anas GRUPPO FS ITALIANE

90

Direzione Progettazione e Realizzazione Lavori

Variante S.S.1 Aurelia – Variante in Comune di Massa 1°Lotto (Canal Magro – Stazione).

PROGETTO DEFINITIVO

COD. FI397

PROGETTAZIONE:
RAGGRUPPAMENTO TEMPORANEO PROGETTISTI

MANDATARIA: TECHNITAL

MANDANTI: POLITECNICA BUILDING FOR HUMANS — MATILDI+PARTNERS

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DATA:

IL PROGETTISTA:

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05 – OPERE D'ARTE

Opere d'arte principali – OP.01 Ponte sul Canal Magro

Relazione geotecnica e di calcolo

CODICE PROGETTO			NOME FILE	PROGR. ELAB.	REV.	SCALA:
PROGETTO	LIV. PROG.	N. PROG.	0501_T00OP01STRRE01B	0501		
DPFI10	D	1901	CODICE ELAB. T00OP01STRRE01		B	

REV.	DESCRIZIONE	DATA	SOCIETA'	REDATTO	VERIFICATO	APPROVATO
D						
C						
B	*REVISIONE A SEGUITO DI ISTRUTTORIA ANAS*	*11/2020*	*POLITECNICA*	*M.PALERMO*	*M.MANCONE*	*A.RENSO*
A	*EMISSIONE*	*06/2020*	*POLITECNICA*	*M.PALERMO*	*M.MANCONE*	*A.RENSO*

SOMMARIO

1 PREMESSA

La presente relazione di calcolo ha a oggetto l'analisi strutturale del "Ponte sul Canal Magro" situato alla progressiva di progetto della variante 0+547.95 m.

Il tracciato principale su cui insiste l'opera in esame, presenta una singola carreggiata (categoria C2) di larghezza complessiva fuori tutto pari a 13.50 m.

La piattaforma stradale che insiste sull'opera d'arte è costituita da una carreggiata unica con singola corsia per senso di marcia di 3.50m più banchine laterali di 1.25 m ed in aggiunta è presente, oltre la barriera di sicurezza, un marciapiede per lato di larghezza pari a 2.0 m.

La lunghezza del manufatto è di 25.50 m misurata tra i giunti strutturali.

Si riporta un estratto delle tavole strutturali a cui si rimanda per approfondimenti.

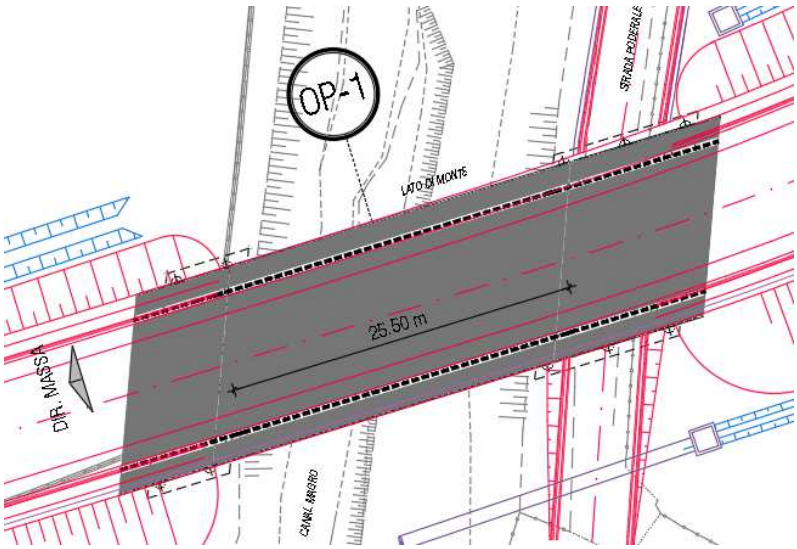


Figura 1 – Ponte sul canal magro – estratto planimetria di inquadramento

1.1 CONCEZIONE STRUTTURALE

L'idea di progetto consiste nella realizzazione di un implacato da ponte a struttura mista, vincolato in semplice appoggio (ponte a trave isostatico) mediante dispositivi fissi ed multidirezionali nella spalla fissa (spalla 1), e con dispositivi multidirezionali ed unidirezionali nella spalla mobile (spalla2). La luce di calcolo dell'impalcato è di 24.80 m.

La disposizione dell'asse principale stradale rispetto all'asse del corso d'acqua forma un angolo acuto: questo ha prodotto l'utilizzo di spalle a paramento inclinato rispetto all'asse stradale e parallelo all'asse del corso d'acqua.

La quota appoggi, diversa sulle due spalle, è tale da posizionare l'impalcato con pendenza longitudinale adeguata a realizzare la livelletta di progetto stradale.

L'impalcato a struttura mista è costituito da 5 travi metalliche a profili saldati di altezza pari a 1300 mm ed una soletta di completamento di spessore pari a 270 mm resa solitale e collaborante con le travi tramite piolatura di connessione costituita da pioli tipo Nelson Φ22 mm.

Le 5 travi sono connesse trasversalmente da 2 traversi di testata del tipo HEB700 e 4 traversi di campata del tipo HEA500.

L'impalcato è poggiato su spalle in calcestruzzo armato costituite da un muro frontale su cui sono presenti i baggioli a cui verranno ancorati i dispositivi di appoggio per le travi. I muri di spalla sono sormontati da paraghiaia di completamento.

La spalla 1(SP1) è costituita da un muro di spessore pari a 1.40 m. La spalla 2 (SP2) è costituita non solo dal muro di spalla di spessore pari a 1.50 m, ma a tergo è posizionato in continuità di getto uno scatolare appositamente progettato (spalla passante) per l'attraversamento della strada poderale presente nel progetto. Lateralmente sono disposti dei muri d'ala di raccordo con il rilevato in terra.

A seguire si riporta la sezione trasversale dell'impalcato. Per ulteriori dettagli si rimanda alle tavole strutturali.

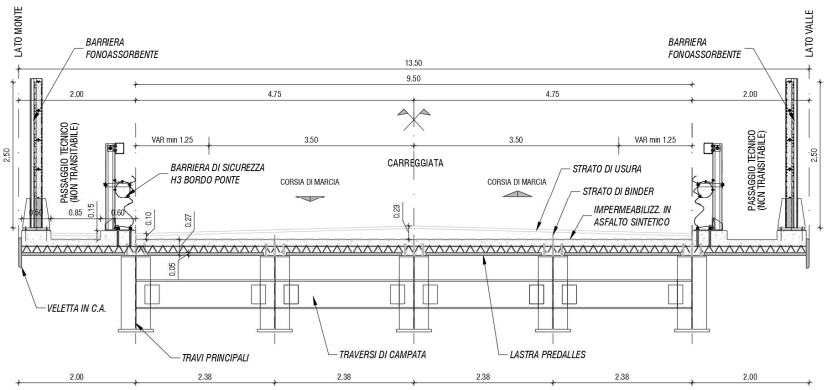


Figura 2– Sezione trasversale di impalcato.

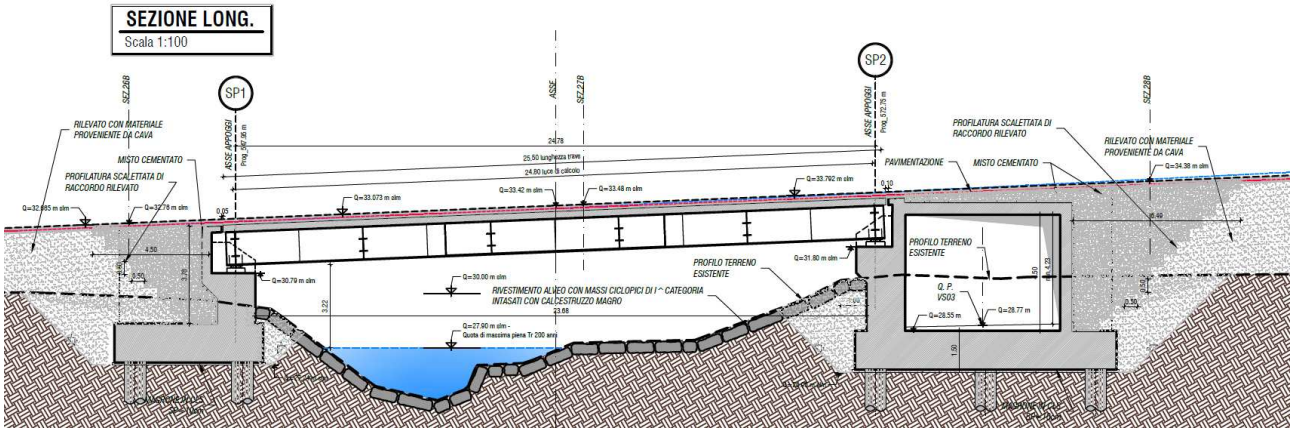


Figura 3 – Profilo longitudinale.

2 NORMATIVA E DOCUMENTI DI RIFERIMENTO

La progettazione, il dimensionamento e le verifiche delle strutture in oggetto, sono stati redatti in ottemperanza al quadro normativo tecnico vigente, con particolare riferimento di cui al D.M. 17 gennaio 2018.

Il metodo di calcolo adottato è quello semiprobabilistico agli stati limite, con applicazione di coefficienti parziali per le azioni o per l'effetto delle azioni, variabili in ragione dello stato limite indagato.

Si riporta di seguito l'elenco delle principali leggi e dei documenti a cui ci si è riferiti per la redazione della progettazione strutturale dell'opera.

2.1 NORMATIVA NAZIONALE

- Legge 5 Novembre 1971 n° 1086 «*Norma per la disciplina delle opere in conglomerato cementizio armato, precompresso e per le strutture metalliche*»;
- D.M. del 17 Gennaio 2018 «*Nuove norme tecniche per le costruzioni*» di seguito denominate NTC.
- Circolare Consiglio Sup. LL.PP. 21 Gennaio 2019 n° 7 «*Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. del 17 Gennaio 2018*».

2.2 EUROCODICI

- UNI EN 1991-1-5:2004 «*Eurocodice 1: Azioni sulle strutture – Parte 1-5: Azioni in generale - Azioni termiche*»;
- UNI EN 1991-2:2005 «*Eurocodice 1: Azioni sulle strutture – Parte 2: Carichi da traffico sui ponti*»;
- UNI EN 1992-2:2006 «*Eurocodice 2: Progettazione delle strutture di calcestruzzo – Parte 2: Ponti di calcestruzzo – Progettazione e dettagli costruttivi*»;
- UNI EN 1993-2:2007 «*Eurocodice 3: Progettazione delle strutture di acciaio – Parte 2: Ponti di acciaio*»;
- UNI EN 1993-1-5:2007 «*Eurocodice 3: Progettazione delle strutture di acciaio – Parte 1-5: Elementi strutturali a lastra*»;
- UNI EN 1994-2:2006 «*Eurocodice 4: Progettazione delle strutture composte acciaio-calcestruzzo – Parte 2: Regole generali e regole per i ponti*»;
- UNI EN 1998-2:2006 «*Eurocodice 8: Progettazione delle strutture per la resistenza sismica – Parte 2: Ponti*».

2.3 SOFTWARE UTILIZZATI

I software utilizzati per i calcoli delle opere in esame sono di seguito indicati:

- Microsoft Excel (fogli di calcolo);
- Software ImpalcatoGraticcioSuite (software ausiliario per le verifiche delle sezioni in acc-cls)
- Software suite Gelfi (software per il calcolo e verifica delle sezioni in c.a. e d acciaio)
- SAP 2000 V. 21 (Software di calcolo agli elementi finiti)

3 MATERIALI

3.1 CONGLOMERATI CEMENTIZI

3.1.1 Conglomerato cementizio magro

- Classe di resistenza: C12/15 ($R_{ck} \geq 15$ N/mm^2)

3.1.2 Conglomerato cementizio per strutture di fondazione e pali

- Classe di resistenza: C25/30 ($R_{ck} \geq 30$ N/mm^2)
  - Resistenza caratt. a compress. cilindrica: (DM 17.01.2018 p.to 11.2.10.1) f_{ck} = 25.0 N/mm^2
  - Resistenza media a trazione semplice: (DM 17.01.2018 p.to 11.2.10.2) f_{ctm} =2.56 N/mm^2
  - Modulo d'elasticità: (DM 17.01.2018 p.to 11.2.10.3) E_{cm} = 31476 N/mm^2
  - Resistenza di calcolo a compressione: (DM 17.01.2018 p.to 4.1.2.1) f_{cd} = 14.16 N/mm^2
  - Resistenza di calcolo a trazione: (DM 17.01.2018 p.to 4.1.2.1) f_{ctd} = 1.19 N/mm^2
  - Tensione massima per cmb. rara: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,rara}$ = 15.0 N/mm^2
  - Tensione massima per cmb. quasi perm.: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,q.perm}$ = 12.25 N/mm^2
  - Classe di esposizione: XC2
  - Copriferro netto minimo (filo esterno armatura più esterna): 40 mm (fond.)/75 mm (pali)

3.1.3 Conglomerato cementizio per strutture in elevazione (Spalle)

- Classe di resistenza: C32/40 ($R_{ck} \geq 40$ N/mm^2)
  - Resistenza caratt. a compress. cilindrica: (DM 17.01.2018 p.to 11.2.10.1) f_{ck} = 32.0 N/mm^2
  - Resistenza media a trazione semplice: (DM 17.01.2018 p.to 11.2.10.2) f_{ctm} =3.02 N/mm^2
  - Modulo d'elasticità: (DM 17.01.2018 p.to 11.2.10.3) E_{cm} = 33346 N/mm^2
  - Resistenza di calcolo a compressione: (DM 17.01.2018 p.to 4.1.2.1) f_{cd} = 18.13 N/mm^2
  - Resistenza di calcolo a trazione: (DM 17.01.2018 p.to 4.1.2.1) f_{ctd} = 1.41 N/mm^2
  - Tensione massima per cmb. rara: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,rara}$ = 19.2 N/mm^2
  - Tensione massima per cmb. quasi perm.: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,q.perm}$ = 14.4 N/mm^2
  - Classe di esposizione: XC4
  - Copriferro netto minimo (filo esterno armatura più esterna): 45 mm

3.1.4 Conglomerato cementizio per soletta di completamento impalcato e cordoli

- Classe di resistenza: C35/45 ($R_{ck} \geq 45$ N/mm^2)
  - Resistenza caratt. a compress. cilindrica: (DM 17.01.2018 p.to 11.2.10.1) $f_{ck} = 35.0$ N/mm^2
  - Resistenza media a trazione semplice: (DM 17.01.2018 p.to 11.2.10.2) $f_{ctm} = 3.21$ N/mm^2
  - Modulo d'elasticità: (DM 17.01.2018 p.to 11.2.10.3) $E_{cm} = 34077$ N/mm^2
  - Resistenza di calcolo a compressione: (DM 17.01.2018 p.to 4.1.2.1) $f_{cd} = 19.83$ N/mm^2
  - Resistenza di calcolo a trazione: (DM 17.01.2018 p.to 4.1.2.1) $f_{ctd} = 1.49$ N/mm^2
  - Tensione massima per cmb. rara: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,rara} = 21.0$ N/mm^2
  - Tensione massima per cmb. quasi perm.: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{c,q.perm} = 15.75$ N/mm^2
- Classe di esposizione: XC4+XD3
- Copriferro netto minimo (filo esterno armatura più esterna): 35 mm

3.2 ACCIAIO PER C.A.

3.2.1 Acciaio per calcestruzzo armato B450C

- Resistenza caratt. di snervamento: (DM 17.01.2018 p.to 11.3.2.1) $f_{yk} = 450.00$ N/mm^2
- Resistenza caratt. di rottura: (DM 17.01.2018 p.to 11.3.2.1) $f_{tk} = 540.00$ N/mm^2
- Resistenza di calcolo: (DM 17.01.2018 p.to 4.1.2.1) $f_{yd} = 391.30$ N/mm^2
- Tensione massima per cmb. rara: (DM 17.01.2018 p.to 4.1.2.2.5) $\sigma_{s,rara} = 360.00$ N/mm^2

3.3 ACCIAIO PER CARPENTERIE METALLICHE

3.3.1 Elementi saldati in acciaio

- Elementi saldati con sp. ≤ 20 mm S 355 J2
- Elementi saldati con 20 mm ≤ sp. ≤ 40 mm S 355 J2+N
- Elementi saldati con sp. > 40 mm S 355 K2+N
- Elementi non saldati, angolari e piastre sciolte S 355 J0

3.3.2 Bullonature secondo UNI 3740 e UNI EN 20898

- Giunzioni a taglio (categoria A)
- Viti classe 10.9 (UNI 5712)
- Dadi classe 10 (UNI 5713)
- Rosette in acciaio C50 UNI EN 10083-2 (HRC 32-40) (UNI 5714)

3.3.3 Piolature secondo UNI EN ISO 13918

- Pioli tipo Nelson Ø22
- Acciaio ex ST 37-3K (S235J2G3+C450)
- fy = 350 N/mm2
- fu = 450 N/mm2

3.3.4 Saldature

Secondo D.M. 2018 con procedimenti codificati secondo ISO 4063 e prescrizioni della EN 1011 e EN 29692. Controlli secondo la EN 12062.

4 ANALISI STRUTTURALE, CONDIZIONI E COMBINAZIONI DI CARICO

4.1 SOVRASTRUTTURA DI IMPALCATO

4.1.1 Analisi strutturale

Nell'analisi strutturale, le azioni agenti sono analizzate in diverse fasi, corrispondenti al grado di maturazione del getto di calcestruzzo e quindi ai diversi livelli di rigidezza e caratteristiche statiche delle sezioni.

- Fase 0 - Considera il peso proprio della struttura metallica, delle lastre prefabbricate e del getto della soletta che, in questa fase, è ancora meccanicamente non reagente. La sezione resistente corrisponde alla sola parte metallica.

- Fase I - Si considerano i successivi carichi permanenti non strutturali che sono applicati alla struttura (pavimentazione, cordoli, barriere, ecc.) e il ritiro. La sezione resistente per tali azioni è composta dalla parte metallica e dalla soletta in calcestruzzo (quest'ultima messa in conto mediante un coefficiente di omogeneizzazione pari al rapporto dei rispettivi moduli elastici dei materiali). Si considerano in questa fase due istanti di tempo: un istante in cui non si tengono in conto i fenomeni lenti (viscosità e ritiro), mentre il secondo istante tiene conto invece di questi ultimi fenomeni. Il tutto viene organizzato in 3 sotto fasi:
  Fase IA – la sezione resistente è formata dalla trave metallica e dalla soletta al momento dell'indurimento (tempo zero): si adotta un coeff. Di omogeneizzazione pari a n,1a = 6.16.
  Fase IB – la sezione resistente è formata dalla trave metallica e dalla soletta in cui vengono tenuti in conto i fenomeni "lenti" dovuti alla viscosità (punto 5.4.2.2 della EN 1994-2:2005): si adotta un coeff. di omogeneizzazione pari a n,1b = 17.26.
  Fase IC – la sezione resistente è formata dalla trave metallica e dalla soletta in cui vengono tenuti in conto i fenomeni "lenti" dovuti al ritiro del cls: si adotta un coeff. di omogeneizzazione pari a n,1c = 16.49.

- Fase II - Corrisponde all'applicazione delle azioni variabili da traffico e delle altre azioni variabili di breve durata (termica, vento, ecc.). Le sollecitazioni nella sezione resistente acciaio-calcestruzzo sono calcolate considerando un rapporto tra i moduli elastici istantanei dei due materiali. Particolare attenzione viene rivolta alla determinazione delle configurazioni di carico che massimizzano le sollecitazioni flettenti e taglianti nelle singole sezioni. In tale fase si considerano gli effettivi dovuti ad una variazione termica differenziale fra acciaio e calcestruzzo. La sezione resistente è composta dalla parte metallica e dalla soletta in calcestruzzo, messa in conto mediante un coefficiente di omogeneizzazione n = 6.16.

Essendo l'analisi strutturale di tipo elastico, i risultati in termini di sollecitazione e spostamento saranno determinati da una somma diretta della grandezza considerata in ogni fase. Perciò si avranno le seguenti somme globali:

Istante t=0 – si tengono in conto le seguenti fasi: Fase 0 + Fase 1A + Fase 2

Istante t=inf. – si tengono in conto le seguenti fasi: Fase 0 + Fase 1B + Fase 1C + Fase 2

Si vuol far osservare che l'analisi all'istante t=inf. è più gravosa in termini di sollecitazione e spostamento dell'analisi all'istante t=0.

Le successive verifiche strutturali saranno considerate solo per l'analisi all'istante t=inf.

Per la determinazione delle sollecitazioni di impalcato si è adottata una schematizzazione a graticcio di travi, nella quale le varie membrature sono modellate mediante elementi mono-dimensionali tipo *Beam*. Le caratteristiche statiche delle sezioni delle travi principali, dipendenti dal livello di maturazione del calcestruzzo collaborante, ovvero dalla fase di calcolo di pertinenza, sono state determinate conducendo una omogeneizzazione all'acciaio, perfezionata considerando il pertinente rapporto dei moduli elastici.

Oltre alle travi principali, nel modello sono stati inseriti anche i traversi, costituiti da profili metallici a sezione prismatica, e gli elementi di impalcato in c.a. opportunamente modellati.

Il modello di calcolo adottato è in grado di fornire le caratteristiche di sollecitazione flessionali e taglianti agenti sia sulle travi principali sia sui diaframmi, dovute, queste ultime, all'espletamento della funzione irrigidimento della sezione trasversale e ridistribuzione dei carichi.

I carichi permanenti ed accidentali sono stati inseriti direttamente nei modelli di calcolo adottati, prevedendo opportunamente dei nodi in corrispondenza degli elementi beam di impalcato.

La determinazione dei dati di input da inserire nel modello, quali rigidezze delle travi e carichi, è stata svolta con l'ausilio di un foglio di calcolo.

L'analisi FEM è condotta attraverso il programma di analisi strutturale SAP2000 (v 21).

Il ponte viene modellato per ciascuna fase descritta e per ogni fase viene inserita la rigidezza flessionale relativa: nella modellazione vengono disposti 5 sotto-modelli distinti ciascuno relativo ad ogni fase. A seguire si riporta un'immagine della modellazione cosi compiuta. Tutti i sotto-modelli poggiano su una sottostruttura rigida che schematizza e modella il muro di spalla.

Per le travi metalliche si è modellato anche la suddivisione in conci strutturali, come previsti nel progetto strutturale relativo alle carpenterie metalliche.

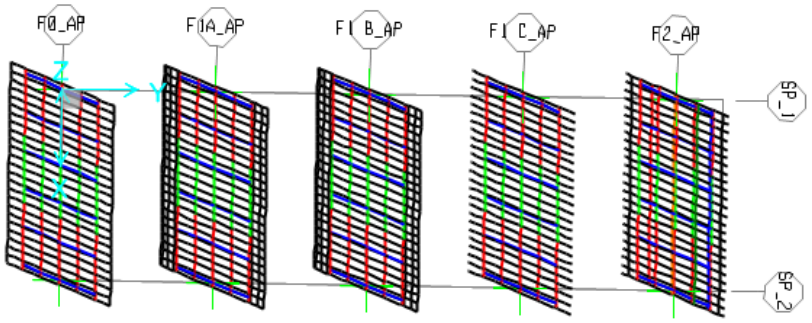


Figura 4 – Modellazione delle fasi

Per quanto concerne l'azione del vento sulla struttura, è stata analizzata assegnando alle travi di riva del modello una distribuzione di forze orizzontali eccentriche. Si sono invece trascurati gli effetti flessionali del vento nel piano forte della soletta di impalcato data la grande rigidezza flessionale in tale piano.

Per quanto riguarda l'azione sismica sia orizzontale che verticale, si sono assunte le masse poste in

corrispondenza del baricentro della in acciaio. Il modello di calcolo impiegato per la valutazione delle azioni sismiche è quello composto dai sotto-modelli relativi alla Fase 0 e Fase 1A al quale sono stati applicati i carichi sia della FASE 0 che della FASE 1A.

4.2 STRUTTURE IN ELEVAZIONE - SPALLE

4.2.1 Analisi strutturale

L'analisi strutturale della parte d'opera in oggetto ha preso in considerazione i carichi permanenti e variabili previsti dalla normativa applicata. Sono stati valutati gli stati sollecitativi di tutti gli elementi strutturali delle spalle di cui in allegato si riportano i dettagli di verifica.

Nella presente relazione, per brevità di esposizione, si riportano le risultanze delle sezioni più sollecitate quali lo spiccato delle strutture in elevazione (muro frontale, paraghiaia e muri di risvolto), nonché le azioni a quota appoggi ed a quota testa palificata per il dimensionamento degli apparecchi di appoggio e delle fondazioni profonde.

La spalla assunta sede di vincolamento longitudinale fisso dell'impalcato è la SP1, con altezza del muro frontale di circa 2.10 m; la spalla mobile SP2 invece presenta un muro frontale di altezza pari a 3.30 m .

Nella presente relazione si illustrano le calcolazioni condotte su entrambe le spalle.

Il modello strutturale che viene preso in considerazione è composto da elementi di tipo shell a cui verranno applicati i carichi per mezzo di azioni di pressioni.

4.2.2 Tipologia di analisi condotta ai fini sismici

Le sottostrutture dell'opera sono costituite unicamente dalle due spalle.

Si tratta si strutture tozze, caratterizzate da periodi di vibrazione in direzione orizzontale molto bassi e che possono essere considerate che si muovano con il suolo. In questo caso le forze di inerzia di progetto possono essere determinate per via statica considerando un'accelerazione pari ad ag*S (D.M. 17.01.2018 p.to 7.9.5.4.2).

L'analisi sismica della struttura verrà condotta con metodo pseudo-statico in cui le azioni sismiche sono intese come azioni statiche equivalenti.

La determinazione delle sollecitazioni e le conseguenti verifiche verranno condotte con il metodo semiprobabilistico agli stati limite.

4.3 CARICHI DI PROGETTO SU IMPALCATO

4.3.1 Criteri per la valutazione delle azioni sulla struttura

- Azioni permanenti – Le azioni permanenti sono costituiti dai pesi propri delle strutture portanti e delle sovrastrutture. Essi sono valutati sulla base di volumi e/o aree di influenza in modo da avere carichi lineari o di area da applicare al modello strutturale
- Azioni variabili da traffico – Sono definite al p.to 5.1.3.3 del D.M. 17.01.2018 e sono state posizionate in modo da produrre gli effetti più sfavorevoli ai fini del dimensionamento delle membrature dell'impalcato (travi, soletta, traversi) e delle sottostrutture (apparecchi di appoggio, elevazioni e fondazioni). Verranno considerate anche, in quanto di pertinenza, l'azione longitudinale di frenamento o di accelerazione (p.to 5.1.3.5). In prossimità di discontinuità strutturali verrà altresì considerato l'incremento dinamico addizionale (p.to 5.1.3.4).
- Azioni di neve, vento – Vengono considerate secondo quanto prescritto al p.to 5.1.3.7. del D.M. 17.01.2018. La loro valutazione avviene rispettivamente secondo quanto specificato ai p.ti 3.3 e 3.4. Secondo quanto previsto da normativa l'azione della neve per i ponti scoperti non è mai concomitante ai carichi variabili da traffico, quindi non risulta mai dimensionante
- Azioni sismiche – Vengono considerate secondo quanto prescritto al p.to 5.1.3.12. del D.M. 17.01.2018. La loro valutazione avviene secondo quanto specificato al p.to 3.2.
- Altre azioni variabili – Includono resistenze passive dei vincoli, azioni sui parapetti, urti ed azioni idrauliche (p.ti da 5.1.3.8. a 5.1.3.11. del D.M. 17.01.2018).

Tali azioni saranno combinate secondo le prescrizioni delle normative vigenti in funzione delle particolari strutture dell'opera in esame.

4.3.2 Azioni permanenti

Secondo il p.to 5.1.3.1. del D.M. 17.01.2018, comprendono

- g_1 peso proprio degli elementi strutturali e non strutturali;
- g_2 carichi permanenti portati (pavimentazione stradale, marciapiedi, sicurvia, parapetti, attrezzature stradali, rinfranchi e simili);
- g_3 altre azioni permanenti (spinta terre, spinte idrauliche, ecc…).

I pesi specifici e le caratteristiche geo-meccaniche delle terre, in quanto di pertinenza, assunti per la determinazione delle azioni permanenti risultano:

- Peso specifico acciaio 78.50 kN/m^3
- Peso specifico calcestruzzo 25.00 kN/m^3
- Peso specifico binder + manto di usura 24.00 kN/m^3
- Peso specifico terreno 20.00 kN/m^3
- Angolo di resistenza a taglio 38°

I carichi permanenti non strutturali applicati al modello di calcolo sono sinteticamente riportati nella tabella seguente:

CARICHI PERMANENTI NON STRUTTURALI	
Pavimentazione stradale	4.0 kN/m^2
Pavimentazione marciapiede	2.4 kN/m^2
Cordolo sicurvia	0.9 kN/m^2
Barriera stradale	1.5 kN/m
Barriera acustica (h=2.60m)	2.0 kN/m^2

4.3.3 Deformazioni impresse

Secondo il p.to 5.1.3.2. del D.M. 17.01.2018, comprendono

- ε_1 distorsioni e presollecitazioni di progetto;
- ε_2 ritiro e viscosità del calcestruzzo;
- ε_3 variazioni termiche;
- ε_4 cedimenti vincolari.

I fenomeni connessi a ritiro e viscosità sono stati valutati secondo quanto prescritto rispettivamente ai p.ti 11.2.10.6 e 11.2.10.7 del D.M. 17.01.2018.

Per quanto riguarda le distorsioni e presollecitazioni non vengono prese in considerazione in quanto non si tratta una struttura presollecitata.

Per quanto riguarda i cedimenti, essendo l'impalcato isostatico non producono effetti aggiuntivi dal punto di vista sollecitativo.

4.3.4 Azioni variabili da traffico

Essendo l'opera in oggetto un ponte carrabile, le azioni variabili da traffico sono rappresentate da:

q_1 carichi mobili, comprensivi degli effetti dinamici, definiti dai seguenti schemi di carico (p.to 5.1.3.3):

- schema di carico 1 (verifiche globali e locali):
  - $Q_{1.1.1}$ passaggio del carico mobile su due assi da 300 KN in tandem sulla corsia 1;
  - $q_{1.1.1}$ carico da 9,0 kN/m^2 uniformemente distribuito sulla corsia 1;
  - $Q_{1.1.2}$ passaggio del carico mobile su due assi da 200 KN in tandem sulla corsia 2;
  - $q_{1.1.2}$ carico da 2,5 kN/m^2 uniformemente distribuito sulla corsia 2;
  - $Q_{1.1.3}$ passaggio del carico mobile su due assi da 100 KN in tandem sulla corsia 3;
  - $q_{1.1.3}$ carico da 2,5 kN/m^2 uniformemente distribuito sulla corsia 3;
  - $q_{1.1.R}$ carico da 2,5 kN/m^2 uniformemente distribuito sull'area rimanente;
- schema di carico 2 (verifiche locali):
  - $Q_{1.2}$ passaggio del carico mobile su un asse da 400 kN;
- schema di carico 3 (verifiche locali):

$Q_{1.3}$ carico isolato da 150 kN sui marciapiedi non proptetti da sicurvia;

- schema di carico 4 (verifiche locali):
  - $Q_{1.4}$ carico isolato da 10 kN sui marciapiedi su marciapiedi proptetti da sicurvia;
- schema di carico 5:
  - $Q_{1.4.1}$ carico della folla compatta di 5,0 kN/m^2 se non combinato;
  - $Q_{1.4.2}$ carico della folla compatta di 2,5 kN/m^2 se combinato;

q_3 azioni longitudinali di frenamento o di accelerazione (p.to 5.1.3.5);

La disposizione e la numerazione delle corsie viene determinata in modo da indurre le più sfavorevoli condizioni di progetto. Per ogni singola verifica il numero di corsie da considerare caricate, la loro disposizione sulla carreggiata e la loro numerazione vengono scelte in modo che gli effetti della disposizione dei carichi risultino i più sfavorevoli.

La corsia che, caricata, dà l'effetto più sfavorevole è numerata come Corsia 1; la corsia che dà il successivo effetto più sfavorevole è numerata come Corsia 2, ecc.

Per quanto riguarda la disposizione trasversale dei carichi, le condizioni analizzate sono rappresentata nelle immagini seguenti:

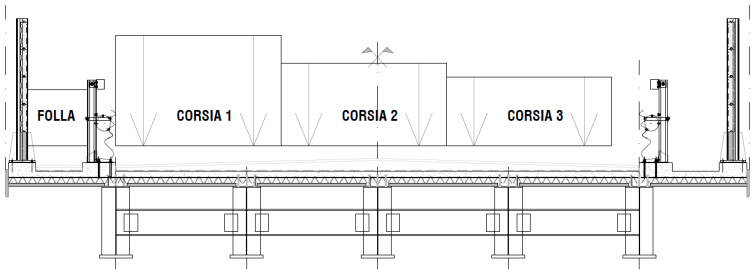


Figura 5 – Disposizione dei carichi da traffico 1: massima flessione sull'impalcato (carichi eccentrici).

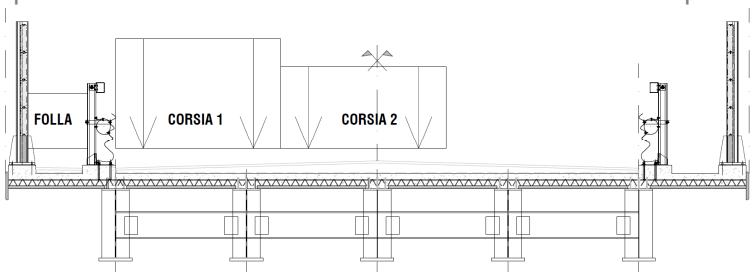


Figura 6 – Disposizione dei carichi da traffico 2: massima torsione sull'impalcato.

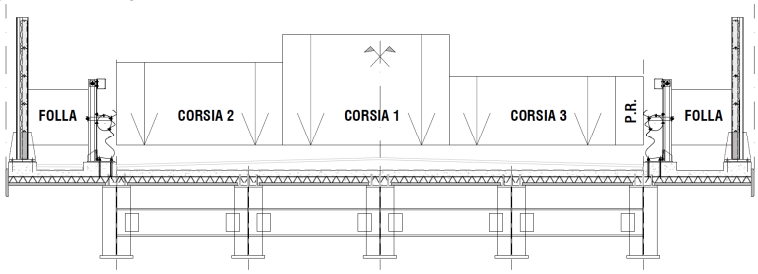


Figura 7 – Disposizione dei carichi da traffico 3: massima flessione sull'impalcato (carichi centrati).

Si dimostra di seguito la configurazione di carico più gravosa per il dimensionamento delle travi principali, sia per il momento flettente che per il taglio.

I diagrammi sottostanti riportano i valori massimi del momento in e del taglio agli per le tre configurazioni di carico di cui sopra, per le cinque travi (interasse 2.38 m) che compongono l'impalcato. Data la simmetria della sezione trasversale non sono necessari specifici riferimenti alle singole travi.

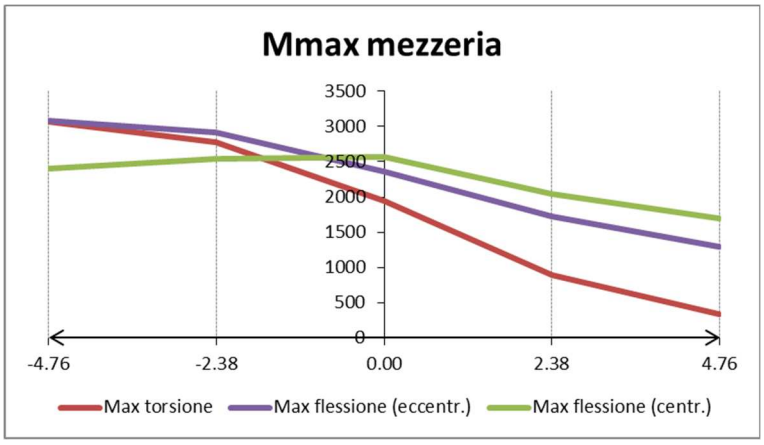


Figura 8 – Andamento del momento in mezzeria.

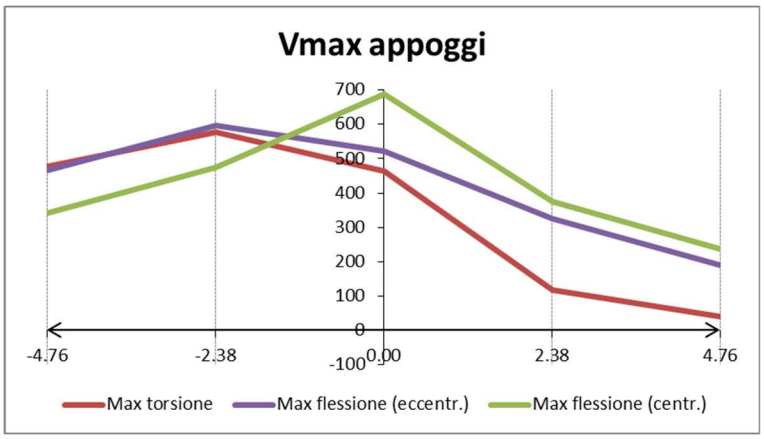


Figura 9 – Andamento del taglio agli appoggi.

Dalle figure soprariportate si evince che la configurazione che massimizza il momento flettente delle travi in mezzeria è la disposizione 1, mentre quella che massimizza il taglio nelle sezioni di appoggio è la disposizione 3.

I traversi di campata sono disposti come riportato nella figura di cui sotto. In particolare, non sono in contatto con la soletta in c.a., per cui risultano sollecitati solo in corrispondenza delle travi.

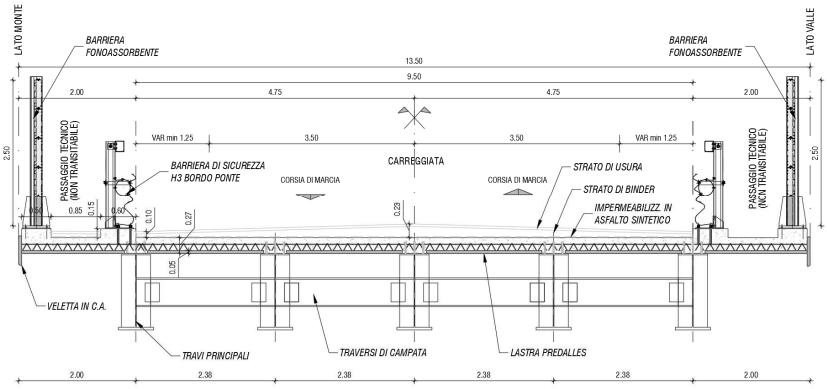


Figura 10 – Sezione trasversale su traverso di campata.

Nello studio delle sollecitazioni si schematizza il traverso come trave rigida su cinque molle elastiche, che rappresentano le cinque travi di impalcato. La schematizzazione in questione consente di utilizzare le linee di influenza per la determinazione della disposizione trasversale dei carichi viaggianti che massimizzano la sollecitazione cercata. Data l'ipotesi di trave rigida e molle elastiche di eguale rigidezza le linee di influenza per il momento e per il taglio sono ricavabili da considerazioni di equilibrio.

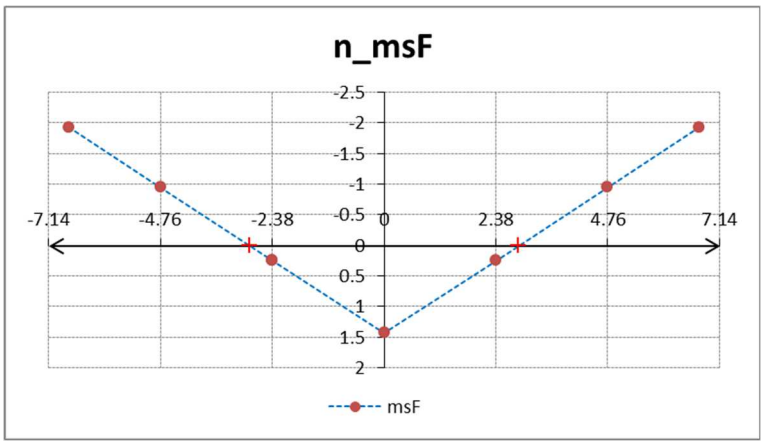


Figura 11 – Linea di influenza del momento flettente sui traversi di campata.

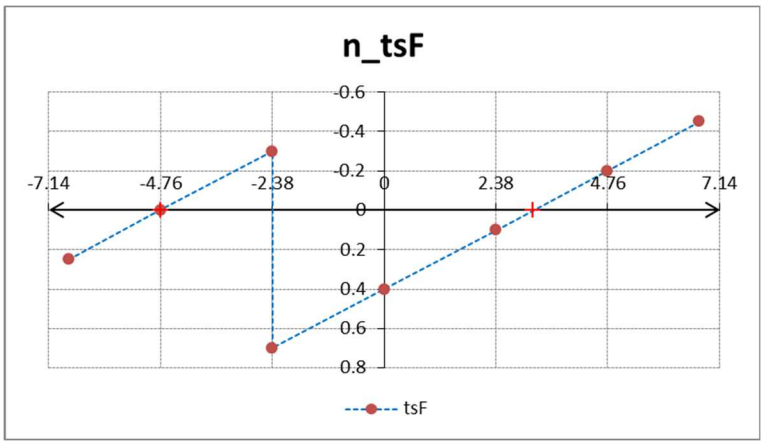


Figura 12 – Linea di influenza del taglio sui traversi di campata.

La disposizione dei carichi viaggainti che massimizza il momento flettente ed il taglio nei traversi di campata è riportata nella figura seguente.

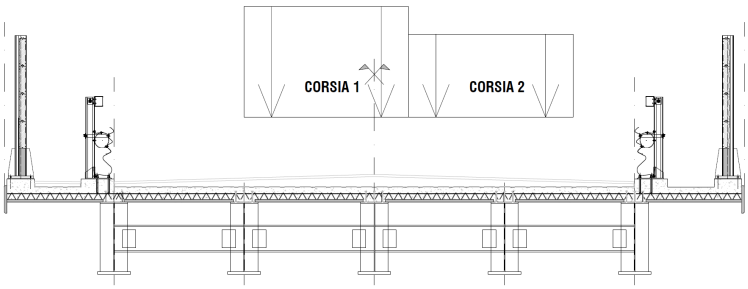


Figura 13 – Disposizione dei carichi variabili da traffico (schema 1): momento flettente e taglio massimi traversi di campata.

4.3.5 Azioni variabili da traffico per fatica

Con riferimento a quanto prescritto dalle NTC 2018, in funzione del limitato carico di traffico previsto per il ponte, si fa riferimento al modello di carico a fatica 1.

4.3.6 Azione longitudinale di frenamento o di accelerazione

Con riferimento a quanto prescritto dalle NTC 2018, la forza di frenamento o di accelerazione q_3 è calcolata come segue:

$$180\ \text{kN} \leq q_3 = 0{,}6\ (2Q_{1k}) + 0{,}10 q_{1k} \cdot w_1 \cdot L \leq 900\ \text{kN} \qquad [5.1.4]$$

Dove:

Q_{1k} = 300 kN, carico concentrato di corsia 1 (schema di carico 1);

q_{1k} = 9 kN/m^2, carico distribuito di corsia 1 (schema di carico1);

w_1 = 3.0 m, larghezza della corsia;

L = 25.5 m, lunghezza della zona caricata.

Quindi:

q_3=430 kN, risultante azione di frenamento o di accelerazione applicata al livello della pavimentazione.

Data la luce di calcolo di 25.50 m, il carico distribuito è pari a q_3=17 kN/m.

Considerando uno spessore medio della pavimentazione pari a 0.23 m e noto lo spessore della soletta di 0.27 m, il braccio della forza orizzontale è pari a 0.50 m; quindi, le azioni applicate al modello di calcolo a livello dell'estradosso della piattabanda superiore delle travi principali sono:

q_q= 17 kN/m, carico distribuito orizzontalo;

q_m= 8.5 kNm/m, momento flettente distribuito.

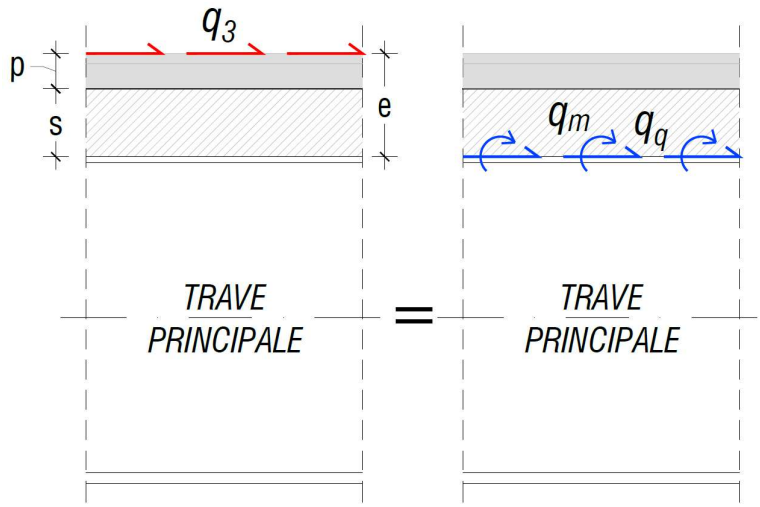


Figura 14 – Schematizzazione azione di frenamento o di accelerazione.

4.3.7 Azione di neve e di vento

Poiché non si tratta di un ponte coperto, ed in quanto non concomitante con i carichi da traffico, l'azione della neve è trascurata.

L'azione del vento, in accordo con il § 5.1.3.7 del D.M. 17.01.2018, è stata assimilata ad un sistema di carichi statici, la cui componente principale è orizzontale e diretta ortogonalmente all'asse del ponte. Tale componente si considera agente sulla proiezione nel piano verticale delle superfici investite (barriere acustiche).

Per la valutazione delle forze di progetto, in accordo con il capitolo 12 del D.M. 17.01.2018, si è fatto riferimento alla norma EN 1991-1-4:2005.

PRESSIONE DEL VENTO	**NTC 2018**		
CARATTERISTICHE GEOGRAFICHE			
Comune		Massa	
Altitudine (slm)	a_s	70	m
Zona		3	(Toscana)
Classe rugosità terreno		C	
Categoria di esposizione		II	
PRESSIONE DEL VENTO			
Velocità base di riferimento quota 0		27	m/s
	a_0	500	m
	k_s	0.37	1/s
	c_a	1.0	
Velocità base di riferimento	V_b	27	m/s
Periodo di ritorno	T_R	100	anni
Coefficiente di ritorno	c_r	1.04	-
Velocità di riferimento	V_r	28.1	-
Pressione cinetica di riferimento	q_r	0.49	kN/m^2
Altezza massima dal suolo	z	8.0	m

	K_r	0.19	-
	z_0	0.05	m
	z_{min}	4.0	m
Coefficiente di esposizione	C_e	2.2	-
Coefficiente topografico	C_t	1.0	-
Coefficiente dinamico	C_d	1.0	
Pressione cinetica di picco	$q_p(z)$	1.1	kN/m^2

FORZE DI PROGETTO	**EN 1991-1-4:2005**		
Forza parallela alla direzione del vento (x)	$f_{w,x} = F_{w,x} / L$	**9.8**	kN/m
Forza perpendicolare alla direzione del vento (z)	$f_{w,z} = F_{w,z} / L$	**13.2**	kN/m
Momento intorno alla linea d'asse	$m_{w,z} = M_{w,x} / L$	**44.6**	kNm/m
Forza in direzione x (parallela alla dir. del vento)	$F_{w,x} = q_r \cdot C_x$	249.7	kN
Forza in direzione z (verticale)	$F_{w,z} = q_r \cdot C_z$	337.3	kN
Momento torcente (attorno asse impalcato)	$M_{w,x} = F_{w,z} \cdot e$	1138.4	kNm
Eccentricità del punto di applicazione di $F_{w,z}$	$e = b/4$	3.4	m
Fattore del carico vento (parallela alla dir. del vento)	$C_x = c_{f,x} \cdot C_e$	2.9	-
Fattore del carico vento (verticale)	$C_z = c_{f,z} \cdot C_e$	2.0	-
Coefficiente di forza x (parallela alla dir. del vento – ponte normale)	$c_{f,x} = +c_{fx,0}$	1.3	-
Coefficiente di forza z (verticale)	$\pm c_{f,z}$	0.9	-
Area di riferimento per combinazioni senza traffico (x)	$A_{ref,x} = d_{tot} \cdot L$	176.5	m^2
Area di riferimento per combinazioni senza traffico (z)	$A_{ref,z} = b \cdot L$	344.3	m^2
Luce del ponte esposta al vento	L	25.5	m
Altezza totale d'ingombro impalcato	$d_{tot} = d+2d_1$	6.9	m
Altezza struttura (travi + soletta + cordolo)	d	1.7	m
Altezza trave principale di bordo	h_t	1.3	m
Spessore soletta	s	0.27	m
Altezza cordolo	h_c	0.15	m
Altezza barriera antirumore	d_1	2.6	m
Larghezza impalcato nella direzione del vento	b	13.5	m

Per la determinazione dell'altezza di ingombro si è fatto riferimento alla seguente tabella ed alla figura sottostante:

BS EN 1991-1-4:2005+A1:2010
EN 1991-1-4:2005+A1:2010 (E)

AC2 Table 8.1 — Depth d_{tot} to be used for $A_{ref,x}$ AC2

Road restraint system	on one side	on both sides
Open parapet or open safety barrier	d + 0,3 m	d + 0,6 m
Solid parapet or solid safety barrier	$d + d_1$	$d + 2d_1$
Open parapet and open safety barrier	d + 0,6 m	d + 1,2 m

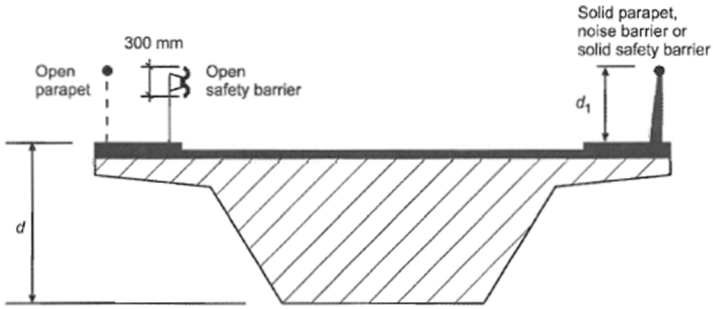


Figure 8.5 — Depth to be used for $A_{ref,x}$

La condizione di carico priva di traffico risulta la più cautelativa in quanto:

- Altezza totale ingombro impalcato (barriere antirumore su entrambe i lati):
  $d_{tot} = d+2d_1 = 6.9$ m (si veda tabella soprariportata);
- Altezza totale ingombro impalcato (traffico):
  $d_{tot} = h_t + s + p + h_v = 1.3 + 0.27 + 0.23 + 3.0 = 4.8 \text{ m} < 6.9 \text{ m}$
  Con: p: spessore della pavimentazione;
  h_v: altezza del veicolo.

Pertanto, quest'ultima condizione non verrà considerata per le successive valutazioni.

4.3.8 Azioni sismiche

4.3.8.1 Parametri di definizione degli spettri di risposta

L'azione sismica viene determinata in ottemperanza a quanto prescritto dal D.M. 17.01.2018, riferimento normativo cui si riferiscono tutti i richiami riportati nel seguito del presente paragrafo, salvo ove diversamente indicato.

Parametri generali

I parametri generali, caratteristici della struttura e dell'ubicazione dell'intervento, atti a definire gli spettri di progetto risultano essere i seguenti:

- Ubicazione: Lat. 44.035443 N, Long. 10.139322 E (WGS84)
- Tipo di Terreno (p.to 3.2.2) — C
- Categoria topografica (p.to 3.2.3.2.1) — T1 (S_T=1.0)
- Vita nominale della costruzione V_N (p.to 2.4.1) — 50 anni
- Classe d'uso (p.to 2.4.2) — IV (C_U=2.0)
- Classe di duttilità (p.to 7.2.1) — Bassa
- Smorzamento Viscoso ξ (p.to 3.2.3.2.1) — 0.05

Fattore di comportamento

Il Fattore di comportamento da utilizzare per ciascuna direzione della azione sismica orizzontale, atto a definire gli spettri di progetto per sistemi dissipativi, come avviene per gli Stati Limite Ultimi, per i ponti viene definito al p.to 7.9.2.1.

Per il caso in esame non si considera la struttura di impalcato come dissipativa.

Nel caso in oggetto, le sottostrutture sono rappresentate da spalle connesse, mediante collegamenti flessibili, all'impalcato (p.to 7.9.2.1) e che sostengono un terreno rigido naturale per più dell'80% dell'altezza (p.to

7.9.5.6.2). Si tratta pertanto di *Strutture che si muovono col terreno* ai sensi della Tabella 7.9.I, caratterizzate da periodi di vibrazione in direzione orizzontale molto bassi e per le quali si assume un valore di $\mathbf{q_0=q=1.0}$ (sollecitazione di compressione normalizzata $\sigma_k \leq 0.30$).

Il fattore di comportamento è pertanto pari a $\mathbf{q_0=q=1.0}$ per entrambe le direzioni e rimane tale sia per la struttura di impalcato che per le strutture in elevazione(spalle).

Masse sismiche associate

Gli effetti dell'azione sismica sono valutati tenendo conto delle masse associate ai soli pesi propri e sovraccarichi permanenti, considerando nullo il valore quasi permanente delle masse corrispondenti ai carichi da traffico.

l'opera in oggetto non rientra fra i ponti in zona urbana di intenso traffico, quindi non si considera il contributo previsto da norma per tali strutture ai fini del calcolo delle masse sismiche, come prescritto al p.to 5.1.3.12.

Spettri di progetto

Ai sensi del p.to 7.2.2, ed in considerazione della presenza di elementi precompressi e/o di luce superiore a 20 m, viene considerata la componente verticale del sisma.

In considerazione di quanto detto, gli spettri di progetto significativi ai fini della determinazione dell'azione sismica risultano:

- Spettro di risposta di progetto in accelerazione delle componenti orizzontali e verticali allo Stato Limite di salvaguardia della Vita
- Spettro di risposta di progetto in accelerazione delle componenti orizzontali allo Stato Limite di Danno
- Spettro di risposta di progetto in accelerazione delle componenti orizzontali allo Stato Limite di Operatività

Utilizzando i parametri generali precedentemente definiti, gli spettri di risposta vengono definiti secondo quanto esposto ai p.ti 3.2.3.2.1, 3.2.3.2.2 e 3.2.3.5.

4.3.8.2 Spettri di risposta di progetto

Gli spettri di risposta sono definiti sulla base dei parametri di sismicità propri del luogo di ubicazione, delle categorie topografiche e stratigrafiche del terreno, nonché delle caratteristiche di duttilità del manufatto di progetto (da cui il Fattore di comportamento). I parametri di sismicità del luogo risultano:

STATO LIMITE	V_N [anni]	Cu	V_R [anni]	T_R [anni]	a_g [g]	F_0	T_C*
SLO	50	2	100	60	0.062	2.503	0.257
SLD	50	2	100	101	0.075	2.504	0.27
SLV	50	2	100	949	0.175	2.375	0.299
SLC	50	2	100	1950	0.219	2.387	0.312

Da cui si ottengono gli spettri di risposta in termini di accelerazione orizzontale nelle due direzioni orizzontale e verticale.

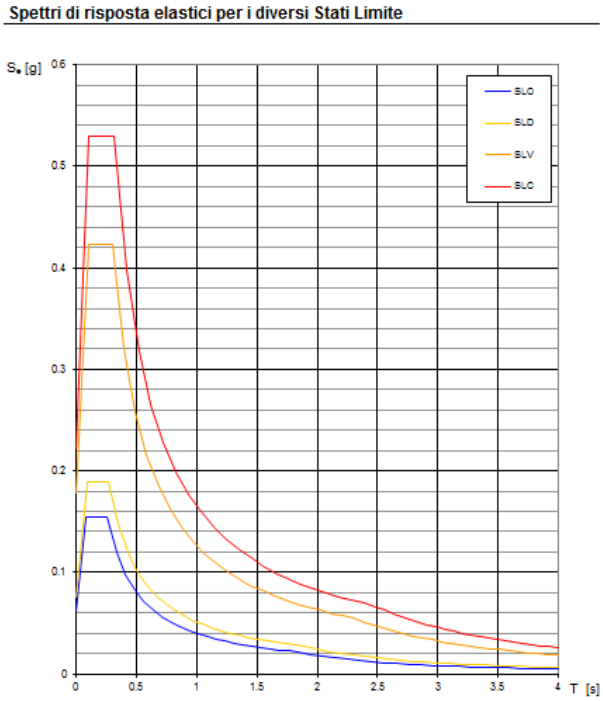


Figura 15 – Spettri sismici orizzontali per ogni stato limite

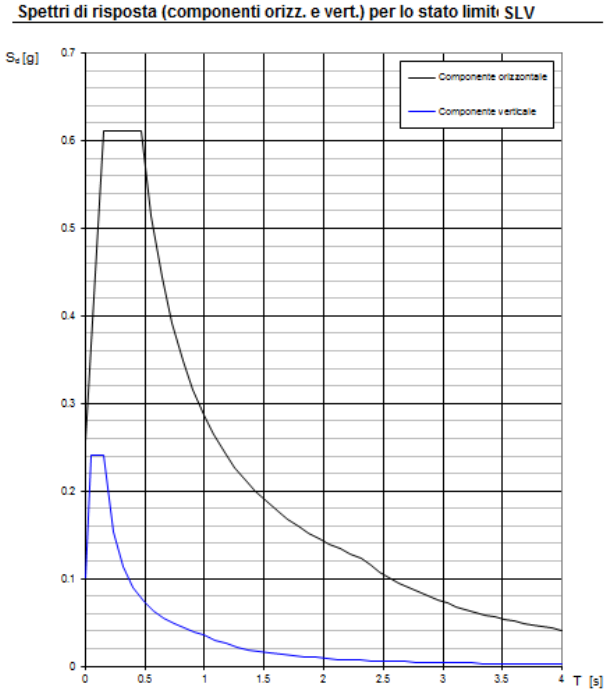


Figura 16 – Spettro sismico di progetto orizzontale e verticale

4.3.9 Azioni termiche

Le variazioni termiche sono state valutate sia in termini di gradiente termico differenziale acciaio-cls (analisi dell'impalcato) che in termini di variazioni assolute (analisi delle sottostrutture).

La variazione termica uniforme è stata calcolata facendo riferimento sia alle NTC 2018 che a Eurocodice 1991-1-5 – paragrafo 6.1.3.

Le NTC 2018, al paragrafo 3.5.2, forniscono range di temperatura funzione della zona e della quota slm:

Zona della temperatura dell'aria esterna	Zona	II		(Toscana)
Altitudine slm	a_s	70	m	(Massa)
Temperatura massima aria esterna (T_R=50 anni)	T_{max}	41.9	°C	[3.5.4]
Temperatura minima aria esterna (T_R=50 anni)	T_{min}	-8.4	°C	[3.5.3]

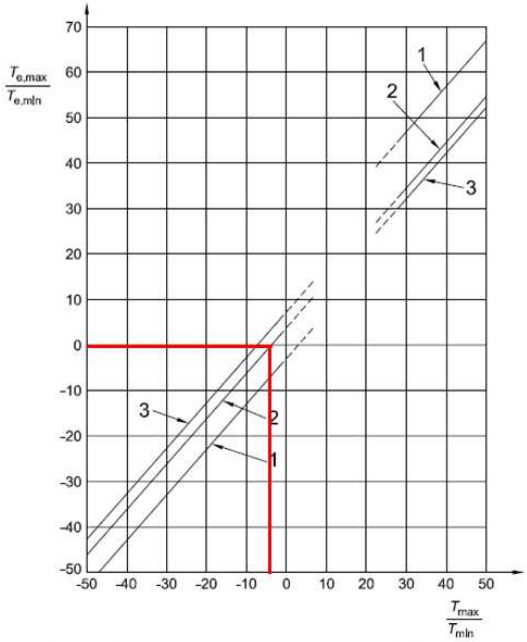
Coerentemente con l'ipotesi di tempi di ritorno pari a 100 anni per vento e sisma, si chiede anche per le variazioni termiche, l'aggiornamento dei valori di Tmin e Tmax (i valori di riferimento da NTC 2018 sono previsti per un tempo di ritorno pari a 50 anni). Prendendo a riferimento l'Appendice A dell'EC 1991-1-5 si ottengono i seguenti valori:

Periodo di ritorno di progetto	T_R	100	anni
Temperatura massima aria esterna (TR=50 anni)	T_{max}	41.9	°C
Temperatura minima aria esterna (TR=50 anni)	T_{min}	-8.4	°C
Temperatura massima aria esterna (TR di progetto)	$T_{max,p}$	43.5	°C
Temperatura minima aria esterna (TR di progetto)	$T_{min,p}$	-9.4	°C
Coefficiente UNI EN 1991-1-5 A.2	k_1	0.781	-
Coefficiente UNI EN 1991-1-5 A.2	k_2	0.056	-
Coefficiente UNI EN 1991-1-5 A.2	k_3	0.393	-
Coefficiente UNI EN 1991-1-5 A.2	k_4	-0.156	-
Probabilità annua di progetto	p	0.01	1/anni

Ai valori definiti secondo Eurocodice corrispondono, per ponti di gruppo 2 (tipologia impalcato a struttura composta), i seguenti valori riferiti alla struttura attraverso la correlazione tra i valori minimi e massimi dell'aria e quelli della temperatura uniforme dell'impalcato:

figura 6.1 **Correlazione tra temperatura dell'aria all'ombra minima/massima (T_{min}/ T_{max}) e componente di temperatura uniforme del ponte minima/massima ($T_{e,min}$/ $T_{e,max}$)**

Legenda
1 Tipo 1
2 Tipo 2
3 Tipo 3



Nota 1 I valori in figura 6.1 sono basati su un'escursione di temperatura giornaliera di 10 °C. Una tale escursione può essere considerata appropriata per la maggior parte degli Stati Membri.

Nota 2 Per travi di acciaio reticolari e a parete piena il valore massimo dato per il tipo 1 può essere ridotto di 3 °C.

Temperatura massima uniforme del ponte	$T_{e,max}$	43.5	°C
Temperatura minima uniforme del ponte	$T_{e,min}$	-9.4	°C
Valore da grafico EC1-5 (fig.6.1)		0	°C

Fissando T_0 = 15°C, dedotto dalla normativa NTC2018 ed in linea con le temperature riscontrabili per la zona oggetto di intervento, si ottiene l'escursione termica effettiva subita dall'impalcato:

Variazione termica (massima espansione)	$\Delta T_{N,esp}$	28.5	°C
Variazione termica (massima contrazione)	$\Delta T_{N,contr}$	-24.4	°C
Intervallo complessivo temperatura uniforme	ΔT_N	52.8	°C

L'azione termica di variazione assoluta considerata vale, a favore di sicurezza, ±30 °C .

L'azione termica differenziale, secondo quanto previsto al prospetto 6.1 (approccio 1) della EN 1991-1-5, è assunta pari a +15 °C e -18 °C.

4.3.10 Effetti dovuti al ritiro

Determinazione dei parametri di ritiro

I parametri relativi alla deformazione assiale per ritiro del calcestruzzo, come indicato dalle D.M. 17/01/2018 al paragrafo 11.2.10.3, possono essere valutati sulla base delle seguenti indicazioni:

Area sez. soletta	Ac [mm^2]	3378000

Perimetro a contatto con atmosfera	u [mm]	14720
Distanza fittizia $h_0 = 2\ Ac/u$	h_0 [mm]	459
Modulo elastico calcestruzzo	E_{cm} [N/mm^2]	34077
Modulo elastico acciaio	E_s [N/mm^2]	210000

Si precisa che:

- Nel computo di Ac non sono state considerate le lastre prefabbricate;
- Il perimetro u, a contatto con l'atmosfera, comprende la sola superficie superiore, essendo la parte inferiore del getto protetta dalle lastre.

Effetti reologici

Tempo e ambiente

$t_s = 1$ gg — Età del calcestruzzo in giorni, all'inizio del ritiro per essiccamento.

$t_o = 28$ gg — Età del calcestruzzo in giorni al momento dell'applicazione dei carichi permanenti.

$t_o = 1$ gg — Età del calcestruzzo in giorni al momento dell'applicazione del ritiro.

$t = V_N = 100$ anni $= 36525$ gg — Età del calcestruzzo in giorni.

RH = 70 % — Umidità ambientale relativa, in percentuale.

Modulo elastico al tempo t

Il fenomeno della viscosità ha come effetto l'aumento delle deformazioni nel tempo provocate da un carico mantenuto costante per un lungo periodo. Le deformazioni viscose si manifestano peraltro senza modificare lo stato di sollecitazione. Il fenomeno della viscosità viene assimilato ad una diminuzione fittizia del modulo elastico del calcestruzzo nel tempo (in realtà le caratteristiche meccaniche del calcestruzzo migliorano nel tempo per cui il modulo di elasticità inteso come rapporto sollecitazione – deformazione per carico di breve durata aumenta nel tempo). Il modulo elastico passa quindi dal valore iniziale all'istante t_0 di applicazione del carico al valore finale convenzionale al tempo t.

Nell'ipotesi di viscosità lineare cioè di deformazioni viscose (ε_v) proporzionali a quelle elastiche (ε_{el}), all'istante t si ha:

$$\varepsilon_v = \varphi\,(t, t_0) \cdot \varepsilon_{el} \qquad \varepsilon = \sigma/E_{cm}$$

dove $\varphi\,(t, t_0)$ rappresenta la funzione di viscosità o coefficiente di viscosità.

Dopo un certo numero di anni (t giorni), alla deformazione elastica ε_{el} (istantanea) subita dal calcestruzzo si somma quella viscosa:

$$\varepsilon_{tot} = \varepsilon_{el} + \varepsilon_v = \varepsilon_{el} \cdot [1 + \varphi\,(t, t_0)]$$

Le norme UNI ENV 1994-2 introducono un coefficiente moltiplicativo (ψ_L) per la funzione di viscosità φ; detto coefficiente dipende dal tipo di carico applicato. Il modulo elastico del calcestruzzo al tempo t vale:

$$E_{cm}(t, t_0) = \frac{E_{cm}}{1 + \psi_L \cdot \varphi(t, t_0)}$$

prospetto 4.0 **Valori per i moltiplicatori della deformazione viscosa (creep) Ψ_L**

Carichi permanenti comprendenti la presollecitazione mediante tiranti dopo che la connessione a taglio è diventata efficace.	1,10
Effetti isostatici ed iperstatici dovuti al ritiro ed effetti iperstatici dipendenti dal tempo secondo (5).	0,55
Presollecitazione mediante deformazioni imposte (per esempio sollevamento mediante martinetti in corrispondenza degli appoggi).	1,50

Coefficiente di viscosità al tempo "t"

Il coefficiente di viscosità può essere calcolato con la relazione (UNI EN 1992-1-1 Appendice B):

Analisi viscosità:

età cls al momento considerato	t [anni]	100
età del cls al momento del carico	t_0 [gg]	28
umidità ambientale relativa	RH [%]	70
coeff. (resistenza del cls)	α_1	0.866
coeff. (resistenza del cls)	α_2	0.960
coeff. (resistenza del cls)	α_3	0.902
coeff. (RH e h_0)	β_H	1353.3
coeff.	$\beta_c(t,t0)$	0.989
coeff.	φ_{RH}	1.323
coeff.	$\beta(f_{cm})$	2.562
coeff.	$\beta(t_0)$	0.488
coeff.	φ_0	1.662
coeff. di viscosità	$\varphi(t,t_0)$	1.643

Moduli di elasticità e coefficienti di omogenizzazione

Considerando un tempo t pari alla vita nominale della struttura ($t=V_{.N.}=100$ anni) ed i valori del coefficiente di viscosità calcolati al punto precedente si ottengono i moduli di elasticità di seguito riportati. Si riportano, inoltre, i coefficienti di omogeneizzazione, definiti come rapporto tra il modulo elastico dell'acciaio (E_s) e quello del calcestruzzo della rispettiva fase.

Per azioni di breve durata si ha:

- PER CARICHI ISTANTANEI – FASI 1A e 2

coeff. di omog. per carichi istantanei	n_0	**6.16**
Mod. elasticità CLS	E [MPa]	**34077**

Per azioni di lunga durata si ha:

- PER CARICHI PERMANENTI – FASE 1B

età cls al momento considerato	t [anni]	100
età del cls al momento del carico	t_0 [gg]	28

coeff.	ψ_P	1.10
coeff. Viscosità per carichi perm. (t=inf)	$\varphi_p(t,t_0)$	1.638
coeff. di omog. per carichi perm. (t=inf)	n_p	**17.26**
Mod. elasticità CLS	E [MPa]	**12164**
- PER RITIRO – FASE 1C		
età cls al momento considerato	t [anni]	100
età del cls al momento del ritiro	t_0 [gg]	1
coeff.	ψ_R	0.55
coeff. Viscosità per ritiro	$\varphi_R(t,t_0)$	3.048
coeff. di omog. per ritiro	n_R	**16.49**
Mod. elasticità CLS	E [MPa]	**12732**

Calcolo della deformazione totale per ritiro

In accordo con la norma UNI EN 1992-1-1:2005 (EC2) la deformazione finale dovuta al ritiro è calcolata come segue:

età cls al momento considerato	t [anni]	100
età del cls al momento del carico	t_0 [gg]	1
coeff.	$\beta_{ds}(t,t_s)$	0.989
coeff.	β_{RH}	1.018
coeff.	α_{ds1}	4
coeff.	α_{ds2}	0.12
deform.	$\varepsilon_{cd,0}$	0.00034
coeff.	k_h	0.70
def. per essicamento	ε_{cd}	0.00024
coeff.	$\beta_{as}(t)$	0.181
deform.	$\varepsilon_{ca}(inf)$	0.0000625
def. per ritiro autogeno	ε_{ca}	1.1329E-05
deformazione da ritiro	ε_{cs}	**0.000248**

L'azione di ritiro del calcestruzzo è valutata sovrapponendo gli effetti dell'azione di trazione sulla soletta che impedisce il ritiro, all'azione di compressione sulla sezione mista. A ritiro impedito si crea uno sforzo di trazione sul calcestruzzo pari a:

$$\sigma_R = \varepsilon_{cs} E_s / n_R$$

Ne consegue che l'azione assiale necessaria a impedire il ritiro della soletta è datata da $N_R = \sigma_R A_C$. Tale azione di compressione applicata all'estremità del ponte, in corrispondenza del baricentro della soletta di calcestruzzo, provoca sollecitazioni di pressoflessione sulla sezione mista, la cui azione assiale è N_R e il

cui momento vale $M_R = N_R(H - 0.5h_P - Z^*_{G,R})$.

Le azioni da ritiro così calcolate sono distribuite uniformemente sulle cinque travi principali che compongono l'impalcato, applicate agli estremi delle travi e di intensità pari a $N_{R,i}$ e $M_{R,i}$ come riportato di seguito.

Calcolo forze statiche equivalenti fase di ritiro ai fini della modellazione

Tensione da ritiro	σ_R [N/mm^2]	3.151
num. Travi impalcato	n_{tr}	5
Altezza soletta	h_p [mm]	270
Altezza Sez. - concio 1 - fase 0	h [mm]	1300
Altezza tot. Sez. concio 1 - fase ritiro	H [mm]	1570
Alt. baricentro - concio 1 - fase 0	Z_G [mm]	588.13
Alt. baricentro - concio 1 - fase ritiro	$Z^*_{G,R}$ [mm]	983.40
Sforzo norm. tot. di traz.	N_R [kN]	10644.05
Sforzo norm. per ogni trave di traz.	$N_{R,i}$ [kN]	2128.81
Flettente da ritiro per ogni trave	$M_{R,i}$ [kNm]	961.38

Tali azioni sono applicate al modello di calcolo tenendo di conto delle effettive eccentricità del punto di applicazione della forza (estradosso della piattabanda superiore, come dimostrato nella figura seguente) $N_{R,i}$. Il momento applicato nel modello è pari a:

$$\Delta M_{R,i} = N_{R,i}\left[\left(H - 0.5h_P - Z^*_{G,R}\right) - (h - Z_G)\right]$$

Alle travi del modello di calcolo sono state applicate le seguenti azioni:

Sforzo norm. per ogni trave di traz.	$N_{R,i}$ [kN]	**2128.81**
Flettente da ritiro per ogni trave	$\Delta M_{R,i}$ [kNm]	**-554.06**

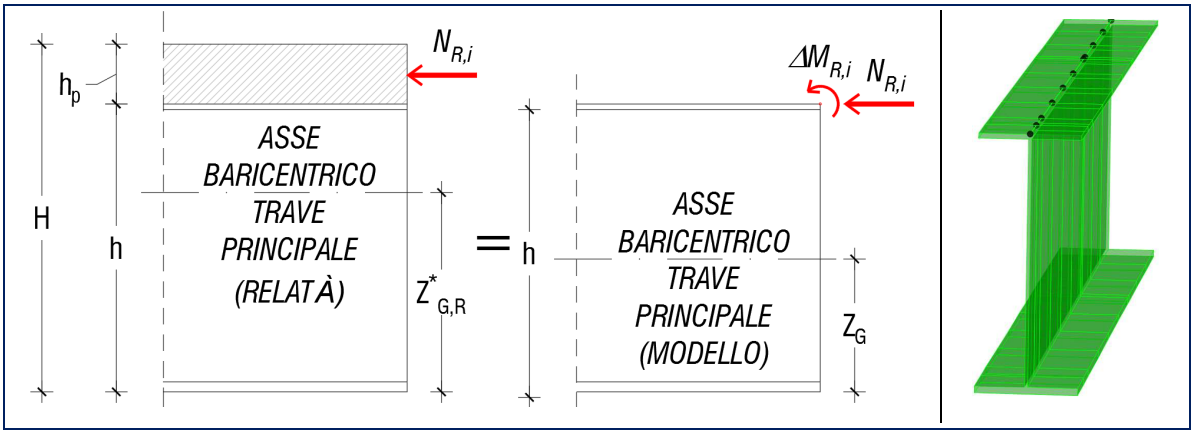


Figura 17– Applicazione delle forze equivalenti (fase di ritiro) al modello di calcolo (sinistra); vista estrusa del concio di trave (destra).

A queste azioni deve essere sommato lo stato tensionale dovuto alla deformazione impedita della soletta $\sigma\Delta_R$ = 3.151 MPa.

4.3.11 Azione dell'urto di veicoli in svio

Come indicato § 5.1.3.10 delle NTC2018, nel progetto dell'impalcato deve essere considerata l'eventualità che si verifichino azioni eccezionali, quali l'urto contro le barriere dei veicoli in transito sul ponte. Per tener conto di ciò, si utilizza una combinazione di carico nella quale al sistema di forze orizzontali, equivalenti all'effetto dell'azione d'urto sulla barriera di sicurezza stradale, si associ un carico verticale isolato sulla sede stradale costituito dallo schema di carico 2, posizionato in aderenza alla barriera stessa e disposto nella posizione più gravosa. Nella presente relazione il carico verticale non viene considerato data la geometria della sezione trasversale.

In accordo con quanto indicato dalla normativa vigente ai § 5.1.3.10 e § 3.6.3.3, per gli elementi connessi al sicurvia si assumono quattro forze orizzontali in corrispondenza dei montanti della barriera, il cui interasse è stabilito in 1.25 m; le due forze applicate ai paletti di estremità della zona considerata sono pari a 50kN e le altre due, applicate ai montanti interni, sono pari a 100kN. Tutte le forze agiscono trasversalmente ad un'altezza di 1.00 m dal piano viabile e sono dirette verso l'esterno dell'impalcato.

Essendo un'azione eccezionale, la forza d'urto del veicolo in svio è da moltiplicare per il coefficiente parziale unitario.

4.3.12 Altre azioni variabili

Non sono state considerate le seguenti azioni variabili:

- q7: resistenze parassite dei vincoli. Lo schema di vincolo adottato non impedisce le deformazioni longitudinali e non provoca sollecitazioni nell'impalcato se non per effetto della resistenza parassita negli appoggi. Le reazioni orizzontali parassite sollecitano l'impalcato a pressoflessione o a tensoflessione, e il momento flettente è direttamente proporzionale alla differenza di quota tra baricentro dei conci di trave (sezione omogenizzata) e quota degli appoggi. Nel caso in oggetto tale distanza è modesta e le reazioni verticali negli appoggi non sono tali da provocare notevoli azioni orizzontali dovute agli attriti. Di conseguenza, tale azione non è stata considerata per la verifica dell'impalcato.
- q9: altre variabili (azioni idrauliche, urto veicolo, urto ghiacci e natanti su pile). Vengono trascurate nell'analisi longitudinale dell'impalcato.

4.4 COMBINAZIONI DI CARICO

4.4.1 Valori caratteristici delle azioni dovute al traffico

Ai fini della determinazione dei valori caratteristici delle azioni dovute al traffico, si sono considerate le combinazioni riportate nella Tabella 5.1.IV (p.to 5.1.3.14) del D.M. 17.01.2018. Ci si è limitato ai Gruppi di azioni significativi per verifiche globali di ponti carrabili.

VALORI CARATTERISTICI DELLE AZIONI DOVUTE AL TRAFFICO	q_{1+2} *Variabili da traffico (Tandem)*	q_{1+2} *Variabili da traffico (Distribuiti)*	q_3 *Frenam. o Acc.*	q_4 *Centrifuga*

Gruppo azioni 1	*1,00*	*1,00*	*0,00*	*0,00*
Gruppo azioni 2a	*0,75*	*0,40*	*1,00*	*0,00*
Gruppo azioni 2b	*0,75*	*0,40*	*0,00*	*1,00*

Si fa notare che il ponte oggetto di studio si trova su un rettifilo, perciò l'azione centrifuga non verrà presa in considerazione perché nulla.

4.4.2 Coefficienti parziali di sicurezza per le combinazioni di carico agli SLU

I coefficienti parziali delle azioni assunti nelle analisi per la determinazione degli effetti delle azioni nelle verifiche agli Stati Limite Ultimi sono quelli riportati nella Tabella 5.1.V (p.to 5.1.3.14) del D.M. 17.01.2018.

COEFFICIENTI PARZIALI DI SICUREZZA PER COMBINAZIONI DI CARICO AGLI SLU		γ ***SLU A1 STR***	γ ***SLU A2 GEO***
g_1 ***e*** g_3 -	*Peso Proprio e Spinta delle terre*	*1,35*	*1,00*
g_2 -	*Pesi permanenti portati*	*1,50*	*1,30*
ε_1 -	*Distorsioni e Presollecitazioni*	*1,00*	*1,00*
ε_{2+3} -	*Ritiro e Viscosità*	*1,20*	*1,00*
ε_4 -	*Cedimenti vincolari*	*1,20*	*1,00*
q_{1+2} -	*Azioni Variabili da traffico*	*1,35*	*1,15*
q_3 -	*Azione long. di Frenam. o di Acc.*	*1,35*	*1,15*
q_4 -	*Azione Centrifuga*	*1,35*	*1,15*
q_5 -	*Azioni di Neve, Vento*	*1,50*	*1,30*
q_6 -	*Azioni Sismiche*	*1,00*	*1,00*
q_7 -	*Variazioni termiche*	*1,50*	*1,30*
q_8 -	*Azioni sui parapetti. Urto veicoli in svio*	*1,00*	*1,00*
q_9 -	*Resistenze passive dei vincoli*	*1,50*	*1,30*

4.4.3 Coefficienti parziali di sicurezza per le combinazioni di carico agli SLE

I coefficienti di combinazione delle azioni variabili assunti nelle analisi per la determinazione degli effetti delle azioni nelle verifiche agli Stati Limite di Esercizio sono quelli riportati nella Tabella 5.1.VI (p.to 5.1.3.14) del D.M. 17.01.2018.

COEFFICIENTI PER LE AZIONI VARIABILI NELLE COMBINAZIONI DI CARICO	ψ_{0i} *Fond. SLU Rare SLE*	ψ_{1i} *Frequente*	ψ_{2i} *Quasi perman.*

ε_1 -	Distorsioni e Presollecitazioni	1,00	1,00	1,00
ε_{2+3} -	Ritiro e Viscosità	1,00	1,00	1,00
ε_4 -	Cedimenti vincolari	0,60	0,60	0,50
$q_{1+2+3+4}$ -	Az. Variabili da traffico (Gr.1 tandem)	0,75	0,75	0,00
$q_{1+2+3+4}$ -	Az. Variabili da traffico (Gr.1 distrib.)	0,40	0,40	0,00
$q_{1+2+3+4}$ -	Az. Variabili da traffico (Gr.2a)	0,00	0,00	0,00
$q_{1+2+3+4}$ -	Az. Variabili da traffico (Gr.2b)	0,00	0,00	0,00
q_5 -	Az. di Neve, Vento (ponte carico)	0,60	0,00	0,00
q_5 -	Az. di Neve, Vento (ponte scarico)	0,60	0,20	0,00
q_7 -	Az. Termica - temperatura	0.60	0.60	0.50
q_8 -	Az. sui parapetti. Urto veicoli in svio	0,00	0,00	0,00
q_9 -	Resistenze passive dei vincoli	1,00	1,00	1,00

4.4.4 Combinazioni di carico statiche SLU A1 STR

Con riferimento ai coefficienti di normativa precedentemente esposti, e posizionando i carichi variabili sempre nella/e configurazione/i più sfavorevole/i per la parte d'opera da dimensionare, i coefficienti adottati per le Combinazioni di carico statiche agli Stati Limite Ultimi strutturali A1 STR risultano:

COMBINAZIONI DI CARICO SLU A1 STR / CONDIZIONI ELEMENTARI		Solo Perman.	Principali Variabili-gr.1	Principali Variabili-gr.2a	Principali Variabili-gr.2b	Principali Vento carico	Principali Vento scarico
g_1 e g_3 -	Peso Proprio e Spinta delle terre	1,35	1,35	1,35	1,35	1,35	1,35
g_2 -	Pesi permanenti portati	1,50	1,50	1,50	1,50	1,50	1,50
$\varepsilon 1$ -	Distorsioni e Presollecitazioni	1,00	1,00	1,00	1,00	1,00	1,00
$\varepsilon 2+3$ -	Ritiro e Viscosità	1,20	1,20	1,20	1,20	1,20	1,20
$\varepsilon 4$ -	Cedimenti vincolari	0,72	0,72	0,72	0,72	0,72	0,72
q1+2 -	Az. Variabili da traffico (tandem)	-	1,35	1,01	1,01	1,01	-
q1+2 -	Az. Variabili da traffico (distrib.)	-	1,35	0,54	0,54	0,54	-
q3 -	Azione long. di Frenam. o di Acc.	-	0,00	1,35	0,00	0,00	-
q4 -	Azione Centrifuga	-	0,00	0,00	1,35	0,00	-
q5 -	Azioni di Neve, Vento (ponte scarico)	-	-	-	-	-	1,50
q5 -	Azioni di Neve, Vento (ponte carico)	-	0,90	0,90	0,90	1,50	-
q6 -	Sisma S.L.V. (dir. Longitudinale)	-	-	-	-	-	-
q6 -	Sisma S.L.V. (dir. Trasversale)	-	-	-	-	-	-

q6 -	*Sisma S.L.V. (dir. Verticale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Longitudinale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Trasversale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Verticale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Longitudinale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Trasversale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Verticale)*	-	-	-	-	-	-
q7 -	*Variazioni Termiche*	-	*0,90*	*0,90*	*0,90*	*0,90*	*0,90*
q8 -	*Az. sui parapetti. Urto veicoli in svio*	-	-	-	-	-	-
q9 -	*Resistenze passive dei vincoli*	-	-	-	-	-	-

4.4.5 Combinazioni di carico statiche SLE rara

Con riferimento ai coefficienti di normativa precedentemente esposti, e posizionando i carichi variabili sempre nella/e configurazione/i più sfavorevole/i per la parte d'opera da dimensionare, i coefficienti adottati per le Combinazioni di carico statiche agli Stati Limite di esercizio SLE RARA risultano:

COMBINAZIONI DI CARICO SLU A2 GEO / ***CONDIZIONI ELEMENTARI***		***Solo Perman.***	***Principali*** *Variabili-gr.1*	***Principali*** *Variabili-gr.2a*	***Principali*** *Variabili-gr.2b*	***Principali*** *Vento carico*	***Principali*** *Vento scarico*
g_1 e g_3 -	*Peso Proprio e Spinta delle terre*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*
g_2 -	*Pesi permanenti portati*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*
ε1 -	*Distorsioni e Presollecitazioni*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*
ε2+3 -	*Ritiro e Viscosità*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*	*1,00*
ε4 -	*Cedimenti vincolari*	*0,60*	*0,60*	*0,60*	*0,60*	*0,60*	*0,60*
q1+2 -	*Az. Variabili da traffico (tandem)*	-	*1,00*	*0,75*	*0,75*	*0,40*	-
q1+2 -	*Az. Variabili da traffico (distrib.)*	-	*1,00*	*0,75*	*0,75*	*0,40*	-
q3 -	*Azione long. di Frenam. o di Acc.*	-	*0,00*	*1,00*	*0,00*	*0,00*	-
q4 -	*Azione Centrifuga*	-	*0,00*	*0,00*	*1,00*	*0,00*	-
q5 -	*Azioni di Neve, Vento (ponte scarico)*	-	-	-	-	-	*1,00*
q5 -	*Azioni di Neve, Vento (ponte carico)*	-	*0,60*	*0,60*	*0,60*	*1,00*	-
q6 -	*Sisma S.L.V. (dir. Longitudinale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.V. (dir. Trasversale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.V. (dir. Verticale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Longitudinale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Trasversale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Verticale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Longitudinale)*	-	-	-	-	-	-

q6 -	*Sisma S.L.O. (dir. Trasversale)*	-	-	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Verticale)*	-	-	-	-	-	-
q7 -	*Variazione termica*	-	*0,60*	*0,60*	*0,60*	*0,60*	*0,60*
q8 -	*Az. sui parapetti. Urto veicoli in svio*	-	-	-	-	-	-
q9 -	*Resistenze passive dei vincoli*	-	-	-	-	-	-

4.4.6 Combinazioni di carico statiche SLE frequente

Con riferimento ai coefficienti di normativa precedentemente esposti, e posizionando i carichi variabili sempre nella/e configurazione/i più sfavorevole/i per la parte d'opera da dimensionare, i coefficienti adottati per le Combinazioni di carico statiche agli Stati Limite di esercizio SLE FREQUENTE risultano:

COMBINAZIONI DI CARICO SLE (FREQUENTI)		***Solo Perman.***	***Principali:***	***Principali:***	***Principali:***
CONDIZIONI ELEMENTARI			*Variabili-gr.1*	*Vento carico*	*Vento scarico*
g_1 e g_3 -	*Peso Proprio e Spinta delle terre*	*1,00*	*1,00*	*1,00*	*1,00*
g_2 -	*Pesi permanenti portati*	*1,00*	*1,00*	*1,00*	*1,00*
ε1 -	*Distorsioni e Presollecitazioni*	*1,00*	*1,00*	*1,00*	*1,00*
ε2+3 -	*Ritiro e Viscosità*	*1,00*	*1,00*	*1,00*	*1,00*
ε4 -	*Cedimenti vincolari*	*0,50*	*0,50*	*0,50*	*0,50*
q1+2 -	*Az. Variabili da traffico (tandem)*	-	*0,75*	*0,00*	-
q1+2 -	*Az. Variabili da traffico (distrib.)*	-	*0,40*	*0,00*	-
q3 -	*Azione long. di Frenam. o di Acc.*	-	*0,00*	*0,00*	-
q4 -	*Azione Centrifuga*	-	*0,00*	*0,00*	-
q5 -	*Azioni di Neve, Vento (ponte scarico)*	-	-	-	*0,20*
q5 -	*Azioni di Neve, Vento (ponte carico)*	-	*0,00*	*0,00*	-
q6 -	*Sisma S.L.V. (dir. Longitudinale)*	-	-	-	-
q6 -	*Sisma S.L.V. (dir. Trasversale)*	-	-	-	-
q6 -	*Sisma S.L.V. (dir. Verticale)*	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Longitudinale)*	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Trasversale)*	-	-	-	-
q6 -	*Sisma S.L.D. (dir. Verticale)*	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Longitudinale)*	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Trasversale)*	-	-	-	-
q6 -	*Sisma S.L.O. (dir. Verticale)*	-	-	-	-
q7 -	*Variazioni termiche*	-	*0,60*	*0,60*	*0,60*
q8 -	*Az. sui parapetti. Urto veicoli in svio*	-	-	-	-
q9 -	*Resistenze passive dei vincoli*	-	-	-	-

4.4.7 Combinazioni di carico statiche SLE quasi permanente

Con riferimento ai coefficienti di normativa precedentemente esposti, e posizionando i carichi variabili sempre nella/e configurazione/i più sfavorevole/i per la parte d'opera da dimensionare, i coefficienti adottati per le Combinazioni di carico statiche agli Stati Limite di esercizio SLE QUASI PERMANENTE risultano:

COMBINAZIONI DI CARICO SLE (QUASI PERMAN.) / CONDIZIONI ELEMENTARI		Solo Perman.	Principali: Variabili- gr.1
g_1 e g_3 -	Peso Proprio e Spinta delle terre	1,00	1,00
g_2 -	Pesi permanenti portati	1,00	1,00
$\varepsilon 1$ -	Distorsioni e Presollecitazioni	1,00	1,00
$\varepsilon 2+3$ -	Ritiro e Viscosità	1,00	1,00
$\varepsilon 4$ -	Cedimenti vincolari	0,50	0,50
q1+2 -	Az. Variabili da traffico (tandem)	-	0,00
q1+2 -	Az. Variabili da traffico (distrib.)	-	0,00
q3 -	Azione long. di Frenam. o di Acc.	-	0,00
q4 -	Azione Centrifuga	-	0,00
q5 -	Azioni di Neve, Vento (ponte scarico)	-	-
q5 -	Azioni di Neve, Vento (ponte carico)	-	0,00
q6 -	Sisma S.L.V. (dir. Longitudinale)	-	-
q6 -	Sisma S.L.V. (dir. Trasversale)	-	-
q6 -	Sisma S.L.V. (dir. Verticale)	-	-
q6 -	Sisma S.L.D. (dir. Longitudinale)	-	-
q6 -	Sisma S.L.D. (dir. Trasversale)	-	-
q6 -	Sisma S.L.D. (dir. Verticale)	-	-
q6 -	Sisma S.L.O. (dir. Longitudinale)	-	-
q6 -	Sisma S.L.O. (dir. Trasversale)	-	-
q6 -	Sisma S.L.O. (dir. Verticale)	-	-
q7 -	Variazione termica	-	0,50
q8 -	Az. sui parapetti. Urto veicoli in svio	-	-
q9 -	Resistenze passive dei vincoli	-	-

4.4.8 Combinazioni di carico sismiche

Con riferimento ai coefficienti di normativa precedentemente esposti, e posizionando i carichi variabili sempre nella/e configurazione/i più sfavorevole/i per la parte d'opera da dimensionare, i coefficienti adottati per le Combinazioni di carico statiche agli Stati Limite SISMICI risultano:

Si ricorda che l'effetto del sisma viene modellato all'interno del modello strutturale tramite gli spettri di risposta di progetto.

Nelle combinazioni di carico la dicitura riferita alla direzione di azione del sisma sta ad indicare:

- L+V direzione principale longitudinale abbinata a sisma verticale.

COMBINAZIONI DI CARICO SISMICHE / CONDIZIONI ELEMENTARI	SLV dir L+V	SLD dir L+V	SLO dir L+V
g_1 e g_3 - Peso Proprio e Spinta delle terre	1,00	1,00	1,00
g_2 - Pesi permanenti portati	1,00	1,00	1,00
ε_1 - Distorsioni e Presollecitazioni	1,00	1,00	1,00
ε_{2+3} - Ritiro e Viscosità	1,00	1,00	1,00
ε_4 - Cedimenti vincolari	0,50	0,50	0,50
q1+2 - Az. Variabili da traffico (tandem)	0,00	0,00	0,00
q1+2 - Az. Variabili da traffico (distrib.)	0,00	0,00	0,00
q3 - Azione long. di Frenam. o di Acc.	-	-	-
q4 - Azione Centrifuga	-	-	-
q5 - Azioni di Neve, Vento (ponte scarico)	-	-	-
q5 - Azioni di Neve, Vento (ponte carico)	-	-	-
q6 - Sisma S.L.V. (dir. Longitudinale)	1,00	-	-
q6 - Sisma S.L.V. (dir. Trasversale)	0,30	-	-
q6 - Sisma S.L.V. (dir. Verticale)	0,30	-	-
q6 - Sisma S.L.D. (dir. Longitudinale)	-	1,00	-
q6 - Sisma S.L.D. (dir. Trasversale)	-	0,30	-
q6 - Sisma S.L.D. (dir. Verticale)	-	0,30	-
q6 - Sisma S.L.O. (dir. Longitudinale)	-	-	1,00
q6 - Sisma S.L.O. (dir. Trasversale)	-	-	0,30
q6 - Sisma S.L.O. (dir. Verticale)	-	-	0,30
q7 - Variazione termica	0,50	0,50	0,50
q8 - Az. sui parapetti. Urto veicoli in svio	-	-	-
q9 - Resistenze passive dei vincoli	-	-	-

5 IMPALCATO – MODELLAZIONE, RISULTATI DELL'ANALISI E VERIFICHE

5.1 MODELLAZIONE

Il ponte in esame è stato studiato modellando gli elementi strutturali (travi principali, traversi, soletta) fino a formare un graticcio di travi.

Per quanto riguarda le travi principali, trattandosi di un sistema in acciaio misto calcestruzzo, è necessario in linea di principio prendere in considerazione sia le differenti fasi di costruzione dell'opera, sia l'evoluzione nel tempo della sua rigidezza a causa degli effetti reologici del calcestruzzo (viscosità).

Per tenere in conto di tutte le fasi esecutive sono stati sviluppati 5 sotto-modelli strutturali ciascuno per ogni fase analizzata, in quanto per ogni fase varia la sezione resistente dell'elemento principale e quindi le caratteristiche inerziali.

Nel progetto strutturale dell'impalcato si prevedono 5 travi in acciaio-cls a sezione aperta di altezza pari a 1300 mm suddivisi in due conci metallici. Tale suddivisione è stata anche presa in considerazione nel modello. Si riporta nell'immagine successiva la visione estrusa del modello strutturale:

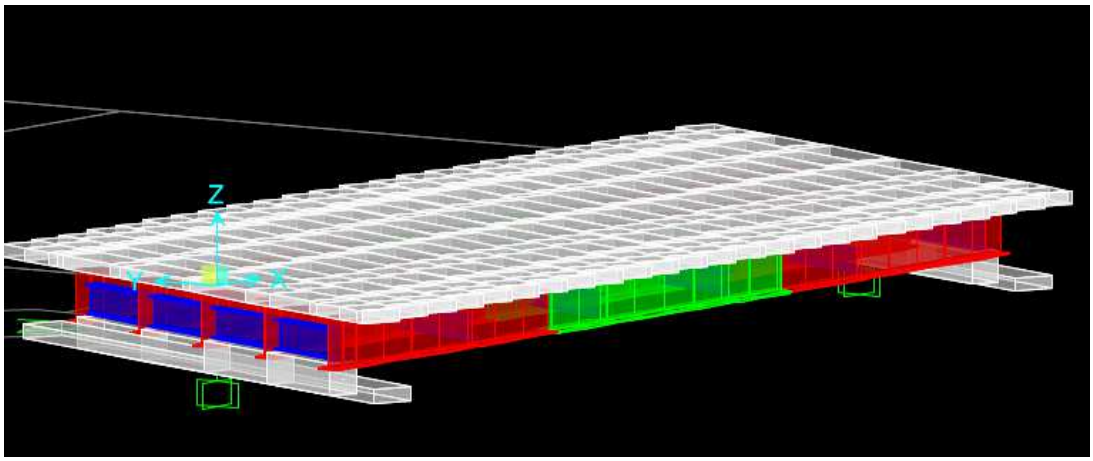


Figura 18 – Modello Strutturale – vista estrusa

Si può osservare in rosso la parte di trave principale caratterizzata dal concio 1, mentre in verde la parte di trave caratterizzata dal concio 2.

In colore blu si possono vedere i traversi che non sono collaboranti con la soletta strutturale in bianco.

L'intero modello è costituito da elementi di tipo "beam".

Al fine di modellare i vincoli imposti di progetto vengono utilizzati elementi "beam" privi di peso che connettono il punto di appoggio con il punto di inserimento della trave principale. Tali elementi vengono connessi ad un altro "beam" rigido flessionalmente che intende modellare il pulvino di spalla.

La modellazione viene affrontata modellando per ogni fase una sezione resistente partendo dalla sola sezione metallica per poi andare ad intervenire sulle caratteristiche inerziali per le sezioni relative ad ogni fase.

Calcolo della larghezza collaborante

La determinazione della larghezza di soletta collaborante con le travi principali da considerarsi nell'analisi della struttura, viene condotta secondo il punto 4.3.2.3 delle NTC 2018.

Nelle travi semplicemente appoggiate L_e è la luce della trave.

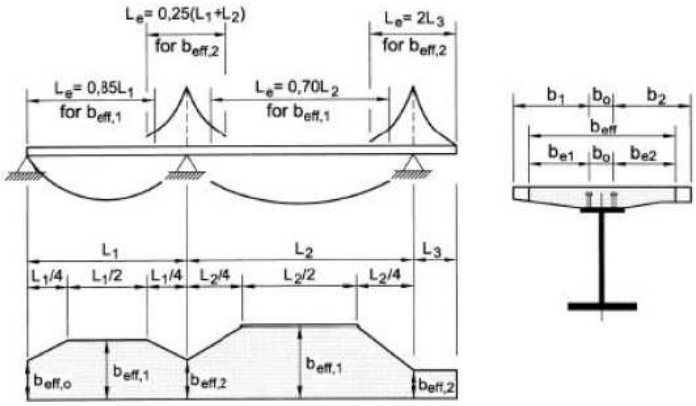
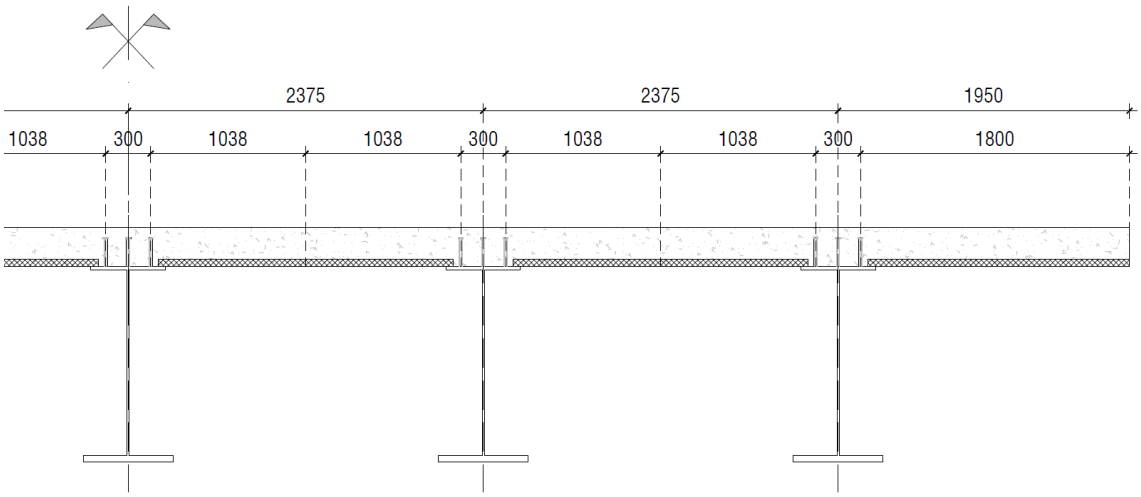


Fig. 4.3.2 - *Larghezza efficace, b_{eff}, e luci equivalenti, L_e, per le travi continue*

Figura 19 – Calcolo Larghezza collaborante



ANALISI LARGHEZZA EFFICACE TRAVE INTERNA		
Interasse minimo tra le travi	i_{min} [mm]	2376
Dist. assi connettori esterni	b_0 [mm]	300

Le larghezze efficaci della soletta per le travi di riva e per le travi centrali delle sezioni di campata sono calcolate come di seguito riportato:

Trave di riva	
B_{eff} [mm]	**3088**
L_e [mm]	24800
$L_e/8$[mm]	3100
b_0 [mm]	300
b_1 [mm]	1750
b_2 [mm]	1038
b_{e1} [mm]	1750
b_{e2} [mm]	1038

Trave centrale	
B_{eff} [mm]	**2376**
L_e [mm]	24800
b_e [mm]	3100
b_0 [mm]	300
b_1 [mm]	1038
b_2 [mm]	1038
b_{e1} [mm]	1038
b_{e2} [mm]	1038

Le larghezze efficaci della soletta per le travi di riva e per le travi centrali per gli appoggi di estremità sono calcolate come di seguito riportato:

Trave riva appoggio	
B_{eff} [mm]	**2921**
L_e [mm]	24800
b_e [mm]	3100
b_0 [mm]	300
b_1 [mm]	1750
b_2 [mm]	1038
b_{e1} [mm]	1750
b_{e2} [mm]	1038
beta1 [-]	0.9
beta2 [-]	1.0

Trave centrale appoggio	
B_{eff} [mm]	**2376**
L_e [mm]	21080
b_e [mm]	3100
b_0 [mm]	300
b_1 [mm]	1038
b_2 [mm]	1038
b_{e1} [mm]	1038
b_{e2} [mm]	1038
beta1 [-]	1.0
beta2 [-]	1.0

Nella modellazione e nelle verifiche, a favore di sicurezza, si utilizza il valore di 2376 mm sia per il concio 1 che per il concio 2, sia per le travi centrali che per quelle di riva.

Nelle verifiche per la zona di appoggio presente nel primo quarto di luce, si utilizza la larghezza collaborante minore ovvero 2376 mm.

Nella direzione longitudinale (parallela all'asse del ponte), si considera un'armatura pari a 1+1 ϕ 14/20, quindi A_f=3658 mm^2 per una larghezza efficace di 2376 mm.

A seguire si riportano le sezioni tipo relative ai due conci metallici di progetto.

Si fa notare la presenza dei baricentri della sezione in funzione delle fasi esecutive analizzate.

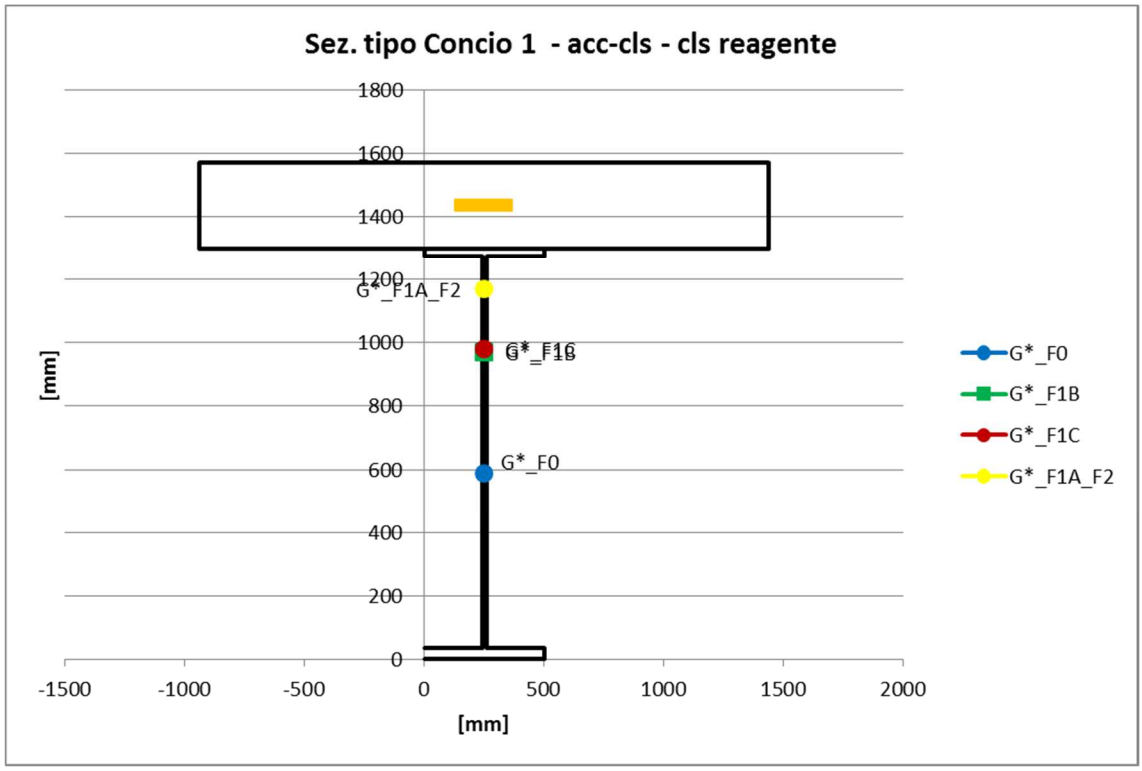


Figura 20 – Sezione trasversale concio 1.

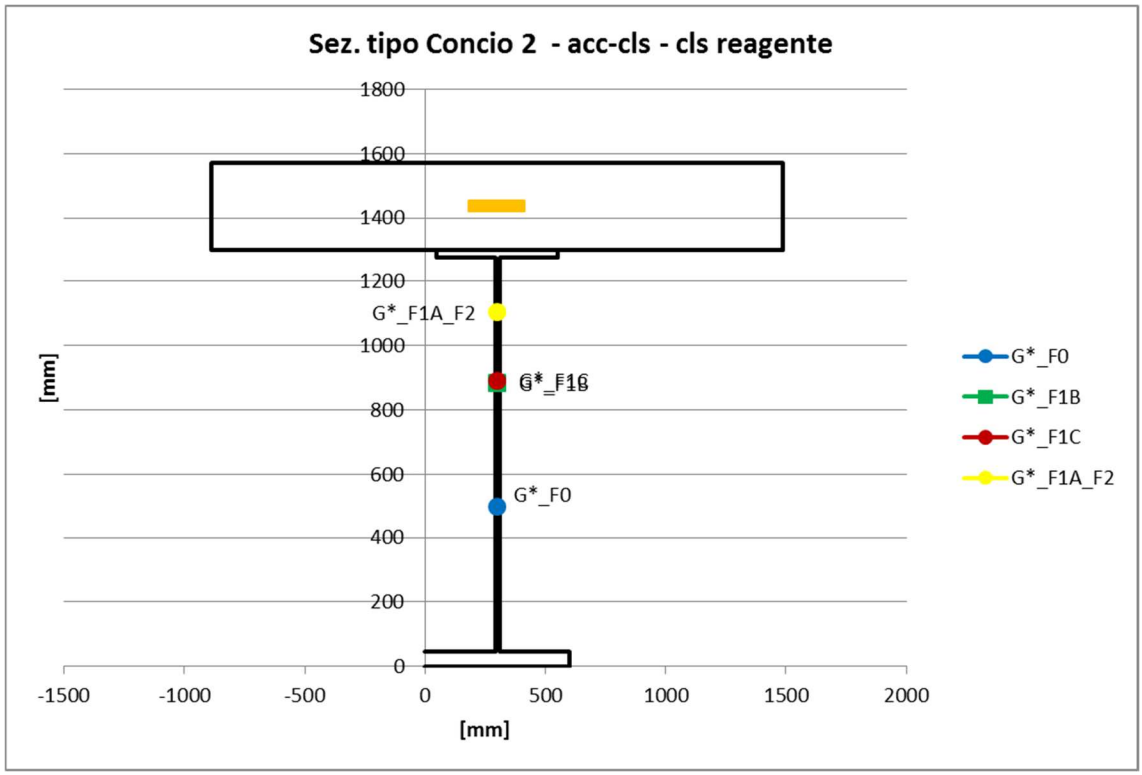


Figura 21 – Sezione trasversale concio 2.

Nella tabella successiva si riportano le caratteristiche inerziali in termini di momento d'inerzia relativi alle sezioni delle travi strutturali per ogni concio e per ogni fase.

Type section	A [mm2]	I33 [mm4]	A_mod	I3_mod
S_C1_Fase_0_Tr_H_1300	48600	14281194600	1.00	1.00
S_C1_Fase_1A - 2	155729	38887574750	3.20	2.72
S_C1_Fase_1B	89340	30400910620	1.83	2.13
S_C1_Fase_1C	91138	30785889300	1.84	2.16
S_C2_Fase_0_Tr_H1300	57950	16711571400	1.00	1.00
S_C2_Fase_1A - 2	165079	50334600300	2.84	3.01
S_C2_Fase_1B	98690	37924886550	1.69	2.26
S_C2_Fase_1C	100488	38469962200	1.72	2.29

Si fa notare che con la codifica "Ci" si indica il numero del concio. Inoltre nelle colonne individuate dagli indici "I3_mod" e "A_mod" si riportano i coefficienti moltiplicativi della sezione metallica semplice al fine di avere la sezione in acciaio- cls corrispondente alla relativa fase.

La figura di seguito mostra la disposizione dei due conci di trave principale: concio 1 (C1) e concio 2 (C2).

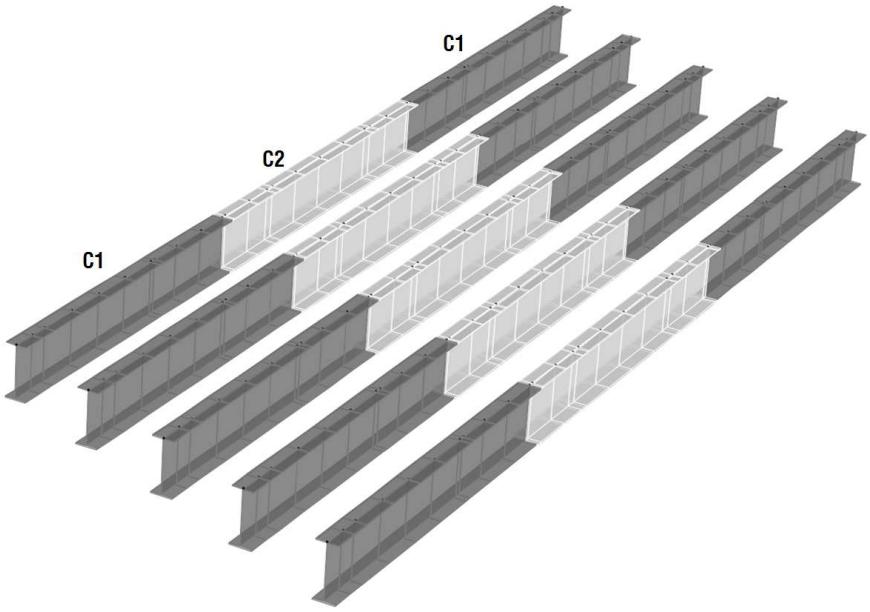
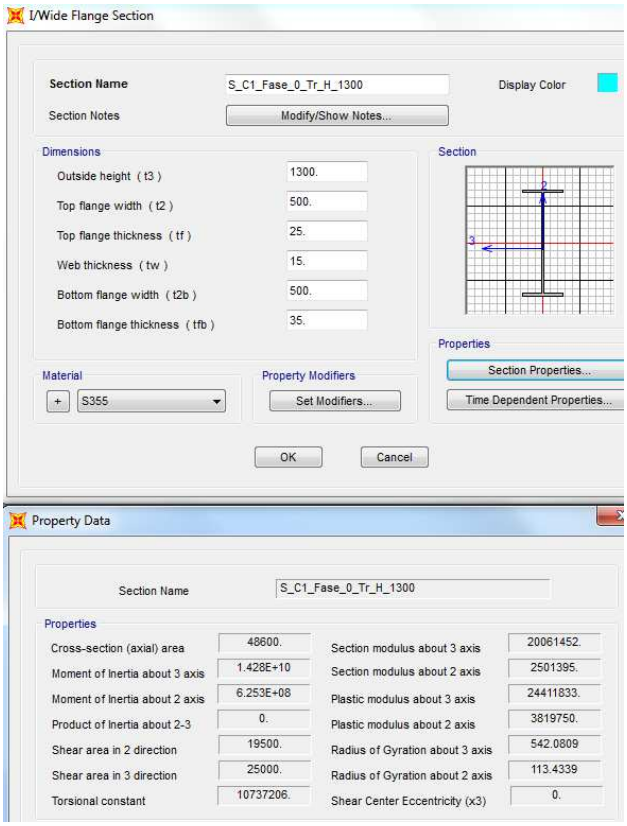


Figura 22 – Vista 3D del modello di calcolo: conci delle travi principali.

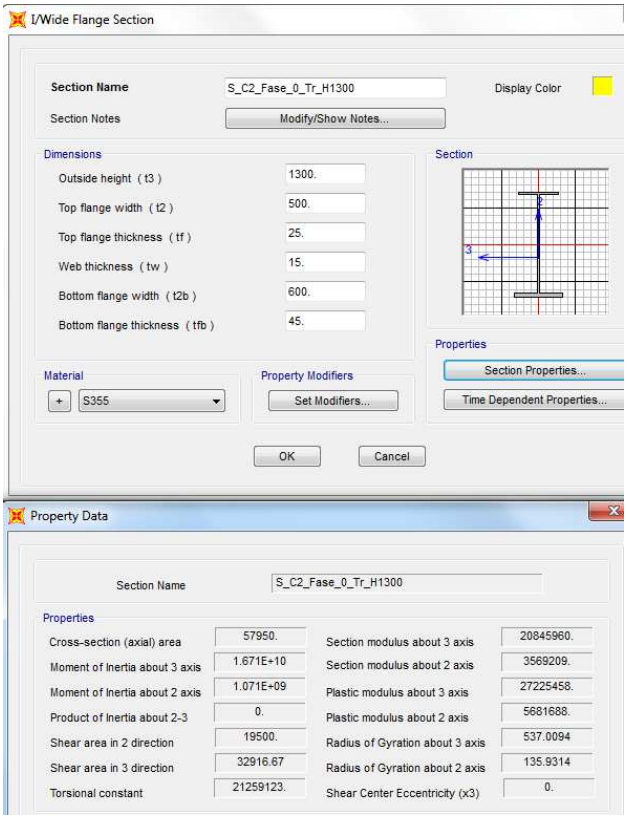
Si riportano di seguito le caratteristiche geometriche ed inerziali dei conci nella fase 0 (solo acciaio). Per le altre fasi, nelle quali è presente la sezione composta, sono riportati i moltiplicatori sopracitati, applicati agli elementi frame che compongono le travi del modello di calcolo.

Fase 0

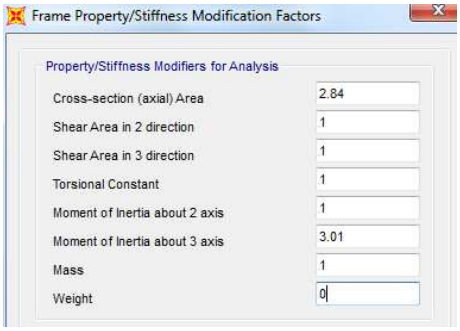
CONCIO 1



CONCIO 2



Fasi 1A e 2

CONCIO 1	CONCIO 2
	

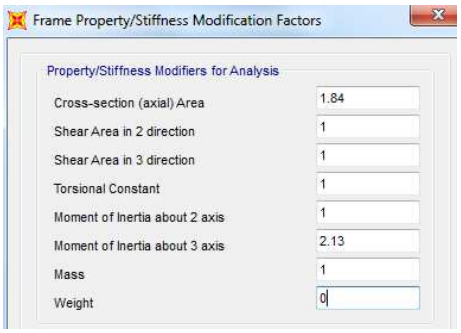
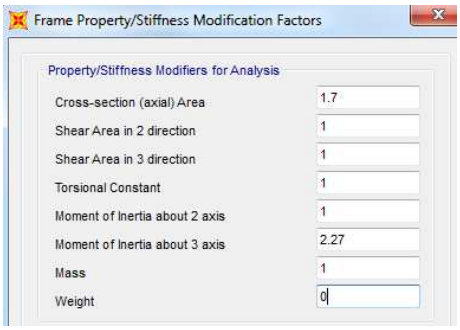
Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	3.2
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	2.72
Mass	1
Weight	0

Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	2.84
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	3.01
Mass	1
Weight	0

Fase 1B

CONCIO 1	CONCIO 2
	

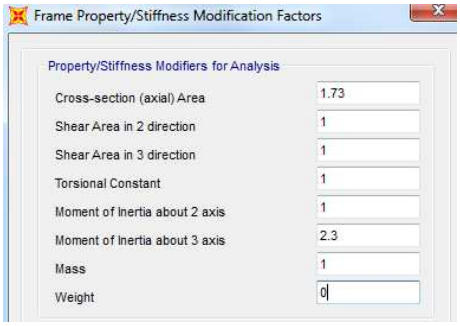
Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	1.84
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	2.13
Mass	1
Weight	0

Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	1.7
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	2.27
Mass	1
Weight	0

Fase 1C

CONCIO 1	CONCIO 2
	

Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	1.87
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	2.16
Mass	1
Weight	0

Frame Property/Stiffness Modification Factors
Property/Stiffness Modifiers for Analysis

Cross-section (axial) Area	1.73
Shear Area in 2 direction	1
Shear Area in 3 direction	1
Torsional Constant	1
Moment of Inertia about 2 axis	1
Moment of Inertia about 3 axis	2.3
Mass	1
Weight	0

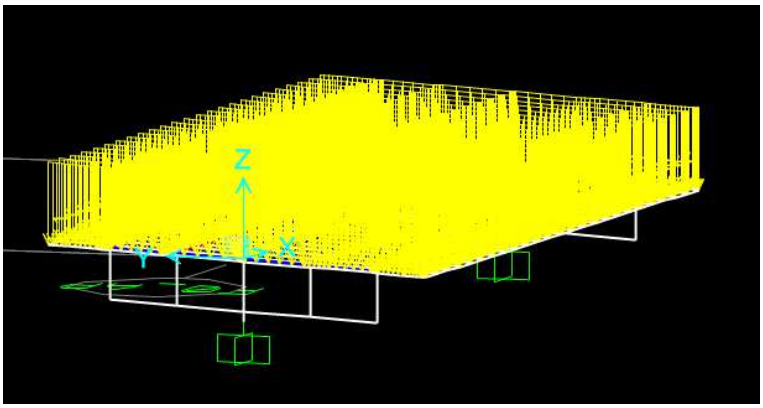
Per quanto concerne le rigidezze dei traversi, non essendo collaboranti con la soletta di impalcato la sezione resistente che viene presa in considerazione è sempre la sola sezione metallica. Si fa dunque affidamento alle rigidezze flessionali di: HEB700 per i traversi di testata e di HEA500 per i traversi di campata.

5.2 MODELLAZIONE DEI CARICHI

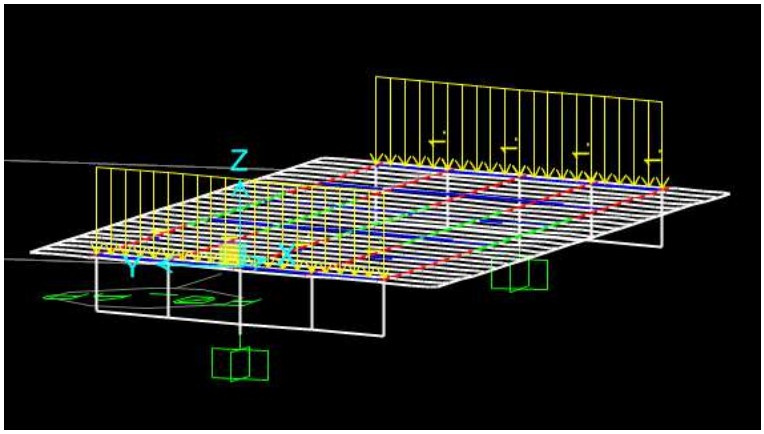
I carichi sull'impalcato vengono modellati come unitari su tutti i sotto modelli. L'entità del carico viene inserita all'interno di una combinazione specifica la quale verrà poi adoperata per la combinazione prevista dalla normativa. Di seguito si riportano le distribuzioni dei carichi per ogni fase esaminata.

FASE 0 – si considerano i seguenti carichi strutturali:

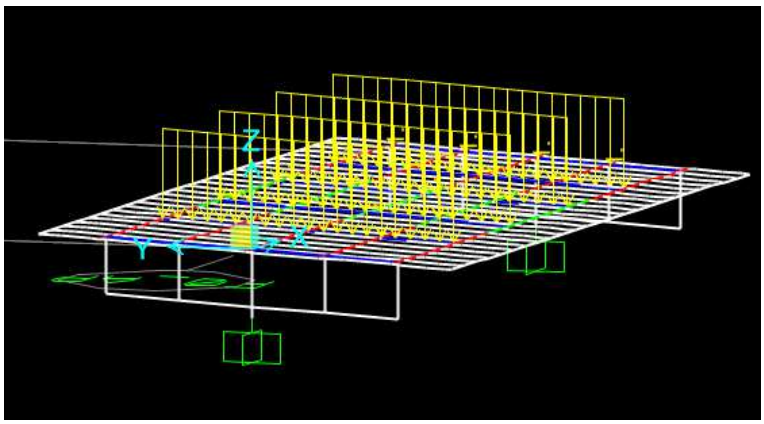
- Peso proprio delle travi – calcolato in automatico dal software (DEAD)
- Peso proprio della soletta



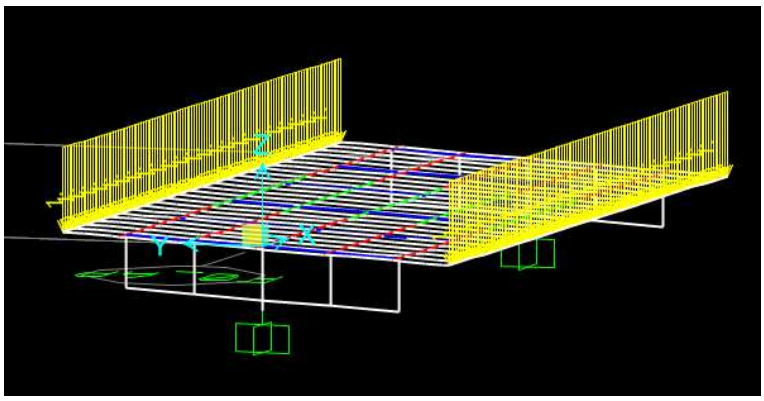
- Pesi propri traversi di testata



- Pesi propri traversi di campata

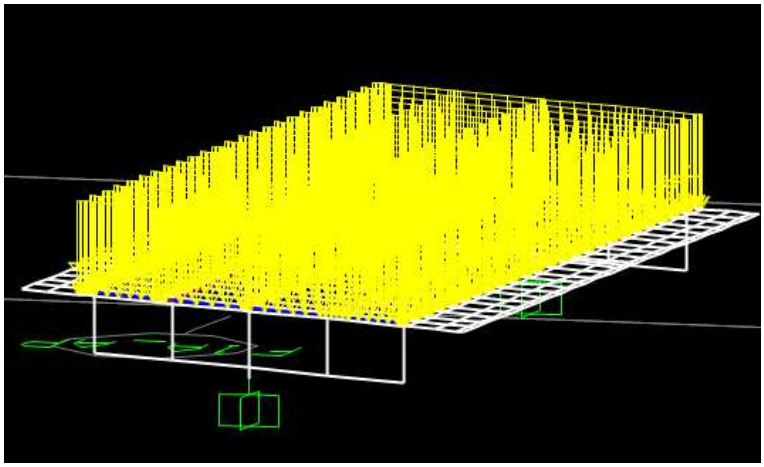


- Peso proprio veletta laterale

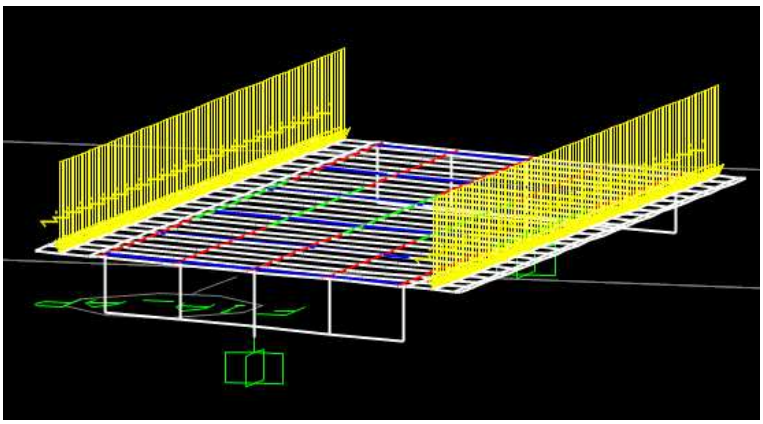


FASE 1A E FASE 1B – si considerano i seguenti carichi permanenti non strutturali:

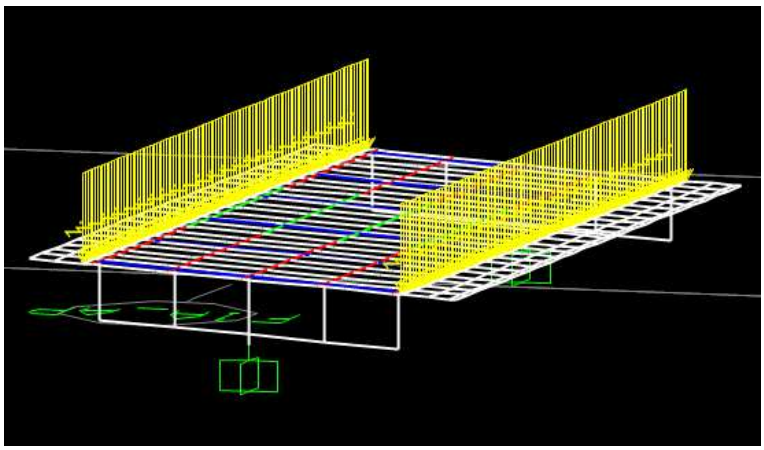
- Peso pavimentazione stradale



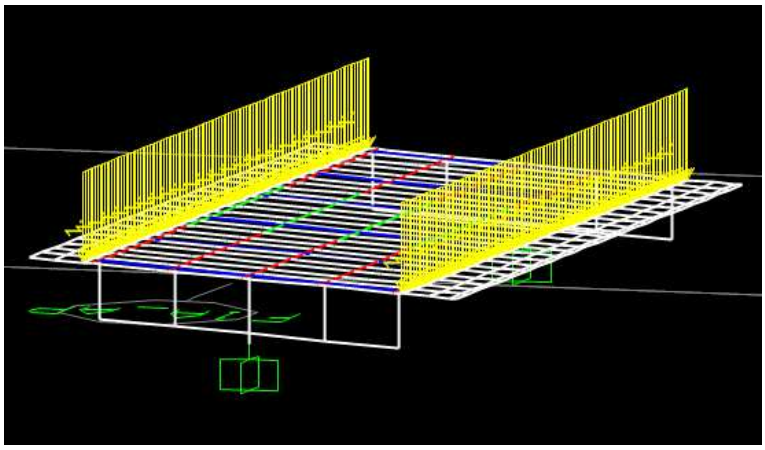
- Peso pavimentazione marciapiede



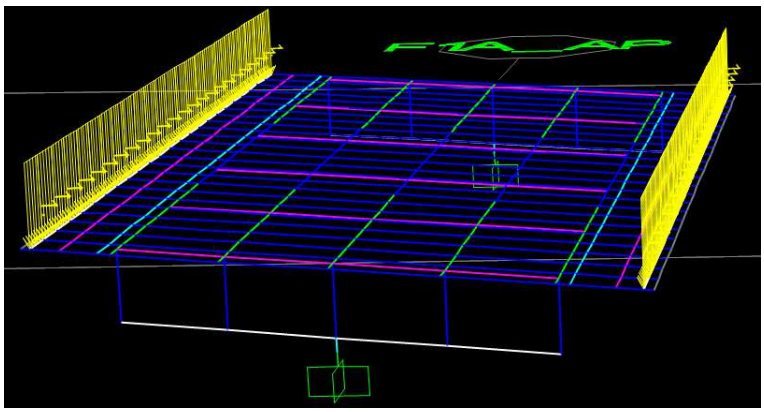
- Peso sicurvia



- Peso cordolo sicurvia

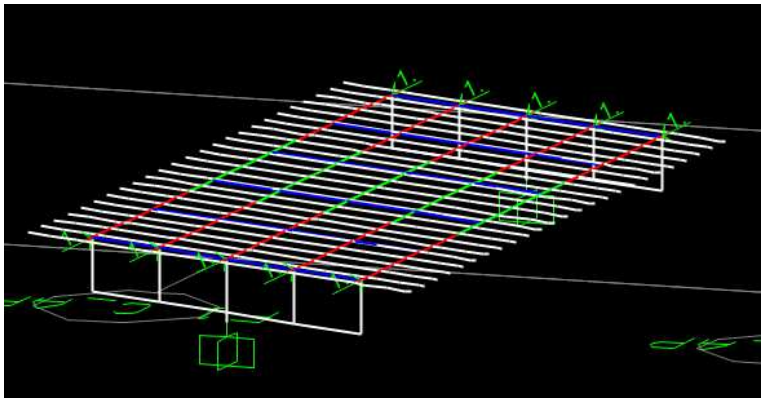


- Peso barriera fono assorbente

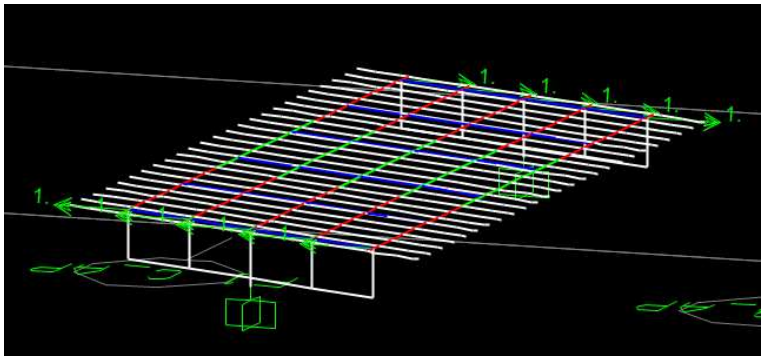


FASE 1C – si considerano le azioni da ritiro

- Azione di assiale

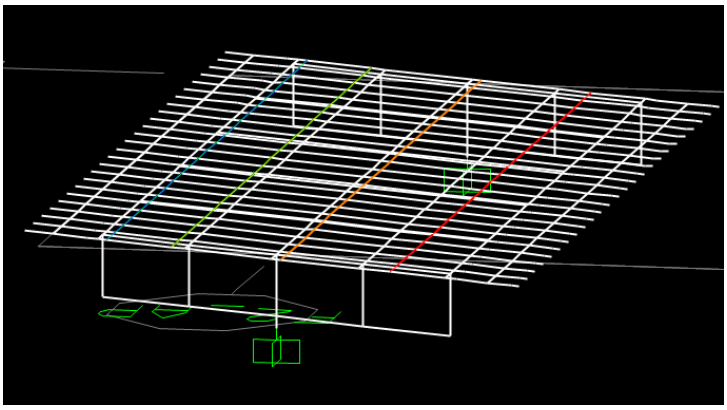


- Azione flettente



FASE 2 – si considerano le azioni variabili

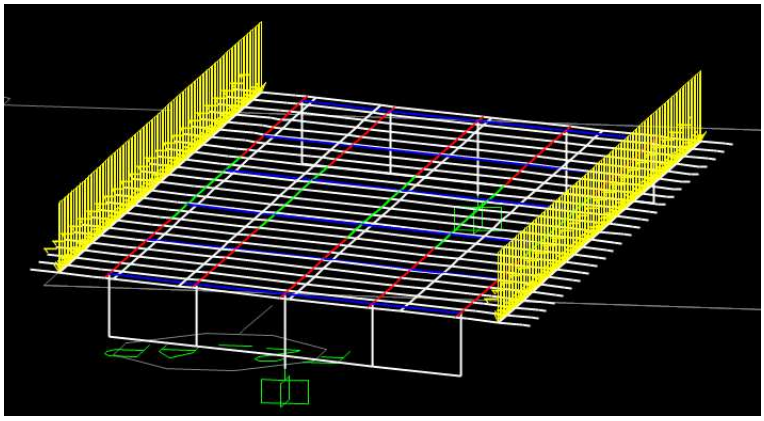
- Variabili da traffico



Si fa osservare che per i variabili da traffico si utilizzano le corsie di carico previste da norma e modellate mediante "frame" fittizi a peso nullo su cui si fanno viaggiare i carichi viaggianti.

Corsia 1 – linea rossa; corsia 2 – linea arancione; corsia 3 – linea verde; parte rimanente – linea azzurra

- Accidentali Marciapiede

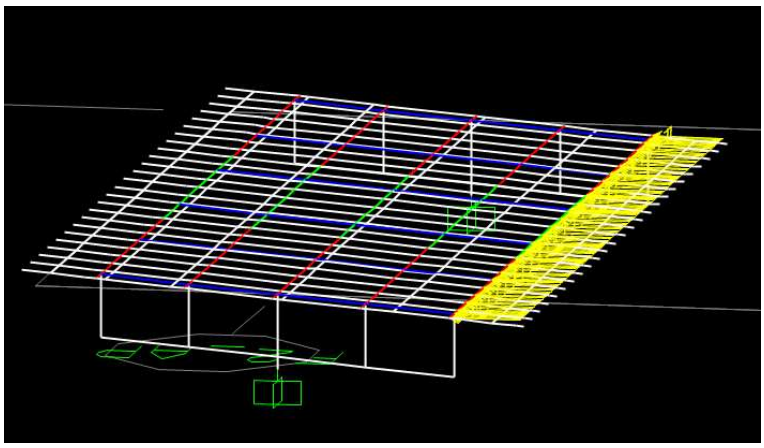


- Variazione termica

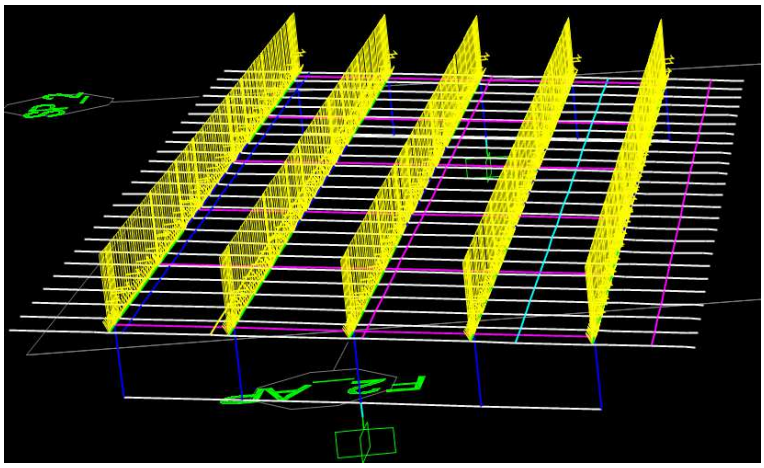
Per la variazione termica si applica un gradiente di temperatura a cui si aggiunge una variazione termica uniforme applicata direttamente sulle travi.

Per quanto riguarda la variazione termica unitaria, essa viene modellata come una variazione termica uniforme a cui si aggiunte una variazione termica variabile (a farfalla), nella maniera che la somma sia sempre unitaria sia all'intradosso trave che all'estradosso soletta.

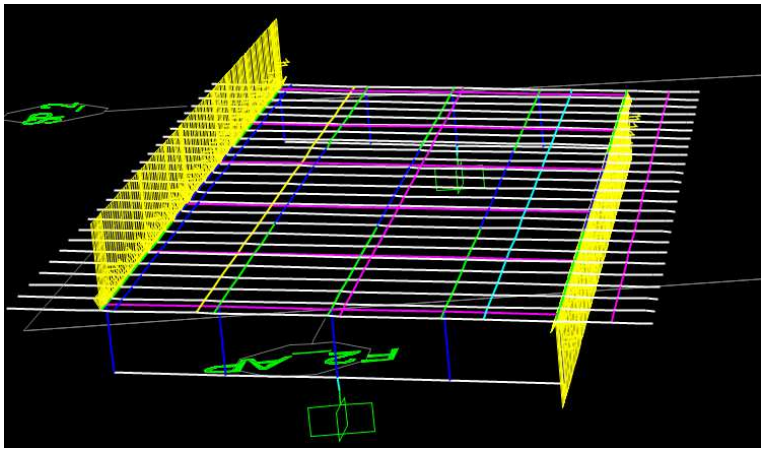
- Azione del vento – componente orizzontale



- Azione del vento – componente orizzontale



- Azione del vento – componente torcente



5.2.1 Controllo e validazione dei risultati

Il software di calcolo utilizzato è SAP2000 versione 21 prodotto dalla Computer & Structures, Inc. Gli estremi della licenza di utilizzo sono:

Nell'ambito della validazione dei calcoli effettuati in ottemperanza alla vigente normativa, sono stati operati dei controlli di tipo semplificato su differenti aspetti inerenti i carichi e le sollecitazioni valutate dal software di calcolo utilizzato. In particolare sono stati considerati:

- Validazione peso proprio impalcato (fase 0);
- Sollecitazioni trave di bordo per carichi accidentali da traffico (fase 2 – traffico) mediante il metodo di Courbon.

Validazione peso proprio impalcato

La validazione del peso proprio dell'impalcato (fase 0) è stata effettuata confrontando la somma delle reazioni verticali calcolate automaticamente dal software di calcolo con quelle calcolate "a mano".

Si riportano di seguito i calcoli effettuati con procedura "a mano":

Peso proprio travi principali:

Nome	G1 (kN/m)	L (m)	num.	Pp (kN)
Concio 1	3.7	8.5	5.0	159.0
Concio 2	4.5	9.0	5.0	200.6
Concio 3	3.7	8.5	5.0	159.0

Peso proprio traversi:

Nome	G1 (kN/m)	L (m)	num.	Pp (kN)
Trav. Campata	1.55	10.2	4	63.5
Trav. Testata	2.05	10.2	2	42.0

Peso proprio soletta e veletta:

Nome	G1 (kN/m)	L (m)	num.	Pp (kN)
Soletta	6.75	14.5	25.0	2455.0
Veletta	1.00	26.0	2.0	52.0

Si ottiene un valore del peso proprio pari a: 3130.9 kN.

Le reazioni vincolari verticali (F3) fornite dal software di calcolo sono le seguenti:

	TABLE: Joint Reactions				
	Beam	Joint	OutputCase	CaseType	F3
FASE 0	Text	Text	Text	Text	KN
Spalla1	T1	F0-1	_G1	Combination	342.6
	T2	F0-3	_G1	Combination	263.1
	T3	F0-5	_G1	Combination	299.8
	T4	F0-7	_G1	Combination	334.6
	T5	F0-9	_G1	Combination	325.3
Spalla2	T1	F0-2	_G1	Combination	357.9
	T2	F0-4	_G1	Combination	305.4
	T3	F0-6	_G1	Combination	264.6
	T4	F0-8	_G1	Combination	290.7
	T5	F0-10	_G1	Combination	346.8

Sommando tutti i contributi si ottiene un peso proprio totale pari a: 3130.7 kN

Peso proprio impalcato (G1 – fase 0)		
Calcolo manuale	**Calcolo automatico (FEM)**	**Scarto rispetto a calcolo automatico**
3130.9 kN	3130.7 kN	0.0 %

Lo scarto ha un valore nullo, quindi accettabile.

Validazione sollecitazioni trave di bordo per carichi accidentali da traffico (fase 2 – traffico)

Per la validazione si rimanda al §5.3.4 della presente relazione tecnica.

5.3 RISULTATI DELL'ANALISI

La determinazione delle sollecitazioni agenti sulle travi principali è condotta attraverso i modelli già descritti per tener conto delle varie fasi di maturazione del getto della soletta collaborante.

Per quanto riguarda i casi di carico da coazione (come termica differenziale e ritiro) non si riportano le sollecitazioni da effetto iperstatico in quanto nulle (la struttura è isostatica); il loro effetto isostatico è tenuto in conto in sede di verifica come sovrapposizione di uno sforzo assiale sulla sola soletta (che dipende dalla deformazione nominale della coazione e dall'area di calcestruzzo effettiva) e un uguale sforzo (di segno opposto) sulla sezione mista, eccentrico rispetto al baricentro della stessa sezione mista.

5.3.1 Combinazioni utilizzate nel modello

Si riportano le combinazioni di carico presenti nel modello strutturale a cui si fa riferimento per le sollecitazioni e deformazioni.

All'interno della presente tabella sono riportati i moltiplicatori di carico per i carichi unitari modellati sull'impalcato

ComboName	ComboType	CaseName	ScaleFactor
_G1	Linear Add	0_Pesi Propri soletta	6.75
_G1		0_DEAD	1
_G1		0_Pesi traversi di campata	1.55
_G1		0_Pesi traversi di testata	2.05
_G1		0_Pesi propri veletta	1
_G2	Linear Add	1_Perm. Portati_pavim. marciapiede	2.4
_G2		1_Perm. Portati_pavim. stradale	4
_G2		1_Perm. Portati_sicurvia	0.9
_G2		1_Perm. Portati_barriera acustica	2
_G2		1_Perm. Portati_cordolo sicurvia	1.5
_Mob_AXI-1	Range Add	2_Mob_conc_1a_corsia	600
_Mob_AXI-1		2_Mob_conc_2a_corsia	400
_Mob_AXI-1		2_Mob_conc_3a_corsia	200
_Mob_DIS-1	Range Add	2_Mob_dis_1a_corsia	27
_Mob_DIS-1		2_Mob_dis_2a_corsia	7.5
_Mob_DIS-1		2_Mob_dis_3a_corsia	7.5
_Mob_DIS-1		2_Mob_dis_p.r.	0
_Mob_Fren	Linear Add	2_Fren_q	17

_Mob_Fren		2_Fren_m	8.5
_Acc. Marciapiede 1	Linear Add	2_Acc_marciapiede 1	3.5
C_Mob_gruppo_1-dominante-1	Linear Add	_Mob_AXI-1	1
C_Mob_gruppo_1-dominante-1		_Mob_DIS-1	1
C_Mob_gruppo_1-dominante-1		_Acc. Marciapiede 1	1
C_Mob_gruppo_2a	Linear Add	_Mob_AXI-1	0.75
C_Mob_gruppo_2a		_Mob_DIS-1	0.4
C_Mob_gruppo_2a		_Mob_Fren	1
C_G1+G2	Linear Add	_G1	1
C_G1+G2		_G2	1
_R	Linear Add	3_Ritiro_Nr	2130
_R		3_Ritiro_Mr	-554
_Acc. Vento	Linear Add	2_Acc_vento_verticale	1
_Acc. Vento		2_Acc_vento_orizzontale	1.4
_Acc. Vento		2_Acc_vento_coppia torcente	1
_Acc. VT-unif(+)	Linear Add	2_Acc_VT_uniforme	30
_Acc. VT-diff.(+)	Linear Add	2_Acc_VT_diff./1	15
_Acc. VT-diff.(+)		2_Acc_VT_diff./2	15
_Acc. VT-1(a)	Linear Add	_Acc. VT-unif(+)	1
_Acc. VT-1(a)		_Acc. VT-diff.(+)	1
_Acc. VT-diff. (-)	Linear Add	2_Acc_VT_diff./1	-18
_Acc. VT-diff. (-)		2_Acc_VT_diff./2	-18
_Acc. VT-1(b)	Linear Add	_Acc. VT-unif(+)	1
_Acc. VT-1(b)		_Acc. VT-diff. (-)	1
C_VT-1	Envelope	_Acc. VT-1(a)	1
C_VT-1		_Acc. VT-1(b)	1
C_SLU_gr1_1_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_1_(A1)		_G2	1.5
C_SLU_gr1_1_(A1)		C_Mob_gruppo_1-dominante-1	1.35
C_SLU_gr1_1_(A1)		_R	1.2

C_SLU_gr1_1_(A1)		_Acc. Vento	0.9
C_SLU_gr1_1_(A1)		C_VT-1	0.9
C_SLU_gr2a_1_(A1)	Linear Add	_G1	1.35
C_SLU_gr2a_1_(A1)		_G2	1.5
C_SLU_gr2a_1_(A1)		C_Mob_gruppo_2a	1.35
C_SLU_gr2a_1_(A1)		_R	1.2
C_SLU_gr2a_1_(A1)		C_VT-1	0.9
C_SLU_gr2a_1_(A1)		_Acc. Vento	0.9
C_SLE_rara_gr1_1	Linear Add	_G1	1
C_SLE_rara_gr1_1		_G2	1
C_SLE_rara_gr1_1		C_Mob_gruppo_1-dominante-1	1
C_SLE_rara_gr1_1		_R	1
C_SLE_rara_gr1_1		_Acc. Vento	0.6
C_SLE_rara_gr1_1		C_VT-1	0.6
C_SL_FAT_Carico Fatica 1-1	Linear Add	_Mob_AXI-1	0.7
C_SL_FAT_Carico Fatica 1-1		_Mob_DIS-1	0.3
C_SL_FAT_Carico Fatica 2	Envelope	2_FAT_2_VEH1_1a_corsia	1
C_SL_FAT_Carico Fatica 2		2_FAT_2_VEH2_1a_corsia	1
C_SL_FAT_Carico Fatica 2		2_FAT_2_VEH3_1a_corsia	1
C_SL_FAT_Carico Fatica 2		2_FAT_2_VEH4_1a_corsia	1
C_SL_FAT_Carico Fatica 2		2_FAT_2_VEH5_1a_corsia	1
_Acc. VT-unif(-)	Linear Add	2_Acc_VT_uniforme	-30
_Acc. VT-2(a)	Linear Add	_Acc. VT-unif(-)	1
_Acc. VT-2(a)		_Acc. VT-diff.(+)	1
_Acc. VT-2(b)	Linear Add	_Acc. VT-unif(-)	1
_Acc. VT-2(b)		_Acc. VT-diff. (-)	1
C_VT-2	Envelope	_Acc. VT-2(a)	1
C_VT-2		_Acc. VT-2(b)	1
C_Mob_gruppo_1-non dom.	Linear Add	_Mob_AXI-1	0.75
C_Mob_gruppo_1-non dom.		_Mob_DIS-1	0.4

C_Mob_gruppo_1-non dom.		_Acc. Marciapiede 1	1
C_SLU_gr1_2_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_2_(A1)		_G2	1.5
C_SLU_gr1_2_(A1)		C_Mob_gruppo_1-dominante-1	1.35
C_SLU_gr1_2_(A1)		_R	1.2
C_SLU_gr1_2_(A1)		_Acc. Vento	0.9
C_SLU_gr1_2_(A1)		C_VT-2	0.9
C_SLU_gr1_3_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_3_(A1)		_G2	1.5
C_SLU_gr1_3_(A1)		C_Mob_gruppo_1-non dom.	1.35
C_SLU_gr1_3_(A1)		_R	1.2
C_SLU_gr1_3_(A1)		_Acc. Vento	0.9
C_SLU_gr1_3_(A1)		C_VT-1	1.5
C_SLU_gr1_4_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_4_(A1)		_G2	1.5
C_SLU_gr1_4_(A1)		C_Mob_gruppo_1-non dom.	1.35
C_SLU_gr1_4_(A1)		_R	1.2
C_SLU_gr1_4_(A1)		_Acc. Vento	0.9
C_SLU_gr1_4_(A1)		C_VT-2	1.5
C_SLU_gr2a_2_(A1)	Linear Add	_G1	1.35
C_SLU_gr2a_2_(A1)		_G2	1.5
C_SLU_gr2a_2_(A1)		C_Mob_gruppo_2a	1.35
C_SLU_gr2a_2_(A1)		_R	1.2
C_SLU_gr2a_2_(A1)		C_VT-2	0.9
C_SLU_gr2a_2_(A1)		_Acc. Vento	0.9
C_SLE_rara_gr1_2	Linear Add	_G1	1
C_SLE_rara_gr1_2		_G2	1
C_SLE_rara_gr1_2		C_Mob_gruppo_1-dominante-1	1
C_SLE_rara_gr1_2		_R	1
C_SLE_rara_gr1_2		_Acc. Vento	0.6

C_SLE_rara_gr1_2		C_VT-2	0.6
C_SLE_rara_gr1_3	Linear Add	_G1	1
C_SLE_rara_gr1_3		_G2	1
C_SLE_rara_gr1_3		C_Mob_gruppo_1-non dom.	1
C_SLE_rara_gr1_3		_R	1
C_SLE_rara_gr1_3		_Acc. Vento	0.6
C_SLE_rara_gr1_3		C_VT-1	1
C_SLE_rara_gr1_4	Linear Add	_G1	1
C_SLE_rara_gr1_4		_G2	1
C_SLE_rara_gr1_4		C_Mob_gruppo_1-non dom.	1
C_SLE_rara_gr1_4		_R	1
C_SLE_rara_gr1_4		_Acc. Vento	0.6
C_SLE_rara_gr1_4		C_VT-2	1
C_SLE_rara_gr2a_1	Linear Add	_G1	1
C_SLE_rara_gr2a_1		_G2	1
C_SLE_rara_gr2a_1		C_Mob_gruppo_2a	1
C_SLE_rara_gr2a_1		_R	1
C_SLE_rara_gr2a_1		C_VT-1	0.6
C_SLE_rara_gr2a_1		_Acc. Vento	0.6
C_SLE_rara_gr2a_2	Linear Add	_G1	1
C_SLE_rara_gr2a_2		_G2	1
C_SLE_rara_gr2a_2		C_Mob_gruppo_2a	1
C_SLE_rara_gr2a_2		_R	1
C_SLE_rara_gr2a_2		C_VT-2	0.6
C_SLE_rara_gr2a_2		_Acc. Vento	0.6
_Mob_AXI-3	Range Add	2_Mob_conc_1a_corsia	400
_Mob_AXI-3		2_Mob_conc_2a_corsia	600
_Mob_AXI-3		2_Mob_conc_3a_corsia	200
_Mob_DIS-3	Range Add	2_Mob_dis_1a_corsia	7.5
_Mob_DIS-3		2_Mob_dis_2a_corsia	27

_Mob_DIS-3		2_Mob_dis_3a_corsia	7.5
_Mob_DIS-3		2_Mob_dis_p.r.	1.25
_Acc. Marciapiede 2	Linear Add	2_Acc_marciapiede 2	3.5
C_Mob_gruppo_1-dominante-3	Linear Add	_Mob_AXI-3	1
C_Mob_gruppo_1-dominante-3		_Mob_DIS-3	1
C_Mob_gruppo_1-dominante-3		_Acc. Marciapiede 1	1
C_Mob_gruppo_1-dominante-3		_Acc. Marciapiede 2	1
C_SLE_rara_gr1_5	Linear Add	_G1	1
C_SLE_rara_gr1_5		_G2	1
C_SLE_rara_gr1_5		C_Mob_gruppo_1-dominante-3	1
C_SLE_rara_gr1_5		_R	1
C_SLE_rara_gr1_5		_Acc. Vento	0.6
C_SLE_rara_gr1_5		C_VT-1	0.6
C_SLE_rara_gr1_6	Linear Add	_G1	1
C_SLE_rara_gr1_6		_G2	1
C_SLE_rara_gr1_6		C_Mob_gruppo_1-dominante-3	1
C_SLE_rara_gr1_6		_R	1
C_SLE_rara_gr1_6		_Acc. Vento	0.6
C_SLE_rara_gr1_6		C_VT-2	0.6
C_SLE_rara_ENV	Envelope	C_SLE_rara_gr1_1	1
C_SLE_rara_ENV		C_SLE_rara_gr1_2	1
C_SLE_rara_ENV		C_SLE_rara_gr1_3	1
C_SLE_rara_ENV		C_SLE_rara_gr1_4	1
C_SLE_rara_ENV		C_SLE_rara_gr2a_1	1
C_SLE_rara_ENV		C_SLE_rara_gr2a_2	1
C_SLE_rara_ENV		C_SLE_rara_gr1_5	1
C_SLE_rara_ENV		C_SLE_rara_gr1_6	1
C_SLU_gr1_5_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_5_(A1)		_G2	1.5
C_SLU_gr1_5_(A1)		C_Mob_gruppo_1-dominante-3	1.35

C_SLU_gr1_5_(A1)		_R	1.2
C_SLU_gr1_5_(A1)		_Acc. Vento	0.9
C_SLU_gr1_5_(A1)		C_VT-1	0.9
C_SLU_gr1_6_(A1)	Linear Add	_G1	1.35
C_SLU_gr1_6_(A1)		_G2	1.5
C_SLU_gr1_6_(A1)		C_Mob_gruppo_1-dominante-3	1.35
C_SLU_gr1_6_(A1)		_R	1.2
C_SLU_gr1_6_(A1)		_Acc. Vento	0.9
C_SLU_gr1_6_(A1)		C_VT-2	0.9
C_SLU_STR_ENV	Envelope	C_SLU_gr1_1_(A1)	1
C_SLU_STR_ENV		C_SLU_gr1_2_(A1)	1
C_SLU_STR_ENV		C_SLU_gr1_3_(A1)	1
C_SLU_STR_ENV		C_SLU_gr1_4_(A1)	1
C_SLU_STR_ENV		C_SLU_gr2a_1_(A1)	1
C_SLU_STR_ENV		C_SLU_gr2a_2_(A1)	1
C_SLU_STR_ENV		C_SLU_gr1_5_(A1)	1
C_SLU_STR_ENV		C_SLU_gr1_6_(A1)	1
C_SLE_freq_gr1_1	Linear Add	_G1	1
C_SLE_freq_gr1_1		_G2	1
C_SLE_freq_gr1_1		C_Mob_gruppo_1-non dom.	1
C_SLE_freq_gr1_1		_R	1
C_SLE_freq_gr1_1		C_VT-1	0.5
C_SLE_freq_gr1_2	Linear Add	_G1	1
C_SLE_freq_gr1_2		_G2	1
C_SLE_freq_gr1_2		C_Mob_gruppo_1-non dom.	1
C_SLE_freq_gr1_2		_R	1
C_SLE_freq_gr1_2		C_VT-2	0.5
C_SLE_freq_gr1_3	Linear Add	_G1	1
C_SLE_freq_gr1_3		_G2	1
C_SLE_freq_gr1_3		_R	1

C_SLE_freq_gr1_3		C_VT-1	0.6
C_SLE_freq_gr1_4	Linear Add	_G1	1
C_SLE_freq_gr1_4		_G2	1
C_SLE_freq_gr1_4		_R	1
C_SLE_freq_gr1_4		C_VT-2	0.6
C_SLE_freq_ENV	Envelope	C_SLE_freq_gr1_1	1
C_SLE_freq_ENV		C_SLE_freq_gr1_2	1
C_SLE_freq_ENV		C_SLE_freq_gr1_3	1
C_SLE_freq_ENV		C_SLE_freq_gr1_4	1
C_SLE_qperm	Linear Add	_G1	1
C_SLE_qperm		_G2	1
C_SLE_qperm		_R	1
_Mob_AXI-2	Range Add	2_Mob_conc_1a_corsia	600
_Mob_AXI-2		2_Mob_conc_2a_corsia	400
_Mob_AXI-2		2_Mob_conc_3a_corsia	0
_Mob_DIS-2	Range Add	2_Mob_dis_1a_corsia	27
_Mob_DIS-2		2_Mob_dis_2a_corsia	7.5
_Mob_DIS-2		2_Mob_dis_3a_corsia	0
_Mob_DIS-2		2_Mob_dis_p.r.	0
C_Mob_gruppo_1-dominante-2	Linear Add	_Mob_AXI-2	1
C_Mob_gruppo_1-dominante-2		_Mob_DIS-2	1
C_Mob_gruppo_1-dominante-2		_Acc. Marciapiede 1	1
C_SL_FAT_Carico Fatica 1-2	Linear Add	_Mob_AXI-2	0.7
C_SL_FAT_Carico Fatica 1-2		_Mob_DIS-2	0.3
C_SL_FAT_Carico Fatica 1-3	Linear Add	_Mob_AXI-3	0.7
C_SL_FAT_Carico Fatica 1-3		_Mob_DIS-3	0.3
C_SL_FAT1_ENV	Envelope	C_SL_FAT_Carico Fatica 1-1	1
C_SL_FAT1_ENV		C_SL_FAT_Carico Fatica 1-2	1
C_SL_FAT1_ENV		C_SL_FAT_Carico Fatica 1-3	1
C_Mob_ENV	Envelope	C_Mob_gruppo_1-dominante-1	1

C_Mob_ENV		C_Mob_gruppo_1-dominante-2	1
C_Mob_ENV		C_Mob_gruppo_1-dominante-3	1
C_Mob_ENV		C_Mob_gruppo_1-non dom.	1
C_Mob_ENV		C_Mob_gruppo_2a	1
_EX	Linear Add	4_Sisma_dir_x	1
_EX		4_Sisma_dir_y	0.3
_EX		4_Sisma_dir_z	0.3
_EY	Linear Add	4_Sisma_dir_x	0.3
_EY		4_Sisma_dir_y	1
_EY		4_Sisma_dir_z	0.3
_EZ	Linear Add	4_Sisma_dir_x	0.3
_EZ		4_Sisma_dir_y	0.3
_EZ		4_Sisma_dir_z	1
C_SLV_X	Linear Add	_EX	1
C_SLV_X		_G1	1
C_SLV_X		_G2	1
C_SLV_Y	Linear Add	_EY	1
C_SLV_Y		_G1	1
C_SLV_Y		_G2	1
C_SLV_Z	Linear Add	_EZ	1
C_SLV_Z		_G1	1
C_SLV_Z		_G2	1

Si vuol far osservare che ogni sul modello sono stati inseriti solo carichi unitari (sono presenti o carichi concentrati o distribuiti lineari) attraverso i rispettivi “load cases”. L’entità del carico viene inserita per mezzo di un fattore moltiplicativo presente nelle combinazioni sopra riportate sfruttando la linearità del comportamento.

Questa forma di applicazione rende il modello strutturale più semplice da trattare ed allo stesso tempo si ha maggiore controllo in fase di analisi.

5.3.2 Sollecitazioni travi

Di seguito sono riportate in forma grafica, per caso di carico, le caratteristiche di sollecitazione significative nella verifica dell'impalcato. Si fa riferimento alla trave n. 5 di valle in quanto più sollecitata dal punto di vista flessionale rispetto alle altre travi.

Carichi permanenti strutturali – Fase 0

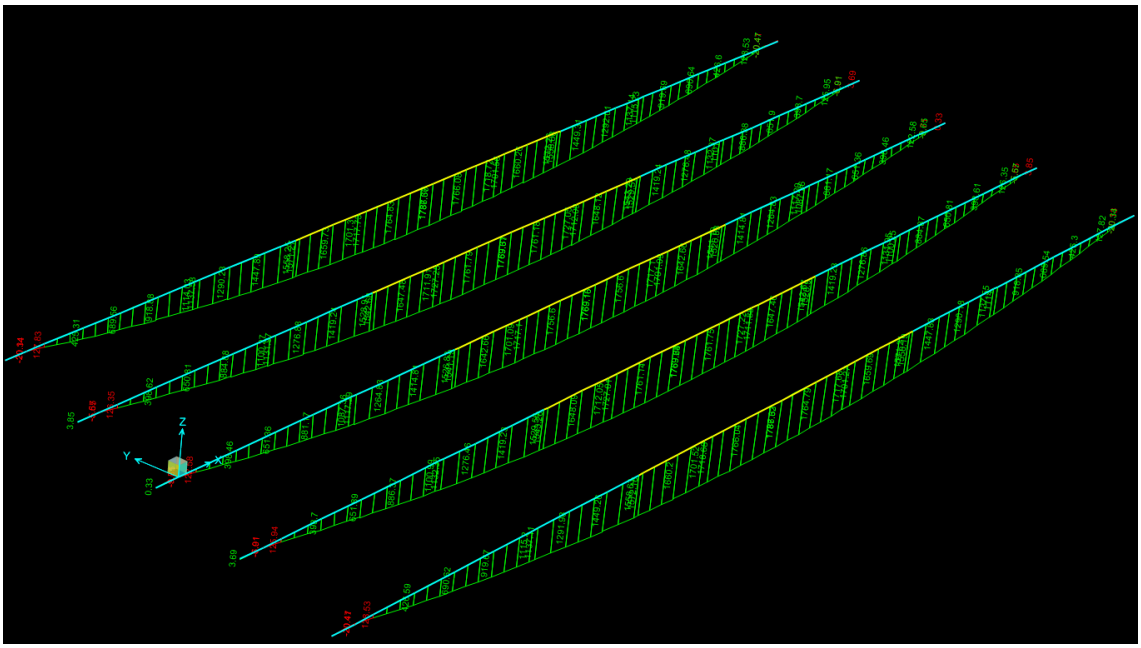


Figura 23 – Momento flettente sulle travi per peso proprio acciaio e soletta in c.a.

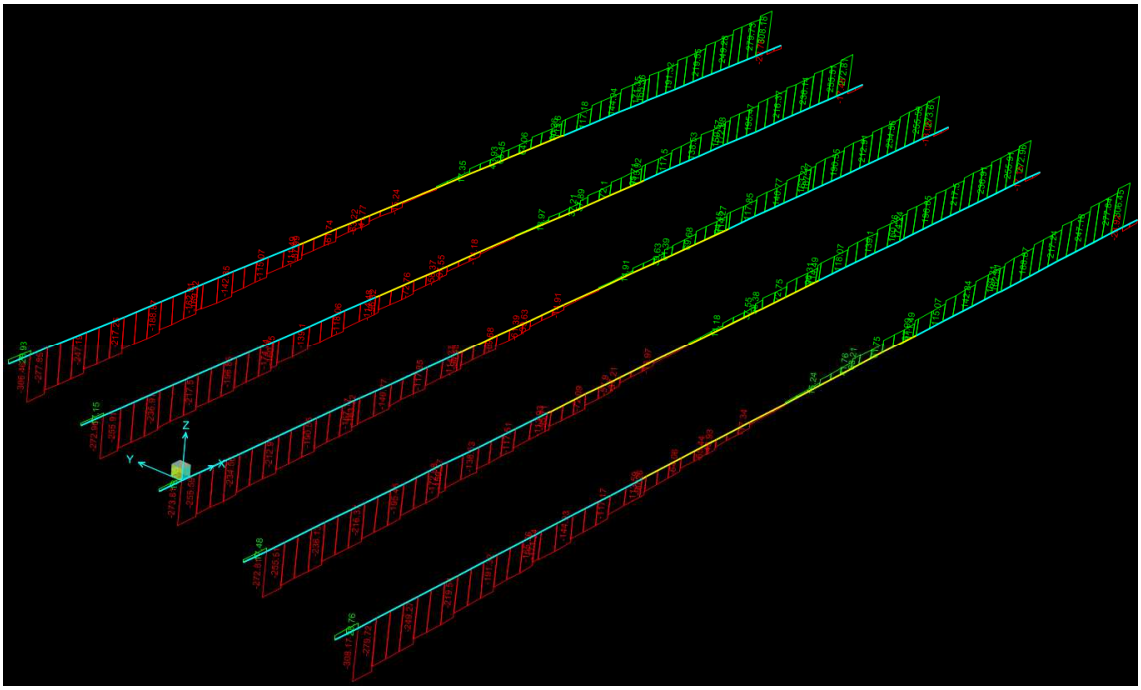


Figura 24 - Taglio sulle travi per peso proprio acciaio: travi principali.

Carichi permanenti non strutturali – Fase 1A (t=0) e fase 1B (t=inf.)

Fase 1A

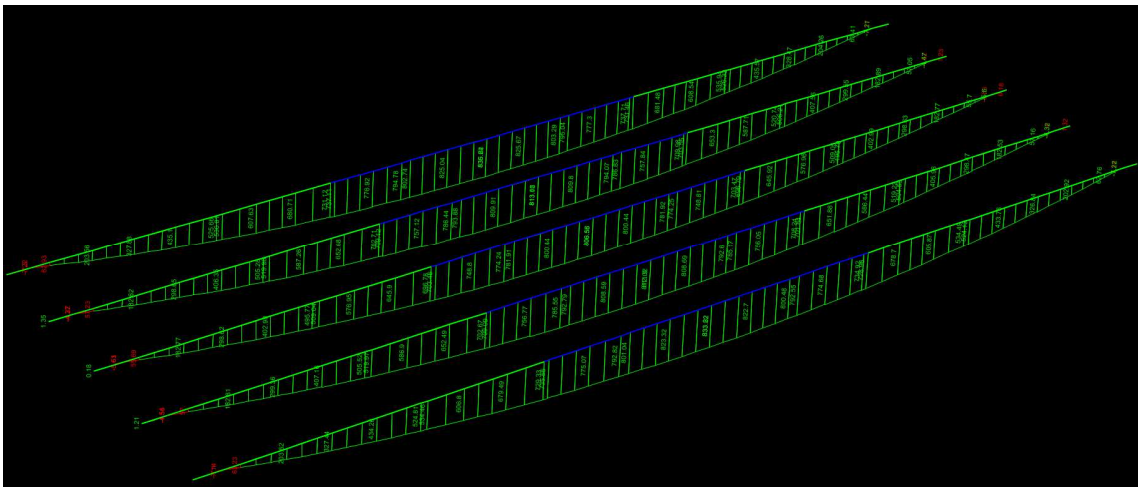


Figura 25 – Momento flettente sulle travi per carichi permanenti non strutturali – fase 1A.

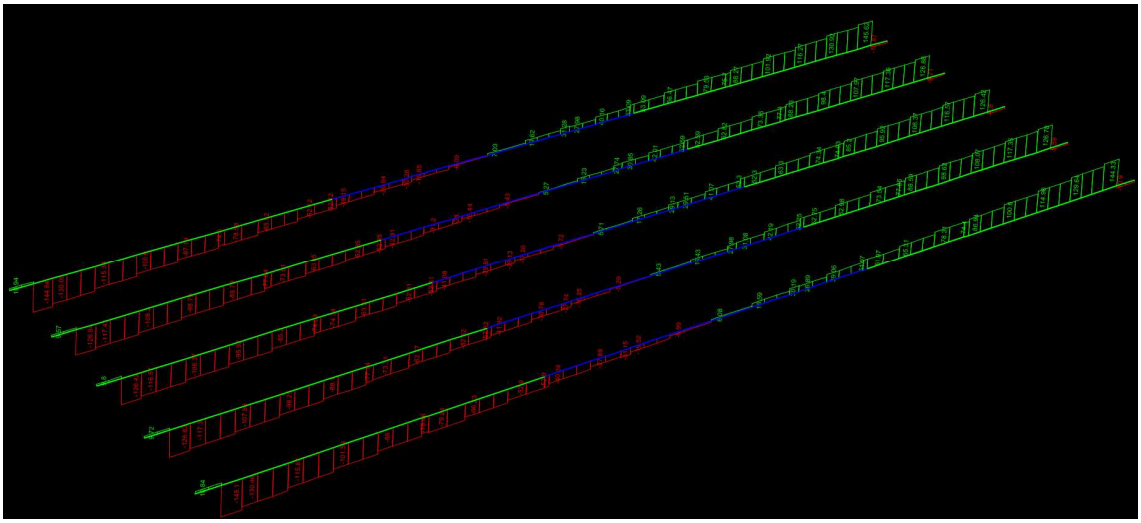


Figura 26 – Taglio sulle travi per carichi permanenti non strutturali – fase 1A.

Fase 1B

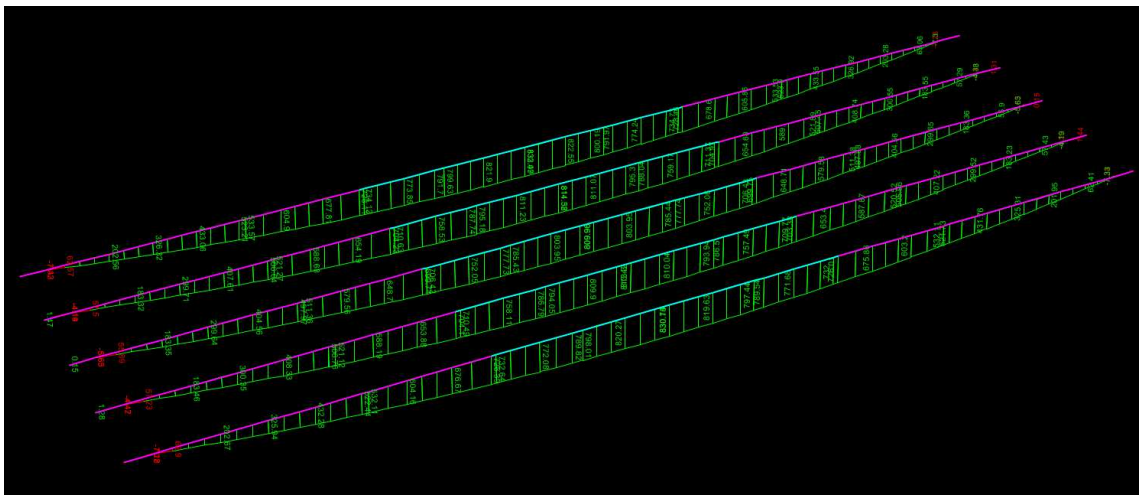


Figura 27 – Momento flettente sulle travi per carichi permanenti non strutturali – fase 1B.

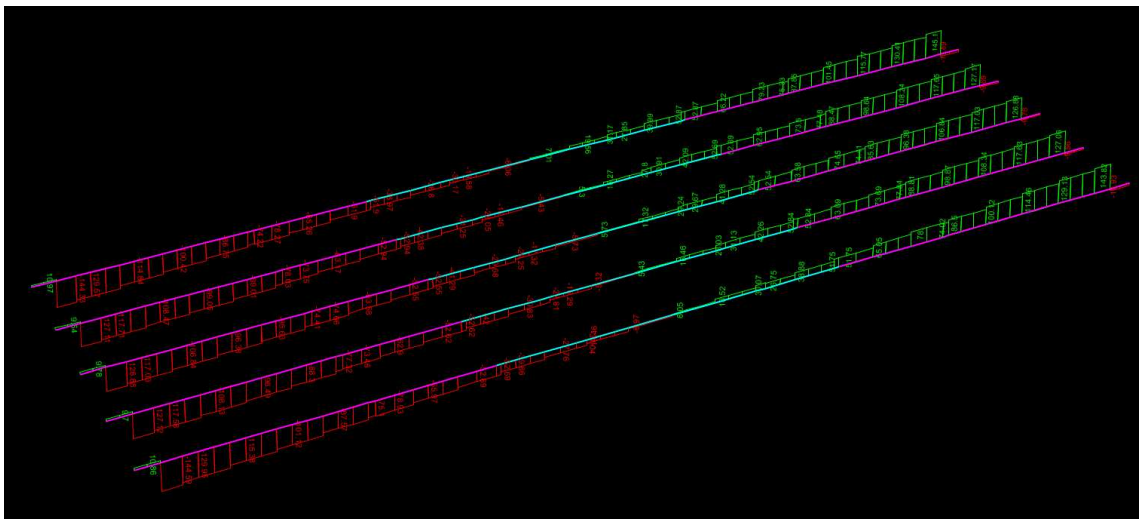


Figura 28 – Taglio sulle travi per carichi permanenti non strutturali – fase 1B.

Ritiro – Fase 1C

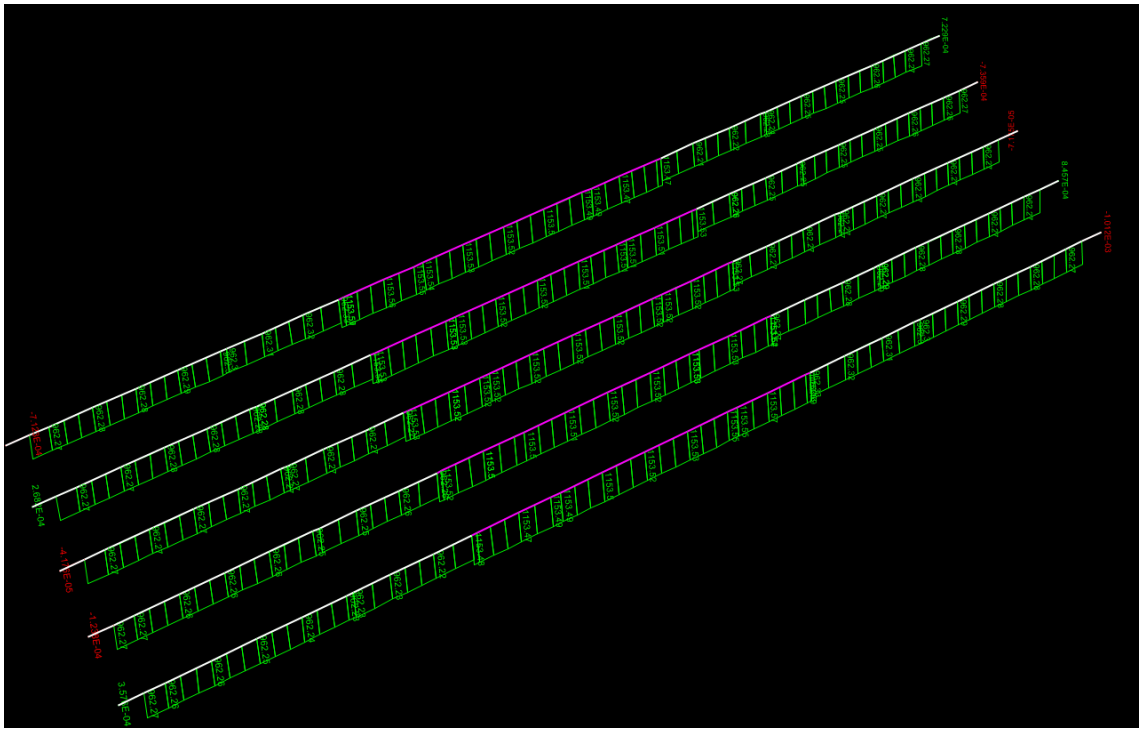


Figura 29 – Momento flettente sulle travi per azioni equivalenti al ritiro – fase 1C.

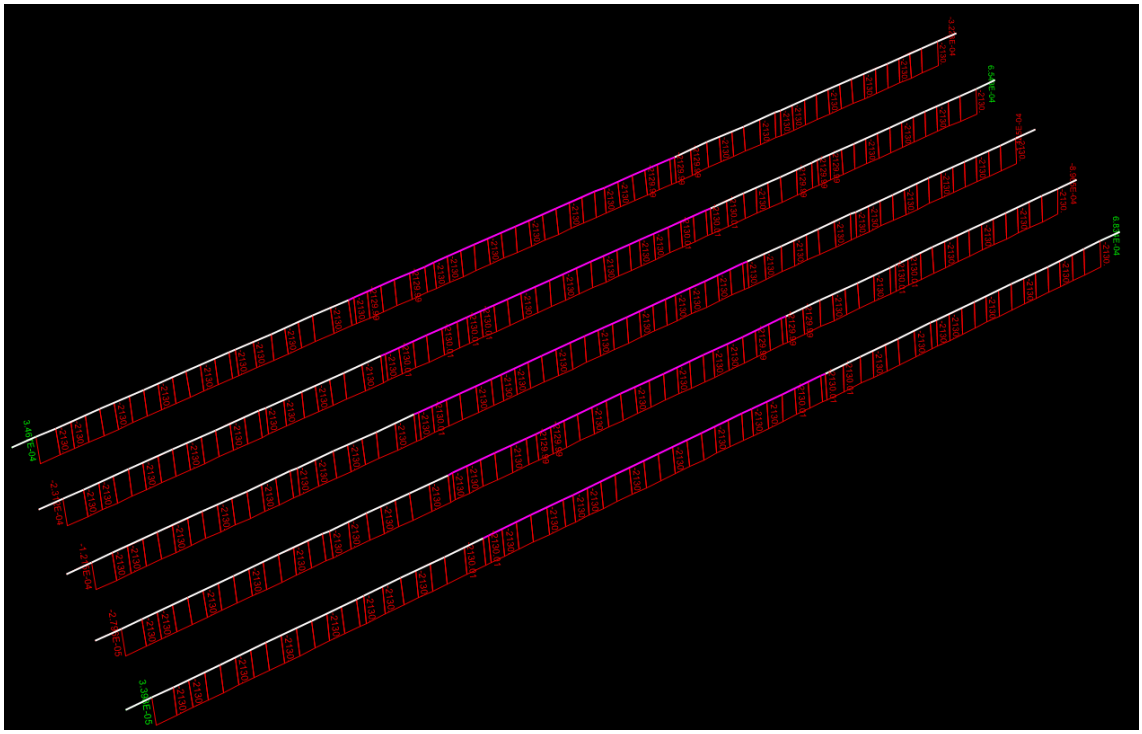


Figura 30 – Sforzo normale sulle travi per azioni equivalenti al ritiro – fase 1C.

Carichi variabili – Fase 2

Vento

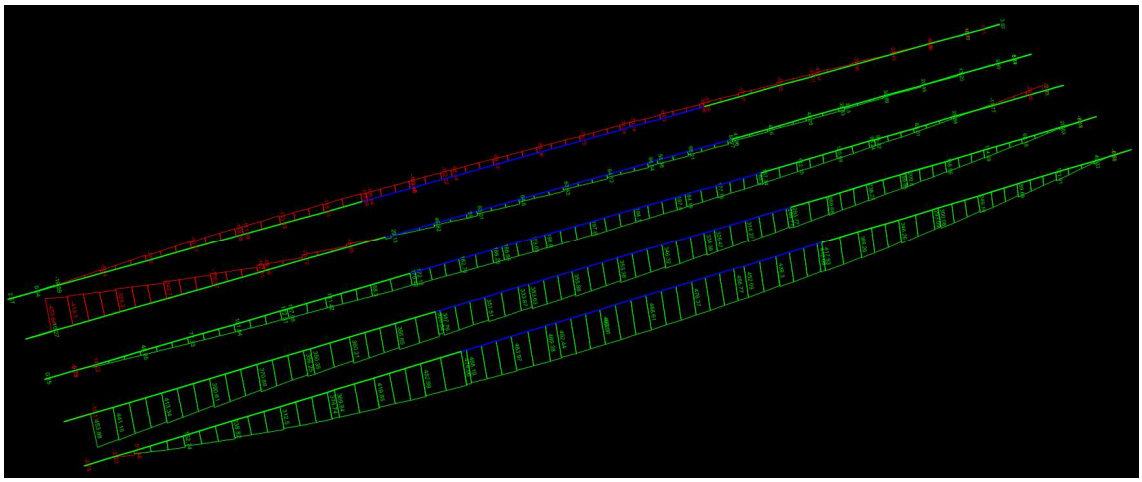


Figura 31 – Momento flettente sulle travi per carichi variabili (vento) – fase 2.

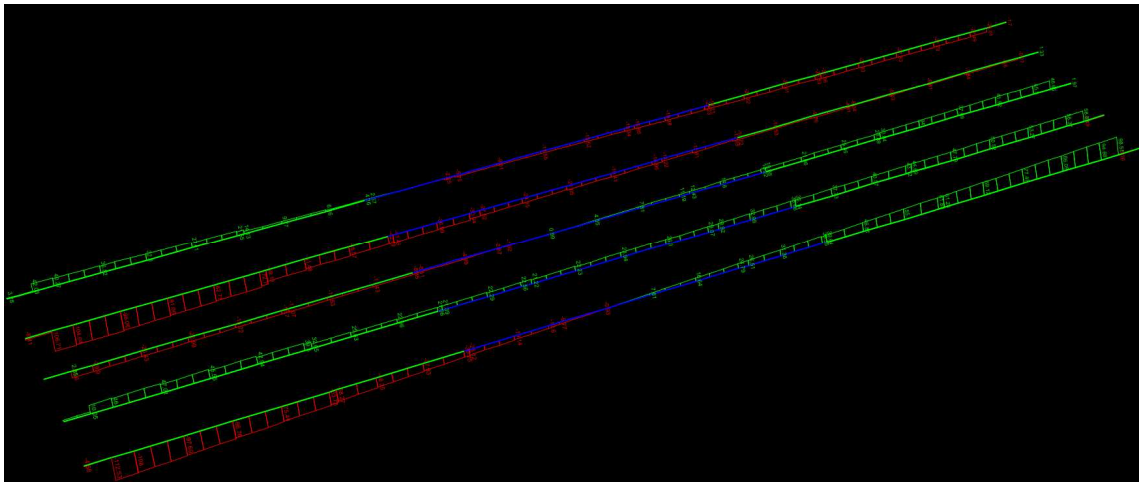


Figura 32 – Taglio sulle travi per carichi variabili (vento) – fase 2.

Variabili da traffico – gruppo 1

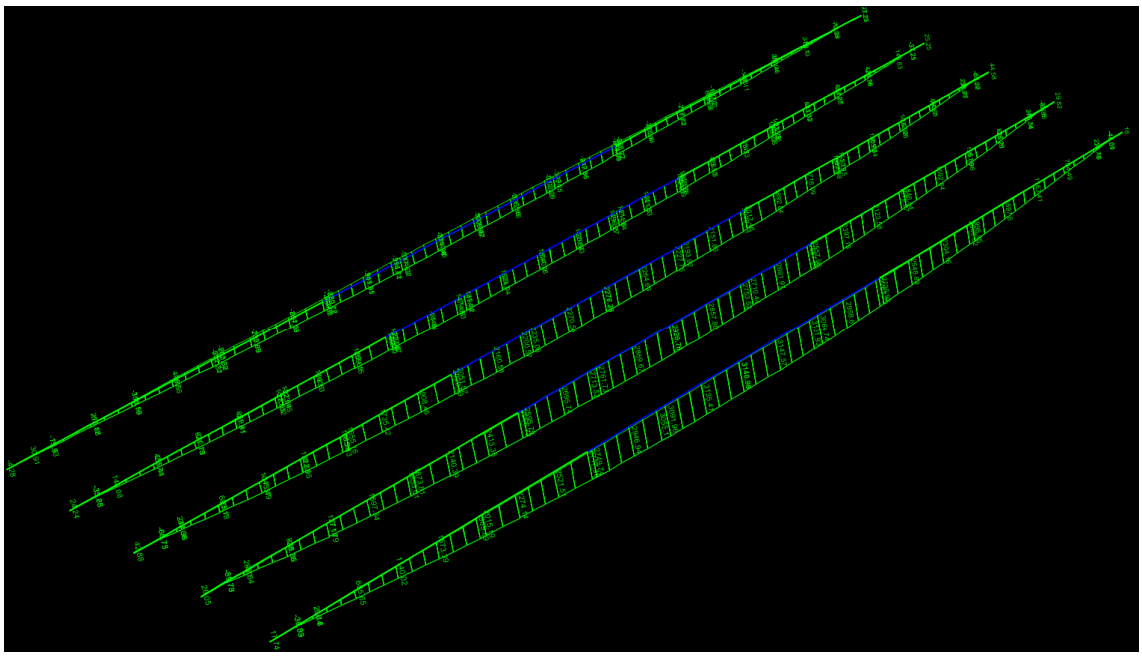


Figura 33 – Momento flettente sulle travi per carichi variabili (traffico-gruppi 1-momento max) – fase 2.

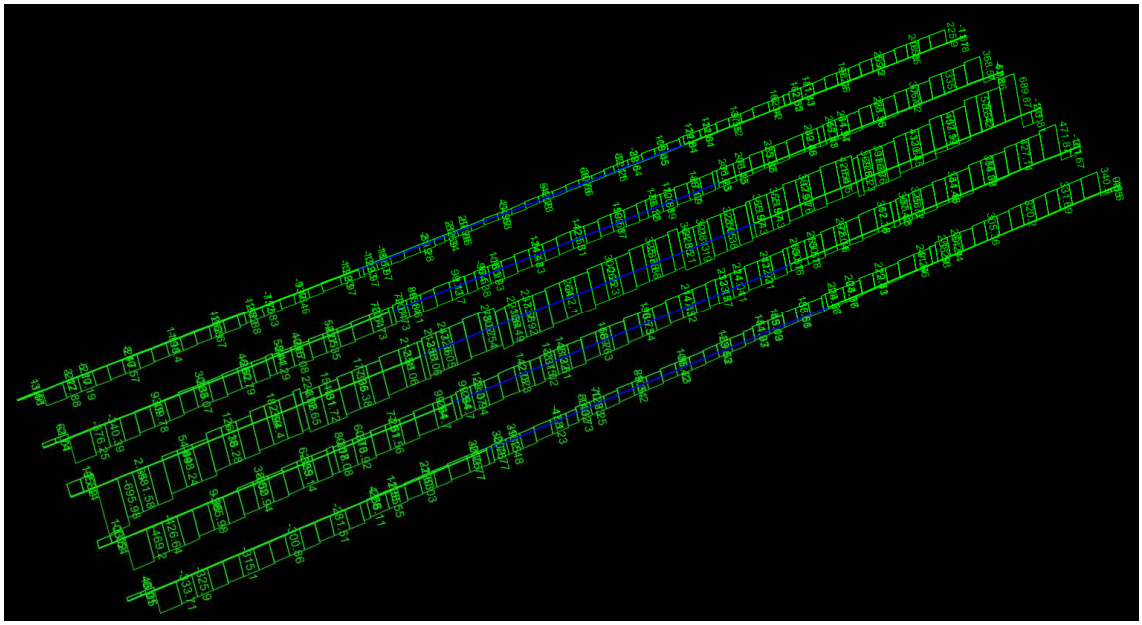
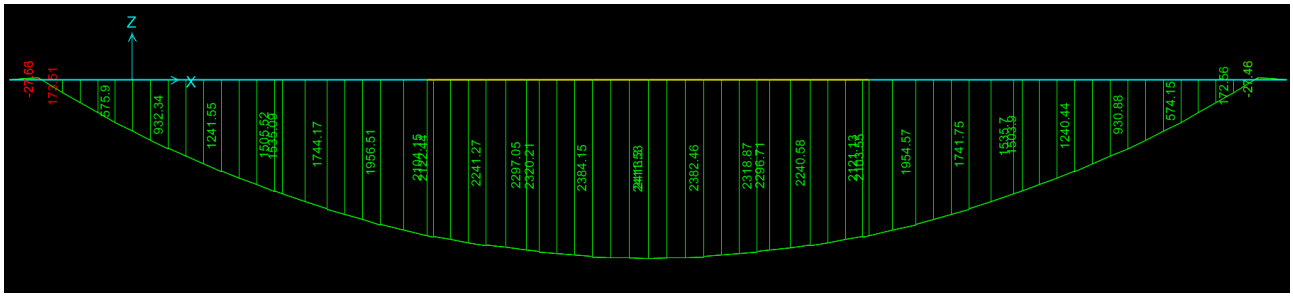


Figura 34 – Taglio sulle travi per carichi variabili (traffico-gruppi 1-taglio max) – fase 2.

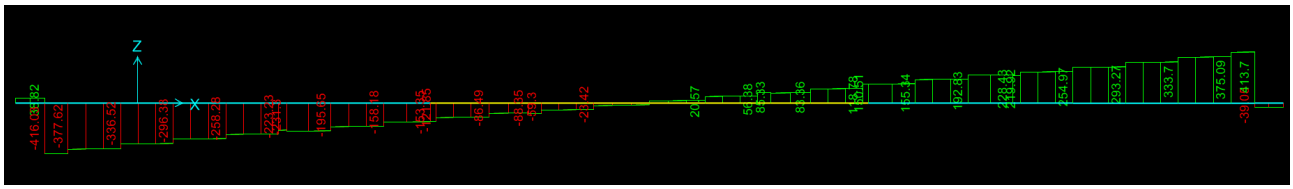
5.3.3 Sollecitazioni travi combinazione SLU

Le sollecitazioni qui esposte sono relative alla combinazione di inviluppo SLU_STR_ENV per la trave di riva T5.

FASE 0 (T5)



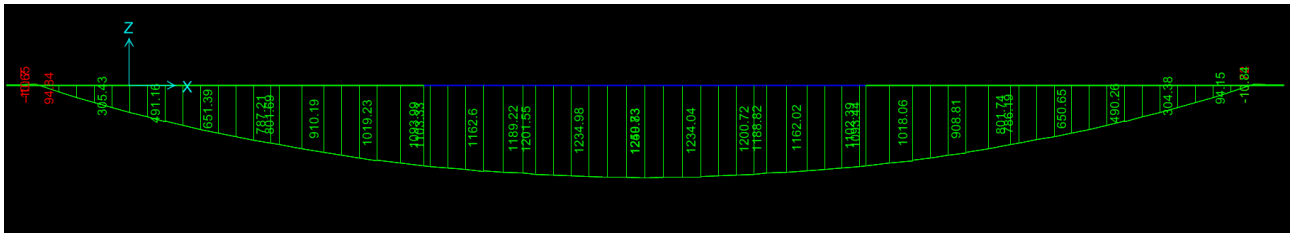
M,max = 2412 kNm



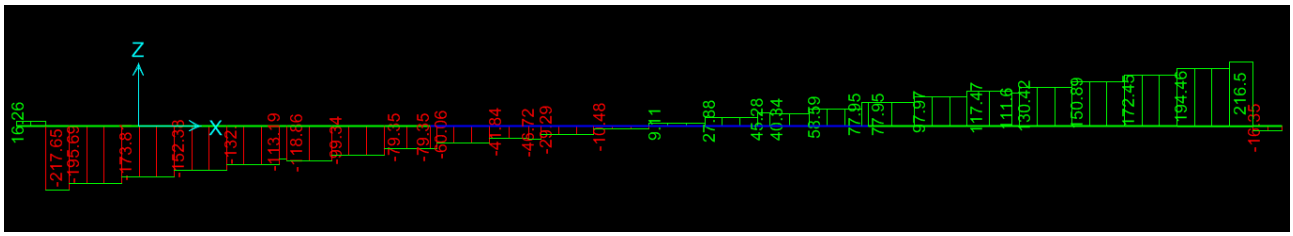
V,max = 413.7 kN

V,min = -412.0 kN

FASE 1A (T5)



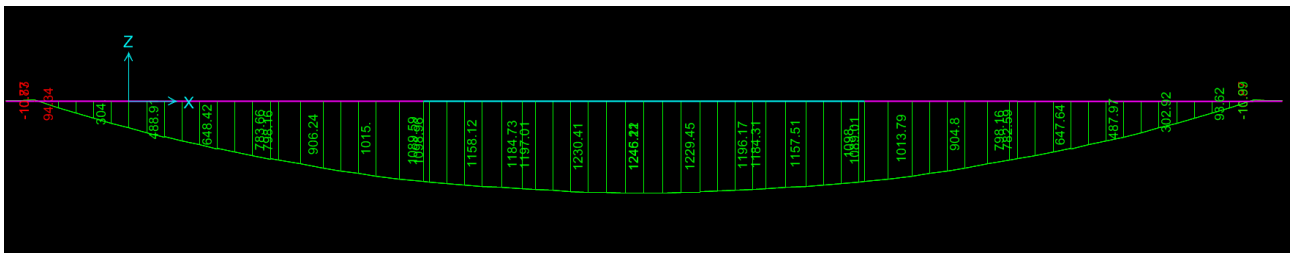
M,max = 1250 kNm



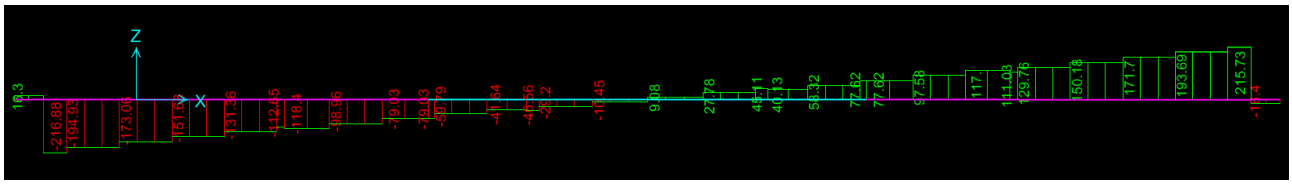
V,max =217.5 kN

V,min = -217.7 kN

FASE 1B (T5)



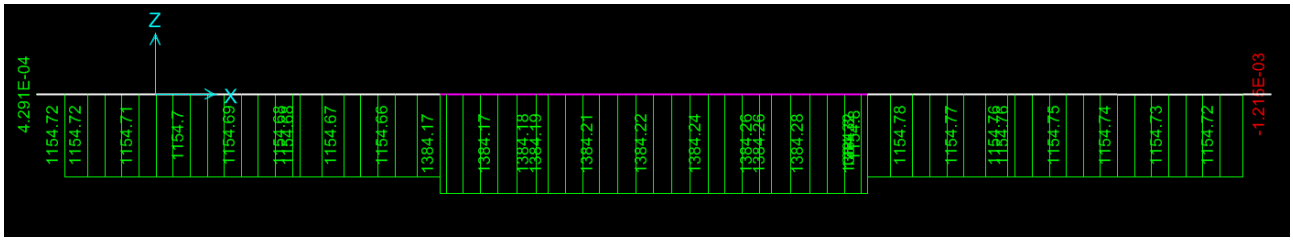
M,max = 1246 kNm



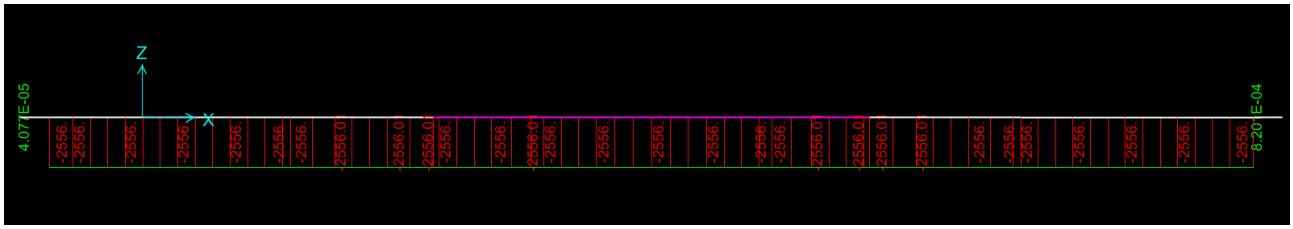
V,max =215.7 kN

V,min = -216.9 kN

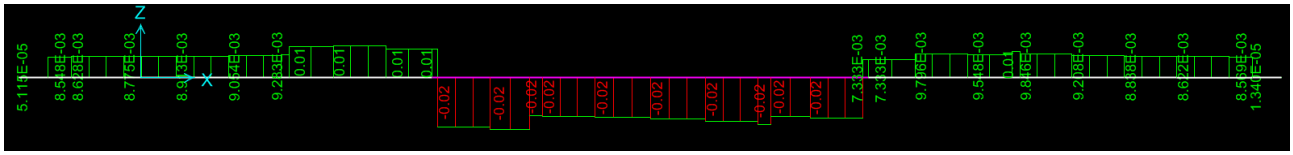
FASE 1C (T5)



M,max = 1384 kNm



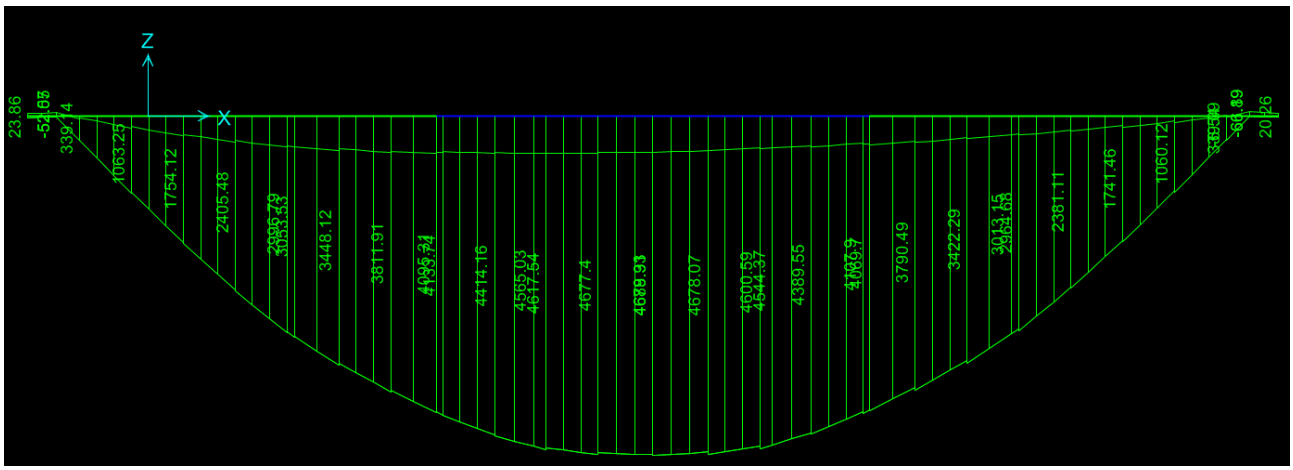
N,max = -2556 kN



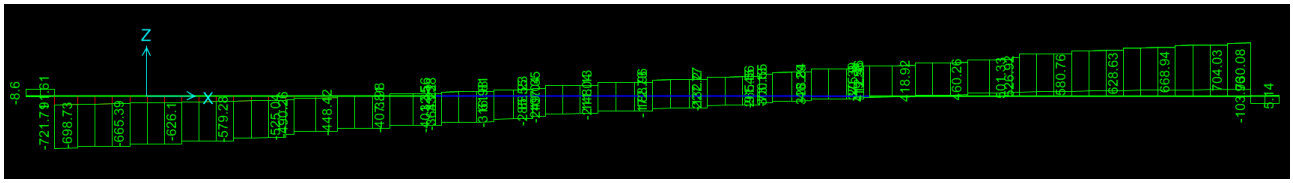
V,max =0.013 kN

V,min = -0.02 kN

FASE 2 (T5)



M,max = 4688 kNm

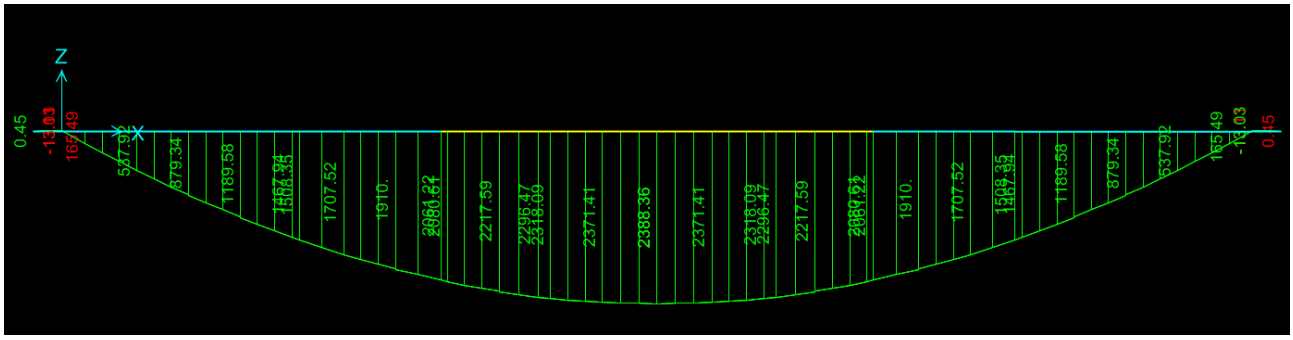


V,max = 730 kN

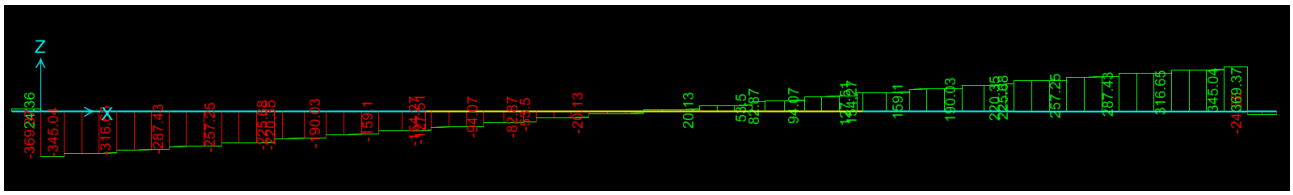
V,min = -722 Kn

Le sollecitazioni qui esposte sono relative alla combinazione di inviluppo SLU_STR_ENV per la trave di spina T3.

FASE 0 (T3)



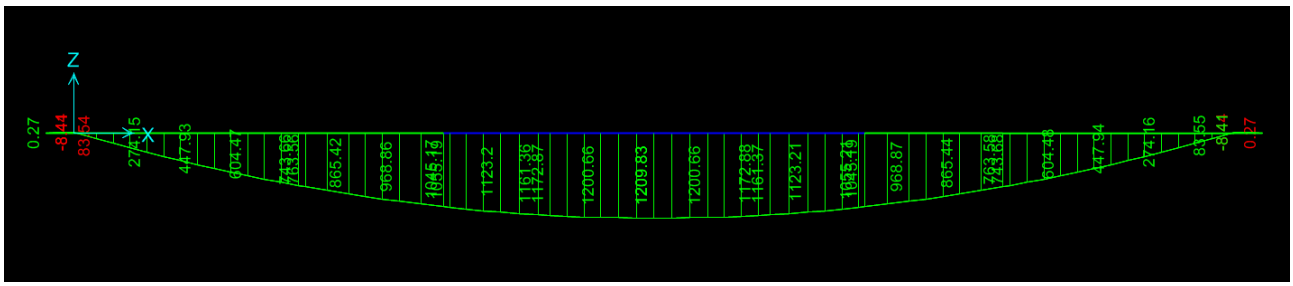
M,max = 2388 kNm



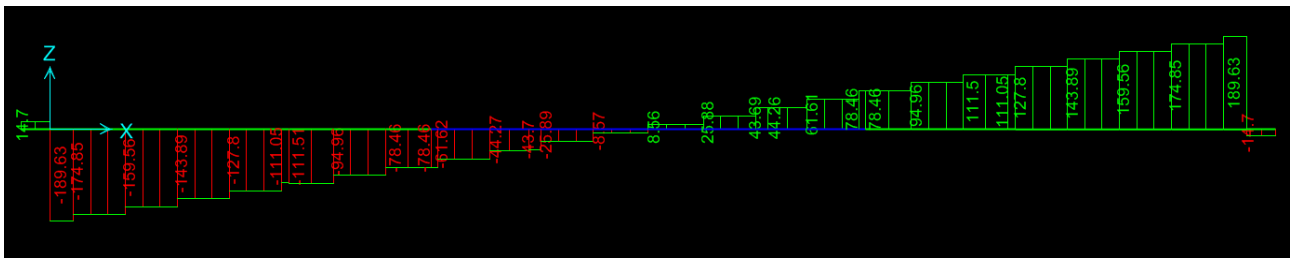
V,max = 369.4 kN

V,min = -369.4 kN

FASE 1A (T3)



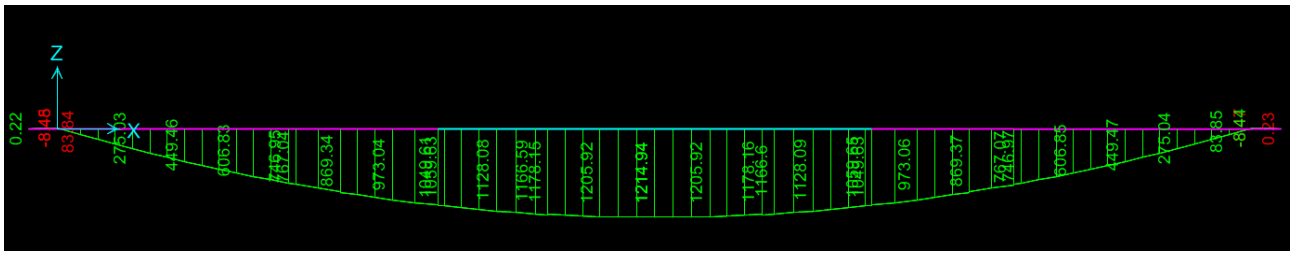
M,max = 1210 kNm



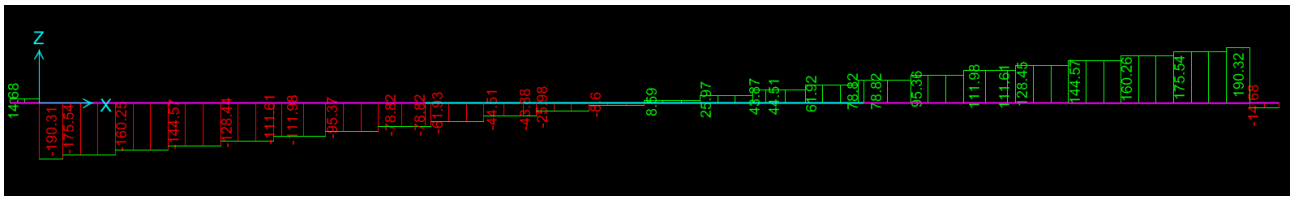
V,max =189.6 kN

V,min = -189.6 kN

FASE 1B (T3)



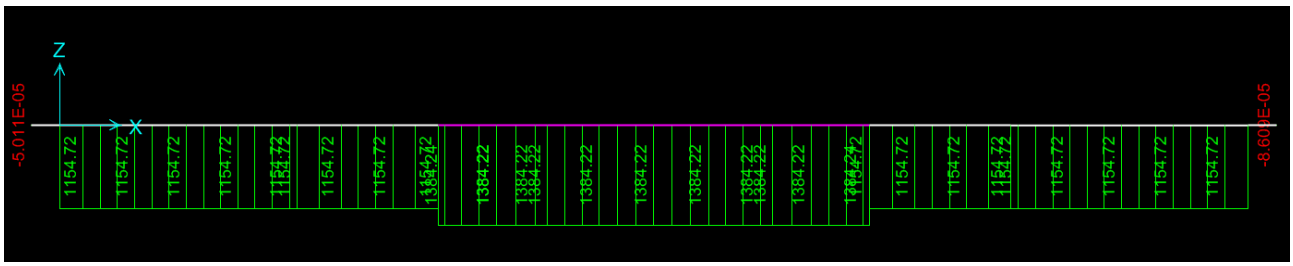
M,max = 1215 kNm



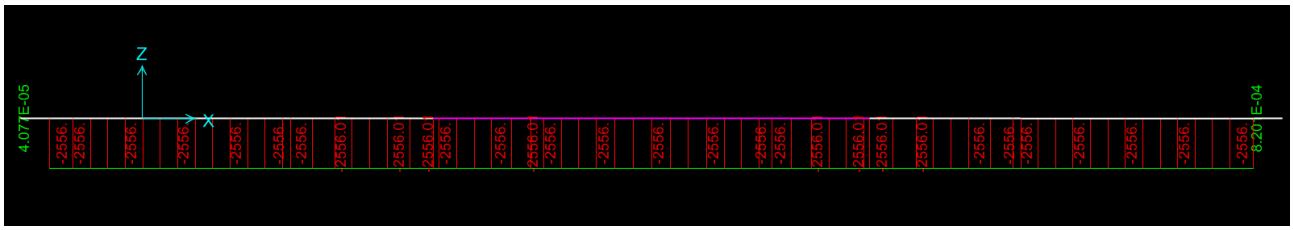
V,max =190.3 kN

V,min = -190.3 kN

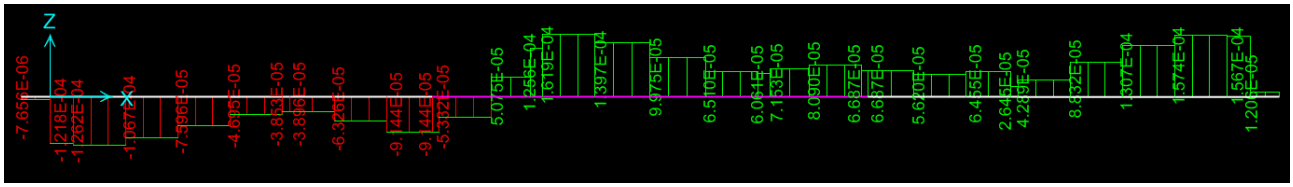
FASE 1C (T3)



M,max = 1384 kNm



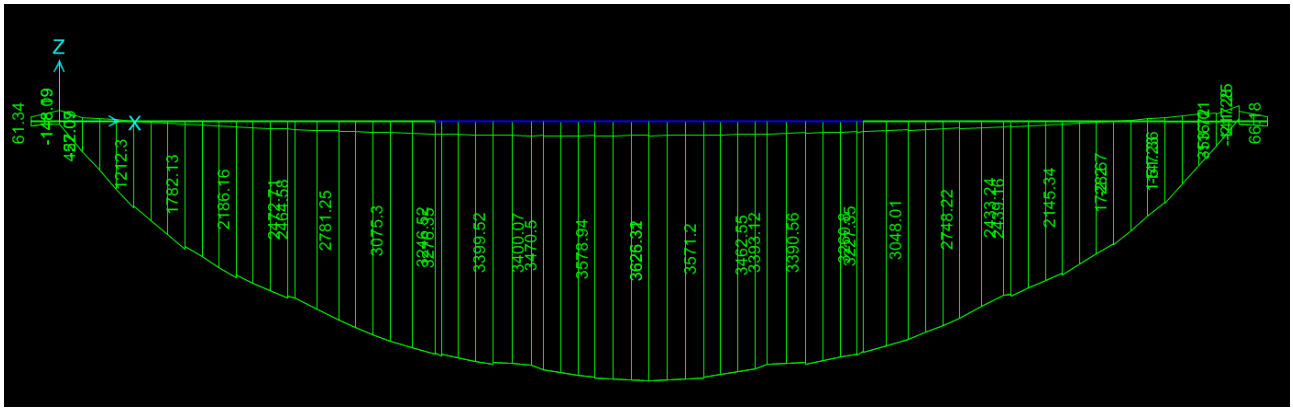
N,max = 2556 kN



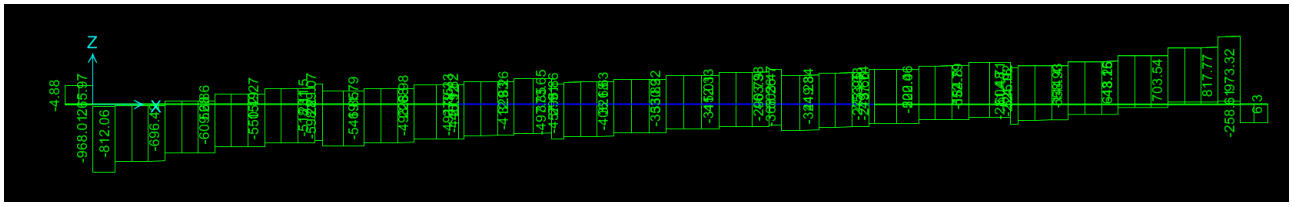
V,max =0.00 kN

V,min = 0.00 kN

FASE 2 (T3)



M,max = 3625 kNm



V,max = 973 kN

V,min = -968 kN

5.3.4 Accettabilità dei risultati: validazione sollecitazioni trave di riva – carichi da traffico (fase 2)

Si riporta di seguito il confronto tra il momento flettente in mezzeria della trave di riva calcolato mediante analisi semplificata e quello determinato con modello di calcolo.

Nella risoluzione dell'impalcato la ripartizione dei carichi tra le travi è avvenuta attraverso il *metodo di Courbon*. Il grafico che segue mostra il diagramma dei coeffcienti di ripartizione per le travi di riva in cui la posizione del carico variabile è variabile (linea di inflenza dei coefficienti di ripartizione).

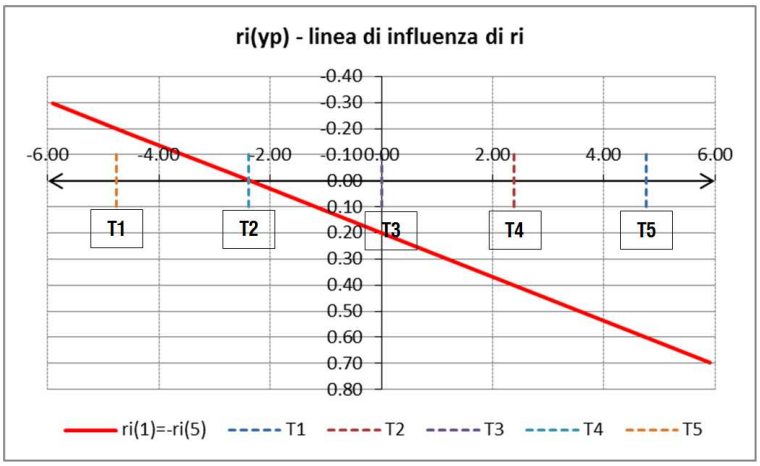


Figura 35 – Linea di influenza coefficiene di Courbon – trave di riva.

La tabella successiva mostra i valori dei coefficienti di ripartizione per le azioni del gruppo 1:

Carichi	*Folla 1*	*Corsia 1*	*Corsia 2*	*Corsia 3*	*P. R.*	*Folla 2*
x (m)	5.9	3.25	0.25	-2.75	-4.5	-5.9
r(1)=-r(5)	0.70	0.47	0.22	-0.03	-0.18	-0.30

Per la determinazione delle sollecitazioni flettenti e taglianti si ricorre al calcolo dei carichi equivalenti a flessione e taglio. Si definisce carico equivalente q_{eq} di un carico iniziale q_1 un carico distribuito costante che ha, relativamente ad una particolare grandezza in una sezione gli stessi effetti del carico q_1 considerato nella posizione peggiore.

La trave di riva ha uno schema statico appoggio-appoggio, percui la massimizzazione del momento flettente avviene applicando i carichi distrubuiti su tutta la campata ed i carichi concentrati in mezzeria (dato che si tratta di carichi tandem, i due assi saranno distanziati di a=1.20 m). Stessa cosa dicasi per il taglio ma con applicazione del carico concentrato in prossimità di uno dei due appoggi.

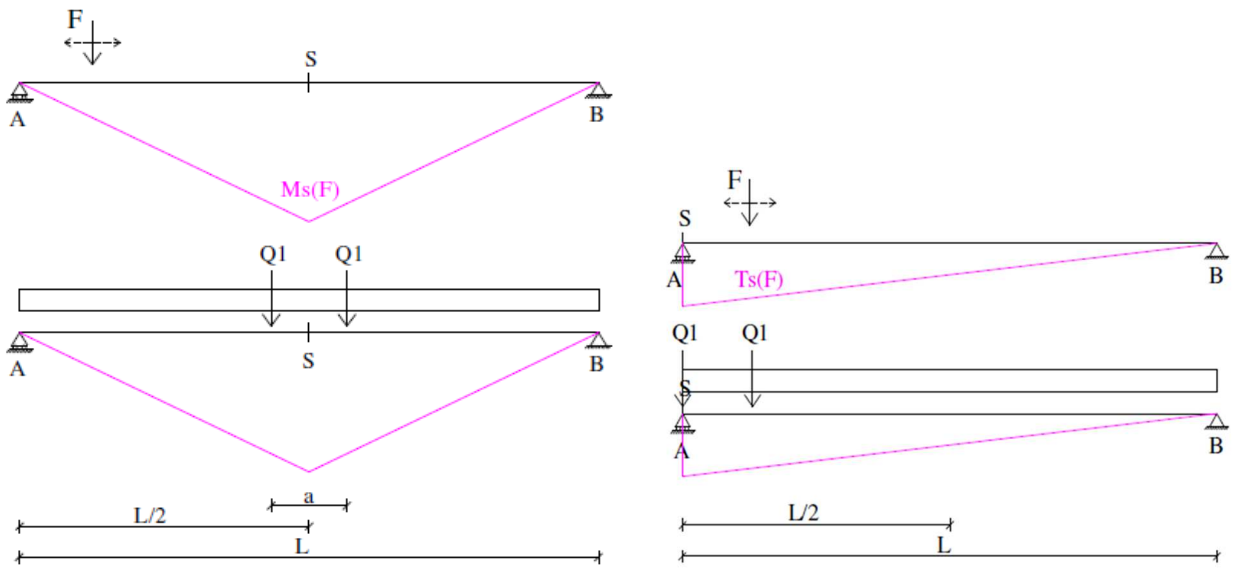


Figura 36 – Linee di influenza di momento flettente (sinistra), taglio (destra) e carichi equivalenti.

I carichi variabili da traffico considerati per la trave di riva sono riportati di seguito.

Schema 1	Carico	L corsia (m)	r1(ypi)	Carichi equivalenti sulla trave
Folla 1	2.5	1.4	0.7	2.4 kN/m
Corsia 1 - q1	9	3	0.5	12.8 kN/m
Corsia 1 - Q1	300		0.5	142.1 kN
Corsia 2 - q2	2.5	3	0.2	1.7 kN/m
Corsia 2 - Q2	200		0.2	44.2 kN
Corsia 3 - q3	2.5	3	0.0	-0.2 kN/m
Corsia 3 - Q3	100		0.0	-3.2 kN
Corsia R - qr	0	0.5	-0.2	0.0 kN/m
Folla 2	0	1.4	-0.3	0.0 kN/m

Facendo l'equivalenza con il momento in mezzeria di una trave semplicemente appoggiata lunga $L_\perp$ e sottoposta ad un carico uniforme pari a $q_{eq,m}$, si ottiene:

$$q_{eq,m} = q + \frac{8Q}{L^2}\left(\frac{L}{2} - \frac{a}{2}\right) = 46.8\ kN/m$$

Facendo l'equivalenza con il taglio di una trave semplicemente appoggiata lunga $L_\perp$ e sottoposta ad un carico uniforme pari a $q_{eq,t}$, si ottiene:

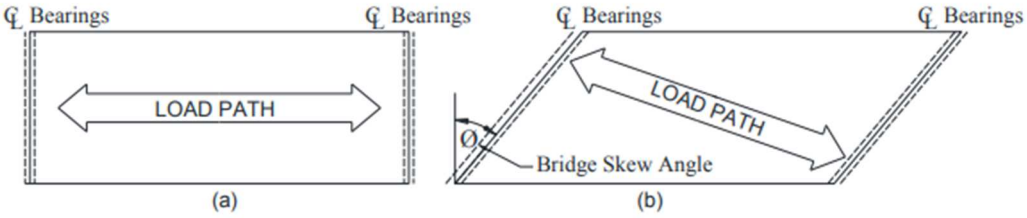
$$q_{eq,t} = q + \frac{2Q}{L}\left(2 - \frac{a}{L}\right) = 47.7\ kN/m$$

Dove:

q: carico di corsia;

Q: carico assiale (tandem);

$L_{\perp} = 23.0\ m$: luce di calcolo perpendicolare ai traversi. Dato che sia trave che traversi sono dotati di una certa rigidezza torsionale, la distibuzione degli sforzi nelle aste diviene alquanto diversa rispetto a quella che si avrebbe per una travata simile ma retta; tali differenze non possono essere trascurate per obliquità superiori a 20°, come nel caso oggetto di studio. Per tale motivo si considera la luce perpendicolare ai traversi di testata (si veda figura sotto).



$a = 1.20\ m$: distanza assi tandem (direzione longitudinale).

Si considerano i carichi derivanti dallo Schema 1, in quanto più gravoso per il dimensionamento della trave di riva.

Il momento flettente, non fattorizzato, che si ottiene dal calcolo manuale è pari a:

$$M_{Ed,calc} = \frac{q_{eq,m} \cdot L^2}{8} = 3100\ kNm$$

Il diagramma del momento flettente, non fattorizzato, della trave di riva ottenuto attraverso il modello di calcolo descritto in precedenza, è riportato di seguito:

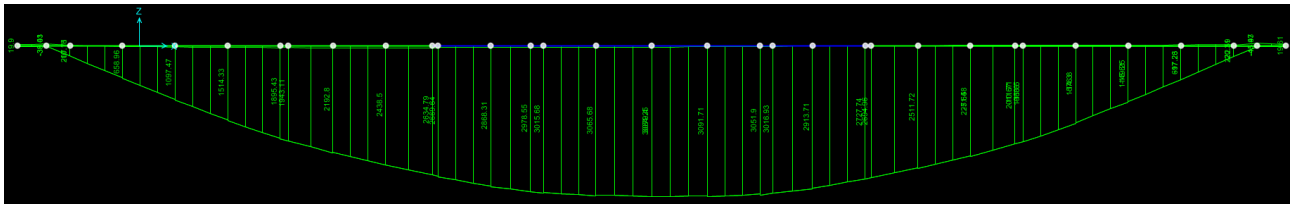


Figura 37 – Momento flettente trave di riva soggetta a carichi variabili da traffico (modello FEM).

Si evince che il massimo momento in mezzeria è pari a:

$$M_{Ed,modello} = 3092\ kNm$$

I due valori ottenuti hanno un errore relativo pari a 0.3 %.

Il taglio, non fattorizzato, che si ottiene dal calcolo manuale è pari a:

$$M_{Ed,calc} = \frac{q_{eq,t} \cdot L}{2} = 548\ kNm$$

Il diagramma del taglio, non fattorizzato, della trave di riva ottenuto attraverso il modello di calcolo descritto in precedenza, è riportato di seguito:

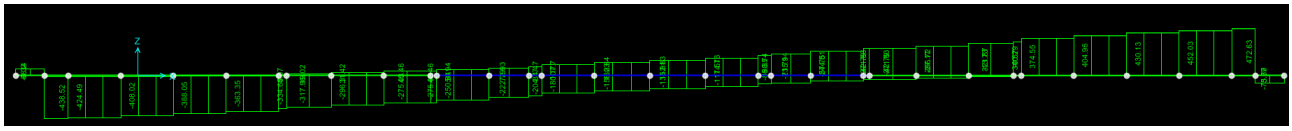


Figura 38 – Taglio trave di riva soggetta a carichi variabili da traffico (modello FEM).

Si evince che il massimo taglio agli appoggi è pari a:

$$V_{Ed,modello} = 475\ kNm$$

I due valori ottenuti hanno un errore relativo pari a 13 %.

Sulla base dei risultati ottenuti, trovando riscontro nella trattazione teorica classica fornita dal testo *Progettazione e costruzione di ponti (IV edizione) di M.P. Petrangeli*, si traggono le seguenti considerazioni in merito alla validità dei valori ricavati con il software di calcolo:

- la riduzione del momento flettente è un chiaro effetto della rimozione dell'ipotesi di presenza di infiniti traversi rigidi a flessione in quanto la ripartizione trasversale dei carichi è fortemente condizionata proprio dalla rigidezza dei traversi stessi. Nel modello agli elementi finiti invece i carichi agenti si ripartiscono sulle travi in base alle effettive rigidezze del graticcio con conseguente riduzione dei valori esterni della sollecitazione nella trave di bordo;
- si osserva la diminuzione delle reazioni verticali, che al limite possono divenire negative, in corrispondenza degli angoli acuti;
- si osserva l'aumento delle reazioni e del taglio in corrispondenza degli angoli ottusi;
- si osserva l'aumento considerevole degli sforzi di torsione nelle travi e nei traversi.

<u>Si conferma pertanto l'attendibilità dei risultati</u> ottenuti con il modello tridimensionale agli elementi finiti:

5.4 VERIFICHE DELLA TRAVE PRINCIPALE A SEZIONE MISTA

La verifica della sezione mista per la trave principale di riva viene elaborata attraverso il software di calcolo denominato ImpalcatoGraticcioSuite, che permette l'inserimento delle caratteristiche geometriche della sezione in acciaio, della soletta ed i coeff. di omogeneizzazione per tenere in conto di tutte le fasi presenti.

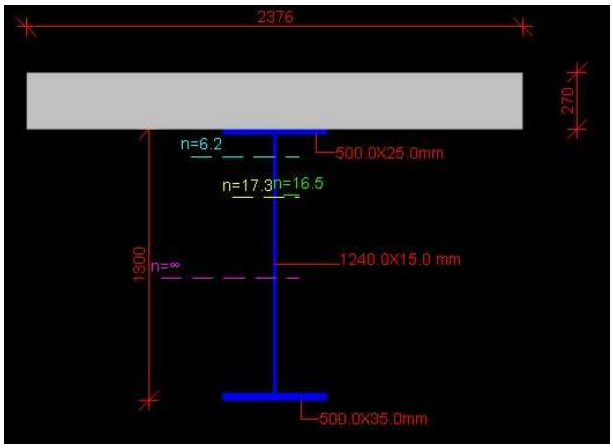
Il metodo che si segue è il metodo elastico per sovrapposizione di tensioni tenendo conto delle fasi di costruzione.

A seguire si riportano i risultati di verifica della trave di riva, ovvero la trave che risulta maggiormente sollecitata.

5.4.1 Caratteristiche della sezione tipo

ZONA DI APPOGGIO – primo quarto di trave – Concio 1 – luce di calcolo totale 24.80 m

Sezione di verifica SA1



DATI SEZIONE

Sezione	SA1
Concio metallico	C1
Soletta	S1
Area barre in acciaio: Af (mm²)	3658.0

SOLETTA A T

Larghezza collaborante soletta in cls: B...	2376.0
Spessore soletta in cls: H (mm)	270.0
Spessore soletta in cls: h (mm)	0.0
Larghezza soletta in cls: b (mm)	0.0
Larghezza pioli: b0 (mm)	0.0

TRAVE METALLICA A DOPPIO T

Larghezza ala superiore: bs (mm)	500.0
Spessore ala superiore: ts (mm)	25.0
Spessore anima trave: tw (mm)	15.0
Altezza totale trave: H (mm)	1300.0
Larghezza ala inferiore trave in acciaio:...	500.0
Spessore ala inferiore trave in acciaio: ...	35.0

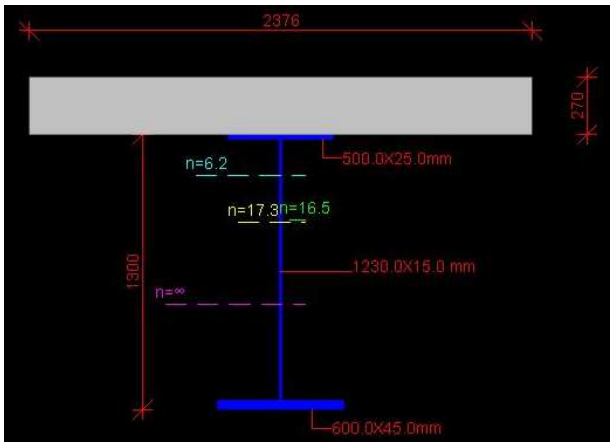
CARATTERISTICHE SEZIONI

	n0 = inf.	n1 = 6.2	n2 = 17.3	n3 = 16.5	n4 = 1.0E22
A (mm²)	48.600	155.728,968	89.340,081	91.138	52.258
yg (mm)	711,872	129,293	325,689	316,601	652,592
J (mm4)	14.281.194.609,053	38.887.604.940,139	30.401.002.343,426	30.785.977.433,211	16.721.044.867,006
Jw (mm4)	11.145.000	1.268.317.258,065	461.692.283,237	483.537.000	11.145.000
A(-) (mm²)	48.600	52.258	52.258	52.258	52.258
yg(-) (mm)	711,872	652,592	652,592	652,592	652,592
J(-) (mm4)	14.281.194.609,053	16.721.044.867,006	16.721.044.867,006	16.721.044.867,006	16.721.044.867,006
Jw(-) (mm)	11.145.000	1.268.317.258,065	461.692.283,237	483.537.000	11.145.000

La sezione metallica risulta essere di classe 3

ZONA DI MEZZERIA –parte di mezzeria della trave – Concio 2– luce di calcolo totale 24.80 m

Sezione di verifica SA2



DATI SEZIONE

Sezione	SA2
Concio metallico	C2
Soletta	S2
Area barre in acciaio: Af (mm²)	3658.0

SOLETTA A T

Larghezza collaborante soletta in cls: B...	2376.0
Spessore soletta in cls: H (mm)	270.0
Spessore soletta in cls: h (mm)	0.0
Larghezza soletta in cls: b (mm)	0.0
Larghezza pioli: b0 (mm)	0.0

TRAVE METALLICA A DOPPIO T

Larghezza ala superiore: bs (mm)	500.0
Spessore ala superiore: ts (mm)	25.0
Spessore anima trave: tw (mm)	15.0
Altezza totale trave: H (mm)	1300.0
Larghezza ala inferiore trave in acciaio:...	600.0
Spessore ala inferiore trave in acciaio: ...	45.0

CARATTERISTICHE SEZIONI

	n0 = inf.	n1 = 6.2	n2 = 17.3	n3 = 16.5	n4 = 1.0E22
A (mm²)	57.950	165.078,968	98.690,081	100.488	61.608
yg (mm)	801,67	193,812	415,005	405,164	746,054
J (mm4)	16.711.571.388,41	50.334.647.028,961	37.925.017.285,952	38.470.088.263,952	19.730.360.872,289
Jw (mm4)	22.212.916,667	1.279.385.174,731	472.760.199,904	494.604.916,667	22.212.916,667
A(-) (mm²)	57.950	61.608	61.608	61.608	61.608
yg(-) (mm)	801,67	746,054	746,054	746,054	746,054
J(-) (mm4)	16.711.571.388,41	19.730.360.872,289	19.730.360.872,289	19.730.360.872,289	19.730.360.872,289
Jw(-) (mm)	22.212.916,667	1.279.385.174,731	472.760.199,904	494.604.916,667	22.212.916,667

5.4.2 Verifica delle tensioni statiche e di fatica SLU

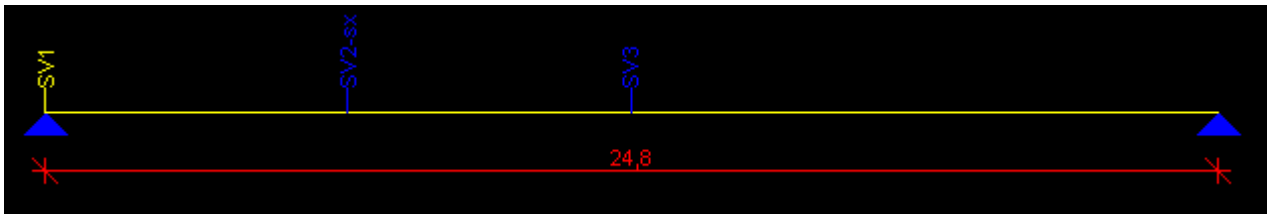
La verifica della sezione tipo viene impostata su tre punti:

1- SV1 – sezione di verifica 1 - Punto di appoggio – la sezione è caratterizzata dal concio 1 – sezione tipo SA1.

2- SV2 – sezione di verifica 2 - Punto di giunto tra concio 1 e concio 2 – la sezione di verifica che si prende in considerazione è quella del concio 1 andando a favore di sicurezza. – sezione tipo SA1.

3- SV3 – sezione di verifica 3 - Punto di mezzeria – la sezione è caratterizzata dal concio 2 – sezione tipo SA2.

SEZIONE DI VERIFICA SV1



DATI SEZIONE VERIFICA

Sezione	SV1
Concio metallico	C1
Soletta in c.a.	S1
Ascissa di verifica sezione: x(m)	0.0
Area armatura: A(mm²)	3658.0

CONDIZIONI DI CARICO

Cond.	n	N (kN)	V (kN)	M (kNm)	σcls(kN)	Mtor(kNm)
F0	0	0	415	-30	0	0
F1B	2	0	220	-15	0	0
F1C	3	2.560	0	1.155	-3,151	0
F2	1	0	730	-55	0	0
F2_fat_1	1	0	230	-20	0	0
F1A	1	0	220	-15	0	0

Dove: F0 – fase 0; F1A – fase 1a; F1B – fase 1b; F1C – fase 1c; F2 – fase 2; F2_fat1 – fase 2 per carico fatica 1.

Si fa notare che le sollecitazioni sono riferite alle combinazioni SLU_STR_ENV (F0,F1A, F1B, F1C, F2) e SL_FAT1_ENV (F2_fat_1).

Inoltre, il significato dei simboli delle sollecitazioni e le convenzioni sui segni seguono le seguenti regole:

- La forza assiale N (kN), positiva se di compressione;
- L'azione tagliante verticale V (kN);
- Il momento flettente M (kNm), positivo se tende le fibre inferiori;
- La tensione di deformazione impedita nel calcestruzzo, σ_{cls} (MPa), positiva se di compressione, relative alle condizioni di carico autoequilibrate come ritiro;

- Il momento torcente M_{tor} (kNm), solo per sezioni scatolari chiuse.

COMBINAZIONI DI CARICO

Condizione	SLU_t,inf	F0	F1B	F1C	F2	F2_fat_1	SLU_t,inz.	F1A
F0	1	1	0	0	0	0	1	0
F1B	1	0	1	0	0	0	0	0
F1C	1	0	0	1	0	0	0	0
F2	1	0	0	0	1	0	1	0
F2_fat_1	0	0	0	0	0	1	0	0
F1A	0	0	0	0	0	0	1	1

Si tengono in considerazione i due istanti di verifica: quella allo stato iniziale SLU_t,iniz. (a maturazione della soletta) e quella allo stato finale SLU_t,inf (a tempo infinito tenendo conto dei fenomeni lenti)

SLU_t,iniz. → F0 + F1A + F2

SLU_t,inf → F0 + F1B + F1C + F2

SLU_fatica 1 → F2_fat_1

Si fa notare che le oscillazioni di tensione per fatica sono prodotte solo dai carichi di fatica e non da altri carichi.

Cond.	σ_c (MPa)	σ_f (MPa)	σ_{ss} (MPa)	σ_s (MPa)	σ_i (MPa)	σ_{ii} (MPa)	t_s (MPa)	t_i (MPa)	σ_{ids} (MPa)	σ_{idi} (MPa)
F0	0.0	0.0	-1.5	-1.4	1.2	1.2	16.9	19.3	29.4	33.5
F1A	-0.1	-0.7	-0.6	-0.6	0.5	0.6	9.5	9.7	16.5	16.8
F1B	0.0	-0.7	-0.6	-0.6	0.5	0.6	9.5	9.7	16.5	16.8
F1C	-0.1	45.0	40.0	39.0	-7.5	-8.8	0.0	0.0	39.0	7.5
F2	-0.5	-2.6	-2.1	-2.1	2.0	2.1	31.7	32.1	54.9	55.6
F2_fat_1	-0.2	-0.9	-0.8	-0.8	0.7	0.8	10.0	10.1	17.3	17.5
SLU_t,inz.	-0.6	-3.3	-4.2	-4.1	3.7	3.9	58.2	61.1	100.8	105.9
SLU_t,inf	-0.2	44.4	38.1	37.3	-4.3	-5.4	65.1	52.7	118.8	91.3

Nella tabella superiore sono riportate le tensioni presenti nella sezione di verifica soggetta alle sollecitazioni di progetto.

σc – tensione nel cls

σf – tensione nelle barre di armatura

σss – tensione nell'estradosso della piattabanda sup. della sezione metallica

σs – tensione nell'intradosso della piattabanda sup. della sezione metallica

σi – tensione nell'estradosso della piattabanda inf. della sezione metallica

σii – tensione nell'intradosso della piattabanda inf. della sezione metallica

τs – tensione di taglio dell'anima nella parte di estradosso della sezione metallica

τi – tensione di taglio dell'anima nella parte di intradosso della sezione metallica

σids – tensione ideale (von mises) nell'estradosso della piattabanda sup. della sezione metallica

σidi – tensione ideale (von mises) nell'intradosso della piattabanda inf. della sezione metallica

Si può notare che nella colonne relative alle tensioni sopra esposte, non si oltrepassa mai le tensioni di progetto :

- Resistenza di progetto acciaio da carpenteria - tensione normale:
  - per t ≤ 40 mm: fyd = fyk / 1.05 = 355/1.05 = 338 MPa;
  - per 40 mm < t ≤ 80 mm: fyd = fyk / 1.05 = 335/1.05 = 319 MPa.
- Resistenza di progetto acciaio da carpenteria - tensione di taglio:
  - per t ≤ 40 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 355 /((3 ^ 0.5) * 1.05) = 195.2 MPa;
  - per 40 mm < t ≤ 80 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 335 /((3 ^ 0.5) * 1.05) = 184.2MPa.
- Resistenza di progetto a compressione: fcd = 0.85 * fck / 1.50 = 0.85 * 35 / 1.05 =19.8 MPa.
- Resistenza di progetto armatura c.a.: fyd = fyk / 1.15 = 430 / 1.15 = 373.4 MPa.

Si può osservare anche che per ogni fase esecutiva la trave risulta essere sempre verificata.

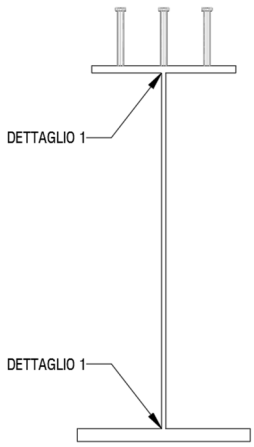
Le verifiche a fatica sono condotte a vita illimitata adottando il modello di carico a fatica 1.

Perla verifica a fatica dei dettagli di carpenteria, si prendono in esame i dettagli elencati alla categoria/numero dettaglio dedotti dalle rispettive tabelle delle NTC2018 + Circ. 2019:

Riferimento NTC 2018 + CIRC. 2019	**Classe di dettaglio**	**Dettaglio costruttivo**	**Descrizione dettaglio**	**ks (-)**	**Δτ (MPa)**	**γ_m (-)**	**$\Delta\tau_D$ (MPa)**
tab. C4.2.XV	80	dett. 8	Saldatura longitudinale piattabande-anima concio 1, 2 e 3	1.0	80.0	1.35	43.7

DETTAGLIO 1 - saldatura longitudinale anima-piattabanda superiore

$\Delta\tau_{am,1}$ (N/mm^2) =	80.0	tab. C4.2.XV
γ_m (-) =	1.35	strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) =	43.7	limite di fatica ad ampiezza costante
Δτ (N/mm^2) =	10.1	Verifica soddisfatta

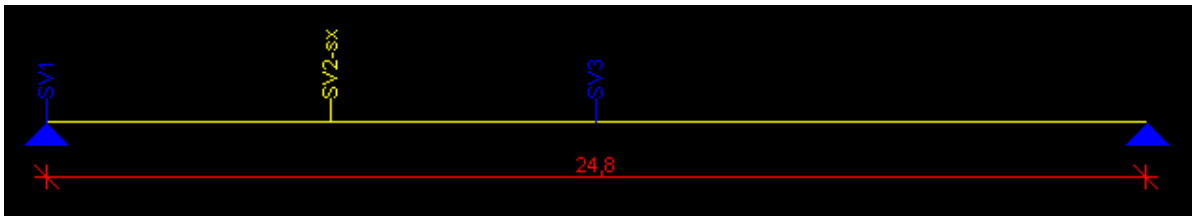


DETTAGLIO 1 - saldatura longitudinale anima-piattabanda inferiore

$\Delta\tau_{am,1}$ (N/mm^2) =	80.0	tab. C4.2.XV
γ_m (-) =	1.35	strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) =	43.7	limite di fatica ad ampiezza costante
Δτ (N/mm^2) =	10.1	Verifica soddisfatta

Le tensioni prodotte da carichi di fatica sono inferiori a tali limiti. Pertanto la verifica a fatica si ritiene soddisfatta.

SEZIONE DI VERIFICA SV2



DATI SEZIONE VERIFICA

Sezione	SV2-sx
Concio metallico	C2
Soletta in c.a.	S2
Ascissa di verifica sezione: x(m)	6.4
Area armatura: A(mm²)	3658.0

CONDIZIONI DI CARICO

Cond.	n	N (kN)	V (kN)	M (kNm)	σcls(kN)	Mtor(kNm)
F0	0	0	200	1.960	0	0
F1B	2	0	100	1.050	0	0
F1C	3	2.560	0	1.155	-3,151	0
F2	1	0	450	3.815	0	0
F2_fat_1	1	0	165	1.330	0	0
F1A	1	0	100	1.020	0	0

Dove: F0 – fase 0; F1A – fase 1a; F1B – fase 1b; F1C – fase 1c; F2 – fase 2; F2_fat1 – fase 2 per carico fatica 1.

Si fa notare che le sollecitazioni sino riferite alla combinazione SLU_STR_ENV.

COMBINAZIONI DI CARICO

Condizione	SLU_t,inf	F0	F1B	F1C	F2	F2_fat_1	SLU_t,inz.	F1A
F0	1	1	0	0	0	0	1	0
F1B	1	0	1	0	0	0	0	0
F1C	1	0	0	1	0	0	0	0
F2	1	0	0	0	1	0	1	0
F2_fat_1	0	0	0	0	0	1	0	0
F1A	0	0	0	0	0	0	1	1

Si tengono in considerazione i due istanti di verifica: quella allo stato iniziale SLU_t,iniz. (a maturazione della soletta) e quella allo stato finale SLU_t,inf (a tempo infinito tenendo conto dei fenomeni lenti)

SLU_t,iniz. → F0 + F1A + F2

SLU_t,inf → F0 + F1B + F1C + F2

SLU_fatica 1 → F2_fat_1

Si fa notare che le oscillazioni di tensione per fatica sono prodotte solo dai carichi di fatica e non da altri carichi.

Cond.	σ_c (MPa)	σ_f (MPa)	σ_{ss} (MPa)	σ_s (MPa)	σ_i (MPa)	σ_{ii} (MPa)	t_s (MPa)	t_i (MPa)	σ_{ids} (MPa)	σ_{idi} (MPa)
F0	0.0	0.0	94.0	91.1	-53.2	-58.4	7.9	10.3	92.1	56.1
F1A	1.5	6.7	3.9	3.4	-21.5	-22.4	5.0	3.9	9.3	22.5
F1B	1.1	15.2	11.5	10.8	-23.3	-24.5	4.8	4.1	13.7	24.3
F1C	-0.4	41.7	37.6	36.9	0.0	-1.4	0.0	0.0	36.9	0.0
F2	5.7	24.9	14.7	12.8	-80.4	-83.8	22.3	17.4	40.8	85.9
F2_fat_1	2.0	8.7	5.1	4.5	-28.0	-29.2	8.2	6.4	14.9	30.1
SLU_t,inz.	7.2	31.6	112.6	107.3	-155.1	-164.7	35.2	31.6	123.4	164.5
SLU_t,inf	6.4	81.8	157.8	151.6	-156.9	-168.2	35.0	31.8	163.3	166.3

Nella tabella superiore sono riportate le tensioni presenti nella sezione di verifica soggetta alle sollecitazioni di progetto.

σc – tensione nel cls

σf – tensione nelle barre di armatura

σss – tensione nell'estradosso della piattabanda sup. della sezione metallica

σs – tensione nell'intradosso della piattabanda sup. della sezione metallica

σi – tensione nell'estradosso della piattabanda inf. della sezione metallica

σii – tensione nell'intradosso della piattabanda inf. della sezione metallica

τs – tensione di taglio dell'anima nella parte di estradosso della sezione metallica

τi – tensione di taglio dell'anima nella parte di intradosso della sezione metallica

σids – tensione ideale (von mises) nell'estradosso della piattabanda sup. della sezione metallica

σidi – tensione ideale (von mises) nell'intradosso della piattabanda inf. della sezione metallica

Si può notare che nella colonne relative alle tensioni sopra esposte, non si oltrepassa mai la tensione di snervamento che è pari a :

- Tensione normale:
  - per t ≤ 40 mm: fyd = fyk / 1.05 = 355/1.05 = 338 MPa;
  - per 40 mm < t ≤ 80 mm: fyd = fyk / 1.05 = 335/1.05 = 319 MPa.
- Tensione di taglio:
  - per t ≤ 40 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 355 /((3 ^ 0.5) * 1.05) = 195.2 MPa;
  - per 40 mm < t ≤ 80 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 335 /((3 ^ 0.5) * 1.05) = 184.2MPa

Si può osservare anche che per ogni fase esecutiva la trave risulta essere sempre verificata.

Le verifiche a fatica sono condotte a vita illimitata adottando il modello di carico a fatica 1 e il modello di carico a fatica 2.

Le verifiche a fatica sono condotte a vita illimitata adottando il modello di carico a fatica 1.

Perla verifica a fatica dei dettagli di carpenteria, si prendono in esame i dettagli elencati alla categoria/numero dettaglio dedotti dalle rispettive tabelle delle NTC2018 + Circ. 2019:

Rif. NTC 2018 + CIRC. 2019	Classe di dettaglio	Dettaglio costruttivo	Descrizione dettaglio	ts (mm)	ks (-)	$\Delta\sigma$ (MPa)	γ_m (-)	$\Delta\sigma_D$ (MPa)
tab. C4.2.XIV	90	dett. 7	Saldatura trasversali piattabande inferiori concio 1-concio 2 e concio 2 concio 3	35	0.9	84.1	1.35	45.9
tab. C4.2.XIV	71	dett. 13	Saldatura trasversali piattabande superiori concio 1-concio 2 e concio 2 concio 3	25	1.0	71.0	1.35	38.8

Riferimento NTC 2018 + CIRC. 2019	Classe di dettaglio	Dettaglio costruttivo	Descrizione dettaglio	ks (-)	$\Delta\tau$ (MPa)	γ_m (-)	$\Delta\tau_D$ (MPa)
tab. C4.2.XV	80	dett. 8	Saldatura longitudinale piattabande-anima concio 1, 2 e 3	1.0	80.0	1.35	43.7

DETTAGLIO 1 - saldatura longitudinale anima-piattabanda superiore

$\Delta\tau_{am,1}$ (N/mm^2) = 80.0 tab. C4.2.XV
γ_m (-) = 1.35 strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) = 43.7 limite di fatica ad ampiezza costante
$\Delta\tau$ (N/mm^2) = 8.2 Verifica soddisfatta

DETTAGLIO 1 - saldatura longitudinale anima-piattabanda inferiore

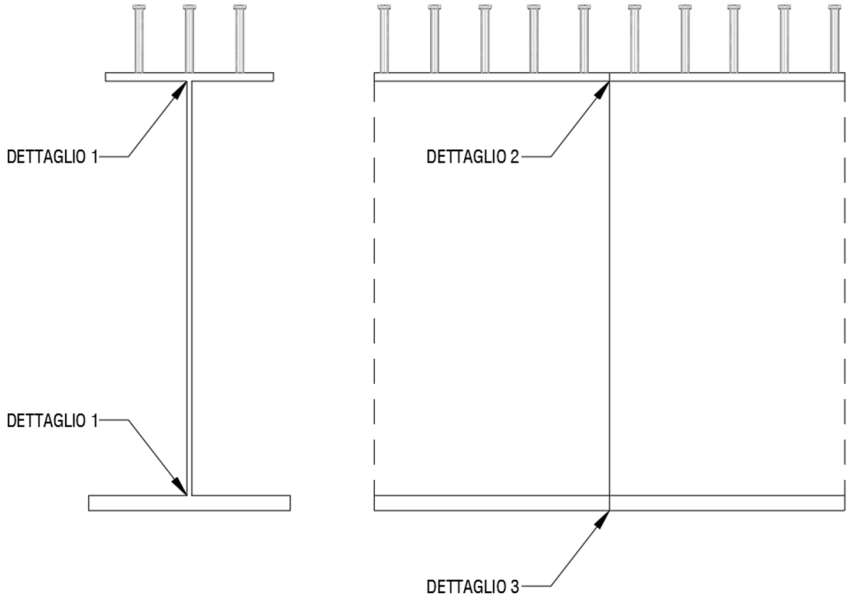
$\Delta\tau_{am,1}$ (N/mm^2) = 80.0 tab. C4.2.XV
γ_m (-) = 1.35 strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) = 43.7 limite di fatica ad ampiezza costante
$\Delta\tau$ (N/mm^2) = 6.4 Verifica soddisfatta

DETTAGLIO 2 - saldatura trasversale a piena penetrazione su piattabande superiori

$\Delta\sigma_{am,3}$ (N/mm^2) = 71.0 tab. C4.2.XIV
γ_m (-) = 1.35 strutture sensibili + cons. significative
$\Delta\sigma_D$ (N/mm^2) = 38.8 limite di fatica ad ampiezza costante
$\Delta\sigma$ (N/mm^2) = 5.1 Verifica soddisfatta

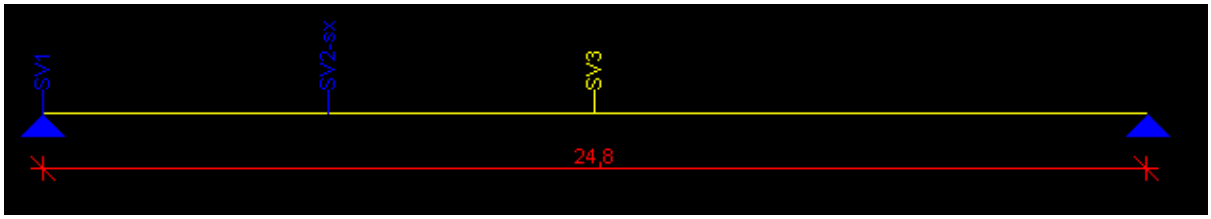
DETTAGLIO 3 - saldatura trasversale a piena penetrazione su piattabande inferiori

$\Delta\sigma_{am,3}$ (N/mm^2) = 84.1 tab. C4.2.XIV
γ_m (-) = 1.35 strutture sensibili + cons. significative
$\Delta\sigma_D$ (N/mm^2) = 45.9 limite di fatica ad ampiezza costante
$\Delta\sigma$ (N/mm^2) = 29.2 Verifica soddisfatta



Le tensioni prodotte da carichi di fatica sono inferiori a tali limiti. Pertanto la verifica a fatica si ritiene soddisfatta.

SEZIONE DI VERIFICA SV3



DATI SEZIONE VERIFICA

Sezione	SV3
Concio metallico	C2
Soletta in c.a.	S2
Ascissa di verifica sezione: x(m)	12.4
Area armatura: A(mm²)	3658.0

CONDIZIONI DI CARICO

Cond.	n	N (kN)	V (kN)	M (kNm)	σcls(kN)	Mtor(kNm)
F0	0	0	20	2.415	0	0
F1B	2	0	10	1.250	0	0
F1C	3	2.560	0	1.390	-3,151	0
F2	1	0	190	4.690	0	0
F2_fat_1	1	0	95	1.660	0	0
F1A	1	0	10	1.250	0	0

Dove: F0 – fase 0; F1A – fase 1a; F1B – fase 1b; F1C – fase 1c; F2 – fase 2; F2_fat1 – fase 2 per carico fatica.

COMBINAZIONI DI CARICO

Condizione	SLU_t,inf	F0	F1B	F1C	F2	F2_fat_1	SLU_t,inz.	F1A
F0	1	1	0	0	0	0	1	0
F1B	1	0	1	0	0	0	0	0
F1C	1	0	0	1	0	0	0	0
F2	1	0	0	0	1	0	1	0
F2_fat_1	0	0	0	0	0	1	0	0
F1A	0	0	0	0	0	0	1	1

Si fa notare che le sollecitazioni sino riferite alla combinazione SLU_STR_ENV.

Si tengono in considerazione i due istanti di verifica: quella allo stato iniziale SLU_t,iniz. (a maturazione della soletta) e quella allo stato finale SLU_t,inf (a tempo infinito tenendo conto dei fenomeni lenti)

SLU_t,iniz. → F0 + F1A + F2

SLU_t,inf → F0 + F1B + F1C + F2

SLU_fatica 1 → F2_fat_1

Si fa notare che le oscillazioni di tensione per fatica sono prodotte solo dai carichi di fatica e non da altri carichi.

Cond.	σ_c (MPa)	σ_f (MPa)	σ_{ss} (MPa)	σ_s (MPa)	σ_i (MPa)	σ_{ii} (MPa)	t_s (MPa)	t_i (MPa)	σ_{ids} (MPa)	σ_{idi} (MPa)
F0	0.0	0.0	115.8	112.2	-65.5	-72.0	0.8	1.0	112.2	65.5
F1A	1.9	8.2	4.8	4.2	-26.4	-27.5	0.5	0.4	4.3	26.4
F1B	1.3	18.1	13.7	12.9	-27.7	-29.2	0.5	0.4	12.9	27.7
F1C	-0.1	45.0	40.1	39.2	-5.2	-6.9	0.0	0.0	39.2	5.2
F2	7.0	30.6	18.1	15.7	-98.9	-103.1	9.4	7.4	22.7	99.7
F2_fat_1	2.5	10.8	6.4	5.6	-35.0	-36.5	4.7	3.7	9.9	35.6
SLU_t,inz.	8.8	38.8	138.7	132.2	-190.7	-202.6	10.7	8.8	133.5	191.3
SLU_t,inf	8.1	93.8	187.7	180.0	-197.3	-211.1	10.7	8.8	181.0	197.9

Nella tabella a fianco sono riportate le tensioni presenti nella sezione di verifica soggetta alle sollecitazioni di progetto.

σc – tensione nel cls

σf – tensione nelle barre di armatura

σss – tensione nell'estradosso della piattabanda sup. della sezione metallica

σs – tensione nell'intradosso della piattabanda sup. della sezione metallica

σi – tensione nell'estradosso della piattabanda inf. della sezione metallica

σii – tensione nell'intradosso della piattabanda inf. della sezione metallica

τs – tensione di taglio dell'anima nella parte di estradosso della sezione metallica

τi – tensione di taglio dell'anima nella parte di intradosso della sezione metallica

σids – tensione ideale (von mises) nell'estradosso della piattabanda sup. della sezione metallica

σidi – tensione ideale (von mises) nell'intradosso della piattabanda inf. della sezione metallica

Si può notare che nella colonne relative alle tensioni sopra esposte, non si oltrepassa mai la tensione di snervamento che è pari a :

- Tensione normale:
  - per t ≤ 40 mm: fyd = fyk / 1.05 = 355/1.05 = 338 MPa;
  - per 40 mm < t ≤ 80 mm: fyd = fyk / 1.05 = 335/1.05 = 319 MPa.

- Tensione di taglio:
  - per t ≤ 40 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 355 /((3 ^ 0.5) * 1.05) = 195.2 MPa;
  - per 40 mm < t ≤ 80 mm: τyd = fyk /((3 ^ 0.5) * 1.05) = 335 /((3 ^ 0.5) * 1.05) = 184.2MPa

Si può osservare anche che per ogni fase esecutiva la trave risulta essere sempre verificata.

Le verifiche a fatica sono condotte a vita illimitata adottando il modello di carico a fatica 1.

Perla verifica a fatica dei dettagli di carpenteria, si prendono in esame i dettagli elencati alla categoria/numero dettaglio dedotti dalle rispettive tabelle delle NTC2018 + Circ. 2019:

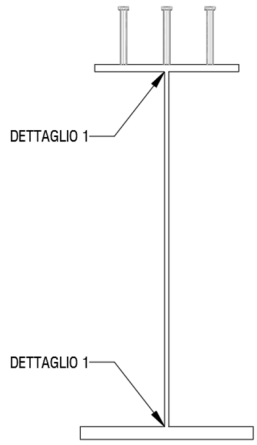
Riferimento NTC 2018 + CIRC. 2019	**Classe di dettaglio**	**Dettaglio costruttivo**	**Descrizione dettaglio**	**ks (-)**	**$\Delta\tau$ (MPa)**	**γ_m (-)**	**$\Delta\tau_D$ (MPa)**
tab. C4.2.XV	80	dett. 8	Saldatura longitudinale piattabande-anima concio 1, 2 e 3	1.0	80.0	1.35	43.7

DETTAGLIO 1 - saldatura longitudinale anima-piattabanda superiore

$\Delta\tau_{am,1}$ (N/mm^2) =	80.0	tab. C4.2.XV
γ_m (-) =	1.35	strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) =	43.7	limite di fatica ad ampiezza costante
$\Delta\tau$ (N/mm^2) =	4.7	Verifica soddisfatta

DETTAGLIO 1 - saldatura longitudinale anima-piattabanda inferiore

$\Delta\tau_{am,1}$ (N/mm^2) =	80.0	tab. C4.2.XV
γ_m (-) =	1.35	strutture sensibili + cons. significative
$\Delta\tau_D$ (N/mm^2) =	43.7	limite di fatica ad ampiezza costante
$\Delta\tau$ (N/mm^2) =	3.7	Verifica soddisfatta



Le tensioni prodotte da carichi di fatica sono inferiori a tali limiti. Pertanto la verifica a fatica si ritiene soddisfatta.

5.4.3 Verifica di instabilità dell'anima per taglio

Le anime delle travi sono irrigidite da irrigidimenti a tutta altezza, di sezione 200 mm x 12 mm, posti a interasse di 2500 mm su entrambi i lati dell'anima.

SV1 – APPOGGI (concio 1)

Trave -T5	Sollecitazioni		
Condizione	N (kN)	V (kN)	M (kNm)
t=0	0	1365	-100
t=inf.	2560	1365	1055

Trave - T3	Sollecitazioni		
Condizione	N (kN)	V (kN)	M (kNm)
t=0	0	1535	-173
t=inf.	2560	1535	982

Si riporta di seguito la verifica dell'anima del concio C1 della trave di riva (T5):

Caratteristiche di sollecitazione

N_{Ed}	2560	kN	Sforzo normale di progetto
M_{Ed}	1055	kNm	Momento flettente di progetto
V_{Ed}	1365	kN	Taglio di progetto

Caratteristiche profilo - sezione SV1, concio C1

h_w	1240	mm	Altezza pannello d'anima
$b_{fsup/inf}$	500	mm	Larghezza piattabanda superiore e inferiore
t_{fsup}	25	mm	Spessore piattabanda superiore
t_{finf}	35	mm	Spessore piattabanda inferiore
t_w	15	mm	Spessore anima
h	1300	mm	Altezza profilo
t_f	25	mm	Spessore piattabanda
b_f	305.1	mm	Larghezza ala con limite L1
$L1=15\ \varepsilon\ t_f$	305.1	mm	Limitazione larghezza ala
A_f	7627.7	mm^2	Area efficace flangia con spessore minore
h_f	1270	mm	Distanza baricentro piattabande
$\alpha = a/h_w$	2.0	-	
h_w / t_w	82.7	-	Verifica a taglio per fenomeni di instabilità locale necessaria

Caratteristiche irrigidimenti

a	2500	mm	Passo irrigidimenti trasversali
	Assenza	di	Irrigidimenti longitudinali

Caratteristiche acciaio da carpenteria

f_{yk}	355	N/mm^2	Tensione di snervamento
f_{yw}	355	N/mm^2	Tensione di snervamento pannello d'anima
f_{yf}	355	N/mm^2	Tensione di snervamento pannello piattabanda

Coefficienti di normativa - NTC2018+CRIC.2019

γ_{M0}	1.05	-	Coeff. resistenza sezioni classi 1-2-3-4
γ_{M1}	1.10	-	Coeff. resistenza instabilità ponti stradali e ferroviari

Stabilità dei pannelli soggetti a taglio

κ_τ	6.32	-	Coefficiente di instabilità per taglio
k_{tl}	0.00	-	(nessun irrigidimento longitudinale)
$(72/\eta)\varepsilon$	48.82	-	
η	1.2	-	
ε	0.814	-	
λ_w	1.08	-	Parametro di snellezza
τ_{cr}	175.83	N/mm^2	Tensione tangenziale critica
σ_E	27.80	N/mm^2	Tensione tangenziale critica euleriana
χ_{w1}	0.77	-	Montanti d'appoggio rigidi
χ_{w2}	0.77	-	Altri casi
$M_{f,red}$	1649.6	kNm	Momento resistente plastico efficace delle ali
$M_{f,k}$	3275.2	kNm	Momento resistente delle ali
$V_{bw,Rd}$	2663.7	kN	Contributo resistente dell'anima
$V_{bf,Rd}$	33.7	kN	Contributo resistente delle piattabande
$V_{b,Rd}$	2697.4	kN	Resistenza all'instabilità per taglio del pannello d'anima privo di irrigidimenti intermedi
V_{Ed}	1365	kN	Taglio di progetto
$V_{Ed} / V_{b,Rd}$	0.51	<1	Verificato

Si riporta di seguito la verifica dell'anima del concio C1 della trave di spina più sollecitata (T3):

Caratteristiche di sollecitazione

N_{Ed}	2560	kN	Sforzo normale di progetto
M_{Ed}	982	kNm	Momento flettente di progetto
V_{Ed}	1535	kN	Taglio di progetto

Caratteristiche profilo - sezione SV1, concio C1

h_w	1240	mm	Altezza pannello d'anima
$b_{fsup/inf}$	500	mm	Larghezza piattabanda superiore e inferiore
t_{fsup}	25	mm	Spessore piattabanda superiore
t_{finf}	35	mm	Spessore piattabanda inferiore
t_w	15	mm	Spessore anima
h	1300	mm	Altezza profilo
t_f	25	mm	Spessore piattabanda
b_f	305.1	mm	Larghezza ala con limite L1
$L1=15\,\varepsilon\,t_f$	305.1	mm	Limitazione larghezza ala
A_f	7627.7	mm^2	Area efficace flangia con spessore minore
h_f	1270	mm	Distanza baricentro piattabande
$\alpha = a/h_w$	2.0	-	
h_w / t_w	82.7	-	Verifica a taglio per fenomeni di instabilità locale necessaria

Caratteristiche irrigidimenti

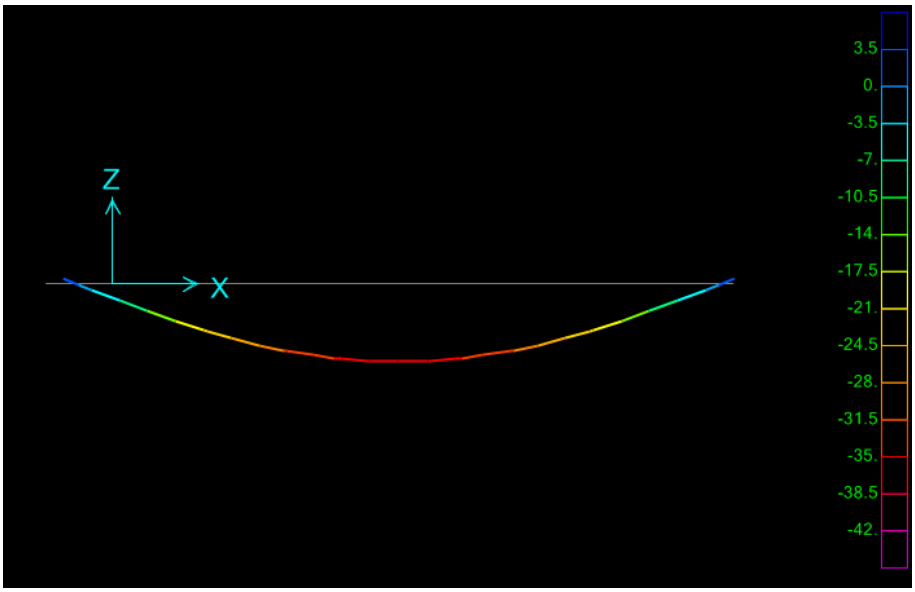
a	2500	mm	Passo irrigidimenti trasversali
	Assenza	di	Irrigidimenti longitudinali
Caratteristiche acciaio da carpenteria			
f_{yk}	355	N/mm^2	Tensione di snervamento
f_{yw}	355	N/mm^2	Tensione di snervamento pannello d'anima
f_{yf}	355	N/mm^2	Tensione di snervamento pannello piattabanda
Coefficienti di normativa - NTC2018+CRIC.2019			
γ_{M0}	1.05	-	Coeff. resistenza sezioni classi 1-2-3-4
γ_{M1}	1.10	-	Coeff. resistenza instabilità ponti stradali e ferroviari
Stabilità dei pannelli soggetti a taglio			
κ_τ	6.32	-	Coefficiente di instabilità per taglio
k_{tl}	0.00	-	(nessun irrigidimento longitudinale)
$(72/\eta)\varepsilon$	48.82	-	
η	1.2	-	
ε	0.814	-	
λ_w	1.08	-	Parametro di snellezza
τ_{cr}	175.83	N/mm^2	Tensione tangenziale critica
σ_E	27.80	N/mm^2	Tensione tangenziale critica euleriana
χ_{w1}	0.77	-	Montanti d'appoggio rigidi
χ_{w2}	0.77	-	Altri casi
$M_{f,red}$	1649.6	kNm	Momento resistente plastico efficace delle ali
$M_{f,k}$	3275.2	kNm	Momento resistente delle ali
$V_{bw,Rd}$	2663.7	kN	Contributo resistente dell'anima
$V_{bf,Rd}$	37.8	kN	Contributo resistente delle piattabande
$V_{b,Rd}$	2701.5	kN	Resistenza all'instabilità per taglio del pannello d'anima privo di irrigidimenti intermedi
V_{Ed}	1535	kN	Taglio di progetto
$V_{Ed} / V_{b,Rd}$	0.57	<1	Verificato

5.4.4 Verifica di deformabilità

La verifica di deformabilità è perfezionata in ottemperanza a quanto prescritto al p.ti 4.1.2.2.2 e 5.1.4.5 del D.M. 17.01.2018.

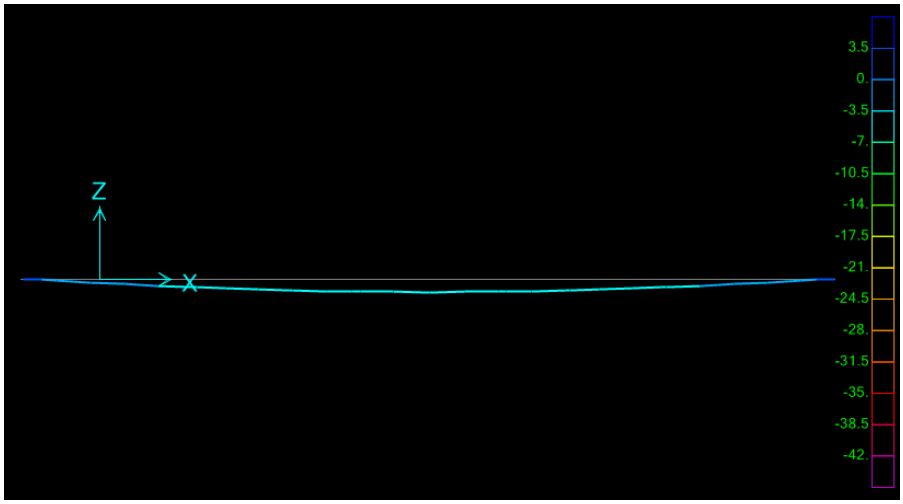
Le deformazioni qui esposte sono relative alla combinazione di inviluppo SLE_rara_ENV

FASE 0



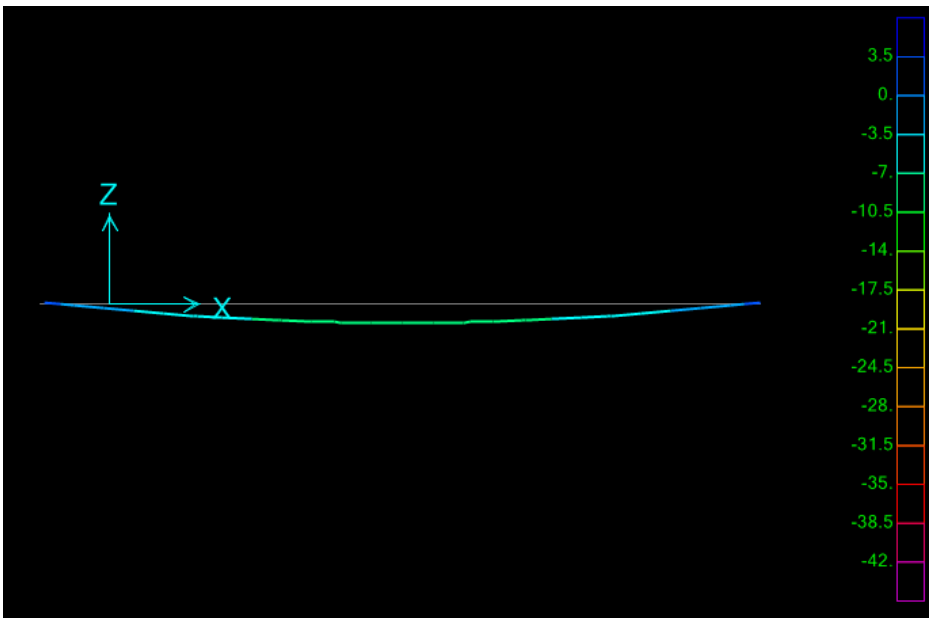
d max = 35.78 mm

FASE 1A



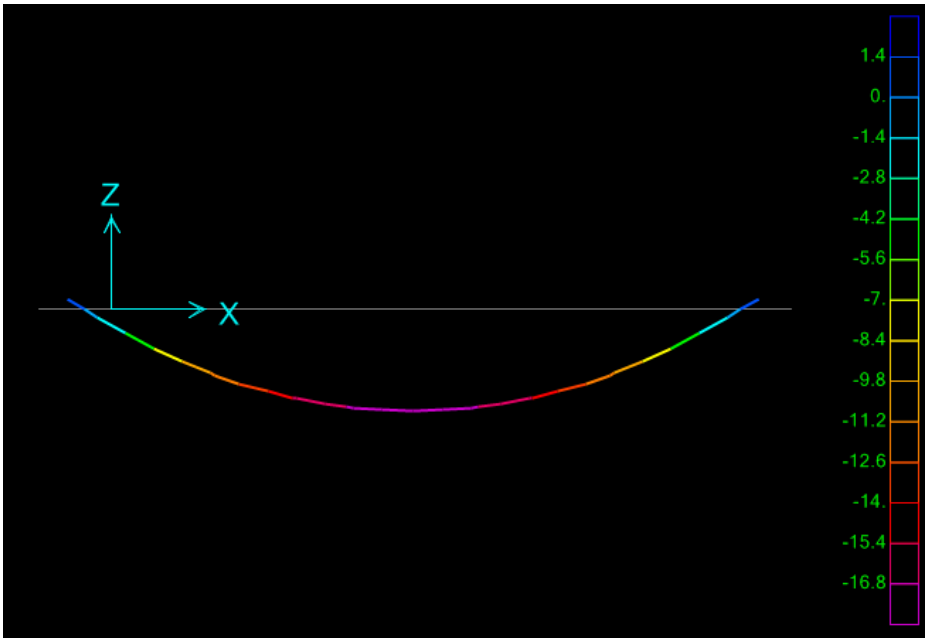
d max = 6.75 mm

FASE 1B



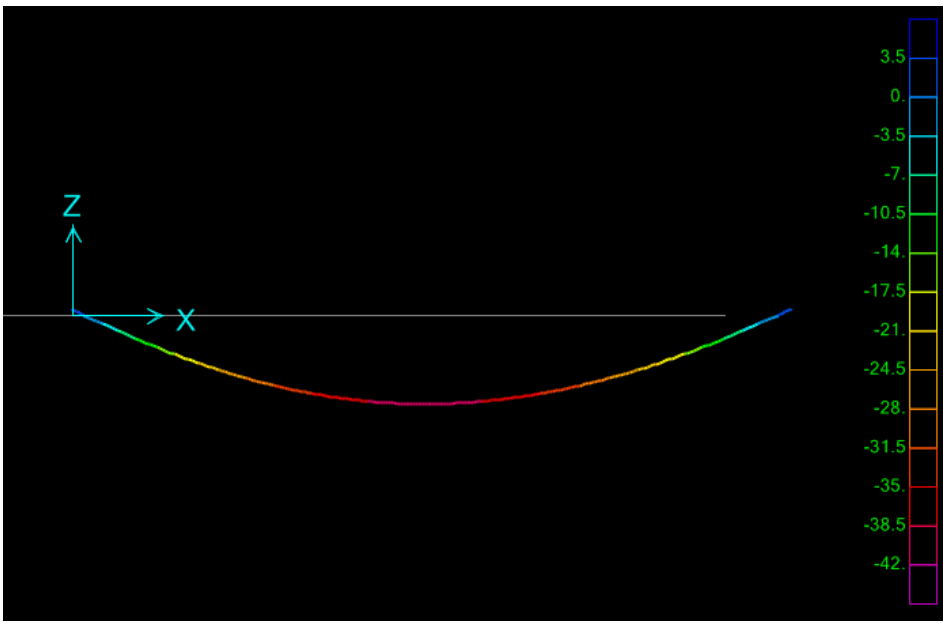
d max = 8.52 mm

FASE 1C



d max = 17.6 mm

FASE 2



d max = 39.7 mm

La freccia complessiva dovuta ai carichi permanenti vale quindi al tempo iniziale – t=0 → F0 + F1A + F2

f_{per} = 35.78 + 6.75 = 42.5 mm → pari a L/583 < L/250

f_{var} = 39.7 mm → pari a L/624 < L/500

La freccia complessiva dovuta ai carichi permanenti vale quindi al tempo infinito – t=inf → F0 + F1B + F1C + F2

f_{per} = 35.78 + 8.52 + 17.1 = 61.4 mm → pari a L/404 < L/250

f_{var} = 39.7 mm → pari a L/624 < L/500

5.4.5 Verifica a fessurazione

Per quanto riguarda la verifica SLE a fessurazione, si rileva che è omessa in quanto l'armatura in soletta è sempre in compressione.

5.4.6 Sollevamento impalcato

Il sollevamento dell'impalcato viene effettuato mediante disposizione di martinetti al di sotto delle cinque travi principali.

Lo schema di sollevamento dell'impalcato è rappresentato schematicamente nella figura seguente.

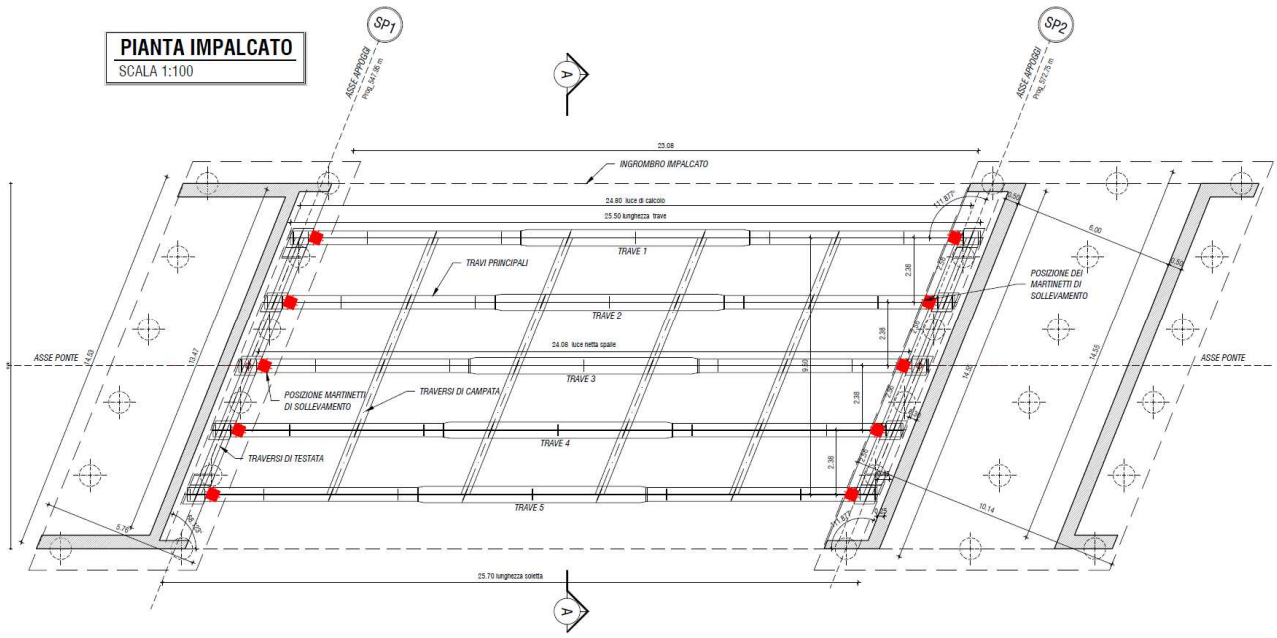


Figura 39 – Posizioni dispositivi di sollevamento (in rosso).

Le reazioni vincolari delle travi, ovvero la capacità portante dei martinetti, sono riportate nella tabella successiva:

$Reaz._{/Carico}$	$R_{V,T1}$	$R_{V,T2}$	$R_{V,T3}$	$R_{V,T4}$	$R_{V,T5}$	Unità
_G1 (fase 0)	338.0	297.5	295.9	297.5	336.4	kN
_G2 (fase 1)	155.6	137.0	135.9	137.0	155.4	kN
G1+G2	493.6	434.5	431.9	434.5	491.7	kN
SLU	**689.7**	**607.2**	**603.4**	**607.2**	**687.1**	kN

Coeff. SLU
1.35
1.50

I martinetti dovranno avere una capacità per carichi in condizione di esercizio almeno pari a 500 kN.

5.4.7 Verifica dei connettori di collegamento

I connettori di collegamento sono calcolati per resistere allo scorrimento all'interfaccia piattabanda superiore – soletta, valutata mediante la teoria elastica della trave.

Tali scorrimenti sono calcolati per combinazioni SLU ed è anche valutata la variazione di scorrimento indotta dai carichi di fatica e sono confrontati con quelli ammissibili per la configurazione di pioli adottata.

Le sezioni di verifica sono analoghe a quelle viste per le travi principali:

1- SV1 – sezione di verifica 1 - Punto di appoggio – la sezione è caratterizzata dal concio 1 – sezione tipo SA1.

2- SV2 – sezione di verifica 2 - Punto di giunto tra concio 1 e concio 2 – la sezione di verifica che si prende in considerazione è quella del concio 1 andando a favore di sicurezza. – sezione tipo SA1.

3- SV3 – sezione di verifica 3 - Punto di mezzeria – la sezione è caratterizzata dal concio 2 – sezione tipo SA2

Per semplicità di esposizione si riporta solo la verifica relativa alla sezione di verifica SV1, in quanto presenta lo sforzo di scorrimento massimo.

SEZIONE DI VERIFICA SV1

La sezione di verifica interessa in concio n. 1 e quindi la piolatura relativa → Φ22/200 mm

CONDIZIONI DI CARICO

Cond.	n	N (kN)	V (kN)	M (kNm)	σcls(kN)	Mtor(kNm)
F0	0	0	415	-30	0	0
F1B	2	0	220	-15	0	0
F1C	3	2.560	0	1.155	-3,151	0
F2	1	0	730	-55	0	0
F2_fat_1	1	0	230	-20	0	0
F1A	1	0	220	-15	0	0

Dove: F0 – fase 0; F1A – fase 1a; F1B – fase 1b; F1C – fase 1c; F2 – fase 2; F2_fat1 – fase 2 per carico fatica 1.

Si fa notare che le sollecitazioni sono riferite alla combinazione SLU_STR_ENV.

COMBINAZIONI DI CARICO

Condizione	SLU_t,inf	F0	F1B	F1C	F2	F2_fat_1	SLU_t,inz.	F1A
F0	1	1	0	0	0	0	1	0
F1B	1	0	1	0	0	0	0	0
F1C	1	0	0	1	0	0	0	0
F2	1	0	0	0	1	0	1	0
F2_fat_1	0	0	0	0	0	1	0	0
F1A	0	0	0	0	0	0	1	1

Si tengono in considerazione i due istanti di verifica: quella allo stato iniziale SLU_t,iniz. (a maturazione della soletta) e quella allo stato finale SLU_t,inf (a tempo infinito tenendo conto dei fenomeni lenti)

SLU_t,iniz. → F0 + F1A + F2

SLU_t,inf → F0 + F1B + F1C + F2

SLU_fatica 1 → F2_fat_1

Si fa notare che le oscillazioni di tensione per fatica sono prodotte solo dai carichi di fatica e non da altri carichi.

Si riportano ora le azioni di scorrimento ottenute dalle sollecitazioni utilizzate per la verifica delle travi principali:

TENSIONI

cond.	Fsc (kN/ml)
SLU_t,inf	667,32
F0	0
F1B	135,82
F1C	0
F2	531,5
F2_fat_1	167,459
SLU_t,inz.	691,678
F1A	160,178

Per il calcolo dello sforzo di scorrimento resistente si fa riferimento al p.to 4.3.4.3.1.2 delle NTC/2018.

Diametro del piolo → Φ22 mm

Altezza tot. del piolo → h = 200 mm

ANALISI RESISTENZA DI PROGETTO PIOLATURA		
coeff. Di sicurezza	γ_v	1.25
Resist. Singolo piolo lato acc.	$P_{rd,a}$ [kN]	87.58
coeff.	α	1.00
Resist. Singolo piolo lato cls	$P_{rd,c}$ [kN]	106.80
Resist. Singolo piolo	**P_{rd} [kN]**	**87.58**
Taglio resist. Ultimo piolatura	**$v_{l,rd}$ [kN/m]**	**1313.74**

Si può osservare che lo sforzo di scorrimento resistente è maggiore di quello agente: pertanto la verifica si ritiene soddisfatta.

5.5 ANALISI E VERIFICA DELLA SOLETTA DI IMPALCATO

La soletta di impalcato è composta da lastra predalles di contenimento e getto con fondello in cls dello spessore di 50 mm. Il getto di cls di completamento ha invece uno spessore di 220 mm.

Le sollecitazioni sulla soletta vengono definite per ogni fase di esecuzione attraverso i modelli strutturali descritti. Nell'analisi della soletta le travi vengono viste come dei vincoli fissi in modo da avere lo schema statico finale che interessa solo la soletta.

Si osserva che in Fase 0 la soletta in cls non è attiva in quanto non ha subito il processo di indurimento e di aumento di resistenza. Tutto il peso del getto viene sorretto dalle lastre predalles ed a loro volta dalle travi metalliche.

La verifica viene condotta sia a tempo t=0 e sia a tempo t=inf.

SLU_t,iniz. → F1A + F2

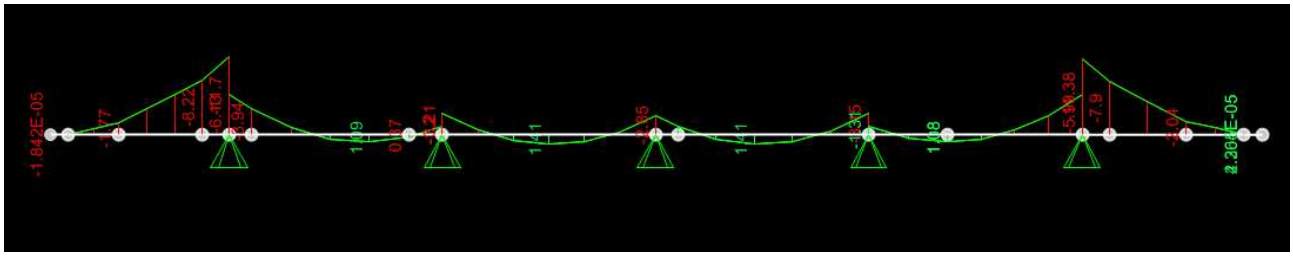
SLU_t,inf → F1B + F1C + F2

Per l'analisi delle sollecitazioni massime su tutto l'impalcato vengono isolate le strisce di soletta maggiormente sollecitate.

5.5.1 Sollecitazioni flettenti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

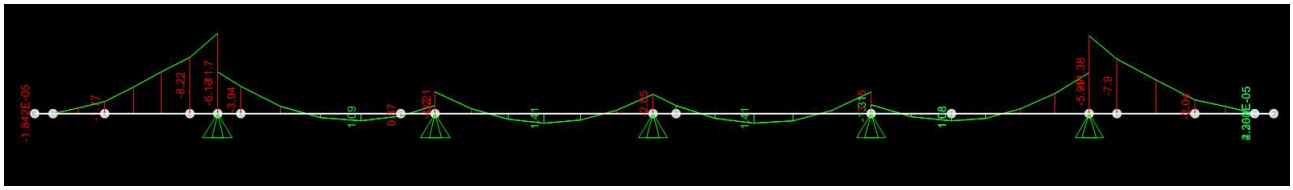
FASE 1A



M_max = 1.50 kNm

M_min = -11.50 kNm

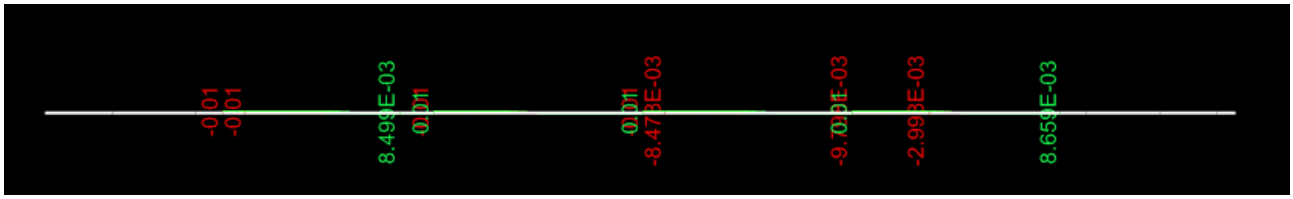
FASE 1B



M_max = 1.50 kNm

M_min = -11.70 kNm

FASE 1C



M_max = 0.05 kNm

M_min = 0.05 kNm

FASE 2

La configurazione che massimizza le sollecitazioni nella trave continua (schematizzazione per la soletta in c.a.) su cinque appoggi (schematizzazione per le travi principali in acciaio) è stata indagata mediante lo studio delle linee di influenza:

Momento flettente:

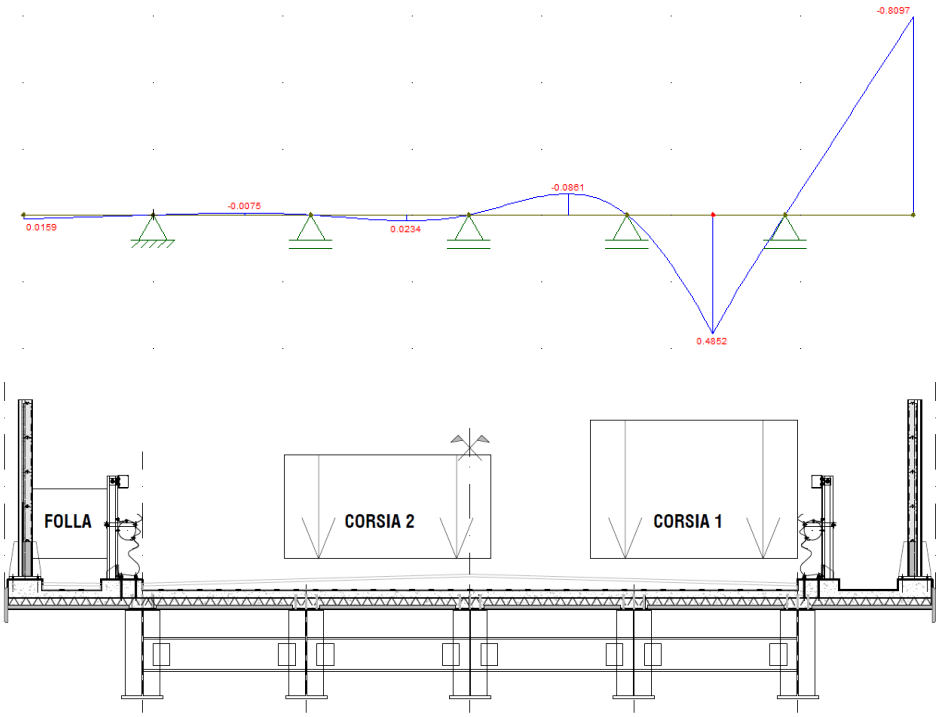
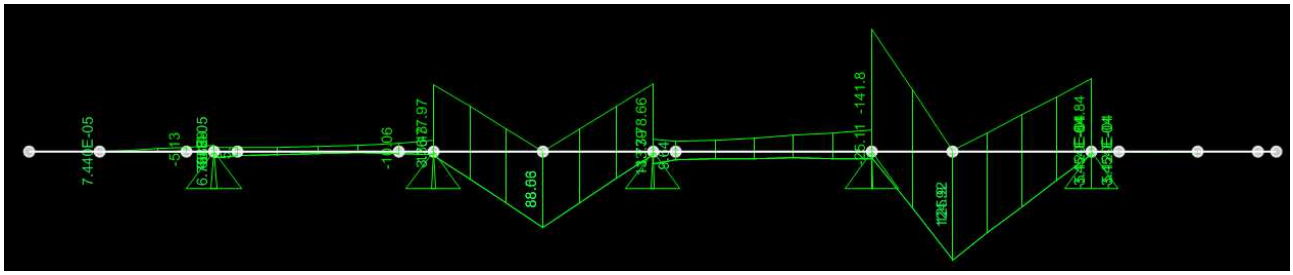


Figura 40 – Linea di influenza momento flettente soletta (sopra) e disposizione trasversale carichi viaggianti (sotto).

Si riportano di seguito le sollecitazioni massime.



M_max = 127.0 kNm

M_min = -142.0 kNm

5.5.1.1 Verifica a flessione SLU

La verifica a flessione si conduce a soletta finita.

Al fine di calcolare il momento resistente si utilizza il software VCA-slu.

Le sollecitazioni totali sono riferite ad una sezione ideale tipologica perché si considera che l'armatura in soletta si assuma in maniera diffusa ed ripetitiva.

SLU_t,iniz. → F1A + F2

M_max = 130 kNm

M_min = -154.0 kNm

SLU_t,inf → F1B + F1C + F2

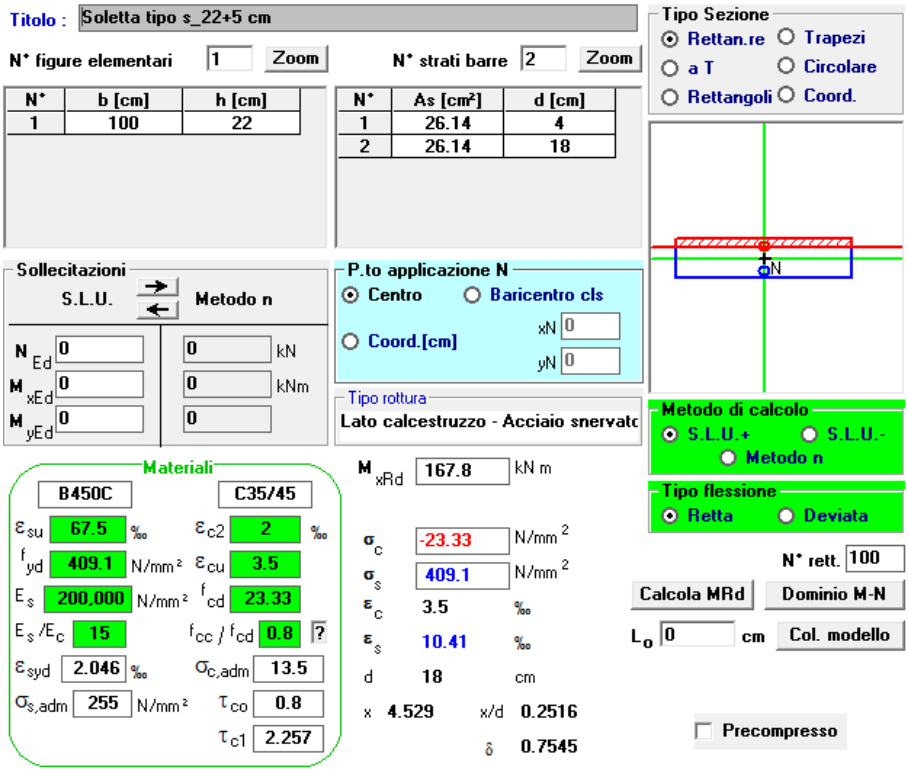
M_max = 130 kNm

M_min = -154 kNm

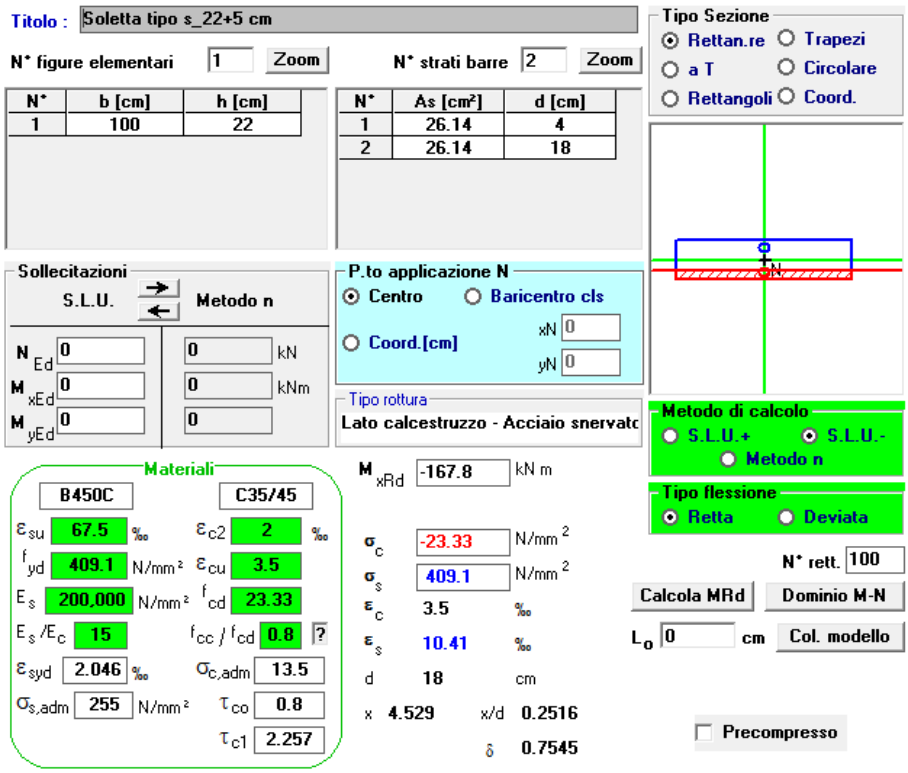
Nella sezione tipo si considera un'armatura pari a: 1Φ24+1Φ16 / 250

Per le verifiche di resistenza si considera la sezione di soletta di altezza 220 mm, ovvero lo spessore della soletta gettata in opera sopra le predalles.

Il momento resistente positivo vale Mrd(+) = 167.8 kNm



Il momento resistente positivo vale Mrd(-) =167.8 kNm



Si osserva che i momenti resistenti sono maggiori di quelli resistenti. La verifica si ritiene pertanto soddisfatta.

Il tasso di sfruttamento della sezione è:

- tasso momento positivo ρ (+) = 0.77
- tasso momento positivo ρ (-) = 0.92

5.5.1.2 <u>Verifica a flessione SLU eccezionale (per urto) a tenso-flessione</u>

Considerando il sistema di forze riportato al § 4.3.11, la forza media applicata al singolo montante è pari a (100 + 100 + 50 + 50) kN / 5.0 m = 60 kN/m. La sezione di verifica (A-A), riportata in figura, ha dimensioni 1.00 m x 0.27 m.

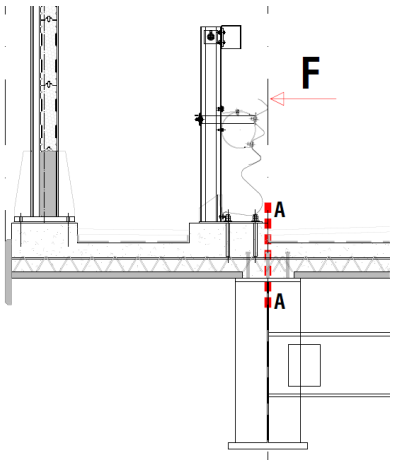


Figura 41 – Forza orizzontale (urto) e sezione di verifica.

s_c	0.15	m	Spessore cordolo
s_s	0.27	m	Spessore soletta (sezione di verifica)
L	1.00	m	Larghezza soletta (sezione di verifica)
s_p	0.10	m	Spessore pavimentazione in prossimità del cordolo
h_u	1.00	m	Altezza punto di applicazione urto dalla superficie della pavimentazione
b	1.24	m	Braccio urto rispetto al piano medio della soletta
F	60.00	kN/m	Forza orizzontale applicata a b
m - URTO	74.10	kNm/m	Momento sollecitante (sezione resistente di larghezza L) - urto
v - URTO	0.00	kN/m	Taglio sollecitante (sezione resistente di larghezza L) - urto
n - URTO	60.00	kN/m	Sforzo normale sollecitante (sezione resistente di larghezza L) - urto

m - URTO	74.10	kNm/m	Momento sollecitante per unità di lunghezza - urto
m - 0 (G1)	0.00	kNm/m	Momento sollecitante di fase 0 - soletta non attiva
m - 1 (G2)	7.67	kNm/m	Momento sollecitante di fase 1
m (TOT.)	81.77	kNm/m	Momento sollecitante totale - Combinazione eccezionale: G1 + G2 + Ad

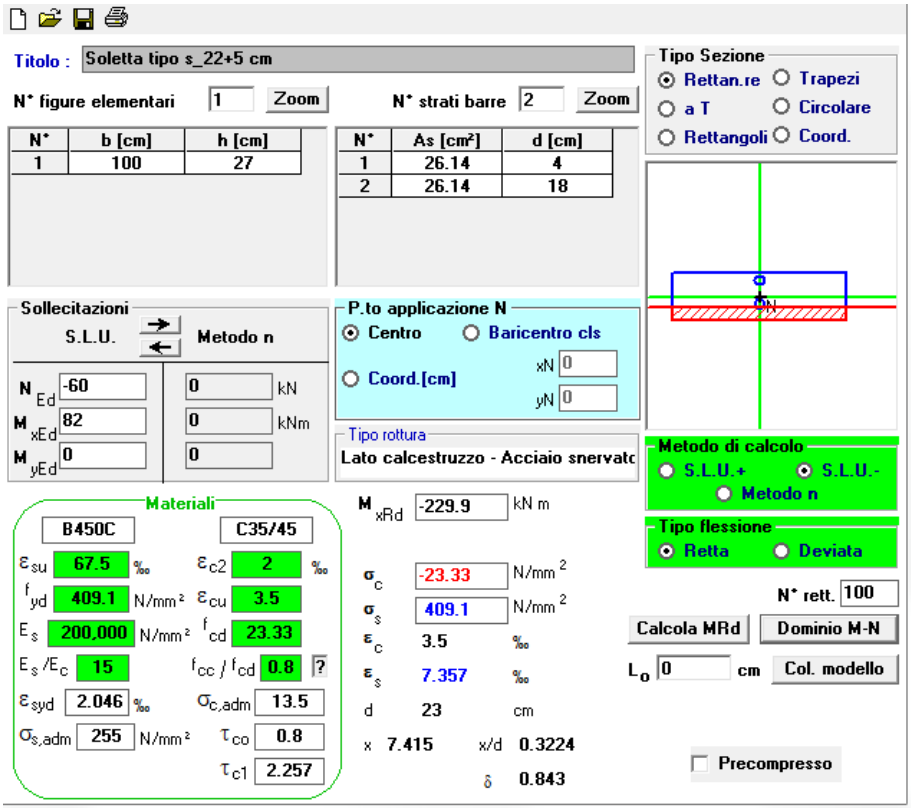
v - URTO	0.00	kNm/m	Taglio sollecitante per unità di lunghezza - urto
v - 0 (G1)	0.00	kNm/m	Taglio sollecitante di fase 0 - soletta non attiva
v - 1 (G2)	7.73	kNm/m	Taglio sollecitante di fase 1
v (TOT.)	7.73	kNm/m	Taglio sollecitante totale - Combinazione eccezionale: G1 + G2 + Ad

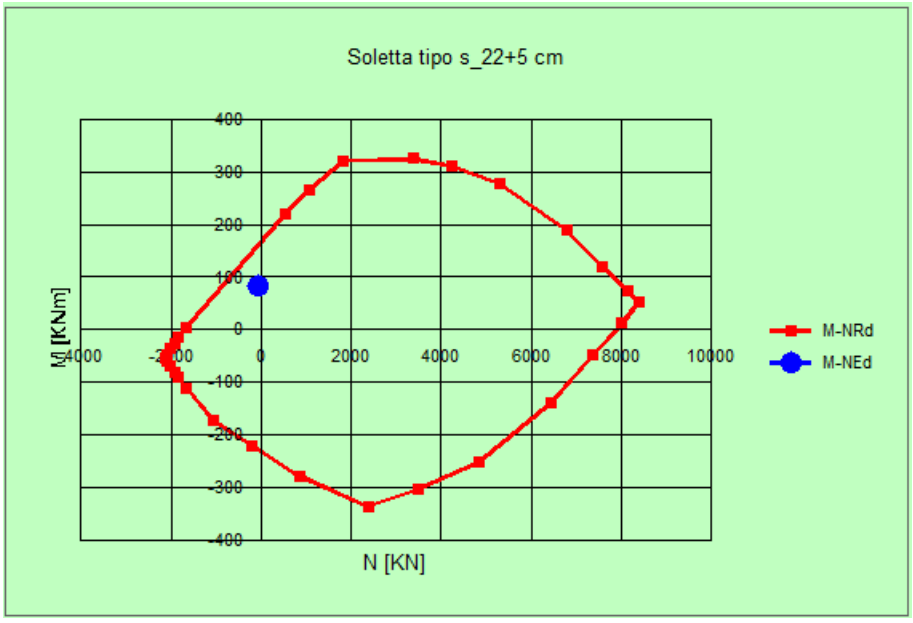
n - URTO	60.00	kNm/m	Sforzo normale sollecitante per unità di lunghezza - urto
n - 0 (G1)	0.00	kNm/m	Sforzo normal sollecitante di fase 0 - soletta non attiva
n - 1 (G2)	0.00	kNm/m	Sforzo normal sollecitante di fase 1
n (TOT.)	60.00	kNm/m	Sforzo normale sollecitante totale - Combinazione eccezionale: G1 + G2 + Ad

Azioni sollecitanti per unità di lunghezza nella sezione di verifica (comb. eccezionale)

m (TOT.)	81.77	kNm/m	
v (TOT.)	7.73	kNm/m	
n (TOT.)	60.00	kNm/m	(trazione)

Si riporta di seguito la verifica a tenso-flessione della soletta.





Si omette la verifica a taglio, in quanto eseguita per le combinazioni più gravose al § 5.5.2 della presente relazione.

5.5.1.3 Verifica delle tensioni SLE-rara e SLE quasi permanente

La verifica a flessione si conduce a soletta finita.

Al fine di calcolare il momento resistente si utilizza il software VCA-slu.

Le sollecitazioni totali sono riferite ad una sezione ideale tipologica perché si considera che l'armatura in soletta si assuma in maniera diffusa ed ripetitiva.

Per semplicità di esposizione si riportano solo i valori numerici.

SLE-rara_t,iniz. → F1A + F2

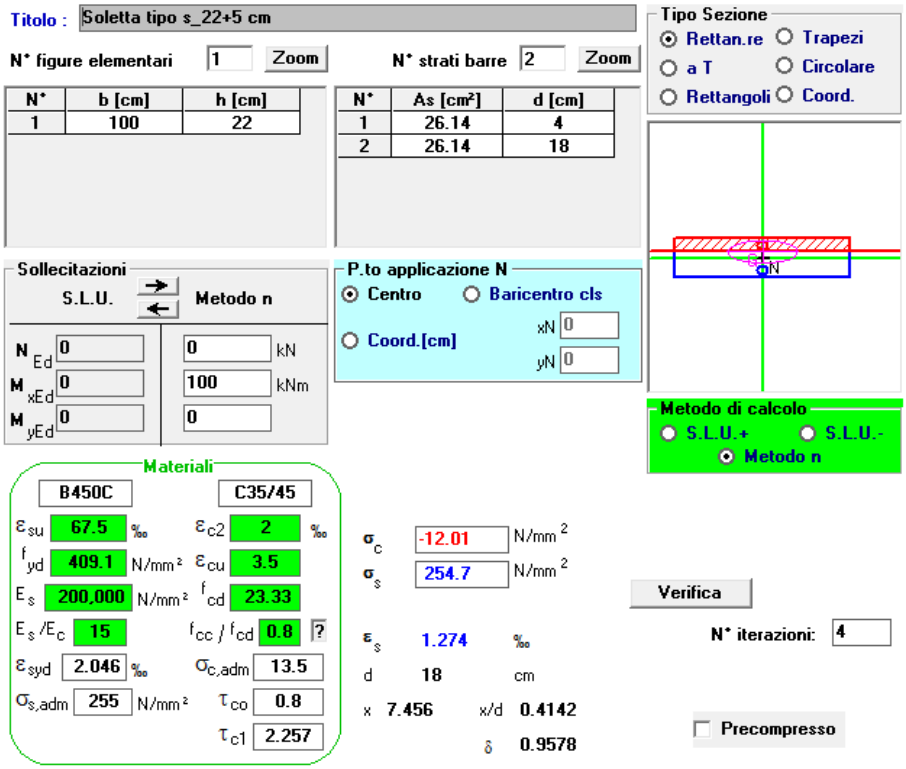
M_max = 100 kNm

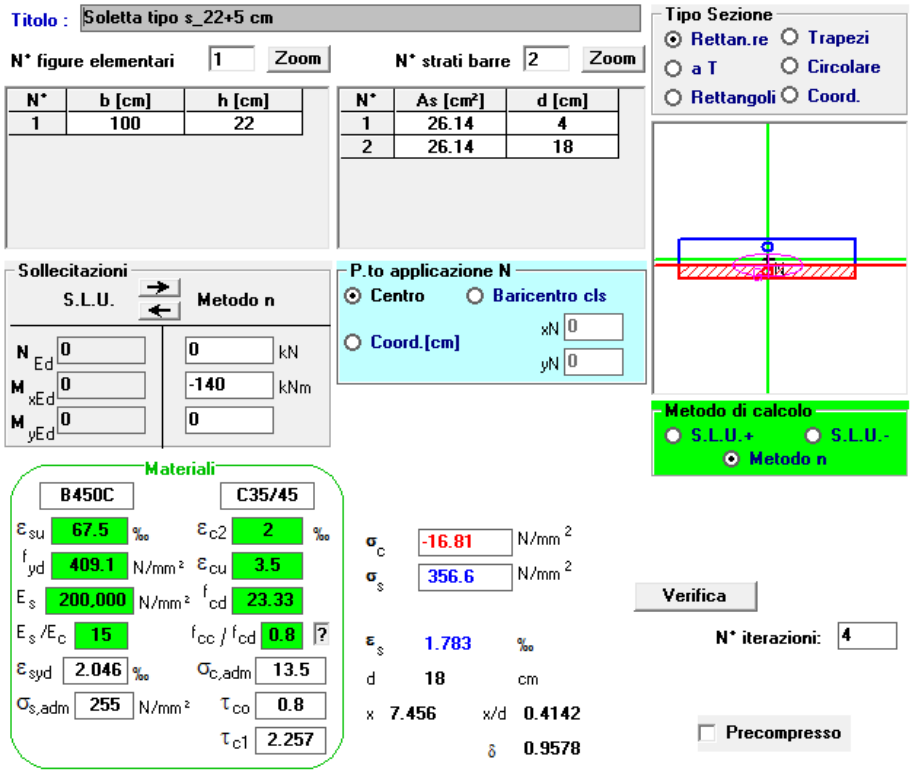
M_min = -140 kNm

SLE-rara_t,inf → F1B + F1C + F2

M_max = 100 kNm

M_min = -140 kNm





SLE-quasi perm_t,iniz. → F1A + F2

M_max = 10 kNm

M_min = -30 kNm

SLE-quasi per_t,inf → F1B + F1C + F2

M_max = 10 kNm

M_min = -30 kNm

Titolo : Soletta tipo s_22+5 cm

N° figure elementari 1 Zoom — N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	100	22

N°	As [cm²]	d [cm]
1	26.14	4
2	26.14	18

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

Sollecitazioni — S.L.U. — Metodo n

N_{Ed}	0	0 kN
M_{xEd}	0	10 kNm
M_{yEd}	0	0

P.to applicazione N: Centro, Baricentro cls, Coord.[cm] — xN 0, yN 0

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

Materiali

B450C		C35/45	
ε_{su}	67.5 ‰	ε_{c2}	2 ‰
f_{yd}	409.1 N/mm²	ε_{cu}	3.5
E_s	200,000 N/mm²	f_{cd}	23.33
E_s/E_c	15	f_{cc}/f_{cd}	0.8 ?
ε_{syd}	2.046 ‰	$\sigma_{c,adm}$	13.5
$\sigma_{s,adm}$	255 N/mm²	τ_{co}	0.8
		τ_{c1}	2.257

σ_c -1.201 N/mm²
σ_s 25.47 N/mm²
ε_s 0.1274 ‰
d 18 cm
x 7.456 x/d 0.4142
δ 0.9578

Verifica — N° iterazioni: 4 — Precompresso

Titolo : Soletta tipo s_22+5 cm

N° figure elementari 1 Zoom — N° strati barre 2 Zoom

N°	b [cm]	h [cm]
1	100	22

N°	As [cm²]	d [cm]
1	26.14	4
2	26.14	18

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

Sollecitazioni — S.L.U. — Metodo n

N_{Ed}	0	0 kN
M_{xEd}	0	-30 kNm
M_{yEd}	0	0

P.to applicazione N: Centro, Baricentro cls, Coord.[cm] — xN 0, yN 0

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

Materiali

B450C		C35/45	
ε_{su}	67.5 ‰	ε_{c2}	2 ‰
f_{yd}	409.1 N/mm²	ε_{cu}	3.5
E_s	200,000 N/mm²	f_{cd}	23.33
E_s/E_c	15	f_{cc}/f_{cd}	0.8 ?
ε_{syd}	2.046 ‰	$\sigma_{c,adm}$	13.5
$\sigma_{s,adm}$	255 N/mm²	τ_{co}	0.8
		τ_{c1}	2.257

σ_c -3.602 N/mm²
σ_s 76.42 N/mm²
ε_s 0.3821 ‰
d 18 cm
x 7.456 x/d 0.4142
δ 0.9578

Verifica — N° iterazioni: 4 — Precompresso

I valori limite di tensione previsti da norma sono:

Lato cls

- SLE-rara → 0.6 fck = 0.6*35 = 21 MPa
- SLE.quasi perm. →0.45 fck = 0.45*35 = 15.75

Lato acciaio

- SLE-rara → 0.8 fyk = 0.6*450 = 360 MPa

Si può osservare dai report di verifica che le tensioni agenti sono minori dei limiti previsti da norma.

La verifica si assume come soddisfatta.

5.5.1.4 Verifica di fessurazione SLE-frequente e SLE-quasi permanente

Si procede alla verifica di fessurazione come indicato nella normativa di riferimento e limitandosi alle sole zone di estradosso tese della soletta, ovvero le zone a momento negativo, in quanto le zone a momento positivo sono caratterizzate dalla presenza del fondello della lastra predalles che limita se non annulla l'esposizione delle armature di soletta agli agenti esterni.

Per le sollecitazioni frequenti si utilizza la combinazione SLE_freq_ENV

SLE-frequente_t,iniz. → F1A + F2

M_min = -110 kNm

SLE-frequente_t,inf → F1B + F1C + F2

M_min = -110 kNm

Geometria della sezione			
Altezza della sezione	h	270	[mm]
Larghezza della sezione	b	1000	[mm]
Altezza utile della sezione	d	210	[mm]
Distanza tra asse armatura e lembo compresso	d'	40	[mm]
Ricoprimento dell'armatura	c	25	[mm]
Armatura tesa ordinaria			
Numero di ferri tesi presenti nella sezione	$n_{f.1}$	4	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.1}$	24	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.1}$	1810	[mm^2]
Armatura tesa di infittimento			
Numero di ferri tesi presenti nella sezione	$n_{f.2}$	4	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.2}$	16	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.2}$	804	[mm^2]

Caratteristiche dei materiali			
Resistenza caratteristica cilindrica dal calcestruzzo	f_{ck}	30	[MPa]
Resistenza a trazione media del calcestruzzo	f_{ctm}	2.9	[MPa]
Modulo di elasticità del calcestruzzo	E_{cm}	32837	[MPa]
Resistenza a snervamento dell'acciaio	f_{yk}	450	[MPa]
Modulo di elasticità dell'acciaio	E_s	200000	[MPa]

DETERMINAZIONE DELL'AMPIEZZA DELLE FESSURE			
Tensione nell'armatura tesa considerando la sezione fessurata	σ_s	218	[MPa]
Asse neutro della sezione	x	91.55	[mm]
		Lunga	
Tipo e durata dei carichi applicati			
Coefficiente di omogeneizzazione	α_e	6.09	[-]
Area totale delle armature presenti nella zona tesa	A_s	2614	[mm²]
Area efficace tesa di calcestruzzo	$A_{c,eff.1}$	150000	[mm²]
	$A_{c,eff.2}$	59483	[mm²]
	$A_{c,eff.3}$	135000	[mm²]
	$A_{c,eff.min}$	59483	[mm²]
Rapporto tra l'area di acciaio teso e quella di calcestruzzo teso	$\rho_{p,eff}$	0.04394	[-]
Resistenza efficace media del calcestruzzo	$f_{ct,eff}$	2.9	[MPa]
Fattore di durata del carico	k_t	0.4	[-]
Differenza tra la deformazione nell'acciaio e nel cls	$[\varepsilon_{sm}-\varepsilon_{cm}]_{min}$	0.000654	[-]
	$[\varepsilon_{sm}-\varepsilon_{cm}]_{calc.}$	0.000923	[-]
	$[\varepsilon_{sm}-\varepsilon_{cm}]$	**0.000923**	**[-]**
Spaziatura tra le barre (calcolata tra i baricentri dei ferri)	s	250	[mm]
Diametro equivalente delle barre	ϕ_{eq}	20.80	[mm]
Spaziatura massima di riferimento	$s_{max,rif}$	177	[mm]
Coefficienti k per il calcolo dell'ampiezza di fessurazione	k_1	0.800	[-]
	k_2	0.500	[-]
	k_3	3.400	[-]
	k_4	0.425	[-]
Distanza massima tra le fessure	$s_{r,max.1}$	165	[mm]
	$s_{r,max.2}$	232	[mm]
	$s_{r,max}$	**232**	**[mm]**
Ampiezza limite delle fessure per la combinazione di calcolo pertinente	$w_{k.lim}$	0.30	[mm]
Ampiezza delle fessure (di calcolo)	**w_k**	**0.21**	**[mm]**

Per la combinazione SLE-frequente la verifica a fessurazione risulta essere soddisfatta.

Per le sollecitazioni frequenti si utilizza la combinazione SLE_qperm

SLE-quasi perm_t,iniz. → F1A + F2

M_min = -30 kNm

SLE-quasi per_t,inf → F1B + F1C + F2

M_min = -30 kNm

Geometria della sezione			
Altezza della sezione	h	270	[mm]
Larghezza della sezione	b	1000	[mm]
Altezza utile della sezione	d	210	[mm]
Distanza tra asse armatura e lembo compresso	d'	40	[mm]
Ricoprimento dell'armatura	c	25	[mm]
Armatura tesa ordinaria			
Numero di ferri tesi presenti nella sezione	$n_{f.1}$	4	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.1}$	24	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.1}$	1810	[mm^2]
Armatura tesa di infittimento			
Numero di ferri tesi presenti nella sezione	$n_{f.2}$	4	[-]
Diametro dei ferri tesi presenti nella sezione	$\phi_{f.2}$	16	[mm]
Area dei ferri tesi presenti nella sezione	$A_{sf.2}$	804	[mm^2]

Caratteristiche dei materiali			
Resistenza caratteristica cilindrica dal calcestruzzo	f_{ck}	30	[MPa]
Resistenza a trazione media del calcestruzzo	f_{ctm}	2.9	[MPa]
Modulo di elasticità del calcestruzzo	E_{cm}	32837	[MPa]
Resistenza a snervamento dell'acciaio	f_{yk}	450	[MPa]
Modulo di elasticità dell'acciaio	E_s	200000	[MPa]

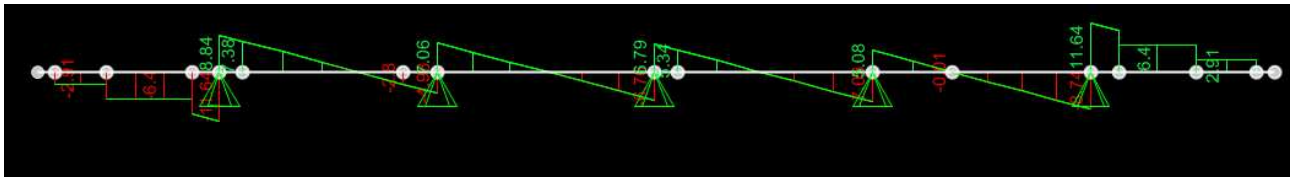
DETERMINAZIONE DELL'AMPIEZZA DELLE FESSURE			
Tensione nell'armatura tesa considerando la sezione fessurata	σ_s	59.54	[MPa]
Asse neutro della sezione	x	91.55	[mm]
Tipo e durata dei carichi applicati		Lunga	
Coefficiente di omogeneizzazione	α_e	6.09	[-]
Area totale delle armature presenti nella zona tesa	A_s	2614	[mm^2]
Area efficace tesa di calcestruzzo	$A_{c,eff.1}$	150000	[mm^2]
	$A_{c,eff.2}$	59483	[mm^2]
	$A_{c,eff.3}$	135000	[mm^2]
	$A_{c,eff.min}$	59483	[mm^2]

Per la combinazione SLE-quasi permanente la verifica a fessurazione risulta essere soddisfatta.

5.5.2 Sollecitazioni taglianti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

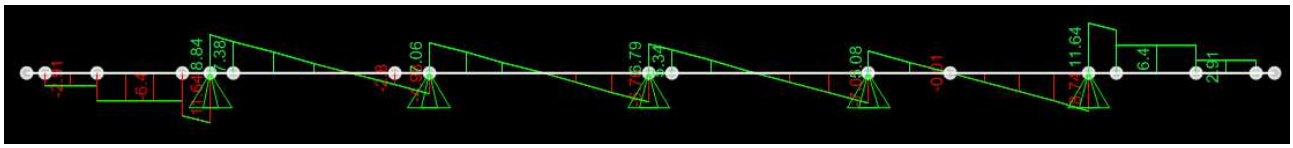
FASE 1A



V_max = 11.6 kN

V_min = -11.6 kN

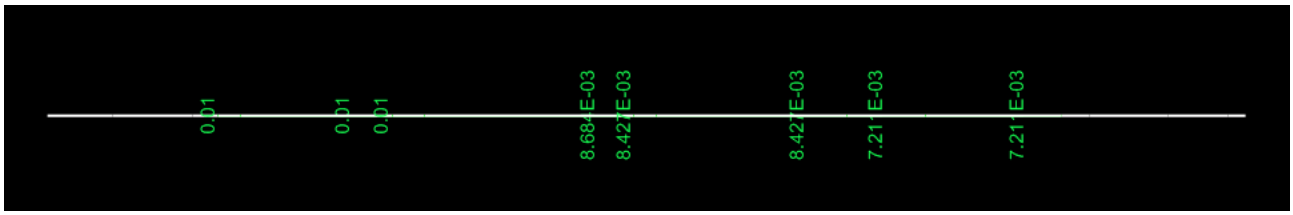
FASE 1B



V_max = 11.6 kN

V_min = -11.6 kN

FASE 1C



V_max = 0.05 kN

V_min = 0.05 kN

FASE 2

La configurazione che massimizza le sollecitazioni nella trave continua (schematizzazione per la soletta in c.a.) su cinque appoggi (schematizzazione per le travi principali in acciaio) è stata indagata mediante lo studio delle linee di influenza:

Taglio:

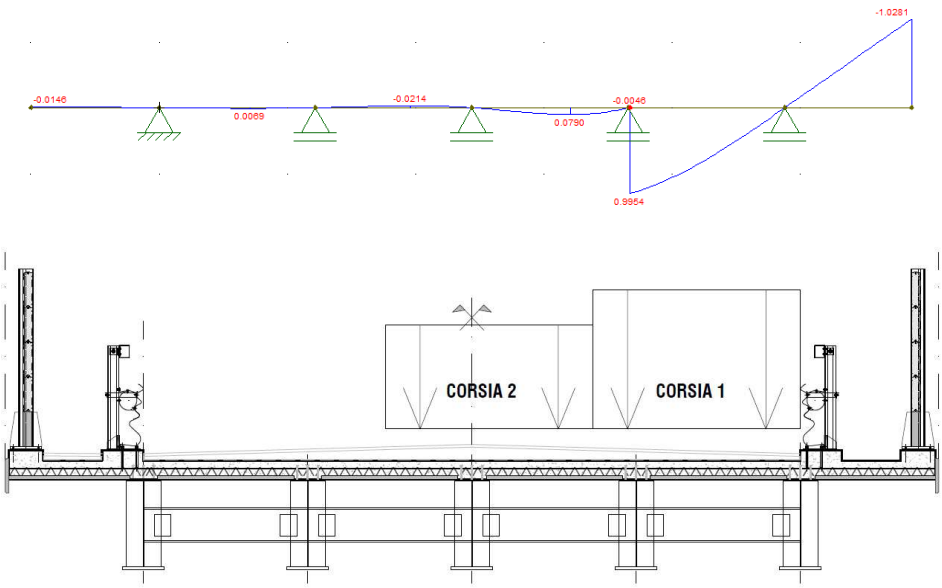
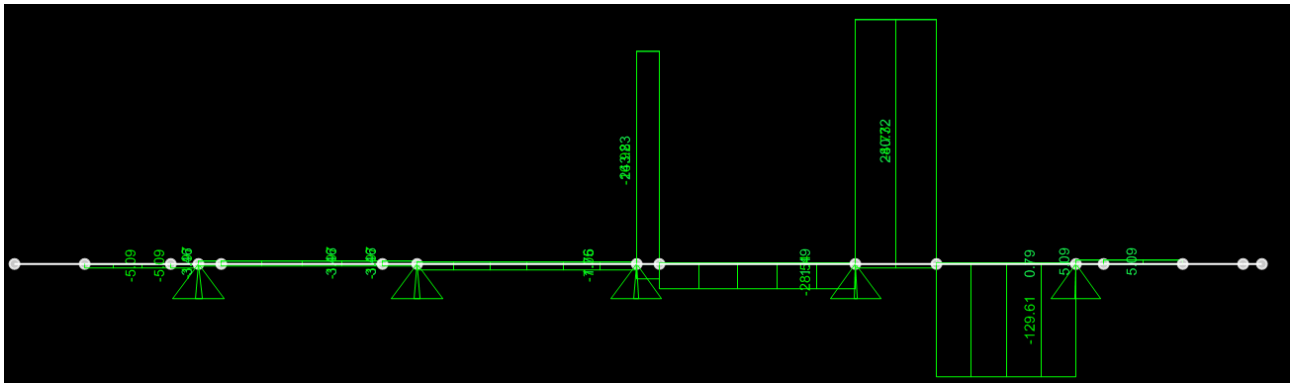


Figura 42 – Linea di influenza taglio soletta (sopra) e disposizione trasversale carichi viaggianti (sotto).

Si riportano di seguito le sollecitazioni massime.



V_max = 281 kN

V_min = -130.00 kN

5.5.2.1 Verifica a taglio

La verifica a taglio si conduce a soletta finita.

Le sollecitazioni totali sono riferite ad una sezione ideale tipologica perché si considera che l'armatura in soletta si assuma in maniera diffusa ed ripetitiva.

SLU_t,iniz. → F1A + F2

V_max = 293.0 kN

V_min = -142.0 kN

SLU_t,inf → F1B + F1C + F2

V_max = 293.0 kN

V_min = -142.0 kN

Per la verifica a taglio si considerano solo ferri piegati. Vengono considerati 4 ferri piegati Φ16 a metro con passo trasversale di 300 mm. Quest'armatura viene prevista su tutti i punti di appoggio della soletta ovvero su tutte e 5 le travi.

Non si considera a favore di sicurezza l'armatura long. presente in soletta già prevista per le azioni flettenti.

CLS - TIPO	C35/45	fcd [N/mmq]	19.83
		γm,c	1.5
ACC - TIPO	B450C	fyd [N/mmq]	391.30
		γm,s	1.15

Altezza sezione	H [mm]	270
Base sezione	B [mm]	1000
Area sez. totale	Ac [mm2]	270000
Perimetro sez.	p [mm]	2540
Copriferro estrad. - TOP	cf_t [mm]	40
Copriferro intrad. - BOTTOM	cf_b [mm]	50

Passo di staffa di progetto	s [mm]	300
Diam. Staffe	Øst [mm]	16
	--> Ast [mm] =	201.06
Num. di bracci	nb	4
Arm. a taglio complessiva	Asw [mm2]	804.25

Tensione caratteristica CLS	C35/45	fck [N/mmq]	35
Tensione di progetto CLS	C35/45	fcd [N/mmq]	19.83
coeff. riduttivo resist. Cls		v	0.50
Tensione di progetto CLS ridotta		f'cd [N/mmq]	9.92
Tensione di progetto ACC	B450C	fyd [N/mmq]	391.30

Inclinazione Biella compressa	
cot (Θ)=	2.5000

Inclinazione Biella tesa (staffe)	
α [deg]	45

Larghezza minima sezione	bw [mm]	1000.00		
Altezza utile sez.	dm,t [mm]	203.23		
Area utile sezione	Ac,t [mm2]	203230.77		
Arm. a taglio complessiva	Asw [mm2]	804.25		
Diametro Staffe	Øst [mm]	16		
Passo di staffa di progetto	s [mm]	300.00		
Rapp. geom. di arm. a taglio	ρst [%]	0.268%		
Inclinaz. staffe rispetto asse trave	α [deg]	45.0000	--> sin (α)=	0.7071
			--> cot (α)=	1.0000
Inclinaz. Biella compr.	Θ [deg]	21.8014	--> cot (Θ)=	2.5000
Tensione med. di compr.	σcp [N/mmq]	0.00	--> σcp/fcd =	0.0000
			--> αc =	1.0000
Taglio resist. compressione	Vrd,c [kN]	750.55		
Taglio resist. trazione	Vrd,s [kN]	474.86		
Taglio resistente	**Vrd [kN]**	**474.86**		

Osservando il taglio resistente pari a 474.86 kN > del taglio agente massimo di 293 kN a tempo infinito, si ritiene che la verifica risulti essere soddisfatta.

5.5.3 Verifica predalles in fase di getto

Si esegue la verifica del traliccio delle predalle in fase di getto della soletta. La lastra risulta caricata dal peso proprio, dal getto della soletta non ancora maturato e da un carico variabile, dovuto ai mezzi d'opera, pari a 1.0 kN/m^2. Per le predalles si ipotizzano di seguenti schemi statici:

- Tipo A: le predalles che si trovano tra due travi si considerano semplicemente appoggiate sulle piattabande superiori delle travi principali stesse;
- Tipo B: predalles che si trovano tra l'ultima trave interna, la trave di riva e lo sbalzo. Per esse di considera uno schema di trave su tre appoggi con sbalzo laterale. La predalle di sbalzo è legata alla predalle della campata adiacente, mendiante la continuità del traliccio.

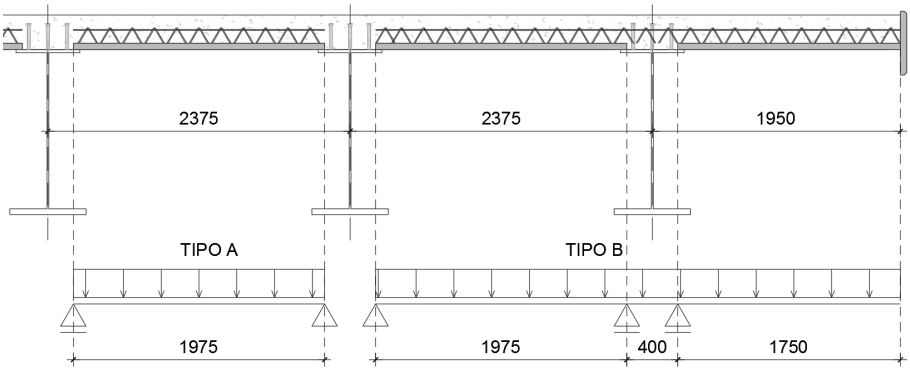


Figura 43 – Sezione trasversale tipologica: disposizione delle lastre predalles.

La soletta di completamento ha uno spessore di 270 mm comprensivo delle predalles collaboranti di spessore 50 mm. Le lastre, oltre a essere collaboranti, hanno anche funzione di cassero.

Dati della sezione della predalla e del traliccio usato:

s_{pred}	50	mm	Spessore lastra prefabbricata
L_{pred}	1200	mm	Larghezza lastra prefabbricata
$N_{T/pred}$	3	num.	Numero di tralicci per ogni predalla
h	165	mm	Altezza traliccio
b	120	mm	Distanza tra i correnti inferiori
a	200	mm	Passo diagonali traliccio
i	400	mm	Interasse tralicci
L_d	193	mm	Lunghezza diagonali
f_{yk}	50	N/mm^2	Res. car. a snervamento ACCIAIO

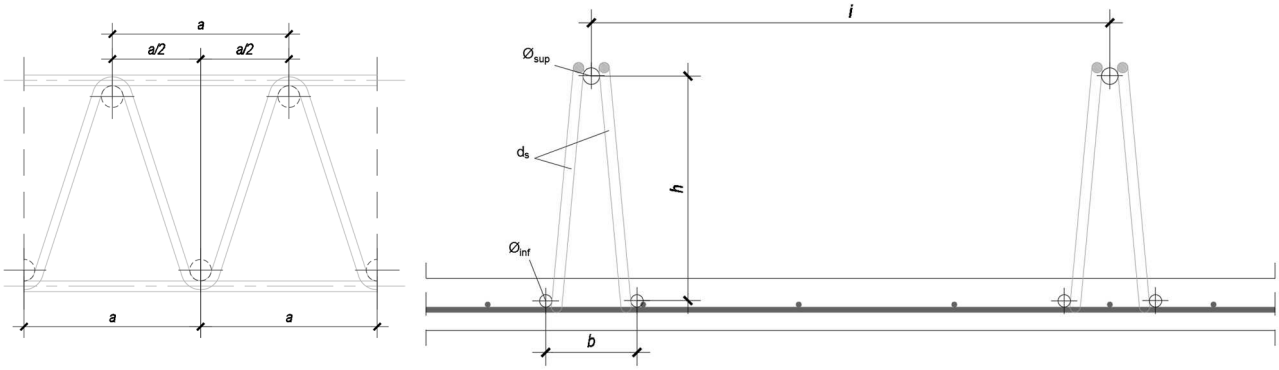


Figura 44 – Lastra prefabbricata tralicciata.

L'armatura del traliccio è costituita dalle seguenti barre di armatura:

ϕ [mm]	A [mm^2]	J [mm^4]	
16	201	3217	Corrente sup.
12	113	1018	Corrente Inf.
10	79	491	Diagonale

Si riporta di seguito l'analisi dei carichi delle lastre predalles in fase di getto:

Carichi agenti sulle predalles:

γ_{CLS}	25	kN/m^3	Peso specifico c.a.
$H_{soletta}$	220	mm	Spessore del getto
G_1 predalles	1.25	kN/m^2	Peso proprio lastra
G_2 soletta	5.5	kN/m^2	Peso proprio soletta
G_2 veletta (0.05x0.6)	0.75	kN/m	Peso proprio veletta
Q_{acc}	1.0	kN/m^2	Sovraccarico

Combinazione SLU (A1):

γ_{G1}	1.35	-	Coeff. G_1
γ_{G2}	1.50	-	Coeff. G_2
γ_Q	1.50	-	Coeff. Q_{acc}
Q_{SLU1}	11.4	kN/m^2	Carico distr. agente sulla lastra
$q_{SLU1} = Q_{SLU1}\ L_{pred}$	13.7	kN/m	Carico distr. agente sulla lastra
Q_{SLU2}	1.125	kN/m	Carico conc. agente sulla lastra (sbalzo)

Le sollecitazioni relative ai tralicci della tipologia A e B risultano:

A) Getto soletta tratto in campata:

L	1975	mm	Luce di calcolo (app.-app.)				
M_{Ed}	6.7	kNm	Momento max lastra	M_{Ed_TR}	2.2	kN/m	Momento max traliccio
V_{Ed}	13.6	kN	Taglio max lastra	V_{Ed_TR}	4.5	kN	Taglio max traliccio

B) Getto soletta tratto a sbalzo:

L	1750	mm	Luce di calcolo (sbalzo)				
M_{Ed}	23.0	kNm	Momento max lastra	M_{Ed_TR}	7.8	kNm	Momento max traliccio
V_{Ed}	26.0	kN	Taglio max lastra	V_{Ed_TR}	8.8	kN	Taglio max traliccio

Si riportano le verifiche del traliccio della tipoligia A:

<u>A) Verifica Instabilità Corrente Superiore Compresso</u>

$N_{Ed} = M_{Ed\_TR}/h$	13.5	kN	Azione assiale di compressione
M_{Ed_TR}	2.2	kNm	Momento flettente sollecitante
h	165	mm	Altezza traliccio
N_{cr}	166690	N	Carico critico euleriano
E	210000	N/mm^2	Modulo di Young acciaio
J	3217	mm^4	Momento d'inerzia barra
L_0	200	mm	Lunghezza libera di inflessione
$\underline{\lambda}$	0.74	-	Snellezza adimensionale
A	201	mm^2	Area barra
α	0.49	-	Fattore di imperfezione (sez. piene,

			curva c)
Φ	0.90	-	
χ	0.70	-	Fattore relatico all'inflessione
γ_{M1}	1.10	-	Coeff. di sicurezza
$N_{b,Rd}$	57.7	kN	Resistenza all'instabilità a compressione
$N_{Ed}/N_{b,Rd}$	0.23	<1	verifica soddisfatta

A) Verifica a Trazione Correnti Inferiori Tesi

$N_{Ed} = M_{Ed\_TR}/h/2$	6.8	kN	Azione assiale di trazione
M_{Ed_TR}	2.2	kNm	Momento flettente
h	165	mm	Altezza traliccio
γ_{M0}	1.05	-	Coeff. di sicurezza
$N_{pl,Rd}$	48.5	kN	Resistenza a trazione
A	113	mm^2	Area barra
$N_{Ed}/N_{pl,Rd}$	0.14	<1	verifica soddisfatta

A) Verifica Instabilità Diagonali Compressi

Ipotesi: i diagonali del traliccio si fanno carico del taglio

L_d	193	mm	Lunghezza diagonali
$N_{Ed} = V_{Ed\_TR}\, L_d/h/2$	2.6	kN	Azione assiale di compressione
V_{Ed_TR}	4.5	kN	Taglio sollecitante
h	165	mm	Altezza traliccio
N_{cr}	27331	N	Carico critico euleriano
E	210000	N/mm^2	Modulo di Young acciaio
J	491	mm^4	Momento d'inerzia barra
L_0	193	mm	Lunghezza libera di inflessione
λ	1.14	-	Snellezza adimensionale
A	79	mm^2	Area barra
α	0.49	-	Fattore di imperfezione (sez. piene, curva c)
Φ	1.38	-	
χ	0.46	-	Fattore relatico all'inflessione
γ_{M1}	1.10	-	Coeff. di sicurezza
$N_{b,Rd}$	14.9	kN	Resistenza all'instabilità a compressione
$N_{Ed}/N_{b,Rd}$	0.18	<1	verifica soddisfatta

Si riportano le verifiche del traliccio della tipoligia B:

B) Verifica Instabilità Correnti Inferiori Compressi

$N_{Ed} = M_{Ed\_TR}/h/2$	23.6	kN	Azione assiale di compressione
M_{Ed_TR}	7.8	kNm	Momento flettente sollecitante
h	165	mm	Altezza traliccio

N_{cr}	52742	N	Carico critico euleriano
E	210000	N/mm^2	Modulo di Young acciaio
J	1018	mm^4	Momento d'inerzia barra
L_0	200	mm	Lunghezza libera di inflessione
λ	0.98	-	Snellezza adimensionale
A	113	mm^2	Area barra
α	0.49	-	Fattore di imperfezione (sez. piene, curva c)
Φ	1.17	-	
χ	0.55	-	Fattore relatico all'inflessione
γ_{M1}	1.10	-	Coeff. di sicurezza
$N_{b,Rd}$	25.5	kN	Resistenza all'instabilità a compressione
$N_{Ed}/N_{b,Rd}$	0.93	<1	verifica soddisfatta.

È opportuno prevedere armature aggiuntive nella sezione in cui il traliccio oltrepassa la trave di riva.

B) Verifica a Trazione Corrente Superiore Teso

$N_{Ed} = M_{Ed\_TR}/h$	23.6	kN	Azione assiale di trazione
M_{Ed_TR}	7.8	kNm	Momento flettente
h	165	mm	Altezza traliccio
γ_{M0}	1.05	-	Coeff. di sicurezza
$N_{pl,Rd}$	86.2	kN	Resistenza a trazione
A	201	mm^2	Area barra
$N_{Ed}/N_{pl,Rd}$	0.27	<1	verifica soddisfatta

B) Verifica Instabilità Diagonali Compressi

Ipotesi: i diagonali del traliccio si fanno carico del taglio

L_d	193	mm	Lunghezza diagonali
$N_{Ed} = V_{Ed\_TR}\, L_d/h/2$	5.1	kN	Azione assiale di compressione
V_{Ed_TR}	8.8	kN	Taglio sollecitante
h	165	mm	Altezza traliccio
N_{cr}	27331	N	Carico critico euleriano
E	210000	N/mm^2	Modulo di Young acciaio
J	491	mm^4	Momento d'inerzia barra
L_0	193	mm	Lunghezza libera di inflessione
λ	1.14	-	Snellezza adimensionale
A	79	mm^2	Area barra
α	0.49	-	Fattore di imperfezione (sez. piene, curva c)
Φ	1.38	-	
χ	0.46	-	Fattore relatico all'inflessione
γ_{M1}	1.10	-	Coeff. di sicurezza
$N_{b,Rd}$	14.9	kN	Resistenza all'instabilità a compressione
$N_{Ed}/N_{b,Rd}$	0.34	<1	verifica soddisfatta

5.6 VERIFICA DEI TRAVERSI

Le travi principali sono mutuamente collegate trasversalmente da traversi bullonati agli irrigidimenti verticali; tali traversi sono costituiti da profilati: HEB700 per i traversi di testata; HEA 500 per i traversi di campata.

Le caratteristiche di sollecitazione sui traversi sono ottenute dal modello a graticcio illustrato nel paragrafo sulla modellazione dell'impalcato.

5.6.1 Traversi di testata

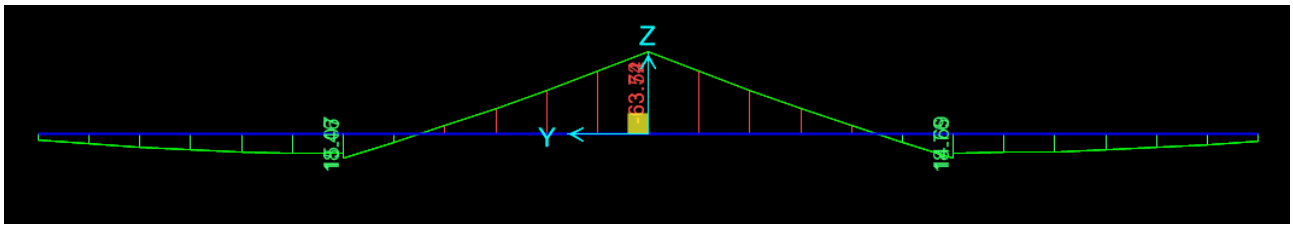
Nei traversi si registrano sforzi di compressione/trazione, sforzi flettenti e taglianti.

A seguire per semplicità di esposizione vengono riportati le sollecitazioni flettenti e taglianti. Mentre per le azioni di sforzo normale si farà riferimento solo allo sforzo di compressione massimo nei due istanti di tempo, in quanto risulta essere importante per la verifica a pressoflessione/svergolamento.

5.6.1.1 Sollecitazioni flettenti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

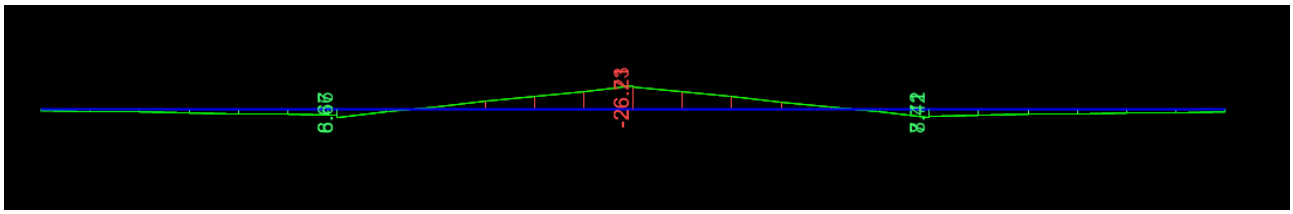
FASE 0



M_max = 18.00 kNm

M_min = -65.00 kNm

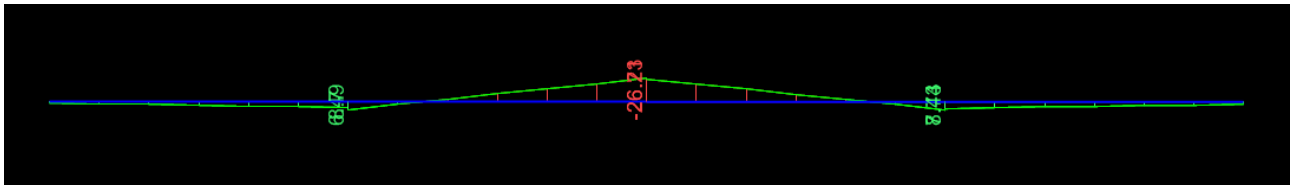
FASE 1A



M_max = 8.50 kNm

M_min = -26.5 kNm

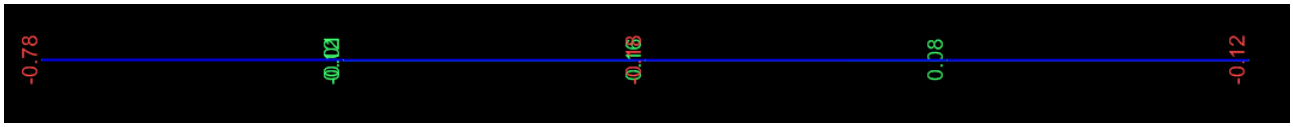
FASE 1B



M_max = 8.50 kNm

M_min = -26.5 kNm

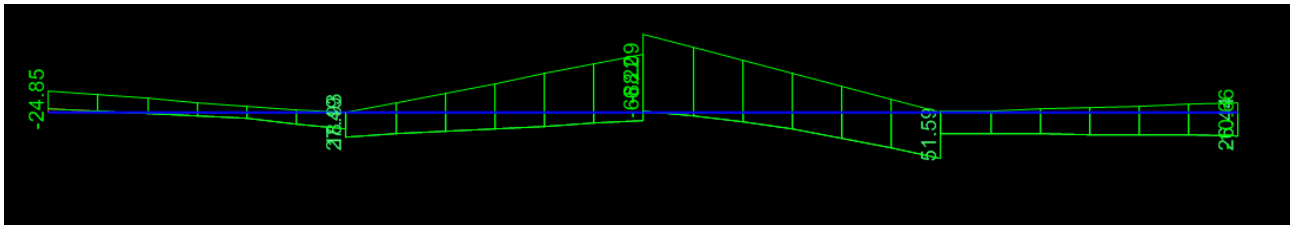
FASE 1C



M_max = 0.05 kNm

M_min = -0.05 kNm

FASE 2



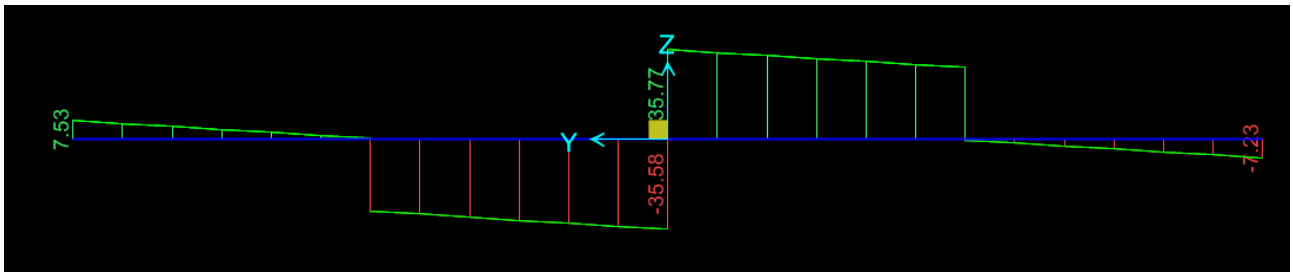
M_max = 53.0 kNm

M_min = -90.0 kNm

5.6.1.2 Sollecitazioni taglianti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

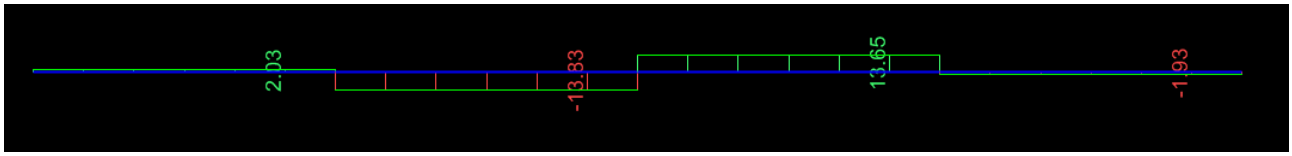
FASE 0



V_max = 40.0 kN

V_min = -40.0 kN

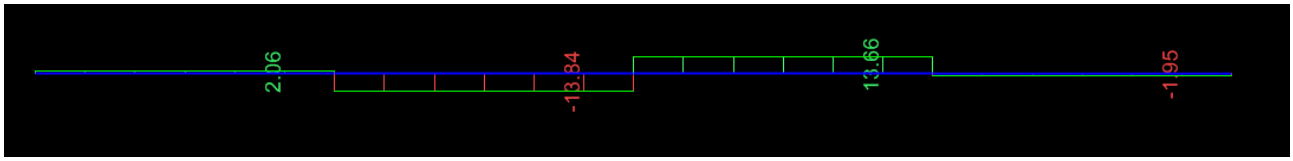
FASE 1A



V_max = 15.0 kN

V_min = -15.0 kN

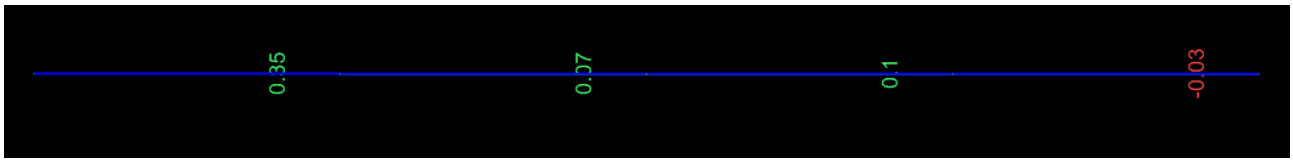
FASE 1B



V_max = 15.0 kN

V_min = -15.0 kN

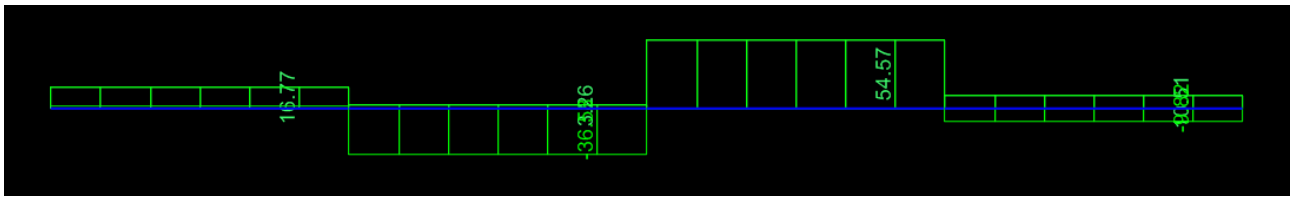
FASE 1C



V_max = 0.05 kN

V_min = 0.05 kN

FASE 2



V_max = 55.0 kN

V_min = -40 kN

5.6.1.3 Verifica traversi di Testata

Le sollecitazioni totali sono riferite ad una sezione ideale tipologica.

L'ente sollecitante è cosi composto:

SLU_t,iniz. → F0 + F1A + F2

N_max (di trazione) = 225 kN

N_min (di compressione) = 310 kN

V_max = 110 kN

V_min = -95 kN

M_max = 80 kNm

M_min = -185 kNm

SLU_t,inf → F0 + F1B + F1C + F2

N_max (di trazione) =225 kN

N_min (di compressione) = 310 kN

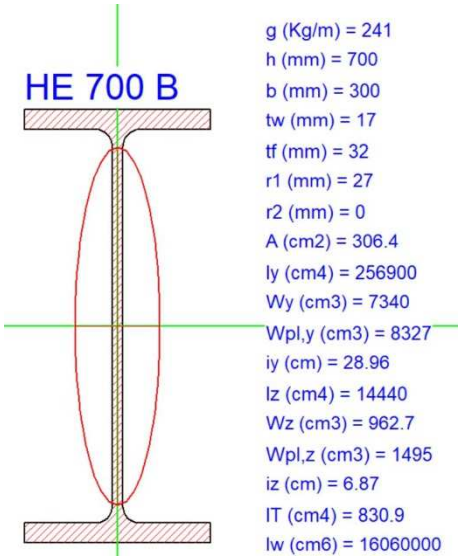
V_max = 110 kN

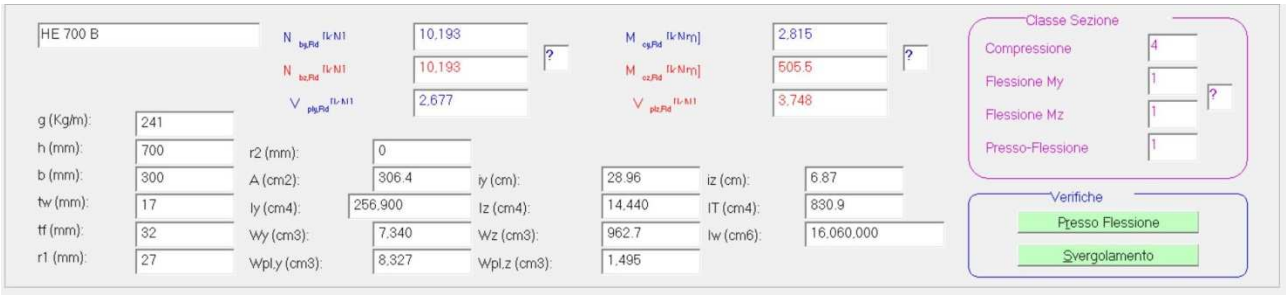
V_min = -95 kN

M_max = 80 kNm

M_min = -185 kNm

La verifica viene effettuata per mezzo del software Profili_suiteGelfi

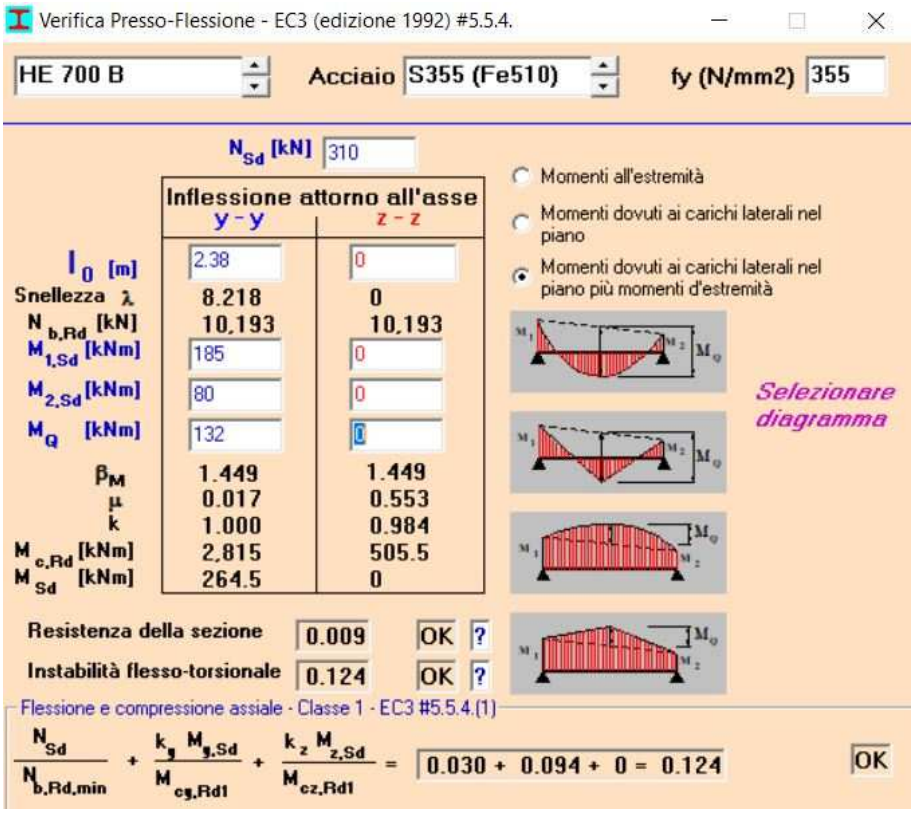


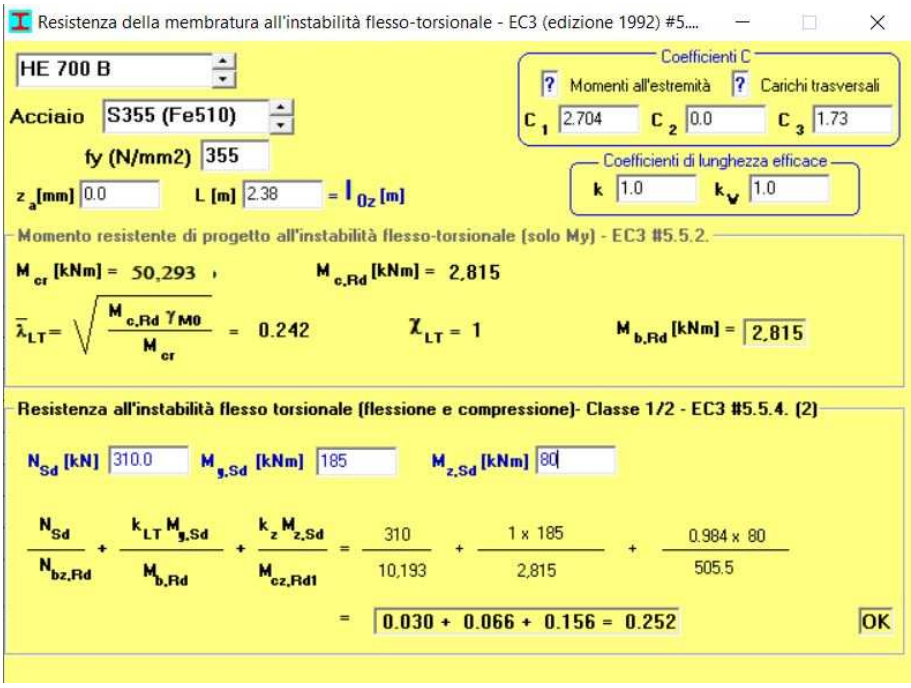


Si possono osservare nell'immagine i valori delle resistenze del profilo metallico utilizzato.

Si fa notare che le sollecitazioni sono molto inferiori alle resistenze. Le verifiche per sollecitazioni "semplici" si ritengono soddisfatte.

A seguire si riportano le verifiche per sollecitazioni composte: verifica per pressoflessione e presso-flesso torsione.





Dai prospetti esposti si evince che il profilo tipo risulta essere verificato alle sollecitazioni composte.

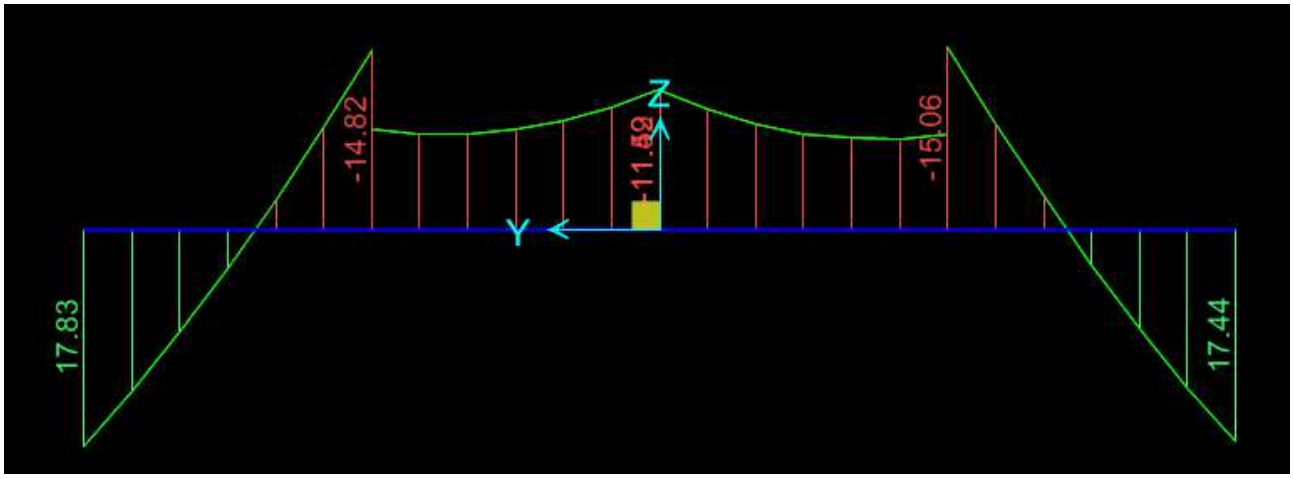
5.6.2 Traversi di campata

5.6.2.1 Sollecitazioni flettenti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

Si considera il traverso maggiormente sollecitato.

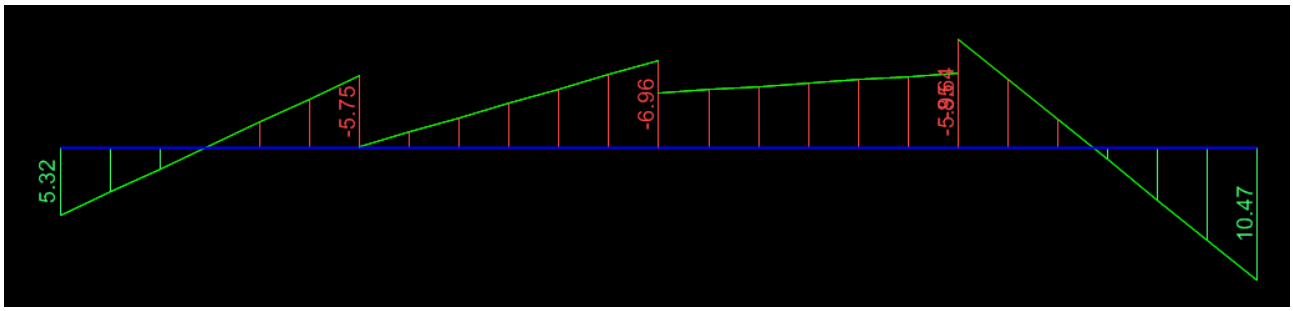
FASE 0



M_max = 18.00 kNm

M_min = -20.0 kNm

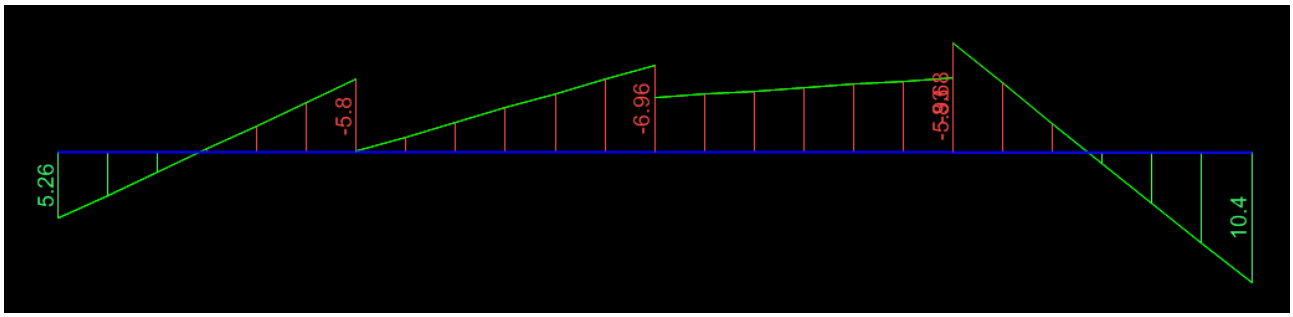
FASE 1A



M_max = 15.0 kNm

M_min = -10.0 kNm

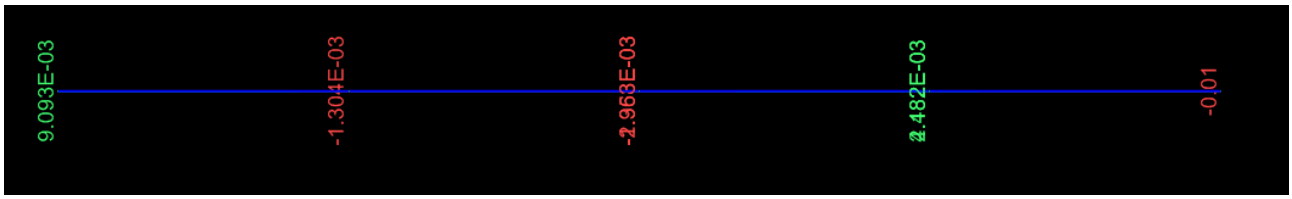
FASE 1B



M_max = 15.0 kNm

M_min = -10.0 kNm

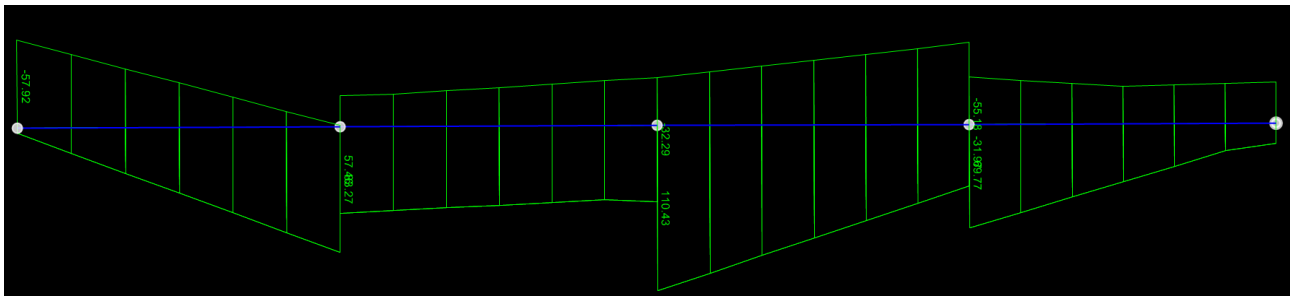
FASE 1C



M_max = 0.05 kNm

M_min = -0.05 kNm

FASE 2



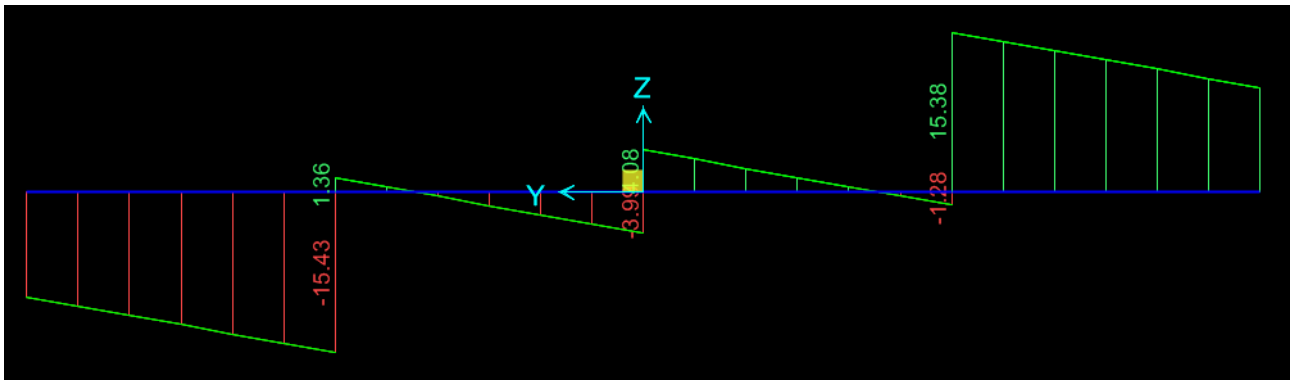
M_max = 110.4 kNm

M_min = -57.9 kNm

5.6.2.2 Sollecitazioni taglianti

Le sollecitazioni sopra esposte sono relative alla combinazione di carico SLU_STR_ENV

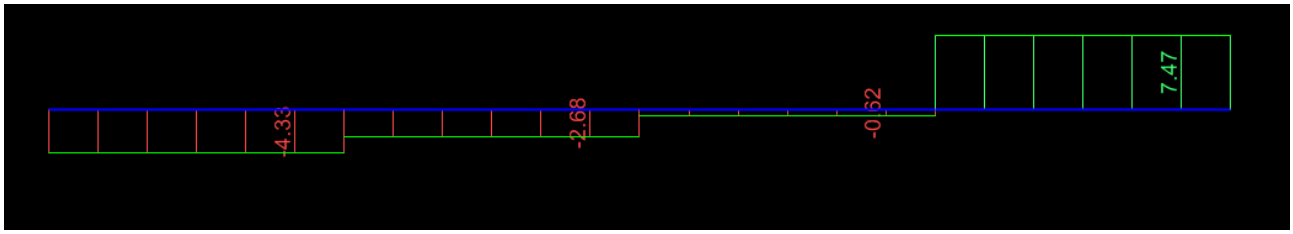
FASE 0



V_max = 18.0 kN

V_min = -18.0 kN

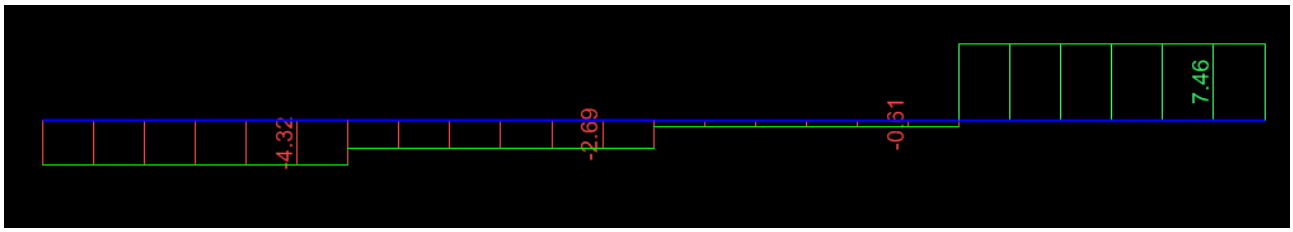
FASE 1A



V_max = 10.0 kN

V_min = -5.0 kN

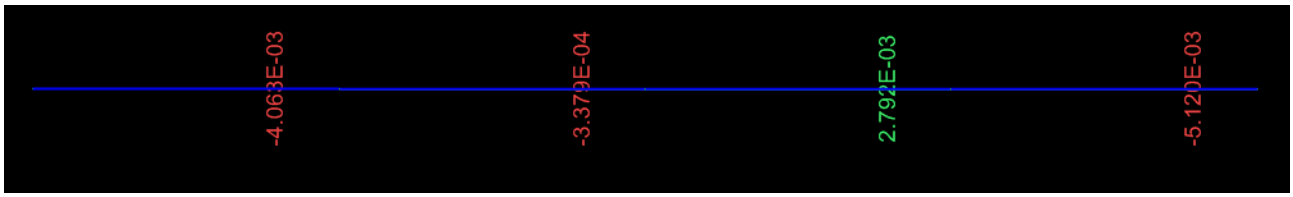
FASE 1B



V_max = 10.0 kN

V_min = -5.0 kN

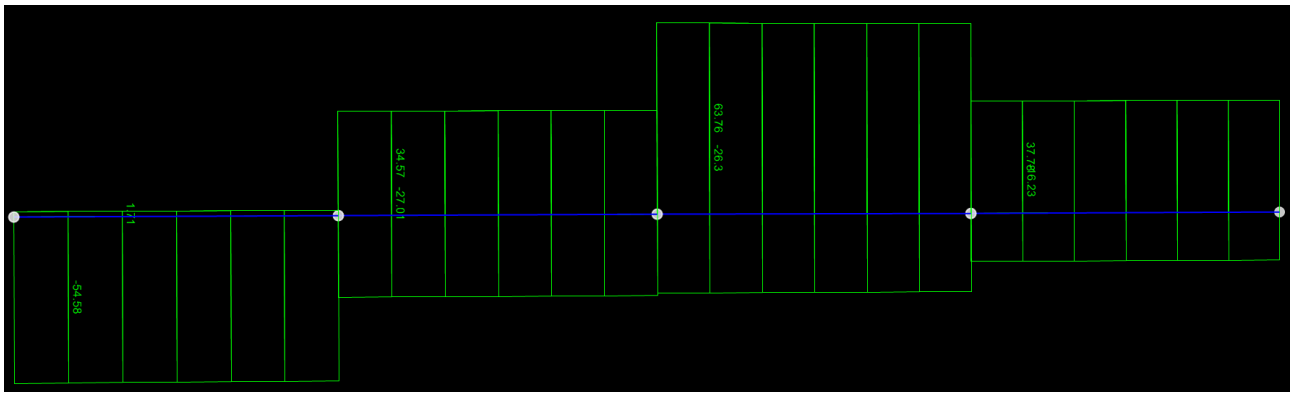
FASE 1C



V_max = 0.05 kN

V_min = 0.05 kN

FASE 2



V_max = 63.7 kN

V_min = -57.9 kN

5.6.2.3 Verifica traversi di Campata

Le sollecitazioni totali sono riferite ad una sezione ideale tipologica.

L'ente sollecitante è cosi composto:

SLU_t,iniz. → F0 + F1A + F2

N_max (di trazione) =640 kN

N_min (di compressione) = 340 kN

V_max = 92 kN

V_min = -81 kN

M_max = 143 kNm

M_min = -88 kNm

SLU_t,inf → F0 + F1B + F1C + F2

N_max (di trazione) =640 kN

N_min (di compressione) = 340 kN

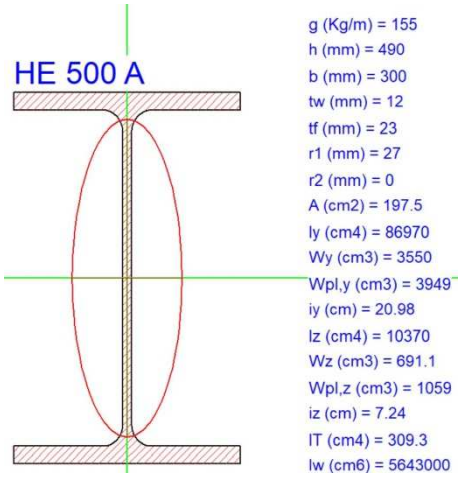
V_max = 92 kN

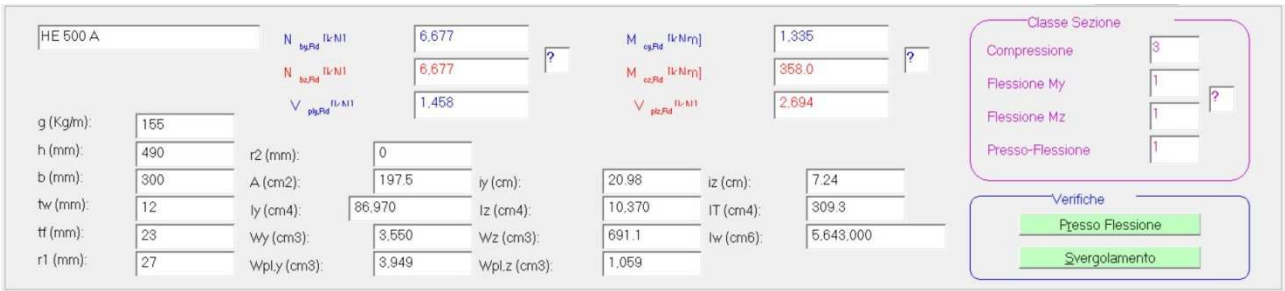
V_min = -81 kN

M_max = 143 kNm

M_min = -88 kNm

La verifica viene effettuata per mezzo del software Profili_suiteGelfi





Si possono osservare nell'immagine i valori delle resistenze del profilo metallico utilizzato.

Si fa notare che le sollecitazioni sono molto inferiori alle resistenze. Le verifiche per sollecitazioni "semplici" si ritengono soddisfatte.

A seguire si riportano le verifiche per sollecitazioni composte: verifica per pressoflessione e presso-flesso torsione.

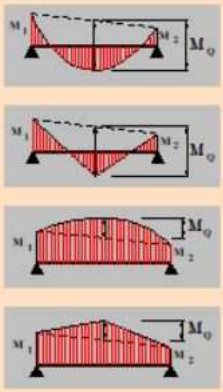
Verifica Presso-Flessione - EC3 (edizione 1992) #5.5.4.

HE 500 A | Acciaio S355 (Fe510) | fy (N/mm2) 355

N_{Sd} [kN] 340

Inflessione attorno all'asse	y - y	z - z
l_0 [m]	2.38	0
Snellezza λ	11.34	0
$N_{b,Rd}$ [kN]	6,677	6,677
$M_{1,Sd}$ [kNm]	143	0
$M_{2,Sd}$ [kNm]	88	0
M_Q [kNm]	116	0
β_M	1.313	1.313
μ	-0.092	0.532
k	1.004	0.974
$M_{c,Rd}$ [kNm]	1,335	358.0
M_{Sd} [kNm]	143	0

- Momenti all'estremità
- Momenti dovuti ai carichi laterali nel piano
- Momenti dovuti ai carichi laterali nel piano più momenti d'estremità



Selezionare diagramma

Resistenza della sezione 0.011 OK ?

Instabilità flesso-torsionale 0.158 OK ?

Flessione e compressione assiale - Classe 1 - EC3 #5.5.4.(1)

$$\frac{N_{Sd}}{N_{b,Rd,min}} + \frac{k_y M_{y,Sd}}{M_{cy,Rd1}} + \frac{k_z M_{z,Sd}}{M_{cz,Rd1}} = 0.051 + 0.108 + 0 = 0.158 \quad \text{OK}$$

Resistenza della membratura all'instabilità flesso-torsionale - EC3 (edizione 1992) #5....

HE 500 A

Acciaio S355 (Fe510)

fy (N/mm2) 355

z_a [mm] 0.0 L [m] 2.38 = l_{0z} [m]

Coefficienti C: ? Momenti all'estremità ? Carichi trasversali

C_1 1.132 C_2 0.459 C_3 1

Coefficienti di lunghezza efficace: k 1 k_w 1.0

Momento resistente di progetto all'instabilità flesso-torsionale (solo My) - EC3 #5.5.2.

M_{cr} [kNm] = 10,609 $M_{c,Rd}$ [kNm] = 1,335

$$\bar{\lambda}_{LT} = \sqrt{\frac{M_{c,Rd}\,\gamma_{M0}}{M_{cr}}} = 0.364 \qquad \chi_{LT} = 1 \qquad M_{b,Rd}\,[\text{kNm}] = 1,335$$

Resistenza all'instabilità flesso torsionale (flessione e compressione)- Classe 1/2 - EC3 #5.5.4. (2)

N_{Sd} [kN] 340 $M_{y,Sd}$ [kNm] 143 $M_{z,Sd}$ [kNm] 88

$$\frac{N_{Sd}}{N_{bz,Rd}} + \frac{k_{LT} M_{y,Sd}}{M_{b,Rd}} + \frac{k_z M_{z,Sd}}{M_{cz,Rd1}} = \frac{340}{6,677} + \frac{1 \times 143}{1,335} + \frac{0.974 \times 88}{358.0}$$

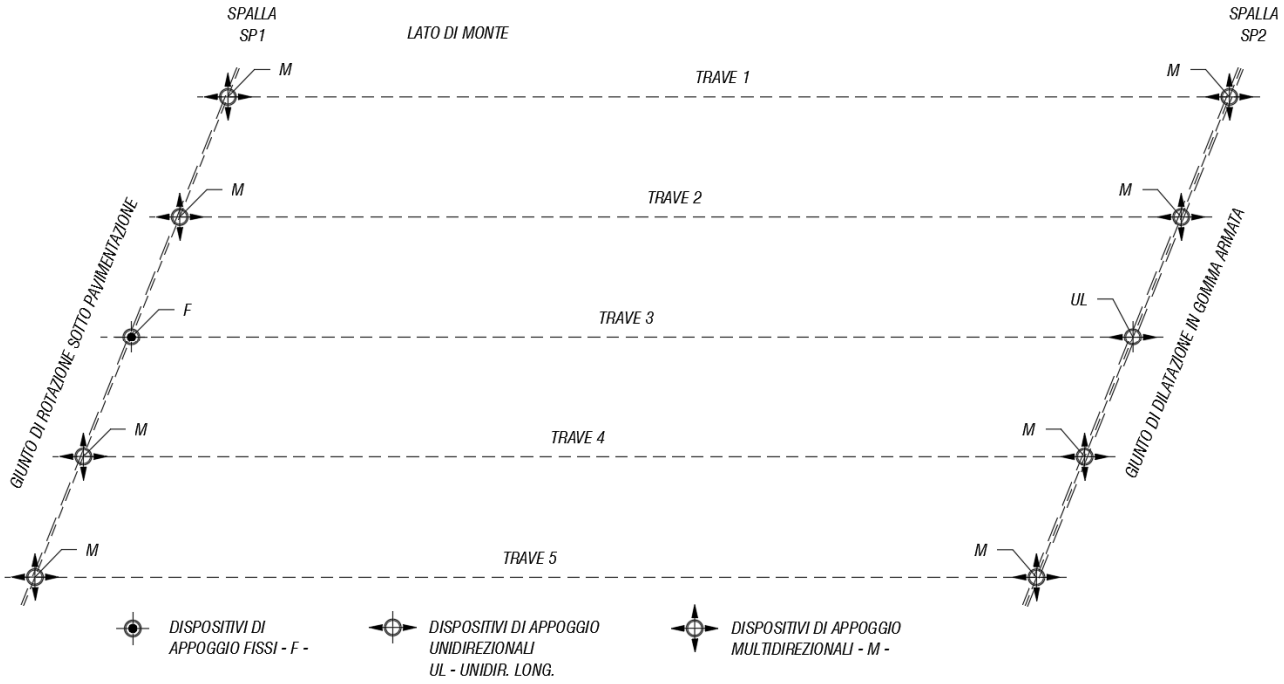
$$= 0.051 + 0.107 + 0.239 = 0.397 \quad \text{OK}$$

Dai prospetti esposti si evince che il profilo tipo risulta essere verificato alle sollecitazioni composte.

5.7 APPOGGI E GIUNTI

Il sistema di vincolamento dell'impalcato prevede appoggi rigidi. In particolare, la spalla S1 presenta: un appoggio fisso (F) sotto le travi T3; quattro appoggi multidirezionali (M) sotto le travi T1, T2, T4 e T5. La spalla S2 presenta: un appoggio traslazionale nella direzione longitudinale (UL) sotto la trave T3; quattro appoggi multidirezionali (M) sotto le travi T1, T2, T4 e T5.

SCHEMA GIUNTI ED APPOGGI



Nelle tabelle che seguono si elencano i valori calcolati per le principali azioni che sollecitano gli appoggi.

La convenzione utilizzata per indicare le reazioni vincolari è la seguente:

- F1: forza nella direzione longitudinale del ponte (1=rosso in figura);
- F2: forza nella direzione trasversale del ponte (2=verde in figura);
- F3: forza nella direzione verticale (3=ciano in figura).

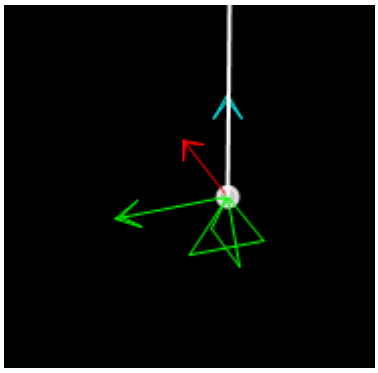


Figura 45 –Sistema di riferimento locale *Joint* nel modello di calcolo.

Lo stesso sistema di riferimento è valido per i momenti (M1, M2 e M3) che, dato lo schema statico, sono sempre nulli.

Carichi permanenti strutturali – Fase 0

FASE 0	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F0-1	_G1	Comb.		0.0	0.0	338.0	0.0	0.0	0.0
	T2	F0-3	_G1	Comb.		0.0	0.0	297.5	0.0	0.0	0.0
	T3	F0-5	_G1	Comb.		0.0	0.0	295.9	0.0	0.0	0.0
	T4	F0-7	_G1	Comb.		0.0	0.0	297.5	0.0	0.0	0.0
	T5	F0-9	_G1	Comb.		0.0	0.0	336.4	0.0	0.0	0.0
Spalla2	T1	F0-2	_G1	Comb.		0.0	0.0	336.4	0.0	0.0	0.0
	T2	F0-4	_G1	Comb.		0.0	0.0	297.5	0.0	0.0	0.0
	T3	F0-6	_G1	Comb.		0.0	0.0	295.9	0.0	0.0	0.0
	T4	F0-8	_G1	Comb.		0.0	0.0	297.5	0.0	0.0	0.0
	T5	F0-10	_G1	Comb.		0.0	0.0	338.0	0.0	0.0	0.0

Carichi permanenti non strutturali – Fase 1A (t=0) e fase 1B (t=inf.)

FASE 1A	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F1A-1	_G2	Comb.		0.0	0.0	155.6	0.0	0.0	0.0
	T2	F1A-3	_G2	Comb.		0.0	0.0	137.0	0.0	0.0	0.0
	T3	F1A-5	_G2	Comb.		0.0	0.0	135.9	0.0	0.0	0.0
	T4	F1A-7	_G2	Comb.		0.0	0.0	137.0	0.0	0.0	0.0
	T5	F1A-9	_G2	Comb.		0.0	0.0	155.4	0.0	0.0	0.0
Spalla2	T1	F1A-2	_G2	Comb.		0.0	0.0	154.8	0.0	0.0	0.0
	T2	F1A-4	_G2	Comb.		0.0	0.0	136.9	0.0	0.0	0.0
	T3	F1A-6	_G2	Comb.		0.0	0.0	135.9	0.0	0.0	0.0
	T4	F1A-8	_G2	Comb.		0.0	0.0	137.1	0.0	0.0	0.0
	T5	F1A-10	_G2	Comb.		0.0	0.0	156.1	0.0	0.0	0.0

FASE 1B	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F1B-1	_G2	Comb.		0.0	0.0	155.1	0.0	0.0	0.0
	T2	F1B-3	_G2	Comb.		0.0	0.0	137.3	0.0	0.0	0.0
	T3	F1B-5	_G2	Comb.		0.0	0.0	136.4	0.0	0.0	0.0
	T4	F1B-7	_G2	Comb.		0.0	0.0	137.3	0.0	0.0	0.0
	T5	F1B-9	_G2	Comb.		0.0	0.0	154.9	0.0	0.0	0.0
Spalla2	T1	F1B-2	_G2	Comb.		0.0	0.0	154.3	0.0	0.0	0.0
	T2	F1B-4	_G2	Comb.		0.0	0.0	137.2	0.0	0.0	0.0
	T3	F1B-6	_G2	Comb.		0.0	0.0	136.4	0.0	0.0	0.0
	T4	F1B-8	_G2	Comb.		0.0	0.0	137.4	0.0	0.0	0.0
	T5	F1B-10	_G2	Comb.		0.0	0.0	155.6	0.0	0.0	0.0

Ritiro – Fase 1C

FASE 1C	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F1C-1	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T2	F1C-3	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T3	F1C-5	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T4	F1C-7	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T5	F1C-9	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
Spalla2	T1	F1C-2	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T2	F1C-4	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T3	F1C-6	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T4	F1C-8	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0
	T5	F1C-10	_R	Comb.		0.0	0.0	0.0	0.0	0.0	0.0

Carichi variabili – Fase 2

FASE 2 (TRAFFICO)	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F2-1	C_Mob_ENV	Comb.	Max	0.0	0.0	39.6	0.0	0.0	0.0
	T1	F2-1	C_Mob_ENV	Comb.	Min	0.0	0.0	7.7	0.0	0.0	0.0
	T2	F2-3	C_Mob_ENV	Comb.	Max	0.0	0.0	33.0	0.0	0.0	0.0
	T2	F2-3	C_Mob_ENV	Comb.	Min	0.0	0.0	10.6	0.0	0.0	0.0
	T3	F2-5	C_Mob_ENV	Comb.	Max	0.0	0.0	9.2	0.0	0.0	0.0
	T3	F2-5	C_Mob_ENV	Comb.	Min	-431.5	-110.8	-68.4	0.0	0.0	0.0
	T4	F2-7	C_Mob_ENV	Comb.	Max	0.0	0.0	10.5	0.0	0.0	0.0
	T4	F2-7	C_Mob_ENV	Comb.	Min	0.0	0.0	-1.3	0.0	0.0	0.0
	T5	F2-9	C_Mob_ENV	Comb.	Max	0.0	0.0	30.4	0.0	0.0	0.0
	T5	F2-9	C_Mob_ENV	Comb.	Min	0.0	0.0	-10.3	0.0	0.0	0.0
Spalla2	T1	F2-2	C_Mob_ENV	Comb.	Max	0.0	0.0	40.2	0.0	0.0	0.0
	T1	F2-2	C_Mob_ENV	Comb.	Min	0.0	0.0	2.8	0.0	0.0	0.0
	T2	F2-4	C_Mob_ENV	Comb.	Max	0.0	0.0	11.9	0.0	0.0	0.0
	T2	F2-4	C_Mob_ENV	Comb.	Min	0.0	0.0	-13.4	0.0	0.0	0.0
	T3	F2-6	C_Mob_ENV	Comb.	Max	0.0	0.0	9.2	0.0	0.0	0.0
	T3	F2-6	C_Mob_ENV	Comb.	Min	0.0	-57.9	4.3	0.0	0.0	0.0
	T4	F2-8	C_Mob_ENV	Comb.	Max	0.0	0.0	18.0	0.0	0.0	0.0
	T4	F2-8	C_Mob_ENV	Comb.	Min	0.0	0.0	-1.8	0.0	0.0	0.0
	T5	F2-10	C_Mob_ENV	Comb.	Max	0.0	0.0	31.0	0.0	0.0	0.0
	T5	F2-10	C_Mob_ENV	Comb.	Min	0.0	0.0	-9.1	0.0	0.0	0.0

FASE 2 (VENTO)	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	F2-1	_Acc. Vento	Comb.		0.0	0.0	88.0	0.0	0.0	0.0
	T2	F2-3	_Acc. Vento	Comb.		0.0	0.0	74.2	0.0	0.0	0.0
	T3	F2-5	_Acc. Vento	Comb.		-39.6	98.6	26.8	0.0	0.0	0.0
	T4	F2-7	_Acc. Vento	Comb.		0.0	0.0	-4.2	0.0	0.0	0.0
	T5	F2-9	_Acc. Vento	Comb.		0.0	0.0	-12.6	0.0	0.0	0.0
Spalla2	T1	F2-2	_Acc. Vento	Comb.		0.0	0.0	90.8	0.0	0.0	0.0
	T2	F2-4	_Acc. Vento	Comb.		0.0	0.0	77.7	0.0	0.0	0.0
	T3	F2-6	_Acc. Vento	Comb.		0.0	144.8	41.6	0.0	0.0	0.0
	T4	F2-8	_Acc. Vento	Comb.		0.0	0.0	-17.5	0.0	0.0	0.0
	T5	F2-10	_Acc. Vento	Comb.		0.0	0.0	-13.9	0.0	0.0	0.0

Combinazione SLE caratteristica (rara)

FASE 0+1A+2

	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	586.0	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	554.0	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	512.1	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	489.7	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Max	-23.7	59.1	457.1	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Min	-455.3	-51.7	379.5	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	442.5	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	430.7	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	514.7	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	473.8	0.0	0.0	0.0
Spalla2	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	586.0	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	548.4	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	493.0	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	467.7	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Max	0.0	86.9	466.0	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Min	0.0	29.0	461.1	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	442.1	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	415.5	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	516.8	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	476.6	0.0	0.0	0.0

FASE 0+1B+1C+2

	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
F. 0+1B+1C+2	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	585.5	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	553.4	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	512.4	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	490.0	0.0	0.0	0.0
	T3	FISSO	C_SLE_rara_ENV	Comb.	Max	-23.7	59.1	457.5	0.0	0.0	0.0
	T3	FISSO	C_SLE_rara_ENV	Comb.	Min	-455.3	-51.7	379.9	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	442.8	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	430.9	0.0	0.0	0.0
	T5	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	514.2	0.0	0.0	0.0
	T5	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	473.4	0.0	0.0	0.0
Spalla2	T1	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	585.5	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	547.9	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	493.2	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	467.9	0.0	0.0	0.0
	T3	UNI-LONG	C_SLE_rara_ENV	Comb.	Max	0.0	86.9	466.4	0.0	0.0	0.0
	T3	UNI-LONG	C_SLE_rara_ENV	Comb.	Min	0.0	29.0	461.6	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	442.4	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	415.7	0.0	0.0	0.0
	T5	MULTI	C_SLE_rara_ENV	Comb.	Max	0.0	0.0	516.3	0.0	0.0	0.0
	T5	MULTI	C_SLE_rara_ENV	Comb.	Min	0.0	0.0	476.1	0.0	0.0	0.0

Combinazione SLU

FASE 0+1A+2

	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
F. 0+1A+2	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	822.4	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	779.1	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	718.5	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	688.3	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Max	-35.6	88.7	639.8	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Min	-618.2	-60.9	535.1	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	617.6	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	601.6	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	717.0	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	661.8	0.0	0.0	0.0
Spalla2	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	822.5	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	771.7	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	693.0	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	658.9	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Max	0.0	130.3	653.2	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Min	0.0	52.2	646.6	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	615.8	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	589.0	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	719.9	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	665.6	0.0	0.0	0.0

FASE 0+1B+1C+2

	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
F. 0+1B+1C+2	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	821.6	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	778.3	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	719.0	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	688.7	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Max	-35.6	88.7	640.5	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV	Comb.	Min	-618.2	-60.9	535.7	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	617.9	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	602.0	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	716.3	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	661.1	0.0	0.0	0.0
Spalla2	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	821.8	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	771.0	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	693.4	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	659.3	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Max	0.0	130.3	653.9	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Min	0.0	52.2	647.3	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	616.3	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	589.4	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	719.1	0.0	0.0	0.0
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	664.8	0.0	0.0	0.0

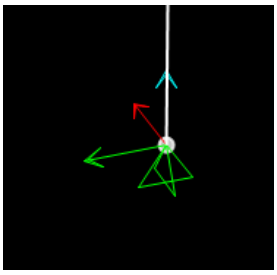
Combinazione SLV

	TABLE: Joint Reactions										
	Beam	Joint	OutputCase	CaseType	StepType	F1	F2	F3	M1	M2	M3
F.S.	Text	Text	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T1	FS-1	C_SLV_ENV	Comb.	Max	0.0	0.0	574.7	0.0	0.0	0.0
	T1	FS-1	C_SLV_ENV	Comb.	Min	0.0	0.0	401.8	0.0	0.0	0.0
	T2	FS-3	C_SLV_ENV	Comb.	Max	0.0	0.0	753.2	0.0	0.0	0.0
	T2	FS-3	C_SLV_ENV	Comb.	Min	0.0	0.0	105.5	0.0	0.0	0.0
	T3	FS-5	C_SLV_ENV	Comb.	Max	2286.2	1183.6	839.8	0.0	0.0	0.0
	T3	FS-5	C_SLV_ENV	Comb.	Min	-2286.2	-1183.6	15.2	0.0	0.0	0.0
	T4	FS-7	C_SLV_ENV	Comb.	Max	0.0	0.0	700.9	0.0	0.0	0.0
	T4	FS-7	C_SLV_ENV	Comb.	Min	0.0	0.0	166.2	0.0	0.0	0.0
	T5	FS-9	C_SLV_ENV	Comb.	Max	0.0	0.0	603.3	0.0	0.0	0.0
	T5	FS-9	C_SLV_ENV	Comb.	Min	0.0	0.0	400.7	0.0	0.0	0.0
Spalla2	T1	FS-2	C_SLV_ENV	Comb.	Max	0.0	0.0	581.4	0.0	0.0	0.0
	T1	FS-2	C_SLV_ENV	Comb.	Min	0.0	0.0	389.3	0.0	0.0	0.0
	T2	FS-4	C_SLV_ENV	Comb.	Max	0.0	0.0	700.1	0.0	0.0	0.0
	T2	FS-4	C_SLV_ENV	Comb.	Min	0.0	0.0	158.8	0.0	0.0	0.0
	T3	FS-6	C_SLV_ENV	Comb.	Max	0.0	1203.1	524.0	0.0	0.0	0.0
	T3	FS-6	C_SLV_ENV	Comb.	Min	0.0	-1203.1	331.4	0.0	0.0	0.0
	T4	FS-8	C_SLV_ENV	Comb.	Max	0.0	0.0	744.7	0.0	0.0	0.0
	T4	FS-8	C_SLV_ENV	Comb.	Min	0.0	0.0	122.9	0.0	0.0	0.0
	T5	FS-10	C_SLV_ENV	Comb.	Max	0.0	0.0	597.7	0.0	0.0	0.0
	T5	FS-10	C_SLV_ENV	Comb.	Min	0.0	0.0	410.9	0.0	0.0	0.0

Nelle tabelle che seguono si elencano i valori degli spostamenti e delle rotazioni degli appoggi.

La convenzione utilizzata per indicare le reazioni vincolari è la seguente:

- U1: spostamento nella direzione longitudinale del ponte (1=rosso in figura);
- U2: spostamento nella direzione trasversale del ponte (2=verde in figura);
- U3: spostamento nella direzione verticale (3=ciano in figura);
- R1: rotazione attorno all'asse 1;
- R2: rotazione attorno all'asse 2;
- R3: rotazione attorno all'asse 3.



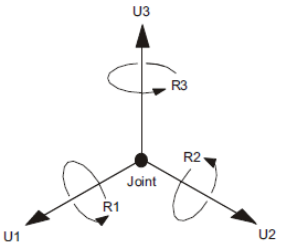


Figura 46 – Sistema di riferimento locale *Joint* nel modello di calcolo (sinistra); sei gradi di libertà *Joint* (destra).

Combinazione SLU: spostamenti e rotazioni

	TABLE: Joint Displacements										
	Beam	Joint	Output Case	Case Type	StepType	U1	U2	U3	R1	R2	R3
	Text	Text	Text	Text	Text	mm	mm	mm	Radians	Radians	Radians
Spalla1	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	2.3	0.0	0.0	3.95E-05	1.70E-02	6.48E-04
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	-1.0	-0.2	0.0	-1.72E-05	2.96E-03	2.20E-05
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	1.4	-0.1	0.0	7.96E-06	1.64E-02	6.18E-04
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	-0.6	-0.2	0.0	-3.85E-05	2.63E-03	-2.00E-05
	T3	FISSO	C_SLU_STR_ENV	Comb.	Max	0.0	0.0	0.0	1.77E-04	1.59E-02	6.05E-04
	T3	FISSO	C_SLU_STR_ENV	Comb.	Min	0.0	0.0	0.0	7.65E-05	2.48E-03	3.60E-05
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	0.6	-0.1	0.0	-2.27E-07	1.53E-02	5.92E-04
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	-0.9	-0.2	0.0	-2.21E-05	2.31E-03	2.80E-05
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	1.0	-0.1	0.0	3.54E-05	1.51E-02	5.79E-04
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	-1.8	-0.2	0.0	1.24E-05	2.16E-03	-4.49E-05
Spalla2	T1	MULTI	C_SLU_STR_ENV	Comb.	Max	31.4	-0.2	0.0	-1.10E-03	-2.75E-03	4.41E-04
	T1	MULTI	C_SLU_STR_ENV	Comb.	Min	-2.4	-1.3	0.0	-6.38E-03	-1.58E-02	-2.19E-04
	T2	MULTI	C_SLU_STR_ENV	Comb.	Max	30.0	-0.1	0.0	-9.88E-04	-2.43E-03	4.65E-04
	T2	MULTI	C_SLU_STR_ENV	Comb.	Min	-2.8	-0.7	0.0	-6.13E-03	-1.52E-02	-1.90E-04
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Max	28.7	0.0	0.0	-7.60E-04	-2.23E-03	3.70E-04
	T3	UNI-LONG	C_SLU_STR_ENV	Comb.	Min	-3.1	0.0	0.0	-5.77E-03	-1.47E-02	-1.53E-04
	T4	MULTI	C_SLU_STR_ENV	Comb.	Max	27.4	0.4	0.0	-8.74E-04	-2.15E-03	3.70E-04
	T4	MULTI	C_SLU_STR_ENV	Comb.	Min	-3.2	-0.2	0.0	-5.73E-03	-1.42E-02	-1.37E-04
	T5	MULTI	C_SLU_STR_ENV	Comb.	Max	26.3	1.0	0.0	-7.74E-04	-2.01E-03	4.43E-04
	T5	MULTI	C_SLU_STR_ENV	Comb.	Min	-3.3	-0.2	0.0	-5.59E-03	-1.40E-02	-9.30E-05

Combinazione SLV: spostamenti e rotazioni

	TABLE: Joint Displacements										
	Beam	Joint	Output Case	Case Type	StepType	U1	U2	U3	R1	R2	R3
	Text	Text	Text	Text	Text	mm	mm	mm	Radians	Radians	Radians
Spalla1	T1	MULTI	C_SLV_ENV	Comb.	Max	3.0	1.6	0.0	1.18E-03	2.96E-03	4.21E-04
	T1	MULTI	C_SLV_ENV	Comb.	Min	-2.6	-1.7	0.0	8.08E-04	2.05E-03	-2.22E-04
	T2	MULTI	C_SLV_ENV	Comb.	Max	2.3	1.6	0.0	1.18E-03	2.86E-03	3.32E-04
	T2	MULTI	C_SLV_ENV	Comb.	Min	-2.0	-1.7	0.0	7.89E-04	2.02E-03	-2.00E-04
	T3	FISSO	C_SLV_ENV	Comb.	Max	0.0	0.0	0.0	2.46E-03	3.59E-03	3.25E-04
	T3	FISSO	C_SLV_ENV	Comb.	Min	0.0	0.0	0.0	-5.07E-04	1.28E-03	-2.11E-04
	T4	MULTI	C_SLV_ENV	Comb.	Max	1.8	1.7	0.0	1.18E-03	2.89E-03	3.54E-04
	T4	MULTI	C_SLV_ENV	Comb.	Min	-2.1	-1.6	0.0	8.06E-04	2.07E-03	-2.61E-04
	T5	MULTI	C_SLV_ENV	Comb.	Max	1.9	2.0	0.0	1.23E-03	3.01E-03	3.41E-04
	T5	MULTI	C_SLV_ENV	Comb.	Min	-2.8	-1.7	0.0	8.70E-04	2.16E-03	-3.31E-04
Spalla2	T1	MULTI	C_SLV_ENV	Comb.	Max	7.2	1.5	0.0	-8.19E-04	-2.04E-03	3.60E-04
	T1	MULTI	C_SLV_ENV	Comb.	Min	1.2	-1.7	0.0	-1.22E-03	-2.97E-03	-3.18E-04
	T2	MULTI	C_SLV_ENV	Comb.	Max	6.8	1.4	0.0	-7.84E-04	-2.01E-03	3.59E-04
	T2	MULTI	C_SLV_ENV	Comb.	Min	1.2	-1.5	0.0	-1.17E-03	-2.88E-03	-2.45E-04
	T3	UNI-LONG	C_SLV_ENV	Comb.	Max	6.5	0.0	0.0	4.11E-04	-1.97E-03	3.33E-04
	T3	UNI-LONG	C_SLV_ENV	Comb.	Min	1.2	0.0	0.0	-2.37E-03	-2.90E-03	-2.00E-04
	T4	MULTI	C_SLV_ENV	Comb.	Max	6.3	1.4	0.0	-8.06E-04	-2.06E-03	3.28E-04
	T4	MULTI	C_SLV_ENV	Comb.	Min	1.2	-1.3	0.0	-1.19E-03	-2.89E-03	-1.77E-04
	T5	MULTI	C_SLV_ENV	Comb.	Max	6.2	1.2	0.0	-8.40E-04	-2.15E-03	4.27E-04
	T5	MULTI	C_SLV_ENV	Comb.	Min	1.2	-1.2	0.0	-1.21E-03	-3.01E-03	-1.99E-04

Il giunto pari a 100 mm è in grado di garantire le deformazioni soprariportate, sia per combinazione SLU che per combinazione SLV.

In considerazione delle sollecitazioni di progetto determinate ai capitoli precedenti, le caratteristiche prestazionali richieste per gli apparecchi di appoggio e giunti risultano quelle delle tabelle seguenti.

PRESTAZIONI RICHIESTE PER I DISPOSITIVI DI APPOGGIO (VALORI DI CALCOLO)												
ASSI DI APPOGGIO	DISPOSITIVI	COMB. SLU			COMB. SISMICA SLV			COMB. SLE - rara			SPOSTAMENTI	
		R_V [kN]	V_T [kN]	V_L [kN]	R_V [kN]	V_T [kN]	V_L [kN]	R_V [kN]	V_T [kN]	V_L [kN]	Long. [mm]	Trasv. [mm]
SP1	F	700	100	650	850	1300	2300	500	90	500	0	0
	M	850	0	0	800	0	0	600	0	0	± 5	±5
SP2	M	850	0	0	800	0	0	600	0	0	± 35	± 5
	UL	700	150	0	600	1300	0	500	90	0	± 35	0

6 SOTTOSTRUTTURE, MODELLAZIONE ANALISI E VERIFICHE

L'analisi strutturale della parte d'opera in oggetto ha preso in considerazione i carichi permanenti e variabili previsti dalla normativa applicata. Sono stati valutati gli stati sollecitativi di tutti gli elementi strutturali che compongono le opere.

Per tutti gli elementi si riportano in allegato le sollecitazioni allo SLU ed allo SLE derivanti dalle azioni statiche e sismiche combinate.

L'analisi del modello e le successive verifiche strutturali sono state eseguite con il metodo degli elementi finiti, utilizzando il software di calcolo strutturale ModeSt 8.21 (prodotto dalla Tecnisoft s.a.s. - Prato) che a sua volta si appoggia al solutore Xfinest 2016 (prodotto da Ce.A.S - Milano)

La geometria della struttura è stata definita mediante l'assegnazione delle coordinate geometriche dei nodi della struttura rispetto ad un sistema di riferimento fisso cartesiano ortogonale destrorso XYZ; tale riferimento ha gli assi X e Y orizzontali e l'asse Z verticale ascendente.

Le strutture (contenute nel piano verticale XZ) sono state poi modellate mediante elementi finiti bidimensionali(di tipo "shell")

Per ogni elemento del modello strutturale si individua, inoltre, un sistema di riferimento locale rispetto al quale sono state assegnate le proprietà geometriche ed inerziali ed i carichi sull'elemento, e rispetto al quale è fornita la risposta (in termini di spostamenti dei nodi e di caratteristiche di sollecitazione) dal codice di calcolo.

Gli assi del riferimento locale sono contrassegnati dalle lettere xyz ed il loro orientamento rispetto al riferimento globale XYZ è assegnato nel seguente modo:

- il primo asse (x) è diretto secondo l'asse dell'elemento, mentre gli altri due assi (y, z) giacciono in un piano ortogonale all'elemento e che viene definita dall'utente.

6.1 SPALLE

Si riportano, nei seguenti capitoli, i carichi, le sollecitazioni e le verifiche relative alle due spalle SP1 e Sp2.

Il calcolo è stato condotto tenendo conto delle seguenti azioni agenti sull'opera:

- peso proprio della struttura;
- peso del terreno a monte dell'opera;
- spinte del terreno a monte dell'opera;
- spinta dovuta al sovraccarico stradale;
- incremento di spinta sismica del terreno a tergo della spalla;
- forze di inerzia della struttura e del terreno solidale con l'opera.
- azione trasmesse dall'impalcato.

Le azioni suddette vengono di seguito esplicitate.

6.1.1 Azioni permanenti

6.1.1.1 Pesi propri strutturali

Il peso dei vari elementi strutturali sono stati calcolato considerando:

Peso specifico calcestruzzo $\gamma cls = 25\ kN/m^3$

6.1.1.2 Carichi permanenti

I pesi specifici e le caratteristiche geo-meccaniche delle terre, in quanto di pertinenza, assunti per la determinazione delle azioni permanenti risultano:

- Peso specifico binder + manto di usura 24.00 kN/m^3
- Peso specifico terreno 20.00 kN/m^3
- Angolo di resistenza a taglio 38°

I carichi permanenti non strutturali applicati al modello di calcolo alla base del plinto di fondazione sono sinteticamente riportati nella tabella seguente:

- Peso binder + manto di usura 24.00 kN/m^3
- Peso misto cementato 20.00 kN/m^3

6.1.1.3 Analisi della spinta statica misto cementato

A tergo delle spalle si prevede un terreno in misto cementato; per le valutazioni delle spinte dovute ad esso sono state utilizzate a favore di sicurezza, le caratteristiche seguenti:

Peso dell'unità di volume $\gamma t = 20\ kN/m^3$.

Angolo di attrito interno $\phi = 38°$

Coesione efficace $c' = 0$

Angolo che la parete forma con l'orizzontale $\beta = 90°$

Angolo d'attrito terreno-muro; $\delta = 0$

L'entità e la distribuzione delle spinte del terreno sulla spalla dipendono dallo spostamento relativo che lo stesso può subire; le opere in oggetto sono previste su fondazioni indirette con pali trivellati che consentono di considerare le deformazioni del terreno limitate dalla struttura; per cui la pressione esercitata è una spindist

ta a riposo espressa secondo la teoria di Coulomb dalla seguente relazione:

$$S = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot K0$$

dove:

$K_0 = 1\text{-sen}(\phi/g_{\phi(M1)}) = 1\text{-sen}(38°/1) = 0.384$

6.1.2 Azioni variabili

6.1.2.1 Incremento di spinta dovuto al sovraccarico stradale

La presenza di un sovraccarico stradale uniformemente distribuito sul rilevato comporta un'ulteriore spinta sulla spalla risultante da un diagramma delle pressioni costante con la profondità.

Intendendo per q il sovraccarico per metro lineare di proiezione orizzontale del valore di 20 kN/m2, la spinta in esame vale:

$$S_q = q \cdot H \cdot K_0 .$$

L'entità di spinta viene inserita nel modello di calcolo come carico rettangolare di intensità costante

6.1.3 Azioni dovute al sisma

6.1.3.1 Spinta del terreno in condizioni sismiche

In condizioni sismiche l'entità e la distribuzione delle spinte del terreno sulla spalla dipendono dall'intensità del sisma, dalla risposta locale del terreno di fondazione e dalla deformabilità dell'opera.

Il D.M 17/01/2018 consente l'utilizzo di metodi pseudo-statici per il calcolo dell'incremento di spinta sull'opera dovuto al sisma. Il metodo applicato in sede di progettazione è quello di Mononobe-Okabe, basato sull'equilibrio limite globale di un cuneo di terreno soggetto alle forze indotte dal sisma, ipotizzando che l'opera possa subire movimenti tali da produrre nel terreno retrostante un regime di spinta attiva e che il terreno interno al cuneo di spinta si comporta come un corpo rigido.

Le componenti verticali ed orizzontali dell'azione sismica sono considerate costanti in tutti i punti della massa.

La spinta sismica (statica + dinamica) vale:

$$S_s = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot (1 \pm k_v) \cdot K'_a$$

dove, se $\beta \leq \varphi - \vartheta$:

$$K'_a = \frac{\sin^2(\beta + \phi - \vartheta)}{\cos\vartheta \cdot \sin^2\beta \cdot \sin(\beta - \delta - \vartheta) \cdot \left[1 + \left(\frac{\sin(\phi + \delta) \cdot \sin(\phi - \varepsilon - \vartheta)}{\sin(\phi - \delta - \vartheta) \cdot \sin(\beta + \varepsilon)}\right)^{0.5}\right]^2}$$

altrimenti, se $\beta > \phi - \vartheta$:

$$K'_a = \frac{\sin^2(\beta + \phi - \vartheta)}{\cos\vartheta \cdot \sin^2\beta \cdot \sin(\beta - \vartheta - \delta)} .$$

Nelle relazioni sopra elencate, i simboli hanno i seguenti significati:

ϑ = angolo definito come: $\tan(\vartheta) = \frac{k_h}{(1 \pm k_v)}$

$k_h = \beta_m \cdot \frac{a_{max}}{g}$, coefficiente di intensità sismica orizzontale

$k_v = 0.5 \cdot k_h$ = coefficiente di intensità sismica verticale

amax = accelerazione orizzontale massima attesa al sito

g = accelerazione di gravità

βm = coefficiente di riduzione dell'accelerazione massima attesa al sito.

Quest'ultimo parametro assume i valori riportati nella tabella seguente come da DM 17/01/2018.

Tab. 7.11.I – *Coefficienti di riduzione dell'accelerazione massima attesa al sito*

	Categoria di sottosuolo	
	A	B, C, D, E
	β_s	β_s
$0,2 < a_g(g) \leq 0,4$	0,30	0,28
$0,1 < a_g(g) \leq 0,2$	0,27	0,24
$a_g(g) \leq 0,1$	0,20	0,20

Figura 47 – Coefficiente di riduzione dell'accelerazione massima attesa al sito

Nel caso di spalle il coefficiente βm è stato assunto pari ad 1.

La normativa prescrive di applicare separatamente la spinta statica e dinamica, quest'ultima come incremento di spinta.

Per quanto concerne l'incremento di spinta, si calcola la differenza tra la spinta sismica totale e la spinta statica attiva. Si ricava un diagramma delle pressioni del terreno costante, per cui il punto di applicazione della spinta si trova in corrispondenza di 0.5·H rispetto alla base della platea.

Per le analisi in condizioni sismiche della spalla in oggetto sono utilizzati i seguenti valori:

categoria di suolo	C;
massima accelerazione orizzontale al suolo (SLV):	agmax/g = 0.253;
coefficiente di amplificazione stratigrafica:	SS = 1.446;
coefficiente di amplificazione topografica:	ST = 1.000;
coefficiente di riduzione di amax:	βm = 1;
coefficiente di intensità sismica orizzontale	kh = 0.253;
coefficiente di intensità sismica verticale	kv = 0.1265.

Coefficiente di spinta sismica (-kv) $K_{AE}^{-}=0.369$

Coefficiente di spinta sismica (+kv) $K_{AE}^{-}=0.431$

6.1.3.2 Forze di inerzia della struttura e del terreno solidale con l'opera

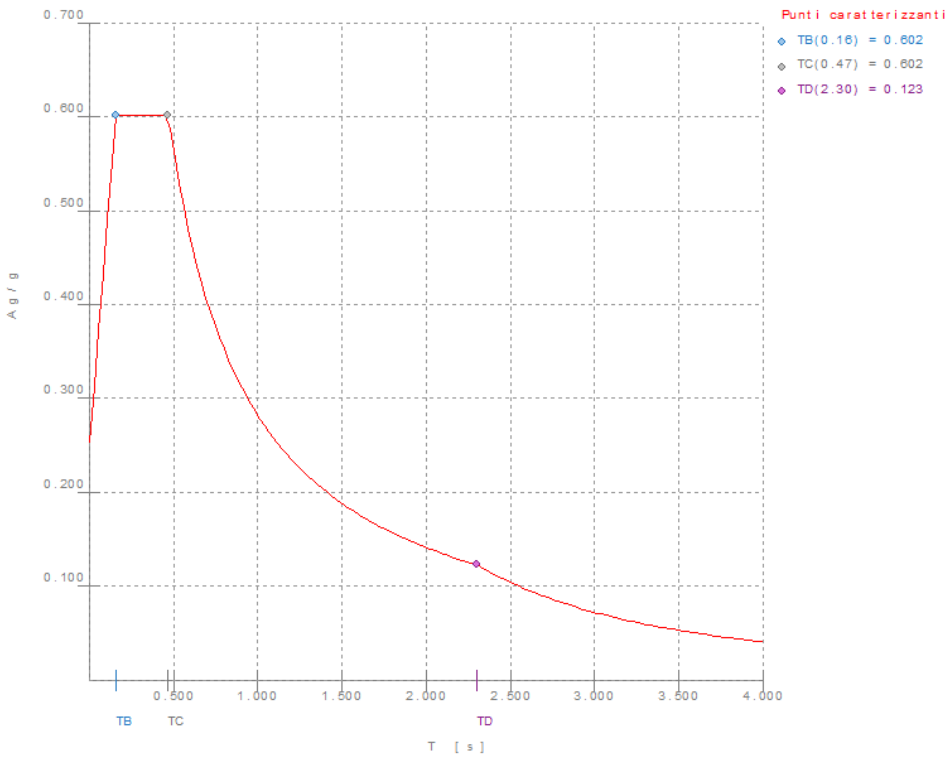
In presenza di sisma l'opera è soggetta alle forze di inerzia della parte strutturale e del terreno a monte solidale con la stessa, date dalle seguenti:

Fih = kh·W Forze di inerzia orizzontali

Fiv = kv·W Forze di inerzia verticali

dove W è il peso del corpo spalla.

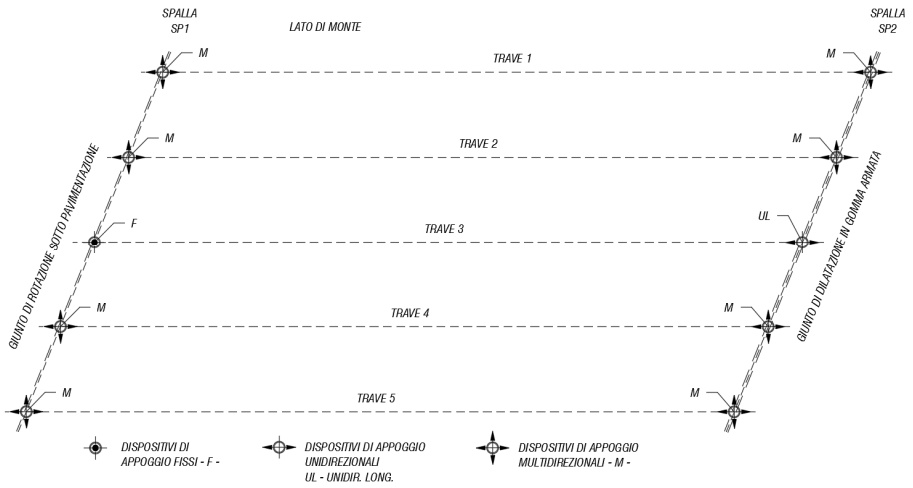
Ai fini del calcolo delle due spalle, bisogna distunguere il caso in cui tratteremo la verifica della spalla fissa da quella mobile. Per quanto riguarda la spalla fissa ai sensi del paragrafo 7.9.5.4.2 delle NTC18 le forze di inerzia agenti sulla massa della spalla del terreno agente sulla sua fondazione e dalle reazioni trasmesse dell'impalcato saranno calcolate in base all'accelerazione valutata con lo spettro di progetto in corrispondenza del periodo T_B, quindi Kh=Se(Tb*)



Nel caso di spalla mobile invece le forze di inerzia saranno valutate considerando un'accelerazione pari ad *ag*S=kh*

6.1.4 Azioni trasmesse dall'impalcato

Le sollecitazioni elementari trasmesse dall'impalcato sulle spalle a quota piano appoggi sono riportate nelle tabelle seguenti, secondo un sistema di riferimento XYZ che presenta l'asse X tangente all'asse di tracciamento in corrispondenza del punto di intersezione con l'asse appoggi, l'asse Y ortogonale a questo e l'asse Z positivo verso l'alto, inoltre i valori vengono organizzati in funzione del numero di trave che viene fissato da monte verso valle in modo che la trave 1 sia quella a monte. Si riporta lo schema appoggi dell'impalcato per una maggiore chiarezza.



Nelle tabelle sottostanti si riportano invece le reazioni sulle spalle per le varie combinazioni di calcolo:

SLV

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
max	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLV_ENV				0.0	0.0	574.7	0.0	0.0	0.0
	T4	MULTI	C_SLV_ENV				0.0	0.0	753.2	0.0	0.0	0.0
	T3	FISSO	C_SLV_ENV				2651.0	1280.0	839.8	0.0	0.0	0.0
	T2	MULTI	C_SLV_ENV				0.0	0.0	700.9	0.0	0.0	0.0
	T1	MULTI	C_SLV_ENV				0.0	0.0	603.3	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLV_ENV				0.0	0.0	581.4	0.0	0.0	0.0
	T4	MULTI	C_SLV_ENV				0.0	0.0	700.1	0.0	0.0	0.0
	T3	UNI-LONG	C_SLV_ENV				0.0	1280.0	524.0	0.0	0.0	0.0
	T2	MULTI	C_SLV_ENV				0.0	0.0	744.7	0.0	0.0	0.0
	T1	MULTI	C_SLV_ENV				0.0	0.0	597.7	0.0	0.0	0.0

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
min	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLV_ENV				0.0	0.0	401.8	0.0	0.0	0.0
	T4	MULTI	C_SLV_ENV				0.0	0.0	105.5	0.0	0.0	0.0
	T3	FISSO	C_SLV_ENV				-2651.0	-1280.0	15.2	0.0	0.0	0.0
	T2	MULTI	C_SLV_ENV				0.0	0.0	166.2	0.0	0.0	0.0
	T1	MULTI	C_SLV_ENV				0.0	0.0	400.7	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLV_ENV				0.0	0.0	389.3	0.0	0.0	0.0
	T4	MULTI	C_SLV_ENV				0.0	0.0	158.8	0.0	0.0	0.0
	T3	UNI-LONG	C_SLV_ENV				0.0	-1280.0	331.4	0.0	0.0	0.0
	T2	MULTI	C_SLV_ENV				0.0	0.0	122.9	0.0	0.0	0.0
	T1	MULTI	C_SLV_ENV				0.0	0.0	410.9	0.0	0.0	0.0

SLU

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
max	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	822.4	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	719.0	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV				-35.6	88.7	640.5	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	617.9	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	717.0	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	822.5	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	693.4	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV				0.0	130.3	653.9	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	616.3	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	719.9	0.0	0.0	0.0

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
min	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	778.3	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	688.3	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV				-618.2	-60.9	535.1	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	601.6	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	661.1	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	771.0	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	658.9	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV				0.0	52.2	646.6	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	589.0	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	664.8	0.0	0.0	0.0

SLE RARA

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
max	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLE_rara_ENV				0.0	0.0	586.0	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV				0.0	0.0	512.4	0.0	0.0	0.0
	T3	FISSO	C_SLE_rara_ENV				-23.7	59.1	457.5	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV				0.0	0.0	442.8	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV				0.0	0.0	514.7	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLE_rara_ENV				0.0	0.0	586.0	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV				0.0	0.0	493.2	0.0	0.0	0.0
	T3	UNI-LONG	C_SLE_rara_ENV				0.0	86.9	466.4	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV				0.0	0.0	442.4	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV				0.0	0.0	516.8	0.0	0.0	0.0

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
min	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLE_rara_ENV				0.0	0.0	553.4	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV				0.0	0.0	489.7	0.0	0.0	0.0
	T3	FISSO	C_SLE_rara_ENV				-455.3	-51.7	379.5	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV				0.0	0.0	430.7	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV				0.0	0.0	473.4	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLE_rara_ENV				0.0	0.0	547.9	0.0	0.0	0.0
	T4	MULTI	C_SLE_rara_ENV				0.0	0.0	467.7	0.0	0.0	0.0
	T3	UNI-LONG	C_SLE_rara_ENV				0.0	29.0	461.1	0.0	0.0	0.0
	T2	MULTI	C_SLE_rara_ENV				0.0	0.0	415.5	0.0	0.0	0.0
	T1	MULTI	C_SLE_rara_ENV				0.0	0.0	476.1	0.0	0.0	0.0

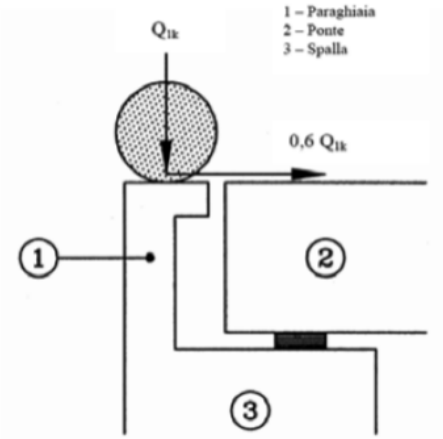
SLE QUASI PERMANENTE

TABLE: Joint Reactions

	Beam	Joint	OutputCase	CaseType	StepType	StepNum	F1	F2	F3	M1	M2	M3
max	Text	Text	Text	Text	Text	Unitless	KN	KN	KN	KN-m	KN-m	KN-m
Spalla1	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	460.4	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	457.6	0.0	0.0	0.0
	T3	FISSO	C_SLU_STR_ENV				0.0	0.0	399.2	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	399.3	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	397.1	0.0	0.0	0.0
Spalla2	T5	MULTI	C_SLU_STR_ENV				0.0	0.0	397.3	0.0	0.0	0.0
	T4	MULTI	C_SLU_STR_ENV				0.0	0.0	403.4	0.0	0.0	0.0
	T3	UNI-LONG	C_SLU_STR_ENV				0.0	0.0	403.7	0.0	0.0	0.0
	T2	MULTI	C_SLU_STR_ENV				0.0	0.0	474.1	0.0	0.0	0.0
	T1	MULTI	C_SLU_STR_ENV				0.0	0.0	476.4	0.0	0.0	0.0

6.2 Progetto e verifica del paraghiaia

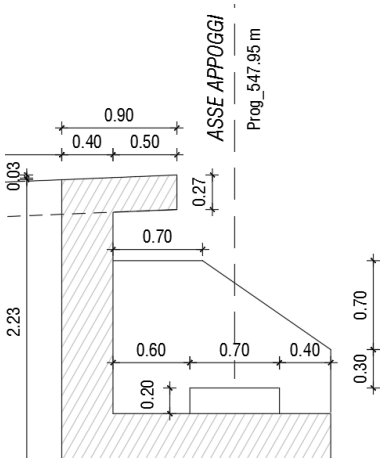
Per il solo dimensionamento del paraghiaia si considera un'azione longitudinale di frenamento di valore caratteristico pari al 60% del carico asse Q1k = 300kN (Circolare Consiglio Sup. LL.PP. 21 gennaio 2019 n° 7 al p.to C5.1.3.3.5.2).



Per la determinazione delle sollecitazioni di verifica per unità di lunghezza del paraghiaia, i valori di carico concentrato vengono spalmati sulla larghezza di ripartizione individuata considerando una ripartizione a 45° fino alla sezione di incastro. Sapendo che il paraghiaia è alto 1.90 m la lunghezza di ripartizione delle sollecitazioni sarà pari a B = 2 *1.90 m = 3.80 m.

Si tiene conto anche della spinta del terreno a tergo del muro di spalla.

Nell'immagine successiva si riporta il paraghiaia della spalla 1 il quale risulta essere quello maggiormente sollecitato.



Lo schema strutturale che si adotta è quello di mensola incastrata sul muro di spalla di altezza pari a 2.0 m, caricata con i seguenti carichi:

- Terreno laterale – peso di volume 20 kN/mc – Spinta terreno S=40 kN/m applicati a 0.6 m dalla sezione di incastro.

- Carico accidentale verticale – Q1k = 300 kN – a favore di sicurezza nello schema strutturale non viene considerato.
- Carico accidentale orizzontale – 0.6 Q1k = 180 kN – applicato in testa al paraghiaia.

Le sollecitazioni, approssimate per eccesso, presenti alla sezione di incastro sono:

		SLU	SLE-rara
CARICO TERRENO	M [kNm/m]	1.5*40*0.667 = 40 kNm/m	40*0.667 = 27 kNm/m
	T [kN/m]	1.5*40 = 60 kN/m	40 kN/m
CARICO ACCIDENTALE	M [kNm/m]	1.35*(180*2/3.80) = 128 kNm/m	(180*2/3.80) = 95 kNm/m
	T [kN/m]	1.35*(180/3.80) = 65 kN/m	(180/3.80) = 47.5 kN/m
CARICO TOTALE	M [kNm/m]	40+128 = 168 kNm/m	27+95 = 122 kNm/m
	T [kN/m]	60+65 = 125 kN/m	40+47.5 = 87.5 kN/m

6.2.1.1 Verifica a flessione SLU

La verifica viene eseguita considerando una sezione rettangolare di dimensione b=100cm h=40cm, armata sia superiormente che inferiormente con 5+5 ø24. La verifica a taglio viene eseguita come sezione non armata a taglio. Le verifiche saranno eseguite utilizzando a favore di sicurezza un cls di C30/37.

ARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C30/37	
	Resistenza compress. di progetto fcd:	170.00	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	328360	daN/cm²
	Resis. media a trazione fctm:	29.00	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	180.00	daN/cm²
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	100.0	cm
Altezza:	40.0	cm
Barre inferiori:	5Ø24	(22.6 cm²)
Barre superiori:	5Ø24	(22.6 cm²)
Coprif.Inf.(dal baric. barre):	6.0	cm

Coprif.Sup.(dal baric. barre): 6.0 cm
Coprif.Lat. (dal baric.barre): 4.0 cm

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	0	16800	12500	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	0	11900

RISULTATI DEL CALCOLO

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver S = combinazione verificata / N = combin. non verificata
N Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic. Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d Rapp. di duttilità (travi e solette)[§ 4.1.1.1 NTC]: deve essere < 0.45
C.Rid. Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	0	16800	-27	27690	1.688	33.9	0.18	0.70	22.6 (5.7)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max Deform. unit. massima del conglomerato a compressione
Yc max Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	40.0	0.00009	34.0	-0.01585	6.0

VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI (§ 4.1.2.1.3.1 NTC)

Ver S = comb.verificata a taglio/ N = comb. non verificata
Ved Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d Altezza utile sezione [cm]
bw Larghezza minima sezione [cm]
Ro Rapporto geometrico di armatura longitudinale [<0.02]

Scp Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	12500	19555	34.0	100.0	0.0067	0.0

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver S = combinazione verificata / N = combin. non verificata
Sc max Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff. Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff. Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff. Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre Distanza in cm tra le barre tese efficaci.
(D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	56.5	40.0	0.0	29.0	-1765	34.0	9.7	966	22.6	22.0

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver Esito verifica
e1 Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2 Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
K2 = 0.5 per flessione; =(e1 + e2)/(2*e2)in trazione eccentrica per la (7.13)EC2 e la (C4.1.11)NTC
Kt fattore di durata del carico di cui alla (7.9) dell'EC2
e sm Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm Distanza massima in mm tra le fessure
wk Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess. Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00111	0.00042	0.50	0.60	0.000529 (0.000529)	337	0.179 (990.00)	9662

6.3 Progetto e verifica baggioli

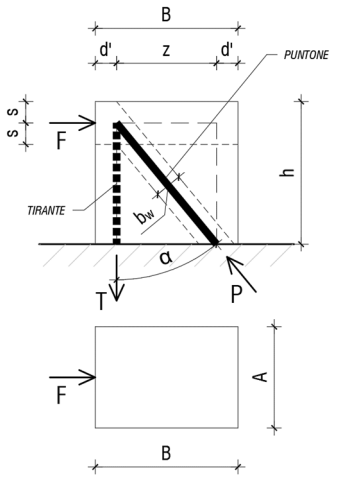
I baggioli su spalla su cui vengono disposti i dispositivi di appoggio, si analizzano e verificano come mensole tozze a cui viene applicato un taglio in testa prodotto dalle azioni provenienti dall'impalcato.

Si ipotizza un taglio di progetto allo SLU pari a 650 kN in direzione longitudinale e 100 kN in direzione trasversale (si vedano le rezioni degli appoggi al § 5.7).

Il baggiolo in pianta ha una dimensione di circa 0.75 x 0.75 m con altezza pari a 20 cm.

La verifica di tale elemento si articola con la verifica di un elemento a mensola tozza caricato con azione di taglio in testa. L'analisi si conduce tramite il metodo del tirante puntone. Nello schema successivo si può osservare lo schema descritto.

A favore di sicurezza si trascura la presenza dello sforzo normale proveniente dall'impalcato.



Come armatura del tirante si ipotizza l'inserimento di 5Ø20 in entrambe le direzioni.

Si riporta la verifica strutturale di tale elemento.

MATERIALI			
CLS - TIPO	C32/40	fck [N/mmq]	32.00
		fcd [N/mmq]	18.13
		fbd [N/mmq]	3.18
ACC - TIPO	B450C	fyk [N/mmq]	450.00
		fyd [N/mmq]	391.30

GEOMETRIA				
Base sez. mensola	B [mm]	750		
Altezza sez. mensola	A [mm]	750		
Altezza mensola	h [mm]	200		
Posizione forza	s [mm]	50		
distanza	d' [mm]	45		
distanza	z [mm]	660		
Angolo incl. Biella compressa	α [rad]	1,347319726	--> [deg]	77,19573393
Spessore biella compressa	bw [mm]	97,51		
Verifica analisi mensola da EC.2		Ok analisi		

ANALISI DEGLI SFORZI INTERNI E VERIFICA

Azione agente - SLU	F [kN]	650.00
Azione tirante	T [kN]	147.73
Azione puntone	P [kN]	666.58
Resistenza puntone compresso	**P_{Rc} [kN]**	693.86
coeff. Di riduzione	v	0.5232
	Ok Verifica	**Ok Verifica**
Armatura minima tirante	Asmin [mm2]	377.53
Armatura di progetto	As [mm2]	1540
Resistenza tirante	**T_{Rs} [kN]**	602.61
	Ok Verifica	**Ok Verifica**
Verifica di gerarchia	**$T_{Rs} < P_{Rc}$**	Ok Verifica

6.4 Progetto e verifica dispositivi di fine corsa

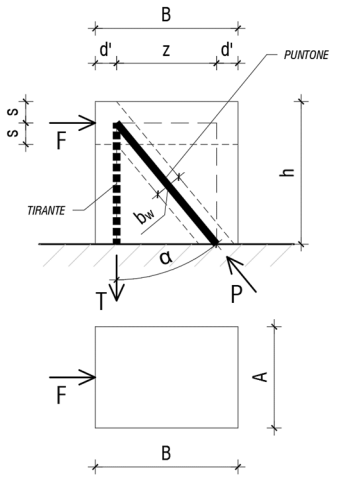
I dispositivi vi fine corsa sono ritegni trasversali in c.a. che hanno la funzione di contenere un eventuale sbandamento della trave dovuto ad un possibile urto laterale che incide sull'impalcato.

Per il caso in esame un urto laterale può essere provocato da macchine lavoratrici per la pulizia del fondo alveo.

Si ipotizza un urto totale trasversale dovuto alla rottura dei dispositivi di appoggio di 1300 kN (si vedano le rezioni degli appoggi al § 5.7) che impatta sui muri di ritegno sismico. Data la presenza di due muri di ritegno, si considera una forza orizzontale pari a 650 kN agente su ciascuno di essi. Tale urto viene a favore di sicurezza applicato direttamente al fine corsa di progetto.

La forza di urto viene considerata come azione eccezionale quindi si considera come azione allo SLU.

La verifica di tale elemento si articola con la verifica di un elemento a mensola tozza caricato con azione di taglio in testa. L'analisi si conduce tramite il metodo del tirante puntone. Nello schema successivo si può osservare lo schema descritto.



Come armatura del tirante si ipotizza l'inserimento di 6Ø20.

MATERIALI			
CLS - TIPO	C32/40	fck [N/mmq]	32.00
		fcd [N/mmq]	18.13
		fbd [N/mmq]	3.18
ACC - TIPO	B450C	fyk [N/mmq]	450,00
		fyd [N/mmq]	391,30

GEOMETRIA				
Base sez. mensola	B [mm]	430		
Altezza sez. mensola	A [mm]	750		
Altezza mensola	h [mm]	500		
Posizione forza	s [mm]	150		
distanza	d' [mm]	40		
distanza	z [mm]	350		
Angolo incl. Biella compressa	α [rad]	0,785398163	--> [deg]	45
Spessore biella compressa	bw [mm]	212,13		

Verifica analisi mensola da EC.2 **Ok analisi**

ANALISI DEGLI SFORZI INTERNI E VERIFICA

Azione agente - SLU	F [kN]	650.00
Azione tirante	T [kN]	650.00
Azione puntone	P [kN]	919.24
Resistenza puntone compresso	**P_{Rc} [kN]**	1509.43
coeff. Di riduzione	v	0.5232
	Ok Verifica	**Ok Verifica**
Armatura minima tirante	Asmin [mm2]	1661.11
Armatura di progetto	As [mm2]	1885
Resistenza tirante	**T_{Rs} [kN]**	737.61
	Ok Verifica	**Ok Verifica**
Verifica di gerarchia	**$T_{Rs} < P_{Rc}$**	Ok Verifica

6.5 Muro frontale spalla 1

La geometria della struttura è stata definita mediante l'assegnazione delle coordinate geometriche dei nodi della struttura rispetto ad un sistema di riferimento fisso cartesiano ortogonale destrorso XYZ; tale riferimento ha gli assi X e Y orizzontali e l'asse Z verticale ascendente.

Le strutture sono state poi modellate mediante elementi finiti bidimensionali (di tipo "shell")

Per ogni elemento del modello strutturale si individua, inoltre, un sistema di riferimento locale rispetto al quale sono state assegnate le proprietà geometriche ed inerziali ed i carichi sull'elemento, e rispetto al quale è fornita la risposta (in termini di spostamenti dei nodi e di caratteristiche di sollecitazione) dal codice di calcolo.

Gli assi del riferimento locale sono contrassegnati dalle lettere xyz ed il loro orientamento rispetto al riferimento globale XYZ è assegnato nel seguente modo:

- il primo asse (x) è diretto secondo l'asse dell'elemento, mentre gli altri due assi (y, z) giacciono in un piano ortogonale all'elemento e che viene definita dall'utente.

Per tener conto dell'eccentricità di scarico delle travi di acciaio in corrispondenza dei punti di appoggio della spalla il carico è stato risportato sull'elemento bidimensionale per mezzo di un coppia di aste infinatamente rigide prive di peso. Per quanto riguarda i pali questi sono stati modellati come appoggi infinitamente rigidi.

Lo spessore degli elementi shell e riportato nell'immagine seguente.

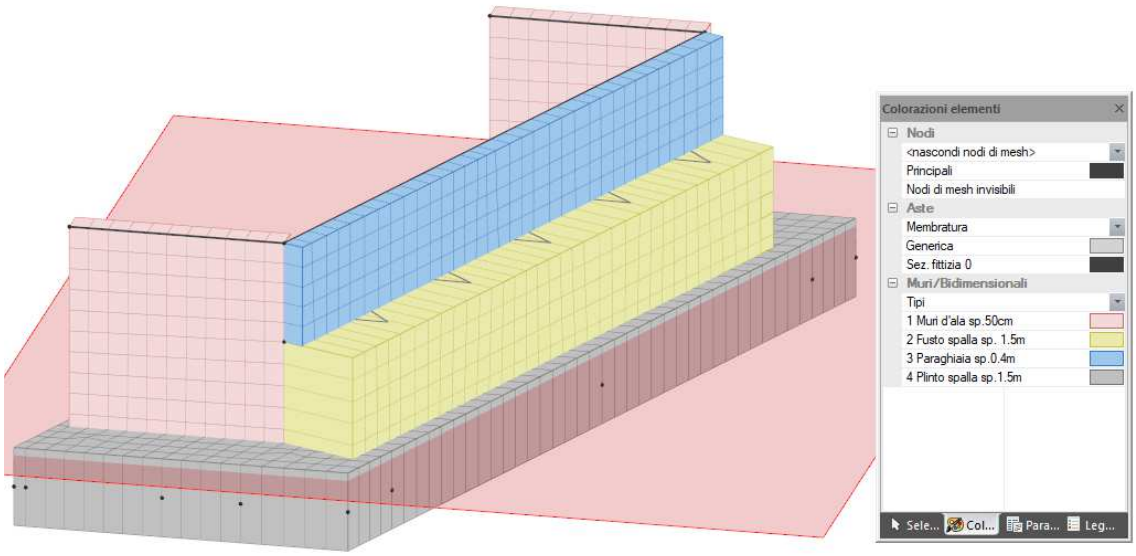


Figura 48 – Modello Fem della spalla SP1

GI

Come dicevamo I carichi sono applicati come forze concentrate sui nodi degli appoggi e collegati al fusto tramite aste ad elevata rigidezza; le spinte a tergo dei muri dovute alla presenza del terreno, del sisma e dei sovraccarichi mobili sono state applicate come pressure load di forma incrementale in base alla quota.

I principali carichi sono esplicitati nelle figure sottostanti:

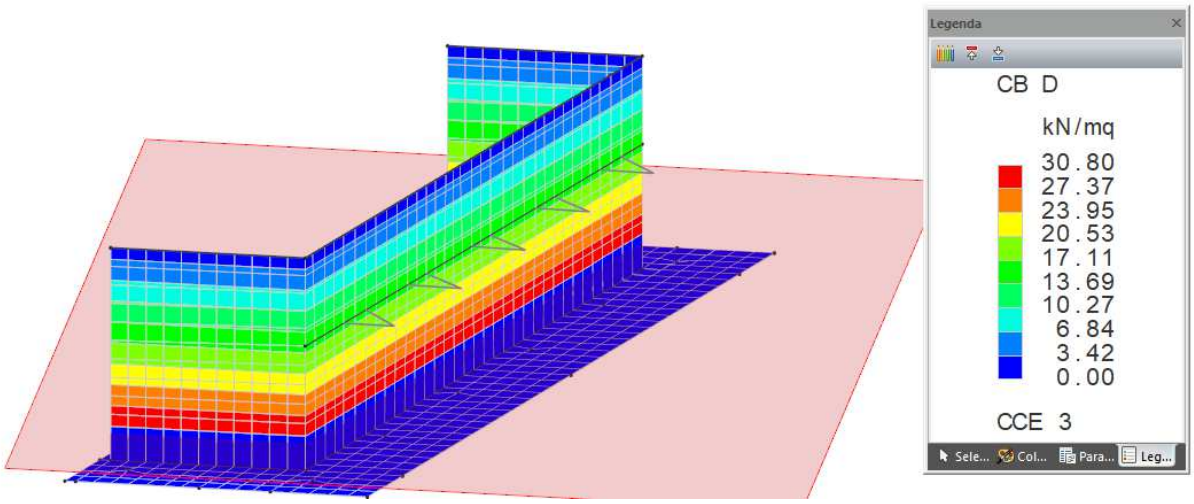


Figura 49 – Spinta statica del terreno a monte: da 0 a -0.2 q=24*0.2*0.384=1.54KNmq, da z=-0.2 a z=-4, q2=20*4*0.384=30.72

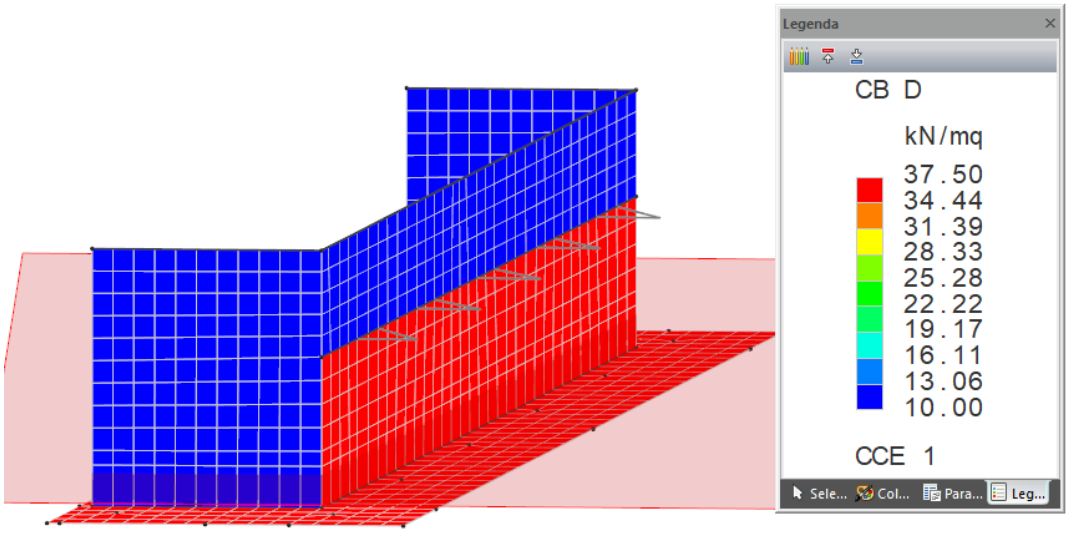


Figura 50 – Peso proprio elementi strutturali

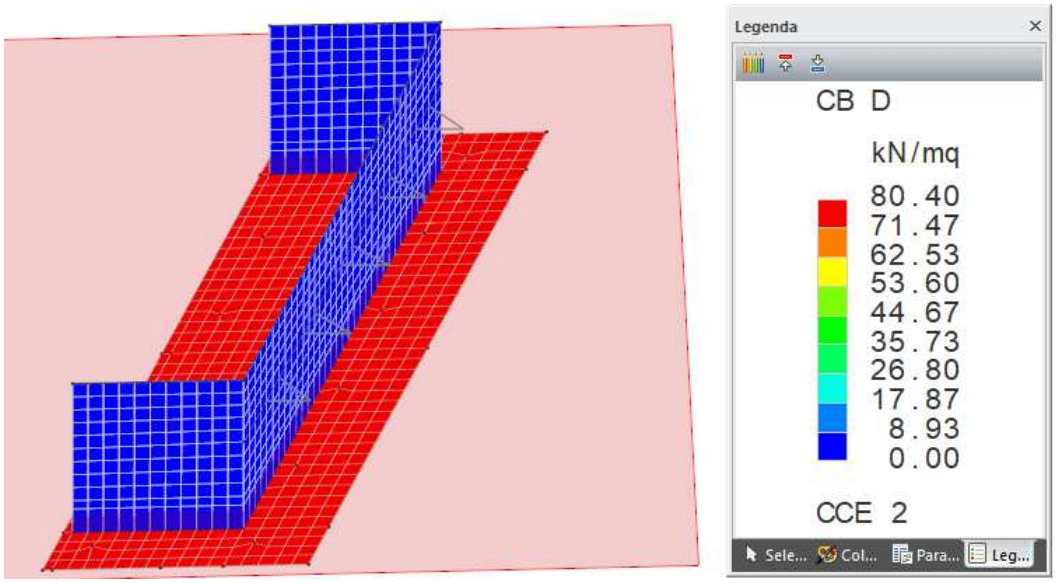


Figura 51 – Peso terreno sulla ciabatta : Peso binder + manto di usura 24.00x0.2= 4.80 kN/m2+ Peso misto cementato20.00x3.78= 75.60 kN/m2=tot. 80.40kN/mq.

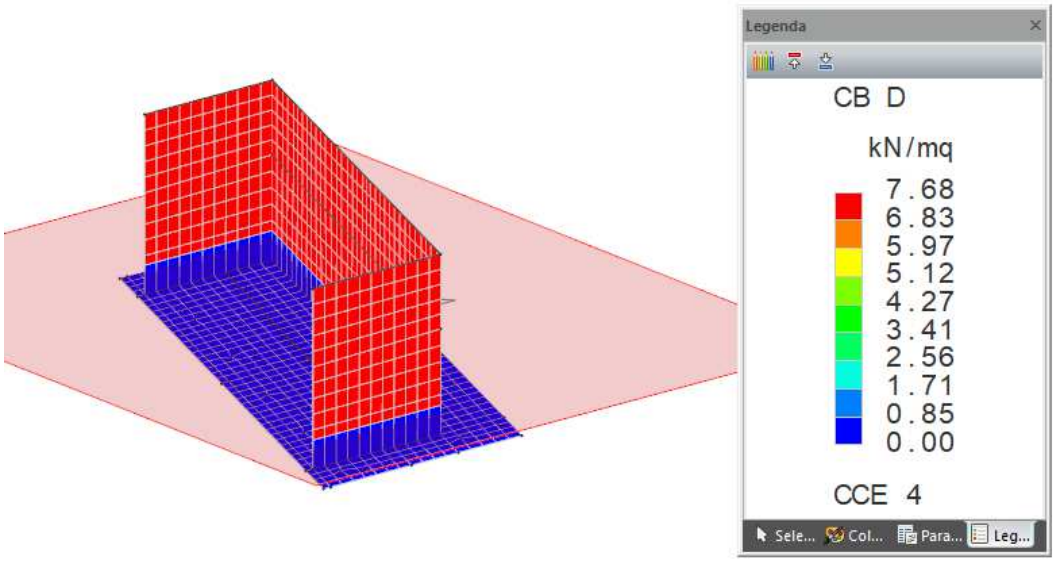


Figura 52 – Spinta sovraccarico in testa al rilevato: 20*0.384=7.68

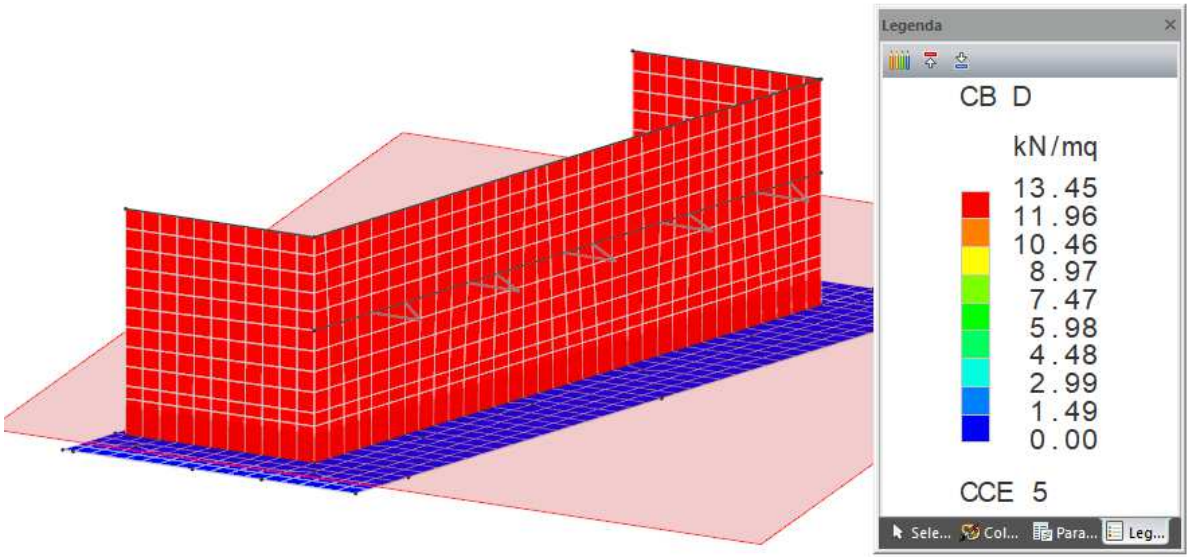


Figura 53 – Spinta sismica: la spinta sismica è applicata come carico uniformente distribuito sul paramento della spalla e sui muri d'ala PAE=KAE*ɣ*H2/2*(1-kv)=0.431*20*3.782/2*(1-0.126)=53.82KN/m
La spinta sarà applicata nel modello come un carico uniformemente distribuito q=53.82/4=13.45kN/m2

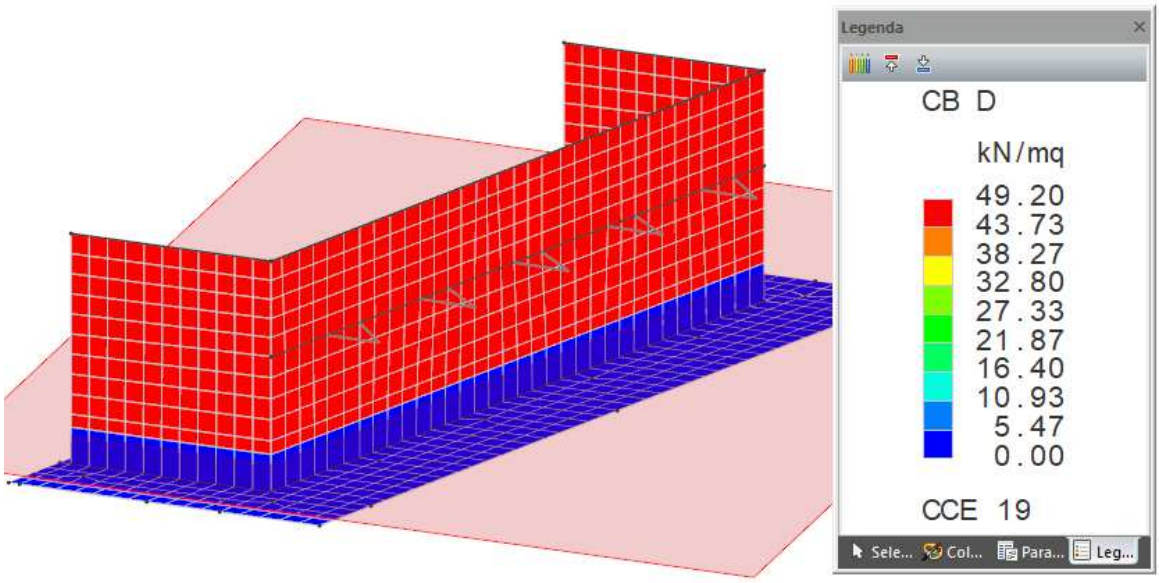


Figura 54 – Spinta inerziale del terreno: la spinta dovuta all'inerzia del terreno che insiste sulla ciabatta della spalla è calcolata facendo riferimento all'accelazione spsttrale in corrispondenza del plateau ovvero per T=TB* con Se(TB*)=0.6g. F=0.6*$L_{ciabatta}$*$ɣ_{terreno}$=0.6*4.1*20=49.20

Le condizioni di carico elementari sono le seguenti:

Condizioni di carico elementari

Simbologia
CCE =Numero della condizione di carico elementare
Comm. =Commento
Tipo CCE =Tipo di CCE per calcolo agli stati limite
Sic. =Contributo alla sicurezza
F = a favore
S = a sfavore
A = ambigua
Var. =Tipo di variabilità
B = di base
I = indipendente
A = ambigua
s =Coeff. di riduzione (T.A. o S.L. D.M. 96)
Dir. =Direzione del vento
Tipo =Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Mx =Moltiplicatore della massa in dir. X
My =Moltiplicatore della massa in dir. Y
Mz =Moltiplicatore della massa in dir. Z
Jpx =Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy =Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz =Moltiplicatore del momento d'inerzia intorno all'asse Z

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1	peso proprio	1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
2	Peso terreno e pav.	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
3	spinta statica terreno	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
4	spinta sovraccarico	21	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
5	Spinta sismica	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
6	SLU Env Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
7	SLU Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
8	SLE rara Env Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
9	SLE Rara Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
10	SLE q. permanente	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
11	SLVX+0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
12	SLVX-0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
13	SLV-X-0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
14	SLV-X+0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
15	SLV Y+0.3X	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
16	SLV Y-0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
17	SLV -Y+0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
18	SLV -Y-0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
19	Spinta inerziale terreno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00

Ai fini del calcolo sono state considerate le seguenti combinazioni:

Combinazioni delle CCE

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)

An. =Tipo di analisi
L = Lineare
NL = Non lineare
Bk =Buckling
S = Sì
N = No

CC	Comm.	TCC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	S X	S Y
1	Amb. 1 (SLU S) S +X+0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.30
2	Amb. 1 (SLU S) S +X-0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	-0.30
3	Amb. 1 (SLU S) S -X+0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	-1.00	-1.00	0.30
4	Amb. 1 (SLU S) S -X-0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00	-0.30
5	Amb. 1 (SLU S) S +0.3X+Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.30	0.30	1.00
6	Amb. 1 (SLU S) S -0.3X+Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.30	-0.30	1.00
7	Amb. 1 (SLU S) S +0.3X-Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.30	-1.00
8	Amb. 1 (SLU S) S -0.3X-Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-0.30	-0.30	-1.00
9	SLU Max	SLU	1.30	1.50	1.50	1.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	SLU MIN	SLU	1.30	1.50	1.50	1.30	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	SLE R Max	SLE R	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	SLE R Min	SLE R	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	SLE Q.Perm	SLE Q	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Le principali azioni in termini di mappa delle sollecitazioni sono riportate nelle immagini sottostanti

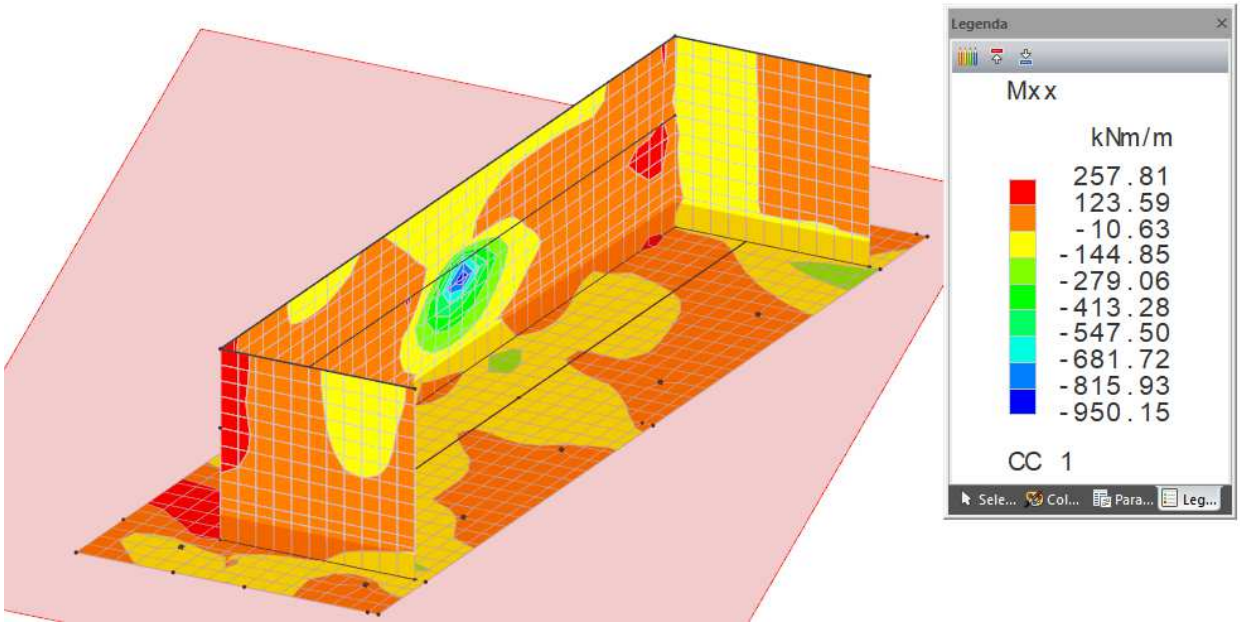


Figura 55 – Momento Mxx (CC1 SLV)

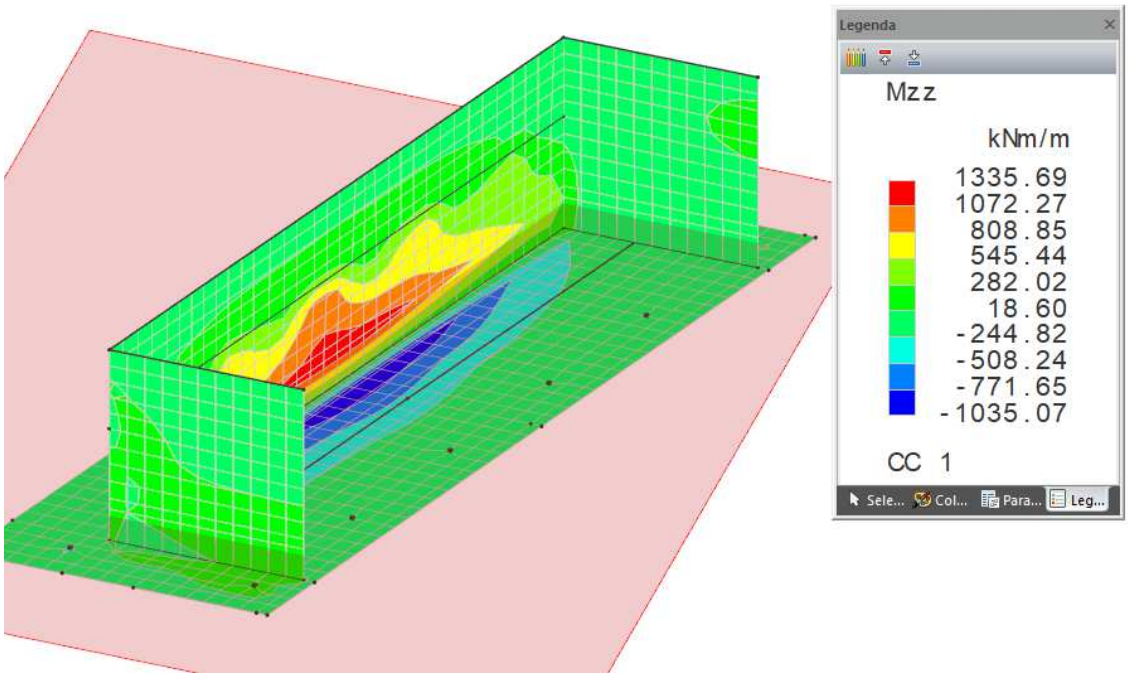
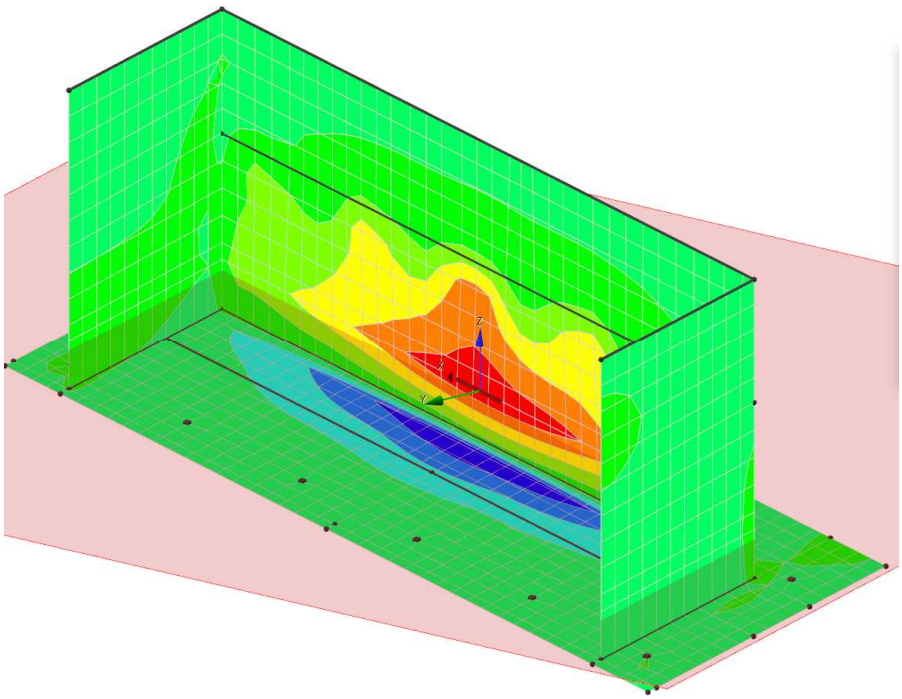


Figura 56 – Momento Mzz (CC1 SLV)

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni:



Informazioni sollecitazioni integrate da forze di equilibrio

Esporta Stampa

CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-353.863	-76.950	1025.200	1967.530	-53.752	40.258
2	SND	-411.269	207.350	1127.180	2204.510	-85.294	-115.056
3	SND	-632.951	-3.308	-1025.790	-1091.620	-12.249	104.939
4	SND	-690.358	280.992	-923.813	-854.639	-43.790	-50.374
5	SND	-384.570	-382.858	188.389	620.355	-2.428	244.095
6	SND	-468.296	-360.766	-426.908	-297.388	10.023	263.500
7	SND	-575.924	564.808	528.300	1410.280	-107.566	-273.616
8	SND	-659.650	586.900	-86.997	492.535	-95.115	-254.212
9	SLU	-480.467	80.386	207.542	670.131	-69.708	4.374
10	SLU	-422.646	34.673	356.532	826.727	-67.038	8.433
11	SLE R	-354.144	57.349	143.048	475.124	-49.097	1.205
12	SLE R	-310.103	25.080	254.181	590.743	-47.379	6.126
13	SLE Q	-329.823	36.663	90.555	349.249	-44.061	5.734

Figura 57 – Massime sollecitazioni alla base del fusto della spalla

6.5.1 Verifica a pressoflessione e taglio fusto Spalla

Le verifiche a pressoflessione vengono eseguite considerando una sezione di larghezza unitaria ed altezza pari al allo spesso del fusto ovvero bxh= 100x150cm. La sezione viene armata in entrambe le direzioni con ferri ø24/10. E' prevista inoltre un armatura integrativa a taglio costituita da degli spilli ø12/20. Incidenza armatura. Iincidenza armatura i=140kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resistenza compress. di progetto fcd:	181.30	daN/cm²
	Resistenza compress. ridotta fcd':	90.65	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²

Diagramma tensioni-deformaz.:	Bilineare finito	
Coeff. Aderenza istant. ß1*ß2:	1.00	
Coeff. Aderenza differito ß1*ß2:	0.50	
Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	100.0	cm
Altezza:	150.0	cm
Barre inferiori:	10Ø24	(45.2 cm²)
Barre superiori:	10Ø24	(45.2 cm²)

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx — Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy — Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT — Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	41127	220451	112718	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	31010	59074

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	32983	34925 (188166)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	32983	34925 (188166)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver — S = combinazione verificata / N = combin. non verificata
N — Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx — Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult — Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd — Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic. — Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx)

Verifica positiva se tale rapporto risulta >=1.000
Yn Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d Rapp. di duttilità (travi e solette)[§ 4.1.1.1 NTC]: deve essere < 0.45
C.Rid. Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	41127	220451	41145	272988	1.238	140.6	0.07	0.70	45.2 (24.9)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max Deform. unit. massima del conglomerato a compressione
Yc max Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	150.0	0.00089	143.0	-0.04984	7.0

ARMATURE A TAGLIO E/O TORSIONE DI INVILUPPO PER LE COMBINAZIONI ASSEGNATE

Diametro spilli: 12 mm
Passo spilli 20 cm

VERIFICHE A TAGLIO

Ver S = comb.verificata a taglio-tors./ N = comb. non verificata
Ved Taglio agente [daN] uguale al taglio Vy di comb.
Vrd Taglio resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
Vcd Taglio compressione resistente [daN] lato conglomerato [formula (4.1.28)NTC]
Vwd Taglio trazione resistente [daN] assorbito dalle staffe [formula (4.1.27)NTC]

N°Comb	Ver	Ved	Vrd	Vcd	Vwd
1	S	112718	56885	408383	145254

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver S = combinazione verificata / N = combin. non verificata
Sc max Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff. Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff. Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff. Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre Distanza in cm tra le barre tese efficaci.
(D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	21.6	150.0	0.0	104.1	-684	143.0	17.5	1750	45.2	9.6

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver Esito verifica
e1 Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2 Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
e3 Deformazione unitaria al limite dell'area tesa efficace di calcestruzzo

K2	= (e1 + e3)/(2*e3) secondo la (7.13) dell'EC2 e la (C4.1.19)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00037	0.00016	-0.00031	0.92	0.60	0.000205 (0.000205)	486	0.100 (990.00)	162214

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	13.0	150.0	0.0	91.4	-280	143.0	17.5	1750	45.2	9.6

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00015	0.00010	-0.00012	0.90	0.60	0.000084 (0.000084)	483	0.041 (0.40)	188166

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

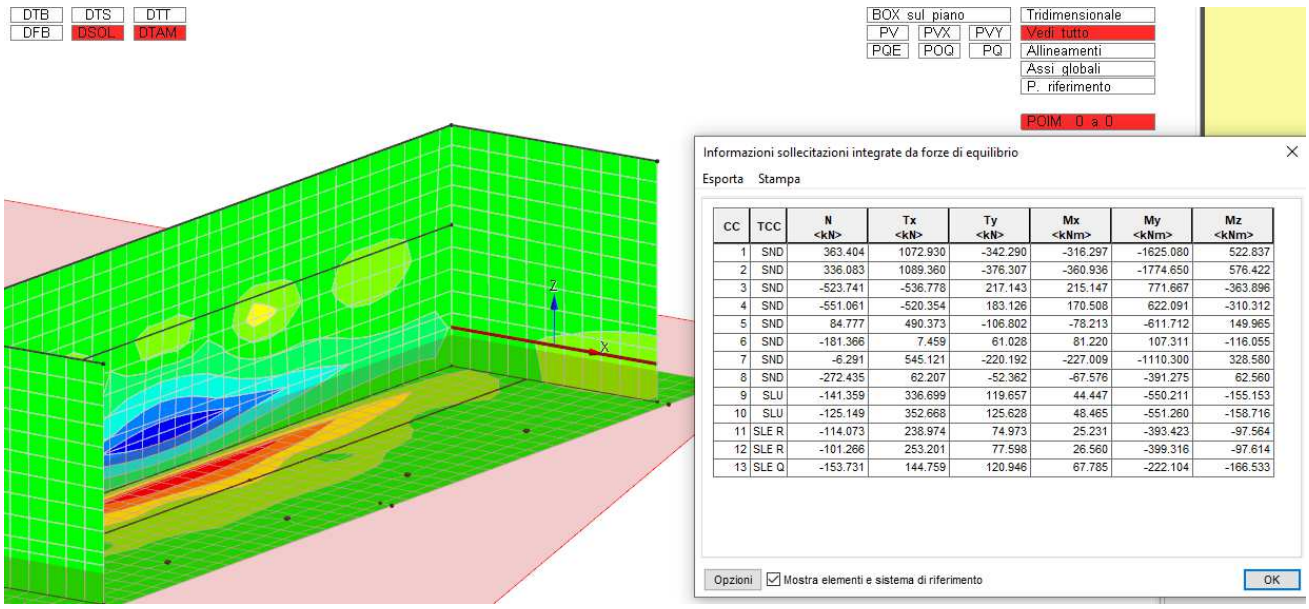
N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	13.0	150.0	0.0	91.4	-280	143.0	17.5	1750	45.2	9.6

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00015	0.00010	-0.00012	0.90	0.40	0.000084 (0.000084)	483	0.041 (0.30)	188166

6.5.2 Verifica a pressoflessione e taglio muri d'ala

Le verifiche a pressoflessione vengono eseguite integrndo le sollecitazioni alla base della parete. Le verifiche verranno pertando fatte considerando una sezione di dimensioni bxh=50x400cm Per la sezione è prevista un armatura lonfitudinale costituita da barre ø24/10, mentre trasversalmente si prevedono delle barre di ripartizione costituita da ferri ø12/10. Iincidenza armatura i=230kg/mc



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	363.404	1072.930	-342.290	-316.297	-1625.080	522.837
2	SND	336.083	1089.360	-376.307	-360.936	-1774.650	576.422
3	SND	-523.741	-536.778	217.143	215.147	771.667	-363.896
4	SND	-551.061	-520.354	183.126	170.508	622.091	-310.312
5	SND	84.777	490.373	-106.802	-78.213	-611.712	149.965
6	SND	-181.366	7.459	61.028	81.220	107.311	-116.055
7	SND	-6.291	545.121	-220.192	-227.009	-1110.300	328.580
8	SND	-272.435	62.207	-52.362	-67.576	-391.275	62.560
9	SLU	-141.359	336.699	119.657	44.447	-550.211	-155.153
10	SLU	-125.149	352.668	125.628	48.465	-551.260	-158.716
11	SLE R	-114.073	238.974	74.973	25.231	-393.423	-97.564
12	SLE R	-101.266	253.201	77.598	26.560	-399.316	-97.614
13	SLE Q	-153.731	144.759	120.946	67.785	-222.104	-166.533

Figura 58 – Massime sollecitazioni alla base dei muri d'ala

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	181.30	daN/cm²
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	4500.0	daN/cm²
	Resist. caratt. rottura ftk:	4500.0	daN/cm²
	Resist. snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	3600.0	daN/cm²

CARATTERISTICHE DOMINIO CONGLOMERATO

Forma del Dominio: Poligonale
Classe Conglomerato: C32/40

N°vertice:	X [cm]	Y [cm]
1	-200.0	0.0
2	-200.0	50.0
3	200.0	50.0
4	200.0	0.0

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	-193.0	7.0	24
2	-193.0	43.0	24
3	193.0	43.0	24
4	193.0	7.0	24

DATI GENERAZIONI LINEARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione lineare di barre
N°Barra Ini.	Numero della barra iniziale cui si riferisce la generazione
N°Barra Fin.	Numero della barra finale cui si riferisce la generazione
N°Barre	Numero di barre generate equidistanti cui si riferisce la generazione
Ø	Diametro in mm delle barre della generazione

N°Gen.	N°Barra Ini.	N°Barra Fin.	N°Barre	Ø
1	2	3	35	24
2	1	4	35	24

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baric. (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia con verso positivo se tale da comprimere il lembo sup. della sez.
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia con verso positivo se tale da comprimere il lembo destro della sez.
Vy	Componente del Taglio [daN] parallela all'asse princ.d'inerzia y
Vx	Componente del Taglio [daN] parallela all'asse princ.d'inerzia x

N°Comb.	N	Mx	My	Vy	Vx
1	33608	36000	117400	37600	108900

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	10100	2600	39931

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	10100	2600 (25131)	39931 (385965)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	15300	6700 (55897)	22200 (185212)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N Sn	Sforzo normale assegnato [daN] nel baricentro sezione cls. (positivo se di compressione)
Mx Sn	Componente momento assegnato [daNm] riferito all'asse x princ. d'inerzia
My Sn	Componente momento assegnato [daNm] riferito all'asse y princ. d'inerzia
N Res	Sforzo normale resistente [daN] baricentrico (positivo se di compress.)
Mx Res	Momento flettente resistente [daNm] riferito all'asse x princ. d'inerzia
My res	Momento flettente resistente [daNm] riferito all'asse y princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My)

Verifica positiva se tale rapporto risulta >=1.000
As Tesa Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex (4.1.15)NTC]

N°Comb	Ver	N	Mx	My	N Res	Mx Res	My Res	Mis.Sic.	As Tesa
1	S	33608	36000	117400	33608	247771	804687	6.86	199.1(34.9)

METODO AGLI STATI LIMITE ULTIMI - DEFORMAZIONI UNITARIE ALLO STATO ULTIMO

ec max Deform. unit. massima del conglomerato a compressione
x/d Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00350	0.326	200.0	50.0	0.00225	193.0	43.0	-0.00725	-193.0	7.0

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid. Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000008700	0.000170501	-0.006764969	0.326	0.847

METODO SLU - VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI ($ 4.1.2.1.3.1 NTC)

Ver S = comb.verificata a taglio/ N = comb. non verificata
Ved Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d Altezza utile sezione [cm]
bw Larghezza minima sezione [cm]
Ro Rapporto geometrico di armatura longitudinale [<0.02]
Scp Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	43100	124080	43.0	398.9	0.0129	0.2

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver S = comb. verificata/ N = comb. non verificata
Sc max Massima tensione (positiva se di compressione) nel conglomerato [daN/cm²]
Xc max, Yc max Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Sf min Minima tensione (negativa se di trazione) nell'acciaio [daN/cm²]
Xs min, Ys min Ascissa, Ordinata [cm] della barra corrisp. a Sf min (sistema rif. X,Y,O)
Ac eff. Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff. Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.0	200.0	50.0	-115	-193.0	7.0	1670	36.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.0	200.0	50.0	-115	-193.0	7.0	1670	36.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC]
	Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [daNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [daNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00006	0	0.833	24.0	58	0.00003 (0.00003)	511	0.018 (0.40)	25131	385965

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.8	200.0	50.0	-106	-193.0	7.0	1220	45.2

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00006	0	0.833	24.0	58	0.00003 (0.00003)	381	0.012 (0.30)	55897	185212

6.6 Plinto di fondazione Spalla 1

Le caratteristiche di sollecitazione in corrispondenza del plinto di fondazione si ricavano considerando la spalla vincolata ai pali di fondazione, cautelativamente modellati come vincoli rigidi (appoggi), e soggetta ai carichi derivanti dalle azioni del terreno e dalle reazioni trasmesse dall'impalcato. Le principali caratteristiche di sollecitazioni sono riportati nelle immagini seguenti

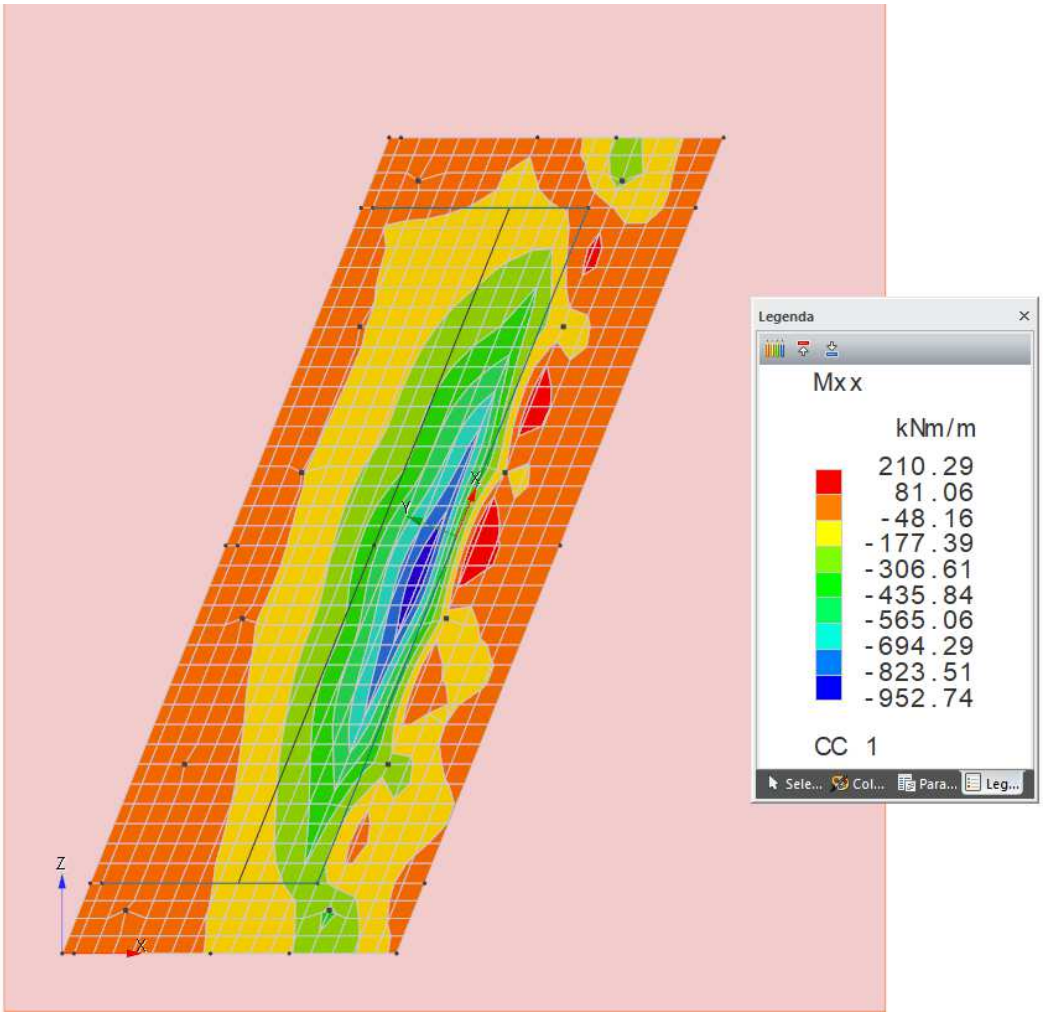


Figura 59 – Modello Fem -Mappa delle sollecitazioni plinto di fondazione Mxx

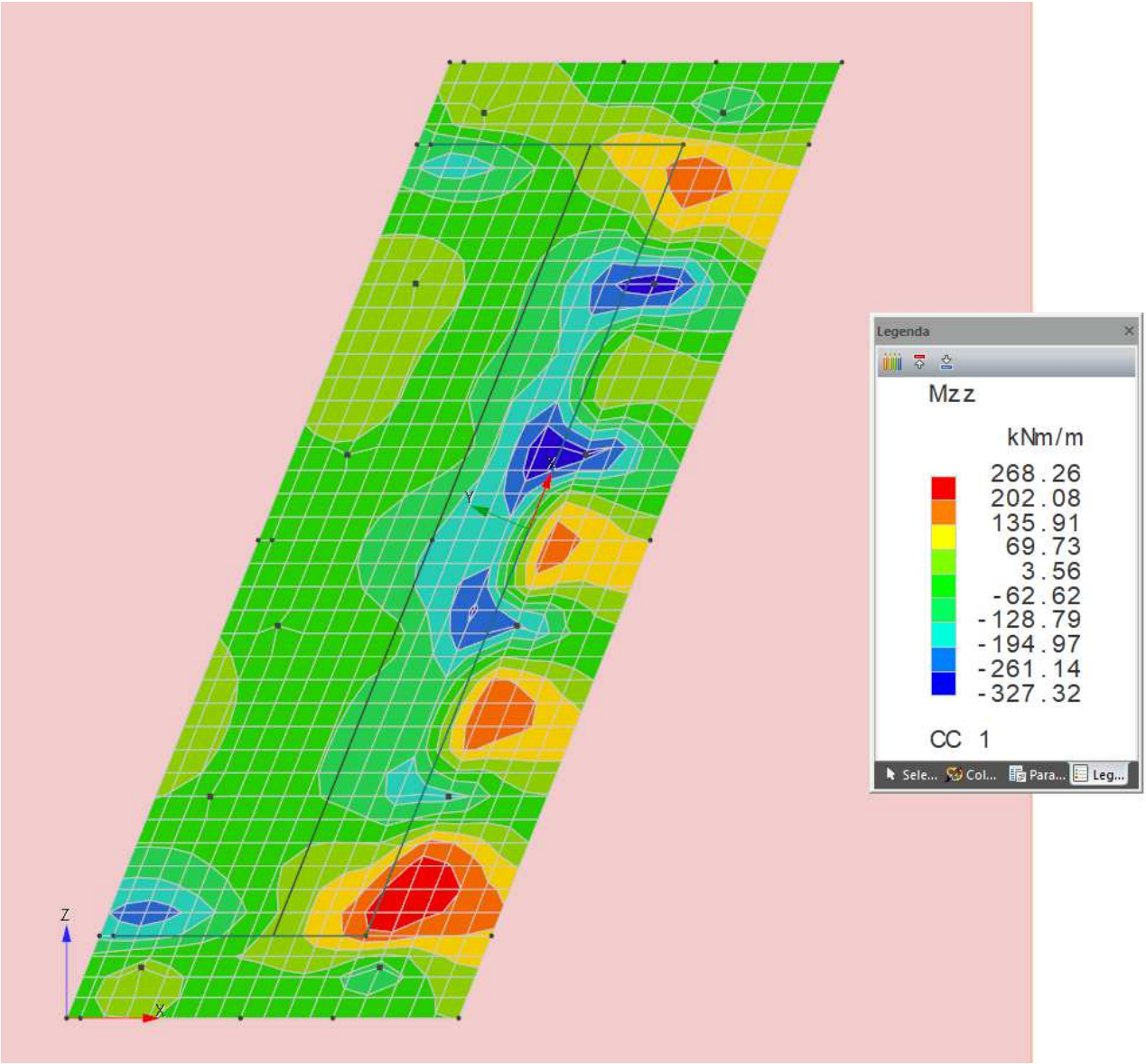


Figura 60 – Modello Fem -Mappa delle sollecitazioni plinto di fondazione Mzz

Integrando su una striscia unitaria avremo in corrispondeza della sezione maggiormente sollecitata avremo

CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	312.728	-140.831	791.583	-1064.810	-26.312	-87.329
2	SND	322.130	-99.619	852.520	-1165.060	-32.535	-100.650
3	SND	-277.076	109.636	-492.984	704.410	27.620	30.431
4	SND	-267.674	150.848	-432.047	604.161	21.396	17.110
5	SND	95.328	-101.249	270.891	-328.627	-0.175	-30.571
6	SND	-81.614	-26.109	-114.479	202.139	16.004	4.757
7	SND	126.668	36.126	474.015	-662.789	-20.920	-74.975
8	SND	-50.273	111.266	88.645	-132.023	-4.741	-39.647
9	SLU	60.738	-17.452	286.659	-347.756	-5.804	-39.898
10	SLU	106.249	-44.604	361.656	-446.678	-9.629	-47.108
11	SLE R	41.900	-11.863	198.262	-242.327	-4.025	-28.756
12	SLE R	75.838	-31.725	254.132	-315.901	-6.873	-33.652
13	SLE Q	28.163	-10.305	153.457	-177.386	-2.600	-24.824

6.6.1 Verifica sezione in c.a plinto di fondazione

La verifica viene eseguita considerando una sezione rettangolare di dimensioni bxh pari 100x150. Si considera una armatura minima di normativa sia superiormente che inferiormente pari a Af=Af'=ø24/10,in entrambi le direzioni. Si prevede anche una armatura a taglio nella misura di spilli ø12/20" i=140kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C25/30	
	Resistenza compress. di progetto fcd:	141.60	daN/cm²
	Resistenza compress. ridotta fcd':	70.80	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	314750	daN/cm²
	Resis. media a trazione fctm:	25.60	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	150.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	150.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	112.50	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	100.0	cm
Altezza:	150.0	cm
Barre inferiori:	10Ø24	(45.2 cm²)
Barre superiori:	10Ø24	(45.2 cm²)

Coprif.Inf.(dal baric. barre):	7.0	cm
Coprif.Sup.(dal baric. barre):	7.0	cm
Coprif.Lat. (dal baric.barre):	7.0	cm

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx	Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy	Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT	Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	32213	116506	85252	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	7583	31590

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	7583	31590 (125895)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	2816	17738 (122891)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N	Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx	Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult	Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd	Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn	Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.1.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa	Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	32213	116506	32194	265894	2.282	140.0	0.07	0.70	45.2 (21.2)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max	Deform. unit. massima del conglomerato a compressione
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	150.0	0.00105	143.0	-0.04662	7.0

ARMATURE A TAGLIO E/O TORSIONE DI INVILUPPO PER LE COMBINAZIONI ASSEGNATE

Diametro spilli:	12	mm
Passo spilli:	20	cm

VERIFICHE A TAGLIO

Ver	S = comb.verificata a taglio-tors./ N = comb. non verificata
Ved	Taglio agente [daN] uguale al taglio Vy di comb.
Vrd	Taglio resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
Vcd	Taglio compressione resistente [daN] lato conglomerato [formula (4.1.28)NTC]
Vwd	Taglio trazione resistente [daN] assorbito dalle staffe [formula (4.1.27)NTC]

N°Comb	Ver	Ved	Vrd	Vcd	Vwd
1	S	85252	51582	318972	145254

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver	S = combinazione verificata / N = combin. non verificata
Sc max	Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max	Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min	Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min	Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min	Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min	Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff.	Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff.	Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff.	Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre	Distanza in cm tra le barre tese efficaci.
	(D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	11.2	150.0	0.0	111.2	-451	143.0	17.5	1750	45.2	9.6

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver	Esito verifica
e1	Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2	Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
e3	Deformazione unitaria al limite dell'area tesa efficace di calcestruzzo
K2	= (e1 + e3)/(2*e3) secondo la (7.13) dell'EC2 e la (C4.1.19)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00024	0.00008	-0.00020	0.92	0.60	0.000135 (0.000135)	488	0.066 (990.00)	125895

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	11.2	150.0	0.0	111.2	-451	143.0	17.5	1750	45.2	9.6

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00024	0.00008	-0.00020	0.92	0.60	0.000135 (0.000135)	488	0.066 (0.40)	125895

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	6.2	150.0	0.0	113.0	-267	143.0	17.5	1750	45.2	9.6

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00014	0.00005	-0.00012	0.92	0.40	0.000080 (0.000080)	488	0.039 (0.30)	122891

6.7 Muro frontale spalla 2

La spalla 2 in termini di vincoli dati all'impalcato è per definizione la spalla mobile della sovrastruttura. Presenta una geometria scatolare in quanto al suo interno è prevista un passo carrabile. La modellazione è stata effettuata anche in questo caso utilizzando elementi tipo shell per tutti gli elementi strutturali ed assegnando il relativo spessore.

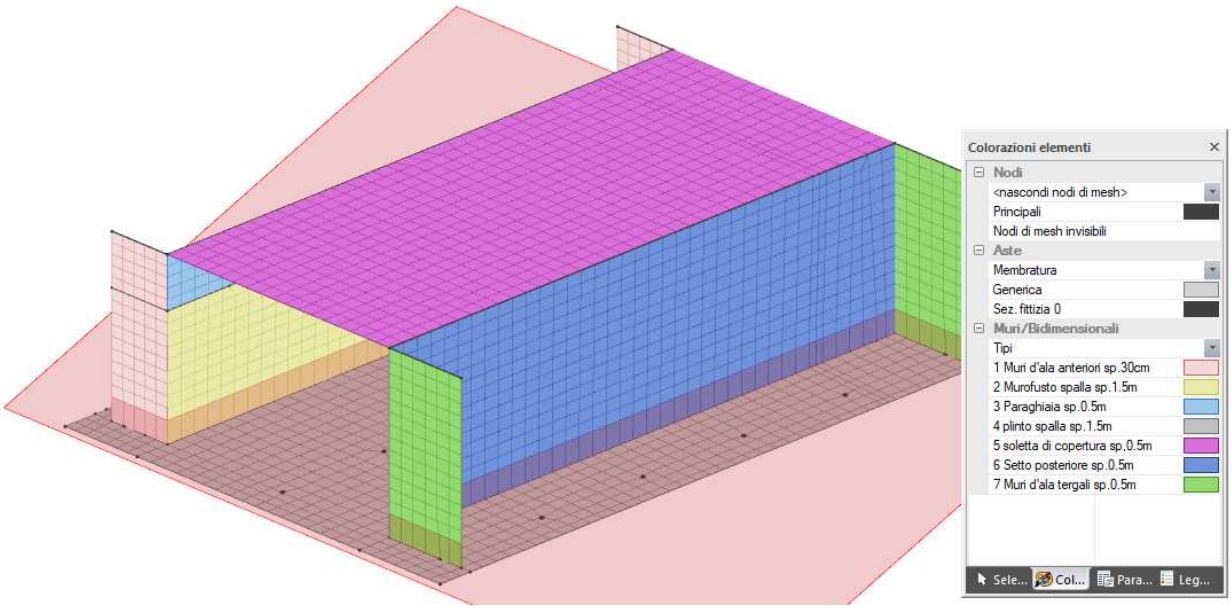


Figura 61 – Modello Fem della spalla SP2

I carichi sono applicati come forze concentrate sui nodi degli appoggi e collegati al fusto tramite aste ad elevata rigidezza; le spinte a tergo dei muri dovute alla presenza del terreno, del sisma e dei sovraccarichi mobili sono state applicate come pressure load di forma incrementale in base alla quota. I principali carichi di superficie sono visualizzate nelle immagini sottostanti:

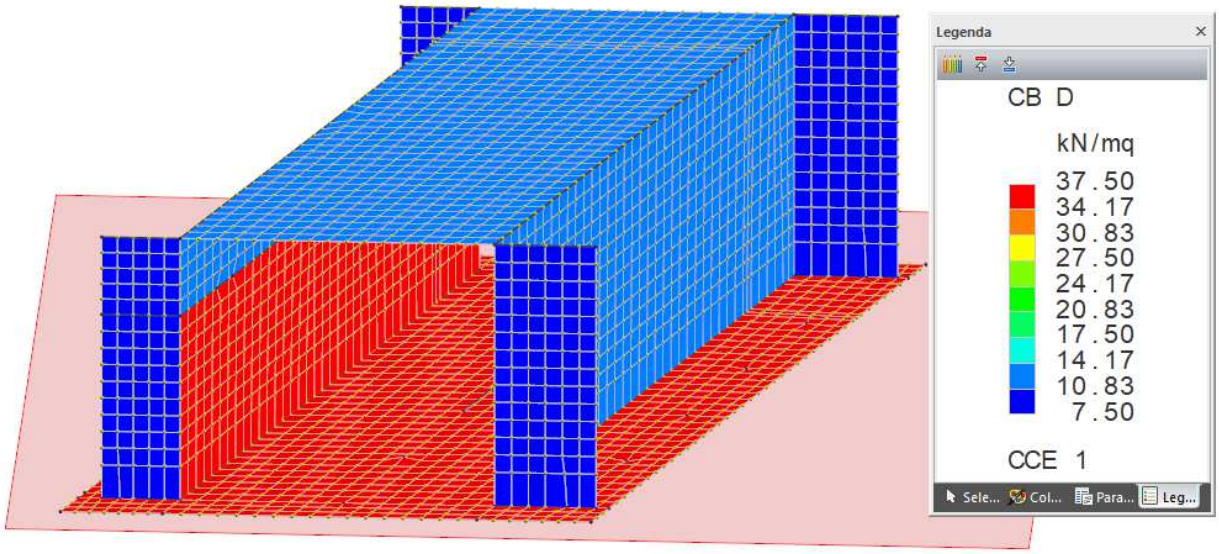


Figura 62 – Peso proprio struttura in c.a

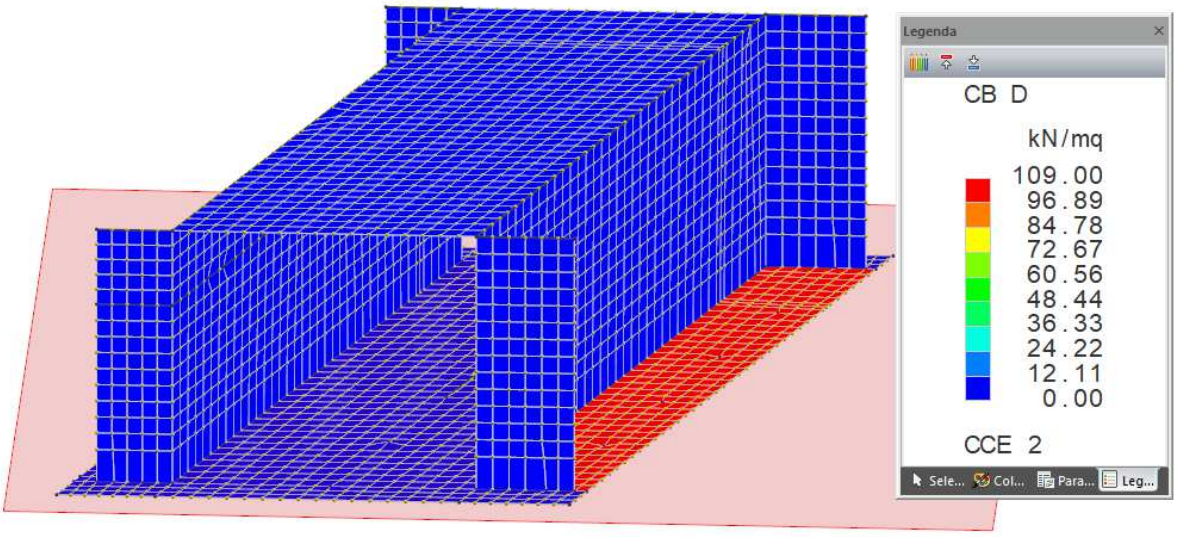


Figura 63 – Peso terreno e pavimentazione

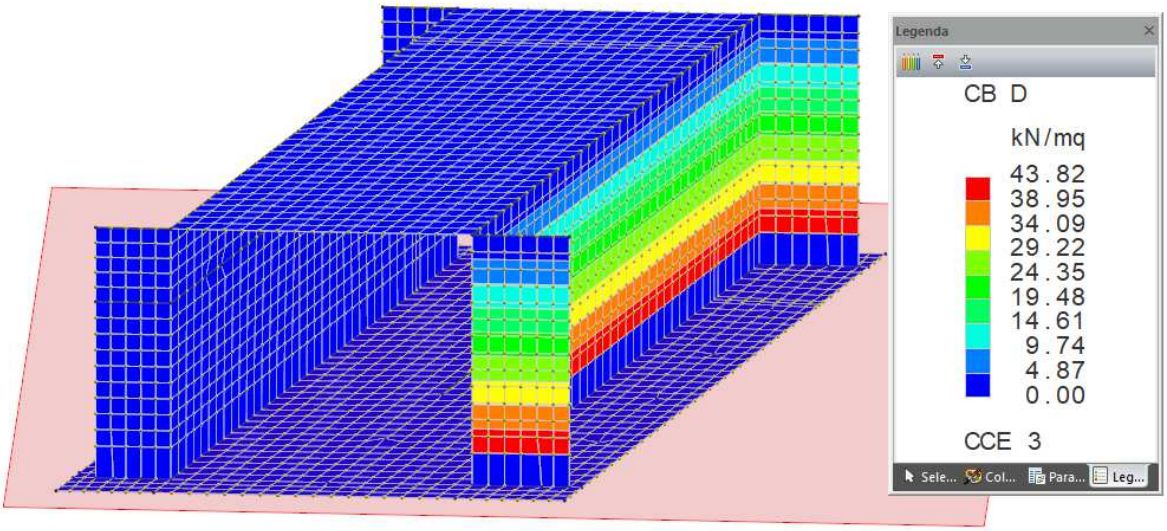


Figura 64 – Spinta statica del terreno

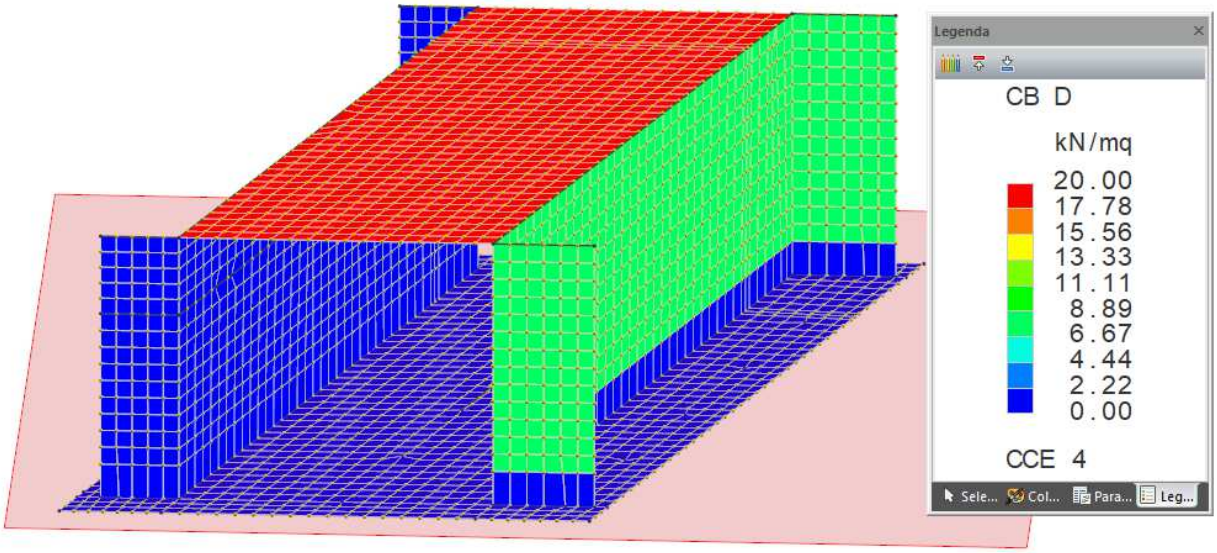


Figura 65 – Spinta sovraccarico

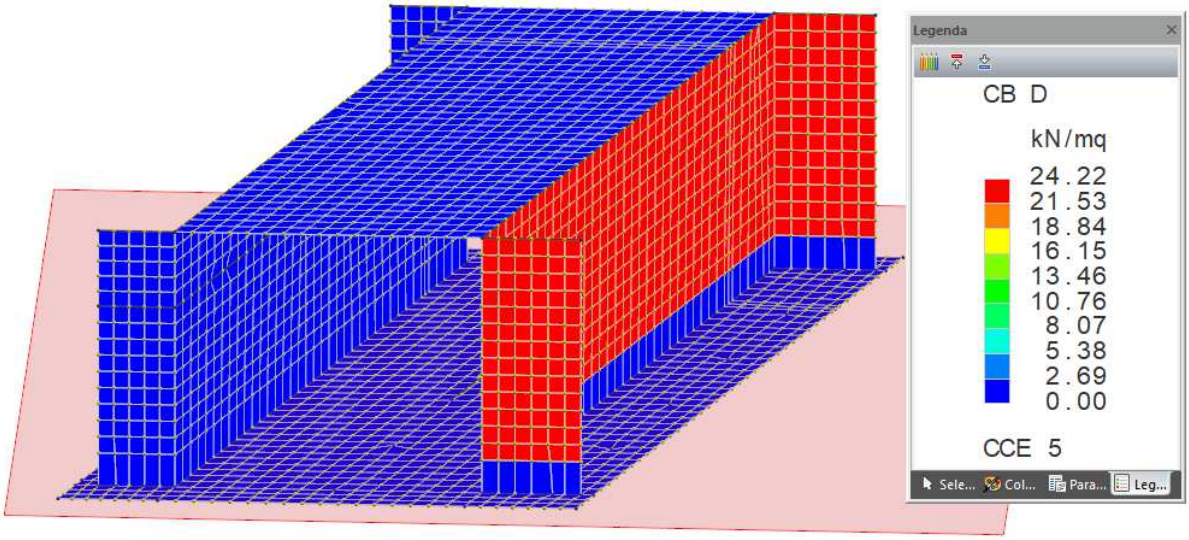


Figura 66 – Spinta Sismica del terreno

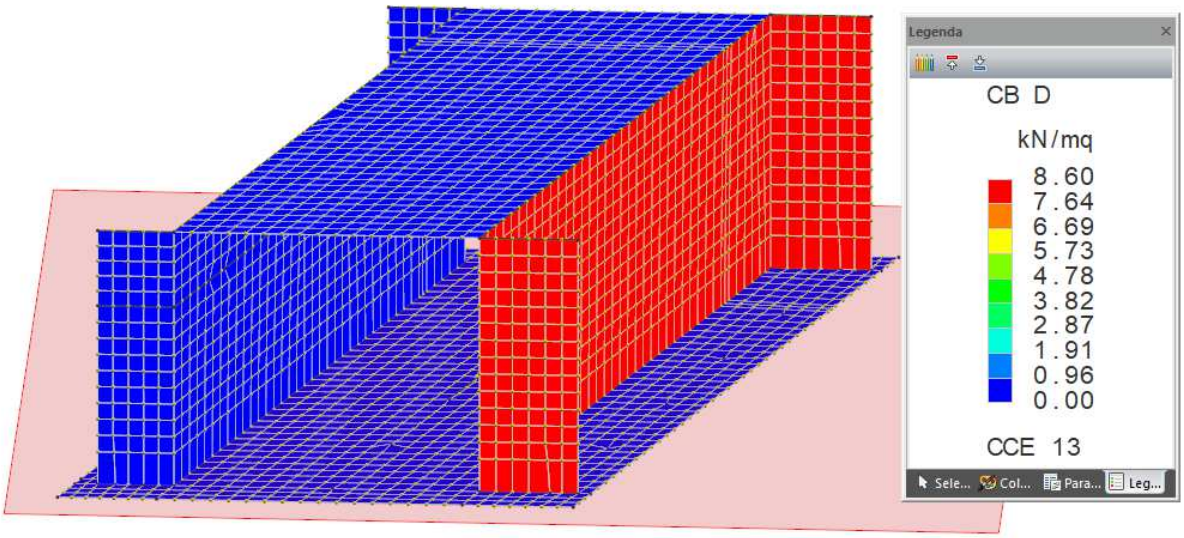


Figura 67 –INrezia del terreno presente sulla ciabatta

Le condizioni di carico elementari sono rappresentate nella tabella sottostante

Condizioni di carico elementari

Simbologia
CCE =Numero della condizione di carico elementare
Comm. =Commento
Tipo CCE =Tipo di CCE per calcolo agli stati limite
Sic. =Contributo alla sicurezza
F = a favore
S = a sfavore
A = ambigua
Var. =Tipo di variabilità
B = di base
I = indipendente
A = ambigua
s =Coeff. di riduzione (T.A. o S.L. D.M. 96)
Dir. =Direzione del vento
Tipo =Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Mx =Moltiplicatore della massa in dir. X
My =Moltiplicatore della massa in dir. Y
Mz =Moltiplicatore della massa in dir. Z
Jpx =Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy =Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz =Moltiplicatore del momento d'inerzia intorno all'asse Z

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1	peso proprio	1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
2	Peso Terreno e Pav.	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
3	Spinta terreno statica	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
4	spinta sovraccarico	21	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
5	Spinta sismica tereno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
6	SLU env max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
7	SLU Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
8	SLE rara Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
9	SLE Rara min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
10	SLE q. permanente	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
11	SLV +Y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
12	SLV -Y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
13	Spinta inerziale terreno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00

Mentre le combinazioni sono sotto riportata

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
An. =Tipo di analisi
L = Lineare
NL = Non lineare
Bk =Buckling
S = Sì
N = No

CC	Comm.	TCC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	S X	S Y
1	Amb. 1 (SLU S) S +X+0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.30
2	Amb. 1 (SLU S) S +X-0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	-0.30
3	Amb. 1 (SLU S) S -X+0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	-1.00	-1.00	0.30
4	Amb. 1 (SLU S) S -X-0.3Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00	-0.30
5	Amb. 1 (SLU S) S +0.3X+Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.30	0.30	1.00
6	Amb. 1 (SLU S) S -0.3X+Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.30	-0.30	1.00
7	Amb. 1 (SLU S) S +0.3X-Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.30	-1.00
8	Amb. 1 (SLU S) S -0.3X-Y	SND	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-0.30	-0.30	-1.00
9	SLU Max	SLU	1.30	1.50	1.50	1.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	SLU MIN	SLU	1.30	1.50	1.50	1.30	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	SLE R Max	SLE R	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	SLE R Min	SLE R	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	SLE Q.Perm	SLE Q	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Le principali azioni in termini di mappa delle sollecitazioni sono riportate nelle immagini sottostanti

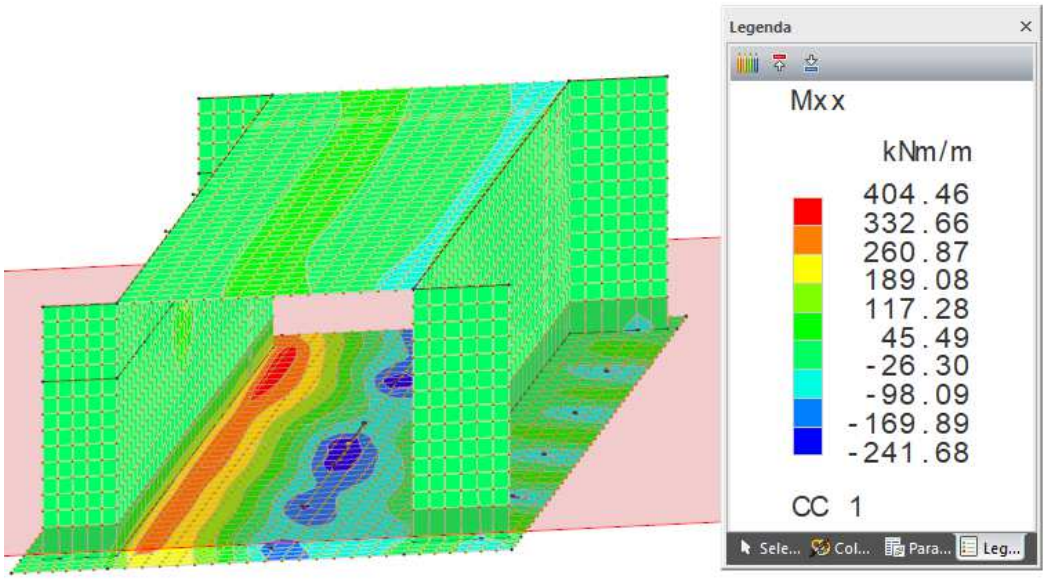


Figura 68 – Momento Mxx

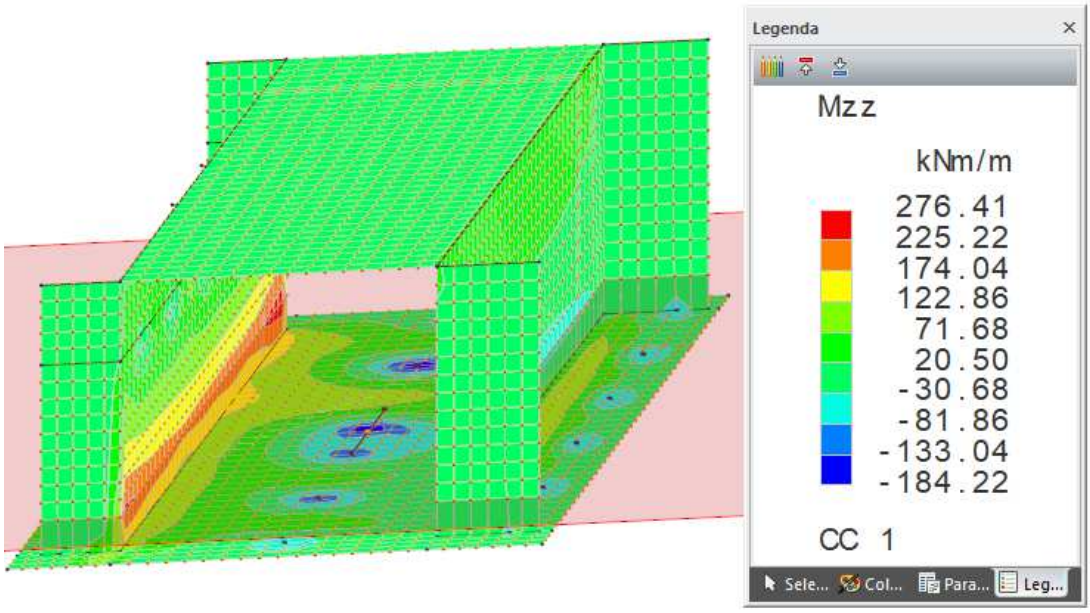
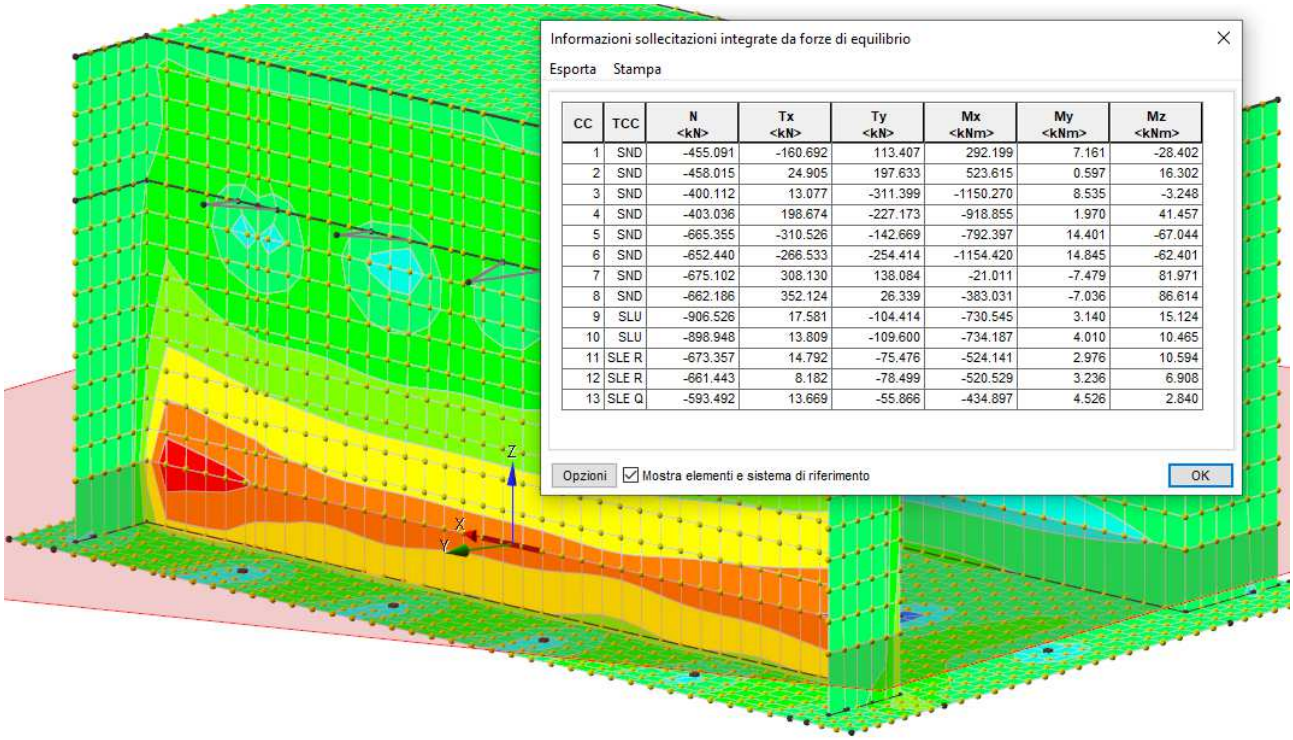


Figura 69 – Momento Mzz

6.7.1 Verifica a pressoflessione strutture in c.a

1.1.1.1. *Verifica fusto spalla*

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-455.091	-160.692	113.407	292.199	7.161	-28.402
2	SND	-458.015	24.905	197.633	523.615	0.597	16.302
3	SND	-400.112	13.077	-311.399	-1150.270	8.535	-3.248
4	SND	-403.036	198.674	-227.173	-918.855	1.970	41.457
5	SND	-665.355	-310.526	-142.669	-792.397	14.401	-67.044
6	SND	-652.440	-266.533	-254.414	-1154.420	14.845	-62.401
7	SND	-675.102	308.130	138.084	-21.011	-7.479	81.971
8	SND	-662.186	352.124	26.339	-383.031	-7.036	86.614
9	SLU	-906.526	17.581	-104.414	-730.545	3.140	15.124
10	SLU	-898.948	13.809	-109.600	-734.187	4.010	10.465
11	SLE R	-673.357	14.792	-75.476	-524.141	2.976	10.594
12	SLE R	-661.443	8.182	-78.499	-520.529	3.236	6.908
13	SLE Q	-593.492	13.669	-55.866	-434.897	4.526	2.840

In modo cautelativo le verifiche a pressoflessione sono eseguite su una sezione unitaria di dimensioni bxh pari a 1.0x1.5m

La sezione viene armata in entrambe le direzioni con ferri fi 24/10" i=140kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resistenza compress. di progetto fcd:	181.30	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	

Coeff. Aderenza istant. ß1*ß2:	1.00	
Coeff. Aderenza differito ß1*ß2:	0.50	
Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	100.0	cm
Altezza:	150.0	cm
Barre inferiori:	10Ø24	(45.2 cm²)
Barre superiori:	10Ø24	(45.2 cm²)

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx	Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy	Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT	Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	40012	115027	31140	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	67335	52414

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	59349	43489 (224089)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx	Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	2816	17738 (144781)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N	Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx	Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult	Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd	Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn	Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.1.1 NTC]: deve essere < 0.45

C.Rid. Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	40012	115027	40021	272228	2.367	140.6	0.07	0.70	45.2 (24.9)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max Deform. unit. massima del conglomerato a compressione
Yc max Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	150.0	0.00088	143.0	-0.05000	7.0

VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI (§ 4.1.2.1.3.1 NTC)

Ver S = comb.verificata a taglio/ N = comb. non verificata
Ved Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d Altezza utile sezione [cm]
bw Larghezza minima sezione [cm]
Ro Rapporto geometrico di armatura longitudinale [<0.02]
Scp Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	31140	56726	143.0	100.0	0.0032	0.3

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver S = combinazione verificata / N = combin. non verificata
Sc max Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff. Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff. Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff. Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre Distanza in cm tra le barre tese efficaci.
(D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	19.4	150.0	0.0	79.0	-294	143.0	17.5	1750	45.2	9.6

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver Esito verifica
e1 Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2 Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
e3 Deformazione unitaria al limite dell'area tesa efficace di calcestruzzo
K2 = (e1 + e3)/(2*e3) secondo la (7.13) dell'EC2 e la (C4.1.19)NTC
Kt fattore di durata del carico di cui alla (7.9) dell'EC2
e sm Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm Distanza massima in mm tra le fessure
wk Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess. Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00016	0.00015	-0.00013	0.89	0.60	0.000088 (0.000088)	478	0.042 (990.00)	216230

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	16.0	150.0	0.0	75.7	-223	143.0	17.5	1750	45.2	9.6

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00012	0.00012	-0.00009	0.88	0.60	0.000067 (0.000067)	476	0.032 (0.40)	224089

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

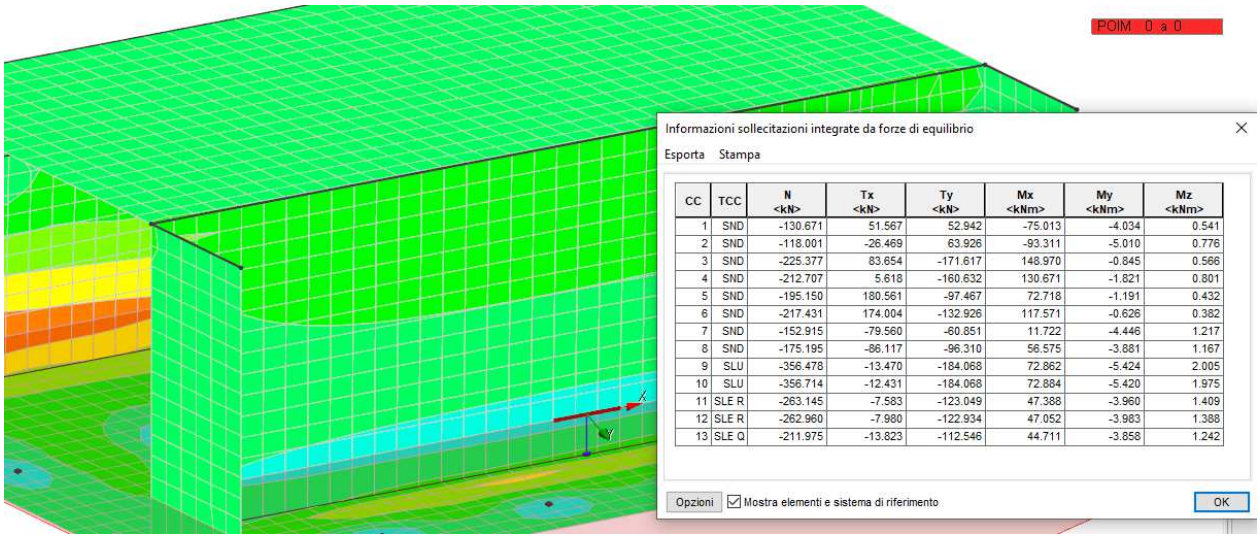
N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	6.2	150.0	0.0	113.0	-267	143.0	17.5	1750	45.2	9.6

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00014	0.00005	-0.00012	0.92	0.40	0.000080 (0.000080)	488	0.039 (0.30)	144781

1.1.1.2. *Verifica parete controterra*

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-130.671	51.567	52.942	-75.013	-4.034	0.541
2	SND	-118.001	-26.469	63.926	-93.311	-5.010	0.776
3	SND	-225.377	83.654	-171.617	148.970	-0.845	0.566
4	SND	-212.707	5.618	-160.632	130.671	-1.821	0.801
5	SND	-195.150	180.561	-97.467	72.718	-1.191	0.432
6	SND	-217.431	174.004	-132.926	117.571	-0.626	0.382
7	SND	-152.915	-79.560	-60.851	11.722	-4.446	1.217
8	SND	-175.195	-86.117	-96.310	56.575	-3.881	1.167
9	SLU	-356.478	-13.470	-184.068	72.862	-5.424	2.005
10	SLU	-356.714	-12.431	-184.068	72.884	-5.420	1.975
11	SLE R	-263.145	-7.583	-123.049	47.388	-3.960	1.409
12	SLE R	-262.960	-7.980	-122.934	47.052	-3.983	1.388
13	SLE Q	-211.975	-13.823	-112.546	44.711	-3.858	1.242

In modo cautelativo le verifiche a pressoflessione sono eseguite su una sezione unitaria di dimensioni bxh pari a 1.0x0.5m

La sezione viene armata con un armatura longitudinale costituita da barre ø24/10". Per quanto riguarda l'armatura di ripartizione si prevedono delle barre ø12/10". Si considera una incidenza delle armature pari a i=230kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resistenza compress. di progetto fcd:	181.30	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Base:	100.0	cm
Altezza:	50.0	cm

Barre inferiori:	10Ø24	(45.2 cm²)
Barre superiori:	10Ø24	(45.2 cm²)

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx — Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy — Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT — Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	22537	14897	18406	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	26314	4738

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	26314	4738 (37053)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	21197	4471 (32023)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver — S = combinazione verificata / N = combin. non verificata
N — Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx — Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult — Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd — Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic. — Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn — Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
x/d — Rapp. di duttilità (travi e solette)[§ 4.1.1.1 NTC]: deve essere < 0.45
C.Rid. — Coeff. di riduz. momenti in travi continue [formula (4.1.1)NTC]
As Tesa — Area armature long. trave [cm²] in zona tesa. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tesa
1	S	22537	14897	22532	72086	4.839	41.1	0.21	0.70	45.2 (7.5)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max	Deform. unit. massima del conglomerato a compressione
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	50.0	0.00076	43.0	-0.01335	7.0

VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI (§ 4.1.2.1.3.1 NTC)

Ver	S = comb.verificata a taglio/ N = comb. non verificata
Ved	Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct	Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d	Altezza utile sezione [cm]
bw	Larghezza minima sezione [cm]
Ro	Rapporto geometrico di armatura longitudinale [<0.02]
Scp	Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	18406	30932	43.0	100.0	0.0105	0.5

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver	S = combinazione verificata / N = combin. non verificata
Sc max	Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max	Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min	Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min	Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min	Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min	Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff.	Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff.	Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff.	Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)
D barre	Distanza in cm tra le barre tese efficaci.
	(D barre = 0 indica spaziatura superiore a 5(c+Ø/2) e nel calcolo di fess. si usa la (C4.1.11)NTC/(7.14)EC2)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	13.0	50.0	0.0	16.5	-56	43.0	5.5	551	45.2	9.6

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver	Esito verifica
e1	Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2	Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
e3	Deformazione unitaria al limite dell'area tesa efficace di calcestruzzo
K2	= (e1 + e3)/(2*e3) secondo la (7.13) dell'EC2 e la (C4.1.19)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00005	0.00010	-0.00003	0.83	0.60	0.000017 (0.000017)	280	0.005 (990.00)	37053

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre

1	S	13.0	50.0	0.0	16.5	-56	43.0	5.5	551	45.2	9.6

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00005	0.00010	-0.00003	0.83	0.60	0.000017 (0.000017)	280	0.005 (0.40)	37053

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

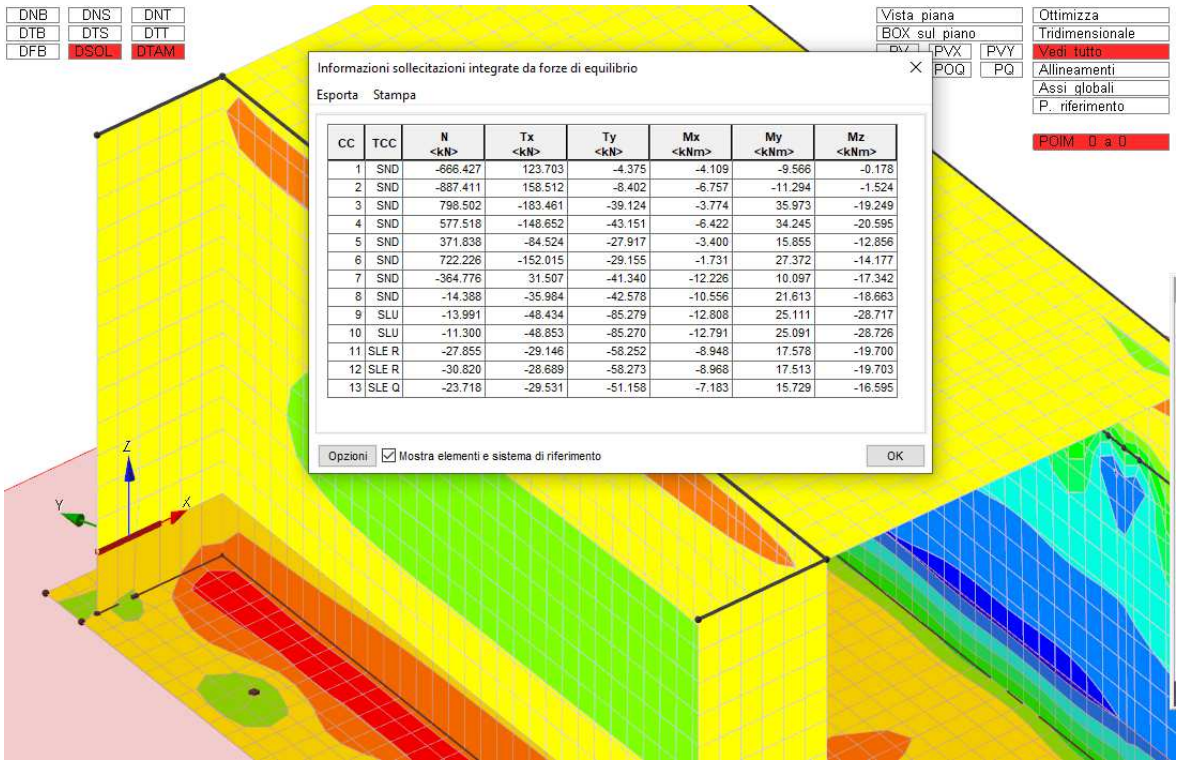
N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	12.1	50.0	0.0	19.6	-75	43.0	6.5	655	45.2	9.6

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00006	0.00009	-0.00004	0.83	0.40	0.000023 (0.000023)	296	0.007 (0.30)	32023

1.1.1.3. *Verifica muri d'ala*

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-666.427	123.703	-4.375	-4.109	-9.566	-0.178
2	SND	-887.411	158.512	-8.402	-6.757	-11.294	-1.524
3	SND	798.502	-183.461	-39.124	-3.774	35.973	-19.249
4	SND	577.518	-148.652	-43.151	-6.422	34.245	-20.595
5	SND	371.838	-84.524	-27.917	-3.400	15.855	-12.856
6	SND	722.226	-152.015	-29.155	-1.731	27.372	-14.177
7	SND	-364.776	31.507	-41.340	-12.226	10.097	-17.342
8	SND	-14.388	-35.984	-42.578	-10.556	21.613	-18.663
9	SLU	-13.991	-48.434	-85.279	-12.808	25.111	-28.717
10	SLU	-11.300	-48.853	-85.270	-12.791	25.091	-28.726
11	SLE R	-27.855	-29.146	-58.252	-8.948	17.578	-19.700
12	SLE R	-30.820	-28.689	-58.273	-8.968	17.513	-19.703
13	SLE Q	-23.718	-29.531	-51.158	-7.183	15.729	-16.595

In modo cautelativo le verifiche a pressoflessione sono eseguite su una sezione unitaria di dimensioni bxh pari a 1.0x0.5m

La sezione viene armata con un armatura longitudinale costituita da barre ø24/10". Per quanto riguarda l'armatura di ripartizione si prevedono delle barre ø12/10". Si considera una incidenza delle armature pari a i=230kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	181.30	daN/cm²
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	4500.0	daN/cm²
	Resist. caratt. rottura ftk:	4500.0	daN/cm²
	Resist. snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef	2000000	daN/cm²
	Diagramma tensione-deformaz.:	Bilineare finito	
	Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
	Coeff. Aderenza differito ß1*ß2 :	0.50	
	Sf limite S.L.E. Comb. Rare:	3600.0	daN/cm²

CARATTERISTICHE DOMINIO CONGLOMERATO

Forma del Dominio:	Poligonale
Classe Conglomerato:	C32/40

N°vertice:	X [cm]	Y [cm]
1	-50.0	0.0
2	-50.0	50.0
3	50.0	50.0
4	50.0	0.0

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	-43.0	7.0	24
2	-43.0	43.0	24
3	43.0	43.0	24
4	43.0	7.0	24

DATI GENERAZIONI LINEARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione lineare di barre
N°Barra Ini.	Numero della barra iniziale cui si riferisce la generazione
N°Barra Fin.	Numero della barra finale cui si riferisce la generazione
N°Barre	Numero di barre generate equidistanti cui si riferisce la generazione
Ø	Diametro in mm delle barre della generazione

N°Gen.	N°Barra Ini.	N°Barra Fin.	N°Barre	Ø
1	2	3	3	24
2	1	4	3	24

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baric. (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia con verso positivo se tale da comprimere il lembo sup. della sez.
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia con verso positivo se tale da comprimere il lembo destro della sez.
Vy	Componente del Taglio [daN] parallela all'asse princ.d'inerzia y
Vx	Componente del Taglio [daN] parallela all'asse princ.d'inerzia x

N°Comb.	N	Mx	My	Vy	Vx
1	79850	377	3597	3912	18346
2	1130	1279	2509	8527	4835

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	3082	894	1757

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	3082	894 (8807)	1757 (17309)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	3082	894 (8718)	1787 (17427)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N Sn	Sforzo normale assegnato [daN] nel baricentro sezione cls. (positivo se di compressione)
Mx Sn	Componente momento assegnato [daNm] riferito all'asse x princ. d'inerzia
My Sn	Componente momento assegnato [daNm] riferito all'asse y princ. d'inerzia
N Res	Sforzo normale resistente [daN] baricentrico (positivo se di compress.)
Mx Res	Momento flettente resistente [daNm] riferito all'asse x princ. d'inerzia
My res	Momento flettente resistente [daNm] riferito all'asse y princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My)

Verifica positiva se tale rapporto risulta >=1.000
As Tesa Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex (4.1.15)NTC]

N°Comb	Ver	N	Mx	My	N Res	Mx Res	My Res	Mis.Sic.	As Tesa
1	S	79850	377	3597	79820	10126	98847	27.47	31.7(8.7)
2	S	1130	1279	2509	1132	29449	57208	22.85	36.2(8.7)

METODO AGLI STATI LIMITE ULTIMI - DEFORMAZIONI UNITARIE ALLO STATO ULTIMO

ec max Deform. unit. massima del conglomerato a compressione
x/d Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00350	0.309	50.0	50.0	0.00251	43.0	43.0	-0.00783	-43.0	7.0
2	0.00350	0.322	50.0	50.0	0.00226	43.0	43.0	-0.00737	-43.0	7.0

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid. Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000104710	0.000037045	-0.003587767	0.309	0.826
2	0.000065336	0.000111522	-0.005342877	0.322	0.842

METODO SLU - VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI ($ 4.1.2.1.3.1 NTC)

Ver S = comb.verificata a taglio/ N = comb. non verificata
Ved Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d Altezza utile sezione [cm]
bw Larghezza minima sezione [cm]
Ro Rapporto geometrico di armatura longitudinale [<0.02]
Scp Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	18600	29866	80.8	47.8	0.0082	1.6
2	S	9801	19709	47.9	60.7	0.0124	0.0

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver S = comb. verificata/ N = comb. non verificata
Sc max Massima tensione (positiva se di compressione) nel conglomerato [daN/cm²]
Xc max, Yc max Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Sf min Minima tensione (negativa se di trazione) nell'acciaio [daN/cm²]
Xs min, Ys min Ascissa, Ordinata [cm] della barra corrisp. a Sf min (sistema rif. X,Y,O)
Ac eff. Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff. Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.8	50.0	50.0	-118	-43.0	7.0	329	4.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.8	50.0	50.0	-118	-43.0	7.0	329	4.5

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC]
	Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [daNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [daNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00007	0	0.833	24.0	58	0.00004 (0.00004)	691	0.024 (0.40)	8807	17309

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

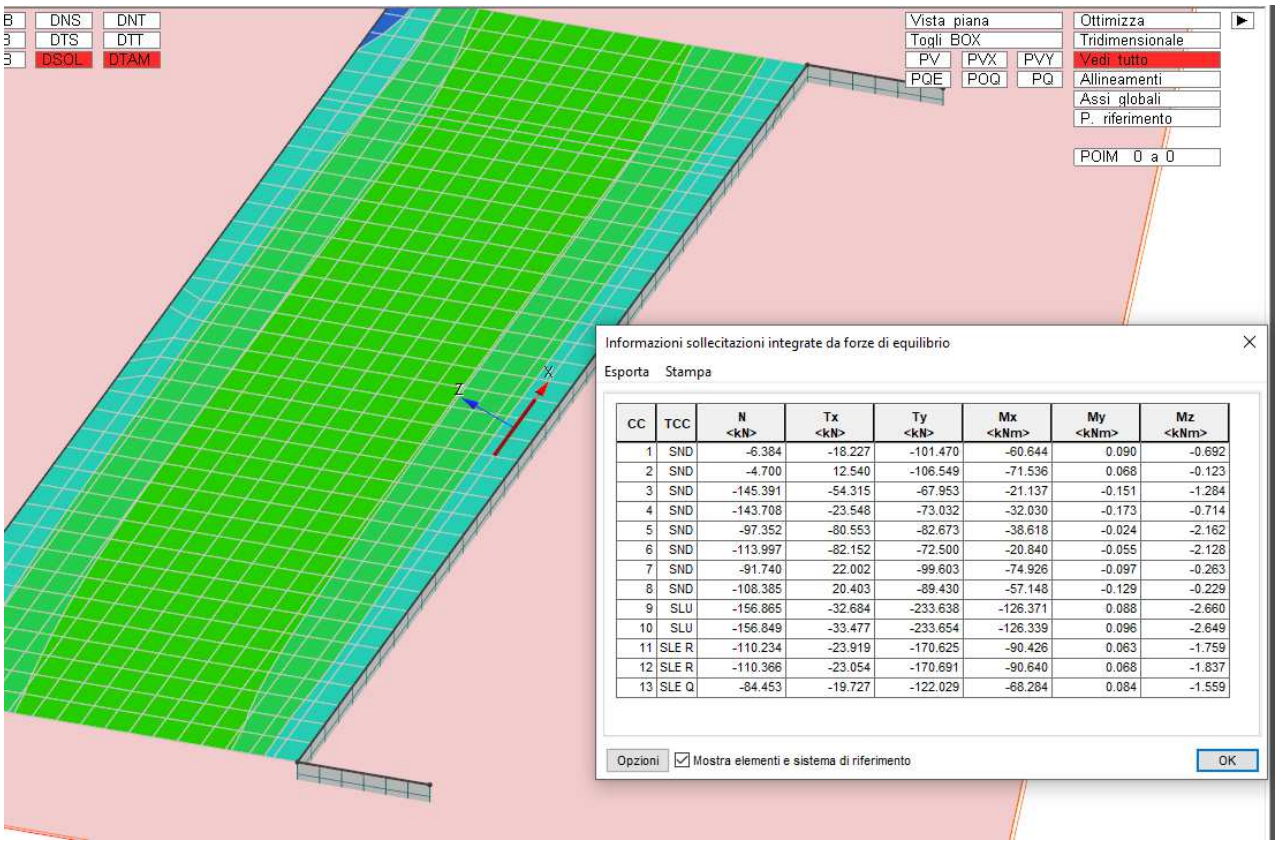
N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	6.9	50.0	50.0	-120	-43.0	7.0	332	4.5

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00007	0	0.833	24.0	58	0.00004 (0.00004)	696	0.025 (0.30)	8718	17427

1.1.1.4. *Verifica soletta di copertura*

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-6.384	-18.227	-101.470	-60.644	0.090	-0.692
2	SND	-4.700	12.540	-106.549	-71.536	0.068	-0.123
3	SND	-145.391	-54.315	-67.953	-21.137	-0.151	-1.284
4	SND	-143.708	-23.548	-73.032	-32.030	-0.173	-0.714
5	SND	-97.352	-80.553	-82.673	-38.618	-0.024	-2.162
6	SND	-113.997	-82.152	-72.500	-20.840	-0.055	-2.128
7	SND	-91.740	22.002	-99.603	-74.926	-0.097	-0.263
8	SND	-108.385	20.403	-89.430	-57.148	-0.129	-0.229
9	SLU	-156.865	-32.684	-233.638	-126.371	0.088	-2.660
10	SLU	-156.849	-33.477	-233.654	-126.339	0.096	-2.649
11	SLE R	-110.234	-23.919	-170.625	-90.426	0.063	-1.759
12	SLE R	-110.366	-23.054	-170.691	-90.640	0.068	-1.837
13	SLE Q	-84.453	-19.727	-122.029	-68.284	0.084	-1.559

In modo cautelativo le verifiche a pressoflessione sono eseguite su una sezione unitaria di dimensioni bxh pari a 1.0x0.5m

La sezione viene armata sia superiormente che inferiormente con ferri fi 24/10" ed armatura di ripartizione di 12/10 ed a i=230kg/mc

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C32/40	
	Resis. compr. di progetto fcd:	181.30	daN/cm²
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	333457333457	daN/cm²
	Resis. media a trazione fctm:	30.16	daN/cm²
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	192.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	192.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	144.00	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	4500.0	daN/cm²
	Resist. caratt. rottura ftk:	4500.0	daN/cm²
	Resist. snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²

Deform. ultima di progetto Epu:	0.068	
Modulo Elastico Ef	2000000	daN/cm²
Diagramma tensione-deformaz.:	Bilineare finito	
Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
Coeff. Aderenza differito ß1*ß2 :	0.50	
Sf limite S.L.E. Comb. Rare:	3600.0	daN/cm²

CARATTERISTICHE DOMINIO CONGLOMERATO

Forma del Dominio: Poligonale
Classe Conglomerato: C32/40

N°vertice:	X [cm]	Y [cm]
1	-50.0	0.0
2	-50.0	50.0
3	50.0	50.0
4	50.0	0.0

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	-43.0	7.0	24
2	-43.0	43.0	24
3	43.0	43.0	24
4	43.0	7.0	24

DATI GENERAZIONI LINEARI DI BARRE

N°Gen.	Numero assegnato alla singola generazione lineare di barre
N°Barra Ini.	Numero della barra iniziale cui si riferisce la generazione
N°Barra Fin.	Numero della barra finale cui si riferisce la generazione
N°Barre	Numero di barre generate equidistanti cui si riferisce la generazione
Ø	Diametro in mm delle barre della generazione

N°Gen.	N°Barra Ini.	N°Barra Fin.	N°Barre	Ø
1	2	3	8	24
2	1	4	8	24

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baric. (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia con verso positivo se tale da comprimere il lembo sup. della sez.
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia con verso positivo se tale da comprimere il lembo destro della sez.
Vy	Componente del Taglio [daN] parallela all'asse princ.d'inerzia y
Vx	Componente del Taglio [daN] parallela all'asse princ.d'inerzia x

N°Comb.	N	Mx	My	Vy	Vx
1	15685	12637	0	23364	3347

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My

1	11023	9042	0

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	11023	9042 (20163)	0 (0)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	8445	6828 (20200)	0 (0)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N Sn	Sforzo normale assegnato [daN] nel baricentro sezione cls. (positivo se di compressione)
Mx Sn	Componente momento assegnato [daNm] riferito all'asse x princ. d'inerzia
My Sn	Componente momento assegnato [daNm] riferito all'asse y princ. d'inerzia
N Res	Sforzo normale resistente [daN] baricentrico (positivo se di compress.)
Mx Res	Momento flettente resistente [daNm] riferito all'asse x princ. d'inerzia
My res	Momento flettente resistente [daNm] riferito all'asse y princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My) Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex (4.1.15)NTC]

N°Comb	Ver	N	Mx	My	N Res	Mx Res	My Res	Mis.Sic.	As Tesa
1	S	15685	12637	0	15683	70864	0	5.61	45.2(8.7)

METODO AGLI STATI LIMITE ULTIMI - DEFORMAZIONI UNITARIE ALLO STATO ULTIMO

ec max	Deform. unit. massima del conglomerato a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00350	0.204	-50.0	50.0	0.00071	-43.0	43.0	-0.01365	-43.0	7.0

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000398894	-0.016444711	0.204	0.700

METODO SLU - VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI ($ 4.1.2.1.3.1 NTC)

Ver	S = comb.verificata a taglio/ N = comb. non verificata
Ved	Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct	Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d	Altezza utile sezione [cm]
bw	Larghezza minima sezione [cm]
Ro	Rapporto geometrico di armatura longitudinale [<0.02]
Scp	Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	23364	30048	43.0	100.0	0.0105	0.3

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel conglomerato [daN/cm²]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Sf min	Minima tensione (negativa se di trazione) nell'acciaio [daN/cm²]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Sf min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	22.1	-50.0	50.0	-424	-33.4	7.0	1050	45.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	22.1	-50.0	50.0	-424	-33.4	7.0	1050	45.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC]
	Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [daNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [daNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00027	0	0.835	24.0	58	0.00013 (0.00013)	355	0.045 (0.40)	20163	0

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

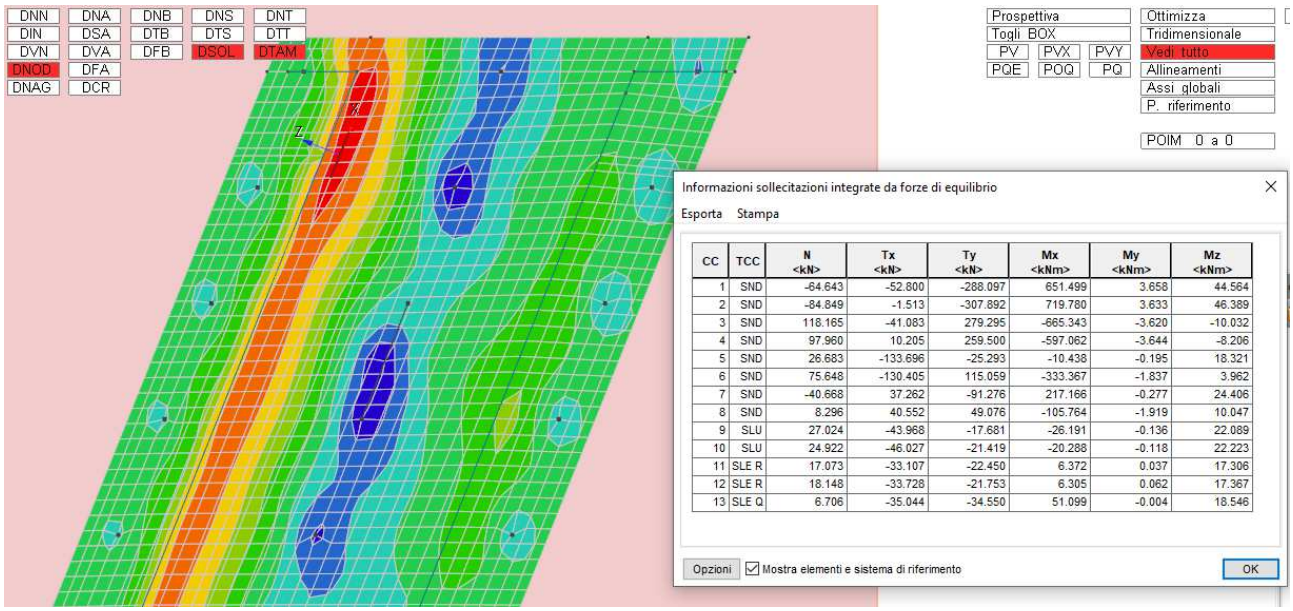
N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	16.7	-50.0	50.0	-319	-43.0	7.0	1050	45.2

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	-0.00021	0	0.835	24.0	58	0.00010 (0.00010)	355	0.034 (0.30)	20200	0

1.1.1.5. *Verifica plinto di fondazione*

Integrando le sollecitazioni alla base del muro per un tratto unitario, avremo per ogni combinazione le seguenti sollecitazioni



CC	TCC	N <kN>	Tx <kN>	Ty <kN>	Mx <kNm>	My <kNm>	Mz <kNm>
1	SND	-64.643	-52.800	-288.097	651.499	3.658	44.564
2	SND	-84.849	-1.513	-307.892	719.780	3.633	46.389
3	SND	118.165	-41.083	279.295	-665.343	-3.620	-10.032
4	SND	97.960	10.205	259.500	-597.062	-3.644	-8.206
5	SND	26.683	-133.696	-25.293	-10.438	-0.195	18.321
6	SND	75.648	-130.405	115.059	-333.367	-1.837	3.962
7	SND	-40.668	37.262	-91.276	217.166	-0.277	24.406
8	SND	8.296	40.552	49.076	-105.764	-1.919	10.047
9	SLU	27.024	-43.968	-17.681	-26.191	-0.136	22.089
10	SLU	24.922	-46.027	-21.419	-20.288	-0.118	22.223
11	SLE R	17.073	-33.107	-22.450	6.372	0.037	17.306
12	SLE R	18.148	-33.728	-21.753	6.305	0.062	17.367
13	SLE Q	6.706	-35.044	-34.550	51.099	-0.004	18.546

In modo cautelativo le verifiche a pressoflessione sono eseguite su una sezione unitaria di dimensioni bxh pari a 1.0x1.5m

La sezione viene armata sia superiormente che inferiormente con ferri fi 24/10" in entrambe le direzioni

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C25/30	
	Resis. compr. di progetto fcd:	141.60	daN/cm²
	Def.unit. max resistenza ec2:	0.0020	
	Def.unit. ultima ecu:	0.0035	
	Diagramma tensione-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	314750	daN/cm²
	Resis. media a trazione fctm:	25.60	daN/cm²
	Coeff. Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	150.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	150.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	112.50	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. snervam. fyk:	4500.0	daN/cm²
	Resist. caratt. rottura ftk:	4500.0	daN/cm²

Resist. snerv. di progetto fyd:	3913.0	daN/cm²
Resist. ultima di progetto ftd:	3913.0	daN/cm²
Deform. ultima di progetto Epu:	0.068	
Modulo Elastico Ef	2000000	daN/cm²
Diagramma tensione-deformaz.:	Bilineare finito	
Coeff. Aderenza istantaneo ß1*ß2 :	1.00	
Coeff. Aderenza differito ß1*ß2 :	0.50	
Sf limite S.L.E. Comb. Rare:	3600.0	daN/cm²

CARATTERISTICHE DOMINIO CONGLOMERATO

Forma del Dominio: Poligonale
Classe Conglomerato: C25/30

N°vertice:	X [cm]	Y [cm]
1	-50.0	0.0
2	-50.0	150.0
3	50.0	150.0
4	50.0	0.0

DATI BARRE ISOLATE

N°Barra	X [cm]	Y [cm]	DiamØ[mm]
1	-43.0	7.0	24
2	-43.0	143.0	24
3	43.0	143.0	24
4	43.0	7.0	24

DATI GENERAZIONI LINEARI DI BARRE

N°Gen. Numero assegnato alla singola generazione lineare di barre
N°Barra Ini. Numero della barra iniziale cui si riferisce la generazione
N°Barra Fin. Numero della barra finale cui si riferisce la generazione
N°Barre Numero di barre generate equidistanti cui si riferisce la generazione
Ø Diametro in mm delle barre della generazione

N°Gen.	N°Barra Ini.	N°Barra Fin.	N°Barre	Ø
1	2	3	8	24
2	1	4	8	24

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N Sforzo normale in daN applicato nel Baric. (+ se di compressione)
Mx Momento flettente [daNm] intorno all'asse x princ. d'inerzia
con verso positivo se tale da comprimere il lembo sup. della sez.
My Momento flettente [daNm] intorno all'asse y princ. d'inerzia
con verso positivo se tale da comprimere il lembo destro della sez.
Vy Componente del Taglio [daN] parallela all'asse princ.d'inerzia y
Vx Componente del Taglio [daN] parallela all'asse princ.d'inerzia x

N°Comb.	N	Mx	My	Vy	Vx
1	8485	71978	0	30789	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione)
con verso positivo se tale da comprimere il lembo superiore della sezione
My Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione)
con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	1707	637	0

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	1707	637 (472389)	0 (0)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N	Sforzo normale in daN applicato nel Baricentro (+ se di compressione)
Mx	Momento flettente [daNm] intorno all'asse x princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione
My	Momento flettente [daNm] intorno all'asse y princ. d'inerzia (tra parentesi Mom.Fessurazione) con verso positivo se tale da comprimere il lembo destro della sezione

N°Comb.	N	Mx	My
1	1707	637 (472389)	0 (0)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver	S = combinazione verificata / N = combin. non verificata
N Sn	Sforzo normale assegnato [daN] nel baricentro sezione cls. (positivo se di compressione)
Mx Sn	Componente momento assegnato [daNm] riferito all'asse x princ. d'inerzia
My Sn	Componente momento assegnato [daNm] riferito all'asse y princ. d'inerzia
N Res	Sforzo normale resistente [daN] baricentrico (positivo se di compress.)
Mx Res	Momento flettente resistente [daNm] riferito all'asse x princ. d'inerzia
My res	Momento flettente resistente [daNm] riferito all'asse y princ. d'inerzia
Mis.Sic.	Misura sicurezza = rapporto vettoriale tra (N r,Mx Res,My Res) e (N,Mx,My) Verifica positiva se tale rapporto risulta >=1.000
As Tesa	Area armature trave [cm²] in zona tesa. [Tra parentesi l'area minima ex (4.1.15)NTC]

N°Comb	Ver	N	Mx	My	N Res	Mx Res	My Res	Mis.Sic.	As Tesa
1	S	8485	71978	0	8487	249854	0	3.47	45.2(22.2)

METODO AGLI STATI LIMITE ULTIMI - DEFORMAZIONI UNITARIE ALLO STATO ULTIMO

ec max	Deform. unit. massima del conglomerato a compressione
x/d	Rapporto di duttilità [§ 4.1.2.1.2.1 NTC] deve essere < 0.45
Xc max	Ascissa in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Xs min	Ascissa in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compress.)
Xs max	Ascissa in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	x/d	Xc max	Yc max	es min	Xs min	Ys min	es max	Xs max	Ys max
1	0.00350	0.065	-50.0	150.0	0.00087	-43.0	143.0	-0.05022	-43.0	7.0

POSIZIONE ASSE NEUTRO PER OGNI COMB. DI RESISTENZA

a, b, c	Coeff. a, b, c nell'eq. dell'asse neutro aX+bY+c=0 nel rif. X,Y,O gen.
x/d	Rapp. di duttilità (travi e solette)[§ 4.1.2.1.2.1 NTC]: deve essere < 0.45
C.Rid.	Coeff. di riduz. momenti per sola flessione in travi continue

N°Comb	a	b	c	x/d	C.Rid.
1	0.000000000	0.000375670	-0.052850427	0.065	0.700

METODO SLU - VERIFICHE A TAGLIO SENZA ARMATURE TRASVERSALI ($ 4.1.2.1.3.1 NTC)

Ver	S = comb.verificata a taglio/ N = comb. non verificata
Ved	Taglio agente [daN] uguale al taglio Vy di comb. (sollecit. retta)
Vwct	Taglio trazione resistente [daN] in assenza di staffe [formula (4.1.23)NTC]
d	Altezza utile sezione [cm]
bw	Larghezza minima sezione [cm]
Ro	Rapporto geometrico di armatura longitudinale [<0.02]
Scp	Tensione media di compressione nella sezione [daN/cm²]

N°Comb	Ver	Ved	Vwct	d	bw	Ro	Scp
1	S	30789	48189	143.0	100.0	0.0032	0.1

COMBINAZIONI RARE IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

Ver	S = comb. verificata/ N = comb. non verificata
Sc max	Massima tensione (positiva se di compressione) nel conglomerato [daN/cm²]
Xc max, Yc max	Ascissa, Ordinata [cm] del punto corrisp. a Sc max (sistema rif. X,Y,O)
Sf min	Minima tensione (negativa se di trazione) nell'acciaio [daN/cm²]
Xs min, Ys min	Ascissa, Ordinata [cm] della barra corrisp. a Sf min (sistema rif. X,Y,O)
Ac eff.	Area di calcestruzzo [cm²] in zona tesa considerata aderente alle barre
As eff.	Area barre [cm²] in zona tesa considerate efficaci per l'apertura delle fessure

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.2	-50.0	150.0	0	-43.0	7.0	750	45.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.2	-50.0	150.0	0	-43.0	7.0	750	45.2

COMBINAZIONI FREQUENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

	La sezione viene assunta sempre fessurata anche nel caso in cui la trazione minima del calcestruzzo sia inferiore a fctm
Ver.	Esito della verifica
e1	Massima deformazione di trazione del calcestruzzo, valutata in sezione fessurata
e2	Minima deformazione di trazione del cls. (in sezione fessurata), valutata nella fibra più interna dell'area Ac eff
k1	= 0.8 per barre ad aderenza migliorata [eq.(7.11)EC2]
kt	= 0.4 per comb. quasi permanenti / = 0.6 per comb.frequenti [cfr. eq.(7.9)EC2]
k2	= (e1 + e2)/(2*e1) [eq.(7.13)EC2]
k3	= 3.400 Coeff. in eq.(7.11) come da annessi nazionali
k4	= 0.425 Coeff. in eq.(7.11) come da annessi nazionali
Ø	Diametro [mm] equivalente delle barre tese comprese nell'area efficace Ac eff [eq.(7.11)EC2]
Cf	Copriferro [mm] netto calcolato con riferimento alla barra più tesa
e sm - e cm	Differenza tra le deformazioni medie di acciaio e calcestruzzo [(7.8)EC2 e (C4.1.7)NTC]
	Tra parentesi: valore minimo = 0.6 Smax / Es [(7.9)EC2 e (C4.1.8)NTC]
sr max	Massima distanza tra le fessure [mm]
wk	Apertura fessure in mm calcolata = sr max*(e_sm - e_cm) [(7.8)EC2 e (C4.1.7)NTC]. Valore limite tra parentesi
Mx fess.	Componente momento di prima fessurazione intorno all'asse X [daNm]
My fess.	Componente momento di prima fessurazione intorno all'asse Y [daNm]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	0.00000	0	0.843	24.0	58	0.00000 (0.00000)	311	0.000 (0.40)	472389	0

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - MASSIME TENSIONI NORMALI ED APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	Sc max	Xc max	Yc max	Sf min	Xs min	Ys min	Ac eff.	As eff.
1	S	0.2	-50.0	150.0	0	-43.0	7.0	750	45.2

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - APERTURA FESSURE [§ 7.3.4 EC2]

Comb.	Ver	e1	e2	k2	Ø	Cf	e sm - e cm	sr max	wk	Mx fess	My fess
1	S	0.00000	0	0.843	24.0	58	0.00000 (0.00000)	311	0.000 (0.30)	472389	0

7 TIPOLOGIA FONDAZIONI PROFONDE

Le spalle del Ponte sul Canal Magro sono attestate su pali di grande diametro D=800mm di lunghezza pari a 17m . In particolare la Spalla 1 è costituita da 21 la spalla 2 da 18 pali di lunghezza.

La tecnologia che verrà utilizzata per eseguire i pali di grande diametro, è quella di pali trivellati eseguiti a rotazione con impiego del tubo di rivestimento ("camicia metallica giuntata inserita a rotazione") per tutta la lunghezza del palo. Pertanto non verranno utilizzati fanghi bentonitici o polimeri per il sostegno delle pareti del foro.

Nella Figura 70 è riportata la geometria della spalla 1 e nella Figura 71 è riportata la geometria della spalla 2.

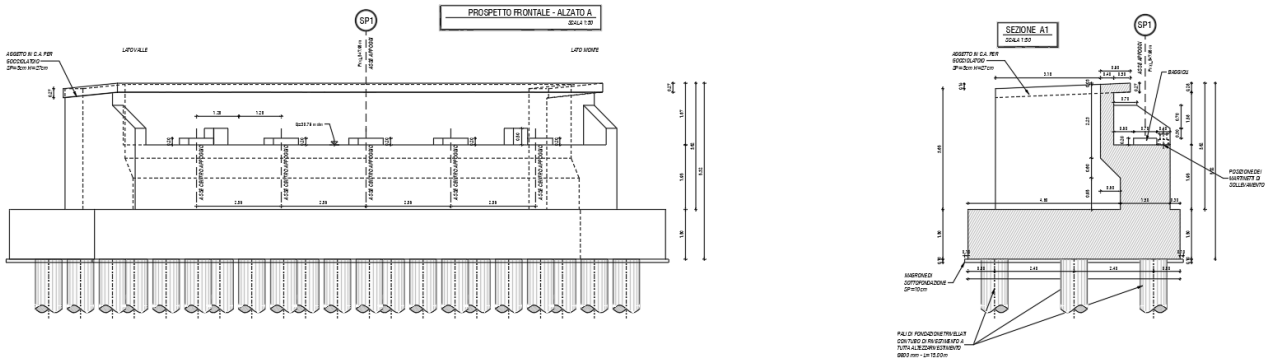


Figura 70 – geometria tipologica Spalla 1

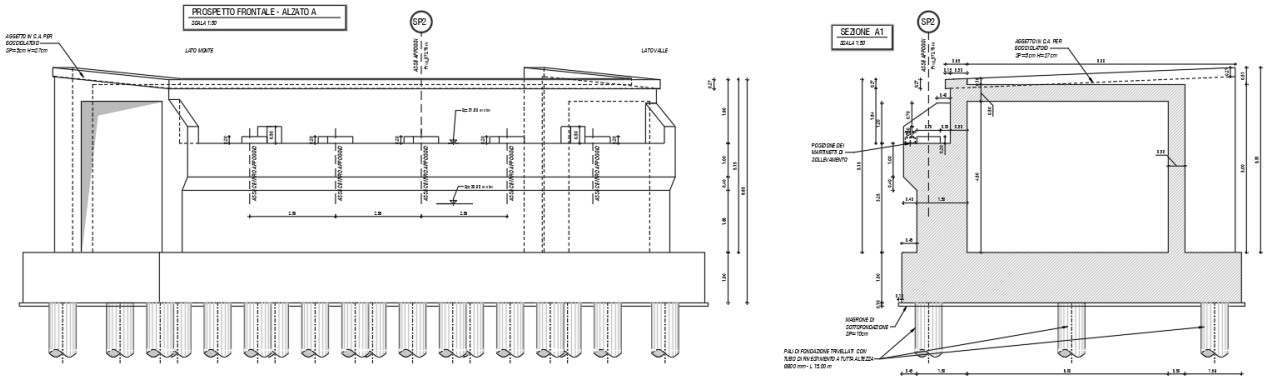


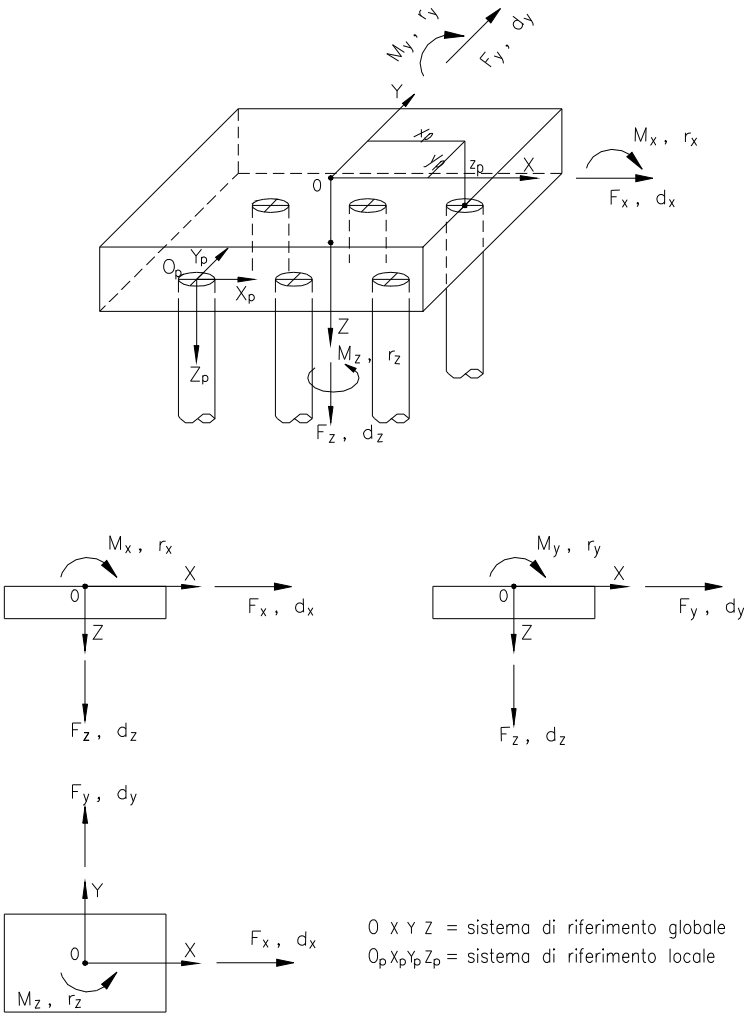
Figura 71 – geometria tipologica Spalla 2

8 PALI ISOLATI SOTTOPOSTI A CARICHI VERTICALI E TRASVERSALI

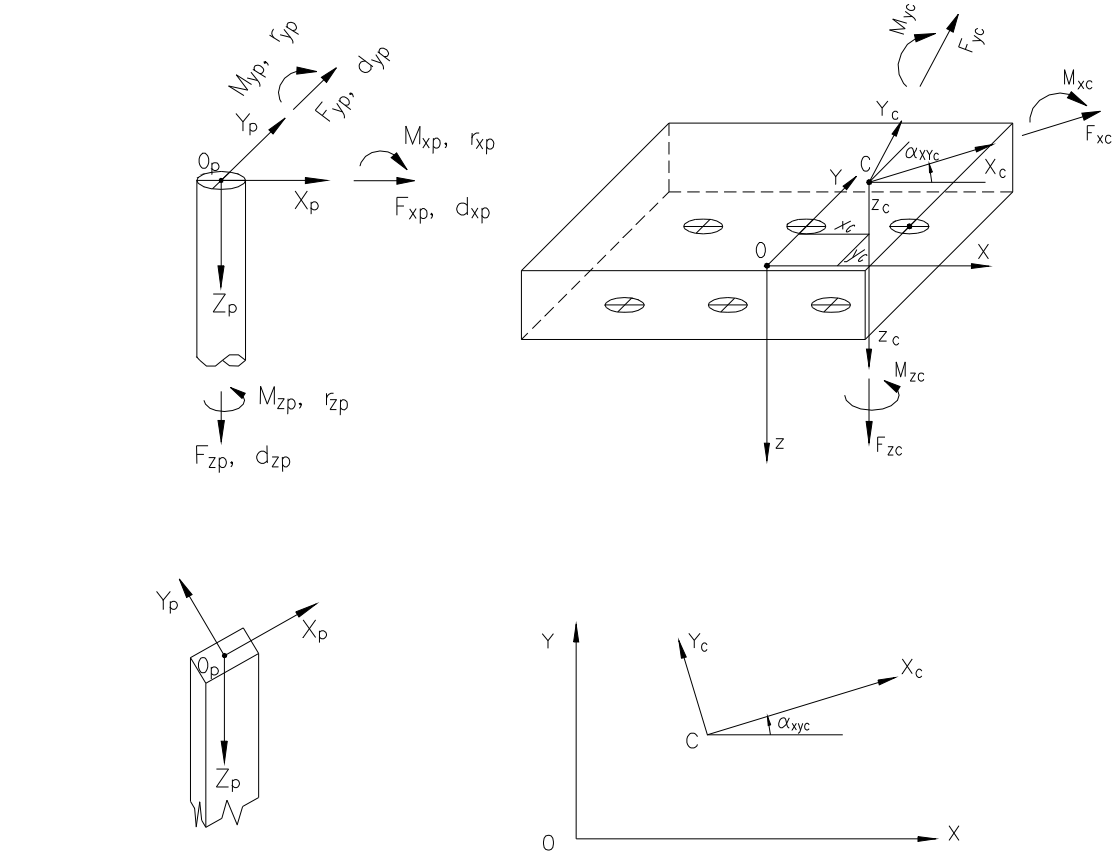
8.1 METODOLOGIA DI CALCOLO

Per determinare le sollecitazioni sui pali viene eseguita un'analisi tridimensionale della palificata, condotta considerando le fondazioni come costituite da pali incastrati in testa al plinto, assimilato ad un corpo infinitamente rigido.
Il comportamento del palo isolato ai carichi assiali è definito da una caratteristica di rigidezza del sistema palo-terreno, che può essere lineare o non lineare. Il comportamento del palo isolato soggetto a carico trasversale è definito da una caratteristica di rigidezza variabile con la profondità.

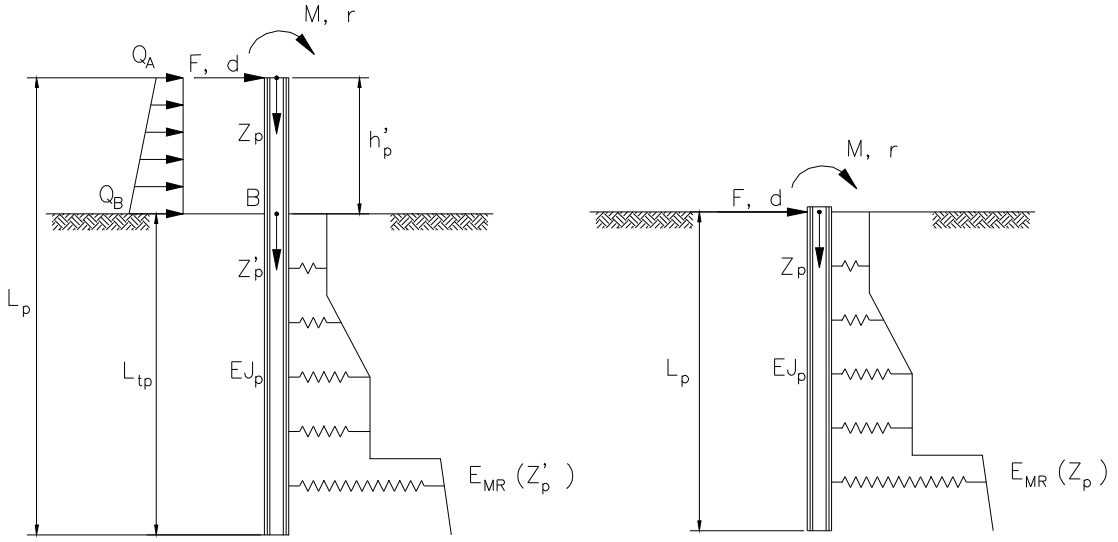
Nelle figure sottostanti sono riportati i sistemi di riferimento globale e locale con le convenzioni sui segni delle variabili adottate, le possibili caratteristiche di rigidezza assiale ed orizzontale per i pali nonché le convezioni adottate per la definizione dei centri di carico.



Definizione dei sistemi di riferimento globali adottati nelle analisi delle palificate



Definizione dei sistemi di riferimento locali e delle convenzioni sui centri di carico adottati nelle analisi delle palificate



Pali soggetti a carichi trasversali: moduli di reazione del terreno

8.2 CARATTERISTICA DELLA PALIFICATA

La struttura della palificata è stata modellata ipotizzando un plinto infinitamente rigido e schematizzando ciascun palo come una trave incastrata nel plinto, caratterizzata da una rigidezza flessionale ottenuta moltiplicando il modulo di Young Ep = 30000 MPa per il momento di inerzia del palo.

8.2.1 Comportamento dei pali a carichi verticali

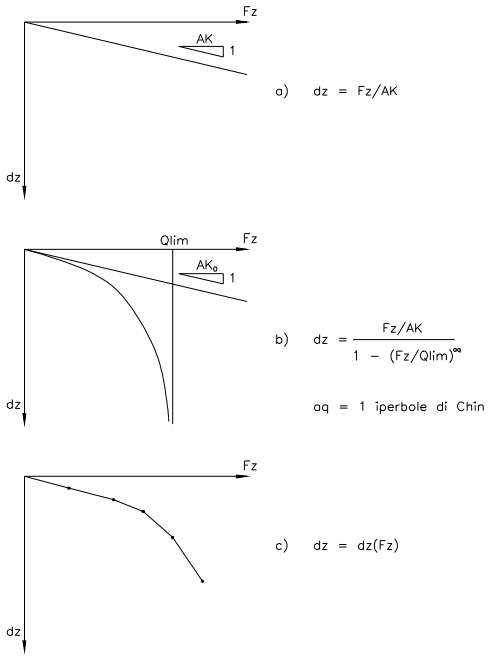
L'interazione fra palo soggetto a carichi verticali e terreno, è stata definita dalla rigidezza Ak = 700000 kN/m (D=800 mm) considerata indipendente dal cedimento del palo (curva carico-cedimento lineare).
Tale rigidezza è calcolata per i livelli di cedimento attesi in esercizio per pali con pendenza secante della curva carico-cedimento di prove in sito disponibili in letteratura. La curva carico-cedimento del palo isolato viene assimilata ad una iperbole definita dalla pendenza iniziale (A_k), dal carico limite ultimo del singolo palo (Q_{lim}) corrispondente al collasso del sistema palo-terreno e dall'esponente (a_q) che ne influenza la forma in accordo allo schema della figura sottostante:

$$d_z = [F_z / A_K] / [1 - (F_z / Q_{lim})\ a_q]$$

dove:

d_z = spostamento verticale a testa palo
F_z = carico assiale a testa palo

Tale curva permette di tenere in conto la non linearità di comportamento, rispetto ai carichi assiali, dei vari elementi della palificata.



Pali soggetti a carichi assiali: relazioni carico-cedimento

8.2.2 Comportamento dei pali a carichi trasversali

La base teorica generale che permette la soluzione del problema dei pali caricati trasversalmente è la stessa delle travi inflesse soggette a carichi non uniformi che consente di scrivere la seguente equazione differenziale della linea elastica:

$$E_p \, J_p \frac{d^4 x}{dz^4} + P = 0$$

dove:

P	reazione del terreno
x	spostamento orizzontale del palo
E_p	modulo elastico del palo
J_p	momento di inerzia del palo

Lo studio dell'interazione tra palo soggetto ai carichi orizzontali ed il terreno è effettuato ricorrendo alla teoria di Matlock e Reese che si basa sul noto modello di suolo alla Winkler (elastico-lineare), caratterizzato da un modulo di reazione orizzontale del terreno E_{mr} definito come il rapporto fra la reazione del terreno per unità di lunghezza del palo p ed il corrispondente spostamento orizzontale y:

$$E_{mr} = \frac{p}{y}$$

Si osservi che, definito k_w il coefficiente di sottofondo di Winkler, per un palo di diametro D si ha:

$$E_{mr} = k_w \, D$$

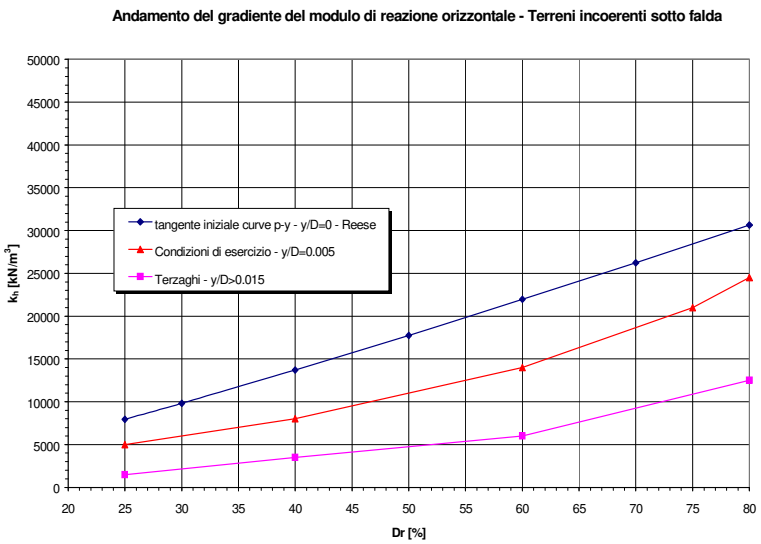
L'andamento del modulo di reazione orizzontale con la profondità è funzione principalmente del tipo di terreno.
Per i *terreni a prevaente comportamento incoerente* si assume, in genere, una legge di variazione lineare caratterizzata dai seguenti parametri:

$$E_{mr} = E_{mr0} + k_h \, z$$

dove:

E_{mr0}	è il valore del modulo di reazione a testa palo
kh	è il gradiente del modulo di reazione del terreno funzione principalmente della densità relativa
z	è la profondità a partire dalla sommità del palo

Nella figura seguente si riportano i valori di riferimento del gradiente k_h corrispondente a valori secanti del modulo E_{MR} per pali isolati con basse deformazioni ($y \leq 0.005 \cdot D$). Per il caso in esame si adotta la Condizione di esericizio (linea rossa).



Pel l'Unità GS con $\phi = 35°$ si considera una $D_R = 50\%$ da cui $k_h = 10000$ kN/m^3/m.
Pel l'Unità LSG con $\phi = 32°$ si considera una $D_R = 35\%$ da cui $k_h = 7500$ kN/m^3/m.

8.3 DETERMINAZIONE DELLE SOLLECITAZIONI SULLA PALIFICATA

I valori massimi delle sollecitazioni agenti su ciascun palo e gli spostamenti della fondazione causati dai carichi applicati sono stati determinati con il codice di calcolo MAP. Lo studio dell'interazione tra palo soggetto ai carichi orizzontali ed il terreno è effettuato ricorrendo alla teoria di Matlock e Reese che si basa sul noto modello di suolo alla Winkler (elastico-lineare) caratterizzato da un modulo di reazione orizzontale del terreno E_{mr}.
Nel caso in esame si assume un modulo di reazione orizzontale, a partire da quota intradosso plintoe variabile secondo queste legge:

SPALLA 1

Prof. da testa palo [m]	E_{mr} [MPa]	Unità	k_h [kN/m^3]
0.0	25	GS	10000
3.5	60		
3.51	45	LSG	7500
10.0	94		
10.01	125	GS	10000
30.0	325		

SPALLA 2

Prof. da testa palo [m]	E_{mr} [MPa]	Unità	k_h [kN/m^3]
0.0	35	GS	10000
3.0	65		
3.01	49	LSG	7500
9.5	98		
9.51	130	GS	10000
30.0	335		

8.4 SPALLA 1

8.4.1 Azioni agenti sulle palificate

Nella tabella seguente si riportano le azioni agenti. Tali carichi sono quelli di progetto ovvero riferiti a quota testa pali, intradosso fondazione. Le azioni tengono già conto del peso del plinto e del peso del terreno gravante su di esso.
Il sistema di riferimento l'asse X = L in direzione longitudinale e l'asse Y = T in direzione trasversale, mentre l'asse Z è positivo verso il basso. La convenzione di segno è schematicamente illustrata nella figura di seguito.

Azioni Combinate	N	H_t	H_l	M_t	M_l	M_z
SLU	[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
SND	-13290	-114	6699	615	27048	5410
SND	-13290	-2319	6699	6528	27048	1110
SND	-13290	1698	-5152	-4229	-4711	387
SND	-13290	-506	-5152	1683	-4711	-3911
SND	-13290	3092	2551	-7979	15931	8669
SND	-13290	3636	-1004	-9432	6403	7162
SND	-13290	-4257	2551	11731	15933	-5663
SND	-13290	-3713	-1004	10278	6405	-7170
SLU Max	-17030	-14	1697	1836	12264	-755
SLU Min	-16876	142	2261	945	13582	-338
SLE Rmax	-12338	-24	1168	980	9454	-467
SLE Rmin	-12147	86	1600	684	10124	-145
SLE QP	-11933	183	775	320	7404	-686

8.4.2 Risultati delle analisi

Di seguito si riportano i risultati delle massime sollecitazioni ottenute a testa palo per le varie combinazioni

Sollecitazioni massime in sommita' ai pali SLU

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	1817.7	377.1	337.6	21	2
S.2	-551.9	377.1	337.6	1	2
S.3	-551.9	377.1	337.6	1	2
S.4	-551.9	377.1	337.6	1	2
T.1	1817.7	377.1	337.6	21	2
T.2	-551.9	377.1	337.6	1	2

S.1: cond. di carico con Sforzo Normale Massimo
SP1 - SLV2
S.2: cond. di carico con Sforzo Normale Minimo
SP1 - SLV2
S.3: cond. di carico con Momento Massimo
SP1 - SLV2
S.4: cond. di carico con Taglio Massimo
SP1 - SLV2
T.1: cond. di carico con Tensione Massima (sez. interamente reagente)
SP1 - SLV2
T.2: cond. di carico con Tensione Minima (sez. interamente reagente)
SP1 - SLV2

8.5 SPALLA 2

8.5.1 Azioni agenti sulle palificate

Nella tabella seguente si riportano le azioni agenti. Tali carichi sono quelli di progetto ovvero riferiti a quota testa pali, intradosso fondazione. Le azioni tengono già conto del peso del plinto e del peso del terreno gravante su di esso.
Il sistema di riferimento l'asse X = L in direzione longitudinale e l'asse Y = T in direzione trasversale, mentre l'asse Z è positivo verso il basso. La convenzione di segno è schematicamente illustrata nella figura di seguito.

Azioni Combinate	N	H_t	H_l	M_t	M_l	M_z
SLU	[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
SND	-16681	1229	2895	-5312	18000	-2004
SND	-16681	-1229	2895	5171	18003	1982
SND	-16681	2161	-5196	-8249	-14444	2398
SND	-16681	-296	-5196	2233	-14441	6385
SND	-18884	4760	-767	-19823	-6209	-3525
SND	-18884	4841	-2704	-20059	-14348	-3141
SND	-18884	-3435	-767	15121	-6200	9762
SND	-18884	-3354	-2704	14886	-14339	10147
SLU Max	-27093	316	-2921	349	-8471	1556
SLU Min	-27018	394	-2921	-441	-7937	1233
SLE Rmax	-19987	229	-1999	-139	-7461	1123
SLE Rmin	-19843	286	-1999	-317	-6823	883
SLE QP	-18589	206	-1687	-1130	-4309	256

8.5.2 Risultati delle analisi

Di seguito si riportano i risultati delle massime sollecitazioni ottenute a testa palo per le varie combinazioni

```
Sollecitazioni massime in sommita' ai pali SLU/SLV

    ------------------------------------------------
            Fz          M          T      palo   c.d.c.
            kN        kN*m        kN
    ------------------------------------------------
    S.1   2042.6     384.8     307.6      1       6
    S.2     65.6     386.0     308.6     18       6
    S.3   1213.4     404.1     313.9     16       3
    S.4   1213.4     404.1     313.9     16       3
    T.1   2042.6     384.8     307.6      1       6
    T.2     65.6     386.0     308.6     18       6
    ------------------------------------------------
    S.1: cond. di carico con Sforzo Normale Massimo
         SP2 - SLV6
```

```
S.2: cond. di carico con Sforzo Normale Minimo
     SP2 - SLV6
S.3: cond. di carico con Momento Massimo
     SP2 - SLV3
S.4: cond. di carico con Taglio Massimo
     SP2 - SLV3
T.1: cond. di carico con Tensione Massima (sez. interamente reagente)
     SP2 - SLV6
T.2: cond. di carico con Tensione Minima  (sez. interamente reagente)
     SP2 - SLV6
```

8.6 LUNGHEZZA PALI

Sulla base dei risultati delle analisi delle palificate e del calcolo delle curve di capacità portante dei singoli pali nelle varie combinazioni di carico, nella tabella seguente si riportano le verifiche di capacità portante dei pali di fondazione.

OPERA	PALIFICATA	L [m]	Q_d COMPRESSIONE kN	N_{MAX} COMPRESSIONE kN
SPALLA 1	N°21 pali	17.0	2169	1817
SPALLA 2	N°18 pali	17.0	2169	2042

9 VERIFICHE STRUTTURALI PALI

Di seguito si riportano le verifiche delle sezioni in c.a. dei pali di fondazione, divise per Spalle e Pile, riprendendo le sollecitazioni sopra riportate. Si considera un copriferro pari a 7.5 cm desunta dall'EC2, cap.4.4.1.3, par. (4), dove è raccomandato tale valore "per le parti di struttura contro terra". Il calcestruzzo è di tipo Rck 25/30 (UNI 11104 classe esposizione XC2) ed una armatura:

- Spalla 1: n°20 ϕ 24 e spirale ϕ12/20
- Spalla 2: n°20 ϕ 24 e spirale ϕ12/20

Incidenza Pali i=140kg/m^3

9.1 SPALLA 1

Sollecitazioni massime in sommita' ai pali SLU/SLV

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	1817.7	377.1	337.6	21	2
S.2	-551.9	377.1	337.6	1	2
S.3	-551.9	377.1	337.6	1	2
S.4	-551.9	377.1	337.6	1	2
T.1	1817.7	377.1	337.6	21	2
T.2	-551.9	377.1	337.6	1	2

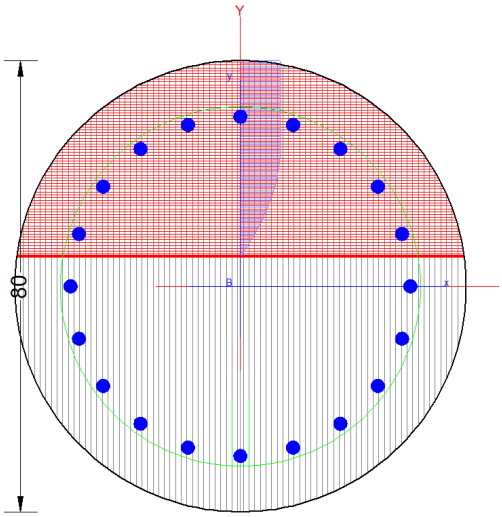
Sollecitazioni massime in sommita' ai pali SLER

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	908.0	80.2	76.3	21	2
S.2	248.8	80.2	76.3	1	2
S.3	248.8	80.2	76.3	1	2
S.4	248.8	80.2	76.3	1	2
T.1	908.0	80.2	76.3	21	2
T.2	248.8	80.2	76.3	1	2

Sollecitazioni massime in sommita' ai pali SLE QP

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	790.7	38.2	37.9	3	1
S.2	345.8	38.2	37.9	19	1
S.3	351.3	38.2	37.9	1	1

```
S.4     351.3      38.2      37.9     1       1
T.1     790.7      38.2      37.9     3       1
T.2     345.8      38.2      37.9    19       1
-----------------------------------------------
```



CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C25/30	
	Resistenza compress. di progetto fcd:	141.60	daN/cm²
	Resistenza compress. ridotta fcd':	70.80	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	314750	daN/cm²
	Resis. media a trazione fctm:	25.60	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	150.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	150.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	112.50	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Diametro sezione:	80.0	cm
Barre circonferenza:	20Ø24	(90.5 cm²)
Coprif.(dal baric. barre):	9.9	cm

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx — Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy — Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT — Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	181700	37710	33760	0
2	-55190	37710	33760	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	90800	8020

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	90800	8020 (0)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	79070	3820 (0)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	8.7	cm
Interferro netto minimo barre longitudinali:	7.0	cm
Interferro massimo barre longitudinali:	0.0	cm [deve essere < 0.0]
Copriferro netto minimo staffe:	7.5	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver — S = combinazione verificata / N = combin. non verificata
N — Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx — Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult — Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd — Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic. — Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn — Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
As Tot. — Area complessiva armature long. pilastro [cm²]. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tot.
1	S	181700	37710	181688	113000	2.997	5.3	---	---	90.5 (15.1)
2	S	-55190	37710	-55171	80333	2.130	19.0	---	---	90.5 (15.1)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max	Deform. unit. massima del conglomerato a compressione
Yc max	Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min	Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min	Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max	Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max	Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	40.0	0.00250	30.1	-0.00357	-30.1
2	0.00350	40.0	0.00185	30.1	-0.00820	-30.1

ARMATURE A TAGLIO E/O TORSIONE DI INVILUPPO PER LE COMBINAZIONI ASSEGNATE

Diametro staffe:	12	mm	
Passo staffe:	20.0	cm	[Passo massimo di normativa = 25.0 cm]
N.Bracci staffe:	2		
Area staffe/m :	11.3	cm²/m	[Area Staffe Minima NTC = 2.3 cm²/m]

VERIFICHE A TAGLIO

Ver	S = comb.verificata a taglio-tors./ N = comb. non verificata
Ved	Taglio agente [daN] uguale al taglio Vy di comb.
Ved	Taglio agente [daN] uguale al taglio Vy di comb.
Vcd	Taglio compressione resistente [daN] lato conglomerato [formula (4.1.28)NTC]
Vwd	Taglio trazione resistente [daN] assorbito dalle staffe [formula (4.1.27)NTC]
bw|z	Larghezza minima [cm] sezione misurata parallelam. all'asse neutro | Braccio coppia interna
Ctg	Cotangente dell'angolo di inclinazione dei puntoni di conglomerato
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe/metro strettamente necessaria per taglio e torsione [cm²/m]

N°Comb	Ver	Ved	Vcd	Vwd	bw| z	Ctg	Acw	ASt
1	S	33760	103634	52355	71.8| 47.3	2.500	1.250	7.3
2	S	33760	89160	59524	67.9| 53.8	2.500	1.000	6.4

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver	S = combinazione verificata / N = combin. non verificata
Sc max	Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max	Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min	Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min	Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min	Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min	Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff.	Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff.	Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff.	Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	20.0	-40.0	0.0	40.0	-354	30.1	24.8	2098	40.7	----

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver	Esito verifica
e1	Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2	Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
K2	= 0.5 per flessione; =(e1 + e2)/(2*e2)in trazione eccentrica per la (7.13)EC2 e la (C4.1.11)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	-0.00022	0.00015		0.50	0.60	0.000106 (0.000106)	506	0.054 (990.00)	19016

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	26.4	-40.0	2.0	40.0	75	30.1	0.0	0	0.0	----

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	0.00002	0.00020		----	----	----	----	----	0

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	18.2	-40.0	6.6	40.0	120	30.1	0.0	0	0.0	----

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	0.00005	0.00014		----	----	----	----	----	0

Per verificare il carico limite trasversale, si considerano i pali incastrati in sommità.

Considerando l'armatura suddetta, il momento di plasticizzazione risulta $M_y = 956$ kNm

Si verifica facilmente, di seguito, che il comportamento di rottura è a *"pali lunghi"*, cioè la rottura si verifica con la formazione di due cerniere plastiche, una in testa ed una più in profondità lungo il fusto.

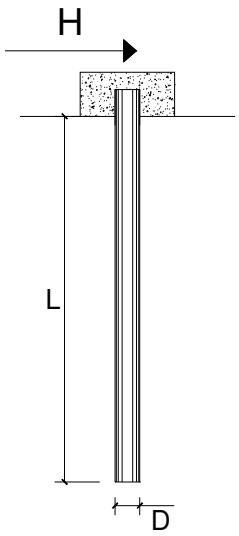
Essendo il modello di verifica al carico limite orizzontale di tipo semplificato (Broms, 1964), essendo i pali di fondazione immersi in terreni incoerenti, come detto essendo il modello di rottura a "palo lungo", si eseguono le seguenti verifiche adottando, come previsto da normativa (par. 6.4.3.1.2) l'Approccio 2.

Come riportato di seguito, si ottiene una resistenza trasversale di progetto pari a:

$$\mathbf{H_d = 407kN} > H_{PROG.} = 377 \text{ kN}$$

CARICO LIMITE ORIZZONTALE DI UN PALO IN TERRENI INCOERENTI
PALI CON ROTAZIONE IN TESTA IMPEDITA

OPERA:



TEORIA DI BASE:
(Broms, 1964)

H = carico limite orizzontale

L = lunghezza del palo

D = diametro del palo

My = momento di plasticizzazione della sezione

Fs = coefficiente di sicurezza

φ' = angolo di attrito del terreno

kp = coeff. di spinta passiva (kp = (1+sinφ')/(1-sinφ'))

γ = peso di unità di volume del terreno (se è presente la falda γ = γ')

Palo corto:

$$H = 1.5 k_p \gamma d^3 \left(\frac{L}{d}\right)^2$$

Palo intermedio:

$$H = \frac{1}{2} k_p \gamma d^3 \left(\frac{L}{d}\right)^2 + \frac{M_y}{L}$$

Palo lungo:

$$H = k_p \gamma d^3 \sqrt[3]{\left(3.676 \frac{M_y}{k_p \gamma d^4}\right)^2}$$

DATI DI IMPUT:

L =	17.00	(m)
D =	0.80	(m)
My =	956.00	(kN m)
Fs =	2.21	(-)
φ' =	35.00	(°)
kp =	3.69	(-)
γ =	20.00	(kN/m^3)

Palo corto:

H1 =	25595.04	(kN)	**H1/FS =**	11581.46	(kN)

Palo intermedio:

H2 =	8587.91	(kN)	**H2/FS =**	3885.93	(kN)

Palo lungo:

H3 =	900.07	(kN)	**H3/FS =**	407.27	(kN)

H = min(H1, H2, H3) = 900.07 (kN) palo lungo

9.2 SPALLA 2

Sollecitazioni massime in sommita' ai pali SLU/SLV

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	2042.6	384.8	307.6	1	6
S.2	65.6	386.0	308.6	18	6
S.3	1213.4	404.1	313.9	16	3
S.4	1213.4	404.1	313.9	16	3
T.1	2042.6	384.8	307.6	1	6
T.2	65.6	386.0	308.6	18	6

Sollecitazioni massime in sommita' ai pali SLR Rare

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	1319.4	143.3	111.7	1	1
S.2	902.1	144.7	112.3	18	2
S.3	1283.0	144.7	112.3	16	2
S.4	1283.0	144.7	112.3	16	2
T.1	1319.4	143.3	111.7	1	1
T.2	902.1	144.7	112.3	18	2

Sollecitazioni massime in sommita' ai pali

	Fz kN	M kN*m	T kN	palo	c.d.c.
S.1	1200.4	122.9	94.3	1	1
S.2	867.7	123.1	94.5	18	1
S.3	1152.4	123.1	94.5	16	1
S.4	1152.4	123.1	94.5	16	1
T.1	1200.4	122.9	94.3	1	1
T.2	867.7	123.1	94.5	18	1

CARATTERISTICHE DI RESISTENZA DEI MATERIALI IMPIEGATI

CALCESTRUZZO -	Classe:	C25/30	
	Resistenza compress. di progetto fcd:	141.60	daN/cm²
	Resistenza compress. ridotta fcd':	70.80	daN/cm²
	Deform. unitaria max resistenza ec2:	0.0020	
	Deformazione unitaria ultima ecu:	0.0035	
	Diagramma tensioni-deformaz.:	Parabola-Rettangolo	
	Modulo Elastico Normale Ec:	314750	daN/cm²
	Resis. media a trazione fctm:	25.60	daN/cm²
	Coeff.Omogen. S.L.E.:	15.00	
	Sc limite S.L.E. comb. Rare:	150.00	daN/cm²
	Sc limite S.L.E. comb. Frequenti:	150.00	daN/cm²
	Ap.Fessure limite S.L.E. comb. Frequenti:	0.400	mm
	Sc limite S.L.E. comb. Q.Permanenti:	112.50	daN/cm²
	Ap.Fess.limite S.L.E. comb. Q.Perm.:	0.300	mm
ACCIAIO -	Tipo:	B450C	
	Resist. caratt. a snervamento fyk:	4500.0	daN/cm²
	Resist. caratt. a rottura ftk:	4500.0	daN/cm²
	Resist. a snerv. di progetto fyd:	3913.0	daN/cm²
	Resist. ultima di progetto ftd:	3913.0	daN/cm²
	Deform. ultima di progetto Epu:	0.068	
	Modulo Elastico Ef:	2000000	daN/cm²
	Diagramma tensioni-deformaz.:	Bilineare finito	
	Coeff. Aderenza istant. ß1*ß2:	1.00	
	Coeff. Aderenza differito ß1*ß2:	0.50	
	Comb.Rare - Sf Limite:	3600.0	daN/cm²

CARATTERISTICHE GEOMETRICHE ED ARMATURE SEZIONE

Diametro sezione:	80.0	cm
Barre circonferenza:	20Ø24	(90.5 cm²)
Coprif.(dal baric. barre):	9.9	cm

CALCOLO DI RESISTENZA - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (posit. se di compress.)
Mx — Momento flettente [daNm] intorno all'asse x baric. della sezione con verso positivo se tale da comprimere il lembo sup. della sezione
Vy — Taglio [daN] in direzione parallela all'asse y baric. della sezione
MT — Momento torcente [daN m]

N°Comb.	N	Mx	Vy	MT
1	204260	38480	31390	0

COMB. RARE (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	131940	14330

COMB. FREQUENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx

1	131940	14330 (315037)

COMB. QUASI PERMANENTI (S.L.E.) - SFORZI PER OGNI COMBINAZIONE ASSEGNATA

N — Sforzo normale [daN] applicato nel baricentro (positivo se di compress.)
Mx — Coppia [daNm] applicata all'asse x baricentrico (tra parentesi il Momento di fessurazione) con verso positivo se tale da comprimere il lembo superiore della sezione

N°Comb.	N	Mx
1	120040	12290 (0)

RISULTATI DEL CALCOLO

Sezione verificata per tutte le combinazioni assegnate

Copriferro netto minimo barre longitudinali:	8.7	cm
Interferro netto minimo barre longitudinali:	7.0	cm
Interferro massimo barre longitudinali:	0.0	cm [deve essere < 0.0]
Copriferro netto minimo staffe:	7.5	cm

VERIFICHE DI RESISTENZA IN PRESSO-TENSO FLESSIONE ALLO STATO LIMITE ULTIMO

Ver — S = combinazione verificata / N = combin. non verificata
N — Sforzo normale [daN] applicato nel Baricentro (positivo se di compressione)
Mx — Momento flettente assegnato [daNm] riferito all'asse x baricentrico
N Ult — Sforzo normale ultimo [daN] nella sezione (positivo se di compress.)
Mx rd — Momento flettente ultimo [daNm] riferito all'asse x baricentrico
Mis.Sic. — Misura sicurezza = rapporto vettoriale tra (N rd,Mx rd) e (N,Mx) Verifica positiva se tale rapporto risulta >=1.000
Yn — Ordinata [cm] dell'asse neutro alla massima resistenza nel sistema di rif. X,Y,O sez.
As Tot. — Area complessiva armature long. pilastro [cm²]. (tra parentesi l'area minima di normativa)

N°Comb	Ver	N	Mx	N rd	Mx rd	Mis.Sic.	Yn	x/d	C.Rid.	As Tot.
1	S	204260	38480	204267	114560	2.977	3.9	---	---	90.5 (15.1)

DEFORMAZIONI UNITARIE ALLO STATO LIMITE ULTIMO

ec max — Deform. unit. massima del conglomerato a compressione
Yc max — Ordinata in cm della fibra corrisp. a ec max (sistema rif. X,Y,O sez.)
es min — Deform. unit. minima nell'acciaio (negativa se di trazione)
Ys min — Ordinata in cm della barra corrisp. a es min (sistema rif. X,Y,O sez.)
es max — Deform. unit. massima nell'acciaio (positiva se di compressione)
Ys max — Ordinata in cm della barra corrisp. a es max (sistema rif. X,Y,O sez.)

N°Comb	ec max	Yc max	es min	Ys min	es max	Ys max
1	0.00350	40.0	0.00254	30.1	-0.00330	-30.1

ARMATURE A TAGLIO E/O TORSIONE DI INVILUPPO PER LE COMBINAZIONI ASSEGNATE

Diametro staffe:	12	mm	
Passo staffe:	20.0	cm	[Passo massimo di normativa = 25.0 cm]
N.Bracci staffe:	2		
Area staffe/m :	11.3	cm²/m	[Area Staffe Minima NTC = 2.3 cm²/m]

VERIFICHE A TAGLIO

Ver — S = comb.verificata a taglio-tors./ N = comb. non verificata
Ved — Taglio agente [daN] uguale al taglio Vy di comb.
Ved — Taglio agente [daN] uguale al taglio Vy di comb.
Vcd — Taglio compressione resistente [daN] lato conglomerato [formula (4.1.28)NTC]
Vwd — Taglio trazione resistente [daN] assorbito dalle staffe [formula (4.1.27)NTC]
bw|z — Larghezza minima [cm] sezione misurata parallelam. all'asse neutro | Braccio coppia interna

Ctg	Cotangente dell'angolo di inclinazione dei puntoni di conglomerato
Acw	Coefficiente maggiorativo della resistenza a taglio per compressione
Ast	Area staffe/metro strettamente necessaria per taglio e torsione [cm²/m]

N°Comb	Ver	Ved	Vcd	Vwd	bw| z	Ctg	Acw	ASt
1	S	31390	102327	51801	71.6| 46.8	2.500	1.250	6.9

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

Ver	S = combinazione verificata / N = combin. non verificata
Sc max	Massima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc max	Ordinata in cm della fibra corrisp. a Sc max (sistema rif. X,Y,O)
Sc min	Minima tensione di compress.(+) nel conglom. in fase fessurata ([daN/cm²]
Yc min	Ordinata in cm della fibra corrisp. a Sc min (sistema rif. X,Y,O)
Sf min	Minima tensione di trazione (-) nell'acciaio [daN/cm²]
Ys min	Ordinata in cm della barra corrisp. a Sf min (sistema rif. X,Y,O)
Dw Eff.	Spessore di conglomerato [cm] in zona tesa considerata aderente alle barre
Ac eff.	Area di congl. [cm²] in zona tesa aderente alle barre (verifica fess.)
As eff.	Area Barre tese di acciaio [cm²] ricadente nell'area efficace(verifica fess.)

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	42.5	-40.0	0.0	40.0	63	30.1	0.0	2098	0.0	----

COMBINAZIONI RARE IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

Ver	Esito verifica
e1	Minima deformazione unitaria (trazione: segno -) nel calcestruzzo in sez. fessurata
e2	Massima deformazione unitaria (compress.: segno +) nel calcestruzzo in sez. fessurata
K2	= 0.5 per flessione; =(e1 + e2)/(2*e2)in trazione eccentrica per la (7.13)EC2 e la (C4.1.11)NTC
Kt	fattore di durata del carico di cui alla (7.9) dell'EC2
e sm	Deformazione media acciaio tra le fessure al netto di quella del cls. Tra parentesi il valore minimo = 0.6 Ss/Es
srm	Distanza massima in mm tra le fessure
wk	Apertura delle fessure in mm fornito dalla (7.8)EC2 e dalla (C4.1.7)NTC. Tra parentesi è indicato il valore limite.
M fess.	Momento di prima fessurazione [daNm]

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	0.00000	0.00000		----	----	----	----	----	315037

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	42.5	-40.0	0.0	40.0	63	30.1	0.0	0	0.0	----

COMBINAZIONI FREQUENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	0.00000	0.00000		----	----	----	----	----	315037

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA MASSIME TENSIONI NORMALI

N°Comb	Ver	Sc max	Yc max	Sc min	Yc min	Sf min	Ys min	Dw Eff.	Ac Eff.	As Eff.	D barre
1	S	37.5	-40.0	0.1	40.0	71	30.1	0.0	0	0.0	----

COMBINAZIONI QUASI PERMANENTI IN ESERCIZIO - VERIFICA APERTURA FESSURE (NTC/EC2)

N°Comb	Ver	e1	e2	e3	K2	Kt	e sm	srm	wk	M Fess.
1	S	0.00000	0.00028		----	----	----	----	----	0

Per verificare il carico limite trasversale, si considerano i pali incastrati in sommità.

Considerando l'armatura suddetta, il momento di plasticizzazione risulta $M_y = 956$ kNm

Si verifica facilmente, di seguito, che il comportamento di rottura è a *"pali lunghi"*, cioè la rottura si verifica con la formazione di due cerniere plastiche, una in testa ed una più in profondità lungo il fusto.

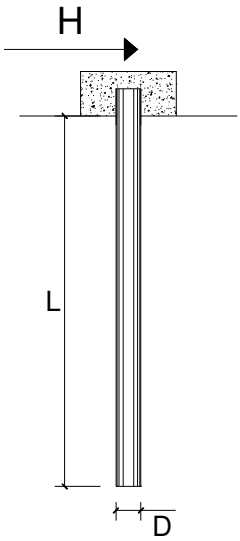
Essendo il modello di verifica al carico limite orizzontale di tipo semplificato (Broms, 1964), essendo i pali di fondazione immersi in terreni incoerenti, come detto essendo il modello di rottura a "palo lungo", si eseguono le seguenti verifiche adottando, come previsto da normativa (par. 6.4.3.1.2) l'Approccio 2.

Come riportato di seguito, si ottiene una resistenza trasversale di progetto pari a:

$$\mathbf{H_d = 407kN} > H_{PROG.} = 308 \text{ kN}$$

CARICO LIMITE ORIZZONTALE DI UN PALO IN TERRENI INCOERENTI
PALI CON ROTAZIONE IN TESTA IMPEDITA

OPERA:



TEORIA DI BASE:
(Broms, 1964)

H = carico limite orizzontale

L = lunghezza del palo

D = diametro del palo

My = momento di plasticizzazione della sezione

Fs = coefficiente di sicurezza

φ' = angolo di attrito del terreno

kp = coeff. di spinta passiva (kp = (1+sinφ')/(1-sinφ'))

γ = peso di unità di volume del terreno (se è presente la falda γ = γ')

Palo corto:

$$H = 1.5 k_p \gamma d^3 \left(\frac{L}{d}\right)^2$$

Palo intermedio:

$$H = \frac{1}{2} k_p \gamma d^3 \left(\frac{L}{d}\right)^2 + \frac{M_y}{L}$$

Palo lungo:

$$H = k_p \gamma d^3 \sqrt[3]{\left(3.676 \frac{M_y}{k_p \gamma d^4}\right)^2}$$

DATI DI IMPUT:

L =	22.00	(m)
D =	0.80	(m)
My =	587.00	(kN m)
Fs =	2.21	(-)
φ' =	35.00	(°)
kp =	3.69	(-)
γ =	20.00	(kN/m^3)

Palo corto:

H1 = 42865.04 (kN) **H1/FS =** 19395.95 (kN)

Palo intermedio:

H2 = 14315.03 (kN) **H2/FS =** 6477.39 (kN)

Palo lungo:

H3 = 650.23 (kN) **H3/FS =** 294.22 (kN)

H = min(H1, H2, H3) = 650.23 (kN) palo lungo

10 FASCICOLO DEI CALCOLI

SOMMARIO

10 FASCICOLO DEI CALCOLI

10.1 Impalcato

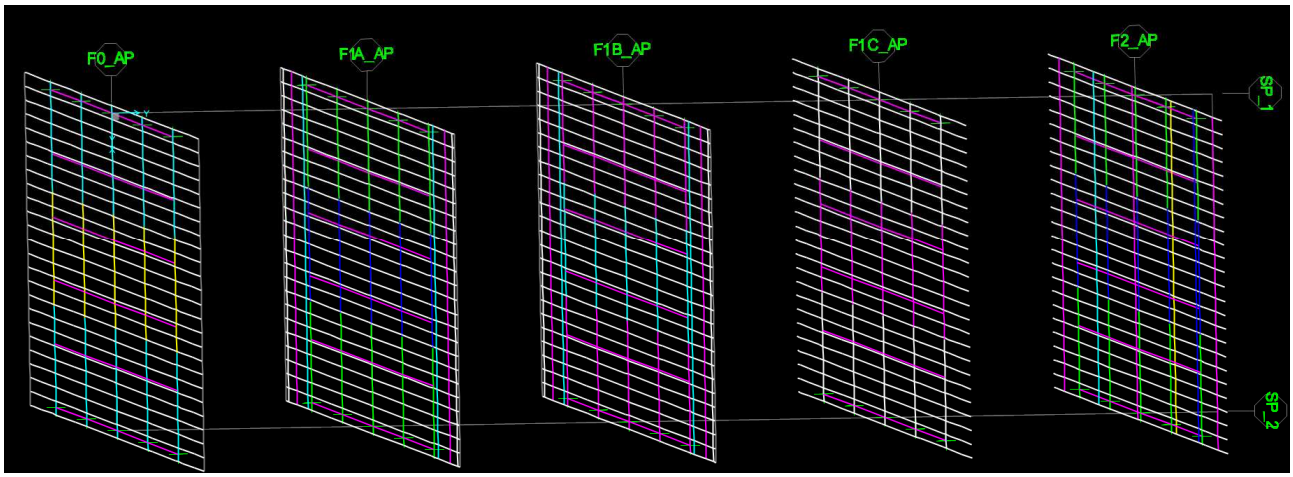


Figura 1 – Vista in pianta dei modelli FEM delle singole fasi (0, 1A, 1B, 1C, 2).

10.1.1 Fase 0

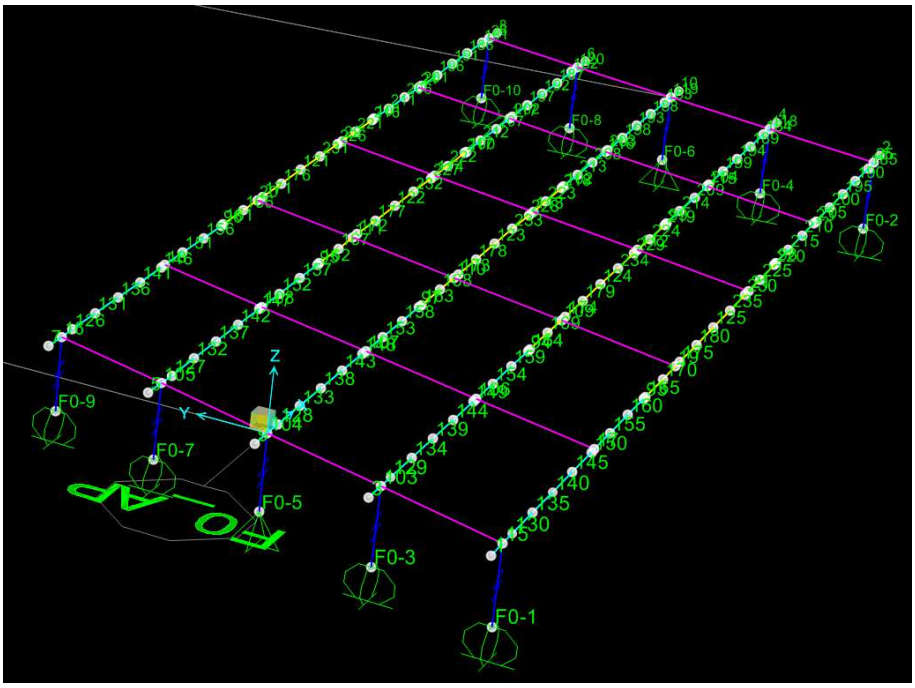


Figura 2 – Numerazione Joints modello FEM – Fase 0.

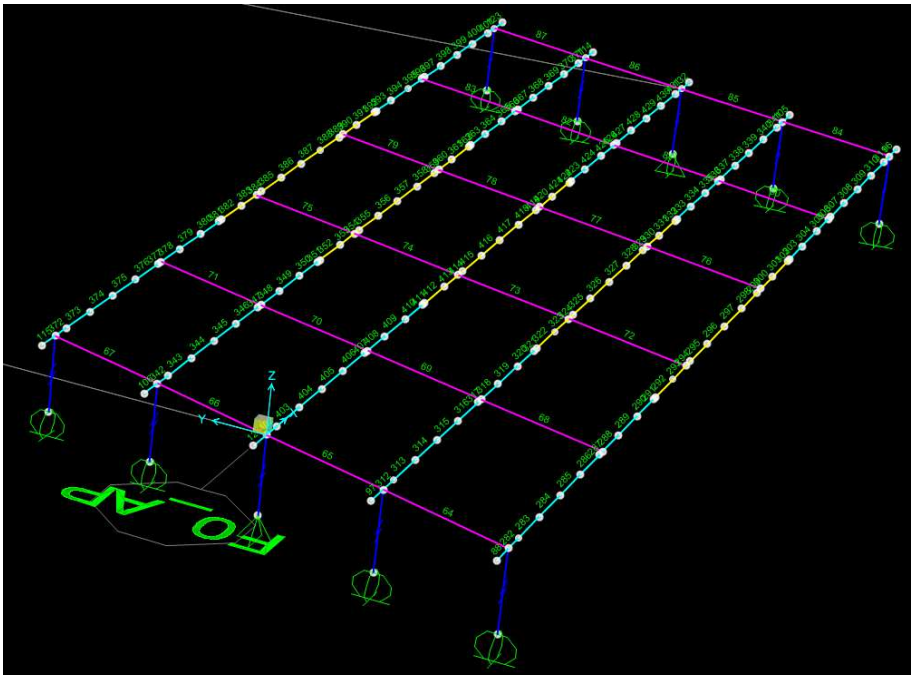


Figura 3 – Numerazione Frames modello FEM – Fase 0.

Carichi e combinazioni di carico – FASE 0

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE 0

TABLE: Element Forces - Frames									
Frame	**Station**	**OutputCase**	**CaseType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
88	0	_G1	Combination	-1.6	26.5	9.0	-0.1	0.5	-4.0
88	0.29634	_G1	Combination	-1.6	27.6	9.0	-0.1	-2.1	-12.1
88	0.59268	_G1	Combination	-1.6	28.8	9.0	-0.1	-4.8	-20.4
96	0	_G1	Combination	6.3	-28.9	-10.4	0.1	-5.6	-20.1
96	0.29634	_G1	Combination	6.3	-27.8	-10.4	0.1	-2.5	-11.7
96	0.59269	_G1	Combination	6.3	-26.7	-10.4	0.1	0.6	-3.6
97	0	_G1	Combination	-0.8	15.3	-4.1	0.0	0.1	3.7
97	0.29634	_G1	Combination	-0.8	16.4	-4.1	0.0	1.3	-1.0
97	0.59268	_G1	Combination	-0.8	17.5	-4.1	0.0	2.5	-6.0
105	0	_G1	Combination	-5.0	-17.1	5.2	0.0	2.8	-5.7
105	0.29634	_G1	Combination	-5.0	-16.0	5.2	0.0	1.3	-0.7
105	0.59268	_G1	Combination	-5.0	-14.9	5.2	0.0	-0.3	3.9
106	0	_G1	Combination	-5.0	14.9	5.2	0.0	0.3	3.9
106	0.29634	_G1	Combination	-5.0	16.0	5.2	0.0	-1.3	-0.7

106	0.59268	_G1	Combination	-5.0	17.1	5.2	0.0	-2.8	-5.7
114	0	_G1	Combination	-0.8	-17.5	-4.1	0.0	-2.5	-6.0
114	0.29634	_G1	Combination	-0.8	-16.4	-4.1	0.0	-1.3	-1.0
114	0.59268	_G1	Combination	-0.8	-15.3	-4.1	0.0	-0.1	3.7
115	0	_G1	Combination	6.3	26.7	-10.4	0.1	-0.6	-3.7
115	0.29634	_G1	Combination	6.3	27.8	-10.4	0.1	2.5	-11.7
115	0.59268	_G1	Combination	6.3	28.9	-10.4	0.1	5.6	-20.1
123	0	_G1	Combination	-1.6	-28.8	9.0	-0.1	4.8	-20.4
123	0.29634	_G1	Combination	-1.6	-27.6	9.0	-0.1	2.1	-12.1
123	0.59269	_G1	Combination	-1.6	-26.5	9.0	-0.1	-0.5	-4.0
124	0	_G1	Combination	1.1	15.8	0.3	0.0	0.2	0.3
124	0.29634	_G1	Combination	1.1	16.9	0.3	0.0	0.1	-4.5
124	0.59268	_G1	Combination	1.1	18.0	0.3	0.0	0.0	-9.7
132	0	_G1	Combination	1.1	-18.0	0.3	0.0	0.0	-9.7
132	0.29634	_G1	Combination	1.1	-16.9	0.3	0.0	-0.1	-4.5
132	0.59268	_G1	Combination	1.1	-15.8	0.3	0.0	-0.2	0.3
282	0	_G1	Combination	9.4	-308.2	-21.7	0.1	-6.6	-20.5
282	0.48492	_G1	Combination	9.4	-306.4	-21.7	0.1	4.0	128.5
283	0	_G1	Combination	3.5	-279.7	-11.7	0.0	-5.6	127.3
283	0.3592	_G1	Combination	3.5	-278.4	-11.7	0.0	-1.4	227.6
283	0.7184	_G1	Combination	3.5	-277.0	-11.7	0.0	2.8	327.3
283	1.0776	_G1	Combination	3.5	-275.7	-11.7	0.0	7.0	426.6
284	0	_G1	Combination	-1.2	-249.3	-2.5	0.0	0.6	424.2
284	0.3592	_G1	Combination	-1.2	-247.9	-2.5	0.0	1.5	513.5
284	0.7184	_G1	Combination	-1.2	-246.6	-2.5	0.0	2.4	602.3
284	1.0776	_G1	Combination	-1.2	-245.2	-2.5	0.0	3.3	690.6
285	0	_G1	Combination	-2.4	-219.5	7.4	-0.1	5.9	685.3
285	0.3592	_G1	Combination	-2.4	-218.2	7.4	-0.1	3.2	763.9
285	0.7184	_G1	Combination	-2.4	-216.9	7.4	-0.1	0.6	842.0
285	1.0776	_G1	Combination	-2.4	-215.5	7.4	-0.1	-2.1	919.7
286	0	_G1	Combination	-0.3	-191.3	19.9	-0.1	10.1	911.2
286	0.3592	_G1	Combination	-0.3	-190.0	19.9	-0.1	2.9	979.7
286	0.7184	_G1	Combination	-0.3	-188.6	19.9	-0.1	-4.2	1047.7
286	1.0776	_G1	Combination	-0.3	-187.3	19.9	-0.1	-11.4	1115.2
287	0	_G1	Combination	-3.0	-165.4	36.2	-0.5	-5.3	1109.9
287	0.16466	_G1	Combination	-3.0	-164.7	36.2	-0.5	-11.3	1137.1

288	0	_G1	Combination	20.2	-171.3	-23.9	0.0	-12.4	1137.1
288	0.45647	_G1	Combination	20.2	-169.6	-23.9	0.0	-1.5	1214.9
288	0.91294	_G1	Combination	20.2	-167.9	-23.9	0.0	9.4	1292.0
289	0	_G1	Combination	8.0	-144.9	-9.5	-0.1	-3.3	1295.3
289	0.3592	_G1	Combination	8.0	-143.6	-9.5	-0.1	0.1	1347.1
289	0.7184	_G1	Combination	8.0	-142.2	-9.5	-0.1	3.5	1398.4
289	1.07761	_G1	Combination	8.0	-140.9	-9.5	-0.1	6.9	1449.3
290	0	_G1	Combination	1.6	-117.2	3.4	-0.2	4.1	1448.2
290	0.47839	_G1	Combination	1.6	-115.4	3.4	-0.2	2.5	1503.9
290	0.95678	_G1	Combination	1.6	-113.6	3.4	-0.2	0.9	1558.6
291	0	_G1	Combination	1.6	-113.6	3.4	0.1	0.9	1558.5
291	0.12083	_G1	Combination	1.6	-113.1	3.4	0.1	0.5	1572.2
292	0	_G1	Combination	1.7	-90.3	16.2	-0.4	10.4	1565.5
292	0.3592	_G1	Combination	1.7	-88.7	16.2	-0.4	4.6	1597.7
292	0.7184	_G1	Combination	1.7	-87.1	16.2	-0.4	-1.2	1629.2
292	1.0776	_G1	Combination	1.7	-85.5	16.2	-0.4	-7.0	1660.2
293	0	_G1	Combination	4.2	-64.1	31.9	-0.4	9.2	1650.8
293	0.40712	_G1	Combination	4.2	-62.2	31.9	-0.4	-3.8	1676.5
293	0.81425	_G1	Combination	4.2	-60.4	31.9	-0.4	-16.8	1701.5
294	0	_G1	Combination	32.6	-65.4	-39.5	-0.2	-17.1	1701.6
294	0.26335	_G1	Combination	32.6	-64.3	-39.5	-0.2	-6.7	1718.7
295	0	_G1	Combination	21.8	-43.9	-22.1	-0.3	-13.3	1721.3
295	0.3592	_G1	Combination	21.8	-42.3	-22.1	-0.3	-5.3	1736.8
295	0.7184	_G1	Combination	21.8	-40.7	-22.1	-0.3	2.6	1751.7
295	1.0776	_G1	Combination	21.8	-39.1	-22.1	-0.3	10.6	1766.0
296	0	_G1	Combination	9.3	-17.3	-7.0	-0.3	-1.0	1770.8
296	0.37968	_G1	Combination	9.3	-15.7	-7.0	-0.3	1.6	1777.0
296	0.75936	_G1	Combination	9.3	-14.0	-7.0	-0.3	4.3	1782.6
296	1.13904	_G1	Combination	9.3	-12.3	-7.0	-0.3	6.9	1787.6
297	0	_G1	Combination	3.7	10.2	7.2	-0.4	7.1	1786.3
297	0.37968	_G1	Combination	3.7	11.8	7.2	-0.4	4.4	1782.1
297	0.75936	_G1	Combination	3.7	13.5	7.2	-0.4	1.6	1777.3
297	1.13904	_G1	Combination	3.7	15.2	7.2	-0.4	-1.1	1771.9
298	0	_G1	Combination	4.1	37.0	22.6	-0.4	10.9	1764.8
298	0.3592	_G1	Combination	4.1	38.6	22.6	-0.4	2.8	1751.2
298	0.7184	_G1	Combination	4.1	40.2	22.6	-0.4	-5.3	1737.1

298	1.0776	_G1	Combination	4.1	41.8	22.6	-0.4	-13.5	1722.4
299	0	_G1	Combination	1.4	62.0	40.2	-0.5	-6.1	1717.7
299	0.26335	_G1	Combination	1.4	63.2	40.2	-0.5	-16.7	1701.2
300	0	_G1	Combination	30.0	58.1	-32.1	-0.2	-17.2	1701.3
300	0.40713	_G1	Combination	30.0	59.9	-32.1	-0.2	-4.1	1677.2
300	0.81425	_G1	Combination	30.0	61.8	-32.1	-0.2	8.9	1652.5
301	0	_G1	Combination	15.0	83.2	-16.4	-0.3	-7.1	1659.7
301	0.3592	_G1	Combination	15.0	84.8	-16.4	-0.3	-1.2	1629.5
301	0.7184	_G1	Combination	15.0	86.4	-16.4	-0.3	4.6	1598.8
301	1.07761	_G1	Combination	15.0	88.0	-16.4	-0.3	10.5	1567.5
302	0	_G1	Combination	4.6	110.9	-3.5	-0.5	0.5	1571.2
302	0.12083	_G1	Combination	4.6	111.5	-3.5	-0.5	0.9	1557.8
303	0	_G1	Combination	4.6	111.5	-3.5	-0.2	0.9	1558.2
303	0.47839	_G1	Combination	4.6	113.3	-3.5	-0.2	2.6	1504.4
303	0.95677	_G1	Combination	4.6	115.1	-3.5	-0.2	4.2	1449.8
304	0	_G1	Combination	0.6	138.8	9.8	-0.2	7.2	1447.8
304	0.3592	_G1	Combination	0.6	140.2	9.8	-0.2	3.6	1397.7
304	0.7184	_G1	Combination	0.6	141.5	9.8	-0.2	0.1	1347.1
304	1.0776	_G1	Combination	0.6	142.8	9.8	-0.2	-3.4	1296.1
305	0	_G1	Combination	1.2	165.8	25.0	-0.3	9.9	1290.2
305	0.45647	_G1	Combination	1.2	167.5	25.0	-0.3	-1.5	1214.1
305	0.91294	_G1	Combination	1.2	169.2	25.0	-0.3	-12.9	1137.3
306	0	_G1	Combination	27.0	162.3	-38.2	0.3	-12.4	1137.6
306	0.16466	_G1	Combination	27.0	162.9	-38.2	0.3	-6.1	1110.8
307	0	_G1	Combination	16.5	184.8	-21.2	-0.1	-12.2	1114.0
307	0.3592	_G1	Combination	16.5	186.2	-21.2	-0.1	-4.6	1047.4
307	0.7184	_G1	Combination	16.5	187.5	-21.2	-0.1	3.0	980.2
307	1.0776	_G1	Combination	16.5	188.9	-21.2	-0.1	10.6	912.6
308	0	_G1	Combination	3.9	213.2	-8.1	-0.1	-2.3	918.8
308	0.3592	_G1	Combination	3.9	214.6	-8.1	-0.1	0.6	842.0
308	0.7184	_G1	Combination	3.9	215.9	-8.1	-0.1	3.5	764.7
308	1.0776	_G1	Combination	3.9	217.2	-8.1	-0.1	6.4	686.9
309	0	_G1	Combination	-3.3	243.2	2.5	-0.1	3.5	689.5
309	0.3592	_G1	Combination	-3.3	244.5	2.5	-0.1	2.6	602.0
309	0.7184	_G1	Combination	-3.3	245.8	2.5	-0.1	1.7	513.9
309	1.0776	_G1	Combination	-3.3	247.2	2.5	-0.1	0.8	425.3

310	0	_G1	Combination	-6.3	273.8	12.9	-0.1	7.8	425.3
310	0.3592	_G1	Combination	-6.3	275.2	12.9	-0.1	3.2	326.7
310	0.7184	_G1	Combination	-6.3	276.5	12.9	-0.1	-1.4	227.6
310	1.0776	_G1	Combination	-6.3	277.8	12.9	-0.1	-6.0	128.1
311	0	_G1	Combination	-8.7	304.6	24.4	-0.2	4.7	127.8
311	0.48492	_G1	Combination	-8.7	306.4	24.4	-0.2	-7.1	-20.3
312	0	_G1	Combination	-3.6	-272.8	5.1	0.0	0.6	-5.9
312	0.48492	_G1	Combination	-3.6	-271.0	5.1	0.0	-1.8	125.9
313	0	_G1	Combination	0.2	-255.5	2.3	0.0	1.2	125.5
313	0.3592	_G1	Combination	0.2	-254.2	2.3	0.0	0.4	217.1
313	0.7184	_G1	Combination	0.2	-252.8	2.3	0.0	-0.5	308.1
313	1.0776	_G1	Combination	0.2	-251.5	2.3	0.0	-1.3	398.7
314	0	_G1	Combination	2.1	-236.1	1.4	-0.1	0.7	399.6
314	0.3592	_G1	Combination	2.1	-234.8	1.4	-0.1	0.2	484.2
314	0.7184	_G1	Combination	2.1	-233.4	1.4	-0.1	-0.3	568.3
314	1.0776	_G1	Combination	2.1	-232.1	1.4	-0.1	-0.8	651.9
315	0	_G1	Combination	0.0	-216.4	2.0	-0.1	1.2	655.4
315	0.3592	_G1	Combination	0.0	-215.0	2.0	-0.1	0.5	732.9
315	0.7184	_G1	Combination	0.0	-213.7	2.0	-0.1	-0.2	809.9
315	1.0776	_G1	Combination	0.0	-212.3	2.0	-0.1	-0.9	886.4
316	0	_G1	Combination	-6.7	-195.5	4.3	-0.1	2.6	892.5
316	0.3592	_G1	Combination	-6.7	-194.1	4.3	-0.1	1.1	962.5
316	0.7184	_G1	Combination	-6.7	-192.8	4.3	-0.1	-0.5	1032.0
316	1.0776	_G1	Combination	-6.7	-191.4	4.3	-0.1	-2.0	1101.0
317	0	_G1	Combination	-11.5	-172.9	9.8	0.0	0.6	1103.9
317	0.16466	_G1	Combination	-11.5	-172.3	9.8	0.0	-1.0	1132.4
318	0	_G1	Combination	-4.6	-159.6	-6.5	-0.2	-2.8	1132.3
318	0.45647	_G1	Combination	-4.6	-157.9	-6.5	-0.2	0.2	1204.8
318	0.91294	_G1	Combination	-4.6	-156.2	-6.5	-0.2	3.2	1276.5
319	0	_G1	Combination	0.0	-138.5	-2.4	-0.1	-1.1	1272.1
319	0.3592	_G1	Combination	0.0	-137.2	-2.4	-0.1	-0.2	1321.6
319	0.7184	_G1	Combination	0.0	-135.8	-2.4	-0.1	0.6	1370.7
319	1.0776	_G1	Combination	0.0	-134.5	-2.4	-0.1	1.5	1419.2
320	0	_G1	Combination	0.2	-117.5	0.9	-0.2	0.6	1418.8
320	0.47839	_G1	Combination	0.2	-115.7	0.9	-0.2	0.2	1474.6
320	0.95677	_G1	Combination	0.2	-113.9	0.9	-0.2	-0.2	1529.6

321	0	_G1	Combination	0.2	-113.9	0.9	-0.1	-0.2	1529.5
321	0.12083	_G1	Combination	0.2	-113.4	0.9	-0.1	-0.3	1543.3
322	0	_G1	Combination	-5.5	-95.7	4.6	-0.3	2.8	1547.5
322	0.3592	_G1	Combination	-5.5	-94.1	4.6	-0.3	1.2	1581.6
322	0.7184	_G1	Combination	-5.5	-92.5	4.6	-0.3	-0.5	1615.2
322	1.0776	_G1	Combination	-5.5	-90.9	4.6	-0.3	-2.1	1648.1
323	0	_G1	Combination	-14.9	-72.1	10.1	-0.3	4.6	1654.8
323	0.40712	_G1	Combination	-14.9	-70.3	10.1	-0.3	0.5	1683.8
323	0.81425	_G1	Combination	-14.9	-68.5	10.1	-0.3	-3.7	1712.1
324	0	_G1	Combination	-5.2	-57.9	-14.6	-0.6	-4.5	1711.9
324	0.26335	_G1	Combination	-5.2	-56.7	-14.6	-0.6	-0.7	1727.0
325	0	_G1	Combination	-4.3	-37.2	-7.4	-0.3	-4.0	1723.6
325	0.3592	_G1	Combination	-4.3	-35.6	-7.4	-0.3	-1.3	1736.7
325	0.7184	_G1	Combination	-4.3	-34.0	-7.4	-0.3	1.4	1749.2
325	1.0776	_G1	Combination	-4.3	-32.4	-7.4	-0.3	4.0	1761.1
326	0	_G1	Combination	-0.9	-14.0	-2.2	-0.3	-1.0	1756.3
326	0.37968	_G1	Combination	-0.9	-12.3	-2.2	-0.3	-0.2	1761.2
326	0.75936	_G1	Combination	-0.9	-10.6	-2.2	-0.3	0.7	1765.6
326	1.13904	_G1	Combination	-0.9	-8.9	-2.2	-0.3	1.5	1769.3
327	0	_G1	Combination	-2.8	9.1	2.2	-0.3	1.5	1769.6
327	0.37968	_G1	Combination	-2.8	10.8	2.2	-0.3	0.7	1765.9
327	0.75936	_G1	Combination	-2.8	12.5	2.2	-0.3	-0.2	1761.4
327	1.13904	_G1	Combination	-2.8	14.2	2.2	-0.3	-1.0	1756.4
328	0	_G1	Combination	-10.7	32.7	7.2	-0.4	4.0	1761.8
328	0.3592	_G1	Combination	-10.7	34.3	7.2	-0.4	1.4	1749.7
328	0.7184	_G1	Combination	-10.7	35.9	7.2	-0.4	-1.2	1737.1
328	1.0776	_G1	Combination	-10.7	37.6	7.2	-0.4	-3.7	1723.9
329	0	_G1	Combination	-17.2	57.2	14.3	-0.1	0.6	1727.2
329	0.26335	_G1	Combination	-17.2	58.4	14.3	-0.1	-3.2	1712.0
330	0	_G1	Combination	-7.5	69.1	-10.1	-0.4	-4.1	1711.9
330	0.40712	_G1	Combination	-7.5	70.9	-10.1	-0.4	0.0	1683.4
330	0.81425	_G1	Combination	-7.5	72.8	-10.1	-0.4	4.1	1654.1
331	0	_G1	Combination	-2.4	91.5	-4.5	-0.3	-2.1	1647.5
331	0.3592	_G1	Combination	-2.4	93.1	-4.5	-0.3	-0.5	1614.3
331	0.7184	_G1	Combination	-2.4	94.7	-4.5	-0.3	1.2	1580.6
331	1.0776	_G1	Combination	-2.4	96.3	-4.5	-0.3	2.8	1546.3

332	0	_G1	Combination	0.3	113.9	-0.7	-0.2	-0.2	1542.7
332	0.12083	_G1	Combination	0.3	114.5	-0.7	-0.2	-0.1	1528.9
333	0	_G1	Combination	0.3	114.5	-0.7	-0.2	-0.1	1528.9
333	0.47839	_G1	Combination	0.3	116.3	-0.7	-0.2	0.2	1473.7
333	0.95677	_G1	Combination	0.3	118.1	-0.7	-0.2	0.5	1417.6
334	0	_G1	Combination	-2.6	135.1	2.3	-0.2	1.4	1419.2
334	0.3592	_G1	Combination	-2.6	136.4	2.3	-0.2	0.6	1370.5
334	0.7184	_G1	Combination	-2.6	137.8	2.3	-0.2	-0.2	1321.2
334	1.0776	_G1	Combination	-2.6	139.1	2.3	-0.2	-1.0	1271.5
335	0	_G1	Combination	-10.7	156.8	5.9	-0.1	3.2	1276.9
335	0.45647	_G1	Combination	-10.7	158.5	5.9	-0.1	0.5	1204.9
335	0.91294	_G1	Combination	-10.7	160.3	5.9	-0.1	-2.2	1132.1
336	0	_G1	Combination	-5.4	173.6	-8.6	-0.3	-1.8	1132.0
336	0.16466	_G1	Combination	-5.4	174.2	-8.6	-0.3	-0.4	1103.3
337	0	_G1	Combination	-4.2	192.8	-3.5	-0.1	-1.6	1100.2
337	0.3592	_G1	Combination	-4.2	194.2	-3.5	-0.1	-0.4	1030.7
337	0.7184	_G1	Combination	-4.2	195.5	-3.5	-0.1	0.9	960.8
337	1.0776	_G1	Combination	-4.2	196.8	-3.5	-0.1	2.2	890.3
338	0	_G1	Combination	1.4	213.5	-1.4	-0.1	-0.7	884.9
338	0.3592	_G1	Combination	1.4	214.8	-1.4	-0.1	-0.2	807.9
338	0.7184	_G1	Combination	1.4	216.2	-1.4	-0.1	0.4	730.5
338	1.0776	_G1	Combination	1.4	217.5	-1.4	-0.1	0.9	652.7
339	0	_G1	Combination	3.5	232.9	-1.4	-0.1	-0.8	650.8
339	0.3592	_G1	Combination	3.5	234.2	-1.4	-0.1	-0.3	566.9
339	0.7184	_G1	Combination	3.5	235.6	-1.4	-0.1	0.2	482.5
339	1.0776	_G1	Combination	3.5	236.9	-1.4	-0.1	0.7	397.7
340	0	_G1	Combination	2.4	251.9	-3.2	0.0	-1.8	398.6
340	0.3592	_G1	Combination	2.4	253.2	-3.2	0.0	-0.6	307.9
340	0.7184	_G1	Combination	2.4	254.6	-3.2	0.0	0.5	216.7
340	1.0776	_G1	Combination	2.4	255.9	-3.2	0.0	1.7	125.0
341	0	_G1	Combination	0.9	271.1	-7.2	0.0	-2.0	126.4
341	0.48492	_G1	Combination	0.9	273.0	-7.2	0.0	1.5	-5.6
342	0	_G1	Combination	0.9	-273.0	-7.2	0.0	-1.5	-5.6
342	0.48492	_G1	Combination	0.9	-271.1	-7.2	0.0	2.0	126.4
343	0	_G1	Combination	2.4	-255.9	-3.2	0.0	-1.7	125.0
343	0.3592	_G1	Combination	2.4	-254.6	-3.2	0.0	-0.5	216.7

343	0.7184	_G1	Combination	2.4	-253.2	-3.2	0.0	0.6	307.9
343	1.0776	_G1	Combination	2.4	-251.9	-3.2	0.0	1.8	398.6
344	0	_G1	Combination	3.5	-236.9	-1.4	-0.1	-0.7	397.7
344	0.3592	_G1	Combination	3.5	-235.6	-1.4	-0.1	-0.2	482.5
344	0.7184	_G1	Combination	3.5	-234.2	-1.4	-0.1	0.3	566.9
344	1.0776	_G1	Combination	3.5	-232.9	-1.4	-0.1	0.8	650.8
345	0	_G1	Combination	1.4	-217.5	-1.4	-0.1	-0.9	652.7
345	0.3592	_G1	Combination	1.4	-216.2	-1.4	-0.1	-0.4	730.6
345	0.7184	_G1	Combination	1.4	-214.8	-1.4	-0.1	0.2	808.0
345	1.0776	_G1	Combination	1.4	-213.5	-1.4	-0.1	0.7	884.9
346	0	_G1	Combination	-4.2	-196.9	-3.5	-0.1	-2.2	890.3
346	0.3592	_G1	Combination	-4.2	-195.5	-3.5	-0.1	-0.9	960.8
346	0.7184	_G1	Combination	-4.2	-194.2	-3.5	-0.1	0.4	1030.8
346	1.0776	_G1	Combination	-4.2	-192.8	-3.5	-0.1	1.6	1100.3
347	0	_G1	Combination	-5.4	-174.2	-8.6	-0.3	0.4	1103.3
347	0.16466	_G1	Combination	-5.4	-173.6	-8.6	-0.3	1.8	1132.0
348	0	_G1	Combination	-10.7	-160.3	5.9	-0.1	2.2	1132.1
348	0.45647	_G1	Combination	-10.7	-158.5	5.9	-0.1	-0.5	1204.9
348	0.91294	_G1	Combination	-10.7	-156.8	5.9	-0.1	-3.2	1276.9
349	0	_G1	Combination	-2.6	-139.1	2.3	-0.2	1.0	1271.5
349	0.3592	_G1	Combination	-2.6	-137.8	2.3	-0.2	0.2	1321.2
349	0.7184	_G1	Combination	-2.6	-136.4	2.3	-0.2	-0.6	1370.5
349	1.0776	_G1	Combination	-2.6	-135.1	2.3	-0.2	-1.4	1419.2
350	0	_G1	Combination	0.3	-118.1	-0.7	-0.2	-0.5	1417.7
350	0.47839	_G1	Combination	0.3	-116.3	-0.7	-0.2	-0.2	1473.7
350	0.95677	_G1	Combination	0.3	-114.5	-0.7	-0.2	0.1	1528.9
351	0	_G1	Combination	0.3	-114.5	-0.7	-0.2	0.1	1528.9
351	0.12083	_G1	Combination	0.3	-113.9	-0.7	-0.2	0.2	1542.7
352	0	_G1	Combination	-2.4	-96.3	-4.5	-0.3	-2.8	1546.3
352	0.3592	_G1	Combination	-2.4	-94.7	-4.5	-0.3	-1.2	1580.6
352	0.7184	_G1	Combination	-2.4	-93.1	-4.5	-0.3	0.4	1614.3
352	1.0776	_G1	Combination	-2.4	-91.5	-4.5	-0.3	2.0	1647.5
353	0	_G1	Combination	-7.5	-72.8	-10.1	-0.4	-4.1	1654.1
353	0.40712	_G1	Combination	-7.5	-70.9	-10.1	-0.4	0.0	1683.4
353	0.81425	_G1	Combination	-7.5	-69.1	-10.1	-0.4	4.1	1711.9
354	0	_G1	Combination	-17.2	-58.4	14.3	-0.1	3.2	1712.0

354	0.26335	_G1	Combination	-17.2	-57.2	14.3	-0.1	-0.6	1727.2
355	0	_G1	Combination	-10.7	-37.5	7.2	-0.4	3.7	1723.9
355	0.3592	_G1	Combination	-10.7	-35.9	7.2	-0.4	1.2	1737.1
355	0.7184	_G1	Combination	-10.7	-34.3	7.2	-0.4	-1.4	1749.7
355	1.0776	_G1	Combination	-10.7	-32.7	7.2	-0.4	-4.0	1761.8
356	0	_G1	Combination	-2.8	-14.2	2.2	-0.3	1.0	1756.4
356	0.37968	_G1	Combination	-2.8	-12.5	2.2	-0.3	0.2	1761.5
356	0.75936	_G1	Combination	-2.8	-10.8	2.2	-0.3	-0.7	1765.9
356	1.13904	_G1	Combination	-2.8	-9.1	2.2	-0.3	-1.5	1769.7
357	0	_G1	Combination	-0.9	8.9	-2.2	-0.3	-1.5	1769.3
357	0.37968	_G1	Combination	-0.9	10.6	-2.2	-0.3	-0.7	1765.6
357	0.75936	_G1	Combination	-0.9	12.3	-2.2	-0.3	0.2	1761.3
357	1.13904	_G1	Combination	-0.9	14.0	-2.2	-0.3	1.0	1756.3
358	0	_G1	Combination	-4.3	32.4	-7.4	-0.3	-4.0	1761.2
358	0.3592	_G1	Combination	-4.3	34.0	-7.4	-0.3	-1.4	1749.2
358	0.7184	_G1	Combination	-4.3	35.6	-7.4	-0.3	1.3	1736.7
358	1.0776	_G1	Combination	-4.3	37.2	-7.4	-0.3	4.0	1723.7
359	0	_G1	Combination	-5.2	56.7	-14.6	-0.6	0.7	1727.0
359	0.26335	_G1	Combination	-5.2	57.9	-14.6	-0.6	4.5	1712.0
360	0	_G1	Combination	-14.9	68.5	10.1	-0.3	3.6	1712.1
360	0.40712	_G1	Combination	-14.9	70.3	10.1	-0.3	-0.5	1683.8
360	0.81425	_G1	Combination	-14.9	72.1	10.1	-0.3	-4.6	1654.9
361	0	_G1	Combination	-5.5	90.9	4.6	-0.3	2.1	1648.1
361	0.3592	_G1	Combination	-5.5	92.5	4.6	-0.3	0.5	1615.2
361	0.7184	_G1	Combination	-5.5	94.1	4.6	-0.3	-1.2	1581.7
361	1.0776	_G1	Combination	-5.5	95.7	4.6	-0.3	-2.8	1547.6
362	0	_G1	Combination	0.2	113.4	0.8	-0.1	0.3	1543.3
362	0.12083	_G1	Combination	0.2	113.9	0.8	-0.1	0.2	1529.6
363	0	_G1	Combination	0.2	113.9	0.8	-0.2	0.2	1529.6
363	0.47839	_G1	Combination	0.2	115.7	0.8	-0.2	-0.2	1474.6
363	0.95677	_G1	Combination	0.2	117.5	0.8	-0.2	-0.6	1418.9
364	0	_G1	Combination	0.0	134.5	-2.4	-0.1	-1.5	1419.2
364	0.3592	_G1	Combination	0.0	135.8	-2.4	-0.1	-0.6	1370.7
364	0.7184	_G1	Combination	0.0	137.2	-2.4	-0.1	0.2	1321.7
364	1.0776	_G1	Combination	0.0	138.5	-2.4	-0.1	1.1	1272.1
365	0	_G1	Combination	-4.6	156.2	-6.5	-0.2	-3.2	1276.5

365	0.45647	_G1	Combination	-4.6	157.9	-6.5	-0.2	-0.2	1204.8
365	0.91294	_G1	Combination	-4.6	159.6	-6.5	-0.2	2.8	1132.4
366	0	_G1	Combination	-11.5	172.3	9.8	0.0	1.0	1132.4
366	0.16466	_G1	Combination	-11.5	172.9	9.8	0.0	-0.6	1103.9
367	0	_G1	Combination	-6.7	191.4	4.3	-0.1	2.0	1101.0
367	0.3592	_G1	Combination	-6.7	192.8	4.3	-0.1	0.5	1032.0
367	0.7184	_G1	Combination	-6.7	194.1	4.3	-0.1	-1.1	962.5
367	1.0776	_G1	Combination	-6.7	195.5	4.3	-0.1	-2.6	892.5
368	0	_G1	Combination	0.0	212.3	2.0	-0.1	0.9	886.4
368	0.3592	_G1	Combination	0.0	213.7	2.0	-0.1	0.2	809.9
368	0.7184	_G1	Combination	0.0	215.0	2.0	-0.1	-0.5	732.9
368	1.0776	_G1	Combination	0.0	216.4	2.0	-0.1	-1.2	655.4
369	0	_G1	Combination	2.1	232.1	1.4	-0.1	0.8	651.9
369	0.3592	_G1	Combination	2.1	233.5	1.4	-0.1	0.3	568.3
369	0.7184	_G1	Combination	2.1	234.8	1.4	-0.1	-0.2	484.2
369	1.0776	_G1	Combination	2.1	236.1	1.4	-0.1	-0.7	399.6
370	0	_G1	Combination	0.2	251.5	2.3	0.0	1.3	398.7
370	0.3592	_G1	Combination	0.2	252.8	2.3	0.0	0.5	308.1
370	0.7184	_G1	Combination	0.2	254.2	2.3	0.0	-0.4	217.1
370	1.0776	_G1	Combination	0.2	255.5	2.3	0.0	-1.2	125.5
371	0	_G1	Combination	-3.6	271.0	5.1	0.0	1.8	125.9
371	0.48492	_G1	Combination	-3.6	272.8	5.1	0.0	-0.6	-5.9
372	0	_G1	Combination	-8.7	-306.5	24.4	-0.2	7.1	-20.3
372	0.48492	_G1	Combination	-8.7	-304.6	24.4	-0.2	-4.7	127.8
373	0	_G1	Combination	-6.3	-277.9	12.9	-0.1	6.0	128.1
373	0.3592	_G1	Combination	-6.3	-276.5	12.9	-0.1	1.4	227.6
373	0.7184	_G1	Combination	-6.3	-275.2	12.9	-0.1	-3.2	326.7
373	1.0776	_G1	Combination	-6.3	-273.8	12.9	-0.1	-7.8	425.3
374	0	_G1	Combination	-3.3	-247.2	2.5	-0.1	-0.8	425.4
374	0.3592	_G1	Combination	-3.3	-245.8	2.5	-0.1	-1.7	513.9
374	0.7184	_G1	Combination	-3.3	-244.5	2.5	-0.1	-2.6	602.0
374	1.0776	_G1	Combination	-3.3	-243.2	2.5	-0.1	-3.5	689.6
375	0	_G1	Combination	3.8	-217.2	-8.1	-0.1	-6.4	686.9
375	0.3592	_G1	Combination	3.8	-215.9	-8.1	-0.1	-3.5	764.7
375	0.7184	_G1	Combination	3.8	-214.6	-8.1	-0.1	-0.6	842.0
375	1.0776	_G1	Combination	3.8	-213.2	-8.1	-0.1	2.3	918.9

376	0	_G1	Combination	16.5	-188.9	-21.2	-0.1	-10.6	912.7
376	0.3592	_G1	Combination	16.5	-187.5	-21.2	-0.1	-3.0	980.3
376	0.7184	_G1	Combination	16.5	-186.2	-21.2	-0.1	4.6	1047.4
376	1.0776	_G1	Combination	16.5	-184.8	-21.2	-0.1	12.2	1114.0
377	0	_G1	Combination	27.0	-162.9	-38.2	0.3	6.1	1110.8
377	0.16466	_G1	Combination	27.0	-162.3	-38.2	0.3	12.4	1137.6
378	0	_G1	Combination	1.2	-169.2	25.0	-0.3	12.9	1137.3
378	0.45647	_G1	Combination	1.2	-167.5	25.0	-0.3	1.5	1214.2
378	0.91294	_G1	Combination	1.2	-165.8	25.0	-0.3	-9.9	1290.2
379	0	_G1	Combination	0.6	-142.8	9.8	-0.2	3.4	1296.1
379	0.3592	_G1	Combination	0.6	-141.5	9.8	-0.2	-0.1	1347.2
379	0.7184	_G1	Combination	0.6	-140.2	9.8	-0.2	-3.6	1397.8
379	1.07761	_G1	Combination	0.6	-138.8	9.8	-0.2	-7.2	1447.9
380	0	_G1	Combination	4.6	-115.1	-3.5	-0.2	-4.2	1449.9
380	0.47839	_G1	Combination	4.6	-113.3	-3.5	-0.2	-2.6	1504.5
380	0.95678	_G1	Combination	4.6	-111.5	-3.5	-0.2	-0.9	1558.2
381	0	_G1	Combination	4.6	-111.5	-3.5	-0.5	-0.9	1557.8
381	0.12083	_G1	Combination	4.6	-111.0	-3.5	-0.5	-0.5	1571.3
382	0	_G1	Combination	15.0	-88.0	-16.4	-0.3	-10.6	1567.5
382	0.3592	_G1	Combination	15.0	-86.4	-16.4	-0.3	-4.7	1598.8
382	0.7184	_G1	Combination	15.0	-84.8	-16.4	-0.3	1.2	1629.6
382	1.0776	_G1	Combination	15.0	-83.2	-16.4	-0.3	7.2	1659.7
383	0	_G1	Combination	30.0	-61.7	-32.1	-0.2	-9.0	1652.5
383	0.40712	_G1	Combination	30.0	-59.9	-32.1	-0.2	4.1	1677.3
383	0.81425	_G1	Combination	30.0	-58.1	-32.1	-0.2	17.2	1701.3
384	0	_G1	Combination	1.4	-63.2	40.2	-0.5	16.7	1701.2
384	0.26335	_G1	Combination	1.4	-62.0	40.2	-0.5	6.1	1717.7
385	0	_G1	Combination	4.1	-41.8	22.6	-0.4	13.5	1722.4
385	0.3592	_G1	Combination	4.1	-40.2	22.6	-0.4	5.3	1737.1
385	0.7184	_G1	Combination	4.1	-38.6	22.6	-0.4	-2.8	1751.3
385	1.0776	_G1	Combination	4.1	-37.0	22.6	-0.4	-10.9	1764.8
386	0	_G1	Combination	3.7	-15.2	7.2	-0.4	1.1	1771.9
386	0.37968	_G1	Combination	3.7	-13.5	7.2	-0.4	-1.6	1777.4
386	0.75936	_G1	Combination	3.7	-11.8	7.2	-0.4	-4.4	1782.2
386	1.13904	_G1	Combination	3.7	-10.2	7.2	-0.4	-7.1	1786.4
387	0	_G1	Combination	9.3	12.3	-7.0	-0.3	-6.9	1787.7

387	0.37968	_G1	Combination	9.3	14.0	-7.0	-0.3	-4.3	1782.7
387	0.75936	_G1	Combination	9.3	15.7	-7.0	-0.3	-1.6	1777.1
387	1.13904	_G1	Combination	9.3	17.3	-7.0	-0.3	1.0	1770.8
388	0	_G1	Combination	21.8	39.1	-22.1	-0.3	-10.6	1766.1
388	0.3592	_G1	Combination	21.8	40.7	-22.1	-0.3	-2.6	1751.7
388	0.7184	_G1	Combination	21.8	42.3	-22.1	-0.3	5.3	1736.8
388	1.0776	_G1	Combination	21.8	43.9	-22.1	-0.3	13.3	1721.3
389	0	_G1	Combination	32.6	64.3	-39.5	-0.2	6.7	1718.7
389	0.26336	_G1	Combination	32.6	65.4	-39.5	-0.2	17.1	1701.6
390	0	_G1	Combination	4.2	60.4	32.0	-0.4	16.8	1701.6
390	0.40713	_G1	Combination	4.2	62.2	32.0	-0.4	3.8	1676.6
390	0.81425	_G1	Combination	4.2	64.1	32.0	-0.4	-9.2	1650.9
391	0	_G1	Combination	1.7	85.4	16.2	-0.4	7.0	1660.3
391	0.3592	_G1	Combination	1.7	87.1	16.2	-0.4	1.2	1629.3
391	0.7184	_G1	Combination	1.7	88.7	16.2	-0.4	-4.6	1597.7
391	1.07761	_G1	Combination	1.7	90.3	16.2	-0.4	-10.5	1565.6
392	0	_G1	Combination	1.6	113.1	3.4	0.1	-0.5	1572.2
392	0.12083	_G1	Combination	1.6	113.6	3.4	0.1	-0.9	1558.5
393	0	_G1	Combination	1.6	113.6	3.4	-0.2	-0.9	1558.7
393	0.47839	_G1	Combination	1.6	115.4	3.4	-0.2	-2.5	1503.9
393	0.95677	_G1	Combination	1.6	117.2	3.4	-0.2	-4.1	1448.3
394	0	_G1	Combination	8.0	140.9	-9.5	-0.1	-6.9	1449.3
394	0.3592	_G1	Combination	8.0	142.3	-9.5	-0.1	-3.5	1398.5
394	0.7184	_G1	Combination	8.0	143.6	-9.5	-0.1	-0.1	1347.1
394	1.0776	_G1	Combination	8.0	144.9	-9.5	-0.1	3.3	1295.3
395	0	_G1	Combination	20.2	167.9	-23.9	0.0	-9.4	1292.0
395	0.45647	_G1	Combination	20.2	169.6	-23.9	0.0	1.5	1215.0
395	0.91294	_G1	Combination	20.2	171.3	-23.9	0.0	12.4	1137.1
396	0	_G1	Combination	-3.0	164.7	36.2	-0.5	11.3	1137.1
396	0.16466	_G1	Combination	-3.0	165.4	36.2	-0.5	5.3	1110.0
397	0	_G1	Combination	-0.3	187.3	19.9	-0.1	11.4	1115.2
397	0.3592	_G1	Combination	-0.3	188.6	19.9	-0.1	4.2	1047.7
397	0.7184	_G1	Combination	-0.3	190.0	19.9	-0.1	-2.9	979.7
397	1.0776	_G1	Combination	-0.3	191.3	19.9	-0.1	-10.1	911.2
398	0	_G1	Combination	-2.4	215.5	7.4	-0.1	2.1	919.7
398	0.3592	_G1	Combination	-2.4	216.9	7.4	-0.1	-0.6	842.0

398	0.7184	_G1	Combination	-2.4	218.2	7.4	-0.1	-3.2	763.9
398	1.0776	_G1	Combination	-2.4	219.5	7.4	-0.1	-5.9	685.3
399	0	_G1	Combination	-1.2	245.3	-2.5	0.0	-3.3	690.6
399	0.3592	_G1	Combination	-1.2	246.6	-2.5	0.0	-2.4	602.3
399	0.7184	_G1	Combination	-1.2	247.9	-2.5	0.0	-1.5	513.5
399	1.0776	_G1	Combination	-1.2	249.3	-2.5	0.0	-0.6	424.2
400	0	_G1	Combination	3.5	275.7	-11.7	0.0	-7.0	426.6
400	0.3592	_G1	Combination	3.5	277.0	-11.7	0.0	-2.8	327.3
400	0.7184	_G1	Combination	3.5	278.4	-11.7	0.0	1.4	227.6
400	1.0776	_G1	Combination	3.5	279.7	-11.7	0.0	5.6	127.3
401	0	_G1	Combination	9.4	306.4	-21.7	0.1	-4.0	128.5
401	0.48492	_G1	Combination	9.4	308.2	-21.7	0.1	6.6	-20.5
402	0	_G1	Combination	2.0	-273.6	-0.6	0.0	-0.3	-9.7
402	0.48492	_G1	Combination	2.0	-271.8	-0.6	0.0	0.0	122.6
403	0	_G1	Combination	0.2	-255.6	-0.3	0.0	-0.2	125.2
403	0.3592	_G1	Combination	0.2	-254.2	-0.3	0.0	-0.1	216.8
403	0.7184	_G1	Combination	0.2	-252.9	-0.3	0.0	0.1	307.9
403	1.0776	_G1	Combination	0.2	-251.6	-0.3	0.0	0.2	398.5
404	0	_G1	Combination	-1.2	-234.6	-0.1	-0.1	0.0	400.8
404	0.3592	_G1	Combination	-1.2	-233.2	-0.1	-0.1	0.0	484.8
404	0.7184	_G1	Combination	-1.2	-231.9	-0.1	-0.1	0.0	568.3
404	1.0776	_G1	Combination	-1.2	-230.5	-0.1	-0.1	0.0	651.4
405	0	_G1	Combination	-2.8	-212.9	0.2	-0.1	0.1	653.9
405	0.3592	_G1	Combination	-2.8	-211.6	0.2	-0.1	0.0	730.1
405	0.7184	_G1	Combination	-2.8	-210.2	0.2	-0.1	0.0	805.9
405	1.0776	_G1	Combination	-2.8	-208.9	0.2	-0.1	-0.1	881.2
406	0	_G1	Combination	-5.1	-190.6	0.5	-0.1	0.3	884.2
406	0.3592	_G1	Combination	-5.1	-189.2	0.5	-0.1	0.1	952.4
406	0.7184	_G1	Combination	-5.1	-187.9	0.5	-0.1	-0.1	1020.1
406	1.0776	_G1	Combination	-5.1	-186.5	0.5	-0.1	-0.3	1087.4
407	0	_G1	Combination	-7.0	-167.2	0.9	-0.1	0.6	1089.8
407	0.16466	_G1	Combination	-7.0	-166.6	0.9	-0.1	0.4	1117.3
408	0	_G1	Combination	-6.0	-163.2	-0.5	-0.1	-0.4	1117.4
408	0.45647	_G1	Combination	-6.0	-161.5	-0.5	-0.1	-0.1	1191.5
408	0.91294	_G1	Combination	-6.0	-159.8	-0.5	-0.1	0.1	1264.8
409	0	_G1	Combination	-5.9	-140.8	-0.2	-0.2	-0.1	1265.3

409	0.3592	_G1	Combination	-5.9	-139.4	-0.2	-0.2	0.0	1315.6
409	0.7184	_G1	Combination	-5.9	-138.1	-0.2	-0.2	0.0	1365.5
409	1.0776	_G1	Combination	-5.9	-136.7	-0.2	-0.2	0.1	1414.8
410	0	_G1	Combination	-6.6	-117.9	0.0	-0.2	0.0	1415.8
410	0.47839	_G1	Combination	-6.6	-116.1	0.0	-0.2	0.0	1471.7
410	0.95677	_G1	Combination	-6.6	-114.3	0.0	-0.2	0.0	1526.8
411	0	_G1	Combination	-6.6	-114.3	0.0	-0.2	0.0	1527.4
411	0.12083	_G1	Combination	-6.6	-113.7	0.0	-0.2	0.0	1541.2
412	0	_G1	Combination	-8.7	-94.5	0.1	-0.3	0.1	1543.5
412	0.3592	_G1	Combination	-8.7	-92.9	0.1	-0.3	0.0	1577.1
412	0.7184	_G1	Combination	-8.7	-91.2	0.1	-0.3	0.0	1610.2
412	1.0776	_G1	Combination	-8.7	-89.6	0.1	-0.3	-0.1	1642.7
413	0	_G1	Combination	-11.7	-69.7	0.2	-0.3	0.3	1645.8
413	0.40712	_G1	Combination	-11.7	-67.9	0.2	-0.3	0.2	1673.8
413	0.81425	_G1	Combination	-11.7	-66.0	0.2	-0.3	0.2	1701.1
414	0	_G1	Combination	-11.5	-61.4	-0.4	-0.3	-0.8	1701.1
414	0.26335	_G1	Combination	-11.5	-60.2	-0.4	-0.3	-0.7	1717.1
415	0	_G1	Combination	-10.7	-39.6	-0.2	-0.3	-0.2	1716.5
415	0.3592	_G1	Combination	-10.7	-38.0	-0.2	-0.3	-0.1	1730.4
415	0.7184	_G1	Combination	-10.7	-36.4	-0.2	-0.3	0.0	1743.8
415	1.0776	_G1	Combination	-10.7	-34.8	-0.2	-0.3	0.1	1756.6
416	0	_G1	Combination	-9.1	-14.9	-0.1	-0.3	-0.1	1755.1
416	0.37968	_G1	Combination	-9.1	-13.2	-0.1	-0.3	0.0	1760.4
416	0.75936	_G1	Combination	-9.1	-11.5	-0.1	-0.3	0.0	1765.1
416	1.13904	_G1	Combination	-9.1	-9.8	-0.1	-0.3	0.1	1769.2
417	0	_G1	Combination	-9.1	9.8	-0.1	-0.3	-0.1	1769.2
417	0.37968	_G1	Combination	-9.1	11.5	-0.1	-0.3	0.0	1765.1
417	0.75936	_G1	Combination	-9.1	13.2	-0.1	-0.3	0.0	1760.4
417	1.13904	_G1	Combination	-9.1	14.9	-0.1	-0.3	0.1	1755.1
418	0	_G1	Combination	-10.7	34.8	-0.2	-0.3	-0.1	1756.6
418	0.3592	_G1	Combination	-10.7	36.4	-0.2	-0.3	0.0	1743.8
418	0.7184	_G1	Combination	-10.7	38.0	-0.2	-0.3	0.1	1730.4
418	1.0776	_G1	Combination	-10.7	39.6	-0.2	-0.3	0.2	1716.5
419	0	_G1	Combination	-11.5	60.2	-0.4	-0.3	0.7	1717.1
419	0.26335	_G1	Combination	-11.5	61.4	-0.4	-0.3	0.8	1701.1
420	0	_G1	Combination	-11.7	66.0	0.2	-0.3	-0.2	1701.1

420	0.40712	_G1	Combination	-11.7	67.9	0.2	-0.3	-0.2	1673.8
420	0.81425	_G1	Combination	-11.7	69.7	0.2	-0.3	-0.3	1645.8
421	0	_G1	Combination	-8.6	89.6	0.1	-0.3	0.0	1642.7
421	0.3592	_G1	Combination	-8.6	91.2	0.1	-0.3	0.0	1610.2
421	0.7184	_G1	Combination	-8.6	92.9	0.1	-0.3	0.0	1577.1
421	1.0776	_G1	Combination	-8.6	94.5	0.1	-0.3	-0.1	1543.5
422	0	_G1	Combination	-6.6	113.7	0.0	-0.2	0.0	1541.2
422	0.12083	_G1	Combination	-6.6	114.3	0.0	-0.2	0.0	1527.4
423	0	_G1	Combination	-6.6	114.3	0.0	-0.2	0.0	1526.8
423	0.47839	_G1	Combination	-6.6	116.1	0.0	-0.2	0.0	1471.7
423	0.95677	_G1	Combination	-6.6	117.9	0.0	-0.2	0.0	1415.8
424	0	_G1	Combination	-5.9	136.7	-0.2	-0.2	-0.1	1414.8
424	0.3592	_G1	Combination	-5.9	138.1	-0.2	-0.2	0.0	1365.5
424	0.7184	_G1	Combination	-5.9	139.4	-0.2	-0.2	0.0	1315.6
424	1.0776	_G1	Combination	-5.9	140.8	-0.2	-0.2	0.1	1265.3
425	0	_G1	Combination	-6.0	159.8	-0.5	-0.1	-0.1	1264.8
425	0.45647	_G1	Combination	-6.0	161.5	-0.5	-0.1	0.1	1191.5
425	0.91294	_G1	Combination	-6.0	163.2	-0.5	-0.1	0.4	1117.4
426	0	_G1	Combination	-7.0	166.6	0.9	-0.1	-0.5	1117.3
426	0.16466	_G1	Combination	-7.0	167.2	0.9	-0.1	-0.6	1089.8
427	0	_G1	Combination	-5.1	186.5	0.5	-0.1	0.3	1087.4
427	0.3592	_G1	Combination	-5.1	187.9	0.5	-0.1	0.1	1020.1
427	0.7184	_G1	Combination	-5.1	189.2	0.5	-0.1	-0.1	952.4
427	1.0776	_G1	Combination	-5.1	190.6	0.5	-0.1	-0.3	884.2
428	0	_G1	Combination	-2.8	208.9	0.2	-0.1	0.1	881.2
428	0.3592	_G1	Combination	-2.8	210.2	0.2	-0.1	0.0	805.9
428	0.7184	_G1	Combination	-2.8	211.6	0.2	-0.1	0.0	730.1
428	1.0776	_G1	Combination	-2.8	212.9	0.2	-0.1	-0.1	653.9
429	0	_G1	Combination	-1.2	230.5	-0.1	-0.1	0.0	651.4
429	0.3592	_G1	Combination	-1.2	231.9	-0.1	-0.1	0.0	568.3
429	0.7184	_G1	Combination	-1.2	233.2	-0.1	-0.1	0.0	484.8
429	1.0776	_G1	Combination	-1.2	234.6	-0.1	-0.1	0.0	400.8
430	0	_G1	Combination	0.2	251.6	-0.3	0.0	-0.2	398.5
430	0.3592	_G1	Combination	0.2	252.9	-0.3	0.0	-0.1	307.9
430	0.7184	_G1	Combination	0.2	254.2	-0.3	0.0	0.1	216.8
430	1.0776	_G1	Combination	0.2	255.6	-0.3	0.0	0.2	125.2

431	0	_G1	Combination	2.0	271.8	-0.6	0.0	0.0	122.6
431	0.48492	_G1	Combination	2.0	273.6	-0.6	0.0	0.3	-9.7

Reazioni vincolari e spostameni – FASE 0

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

10.1.2 Fase 1A

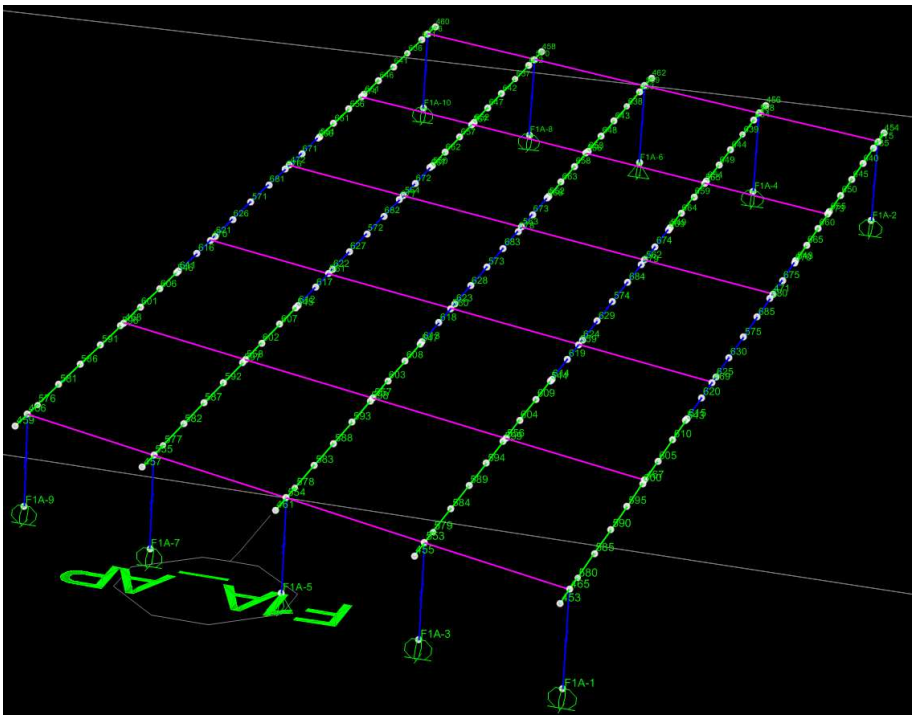


Figura 4 – Numerazione Joints modello FEM – Fase 1A.

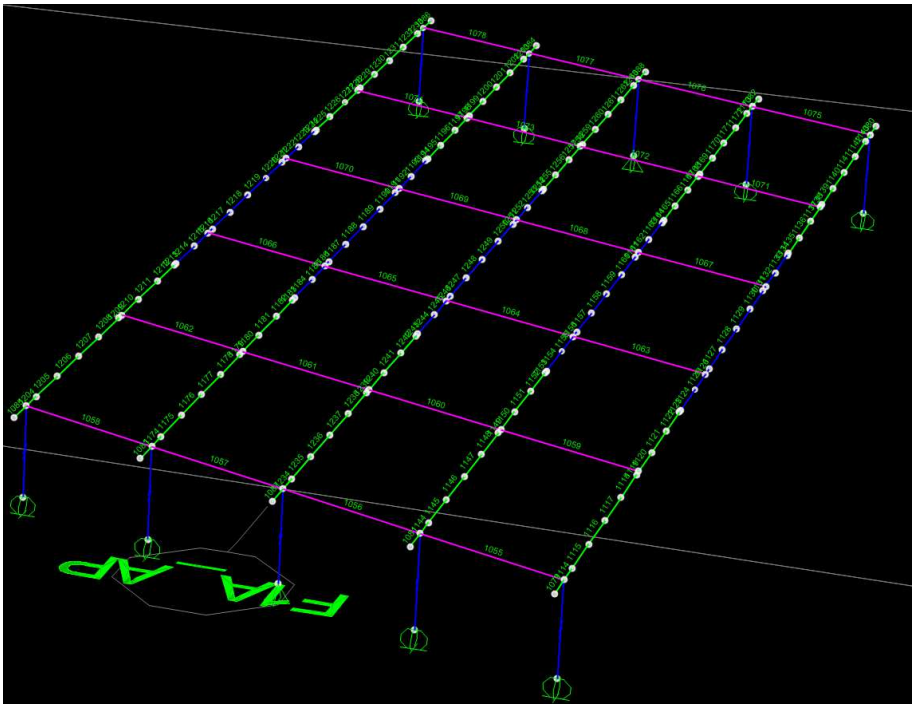


Figura 5 – Numerazione Frames modello FEM – Fase 1A.

Carichi e combinazioni di carico – FASE 1A

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE 1A

TABLE: Element Forces - Frames									
Frame	**Station**	**OutputCase**	**CaseType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
1079	0	_G2	Combination	0.2	10.8	0.8	0.0	-0.9	-0.7
1079	0.29634	_G2	Combination	0.2	10.8	0.8	0.0	-1.2	-3.9
1079	0.59268	_G2	Combination	0.2	10.8	0.8	0.0	-1.4	-7.1
1080	0	_G2	Combination	1.1	-10.9	-1.4	0.0	-1.7	-7.1
1080	0.29634	_G2	Combination	1.1	-10.9	-1.4	0.0	-1.3	-3.9
1080	0.59269	_G2	Combination	1.1	-10.9	-1.4	0.0	-0.9	-0.7
1081	0	_G2	Combination	-0.2	9.7	-1.1	0.0	0.2	1.2
1081	0.29634	_G2	Combination	-0.2	9.7	-1.1	0.0	0.6	-1.7
1081	0.59268	_G2	Combination	-0.2	9.7	-1.1	0.0	0.9	-4.6
1082	0	_G2	Combination	-1.4	-9.6	1.6	0.0	1.1	-4.4
1082	0.29634	_G2	Combination	-1.4	-9.6	1.6	0.0	0.6	-1.5
1082	0.59268	_G2	Combination	-1.4	-9.6	1.6	0.0	0.1	1.3
1083	0	_G2	Combination	-1.5	9.6	1.7	0.0	-0.1	1.4

1083	0.29634	_G2	Combination	-1.5	9.6	1.7	0.0	-0.6	-1.5
1083	0.59268	_G2	Combination	-1.5	9.6	1.7	0.0	-1.1	-4.3
1084	0	_G2	Combination	-0.2	-9.7	-1.2	0.0	-0.9	-4.5
1084	0.29634	_G2	Combination	-0.2	-9.7	-1.2	0.0	-0.6	-1.6
1084	0.59268	_G2	Combination	-0.2	-9.7	-1.2	0.0	-0.2	1.2
1085	0	_G2	Combination	1.2	10.9	-1.5	0.0	0.9	-0.7
1085	0.29634	_G2	Combination	1.2	10.9	-1.5	0.0	1.3	-4.0
1085	0.59268	_G2	Combination	1.2	10.9	-1.5	0.0	1.8	-7.2
1086	0	_G2	Combination	0.1	-10.9	0.9	0.0	1.5	-7.2
1086	0.29634	_G2	Combination	0.1	-10.9	0.9	0.0	1.2	-4.0
1086	0.59269	_G2	Combination	0.1	-10.9	0.9	0.0	0.9	-0.7
1087	0	_G2	Combination	0.4	9.8	0.1	0.0	0.0	0.2
1087	0.29634	_G2	Combination	0.4	9.8	0.1	0.0	0.0	-2.7
1087	0.59268	_G2	Combination	0.4	9.8	0.1	0.0	-0.1	-5.6
1088	0	_G2	Combination	0.4	-9.8	0.1	0.0	0.0	-5.6
1088	0.29634	_G2	Combination	0.4	-9.8	0.1	0.0	0.0	-2.7
1088	0.59268	_G2	Combination	0.4	-9.8	0.1	0.0	0.0	0.2
1114	0	_G2	Combination	3.8	-145.1	-9.6	0.1	-2.2	-7.1
1114	0.48492	_G2	Combination	3.8	-145.1	-9.6	0.1	2.4	63.2
1115	0	_G2	Combination	0.8	-130.5	-5.0	0.0	-2.3	63.0
1115	0.3592	_G2	Combination	0.8	-130.5	-5.0	0.0	-0.5	109.9
1115	0.7184	_G2	Combination	0.8	-130.5	-5.0	0.0	1.3	156.8
1115	1.0776	_G2	Combination	0.8	-130.5	-5.0	0.0	3.1	203.6
1116	0	_G2	Combination	-1.2	-115.9	-0.8	0.0	0.3	202.6
1116	0.3592	_G2	Combination	-1.2	-115.9	-0.8	0.0	0.6	244.2
1116	0.7184	_G2	Combination	-1.2	-115.9	-0.8	0.0	0.9	285.8
1116	1.0776	_G2	Combination	-1.2	-115.9	-0.8	0.0	1.2	327.4
1117	0	_G2	Combination	-1.4	-101.6	3.6	0.0	2.7	324.8
1117	0.3592	_G2	Combination	-1.4	-101.6	3.6	0.0	1.4	361.3
1117	0.7184	_G2	Combination	-1.4	-101.6	3.6	0.0	0.1	397.8
1117	1.0776	_G2	Combination	-1.4	-101.6	3.6	0.0	-1.2	434.3
1118	0	_G2	Combination	0.0	-88.0	9.3	0.0	4.7	430.0
1118	0.3592	_G2	Combination	0.0	-88.0	9.3	0.0	1.4	461.6
1118	0.7184	_G2	Combination	0.0	-88.0	9.3	0.0	-2.0	493.2
1118	1.0776	_G2	Combination	0.0	-88.0	9.3	0.0	-5.3	524.8
1119	0	_G2	Combination	-0.7	-75.5	16.7	-0.2	-2.2	522.0

1119	0.16466	_G2	Combination	-0.7	-75.5	16.7	-0.2	-4.9	534.5
1120	0	_G2	Combination	9.7	-79.2	-10.4	0.0	-5.4	534.5
1120	0.45647	_G2	Combination	9.7	-79.2	-10.4	0.0	-0.6	570.6
1120	0.91294	_G2	Combination	9.7	-79.2	-10.4	0.0	4.1	606.8
1121	0	_G2	Combination	4.4	-66.2	-3.9	0.0	-1.3	608.1
1121	0.3592	_G2	Combination	4.4	-66.2	-3.9	0.0	0.1	631.9
1121	0.7184	_G2	Combination	4.4	-66.2	-3.9	0.0	1.5	655.7
1121	1.07761	_G2	Combination	4.4	-66.2	-3.9	0.0	2.9	679.5
1122	0	_G2	Combination	1.8	-52.9	1.9	0.0	2.0	678.7
1122	0.47839	_G2	Combination	1.8	-52.9	1.9	0.0	1.1	704.0
1122	0.95678	_G2	Combination	1.8	-52.9	1.9	0.0	0.2	729.3
1123	0	_G2	Combination	1.8	-52.9	1.9	0.1	0.2	729.2
1123	0.12083	_G2	Combination	1.8	-52.9	1.9	0.1	-0.1	735.6
1124	0	_G2	Combination	2.4	-40.0	7.8	-0.1	5.0	731.9
1124	0.3592	_G2	Combination	2.4	-40.0	7.8	-0.1	2.2	746.3
1124	0.7184	_G2	Combination	2.4	-40.0	7.8	-0.1	-0.6	760.7
1124	1.0776	_G2	Combination	2.4	-40.0	7.8	-0.1	-3.4	775.1
1125	0	_G2	Combination	4.2	-27.9	15.0	-0.1	4.5	770.1
1125	0.40712	_G2	Combination	4.2	-27.9	15.0	-0.1	-1.6	781.5
1125	0.81425	_G2	Combination	4.2	-27.9	15.0	-0.1	-7.7	792.8
1126	0	_G2	Combination	17.6	-31.1	-18.6	0.0	-7.9	792.8
1126	0.26335	_G2	Combination	17.6	-31.1	-18.6	0.0	-3.0	801.0
1127	0	_G2	Combination	12.5	-19.5	-10.6	0.0	-6.2	802.3
1127	0.3592	_G2	Combination	12.5	-19.5	-10.6	0.0	-2.4	809.3
1127	0.7184	_G2	Combination	12.5	-19.5	-10.6	0.0	1.4	816.3
1127	1.0776	_G2	Combination	12.5	-19.5	-10.6	0.0	5.2	823.3
1128	0	_G2	Combination	6.4	-7.0	-3.4	0.0	-0.5	825.9
1128	0.37968	_G2	Combination	6.4	-7.0	-3.4	0.0	0.8	828.5
1128	0.75936	_G2	Combination	6.4	-7.0	-3.4	0.0	2.1	831.2
1128	1.13904	_G2	Combination	6.4	-7.0	-3.4	0.0	3.4	833.8
1129	0	_G2	Combination	3.6	6.1	3.5	-0.1	3.4	833.2
1129	0.37968	_G2	Combination	3.6	6.1	3.5	-0.1	2.1	830.9
1129	0.75936	_G2	Combination	3.6	6.1	3.5	-0.1	0.8	828.6
1129	1.13904	_G2	Combination	3.6	6.1	3.5	-0.1	-0.5	826.3
1130	0	_G2	Combination	4.1	18.6	10.7	-0.1	5.3	822.7
1130	0.3592	_G2	Combination	4.1	18.6	10.7	-0.1	1.4	816.0

1130	0.7184	_G2	Combination	4.1	18.6	10.7	-0.1	-2.4	809.3
1130	1.0776	_G2	Combination	4.1	18.6	10.7	-0.1	-6.3	802.7
1131	0	_G2	Combination	2.8	30.2	18.9	-0.1	-2.7	800.5
1131	0.26335	_G2	Combination	2.8	30.2	18.9	-0.1	-7.7	792.5
1132	0	_G2	Combination	16.4	26.9	-15.2	0.0	-7.9	792.5
1132	0.40713	_G2	Combination	16.4	26.9	-15.2	0.0	-1.7	781.6
1132	0.81425	_G2	Combination	16.4	26.9	-15.2	0.0	4.5	770.7
1133	0	_G2	Combination	8.8	39.1	-7.9	0.0	-3.5	774.7
1133	0.3592	_G2	Combination	8.8	39.1	-7.9	0.0	-0.6	760.6
1133	0.7184	_G2	Combination	8.8	39.1	-7.9	0.0	2.2	746.6
1133	1.07761	_G2	Combination	8.8	39.1	-7.9	0.0	5.1	732.6
1134	0	_G2	Combination	3.5	52.0	-2.0	-0.2	-0.1	734.9
1134	0.12083	_G2	Combination	3.5	52.0	-2.0	-0.2	0.2	728.6
1135	0	_G2	Combination	3.5	52.0	-2.0	0.0	0.2	729.0
1135	0.47839	_G2	Combination	3.5	52.0	-2.0	0.0	1.1	704.1
1135	0.95677	_G2	Combination	3.5	52.0	-2.0	0.0	2.1	679.2
1136	0	_G2	Combination	1.3	65.3	4.0	0.0	3.0	678.7
1136	0.3592	_G2	Combination	1.3	65.3	4.0	0.0	1.5	655.2
1136	0.7184	_G2	Combination	1.3	65.3	4.0	0.0	0.1	631.8
1136	1.0776	_G2	Combination	1.3	65.3	4.0	0.0	-1.4	608.3
1137	0	_G2	Combination	1.4	78.3	10.9	-0.1	4.3	605.9
1137	0.45647	_G2	Combination	1.4	78.3	10.9	-0.1	-0.6	570.1
1137	0.91294	_G2	Combination	1.4	78.3	10.9	-0.1	-5.6	534.4
1138	0	_G2	Combination	13.0	74.4	-17.6	0.1	-5.4	534.5
1138	0.16466	_G2	Combination	13.0	74.4	-17.6	0.1	-2.5	522.2
1139	0	_G2	Combination	7.8	86.9	-9.8	0.0	-5.6	524.1
1139	0.3592	_G2	Combination	7.8	86.9	-9.8	0.0	-2.1	492.9
1139	0.7184	_G2	Combination	7.8	86.9	-9.8	0.0	1.5	461.7
1139	1.0776	_G2	Combination	7.8	86.9	-9.8	0.0	5.0	430.4
1140	0	_G2	Combination	1.5	100.6	-3.9	0.0	-1.3	433.8
1140	0.3592	_G2	Combination	1.5	100.6	-3.9	0.0	0.1	397.6
1140	0.7184	_G2	Combination	1.5	100.6	-3.9	0.0	1.5	361.5
1140	1.0776	_G2	Combination	1.5	100.6	-3.9	0.0	3.0	325.4
1141	0	_G2	Combination	-2.0	115.0	0.9	0.0	1.3	326.8
1141	0.3592	_G2	Combination	-2.0	115.0	0.9	0.0	1.0	285.5
1141	0.7184	_G2	Combination	-2.0	115.0	0.9	0.0	0.7	244.3

1141	1.0776	_G2	Combination	-2.0	115.0	0.9	0.0	0.4	203.0
1142	0	_G2	Combination	-3.5	129.6	5.5	0.0	3.4	202.9
1142	0.3592	_G2	Combination	-3.5	129.6	5.5	0.0	1.4	156.4
1142	0.7184	_G2	Combination	-3.5	129.6	5.5	0.0	-0.5	109.8
1142	1.0776	_G2	Combination	-3.5	129.6	5.5	0.0	-2.5	63.2
1143	0	_G2	Combination	-4.3	144.3	10.7	-0.1	2.7	62.8
1143	0.48492	_G2	Combination	-4.3	144.3	10.7	-0.1	-2.5	-7.2
1144	0	_G2	Combination	-1.0	-126.8	2.0	0.0	0.1	-4.5
1144	0.48492	_G2	Combination	-1.0	-126.8	2.0	0.0	-0.8	57.0
1145	0	_G2	Combination	1.0	-117.3	1.0	0.0	0.5	56.4
1145	0.3592	_G2	Combination	1.0	-117.3	1.0	0.0	0.1	98.5
1145	0.7184	_G2	Combination	1.0	-117.3	1.0	0.0	-0.2	140.7
1145	1.0776	_G2	Combination	1.0	-117.3	1.0	0.0	-0.6	182.8
1146	0	_G2	Combination	1.8	-107.9	0.8	0.0	0.4	183.1
1146	0.3592	_G2	Combination	1.8	-107.9	0.8	0.0	0.1	221.9
1146	0.7184	_G2	Combination	1.8	-107.9	0.8	0.0	-0.2	260.6
1146	1.0776	_G2	Combination	1.8	-107.9	0.8	0.0	-0.4	299.4
1147	0	_G2	Combination	0.4	-98.3	1.2	0.0	0.7	301.3
1147	0.3592	_G2	Combination	0.4	-98.3	1.2	0.0	0.2	336.6
1147	0.7184	_G2	Combination	0.4	-98.3	1.2	0.0	-0.2	371.9
1147	1.0776	_G2	Combination	0.4	-98.3	1.2	0.0	-0.6	407.2
1148	0	_G2	Combination	-3.5	-88.1	2.4	0.0	1.4	410.6
1148	0.3592	_G2	Combination	-3.5	-88.1	2.4	0.0	0.5	442.2
1148	0.7184	_G2	Combination	-3.5	-88.1	2.4	0.0	-0.3	473.9
1148	1.0776	_G2	Combination	-3.5	-88.1	2.4	0.0	-1.2	505.5
1149	0	_G2	Combination	-6.2	-77.1	5.1	0.0	0.4	507.3
1149	0.16466	_G2	Combination	-6.2	-77.1	5.1	0.0	-0.4	520.0
1150	0	_G2	Combination	-2.8	-73.3	-2.8	0.0	-1.2	520.0
1150	0.45647	_G2	Combination	-2.8	-73.3	-2.8	0.0	0.1	553.4
1150	0.91294	_G2	Combination	-2.8	-73.3	-2.8	0.0	1.4	586.9
1151	0	_G2	Combination	-0.7	-62.8	-0.8	0.0	-0.3	584.8
1151	0.3592	_G2	Combination	-0.7	-62.8	-0.8	0.0	0.0	607.4
1151	0.7184	_G2	Combination	-0.7	-62.8	-0.8	0.0	0.3	629.9
1151	1.0776	_G2	Combination	-0.7	-62.8	-0.8	0.0	0.5	652.5
1152	0	_G2	Combination	-0.9	-52.5	0.8	0.0	0.5	652.4
1152	0.47839	_G2	Combination	-0.9	-52.5	0.8	0.0	0.1	677.5

1152	0.95677	_G2	Combination	-0.9	-52.5	0.8	0.0	-0.3	702.7
1153	0	_G2	Combination	-0.9	-52.5	0.8	0.0	-0.3	702.7
1153	0.12083	_G2	Combination	-0.9	-52.5	0.8	0.0	-0.4	709.1
1154	0	_G2	Combination	-4.1	-41.9	2.8	0.0	1.7	711.6
1154	0.3592	_G2	Combination	-4.1	-41.9	2.8	0.0	0.7	726.7
1154	0.7184	_G2	Combination	-4.1	-41.9	2.8	0.0	-0.3	741.7
1154	1.0776	_G2	Combination	-4.1	-41.9	2.8	0.0	-1.3	756.8
1155	0	_G2	Combination	-9.2	-30.8	5.7	0.0	2.6	760.5
1155	0.40712	_G2	Combination	-9.2	-30.8	5.7	0.0	0.3	773.0
1155	0.81425	_G2	Combination	-9.2	-30.8	5.7	0.0	-2.0	785.6
1156	0	_G2	Combination	-3.9	-27.7	-7.6	-0.2	-2.5	785.5
1156	0.26335	_G2	Combination	-3.9	-27.7	-7.6	-0.2	-0.4	792.8
1157	0	_G2	Combination	-3.6	-16.2	-3.9	0.0	-2.0	791.1
1157	0.3592	_G2	Combination	-3.6	-16.2	-3.9	0.0	-0.6	796.9
1157	0.7184	_G2	Combination	-3.6	-16.2	-3.9	0.0	0.8	802.8
1157	1.0776	_G2	Combination	-3.6	-16.2	-3.9	0.0	2.2	808.6
1158	0	_G2	Combination	-1.7	-5.3	-1.2	-0.1	-0.5	805.9
1158	0.37968	_G2	Combination	-1.7	-5.3	-1.2	-0.1	0.0	807.9
1158	0.75936	_G2	Combination	-1.7	-5.3	-1.2	-0.1	0.4	809.9
1158	1.13904	_G2	Combination	-1.7	-5.3	-1.2	-0.1	0.8	811.9
1159	0	_G2	Combination	-2.7	5.4	1.1	-0.1	0.8	812.0
1159	0.37968	_G2	Combination	-2.7	5.4	1.1	-0.1	0.4	810.0
1159	0.75936	_G2	Combination	-2.7	5.4	1.1	-0.1	0.0	807.9
1159	1.13904	_G2	Combination	-2.7	5.4	1.1	-0.1	-0.5	805.8
1160	0	_G2	Combination	-6.8	16.4	3.8	-0.1	2.2	808.7
1160	0.3592	_G2	Combination	-6.8	16.4	3.8	-0.1	0.8	802.8
1160	0.7184	_G2	Combination	-6.8	16.4	3.8	-0.1	-0.6	796.9
1160	1.0776	_G2	Combination	-6.8	16.4	3.8	-0.1	-1.9	791.0
1161	0	_G2	Combination	-10.2	28.0	7.5	0.1	0.2	792.6
1161	0.26335	_G2	Combination	-10.2	28.0	7.5	0.1	-1.8	785.2
1162	0	_G2	Combination	-5.0	31.1	-5.6	-0.1	-2.2	785.2
1162	0.40712	_G2	Combination	-5.0	31.1	-5.6	-0.1	0.1	772.5
1162	0.81425	_G2	Combination	-5.0	31.1	-5.6	-0.1	2.4	759.9
1163	0	_G2	Combination	-2.1	42.2	-2.7	0.0	-1.2	756.1
1163	0.3592	_G2	Combination	-2.1	42.2	-2.7	0.0	-0.3	740.9
1163	0.7184	_G2	Combination	-2.1	42.2	-2.7	0.0	0.7	725.7

1163	1.0776	_G2	Combination	-2.1	42.2	-2.7	0.0	1.7	710.6
1164	0	_G2	Combination	-0.4	52.7	-0.8	-0.1	-0.3	708.2
1164	0.12083	_G2	Combination	-0.4	52.7	-0.8	-0.1	-0.2	701.9
1165	0	_G2	Combination	-0.4	52.7	-0.8	0.0	-0.2	701.8
1165	0.47839	_G2	Combination	-0.4	52.7	-0.8	0.0	0.1	676.6
1165	0.95677	_G2	Combination	-0.4	52.7	-0.8	0.0	0.5	651.4
1166	0	_G2	Combination	-1.6	63.0	0.8	0.0	0.5	651.9
1166	0.3592	_G2	Combination	-1.6	63.0	0.8	0.0	0.2	629.3
1166	0.7184	_G2	Combination	-1.6	63.0	0.8	0.0	-0.1	606.6
1166	1.0776	_G2	Combination	-1.6	63.0	0.8	0.0	-0.3	584.0
1167	0	_G2	Combination	-5.3	73.5	2.6	0.0	1.4	586.4
1167	0.45647	_G2	Combination	-5.3	73.5	2.6	0.0	0.2	552.9
1167	0.91294	_G2	Combination	-5.3	73.5	2.6	0.0	-1.0	519.3
1168	0	_G2	Combination	-2.7	77.6	-4.5	-0.1	-0.8	519.2
1168	0.16466	_G2	Combination	-2.7	77.6	-4.5	-0.1	-0.1	506.4
1169	0	_G2	Combination	-1.8	88.6	-2.0	0.0	-1.0	504.6
1169	0.3592	_G2	Combination	-1.8	88.6	-2.0	0.0	-0.3	472.8
1169	0.7184	_G2	Combination	-1.8	88.6	-2.0	0.0	0.5	441.0
1169	1.0776	_G2	Combination	-1.8	88.6	-2.0	0.0	1.2	409.1
1170	0	_G2	Combination	1.4	98.6	-1.0	0.0	-0.5	406.0
1170	0.3592	_G2	Combination	1.4	98.6	-1.0	0.0	-0.2	370.5
1170	0.7184	_G2	Combination	1.4	98.6	-1.0	0.0	0.2	335.1
1170	1.0776	_G2	Combination	1.4	98.6	-1.0	0.0	0.5	299.7
1171	0	_G2	Combination	2.7	108.1	-0.8	0.0	-0.5	298.5
1171	0.3592	_G2	Combination	2.7	108.1	-0.8	0.0	-0.2	259.7
1171	0.7184	_G2	Combination	2.7	108.1	-0.8	0.0	0.1	220.8
1171	1.0776	_G2	Combination	2.7	108.1	-0.8	0.0	0.4	182.0
1172	0	_G2	Combination	2.1	117.3	-1.4	0.0	-0.8	182.5
1172	0.3592	_G2	Combination	2.1	117.3	-1.4	0.0	-0.3	140.4
1172	0.7184	_G2	Combination	2.1	117.3	-1.4	0.0	0.2	98.2
1172	1.0776	_G2	Combination	2.1	117.3	-1.4	0.0	0.7	56.1
1173	0	_G2	Combination	0.8	126.8	-2.8	0.0	-0.9	57.2
1173	0.48492	_G2	Combination	0.8	126.8	-2.8	0.0	0.5	-4.3
1174	0	_G2	Combination	0.9	-126.8	-3.0	0.0	-0.5	-4.3
1174	0.48492	_G2	Combination	0.9	-126.8	-3.0	0.0	1.0	57.2
1175	0	_G2	Combination	2.2	-117.4	-1.5	0.0	-0.7	56.1

1175	0.3592	_G2	Combination	2.2	-117.4	-1.5	0.0	-0.2	98.3
1175	0.7184	_G2	Combination	2.2	-117.4	-1.5	0.0	0.3	140.4
1175	1.0776	_G2	Combination	2.2	-117.4	-1.5	0.0	0.9	182.6
1176	0	_G2	Combination	2.9	-108.2	-0.8	0.0	-0.4	182.1
1176	0.3592	_G2	Combination	2.9	-108.2	-0.8	0.0	-0.1	220.9
1176	0.7184	_G2	Combination	2.9	-108.2	-0.8	0.0	0.2	259.8
1176	1.0776	_G2	Combination	2.9	-108.2	-0.8	0.0	0.5	298.7
1177	0	_G2	Combination	1.5	-98.8	-0.9	0.0	-0.5	299.9
1177	0.3592	_G2	Combination	1.5	-98.8	-0.9	0.0	-0.2	335.4
1177	0.7184	_G2	Combination	1.5	-98.8	-0.9	0.0	0.1	370.9
1177	1.0776	_G2	Combination	1.5	-98.8	-0.9	0.0	0.5	406.3
1178	0	_G2	Combination	-1.9	-88.8	-1.9	0.0	-1.1	409.6
1178	0.3592	_G2	Combination	-1.9	-88.8	-1.9	0.0	-0.5	441.5
1178	0.7184	_G2	Combination	-1.9	-88.8	-1.9	0.0	0.2	473.4
1178	1.0776	_G2	Combination	-1.9	-88.8	-1.9	0.0	0.9	505.3
1179	0	_G2	Combination	-2.9	-77.8	-4.3	-0.1	0.0	507.2
1179	0.16466	_G2	Combination	-2.9	-77.8	-4.3	-0.1	0.7	520.0
1180	0	_G2	Combination	-5.4	-73.6	2.4	0.0	0.9	520.1
1180	0.45647	_G2	Combination	-5.4	-73.6	2.4	0.0	-0.2	553.7
1180	0.91294	_G2	Combination	-5.4	-73.6	2.4	0.0	-1.3	587.3
1181	0	_G2	Combination	-1.5	-63.1	0.7	0.0	0.3	584.7
1181	0.3592	_G2	Combination	-1.5	-63.1	0.7	0.0	0.0	607.4
1181	0.7184	_G2	Combination	-1.5	-63.1	0.7	0.0	-0.2	630.0
1181	1.0776	_G2	Combination	-1.5	-63.1	0.7	0.0	-0.5	652.7
1182	0	_G2	Combination	-0.3	-52.8	-0.7	0.0	-0.5	652.1
1182	0.47839	_G2	Combination	-0.3	-52.8	-0.7	0.0	-0.1	677.4
1182	0.95677	_G2	Combination	-0.3	-52.8	-0.7	0.0	0.2	702.7
1183	0	_G2	Combination	-0.3	-52.8	-0.7	-0.1	0.2	702.7
1183	0.12083	_G2	Combination	-0.3	-52.8	-0.7	-0.1	0.3	709.1
1184	0	_G2	Combination	-2.2	-42.3	-2.6	0.0	-1.6	711.5
1184	0.3592	_G2	Combination	-2.2	-42.3	-2.6	0.0	-0.7	726.7
1184	0.7184	_G2	Combination	-2.2	-42.3	-2.6	0.0	0.3	741.9
1184	1.0776	_G2	Combination	-2.2	-42.3	-2.6	0.0	1.2	757.1
1185	0	_G2	Combination	-5.2	-31.2	-5.4	-0.1	-2.3	761.0
1185	0.40712	_G2	Combination	-5.2	-31.2	-5.4	-0.1	-0.1	773.7
1185	0.81425	_G2	Combination	-5.2	-31.2	-5.4	-0.1	2.1	786.4

1186	0	_G2	Combination	-10.3	-28.0	7.3	0.1	1.7	786.5
1186	0.26335	_G2	Combination	-10.3	-28.0	7.3	0.1	-0.2	793.9
1187	0	_G2	Combination	-6.9	-16.4	3.7	-0.1	1.8	792.2
1187	0.3592	_G2	Combination	-6.9	-16.4	3.7	-0.1	0.5	798.1
1187	0.7184	_G2	Combination	-6.9	-16.4	3.7	-0.1	-0.8	804.0
1187	1.0776	_G2	Combination	-6.9	-16.4	3.7	-0.1	-2.1	809.9
1188	0	_G2	Combination	-2.7	-5.4	1.1	-0.1	0.5	807.0
1188	0.37968	_G2	Combination	-2.7	-5.4	1.1	-0.1	0.0	809.0
1188	0.75936	_G2	Combination	-2.7	-5.4	1.1	-0.1	-0.4	811.1
1188	1.13904	_G2	Combination	-2.7	-5.4	1.1	-0.1	-0.8	813.2
1189	0	_G2	Combination	-1.7	5.3	-1.1	-0.1	-0.8	813.0
1189	0.37968	_G2	Combination	-1.7	5.3	-1.1	-0.1	-0.4	811.0
1189	0.75936	_G2	Combination	-1.7	5.3	-1.1	-0.1	0.0	809.0
1189	1.13904	_G2	Combination	-1.7	5.3	-1.1	-0.1	0.5	807.0
1190	0	_G2	Combination	-3.8	16.2	-3.7	0.0	-2.1	809.8
1190	0.3592	_G2	Combination	-3.8	16.2	-3.7	0.0	-0.8	804.0
1190	0.7184	_G2	Combination	-3.8	16.2	-3.7	0.0	0.6	798.1
1190	1.0776	_G2	Combination	-3.8	16.2	-3.7	0.0	1.9	792.3
1191	0	_G2	Combination	-4.2	27.7	-7.4	-0.2	0.4	794.1
1191	0.26335	_G2	Combination	-4.2	27.7	-7.4	-0.2	2.4	786.8
1192	0	_G2	Combination	-9.3	30.9	5.5	0.0	1.9	786.8
1192	0.40712	_G2	Combination	-9.3	30.9	5.5	0.0	-0.3	774.3
1192	0.81425	_G2	Combination	-9.3	30.9	5.5	0.0	-2.6	761.7
1193	0	_G2	Combination	-4.1	42.0	2.7	0.0	1.2	757.8
1193	0.3592	_G2	Combination	-4.1	42.0	2.7	0.0	0.3	742.8
1193	0.7184	_G2	Combination	-4.1	42.0	2.7	0.0	-0.7	727.7
1193	1.0776	_G2	Combination	-4.1	42.0	2.7	0.0	-1.6	712.6
1194	0	_G2	Combination	-0.8	52.6	0.8	0.0	0.4	710.0
1194	0.12083	_G2	Combination	-0.8	52.6	0.8	0.0	0.3	703.6
1195	0	_G2	Combination	-0.8	52.6	0.8	0.0	0.3	703.6
1195	0.47839	_G2	Combination	-0.8	52.6	0.8	0.0	-0.1	678.4
1195	0.95677	_G2	Combination	-0.8	52.6	0.8	0.0	-0.5	653.2
1196	0	_G2	Combination	-0.8	62.8	-0.8	0.0	-0.5	653.3
1196	0.3592	_G2	Combination	-0.8	62.8	-0.8	0.0	-0.2	630.7
1196	0.7184	_G2	Combination	-0.8	62.8	-0.8	0.0	0.0	608.2
1196	1.0776	_G2	Combination	-0.8	62.8	-0.8	0.0	0.3	585.6

1197	0	_G2	Combination	-3.0	73.4	-2.7	0.0	-1.3	587.7
1197	0.45647	_G2	Combination	-3.0	73.4	-2.7	0.0	-0.1	554.2
1197	0.91294	_G2	Combination	-3.0	73.4	-2.7	0.0	1.2	520.7
1198	0	_G2	Combination	-6.1	77.3	4.8	0.0	0.3	520.7
1198	0.16466	_G2	Combination	-6.1	77.3	4.8	0.0	-0.5	508.0
1199	0	_G2	Combination	-3.4	88.3	2.3	0.0	1.1	506.2
1199	0.3592	_G2	Combination	-3.4	88.3	2.3	0.0	0.3	474.5
1199	0.7184	_G2	Combination	-3.4	88.3	2.3	0.0	-0.5	442.8
1199	1.0776	_G2	Combination	-3.4	88.3	2.3	0.0	-1.3	411.1
1200	0	_G2	Combination	0.5	98.4	1.1	0.0	0.6	407.6
1200	0.3592	_G2	Combination	0.5	98.4	1.1	0.0	0.2	372.2
1200	0.7184	_G2	Combination	0.5	98.4	1.1	0.0	-0.2	336.9
1200	1.0776	_G2	Combination	0.5	98.4	1.1	0.0	-0.6	301.5
1201	0	_G2	Combination	1.9	108.0	0.8	0.0	0.5	299.6
1201	0.3592	_G2	Combination	1.9	108.0	0.8	0.0	0.2	260.8
1201	0.7184	_G2	Combination	1.9	108.0	0.8	0.0	-0.1	222.0
1201	1.0776	_G2	Combination	1.9	108.0	0.8	0.0	-0.4	183.2
1202	0	_G2	Combination	1.0	117.4	1.1	0.0	0.6	182.9
1202	0.3592	_G2	Combination	1.0	117.4	1.1	0.0	0.2	140.7
1202	0.7184	_G2	Combination	1.0	117.4	1.1	0.0	-0.2	98.6
1202	1.0776	_G2	Combination	1.0	117.4	1.1	0.0	-0.6	56.4
1203	0	_G2	Combination	-1.1	126.9	2.2	0.0	0.9	57.1
1203	0.48492	_G2	Combination	-1.1	126.9	2.2	0.0	-0.2	-4.5
1204	0	_G2	Combination	-4.4	-144.8	11.1	-0.1	2.6	-7.3
1204	0.48492	_G2	Combination	-4.4	-144.8	11.1	-0.1	-2.8	62.9
1205	0	_G2	Combination	-3.6	-130.1	5.7	0.0	2.6	63.4
1205	0.3592	_G2	Combination	-3.6	-130.1	5.7	0.0	0.6	110.1
1205	0.7184	_G2	Combination	-3.6	-130.1	5.7	0.0	-1.5	156.8
1205	1.0776	_G2	Combination	-3.6	-130.1	5.7	0.0	-3.5	203.6
1206	0	_G2	Combination	-2.1	-115.3	0.9	0.0	-0.4	203.6
1206	0.3592	_G2	Combination	-2.1	-115.3	0.9	0.0	-0.7	245.0
1206	0.7184	_G2	Combination	-2.1	-115.3	0.9	0.0	-1.0	286.5
1206	1.0776	_G2	Combination	-2.1	-115.3	0.9	0.0	-1.4	327.9
1207	0	_G2	Combination	1.5	-100.9	-4.0	0.0	-3.0	326.4
1207	0.3592	_G2	Combination	1.5	-100.9	-4.0	0.0	-1.6	362.6
1207	0.7184	_G2	Combination	1.5	-100.9	-4.0	0.0	-0.1	398.9

1207	1.0776	_G2	Combination	1.5	-100.9	-4.0	0.0	1.3	435.1
1208	0	_G2	Combination	7.9	-87.2	-10.1	0.0	-5.1	431.7
1208	0.3592	_G2	Combination	7.9	-87.2	-10.1	0.0	-1.5	463.0
1208	0.7184	_G2	Combination	7.9	-87.2	-10.1	0.0	2.1	494.3
1208	1.0776	_G2	Combination	7.9	-87.2	-10.1	0.0	5.7	525.7
1209	0	_G2	Combination	13.2	-74.6	-18.0	0.1	2.5	523.7
1209	0.16466	_G2	Combination	13.2	-74.6	-18.0	0.1	5.5	536.0
1210	0	_G2	Combination	1.3	-78.6	11.1	-0.1	5.7	535.9
1210	0.45647	_G2	Combination	1.3	-78.6	11.1	-0.1	0.6	571.8
1210	0.91294	_G2	Combination	1.3	-78.6	11.1	-0.1	-4.4	607.6
1211	0	_G2	Combination	1.3	-65.5	4.1	0.0	1.4	610.1
1211	0.3592	_G2	Combination	1.3	-65.5	4.1	0.0	-0.1	633.6
1211	0.7184	_G2	Combination	1.3	-65.5	4.1	0.0	-1.6	657.2
1211	1.07761	_G2	Combination	1.3	-65.5	4.1	0.0	-3.1	680.7
1212	0	_G2	Combination	3.5	-52.1	-2.0	0.0	-2.1	681.3
1212	0.47839	_G2	Combination	3.5	-52.1	-2.0	0.0	-1.1	706.2
1212	0.95678	_G2	Combination	3.5	-52.1	-2.0	0.0	-0.2	731.1
1213	0	_G2	Combination	3.5	-52.1	-2.0	-0.2	-0.2	730.8
1213	0.12083	_G2	Combination	3.5	-52.1	-2.0	-0.2	0.1	737.1
1214	0	_G2	Combination	8.9	-39.2	-8.1	0.0	-5.2	734.7
1214	0.3592	_G2	Combination	8.9	-39.2	-8.1	0.0	-2.3	748.8
1214	0.7184	_G2	Combination	8.9	-39.2	-8.1	0.0	0.6	762.9
1214	1.0776	_G2	Combination	8.9	-39.2	-8.1	0.0	3.5	776.9
1215	0	_G2	Combination	16.6	-26.9	-15.5	0.0	-4.6	772.8
1215	0.40712	_G2	Combination	16.6	-26.9	-15.5	0.0	1.8	783.8
1215	0.81425	_G2	Combination	16.6	-26.9	-15.5	0.0	8.1	794.8
1216	0	_G2	Combination	2.8	-30.3	19.3	-0.1	7.9	794.8
1216	0.26335	_G2	Combination	2.8	-30.3	19.3	-0.1	2.8	802.7
1217	0	_G2	Combination	4.0	-18.6	10.9	-0.1	6.4	804.9
1217	0.3592	_G2	Combination	4.0	-18.6	10.9	-0.1	2.5	811.6
1217	0.7184	_G2	Combination	4.0	-18.6	10.9	-0.1	-1.5	818.3
1217	1.0776	_G2	Combination	4.0	-18.6	10.9	-0.1	-5.4	825.0
1218	0	_G2	Combination	3.6	-6.1	3.5	-0.1	0.5	828.7
1218	0.37968	_G2	Combination	3.6	-6.1	3.5	-0.1	-0.8	831.0
1218	0.75936	_G2	Combination	3.6	-6.1	3.5	-0.1	-2.1	833.3
1218	1.13904	_G2	Combination	3.6	-6.1	3.5	-0.1	-3.5	835.6

1219	0	_G2	Combination	6.4	7.0	-3.5	0.0	-3.4	836.2
1219	0.37968	_G2	Combination	6.4	7.0	-3.5	0.0	-2.1	833.6
1219	0.75936	_G2	Combination	6.4	7.0	-3.5	0.0	-0.8	830.9
1219	1.13904	_G2	Combination	6.4	7.0	-3.5	0.0	0.5	828.2
1220	0	_G2	Combination	12.6	19.6	-10.8	0.0	-5.3	825.7
1220	0.3592	_G2	Combination	12.6	19.6	-10.8	0.0	-1.4	818.6
1220	0.7184	_G2	Combination	12.6	19.6	-10.8	0.0	2.4	811.6
1220	1.0776	_G2	Combination	12.6	19.6	-10.8	0.0	6.3	804.5
1221	0	_G2	Combination	17.8	31.3	-19.0	0.0	3.0	803.3
1221	0.26336	_G2	Combination	17.8	31.3	-19.0	0.0	8.0	795.1
1222	0	_G2	Combination	4.2	28.0	15.3	-0.1	7.9	795.0
1222	0.40713	_G2	Combination	4.2	28.0	15.3	-0.1	1.6	783.6
1222	0.81425	_G2	Combination	4.2	28.0	15.3	-0.1	-4.6	772.3
1223	0	_G2	Combination	2.4	40.2	7.9	-0.1	3.5	777.3
1223	0.3592	_G2	Combination	2.4	40.2	7.9	-0.1	0.6	762.9
1223	0.7184	_G2	Combination	2.4	40.2	7.9	-0.1	-2.2	748.4
1223	1.07761	_G2	Combination	2.4	40.2	7.9	-0.1	-5.1	734.0
1224	0	_G2	Combination	1.8	53.1	1.9	0.1	0.1	737.7
1224	0.12083	_G2	Combination	1.8	53.1	1.9	0.1	-0.2	731.3
1225	0	_G2	Combination	1.8	53.1	1.9	0.0	-0.2	731.5
1225	0.47839	_G2	Combination	1.8	53.1	1.9	0.0	-1.1	706.1
1225	0.95677	_G2	Combination	1.8	53.1	1.9	0.0	-2.0	680.7
1226	0	_G2	Combination	4.5	66.5	-4.0	0.0	-3.0	681.5
1226	0.3592	_G2	Combination	4.5	66.5	-4.0	0.0	-1.5	657.6
1226	0.7184	_G2	Combination	4.5	66.5	-4.0	0.0	-0.1	633.7
1226	1.0776	_G2	Combination	4.5	66.5	-4.0	0.0	1.4	609.9
1227	0	_G2	Combination	9.9	79.5	-10.7	0.0	-4.2	608.5
1227	0.45647	_G2	Combination	9.9	79.5	-10.7	0.0	0.7	572.2
1227	0.91294	_G2	Combination	9.9	79.5	-10.7	0.0	5.5	535.9
1228	0	_G2	Combination	-0.8	75.7	17.0	-0.2	5.0	535.9
1228	0.16466	_G2	Combination	-0.8	75.7	17.0	-0.2	2.2	523.5
1229	0	_G2	Combination	0.0	88.3	9.5	0.0	5.4	526.3
1229	0.3592	_G2	Combination	0.0	88.3	9.5	0.0	2.0	494.6
1229	0.7184	_G2	Combination	0.0	88.3	9.5	0.0	-1.4	462.9
1229	1.0776	_G2	Combination	0.0	88.3	9.5	0.0	-4.8	431.2
1230	0	_G2	Combination	-1.5	101.9	3.7	0.0	1.2	435.6

1230	0.3592	_G2	Combination	-1.5	101.9	3.7	0.0	-0.1	399.0
1230	0.7184	_G2	Combination	-1.5	101.9	3.7	0.0	-1.5	362.4
1230	1.0776	_G2	Combination	-1.5	101.9	3.7	0.0	-2.8	325.7
1231	0	_G2	Combination	-1.3	116.3	-0.8	0.0	-1.3	328.5
1231	0.3592	_G2	Combination	-1.3	116.3	-0.8	0.0	-1.0	286.7
1231	0.7184	_G2	Combination	-1.3	116.3	-0.8	0.0	-0.7	244.9
1231	1.0776	_G2	Combination	-1.3	116.3	-0.8	0.0	-0.3	203.2
1232	0	_G2	Combination	0.8	130.9	-5.1	0.0	-3.2	204.3
1232	0.3592	_G2	Combination	0.8	130.9	-5.1	0.0	-1.3	157.2
1232	0.7184	_G2	Combination	0.8	130.9	-5.1	0.0	0.5	110.2
1232	1.0776	_G2	Combination	0.8	130.9	-5.1	0.0	2.4	63.2
1233	0	_G2	Combination	3.9	145.6	-9.9	0.1	-2.5	63.4
1233	0.48492	_G2	Combination	3.9	145.6	-9.9	0.1	2.3	-7.2
1234	0	_G2	Combination	0.8	-126.4	-0.4	0.0	-0.1	-5.6
1234	0.48492	_G2	Combination	0.8	-126.4	-0.4	0.0	0.0	55.7
1235	0	_G2	Combination	-0.4	-116.6	-0.2	0.0	-0.1	57.2
1235	0.3592	_G2	Combination	-0.4	-116.6	-0.2	0.0	0.0	99.0
1235	0.7184	_G2	Combination	-0.4	-116.6	-0.2	0.0	0.0	140.9
1235	1.0776	_G2	Combination	-0.4	-116.6	-0.2	0.0	0.1	182.8
1236	0	_G2	Combination	-1.3	-106.4	0.0	0.0	0.0	184.0
1236	0.3592	_G2	Combination	-1.3	-106.4	0.0	0.0	0.0	222.2
1236	0.7184	_G2	Combination	-1.3	-106.4	0.0	0.0	0.0	260.4
1236	1.0776	_G2	Combination	-1.3	-106.4	0.0	0.0	0.0	298.6
1237	0	_G2	Combination	-1.9	-95.9	0.1	0.0	0.1	299.6
1237	0.3592	_G2	Combination	-1.9	-95.9	0.1	0.0	0.0	334.1
1237	0.7184	_G2	Combination	-1.9	-95.9	0.1	0.0	0.0	368.5
1237	1.0776	_G2	Combination	-1.9	-95.9	0.1	0.0	-0.1	403.0
1238	0	_G2	Combination	-2.5	-85.2	0.3	0.0	0.1	404.0
1238	0.3592	_G2	Combination	-2.5	-85.2	0.3	0.0	0.0	434.6
1238	0.7184	_G2	Combination	-2.5	-85.2	0.3	0.0	-0.1	465.2
1238	1.0776	_G2	Combination	-2.5	-85.2	0.3	0.0	-0.2	495.8
1239	0	_G2	Combination	-3.3	-74.0	0.5	0.0	0.3	496.8
1239	0.16466	_G2	Combination	-3.3	-74.0	0.5	0.0	0.2	509.0
1240	0	_G2	Combination	-2.8	-74.3	-0.3	0.0	-0.2	509.1
1240	0.45647	_G2	Combination	-2.8	-74.3	-0.3	0.0	-0.1	543.0
1240	0.91294	_G2	Combination	-2.8	-74.3	-0.3	0.0	0.1	576.9

1241	0	_G2	Combination	-3.3	-63.3	-0.1	0.0	0.0	577.7
1241	0.3592	_G2	Combination	-3.3	-63.3	-0.1	0.0	0.0	600.4
1241	0.7184	_G2	Combination	-3.3	-63.3	-0.1	0.0	0.0	623.2
1241	1.0776	_G2	Combination	-3.3	-63.3	-0.1	0.0	0.1	645.9
1242	0	_G2	Combination	-4.0	-52.3	0.0	0.0	0.0	646.7
1242	0.47839	_G2	Combination	-4.0	-52.3	0.0	0.0	0.0	671.8
1242	0.95677	_G2	Combination	-4.0	-52.3	0.0	0.0	0.0	696.8
1243	0	_G2	Combination	-4.0	-52.3	0.0	0.0	0.0	697.1
1243	0.12083	_G2	Combination	-4.0	-52.3	0.0	0.0	0.0	703.5
1244	0	_G2	Combination	-5.0	-41.1	0.1	0.0	0.1	704.5
1244	0.3592	_G2	Combination	-5.0	-41.1	0.1	0.0	0.0	719.3
1244	0.7184	_G2	Combination	-5.0	-41.1	0.1	0.0	0.0	734.0
1244	1.0776	_G2	Combination	-5.0	-41.1	0.1	0.0	-0.1	748.8
1245	0	_G2	Combination	-6.3	-29.5	0.2	-0.1	0.2	750.2
1245	0.40712	_G2	Combination	-6.3	-29.5	0.2	-0.1	0.1	762.2
1245	0.81425	_G2	Combination	-6.3	-29.5	0.2	-0.1	0.0	774.2
1246	0	_G2	Combination	-6.1	-29.1	-0.3	-0.1	-0.5	774.2
1246	0.26335	_G2	Combination	-6.1	-29.1	-0.3	-0.1	-0.4	781.9
1247	0	_G2	Combination	-5.9	-17.3	-0.2	-0.1	-0.1	781.8
1247	0.3592	_G2	Combination	-5.9	-17.3	-0.2	-0.1	0.0	788.0
1247	0.7184	_G2	Combination	-5.9	-17.3	-0.2	-0.1	0.0	794.2
1247	1.0776	_G2	Combination	-5.9	-17.3	-0.2	-0.1	0.1	800.4
1248	0	_G2	Combination	-5.5	-5.7	-0.1	-0.1	0.0	800.0
1248	0.37968	_G2	Combination	-5.5	-5.7	-0.1	-0.1	0.0	802.2
1248	0.75936	_G2	Combination	-5.5	-5.7	-0.1	-0.1	0.0	804.4
1248	1.13904	_G2	Combination	-5.5	-5.7	-0.1	-0.1	0.0	806.6
1249	0	_G2	Combination	-5.5	5.7	0.0	-0.1	0.0	806.6
1249	0.37968	_G2	Combination	-5.5	5.7	0.0	-0.1	0.0	804.4
1249	0.75936	_G2	Combination	-5.5	5.7	0.0	-0.1	0.0	802.2
1249	1.13904	_G2	Combination	-5.5	5.7	0.0	-0.1	0.0	800.1
1250	0	_G2	Combination	-6.0	17.3	0.0	-0.1	0.0	800.4
1250	0.3592	_G2	Combination	-6.0	17.3	0.0	-0.1	0.0	794.2
1250	0.7184	_G2	Combination	-6.0	17.3	0.0	-0.1	0.0	788.0
1250	1.0776	_G2	Combination	-6.0	17.3	0.0	-0.1	0.0	781.8
1251	0	_G2	Combination	-6.2	29.1	0.0	0.0	0.4	781.9
1251	0.26335	_G2	Combination	-6.2	29.1	0.0	0.0	0.4	774.2

1252	0	_G2	Combination	-6.2	29.5	0.0	-0.1	-0.1	774.2
1252	0.40712	_G2	Combination	-6.2	29.5	0.0	-0.1	-0.1	762.2
1252	0.81425	_G2	Combination	-6.2	29.5	0.0	-0.1	-0.1	750.2
1253	0	_G2	Combination	-4.9	41.1	0.0	0.0	0.0	748.8
1253	0.3592	_G2	Combination	-4.9	41.1	0.0	0.0	0.0	734.1
1253	0.7184	_G2	Combination	-4.9	41.1	0.0	0.0	0.0	719.3
1253	1.0776	_G2	Combination	-4.9	41.1	0.0	0.0	0.0	704.5
1254	0	_G2	Combination	-4.0	52.3	0.0	0.0	0.0	703.5
1254	0.12083	_G2	Combination	-4.0	52.3	0.0	0.0	0.0	697.2
1255	0	_G2	Combination	-4.0	52.3	0.0	0.0	0.0	696.8
1255	0.47839	_G2	Combination	-4.0	52.3	0.0	0.0	0.0	671.8
1255	0.95677	_G2	Combination	-4.0	52.3	0.0	0.0	0.0	646.7
1256	0	_G2	Combination	-3.4	63.3	0.0	0.0	0.0	645.9
1256	0.3592	_G2	Combination	-3.4	63.3	0.0	0.0	0.0	623.2
1256	0.7184	_G2	Combination	-3.4	63.3	0.0	0.0	0.0	600.4
1256	1.0776	_G2	Combination	-3.4	63.3	0.0	0.0	0.0	577.7
1257	0	_G2	Combination	-2.9	74.3	-0.1	0.0	0.0	577.0
1257	0.45647	_G2	Combination	-2.9	74.3	-0.1	0.0	0.1	543.0
1257	0.91294	_G2	Combination	-2.9	74.3	-0.1	0.0	0.1	509.1
1258	0	_G2	Combination	-3.2	74.0	0.2	0.0	-0.3	509.1
1258	0.16466	_G2	Combination	-3.2	74.0	0.2	0.0	-0.3	496.9
1259	0	_G2	Combination	-2.4	85.2	0.1	0.0	0.1	495.8
1259	0.3592	_G2	Combination	-2.4	85.2	0.1	0.0	0.0	465.2
1259	0.7184	_G2	Combination	-2.4	85.2	0.1	0.0	0.0	434.6
1259	1.0776	_G2	Combination	-2.4	85.2	0.1	0.0	-0.1	404.0
1260	0	_G2	Combination	-1.8	95.9	0.1	0.0	0.0	403.0
1260	0.3592	_G2	Combination	-1.8	95.9	0.1	0.0	0.0	368.5
1260	0.7184	_G2	Combination	-1.8	95.9	0.1	0.0	0.0	334.1
1260	1.0776	_G2	Combination	-1.8	95.9	0.1	0.0	0.0	299.6
1261	0	_G2	Combination	-1.3	106.4	0.0	0.0	0.0	298.6
1261	0.3592	_G2	Combination	-1.3	106.4	0.0	0.0	0.0	260.4
1261	0.7184	_G2	Combination	-1.3	106.4	0.0	0.0	0.0	222.2
1261	1.0776	_G2	Combination	-1.3	106.4	0.0	0.0	0.0	184.0
1262	0	_G2	Combination	-0.4	116.6	-0.1	0.0	0.0	182.8
1262	0.3592	_G2	Combination	-0.4	116.6	-0.1	0.0	0.0	140.9
1262	0.7184	_G2	Combination	-0.4	116.6	-0.1	0.0	0.0	99.0

1262	1.0776	_G2	Combination	-0.4	116.6	-0.1	0.0	0.1	57.2
1263	0	_G2	Combination	0.7	126.4	-0.2	0.0	0.0	55.7
1263	0.48492	_G2	Combination	0.7	126.4	-0.2	0.0	0.1	-5.6

Reazioni vincolari e spostameni – FASE 1A

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

10.1.3 Fase 1B

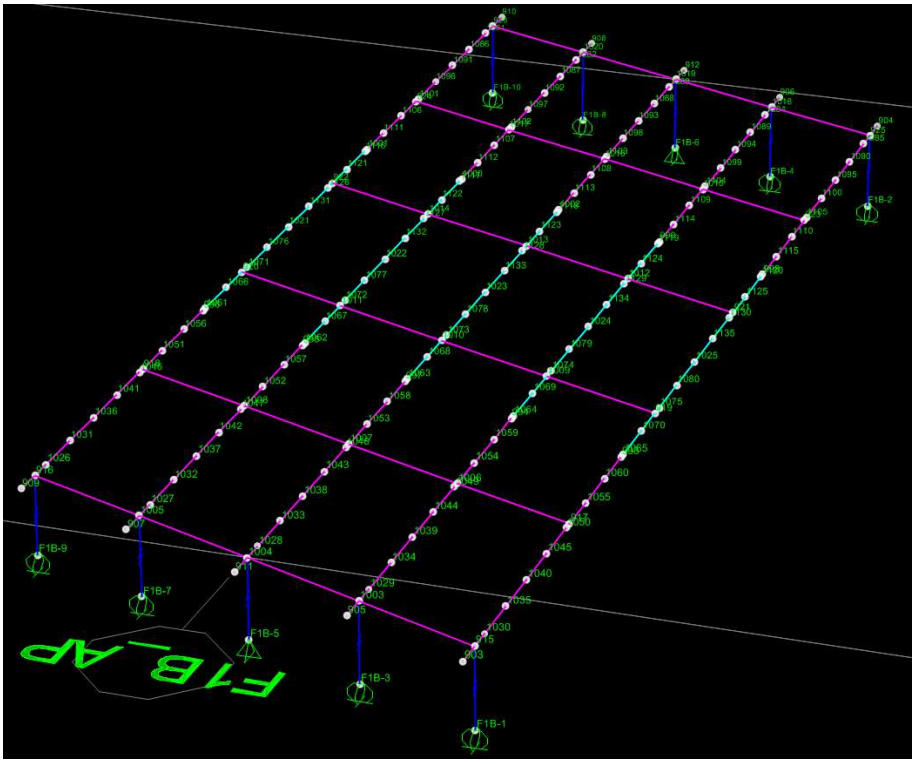


Figura 6 – Numerazione Joints modello FEM – Fase 1B.

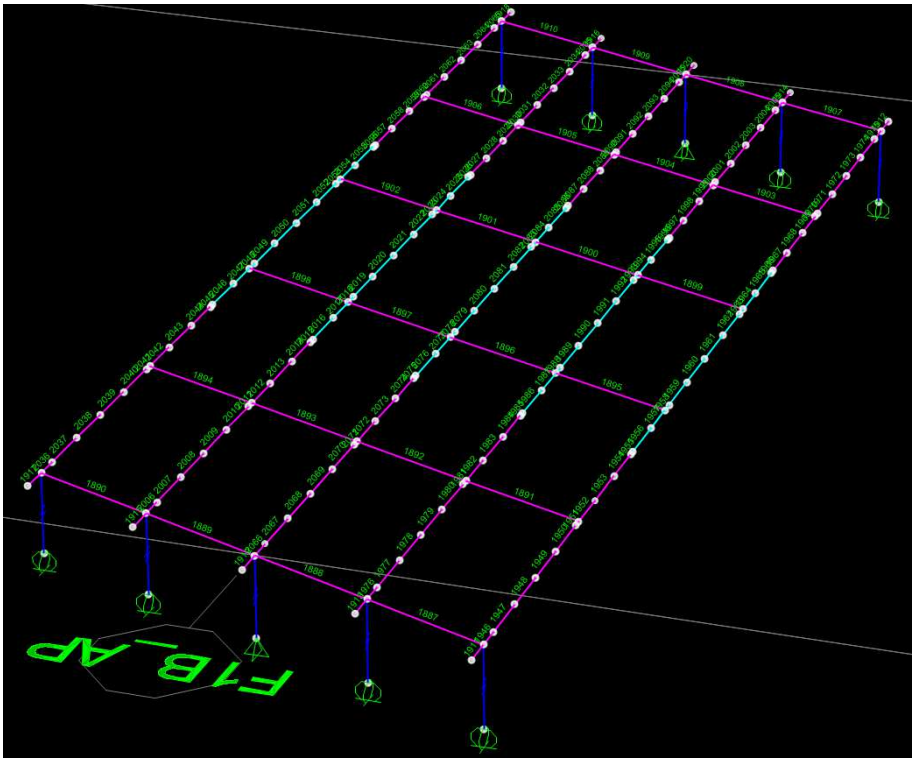


Figura 7 – Numerazione Frames modello FEM – Fase 1B.

Carichi e combinazioni di carico – FASE 1B

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE 1B

TABLE: Element Forces - Frames									
Frame	**Station**	**OutputCase**	**CaseType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
1911	0	_G2	Combination	0.2	10.9	0.8	0.0	-0.9	-0.7
1911	0.29634	_G2	Combination	0.2	10.9	0.8	0.0	-1.2	-4.0
1911	0.59268	_G2	Combination	0.2	10.9	0.8	0.0	-1.4	-7.2
1912	0	_G2	Combination	1.1	-10.9	-1.4	0.0	-1.7	-7.2
1912	0.29634	_G2	Combination	1.1	-10.9	-1.4	0.0	-1.3	-4.0
1912	0.59269	_G2	Combination	1.1	-10.9	-1.4	0.0	-0.9	-0.8
1913	0	_G2	Combination	-0.2	9.7	-1.2	0.0	0.2	1.3
1913	0.29634	_G2	Combination	-0.2	9.7	-1.2	0.0	0.6	-1.6
1913	0.59268	_G2	Combination	-0.2	9.7	-1.2	0.0	0.9	-4.5

1914	0	_G2	Combination	-1.6	-9.6	1.7	0.0	1.1	-4.2
1914	0.29634	_G2	Combination	-1.6	-9.6	1.7	0.0	0.6	-1.4
1914	0.59268	_G2	Combination	-1.6	-9.6	1.7	0.0	0.1	1.4
1915	0	_G2	Combination	-1.6	9.5	1.7	0.0	-0.1	1.5
1915	0.29634	_G2	Combination	-1.6	9.5	1.7	0.0	-0.6	-1.4
1915	0.59268	_G2	Combination	-1.6	9.5	1.7	0.0	-1.2	-4.2
1916	0	_G2	Combination	-0.2	-9.7	-1.2	0.0	-1.0	-4.4
1916	0.29634	_G2	Combination	-0.2	-9.7	-1.2	0.0	-0.6	-1.6
1916	0.59268	_G2	Combination	-0.2	-9.7	-1.2	0.0	-0.2	1.3
1917	0	_G2	Combination	1.2	11.0	-1.5	0.0	0.9	-0.8
1917	0.29634	_G2	Combination	1.2	11.0	-1.5	0.0	1.3	-4.1
1917	0.59268	_G2	Combination	1.2	11.0	-1.5	0.0	1.8	-7.3
1918	0	_G2	Combination	0.2	-10.9	0.9	0.0	1.5	-7.3
1918	0.29634	_G2	Combination	0.2	-10.9	0.9	0.0	1.2	-4.0
1918	0.59269	_G2	Combination	0.2	-10.9	0.9	0.0	1.0	-0.8
1919	0	_G2	Combination	0.5	9.8	0.2	0.0	0.0	0.1
1919	0.29634	_G2	Combination	0.5	9.8	0.2	0.0	0.0	-2.8
1919	0.59268	_G2	Combination	0.5	9.8	0.2	0.0	-0.1	-5.7
1920	0	_G2	Combination	0.5	-9.8	0.1	0.0	0.0	-5.6
1920	0.29634	_G2	Combination	0.5	-9.8	0.1	0.0	0.0	-2.7
1920	0.59268	_G2	Combination	0.5	-9.8	0.1	0.0	-0.1	0.2
1946	0	_G2	Combination	3.8	-144.6	-9.7	0.1	-2.3	-7.2
1946	0.48492	_G2	Combination	3.8	-144.6	-9.7	0.1	2.4	62.9
1947	0	_G2	Combination	0.8	-130.0	-5.1	0.0	-2.3	62.6
1947	0.3592	_G2	Combination	0.8	-130.0	-5.1	0.0	-0.5	109.3
1947	0.7184	_G2	Combination	0.8	-130.0	-5.1	0.0	1.3	156.0
1947	1.0776	_G2	Combination	0.8	-130.0	-5.1	0.0	3.1	202.7
1948	0	_G2	Combination	-1.2	-115.4	-0.9	0.0	0.3	201.6
1948	0.3592	_G2	Combination	-1.2	-115.4	-0.9	0.0	0.6	243.1
1948	0.7184	_G2	Combination	-1.2	-115.4	-0.9	0.0	1.0	284.5

1948	1.0776	_G2	Combination	-1.2	-115.4	-0.9	0.0	1.3	325.9
1949	0	_G2	Combination	-1.5	-101.1	3.6	0.0	2.7	323.3
1949	0.3592	_G2	Combination	-1.5	-101.1	3.6	0.0	1.4	359.6
1949	0.7184	_G2	Combination	-1.5	-101.1	3.6	0.0	0.2	396.0
1949	1.0776	_G2	Combination	-1.5	-101.1	3.6	0.0	-1.1	432.3
1950	0	_G2	Combination	-0.2	-87.6	9.2	0.0	4.7	428.1
1950	0.3592	_G2	Combination	-0.2	-87.6	9.2	0.0	1.4	459.5
1950	0.7184	_G2	Combination	-0.2	-87.6	9.2	0.0	-1.9	491.0
1950	1.0776	_G2	Combination	-0.2	-87.6	9.2	0.0	-5.3	522.4
1951	0	_G2	Combination	-1.1	-75.1	16.7	-0.2	-2.2	519.7
1951	0.16466	_G2	Combination	-1.1	-75.1	16.7	-0.2	-5.0	532.1
1952	0	_G2	Combination	9.5	-78.9	-10.7	0.0	-5.5	532.1
1952	0.45647	_G2	Combination	9.5	-78.9	-10.7	0.0	-0.6	568.1
1952	0.91294	_G2	Combination	9.5	-78.9	-10.7	0.0	4.2	604.2
1953	0	_G2	Combination	4.0	-66.0	-4.1	0.0	-1.4	605.6
1953	0.3592	_G2	Combination	4.0	-66.0	-4.1	0.0	0.1	629.3
1953	0.7184	_G2	Combination	4.0	-66.0	-4.1	0.0	1.5	653.0
1953	1.07761	_G2	Combination	4.0	-66.0	-4.1	0.0	3.0	676.7
1954	0	_G2	Combination	1.3	-52.7	1.8	-0.1	2.0	676.0
1954	0.47839	_G2	Combination	1.3	-52.7	1.8	-0.1	1.1	701.2
1954	0.95678	_G2	Combination	1.3	-52.7	1.8	-0.1	0.2	726.4
1955	0	_G2	Combination	1.3	-52.7	1.8	0.1	0.2	726.3
1955	0.12083	_G2	Combination	1.3	-52.7	1.8	0.1	0.0	732.6
1956	0	_G2	Combination	1.8	-39.9	7.7	-0.1	4.9	729.1
1956	0.3592	_G2	Combination	1.8	-39.9	7.7	-0.1	2.2	743.4
1956	0.7184	_G2	Combination	1.8	-39.9	7.7	-0.1	-0.6	757.8
1956	1.0776	_G2	Combination	1.8	-39.9	7.7	-0.1	-3.4	772.1
1957	0	_G2	Combination	3.4	-27.8	15.0	-0.1	4.5	767.2
1957	0.40712	_G2	Combination	3.4	-27.8	15.0	-0.1	-1.6	778.5
1957	0.81425	_G2	Combination	3.4	-27.8	15.0	-0.1	-7.8	789.8

1958	0	_G2	Combination	16.8	-31.0	-18.8	0.0	-7.9	789.8
1958	0.26335	_G2	Combination	16.8	-31.0	-18.8	0.0	-3.0	798.0
1959	0	_G2	Combination	11.7	-19.5	-10.6	0.0	-6.3	799.3
1959	0.3592	_G2	Combination	11.7	-19.5	-10.6	0.0	-2.4	806.3
1959	0.7184	_G2	Combination	11.7	-19.5	-10.6	0.0	1.4	813.3
1959	1.0776	_G2	Combination	11.7	-19.5	-10.6	0.0	5.2	820.3
1960	0	_G2	Combination	5.6	-7.0	-3.4	-0.1	-0.5	822.8
1960	0.37968	_G2	Combination	5.6	-7.0	-3.4	-0.1	0.8	825.5
1960	0.75936	_G2	Combination	5.6	-7.0	-3.4	-0.1	2.1	828.1
1960	1.13904	_G2	Combination	5.6	-7.0	-3.4	-0.1	3.4	830.7
1961	0	_G2	Combination	2.8	6.1	3.5	-0.1	3.4	830.1
1961	0.37968	_G2	Combination	2.8	6.1	3.5	-0.1	2.1	827.8
1961	0.75936	_G2	Combination	2.8	6.1	3.5	-0.1	0.8	825.5
1961	1.13904	_G2	Combination	2.8	6.1	3.5	-0.1	-0.6	823.2
1962	0	_G2	Combination	3.2	18.5	10.8	-0.1	5.3	819.6
1962	0.3592	_G2	Combination	3.2	18.5	10.8	-0.1	1.4	813.0
1962	0.7184	_G2	Combination	3.2	18.5	10.8	-0.1	-2.4	806.3
1962	1.0776	_G2	Combination	3.2	18.5	10.8	-0.1	-6.3	799.7
1963	0	_G2	Combination	2.0	30.1	19.1	-0.1	-2.7	797.4
1963	0.26335	_G2	Combination	2.0	30.1	19.1	-0.1	-7.8	789.5
1964	0	_G2	Combination	15.6	26.8	-15.2	0.0	-8.0	789.5
1964	0.40713	_G2	Combination	15.6	26.8	-15.2	0.0	-1.8	778.6
1964	0.81425	_G2	Combination	15.6	26.8	-15.2	0.0	4.4	767.8
1965	0	_G2	Combination	8.1	38.9	-7.8	0.0	-3.4	771.7
1965	0.3592	_G2	Combination	8.1	38.9	-7.8	0.0	-0.6	757.7
1965	0.7184	_G2	Combination	8.1	38.9	-7.8	0.0	2.2	743.7
1965	1.07761	_G2	Combination	8.1	38.9	-7.8	0.0	5.0	729.8
1966	0	_G2	Combination	2.9	51.7	-1.9	-0.2	0.0	732.0
1966	0.12083	_G2	Combination	2.9	51.7	-1.9	-0.2	0.2	725.7
1967	0	_G2	Combination	2.9	51.7	-1.9	0.0	0.2	726.0

1967	0.47839	_G2	Combination	2.9	51.7	-1.9	0.0	1.1	701.3
1967	0.95677	_G2	Combination	2.9	51.7	-1.9	0.0	2.0	676.5
1968	0	_G2	Combination	0.8	65.1	4.2	0.0	3.1	675.9
1968	0.3592	_G2	Combination	0.8	65.1	4.2	0.0	1.6	652.5
1968	0.7184	_G2	Combination	0.8	65.1	4.2	0.0	0.1	629.1
1968	1.0776	_G2	Combination	0.8	65.1	4.2	0.0	-1.4	605.8
1969	0	_G2	Combination	1.0	78.0	11.1	-0.1	4.5	603.2
1969	0.45647	_G2	Combination	1.0	78.0	11.1	-0.1	-0.6	567.6
1969	0.91294	_G2	Combination	1.0	78.0	11.1	-0.1	-5.7	532.0
1970	0	_G2	Combination	12.7	74.0	-17.6	0.1	-5.5	532.1
1970	0.16466	_G2	Combination	12.7	74.0	-17.6	0.1	-2.6	519.9
1971	0	_G2	Combination	7.6	86.5	-9.8	0.0	-5.6	521.7
1971	0.3592	_G2	Combination	7.6	86.5	-9.8	0.0	-2.1	490.7
1971	0.7184	_G2	Combination	7.6	86.5	-9.8	0.0	1.4	459.6
1971	1.0776	_G2	Combination	7.6	86.5	-9.8	0.0	5.0	428.5
1972	0	_G2	Combination	1.4	100.1	-3.9	0.0	-1.2	431.8
1972	0.3592	_G2	Combination	1.4	100.1	-3.9	0.0	0.2	395.8
1972	0.7184	_G2	Combination	1.4	100.1	-3.9	0.0	1.6	359.8
1972	1.0776	_G2	Combination	1.4	100.1	-3.9	0.0	3.0	323.9
1973	0	_G2	Combination	-2.1	114.5	0.9	0.0	1.4	325.3
1973	0.3592	_G2	Combination	-2.1	114.5	0.9	0.0	1.1	284.2
1973	0.7184	_G2	Combination	-2.1	114.5	0.9	0.0	0.7	243.1
1973	1.0776	_G2	Combination	-2.1	114.5	0.9	0.0	0.4	202.0
1974	0	_G2	Combination	-3.5	129.1	5.6	0.0	3.5	201.9
1974	0.3592	_G2	Combination	-3.5	129.1	5.6	0.0	1.5	155.6
1974	0.7184	_G2	Combination	-3.5	129.1	5.6	0.0	-0.5	109.2
1974	1.0776	_G2	Combination	-3.5	129.1	5.6	0.0	-2.6	62.8
1975	0	_G2	Combination	-4.3	143.8	10.9	-0.1	2.8	62.4
1975	0.48492	_G2	Combination	-4.3	143.8	10.9	-0.1	-2.5	-7.3
1976	0	_G2	Combination	-1.0	-127.1	1.8	0.0	0.1	-4.4

1976	0.48492	_G2	Combination	-1.0	-127.1	1.8	0.0	-0.8	57.2
1977	0	_G2	Combination	0.9	-117.6	0.9	0.0	0.4	56.8
1977	0.3592	_G2	Combination	0.9	-117.6	0.9	0.0	0.1	99.0
1977	0.7184	_G2	Combination	0.9	-117.6	0.9	0.0	-0.2	141.2
1977	1.0776	_G2	Combination	0.9	-117.6	0.9	0.0	-0.5	183.5
1978	0	_G2	Combination	1.7	-108.1	0.7	0.0	0.3	183.8
1978	0.3592	_G2	Combination	1.7	-108.1	0.7	0.0	0.1	222.7
1978	0.7184	_G2	Combination	1.7	-108.1	0.7	0.0	-0.1	261.5
1978	1.0776	_G2	Combination	1.7	-108.1	0.7	0.0	-0.4	300.3
1979	0	_G2	Combination	0.4	-98.5	1.1	0.0	0.6	302.2
1979	0.3592	_G2	Combination	0.4	-98.5	1.1	0.0	0.2	337.6
1979	0.7184	_G2	Combination	0.4	-98.5	1.1	0.0	-0.2	372.9
1979	1.0776	_G2	Combination	0.4	-98.5	1.1	0.0	-0.6	408.3
1980	0	_G2	Combination	-3.3	-88.3	2.4	0.0	1.4	411.6
1980	0.3592	_G2	Combination	-3.3	-88.3	2.4	0.0	0.5	443.3
1980	0.7184	_G2	Combination	-3.3	-88.3	2.4	0.0	-0.3	475.0
1980	1.0776	_G2	Combination	-3.3	-88.3	2.4	0.0	-1.2	506.8
1981	0	_G2	Combination	-5.9	-77.3	5.2	0.0	0.3	508.4
1981	0.16466	_G2	Combination	-5.9	-77.3	5.2	0.0	-0.5	521.1
1982	0	_G2	Combination	-2.4	-73.5	-3.1	0.0	-1.3	521.1
1982	0.45647	_G2	Combination	-2.4	-73.5	-3.1	0.0	0.1	554.7
1982	0.91294	_G2	Combination	-2.4	-73.5	-3.1	0.0	1.5	588.2
1983	0	_G2	Combination	-0.3	-62.9	-1.0	0.0	-0.4	586.1
1983	0.3592	_G2	Combination	-0.3	-62.9	-1.0	0.0	-0.1	608.7
1983	0.7184	_G2	Combination	-0.3	-62.9	-1.0	0.0	0.3	631.3
1983	1.0776	_G2	Combination	-0.3	-62.9	-1.0	0.0	0.6	653.9
1984	0	_G2	Combination	-0.4	-52.6	0.7	0.0	0.5	653.8
1984	0.47839	_G2	Combination	-0.4	-52.6	0.7	0.0	0.1	678.9
1984	0.95677	_G2	Combination	-0.4	-52.6	0.7	0.0	-0.2	704.1
1985	0	_G2	Combination	-0.4	-52.6	0.7	0.0	-0.2	704.1

1985	0.12083	_G2	Combination	-0.4	-52.6	0.7	0.0	-0.3	710.5
1986	0	_G2	Combination	-3.5	-42.0	2.8	-0.1	1.7	712.8
1986	0.3592	_G2	Combination	-3.5	-42.0	2.8	-0.1	0.7	727.9
1986	0.7184	_G2	Combination	-3.5	-42.0	2.8	-0.1	-0.3	743.0
1986	1.0776	_G2	Combination	-3.5	-42.0	2.8	-0.1	-1.3	758.1
1987	0	_G2	Combination	-8.5	-30.8	5.7	0.0	2.6	761.7
1987	0.40712	_G2	Combination	-8.5	-30.8	5.7	0.0	0.3	774.2
1987	0.81425	_G2	Combination	-8.5	-30.8	5.7	0.0	-2.1	786.8
1988	0	_G2	Combination	-3.1	-27.8	-7.9	-0.2	-2.5	786.7
1988	0.26335	_G2	Combination	-3.1	-27.8	-7.9	-0.2	-0.4	794.0
1989	0	_G2	Combination	-2.8	-16.3	-4.0	-0.1	-2.1	792.3
1989	0.3592	_G2	Combination	-2.8	-16.3	-4.0	-0.1	-0.7	798.2
1989	0.7184	_G2	Combination	-2.8	-16.3	-4.0	-0.1	0.8	804.0
1989	1.0776	_G2	Combination	-2.8	-16.3	-4.0	-0.1	2.2	809.9
1990	0	_G2	Combination	-1.0	-5.3	-1.2	-0.1	-0.5	807.2
1990	0.37968	_G2	Combination	-1.0	-5.3	-1.2	-0.1	-0.1	809.3
1990	0.75936	_G2	Combination	-1.0	-5.3	-1.2	-0.1	0.4	811.3
1990	1.13904	_G2	Combination	-1.0	-5.3	-1.2	-0.1	0.9	813.3
1991	0	_G2	Combination	-2.0	5.4	1.2	-0.1	0.8	813.4
1991	0.37968	_G2	Combination	-2.0	5.4	1.2	-0.1	0.4	811.4
1991	0.75936	_G2	Combination	-2.0	5.4	1.2	-0.1	-0.1	809.3
1991	1.13904	_G2	Combination	-2.0	5.4	1.2	-0.1	-0.5	807.2
1992	0	_G2	Combination	-6.2	16.5	3.9	-0.1	2.2	810.0
1992	0.3592	_G2	Combination	-6.2	16.5	3.9	-0.1	0.8	804.1
1992	0.7184	_G2	Combination	-6.2	16.5	3.9	-0.1	-0.6	798.2
1992	1.0776	_G2	Combination	-6.2	16.5	3.9	-0.1	-2.0	792.3
1993	0	_G2	Combination	-9.6	28.0	7.7	0.0	0.2	793.9
1993	0.26335	_G2	Combination	-9.6	28.0	7.7	0.0	-1.8	786.6
1994	0	_G2	Combination	-4.3	31.1	-5.7	-0.1	-2.3	786.5
1994	0.40712	_G2	Combination	-4.3	31.1	-5.7	-0.1	0.0	773.8

1994	0.81425	_G2	Combination	-4.3	31.1	-5.7	-0.1	2.4	761.1
1995	0	_G2	Combination	-1.6	42.3	-2.7	-0.1	-1.2	757.5
1995	0.3592	_G2	Combination	-1.6	42.3	-2.7	-0.1	-0.3	742.3
1995	0.7184	_G2	Combination	-1.6	42.3	-2.7	-0.1	0.7	727.1
1995	1.0776	_G2	Combination	-1.6	42.3	-2.7	-0.1	1.6	712.0
1996	0	_G2	Combination	0.0	52.8	-0.7	-0.1	-0.3	709.8
1996	0.12083	_G2	Combination	0.0	52.8	-0.7	-0.1	-0.2	703.4
1997	0	_G2	Combination	0.0	52.8	-0.7	0.0	-0.2	703.4
1997	0.47839	_G2	Combination	0.0	52.8	-0.7	0.0	0.1	678.1
1997	0.95677	_G2	Combination	0.0	52.8	-0.7	0.0	0.4	652.8
1998	0	_G2	Combination	-1.4	63.1	0.9	0.0	0.6	653.4
1998	0.3592	_G2	Combination	-1.4	63.1	0.9	0.0	0.3	630.7
1998	0.7184	_G2	Combination	-1.4	63.1	0.9	0.0	-0.1	608.1
1998	1.0776	_G2	Combination	-1.4	63.1	0.9	0.0	-0.4	585.4
1999	0	_G2	Combination	-5.2	73.7	2.8	0.0	1.5	587.9
1999	0.45647	_G2	Combination	-5.2	73.7	2.8	0.0	0.2	554.2
1999	0.91294	_G2	Combination	-5.2	73.7	2.8	0.0	-1.1	520.6
2000	0	_G2	Combination	-2.5	77.8	-4.6	-0.1	-0.9	520.5
2000	0.16466	_G2	Combination	-2.5	77.8	-4.6	-0.1	-0.2	507.7
2001	0	_G2	Combination	-1.7	88.8	-2.0	0.0	-1.0	506.0
2001	0.3592	_G2	Combination	-1.7	88.8	-2.0	0.0	-0.3	474.1
2001	0.7184	_G2	Combination	-1.7	88.8	-2.0	0.0	0.5	442.2
2001	1.0776	_G2	Combination	-1.7	88.8	-2.0	0.0	1.2	410.3
2002	0	_G2	Combination	1.3	98.9	-0.9	0.0	-0.5	407.2
2002	0.3592	_G2	Combination	1.3	98.9	-0.9	0.0	-0.1	371.7
2002	0.7184	_G2	Combination	1.3	98.9	-0.9	0.0	0.2	336.2
2002	1.0776	_G2	Combination	1.3	98.9	-0.9	0.0	0.5	300.7
2003	0	_G2	Combination	2.5	108.3	-0.7	0.0	-0.4	299.5
2003	0.3592	_G2	Combination	2.5	108.3	-0.7	0.0	-0.2	260.6
2003	0.7184	_G2	Combination	2.5	108.3	-0.7	0.0	0.1	221.7

2003	1.0776	_G2	Combination	2.5	108.3	-0.7	0.0	0.3	182.8
2004	0	_G2	Combination	1.9	117.6	-1.3	0.0	-0.7	183.2
2004	0.3592	_G2	Combination	1.9	117.6	-1.3	0.0	-0.3	141.0
2004	0.7184	_G2	Combination	1.9	117.6	-1.3	0.0	0.2	98.7
2004	1.0776	_G2	Combination	1.9	117.6	-1.3	0.0	0.6	56.5
2005	0	_G2	Combination	0.7	127.1	-2.7	0.0	-0.8	57.4
2005	0.48492	_G2	Combination	0.7	127.1	-2.7	0.0	0.5	-4.2
2006	0	_G2	Combination	0.8	-127.1	-3.0	0.0	-0.5	-4.1
2006	0.48492	_G2	Combination	0.8	-127.1	-3.0	0.0	0.9	57.5
2007	0	_G2	Combination	2.0	-117.7	-1.4	0.0	-0.7	56.5
2007	0.3592	_G2	Combination	2.0	-117.7	-1.4	0.0	-0.2	98.8
2007	0.7184	_G2	Combination	2.0	-117.7	-1.4	0.0	0.3	141.0
2007	1.0776	_G2	Combination	2.0	-117.7	-1.4	0.0	0.8	183.3
2008	0	_G2	Combination	2.6	-108.5	-0.7	0.0	-0.3	182.8
2008	0.3592	_G2	Combination	2.6	-108.5	-0.7	0.0	-0.1	221.8
2008	0.7184	_G2	Combination	2.6	-108.5	-0.7	0.0	0.2	260.7
2008	1.0776	_G2	Combination	2.6	-108.5	-0.7	0.0	0.4	299.7
2009	0	_G2	Combination	1.3	-99.0	-0.8	0.0	-0.5	300.9
2009	0.3592	_G2	Combination	1.3	-99.0	-0.8	0.0	-0.2	336.5
2009	0.7184	_G2	Combination	1.3	-99.0	-0.8	0.0	0.1	372.0
2009	1.0776	_G2	Combination	1.3	-99.0	-0.8	0.0	0.4	407.6
2010	0	_G2	Combination	-1.8	-89.0	-1.9	0.0	-1.2	410.7
2010	0.3592	_G2	Combination	-1.8	-89.0	-1.9	0.0	-0.5	442.7
2010	0.7184	_G2	Combination	-1.8	-89.0	-1.9	0.0	0.2	474.7
2010	1.0776	_G2	Combination	-1.8	-89.0	-1.9	0.0	0.9	506.6
2011	0	_G2	Combination	-2.7	-78.0	-4.4	-0.1	0.1	508.4
2011	0.16466	_G2	Combination	-2.7	-78.0	-4.4	-0.1	0.8	521.3
2012	0	_G2	Combination	-5.2	-73.8	2.7	0.0	1.0	521.4
2012	0.45647	_G2	Combination	-5.2	-73.8	2.7	0.0	-0.2	555.0
2012	0.91294	_G2	Combination	-5.2	-73.8	2.7	0.0	-1.4	588.7

2013	0	_G2	Combination	-1.3	-63.2	0.9	0.0	0.4	586.1
2013	0.3592	_G2	Combination	-1.3	-63.2	0.9	0.0	0.1	608.8
2013	0.7184	_G2	Combination	-1.3	-63.2	0.9	0.0	-0.2	631.5
2013	1.0776	_G2	Combination	-1.3	-63.2	0.9	0.0	-0.6	654.2
2014	0	_G2	Combination	0.0	-52.9	-0.6	0.0	-0.4	653.6
2014	0.47839	_G2	Combination	0.0	-52.9	-0.6	0.0	-0.1	678.9
2014	0.95677	_G2	Combination	0.0	-52.9	-0.6	0.0	0.2	704.2
2015	0	_G2	Combination	0.0	-52.9	-0.6	-0.1	0.2	704.2
2015	0.12083	_G2	Combination	0.0	-52.9	-0.6	-0.1	0.3	710.6
2016	0	_G2	Combination	-1.7	-42.4	-2.6	-0.1	-1.6	712.9
2016	0.3592	_G2	Combination	-1.7	-42.4	-2.6	-0.1	-0.7	728.1
2016	0.7184	_G2	Combination	-1.7	-42.4	-2.6	-0.1	0.3	743.3
2016	1.0776	_G2	Combination	-1.7	-42.4	-2.6	-0.1	1.2	758.5
2017	0	_G2	Combination	-4.5	-31.2	-5.5	-0.1	-2.3	762.3
2017	0.40712	_G2	Combination	-4.5	-31.2	-5.5	-0.1	-0.1	775.0
2017	0.81425	_G2	Combination	-4.5	-31.2	-5.5	-0.1	2.1	787.7
2018	0	_G2	Combination	-9.6	-28.0	7.5	0.0	1.7	787.8
2018	0.26335	_G2	Combination	-9.6	-28.0	7.5	0.0	-0.2	795.2
2019	0	_G2	Combination	-6.2	-16.5	3.8	-0.1	1.9	793.5
2019	0.3592	_G2	Combination	-6.2	-16.5	3.8	-0.1	0.6	799.4
2019	0.7184	_G2	Combination	-6.2	-16.5	3.8	-0.1	-0.8	805.3
2019	1.0776	_G2	Combination	-6.2	-16.5	3.8	-0.1	-2.1	811.2
2020	0	_G2	Combination	-2.0	-5.4	1.1	-0.1	0.5	808.3
2020	0.37968	_G2	Combination	-2.0	-5.4	1.1	-0.1	0.0	810.4
2020	0.75936	_G2	Combination	-2.0	-5.4	1.1	-0.1	-0.4	812.5
2020	1.13904	_G2	Combination	-2.0	-5.4	1.1	-0.1	-0.8	814.5
2021	0	_G2	Combination	-1.1	5.3	-1.2	-0.1	-0.8	814.4
2021	0.37968	_G2	Combination	-1.1	5.3	-1.2	-0.1	-0.4	812.4
2021	0.75936	_G2	Combination	-1.1	5.3	-1.2	-0.1	0.0	810.4
2021	1.13904	_G2	Combination	-1.1	5.3	-1.2	-0.1	0.5	808.4

2022	0	_G2	Combination	-3.0	16.3	-3.9	-0.1	-2.1	811.1
2022	0.3592	_G2	Combination	-3.0	16.3	-3.9	-0.1	-0.8	805.2
2022	0.7184	_G2	Combination	-3.0	16.3	-3.9	-0.1	0.6	799.4
2022	1.0776	_G2	Combination	-3.0	16.3	-3.9	-0.1	2.0	793.5
2023	0	_G2	Combination	-3.4	27.8	-7.6	-0.2	0.4	795.3
2023	0.26335	_G2	Combination	-3.4	27.8	-7.6	-0.2	2.4	788.0
2024	0	_G2	Combination	-8.6	30.9	5.5	0.0	2.0	788.0
2024	0.40712	_G2	Combination	-8.6	30.9	5.5	0.0	-0.3	775.5
2024	0.81425	_G2	Combination	-8.6	30.9	5.5	0.0	-2.5	762.9
2025	0	_G2	Combination	-3.5	42.1	2.6	-0.1	1.2	759.2
2025	0.3592	_G2	Combination	-3.5	42.1	2.6	-0.1	0.3	744.0
2025	0.7184	_G2	Combination	-3.5	42.1	2.6	-0.1	-0.7	728.9
2025	1.0776	_G2	Combination	-3.5	42.1	2.6	-0.1	-1.6	713.8
2026	0	_G2	Combination	-0.4	52.7	0.7	0.0	0.3	711.4
2026	0.12083	_G2	Combination	-0.4	52.7	0.7	0.0	0.2	705.0
2027	0	_G2	Combination	-0.4	52.7	0.7	0.0	0.2	705.0
2027	0.47839	_G2	Combination	-0.4	52.7	0.7	0.0	-0.1	679.8
2027	0.95677	_G2	Combination	-0.4	52.7	0.7	0.0	-0.5	654.6
2028	0	_G2	Combination	-0.3	62.9	-0.9	0.0	-0.6	654.7
2028	0.3592	_G2	Combination	-0.3	62.9	-0.9	0.0	-0.3	632.1
2028	0.7184	_G2	Combination	-0.3	62.9	-0.9	0.0	0.1	609.5
2028	1.0776	_G2	Combination	-0.3	62.9	-0.9	0.0	0.4	586.9
2029	0	_G2	Combination	-2.6	73.5	-3.0	0.0	-1.4	589.0
2029	0.45647	_G2	Combination	-2.6	73.5	-3.0	0.0	-0.1	555.4
2029	0.91294	_G2	Combination	-2.6	73.5	-3.0	0.0	1.3	521.9
2030	0	_G2	Combination	-5.9	77.5	5.0	0.0	0.4	521.9
2030	0.16466	_G2	Combination	-5.9	77.5	5.0	0.0	-0.4	509.1
2031	0	_G2	Combination	-3.3	88.5	2.3	0.0	1.1	507.4
2031	0.3592	_G2	Combination	-3.3	88.5	2.3	0.0	0.3	475.7
2031	0.7184	_G2	Combination	-3.3	88.5	2.3	0.0	-0.5	443.9

2031	1.0776	_G2	Combination	-3.3	88.5	2.3	0.0	-1.4	412.1
2032	0	_G2	Combination	0.4	98.6	1.1	0.0	0.5	408.7
2032	0.3592	_G2	Combination	0.4	98.6	1.1	0.0	0.2	373.3
2032	0.7184	_G2	Combination	0.4	98.6	1.1	0.0	-0.2	337.9
2032	1.0776	_G2	Combination	0.4	98.6	1.1	0.0	-0.6	302.4
2033	0	_G2	Combination	1.8	108.2	0.7	0.0	0.4	300.5
2033	0.3592	_G2	Combination	1.8	108.2	0.7	0.0	0.2	261.7
2033	0.7184	_G2	Combination	1.8	108.2	0.7	0.0	-0.1	222.8
2033	1.0776	_G2	Combination	1.8	108.2	0.7	0.0	-0.4	183.9
2034	0	_G2	Combination	0.9	117.6	1.0	0.0	0.6	183.5
2034	0.3592	_G2	Combination	0.9	117.6	1.0	0.0	0.2	141.3
2034	0.7184	_G2	Combination	0.9	117.6	1.0	0.0	-0.1	99.0
2034	1.0776	_G2	Combination	0.9	117.6	1.0	0.0	-0.5	56.8
2035	0	_G2	Combination	-1.1	127.2	2.0	0.0	0.9	57.3
2035	0.48492	_G2	Combination	-1.1	127.2	2.0	0.0	-0.1	-4.4
2036	0	_G2	Combination	-4.5	-144.3	11.2	-0.1	2.6	-7.4
2036	0.48492	_G2	Combination	-4.5	-144.3	11.2	-0.1	-2.8	62.6
2037	0	_G2	Combination	-3.6	-129.6	5.8	0.0	2.6	62.9
2037	0.3592	_G2	Combination	-3.6	-129.6	5.8	0.0	0.6	109.5
2037	0.7184	_G2	Combination	-3.6	-129.6	5.8	0.0	-1.5	156.0
2037	1.0776	_G2	Combination	-3.6	-129.6	5.8	0.0	-3.6	202.6
2038	0	_G2	Combination	-2.1	-114.8	1.0	0.0	-0.4	202.6
2038	0.3592	_G2	Combination	-2.1	-114.8	1.0	0.0	-0.7	243.8
2038	0.7184	_G2	Combination	-2.1	-114.8	1.0	0.0	-1.1	285.1
2038	1.0776	_G2	Combination	-2.1	-114.8	1.0	0.0	-1.4	326.3
2039	0	_G2	Combination	1.4	-100.4	-4.0	0.0	-3.0	324.8
2039	0.3592	_G2	Combination	1.4	-100.4	-4.0	0.0	-1.6	360.9
2039	0.7184	_G2	Combination	1.4	-100.4	-4.0	0.0	-0.2	397.0
2039	1.0776	_G2	Combination	1.4	-100.4	-4.0	0.0	1.2	433.1
2040	0	_G2	Combination	7.7	-86.7	-10.1	0.0	-5.1	429.7

2040	0.3592	_G2	Combination	7.7	-86.7	-10.1	0.0	-1.5	460.9
2040	0.7184	_G2	Combination	7.7	-86.7	-10.1	0.0	2.1	492.1
2040	1.0776	_G2	Combination	7.7	-86.7	-10.1	0.0	5.8	523.2
2041	0	_G2	Combination	12.9	-74.2	-18.1	0.1	2.6	521.4
2041	0.16466	_G2	Combination	12.9	-74.2	-18.1	0.1	5.6	533.6
2042	0	_G2	Combination	0.9	-78.3	11.4	-0.1	5.9	533.4
2042	0.45647	_G2	Combination	0.9	-78.3	11.4	-0.1	0.7	569.2
2042	0.91294	_G2	Combination	0.9	-78.3	11.4	-0.1	-4.5	604.9
2043	0	_G2	Combination	0.8	-65.3	4.3	0.0	1.5	607.5
2043	0.3592	_G2	Combination	0.8	-65.3	4.3	0.0	-0.1	630.9
2043	0.7184	_G2	Combination	0.8	-65.3	4.3	0.0	-1.6	654.4
2043	1.07761	_G2	Combination	0.8	-65.3	4.3	0.0	-3.2	677.8
2044	0	_G2	Combination	2.9	-51.9	-1.9	0.0	-2.1	678.4
2044	0.47839	_G2	Combination	2.9	-51.9	-1.9	0.0	-1.2	703.3
2044	0.95678	_G2	Combination	2.9	-51.9	-1.9	0.0	-0.2	728.1
2045	0	_G2	Combination	2.9	-51.9	-1.9	-0.2	-0.2	727.8
2045	0.12083	_G2	Combination	2.9	-51.9	-1.9	-0.2	0.0	734.1
2046	0	_G2	Combination	8.2	-39.0	-8.0	0.0	-5.1	731.9
2046	0.3592	_G2	Combination	8.2	-39.0	-8.0	0.0	-2.3	745.9
2046	0.7184	_G2	Combination	8.2	-39.0	-8.0	0.0	0.6	759.9
2046	1.0776	_G2	Combination	8.2	-39.0	-8.0	0.0	3.5	773.9
2047	0	_G2	Combination	15.8	-26.8	-15.5	0.0	-4.5	769.9
2047	0.40712	_G2	Combination	15.8	-26.8	-15.5	0.0	1.8	780.8
2047	0.81425	_G2	Combination	15.8	-26.8	-15.5	0.0	8.1	791.7
2048	0	_G2	Combination	1.9	-30.2	19.5	-0.1	7.9	791.7
2048	0.26335	_G2	Combination	1.9	-30.2	19.5	-0.1	2.8	799.6
2049	0	_G2	Combination	3.2	-18.6	11.0	-0.1	6.5	801.9
2049	0.3592	_G2	Combination	3.2	-18.6	11.0	-0.1	2.5	808.6
2049	0.7184	_G2	Combination	3.2	-18.6	11.0	-0.1	-1.5	815.2
2049	1.0776	_G2	Combination	3.2	-18.6	11.0	-0.1	-5.4	821.9

2050	0	_G2	Combination	2.8	-6.1	3.6	-0.1	0.6	825.6
2050	0.37968	_G2	Combination	2.8	-6.1	3.6	-0.1	-0.8	827.9
2050	0.75936	_G2	Combination	2.8	-6.1	3.6	-0.1	-2.2	830.2
2050	1.13904	_G2	Combination	2.8	-6.1	3.6	-0.1	-3.5	832.5
2051	0	_G2	Combination	5.6	7.0	-3.5	-0.1	-3.5	833.1
2051	0.37968	_G2	Combination	5.6	7.0	-3.5	-0.1	-2.1	830.4
2051	0.75936	_G2	Combination	5.6	7.0	-3.5	-0.1	-0.8	827.8
2051	1.13904	_G2	Combination	5.6	7.0	-3.5	-0.1	0.5	825.1
2052	0	_G2	Combination	11.8	19.6	-10.8	0.0	-5.3	822.6
2052	0.3592	_G2	Combination	11.8	19.6	-10.8	0.0	-1.4	815.5
2052	0.7184	_G2	Combination	11.8	19.6	-10.8	0.0	2.5	808.5
2052	1.0776	_G2	Combination	11.8	19.6	-10.8	0.0	6.4	801.5
2053	0	_G2	Combination	17.1	31.2	-19.1	0.0	3.0	800.2
2053	0.26336	_G2	Combination	17.1	31.2	-19.1	0.0	8.1	792.0
2054	0	_G2	Combination	3.4	27.8	15.3	-0.1	7.9	792.0
2054	0.40713	_G2	Combination	3.4	27.8	15.3	-0.1	1.7	780.6
2054	0.81425	_G2	Combination	3.4	27.8	15.3	-0.1	-4.6	769.3
2055	0	_G2	Combination	1.7	40.0	7.9	-0.1	3.4	774.2
2055	0.3592	_G2	Combination	1.7	40.0	7.9	-0.1	0.6	759.9
2055	0.7184	_G2	Combination	1.7	40.0	7.9	-0.1	-2.2	745.5
2055	1.07761	_G2	Combination	1.7	40.0	7.9	-0.1	-5.1	731.1
2056	0	_G2	Combination	1.3	52.9	1.8	0.1	0.0	734.7
2056	0.12083	_G2	Combination	1.3	52.9	1.8	0.1	-0.2	728.3
2057	0	_G2	Combination	1.3	52.9	1.8	-0.1	-0.2	728.5
2057	0.47839	_G2	Combination	1.3	52.9	1.8	-0.1	-1.1	703.2
2057	0.95677	_G2	Combination	1.3	52.9	1.8	-0.1	-2.0	677.9
2058	0	_G2	Combination	4.1	66.2	-4.2	0.0	-3.1	678.6
2058	0.3592	_G2	Combination	4.1	66.2	-4.2	0.0	-1.6	654.8
2058	0.7184	_G2	Combination	4.1	66.2	-4.2	0.0	-0.1	631.0
2058	1.0776	_G2	Combination	4.1	66.2	-4.2	0.0	1.4	607.2

2059	0	_G2	Combination	9.6	79.2	-10.9	0.0	-4.3	605.8
2059	0.45647	_G2	Combination	9.6	79.2	-10.9	0.0	0.7	569.7
2059	0.91294	_G2	Combination	9.6	79.2	-10.9	0.0	5.6	533.5
2060	0	_G2	Combination	-1.2	75.3	17.1	-0.2	5.1	533.5
2060	0.16466	_G2	Combination	-1.2	75.3	17.1	-0.2	2.3	521.1
2061	0	_G2	Combination	-0.2	87.8	9.4	0.0	5.4	523.9
2061	0.3592	_G2	Combination	-0.2	87.8	9.4	0.0	2.0	492.3
2061	0.7184	_G2	Combination	-0.2	87.8	9.4	0.0	-1.4	460.8
2061	1.0776	_G2	Combination	-0.2	87.8	9.4	0.0	-4.8	429.2
2062	0	_G2	Combination	-1.6	101.5	3.6	0.0	1.1	433.5
2062	0.3592	_G2	Combination	-1.6	101.5	3.6	0.0	-0.2	397.1
2062	0.7184	_G2	Combination	-1.6	101.5	3.6	0.0	-1.5	360.7
2062	1.0776	_G2	Combination	-1.6	101.5	3.6	0.0	-2.8	324.2
2063	0	_G2	Combination	-1.3	115.8	-0.9	0.0	-1.3	326.9
2063	0.3592	_G2	Combination	-1.3	115.8	-0.9	0.0	-1.0	285.3
2063	0.7184	_G2	Combination	-1.3	115.8	-0.9	0.0	-0.7	243.8
2063	1.0776	_G2	Combination	-1.3	115.8	-0.9	0.0	-0.3	202.2
2064	0	_G2	Combination	0.9	130.4	-5.2	0.0	-3.2	203.3
2064	0.3592	_G2	Combination	0.9	130.4	-5.2	0.0	-1.4	156.4
2064	0.7184	_G2	Combination	0.9	130.4	-5.2	0.0	0.5	109.6
2064	1.0776	_G2	Combination	0.9	130.4	-5.2	0.0	2.4	62.8
2065	0	_G2	Combination	3.9	145.1	-10.0	0.1	-2.5	63.1
2065	0.48492	_G2	Combination	3.9	145.1	-10.0	0.1	2.4	-7.3
2066	0	_G2	Combination	0.9	-126.9	-0.4	0.0	-0.1	-5.6
2066	0.48492	_G2	Combination	0.9	-126.9	-0.4	0.0	0.0	55.9
2067	0	_G2	Combination	-0.1	-117.0	-0.2	0.0	-0.1	57.2
2067	0.3592	_G2	Combination	-0.1	-117.0	-0.2	0.0	0.0	99.3
2067	0.7184	_G2	Combination	-0.1	-117.0	-0.2	0.0	0.0	141.3
2067	1.0776	_G2	Combination	-0.1	-117.0	-0.2	0.0	0.1	183.4
2068	0	_G2	Combination	-0.9	-106.8	0.0	0.0	0.0	184.5

2068	0.3592	_G2	Combination	-0.9	-106.8	0.0	0.0	0.0	222.9
2068	0.7184	_G2	Combination	-0.9	-106.8	0.0	0.0	0.0	261.3
2068	1.0776	_G2	Combination	-0.9	-106.8	0.0	0.0	0.0	299.6
2069	0	_G2	Combination	-1.5	-96.4	0.1	0.0	0.1	300.7
2069	0.3592	_G2	Combination	-1.5	-96.4	0.1	0.0	0.0	335.3
2069	0.7184	_G2	Combination	-1.5	-96.4	0.1	0.0	0.0	369.9
2069	1.0776	_G2	Combination	-1.5	-96.4	0.1	0.0	-0.1	404.6
2070	0	_G2	Combination	-2.3	-85.6	0.3	0.0	0.2	405.7
2070	0.3592	_G2	Combination	-2.3	-85.6	0.3	0.0	0.0	436.5
2070	0.7184	_G2	Combination	-2.3	-85.6	0.3	0.0	-0.1	467.2
2070	1.0776	_G2	Combination	-2.3	-85.6	0.3	0.0	-0.2	498.0
2071	0	_G2	Combination	-3.2	-74.4	0.5	0.0	0.3	499.1
2071	0.16466	_G2	Combination	-3.2	-74.4	0.5	0.0	0.2	511.4
2072	0	_G2	Combination	-2.6	-74.7	-0.3	0.0	-0.2	511.4
2072	0.45647	_G2	Combination	-2.6	-74.7	-0.3	0.0	-0.1	545.5
2072	0.91294	_G2	Combination	-2.6	-74.7	-0.3	0.0	0.1	579.6
2073	0	_G2	Combination	-3.0	-63.6	-0.1	0.0	0.0	580.2
2073	0.3592	_G2	Combination	-3.0	-63.6	-0.1	0.0	0.0	603.0
2073	0.7184	_G2	Combination	-3.0	-63.6	-0.1	0.0	0.0	625.9
2073	1.0776	_G2	Combination	-3.0	-63.6	-0.1	0.0	0.1	648.7
2074	0	_G2	Combination	-3.7	-52.5	0.0	0.0	0.0	649.5
2074	0.47839	_G2	Combination	-3.7	-52.5	0.0	0.0	0.0	674.6
2074	0.95677	_G2	Combination	-3.7	-52.5	0.0	0.0	0.0	699.7
2075	0	_G2	Combination	-3.7	-52.5	0.0	0.0	0.0	700.1
2075	0.12083	_G2	Combination	-3.7	-52.5	0.0	0.0	0.0	706.4
2076	0	_G2	Combination	-4.7	-41.3	0.1	-0.1	0.1	707.6
2076	0.3592	_G2	Combination	-4.7	-41.3	0.1	-0.1	0.0	722.4
2076	0.7184	_G2	Combination	-4.7	-41.3	0.1	-0.1	0.0	737.2
2076	1.0776	_G2	Combination	-4.7	-41.3	0.1	-0.1	-0.1	752.1
2077	0	_G2	Combination	-6.1	-29.7	0.2	-0.1	0.2	753.6

2077	0.40712	_G2	Combination	-6.1	-29.7	0.2	-0.1	0.1	765.6
2077	0.81425	_G2	Combination	-6.1	-29.7	0.2	-0.1	0.0	777.7
2078	0	_G2	Combination	-5.9	-29.3	-0.3	-0.1	-0.5	777.7
2078	0.26335	_G2	Combination	-5.9	-29.3	-0.3	-0.1	-0.4	785.4
2079	0	_G2	Combination	-5.7	-17.3	-0.2	-0.1	-0.1	785.3
2079	0.3592	_G2	Combination	-5.7	-17.3	-0.2	-0.1	-0.1	791.5
2079	0.7184	_G2	Combination	-5.7	-17.3	-0.2	-0.1	0.0	797.7
2079	1.0776	_G2	Combination	-5.7	-17.3	-0.2	-0.1	0.1	803.9
2080	0	_G2	Combination	-5.2	-5.7	-0.1	-0.1	0.0	803.4
2080	0.37968	_G2	Combination	-5.2	-5.7	-0.1	-0.1	0.0	805.6
2080	0.75936	_G2	Combination	-5.2	-5.7	-0.1	-0.1	0.0	807.8
2080	1.13904	_G2	Combination	-5.2	-5.7	-0.1	-0.1	0.0	810.0
2081	0	_G2	Combination	-5.2	5.7	0.0	-0.1	0.0	810.0
2081	0.37968	_G2	Combination	-5.2	5.7	0.0	-0.1	0.0	807.8
2081	0.75936	_G2	Combination	-5.2	5.7	0.0	-0.1	0.0	805.6
2081	1.13904	_G2	Combination	-5.2	5.7	0.0	-0.1	0.0	803.4
2082	0	_G2	Combination	-5.8	17.3	0.0	-0.1	0.0	803.9
2082	0.3592	_G2	Combination	-5.8	17.3	0.0	-0.1	0.0	797.7
2082	0.7184	_G2	Combination	-5.8	17.3	0.0	-0.1	0.0	791.5
2082	1.0776	_G2	Combination	-5.8	17.3	0.0	-0.1	0.0	785.3
2083	0	_G2	Combination	-6.0	29.2	0.0	-0.1	0.4	785.4
2083	0.26335	_G2	Combination	-6.0	29.2	0.0	-0.1	0.4	777.7
2084	0	_G2	Combination	-6.1	29.7	0.0	-0.1	-0.1	777.7
2084	0.40712	_G2	Combination	-6.1	29.7	0.0	-0.1	-0.1	765.7
2084	0.81425	_G2	Combination	-6.1	29.7	0.0	-0.1	-0.1	753.6
2085	0	_G2	Combination	-4.6	41.3	0.0	-0.1	0.0	752.1
2085	0.3592	_G2	Combination	-4.6	41.3	0.0	-0.1	0.0	737.2
2085	0.7184	_G2	Combination	-4.6	41.3	0.0	-0.1	0.0	722.4
2085	1.0776	_G2	Combination	-4.6	41.3	0.0	-0.1	0.0	707.6
2086	0	_G2	Combination	-3.7	52.5	0.0	0.0	0.0	706.4

2086	0.12083	_G2	Combination	-3.7	52.5	0.0	0.0	0.0	700.1
2087	0	_G2	Combination	-3.7	52.5	0.0	0.0	0.0	699.8
2087	0.47839	_G2	Combination	-3.7	52.5	0.0	0.0	0.0	674.6
2087	0.95677	_G2	Combination	-3.7	52.5	0.0	0.0	0.0	649.5
2088	0	_G2	Combination	-3.1	63.6	0.0	0.0	0.0	648.7
2088	0.3592	_G2	Combination	-3.1	63.6	0.0	0.0	0.0	625.9
2088	0.7184	_G2	Combination	-3.1	63.6	0.0	0.0	0.0	603.0
2088	1.0776	_G2	Combination	-3.1	63.6	0.0	0.0	0.0	580.2
2089	0	_G2	Combination	-2.7	74.7	-0.1	0.0	0.0	579.6
2089	0.45647	_G2	Combination	-2.7	74.7	-0.1	0.0	0.1	545.5
2089	0.91294	_G2	Combination	-2.7	74.7	-0.1	0.0	0.1	511.4
2090	0	_G2	Combination	-3.1	74.4	0.2	0.0	-0.3	511.4
2090	0.16466	_G2	Combination	-3.1	74.4	0.2	0.0	-0.3	499.1
2091	0	_G2	Combination	-2.2	85.6	0.1	0.0	0.1	498.0
2091	0.3592	_G2	Combination	-2.2	85.6	0.1	0.0	0.0	467.2
2091	0.7184	_G2	Combination	-2.2	85.6	0.1	0.0	0.0	436.5
2091	1.0776	_G2	Combination	-2.2	85.6	0.1	0.0	-0.1	405.7
2092	0	_G2	Combination	-1.5	96.4	0.1	0.0	0.0	404.6
2092	0.3592	_G2	Combination	-1.5	96.4	0.1	0.0	0.0	369.9
2092	0.7184	_G2	Combination	-1.5	96.4	0.1	0.0	0.0	335.3
2092	1.0776	_G2	Combination	-1.5	96.4	0.1	0.0	0.0	300.7
2093	0	_G2	Combination	-0.9	106.8	0.0	0.0	0.0	299.6
2093	0.3592	_G2	Combination	-0.9	106.8	0.0	0.0	0.0	261.3
2093	0.7184	_G2	Combination	-0.9	106.8	0.0	0.0	0.0	222.9
2093	1.0776	_G2	Combination	-0.9	106.8	0.0	0.0	0.0	184.5
2094	0	_G2	Combination	-0.2	117.0	-0.1	0.0	-0.1	183.4
2094	0.3592	_G2	Combination	-0.2	117.0	-0.1	0.0	0.0	141.3
2094	0.7184	_G2	Combination	-0.2	117.0	-0.1	0.0	0.0	99.3
2094	1.0776	_G2	Combination	-0.2	117.0	-0.1	0.0	0.1	57.3
2095	0	_G2	Combination	0.8	126.9	-0.2	0.0	0.0	55.9

2095	0.48492	_G2	Combination	0.8	126.9	-0.2	0.0	0.1	-5.6

Reazioni vincolari e spostameni – FASE 1B

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

10.1.4 Fase 1C

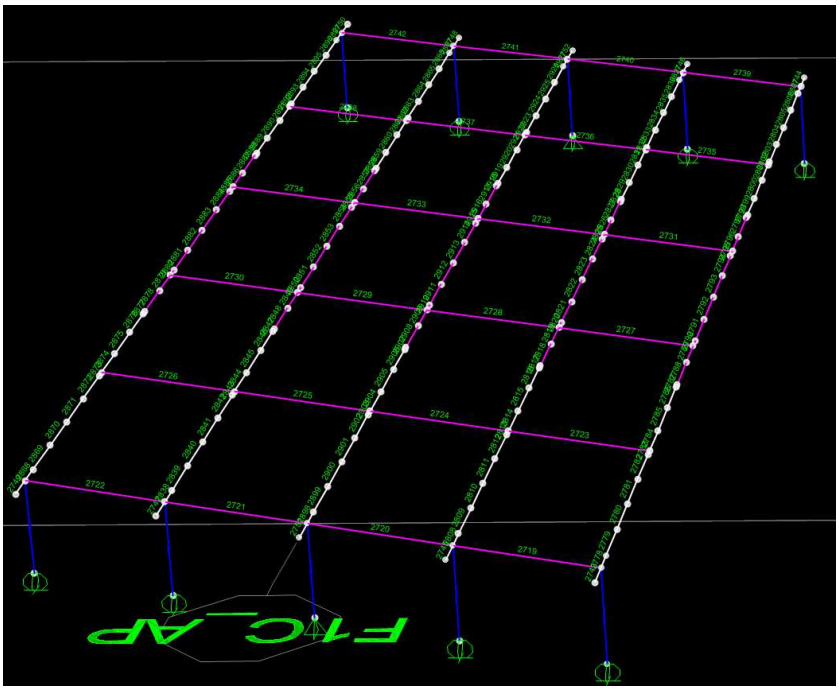


Figura 8 – Numerazione Frames modello FEM – Fase 1C.

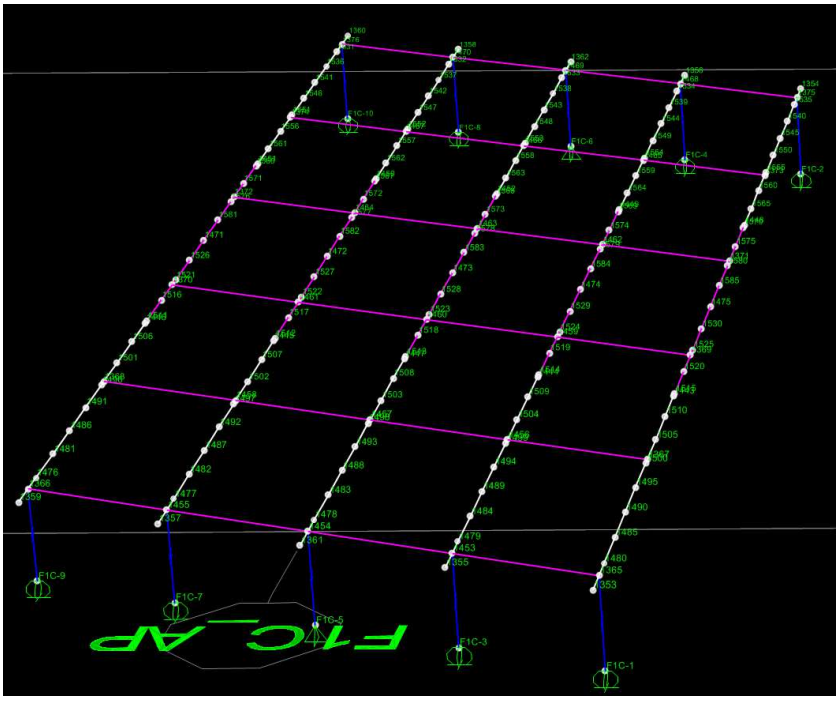


Figura 9 – Numerazione Joints modello FEM – Fase 1C.

Carichi e combinazioni di carico – FASE 1C

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE 1C

TABLE: Element Forces - Frames									
Frame	**Station**	**OutputCase**	**CaseType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
2743	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2743	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2743	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2744	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2744	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2744	0.59269	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2745	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2745	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2745	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2746	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2746	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2746	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0

2747	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2747	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2747	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2748	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2748	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2748	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2749	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2749	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2749	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2750	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2750	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2750	0.59269	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2751	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2751	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2751	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2752	0	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2752	0.29634	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2752	0.59268	_R	Combination	0.0	0.0	0.0	0.0	0.0	0.0
2778	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2778	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2779	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2779	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2779	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2779	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2780	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2780	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2780	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2780	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2781	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2781	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2781	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2781	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2782	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2782	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2782	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2782	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2

2783	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2783	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2784	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2784	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2784	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2785	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2785	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2785	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2785	1.07761	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2786	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2786	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2786	0.95678	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2787	0	_R	Combination	-2130.0	0.0	0.0	0.0	0.0	1153.5
2787	0.12083	_R	Combination	-2130.0	0.0	0.0	0.0	0.0	1153.5
2788	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2788	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2788	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2788	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2789	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2789	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2789	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2790	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2790	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2791	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2791	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2791	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2791	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2792	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2792	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2792	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2792	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2793	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2793	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2793	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2793	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2794	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5

2794	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2794	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2794	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2795	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2795	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2796	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2796	0.40713	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2796	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2797	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2797	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2797	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2797	1.07761	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2798	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2798	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2799	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2799	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2799	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2800	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2800	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2800	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2800	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2801	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2801	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2801	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2802	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2802	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2803	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2803	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2803	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2803	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2804	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2804	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2804	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2804	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2805	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2805	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2805	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2805	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2806	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2806	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2806	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2806	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2807	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2807	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2808	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2808	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2809	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2809	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2809	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2809	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2810	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2810	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2810	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2810	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2811	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2811	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2811	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2811	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2812	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2812	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2812	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2812	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2813	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2813	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2814	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2814	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2814	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2815	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2815	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2815	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2815	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2816	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2816	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2816	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2817	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2817	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2818	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2818	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2818	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2818	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2819	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2819	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2819	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2820	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2820	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2821	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2821	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2821	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2821	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2822	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2822	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2822	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2822	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2823	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2823	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2823	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2823	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2824	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2824	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2824	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2824	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2825	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2825	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2826	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2826	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2826	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2827	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2827	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5

2827	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2827	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2828	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2828	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2829	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2829	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2829	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2830	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2830	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2830	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2830	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2831	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2831	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2831	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2832	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2832	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2833	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2833	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2833	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2833	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2834	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2834	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2834	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2834	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2835	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2835	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2835	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2835	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2836	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2836	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2836	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2836	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2837	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2837	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2838	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2838	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2839	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2839	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2839	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2839	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2840	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2840	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2840	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2840	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2841	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2841	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2841	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2841	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2842	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2842	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2842	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2842	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2843	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2843	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2844	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2844	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2844	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2845	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2845	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2845	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2845	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2846	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2846	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2846	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2847	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2847	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2848	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2848	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2848	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2848	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2849	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2849	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5

2849	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2850	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2850	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2851	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2851	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2851	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2851	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2852	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2852	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2852	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2852	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2853	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2853	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2853	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2853	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2854	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2854	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2854	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2854	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2855	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2855	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2856	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2856	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2856	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2857	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2857	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2857	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2857	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2858	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2858	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2859	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2859	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2859	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2860	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2860	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2860	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2860	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2861	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2861	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2861	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2862	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2862	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2863	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2863	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2863	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2863	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2864	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2864	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2864	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2864	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2865	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2865	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2865	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2865	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2866	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2866	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2866	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2866	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2867	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2867	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2868	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2868	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2869	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2869	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2869	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2869	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2870	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2870	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2870	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2870	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2871	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2871	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2871	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2871	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2872	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2872	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2872	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2872	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2873	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2873	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2874	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2874	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2874	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2875	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2875	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2875	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2875	1.07761	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2876	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2876	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2876	0.95678	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2877	0	_R	Combination	-2130.0	0.0	0.0	0.0	0.0	1153.6
2877	0.12083	_R	Combination	-2130.0	0.0	0.0	0.0	0.0	1153.6
2878	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2878	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2878	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2878	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2879	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2879	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.6
2879	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2880	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2880	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2881	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2881	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2881	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2881	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2882	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2882	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2882	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5

2882	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2883	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2883	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2883	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2883	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2884	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2884	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2884	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2884	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2885	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2885	0.26336	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2886	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2886	0.40713	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2886	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2887	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2887	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2887	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2887	1.07761	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2888	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2888	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2889	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2889	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2889	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2890	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2890	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2890	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2890	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2891	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2891	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2891	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2892	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2892	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2893	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2893	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2893	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2893	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2

2894	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2894	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2894	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.2
2894	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2895	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2895	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2895	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2895	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2896	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2896	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2896	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2896	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2897	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2897	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2898	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2898	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2899	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2899	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2899	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2899	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2900	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2900	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2900	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2900	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2901	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2901	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2901	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2901	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2902	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2902	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2902	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2902	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2903	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2903	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2904	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2904	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2904	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2905	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2905	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2905	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2905	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2906	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2906	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2906	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2907	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2907	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2908	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2908	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2908	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2908	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2909	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2909	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2909	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2910	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2910	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2911	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2911	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2911	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2911	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2912	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2912	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2912	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2912	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2913	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2913	0.37968	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2913	0.75936	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2913	1.13904	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2914	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2914	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2914	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2914	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2915	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5

2915	0.26335	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2916	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2916	0.40712	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2916	0.81425	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2917	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2917	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2917	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2917	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2918	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2918	0.12083	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	1153.5
2919	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2919	0.47839	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2919	0.95677	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2920	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2920	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2920	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2920	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2921	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2921	0.45647	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2921	0.91294	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2922	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2922	0.16466	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2923	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2923	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2923	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2923	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2924	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2924	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2924	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2924	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2925	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2925	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2925	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2925	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2926	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2926	0.3592	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

2926	0.7184	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2926	1.0776	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2927	0	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3
2927	0.48492	_R	Combination	-2130.0	0.0	0.0	-0.1	0.0	962.3

Reazioni vincolari e spostameni – FASE 1C

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

10.1.5 Fase 2

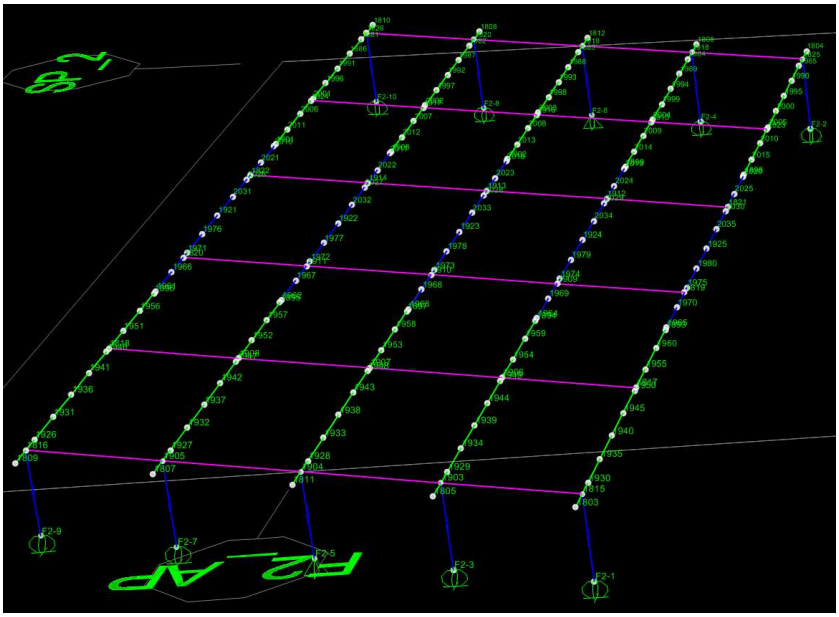


Figura 10 – Numerazione Joints modello FEM – Fase 2.

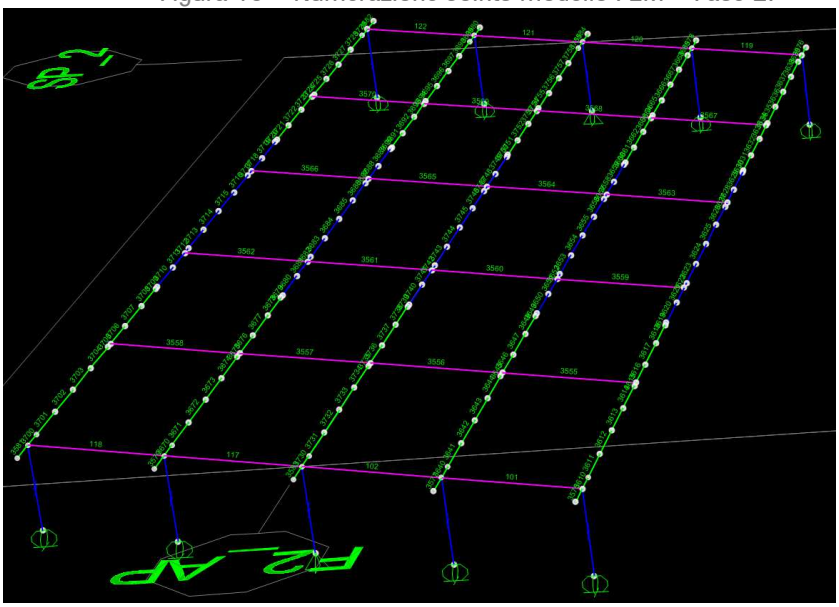


Figura 11 – Numerazione Frames modello FEM – Fase 2.

Carichi e combinazioni di carico – FASE 2

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE 2

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
3575	0.0	C_Mob_ENV	Combination	Max	21.1	67.9	5.6	0.3	20.5	18.8
3575	0.3	C_Mob_ENV	Combination	Max	21.1	67.9	5.6	0.3	23.6	14.7
3575	0.6	C_Mob_ENV	Combination	Max	21.1	67.9	5.6	0.3	26.7	10.6
3575	0.0	C_Mob_ENV	Combination	Min	-8.6	-1.2	-48.9	-0.1	-15.9	-20.6
3575	0.3	C_Mob_ENV	Combination	Min	-8.6	-1.2	-48.9	-0.1	-9.9	-28.7
3575	0.6	C_Mob_ENV	Combination	Min	-8.6	-1.2	-48.9	-0.1	-5.9	-36.9
3576	0.0	C_Mob_ENV	Combination	Max	9.9	3.9	54.5	0.1	25.2	13.4
3576	0.3	C_Mob_ENV	Combination	Max	9.9	3.9	54.5	0.1	23.2	16.5
3576	0.6	C_Mob_ENV	Combination	Max	9.9	3.9	54.5	0.1	21.1	19.6
3576	0.0	C_Mob_ENV	Combination	Min	-26.8	-73.5	-9.4	-0.3	-3.6	-44.6
3576	0.3	C_Mob_ENV	Combination	Min	-26.8	-73.5	-9.4	-0.3	-10.9	-33.6
3576	0.6	C_Mob_ENV	Combination	Min	-26.8	-73.5	-9.4	-0.3	-19.1	-22.7
3577	0.0	C_Mob_ENV	Combination	Max	29.8	153.6	71.7	0.2	30.8	27.4
3577	0.3	C_Mob_ENV	Combination	Max	29.8	153.6	71.7	0.2	22.4	23.6
3577	0.6	C_Mob_ENV	Combination	Max	29.8	153.6	71.7	0.2	14.0	19.9
3577	0.0	C_Mob_ENV	Combination	Min	-37.6	-3.0	-18.1	-0.3	-20.0	-25.7
3577	0.3	C_Mob_ENV	Combination	Min	-37.6	-3.0	-18.1	-0.3	-24.5	-57.8

3577	0.6	C_Mob_ENV	Combination	Min	-37.6	-3.0	-18.1	-0.3	-29.0	-89.8
3578	0.0	C_Mob_ENV	Combination	Max	40.1	7.2	20.9	0.2	15.9	21.5
3578	0.3	C_Mob_ENV	Combination	Max	40.1	7.2	20.9	0.2	22.4	26.1
3578	0.6	C_Mob_ENV	Combination	Max	40.1	7.2	20.9	0.2	28.8	30.8
3578	0.0	C_Mob_ENV	Combination	Min	-21.5	-146.7	-67.4	-0.2	-28.6	-83.6
3578	0.3	C_Mob_ENV	Combination	Min	-21.5	-146.7	-67.4	-0.2	-24.1	-56.0
3578	0.6	C_Mob_ENV	Combination	Min	-21.5	-146.7	-67.4	-0.2	-19.5	-28.3
3579	0.0	C_Mob_ENV	Combination	Max	17.9	61.5	2.1	0.3	13.6	31.5
3579	0.3	C_Mob_ENV	Combination	Max	17.9	61.5	2.1	0.3	16.1	27.9
3579	0.6	C_Mob_ENV	Combination	Max	17.9	61.5	2.1	0.3	18.7	24.3
3579	0.0	C_Mob_ENV	Combination	Min	-22.3	-3.3	-28.5	-0.1	-10.4	-15.2
3579	0.3	C_Mob_ENV	Combination	Min	-22.3	-3.3	-28.5	-0.1	-7.0	-25.5
3579	0.6	C_Mob_ENV	Combination	Min	-22.3	-3.3	-28.5	-0.1	-3.5	-35.8
3580	0.0	C_Mob_ENV	Combination	Max	14.2	4.1	23.1	0.1	16.5	26.0
3580	0.3	C_Mob_ENV	Combination	Max	14.2	4.1	23.1	0.1	15.4	28.8
3580	0.6	C_Mob_ENV	Combination	Max	14.2	4.1	23.1	0.1	14.3	31.5
3580	0.0	C_Mob_ENV	Combination	Min	-31.3	-62.9	-3.4	-0.3	-3.1	-37.2
3580	0.3	C_Mob_ENV	Combination	Min	-31.3	-62.9	-3.4	-0.3	-6.0	-25.8
3580	0.6	C_Mob_ENV	Combination	Min	-31.3	-62.9	-3.4	-0.3	-8.8	-14.4
3581	0.0	C_Mob_ENV	Combination	Max	8.4	11.5	14.7	0.2	9.3	29.7
3581	0.3	C_Mob_ENV	Combination	Max	8.4	11.5	14.7	0.2	6.5	30.3
3581	0.6	C_Mob_ENV	Combination	Max	8.4	11.5	14.7	0.2	5.0	30.9

3581	0.0	C_Mob_ENV	Combination	Min	-12.0	-6.1	-10.7	-0.1	-5.9	-7.7
3581	0.3	C_Mob_ENV	Combination	Min	-12.0	-6.1	-10.7	-0.1	-4.8	-8.6
3581	0.6	C_Mob_ENV	Combination	Min	-12.0	-6.1	-10.7	-0.1	-4.1	-9.6
3582	0.0	C_Mob_ENV	Combination	Max	6.5	3.6	8.7	0.1	9.1	26.5
3582	0.3	C_Mob_ENV	Combination	Max	6.5	3.6	8.7	0.1	8.5	26.9
3582	0.6	C_Mob_ENV	Combination	Max	6.5	3.6	8.7	0.1	7.8	27.2
3582	0.0	C_Mob_ENV	Combination	Min	-9.8	-11.2	-6.8	-0.3	-3.8	-8.3
3582	0.3	C_Mob_ENV	Combination	Min	-9.8	-11.2	-6.8	-0.3	-4.1	-7.5
3582	0.6	C_Mob_ENV	Combination	Min	-9.8	-11.2	-6.8	-0.3	-4.8	-6.7
3583	0.0	C_Mob_ENV	Combination	Max	37.2	195.4	35.7	0.2	17.7	45.3
3583	0.3	C_Mob_ENV	Combination	Max	37.2	195.4	35.7	0.2	14.8	34.9
3583	0.6	C_Mob_ENV	Combination	Max	37.2	195.4	35.7	0.2	11.9	26.9
3583	0.0	C_Mob_ENV	Combination	Min	-35.3	-3.5	-14.0	-0.2	-12.9	-41.3
3583	0.3	C_Mob_ENV	Combination	Min	-35.3	-3.5	-14.0	-0.2	-14.2	-75.2
3583	0.6	C_Mob_ENV	Combination	Min	-35.3	-3.5	-14.0	-0.2	-15.5	-109.1
3584	0.0	C_Mob_ENV	Combination	Max	39.7	3.4	7.5	0.2	11.4	27.7
3584	0.3	C_Mob_ENV	Combination	Max	39.7	3.4	7.5	0.2	14.3	36.2
3584	0.6	C_Mob_ENV	Combination	Max	39.7	3.4	7.5	0.2	17.3	48.0
3584	0.0	C_Mob_ENV	Combination	Min	-26.7	-191.8	-34.6	-0.2	-15.7	-105.9
3584	0.3	C_Mob_ENV	Combination	Min	-26.7	-191.8	-34.6	-0.2	-13.1	-74.5
3584	0.6	C_Mob_ENV	Combination	Min	-26.7	-191.8	-34.6	-0.2	-10.5	-43.0
3610	0.0	C_Mob_ENV	Combination	Max	10.2	0.5	116.4	0.2	24.7	11.0

3610	0.5	C_Mob_ENV	Combination	Max	10.2	0.5	116.4	0.2	7.8	216.8
3610	0.0	C_Mob_ENV	Combination	Min	-51.9	-459.6	-14.7	-0.3	-5.1	-37.3
3610	0.5	C_Mob_ENV	Combination	Min	-51.9	-459.6	-14.7	-0.3	-37.1	-7.5
3611	0.0	C_Mob_ENV	Combination	Max	18.9	0.4	77.7	0.2	38.2	219.5
3611	0.4	C_Mob_ENV	Combination	Max	18.9	0.4	77.7	0.2	27.4	374.9
3611	0.7	C_Mob_ENV	Combination	Max	18.9	0.4	77.7	0.2	16.6	530.3
3611	1.1	C_Mob_ENV	Combination	Max	18.9	0.4	77.7	0.2	6.7	685.7
3611	0.0	C_Mob_ENV	Combination	Min	-34.9	-445.6	-14.7	-0.2	-10.7	-10.2
3611	0.4	C_Mob_ENV	Combination	Min	-34.9	-445.6	-14.7	-0.2	-22.5	-9.3
3611	0.7	C_Mob_ENV	Combination	Min	-34.9	-445.6	-14.7	-0.2	-34.3	-8.5
3611	1.1	C_Mob_ENV	Combination	Min	-34.9	-445.6	-14.7	-0.2	-46.0	-7.6
3612	0.0	C_Mob_ENV	Combination	Max	30.3	0.1	48.4	0.2	20.3	692.5
3612	0.4	C_Mob_ENV	Combination	Max	30.3	0.1	48.4	0.2	17.7	841.7
3612	0.7	C_Mob_ENV	Combination	Max	30.3	0.1	48.4	0.2	15.0	990.8
3612	1.1	C_Mob_ENV	Combination	Max	30.3	0.1	48.4	0.2	12.4	1140.0
3612	0.0	C_Mob_ENV	Combination	Min	-29.6	-427.7	-32.7	-0.1	-23.5	-7.2
3612	0.4	C_Mob_ENV	Combination	Min	-29.6	-427.7	-32.7	-0.1	-26.5	-6.8
3612	0.7	C_Mob_ENV	Combination	Min	-29.6	-427.7	-32.7	-0.1	-29.6	-6.4
3612	1.1	C_Mob_ENV	Combination	Min	-29.6	-427.7	-32.7	-0.1	-32.6	-6.0
3613	0.0	C_Mob_ENV	Combination	Max	32.6	0.1	22.0	0.2	8.2	1154.7
3613	0.4	C_Mob_ENV	Combination	Max	32.6	0.1	22.0	0.2	13.7	1294.3
3613	0.7	C_Mob_ENV	Combination	Max	32.6	0.1	22.0	0.2	20.6	1433.8

3613	1.1	C_Mob_ENV	Combination	Max	32.6	0.1	22.0	0.2	27.5	1573.4
3613	0.0	C_Mob_ENV	Combination	Min	-30.1	-405.9	-61.2	-0.1	-39.2	-5.1
3613	0.4	C_Mob_ENV	Combination	Min	-30.1	-405.9	-61.2	-0.1	-31.7	-4.8
3613	0.7	C_Mob_ENV	Combination	Min	-30.1	-405.9	-61.2	-0.1	-24.1	-4.4
3613	1.1	C_Mob_ENV	Combination	Min	-30.1	-405.9	-61.2	-0.1	-16.6	-4.1
3614	0.0	C_Mob_ENV	Combination	Max	27.4	0.4	12.9	0.3	6.2	1591.4
3614	0.4	C_Mob_ENV	Combination	Max	27.4	0.4	12.9	0.3	22.8	1717.6
3614	0.7	C_Mob_ENV	Combination	Max	27.4	0.4	12.9	0.3	40.4	1843.7
3614	1.1	C_Mob_ENV	Combination	Max	27.4	0.4	12.9	0.3	58.1	1969.9
3614	0.0	C_Mob_ENV	Combination	Min	-38.0	-378.8	-104.7	-0.1	-55.4	-2.8
3614	0.4	C_Mob_ENV	Combination	Min	-38.0	-378.8	-104.7	-0.1	-38.9	-2.4
3614	0.7	C_Mob_ENV	Combination	Min	-38.0	-378.8	-104.7	-0.1	-22.5	-2.0
3614	1.1	C_Mob_ENV	Combination	Min	-38.0	-378.8	-104.7	-0.1	-7.8	-1.7
3615	0.0	C_Mob_ENV	Combination	Max	39.1	5.3	23.3	1.0	49.1	1970.0
3615	0.2	C_Mob_ENV	Combination	Max	39.1	5.3	23.3	1.0	59.5	2015.2
3615	0.0	C_Mob_ENV	Combination	Min	-35.5	-346.4	-174.3	-0.8	-11.4	0.3
3615	0.2	C_Mob_ENV	Combination	Min	-35.5	-346.4	-174.3	-0.8	-8.8	0.6
3616	0.0	C_Mob_ENV	Combination	Max	16.3	18.5	123.0	0.1	56.1	2014.4
3616	0.5	C_Mob_ENV	Combination	Max	16.3	18.5	123.0	0.1	32.3	2144.3
3616	0.9	C_Mob_ENV	Combination	Max	16.3	18.5	123.0	0.1	8.6	2274.1
3616	0.0	C_Mob_ENV	Combination	Min	-94.8	-324.3	-14.7	-0.3	-7.4	0.9
3616	0.5	C_Mob_ENV	Combination	Min	-94.8	-324.3	-14.7	-0.3	-31.4	2.2

3616	0.9	C_Mob_ENV	Combination	Min	-94.8	-324.3	-14.7	-0.3	-56.7	3.6
3617	0.0	C_Mob_ENV	Combination	Max	9.7	29.8	67.8	0.1	31.8	2258.6
3617	0.4	C_Mob_ENV	Combination	Max	9.7	29.8	67.8	0.1	23.2	2346.2
3617	0.7	C_Mob_ENV	Combination	Max	9.7	29.8	67.8	0.1	14.6	2433.9
3617	1.1	C_Mob_ENV	Combination	Max	9.7	29.8	67.8	0.1	5.9	2521.5
3617	0.0	C_Mob_ENV	Combination	Min	-55.3	-299.9	-17.9	-0.2	-14.1	3.5
3617	0.4	C_Mob_ENV	Combination	Min	-55.3	-299.9	-17.9	-0.2	-23.5	4.7
3617	0.7	C_Mob_ENV	Combination	Min	-55.3	-299.9	-17.9	-0.2	-32.8	5.9
3617	1.1	C_Mob_ENV	Combination	Min	-55.3	-299.9	-17.9	-0.2	-42.2	7.1
3618	0.0	C_Mob_ENV	Combination	Max	15.5	44.6	29.3	0.4	10.8	2518.8
3618	0.5	C_Mob_ENV	Combination	Max	15.5	44.6	29.3	0.4	13.3	2618.1
3618	1.0	C_Mob_ENV	Combination	Max	15.5	44.6	29.3	0.4	16.3	2717.4
3618	0.0	C_Mob_ENV	Combination	Min	-41.0	-276.8	-47.6	-0.2	-31.3	6.7
3618	0.5	C_Mob_ENV	Combination	Min	-41.0	-276.8	-47.6	-0.2	-25.5	7.6
3618	1.0	C_Mob_ENV	Combination	Min	-41.0	-276.8	-47.6	-0.2	-19.7	8.6
3619	0.0	C_Mob_ENV	Combination	Max	15.5	44.6	29.3	2.5	16.3	2720.3
3619	0.1	C_Mob_ENV	Combination	Max	15.5	44.6	29.3	2.5	21.8	2749.7
3619	0.0	C_Mob_ENV	Combination	Min	-41.0	-276.8	-47.6	-3.9	-19.7	9.1
3619	0.1	C_Mob_ENV	Combination	Min	-41.0	-276.8	-47.6	-3.9	-23.1	9.2
3620	0.0	C_Mob_ENV	Combination	Max	22.1	59.1	12.6	0.3	5.8	2758.7
3620	0.4	C_Mob_ENV	Combination	Max	22.1	59.1	12.6	0.3	18.1	2821.4
3620	0.7	C_Mob_ENV	Combination	Max	22.1	59.1	12.6	0.3	31.0	2884.2

3620	1.1	C_Mob_ENV	Combination	Max	22.1	59.1	12.6	0.3	43.8	2946.9
3620	0.0	C_Mob_ENV	Combination	Min	-45.7	-251.0	-88.2	-0.2	-53.1	8.4
3620	0.4	C_Mob_ENV	Combination	Min	-45.7	-251.0	-88.2	-0.2	-39.0	8.8
3620	0.7	C_Mob_ENV	Combination	Min	-45.7	-251.0	-88.2	-0.2	-24.9	9.2
3620	1.1	C_Mob_ENV	Combination	Min	-45.7	-251.0	-88.2	-0.2	-11.0	9.5
3621	0.0	C_Mob_ENV	Combination	Max	28.5	74.0	18.9	0.3	16.5	2960.0
3621	0.4	C_Mob_ENV	Combination	Max	28.5	74.0	18.9	0.3	41.1	3007.6
3621	0.8	C_Mob_ENV	Combination	Max	28.5	74.0	18.9	0.3	65.6	3055.1
3621	0.0	C_Mob_ENV	Combination	Min	-55.2	-222.0	-143.5	-0.5	-54.3	9.1
3621	0.4	C_Mob_ENV	Combination	Min	-55.2	-222.0	-143.5	-0.5	-31.3	9.7
3621	0.8	C_Mob_ENV	Combination	Min	-55.2	-222.0	-143.5	-0.5	-10.8	10.2
3622	0.0	C_Mob_ENV	Combination	Max	23.4	86.6	167.7	1.0	61.4	3055.3
3622	0.3	C_Mob_ENV	Combination	Max	23.4	86.6	167.7	1.0	46.9	3092.0
3622	0.0	C_Mob_ENV	Combination	Min	-125.0	-203.1	-22.4	-0.3	-10.2	10.3
3622	0.3	C_Mob_ENV	Combination	Min	-125.0	-203.1	-22.4	-0.3	-13.1	10.7
3623	0.0	C_Mob_ENV	Combination	Max	17.3	110.8	105.4	0.1	60.6	3074.6
3623	0.4	C_Mob_ENV	Combination	Max	17.3	110.8	105.4	0.1	43.7	3094.9
3623	0.7	C_Mob_ENV	Combination	Max	17.3	110.8	105.4	0.1	26.7	3115.2
3623	1.1	C_Mob_ENV	Combination	Max	17.3	110.8	105.4	0.1	9.7	3135.4
3623	0.0	C_Mob_ENV	Combination	Min	-89.0	-177.9	-12.6	-0.5	-8.9	9.9
3623	0.4	C_Mob_ENV	Combination	Min	-89.0	-177.9	-12.6	-0.5	-23.3	10.8
3623	0.7	C_Mob_ENV	Combination	Min	-89.0	-177.9	-12.6	-0.5	-39.4	11.7

3623	1.1	C_Mob_ENV	Combination	Min	-89.0	-177.9	-12.6	-0.5	-55.5	12.6
3624	0.0	C_Mob_ENV	Combination	Max	10.6	134.9	57.0	0.1	25.8	3121.3
3624	0.4	C_Mob_ENV	Combination	Max	10.6	134.9	57.0	0.1	20.0	3127.9
3624	0.8	C_Mob_ENV	Combination	Max	10.6	134.9	57.0	0.1	14.2	3134.4
3624	1.1	C_Mob_ENV	Combination	Max	10.6	134.9	57.0	0.1	8.3	3141.0
3624	0.0	C_Mob_ENV	Combination	Min	-57.3	-155.7	-21.9	-0.4	-19.6	10.5
3624	0.4	C_Mob_ENV	Combination	Min	-57.3	-155.7	-21.9	-0.4	-26.9	11.3
3624	0.8	C_Mob_ENV	Combination	Min	-57.3	-155.7	-21.9	-0.4	-34.2	12.0
3624	1.1	C_Mob_ENV	Combination	Min	-57.3	-155.7	-21.9	-0.4	-41.5	12.8
3625	0.0	C_Mob_ENV	Combination	Max	15.0	157.6	20.7	0.1	8.4	3147.0
3625	0.4	C_Mob_ENV	Combination	Max	15.0	157.6	20.7	0.1	14.2	3139.3
3625	0.8	C_Mob_ENV	Combination	Max	15.0	157.6	20.7	0.1	20.0	3131.6
3625	1.1	C_Mob_ENV	Combination	Max	15.0	157.6	20.7	0.1	25.8	3123.9
3625	0.0	C_Mob_ENV	Combination	Min	-46.4	-133.3	-57.4	-0.3	-41.9	10.4
3625	0.4	C_Mob_ENV	Combination	Min	-46.4	-133.3	-57.4	-0.3	-34.3	9.7
3625	0.8	C_Mob_ENV	Combination	Min	-46.4	-133.3	-57.4	-0.3	-26.6	9.0
3625	1.1	C_Mob_ENV	Combination	Min	-46.4	-133.3	-57.4	-0.3	-19.0	8.2
3626	0.0	C_Mob_ENV	Combination	Max	23.9	180.2	13.5	0.2	8.9	3147.6
3626	0.4	C_Mob_ENV	Combination	Max	23.9	180.2	13.5	0.2	25.7	3124.8
3626	0.7	C_Mob_ENV	Combination	Max	23.9	180.2	13.5	0.2	42.5	3102.0
3626	1.1	C_Mob_ENV	Combination	Max	23.9	180.2	13.5	0.2	59.3	3079.2
3626	0.0	C_Mob_ENV	Combination	Min	-53.2	-109.0	-105.7	-0.3	-56.3	5.7

3626	0.4	C_Mob_ENV	Combination	Min	-53.2	-109.0	-105.7	-0.3	-39.8	4.9
3626	0.7	C_Mob_ENV	Combination	Min	-53.2	-109.0	-105.7	-0.3	-23.3	4.0
3626	1.1	C_Mob_ENV	Combination	Min	-53.2	-109.0	-105.7	-0.3	-8.5	3.2
3627	0.0	C_Mob_ENV	Combination	Max	32.6	204.9	22.8	0.3	43.8	3101.9
3627	0.3	C_Mob_ENV	Combination	Max	32.6	204.9	22.8	0.3	58.0	3064.2
3627	0.0	C_Mob_ENV	Combination	Min	-49.1	-84.1	-166.5	-1.4	-16.8	0.9
3627	0.3	C_Mob_ENV	Combination	Min	-49.1	-84.1	-166.5	-1.4	-9.4	0.5
3628	0.0	C_Mob_ENV	Combination	Max	21.7	222.7	135.5	0.3	63.0	3064.7
3628	0.4	C_Mob_ENV	Combination	Max	21.7	222.7	135.5	0.3	41.4	3013.4
3628	0.8	C_Mob_ENV	Combination	Max	21.7	222.7	135.5	0.3	19.9	2962.0
3628	0.0	C_Mob_ENV	Combination	Min	-109.5	-71.0	-17.8	-0.5	-10.0	0.5
3628	0.4	C_Mob_ENV	Combination	Min	-109.5	-71.0	-17.8	-0.5	-29.7	0.2
3628	0.8	C_Mob_ENV	Combination	Min	-109.5	-71.0	-17.8	-0.5	-51.4	-0.2
3629	0.0	C_Mob_ENV	Combination	Max	13.1	252.1	84.0	0.1	42.1	2958.6
3629	0.4	C_Mob_ENV	Combination	Max	13.1	252.1	84.0	0.1	30.7	2893.6
3629	0.7	C_Mob_ENV	Combination	Max	13.1	252.1	84.0	0.1	19.2	2828.5
3629	1.1	C_Mob_ENV	Combination	Max	13.1	252.1	84.0	0.1	7.7	2763.5
3629	0.0	C_Mob_ENV	Combination	Min	-71.7	-55.2	-13.6	-0.6	-12.7	-2.5
3629	0.4	C_Mob_ENV	Combination	Min	-71.7	-55.2	-13.6	-0.6	-25.5	-2.6
3629	0.7	C_Mob_ENV	Combination	Min	-71.7	-55.2	-13.6	-0.6	-38.3	-2.6
3629	1.1	C_Mob_ENV	Combination	Min	-71.7	-55.2	-13.6	-0.6	-51.2	-2.6
3630	0.0	C_Mob_ENV	Combination	Max	10.5	279.1	46.4	3.7	21.6	2767.7

3630	0.1	C_Mob_ENV	Combination	Max	10.5	279.1	46.4	3.7	16.3	2737.9
3630	0.0	C_Mob_ENV	Combination	Min	-47.9	-40.9	-30.9	-2.8	-23.8	-5.2
3630	0.1	C_Mob_ENV	Combination	Min	-47.9	-40.9	-30.9	-2.8	-20.1	-5.2
3631	0.0	C_Mob_ENV	Combination	Max	10.5	279.1	46.4	0.1	16.3	2735.9
3631	0.5	C_Mob_ENV	Combination	Max	10.5	279.1	46.4	0.1	14.1	2633.3
3631	1.0	C_Mob_ENV	Combination	Max	10.5	279.1	46.4	0.1	12.0	2530.8
3631	0.0	C_Mob_ENV	Combination	Min	-47.9	-40.9	-30.9	-0.6	-20.1	-5.1
3631	0.5	C_Mob_ENV	Combination	Min	-47.9	-40.9	-30.9	-0.6	-25.3	-5.8
3631	1.0	C_Mob_ENV	Combination	Min	-47.9	-40.9	-30.9	-0.6	-30.5	-6.5
3632	0.0	C_Mob_ENV	Combination	Max	17.5	304.2	18.1	0.1	7.3	2548.9
3632	0.4	C_Mob_ENV	Combination	Max	17.5	304.2	18.1	0.1	14.9	2458.7
3632	0.7	C_Mob_ENV	Combination	Max	17.5	304.2	18.1	0.1	22.9	2368.5
3632	1.1	C_Mob_ENV	Combination	Max	17.5	304.2	18.1	0.1	30.8	2278.3
3632	0.0	C_Mob_ENV	Combination	Min	-41.0	-25.8	-66.0	-0.2	-41.5	-9.0
3632	0.4	C_Mob_ENV	Combination	Min	-41.0	-25.8	-66.0	-0.2	-32.0	-9.9
3632	0.7	C_Mob_ENV	Combination	Min	-41.0	-25.8	-66.0	-0.2	-22.5	-10.8
3632	1.1	C_Mob_ENV	Combination	Min	-41.0	-25.8	-66.0	-0.2	-13.0	-11.6
3633	0.0	C_Mob_ENV	Combination	Max	21.5	330.1	14.8	0.1	8.7	2304.2
3633	0.5	C_Mob_ENV	Combination	Max	21.5	330.1	14.8	0.1	30.4	2170.0
3633	0.9	C_Mob_ENV	Combination	Max	21.5	330.1	14.8	0.1	52.1	2035.8
3633	0.0	C_Mob_ENV	Combination	Min	-44.5	-16.3	-117.1	-0.3	-55.4	-14.5
3633	0.5	C_Mob_ENV	Combination	Min	-44.5	-16.3	-117.1	-0.3	-31.4	-15.2

3633	0.9	C_Mob_ENV	Combination	Min	-44.5	-16.3	-117.1	-0.3	-7.5	-15.9
3634	0.0	C_Mob_ENV	Combination	Max	22.2	349.5	164.4	0.6	56.0	2036.5
3634	0.2	C_Mob_ENV	Combination	Max	22.2	349.5	164.4	0.6	48.5	1990.0
3634	0.0	C_Mob_ENV	Combination	Min	-112.8	-2.9	-24.6	-0.8	-8.0	-16.0
3634	0.2	C_Mob_ENV	Combination	Min	-112.8	-2.9	-24.6	-0.8	-9.5	-16.1
3635	0.0	C_Mob_ENV	Combination	Max	13.3	384.1	101.1	0.1	55.6	1996.0
3635	0.4	C_Mob_ENV	Combination	Max	13.3	384.1	101.1	0.1	40.1	1865.2
3635	0.7	C_Mob_ENV	Combination	Max	13.3	384.1	101.1	0.1	24.6	1734.5
3635	1.1	C_Mob_ENV	Combination	Max	13.3	384.1	101.1	0.1	9.1	1603.8
3635	0.0	C_Mob_ENV	Combination	Min	-80.4	-3.2	-14.1	-0.4	-7.4	-18.8
3635	0.4	C_Mob_ENV	Combination	Min	-80.4	-3.2	-14.1	-0.4	-22.7	-18.3
3635	0.7	C_Mob_ENV	Combination	Min	-80.4	-3.2	-14.1	-0.4	-38.5	-17.9
3635	1.1	C_Mob_ENV	Combination	Min	-80.4	-3.2	-14.1	-0.4	-54.3	-17.4
3636	0.0	C_Mob_ENV	Combination	Max	19.8	414.0	60.6	0.1	27.3	1597.6
3636	0.4	C_Mob_ENV	Combination	Max	19.8	414.0	60.6	0.1	21.2	1452.9
3636	0.7	C_Mob_ENV	Combination	Max	19.8	414.0	60.6	0.1	15.0	1308.1
3636	1.1	C_Mob_ENV	Combination	Max	19.8	414.0	60.6	0.1	8.8	1163.4
3636	0.0	C_Mob_ENV	Combination	Min	-44.2	-3.6	-23.5	-0.3	-17.4	-19.8
3636	0.4	C_Mob_ENV	Combination	Min	-44.2	-3.6	-23.5	-0.3	-24.7	-19.2
3636	0.7	C_Mob_ENV	Combination	Min	-44.2	-3.6	-23.5	-0.3	-31.9	-18.5
3636	1.1	C_Mob_ENV	Combination	Min	-44.2	-3.6	-23.5	-0.3	-39.1	-17.8
3637	0.0	C_Mob_ENV	Combination	Max	30.3	438.1	32.6	0.1	12.9	1163.4

3637	0.4	C_Mob_ENV	Combination	Max	30.3	438.1	32.6	0.1	15.2	1009.0
3637	0.7	C_Mob_ENV	Combination	Max	30.3	438.1	32.6	0.1	17.6	854.5
3637	1.1	C_Mob_ENV	Combination	Max	30.3	438.1	32.6	0.1	19.9	700.1
3637	0.0	C_Mob_ENV	Combination	Min	-25.5	-3.9	-47.2	-0.3	-32.0	-20.1
3637	0.4	C_Mob_ENV	Combination	Min	-25.5	-3.9	-47.2	-0.3	-29.1	-19.4
3637	0.7	C_Mob_ENV	Combination	Min	-25.5	-3.9	-47.2	-0.3	-26.2	-18.7
3637	1.1	C_Mob_ENV	Combination	Min	-25.5	-3.9	-47.2	-0.3	-23.3	-17.9
3638	0.0	C_Mob_ENV	Combination	Max	37.5	458.4	14.8	0.2	7.0	704.5
3638	0.4	C_Mob_ENV	Combination	Max	37.5	458.4	14.8	0.2	16.7	544.0
3638	0.7	C_Mob_ENV	Combination	Max	37.5	458.4	14.8	0.2	26.4	383.6
3638	1.1	C_Mob_ENV	Combination	Max	37.5	458.4	14.8	0.2	36.0	223.2
3638	0.0	C_Mob_ENV	Combination	Min	-17.7	-4.1	-74.4	-0.3	-44.6	-19.7
3638	0.4	C_Mob_ENV	Combination	Min	-17.7	-4.1	-74.4	-0.3	-33.2	-19.6
3638	0.7	C_Mob_ENV	Combination	Min	-17.7	-4.1	-74.4	-0.3	-21.7	-19.6
3638	1.1	C_Mob_ENV	Combination	Min	-17.7	-4.1	-74.4	-0.3	-10.3	-19.5
3639	0.0	C_Mob_ENV	Combination	Max	45.5	475.1	19.8	0.3	7.9	224.2
3639	0.5	C_Mob_ENV	Combination	Max	45.5	475.1	19.8	0.3	25.4	13.9
3639	0.0	C_Mob_ENV	Combination	Min	-15.5	-3.5	-113.2	-0.4	-37.0	-15.0
3639	0.5	C_Mob_ENV	Combination	Min	-15.5	-3.5	-113.2	-0.4	-10.7	-45.0
3640	0.0	C_Mob_ENV	Combination	Max	69.5	-9.2	49.8	0.5	13.4	19.9
3640	0.5	C_Mob_ENV	Combination	Max	69.5	-9.2	49.8	0.5	44.3	282.6
3640	0.0	C_Mob_ENV	Combination	Min	-38.6	-606.8	-146.6	-0.2	-36.3	-89.7

3640	0.5	C_Mob_ENV	Combination	Min	-38.6	-606.8	-146.6	-0.2	-21.3	-39.8
3641	0.0	C_Mob_ENV	Combination	Max	53.5	-8.1	52.7	0.4	28.8	307.5
3641	0.4	C_Mob_ENV	Combination	Max	53.5	-8.1	52.7	0.4	29.8	484.4
3641	0.7	C_Mob_ENV	Combination	Max	53.5	-8.1	52.7	0.4	40.9	661.4
3641	1.1	C_Mob_ENV	Combination	Max	53.5	-8.1	52.7	0.4	52.0	838.4
3641	0.0	C_Mob_ENV	Combination	Min	-66.3	-534.7	-91.9	-0.2	-47.6	-50.0
3641	0.4	C_Mob_ENV	Combination	Min	-66.3	-534.7	-91.9	-0.2	-37.4	-43.4
3641	0.7	C_Mob_ENV	Combination	Min	-66.3	-534.7	-91.9	-0.2	-27.2	-36.9
3641	1.1	C_Mob_ENV	Combination	Min	-66.3	-534.7	-91.9	-0.2	-28.2	-30.3
3642	0.0	C_Mob_ENV	Combination	Max	51.9	19.4	63.5	0.3	35.3	846.0
3642	0.4	C_Mob_ENV	Combination	Max	51.9	19.4	63.5	0.3	32.0	987.9
3642	0.7	C_Mob_ENV	Combination	Max	51.9	19.4	63.5	0.3	35.4	1129.9
3642	1.1	C_Mob_ENV	Combination	Max	51.9	19.4	63.5	0.3	38.8	1271.8
3642	0.0	C_Mob_ENV	Combination	Min	-85.0	-471.7	-66.0	-0.2	-33.0	-28.8
3642	0.4	C_Mob_ENV	Combination	Min	-85.0	-471.7	-66.0	-0.2	-30.1	-22.4
3642	0.7	C_Mob_ENV	Combination	Min	-85.0	-471.7	-66.0	-0.2	-27.2	-16.0
3642	1.1	C_Mob_ENV	Combination	Min	-85.0	-471.7	-66.0	-0.2	-33.5	-9.6
3643	0.0	C_Mob_ENV	Combination	Max	60.5	65.3	75.0	0.3	43.4	1260.5
3643	0.4	C_Mob_ENV	Combination	Max	60.5	65.3	75.0	0.3	37.6	1372.8
3643	0.7	C_Mob_ENV	Combination	Max	60.5	65.3	75.0	0.3	33.6	1485.1
3643	1.1	C_Mob_ENV	Combination	Max	60.5	65.3	75.0	0.3	29.6	1597.3
3643	0.0	C_Mob_ENV	Combination	Min	-78.3	-421.4	-52.0	-0.2	-29.4	-7.1

3643	0.4	C_Mob_ENV	Combination	Min	-78.3	-421.4	-52.0	-0.2	-27.5	-0.9
3643	0.7	C_Mob_ENV	Combination	Min	-78.3	-421.4	-52.0	-0.2	-30.2	5.3
3643	1.1	C_Mob_ENV	Combination	Min	-78.3	-421.4	-52.0	-0.2	-38.5	11.5
3644	0.0	C_Mob_ENV	Combination	Max	82.3	105.5	107.1	0.2	60.0	1570.8
3644	0.4	C_Mob_ENV	Combination	Max	82.3	105.5	107.1	0.2	49.2	1664.9
3644	0.7	C_Mob_ENV	Combination	Max	82.3	105.5	107.1	0.2	40.9	1758.9
3644	1.1	C_Mob_ENV	Combination	Max	82.3	105.5	107.1	0.2	41.8	1853.0
3644	0.0	C_Mob_ENV	Combination	Min	-49.7	-387.6	-78.4	-0.2	-42.9	15.0
3644	0.4	C_Mob_ENV	Combination	Min	-49.7	-387.6	-78.4	-0.2	-41.1	21.0
3644	0.7	C_Mob_ENV	Combination	Min	-49.7	-387.6	-78.4	-0.2	-46.1	26.3
3644	1.1	C_Mob_ENV	Combination	Min	-49.7	-387.6	-78.4	-0.2	-55.8	31.2
3645	0.0	C_Mob_ENV	Combination	Max	82.1	134.8	176.3	0.3	39.4	1844.4
3645	0.2	C_Mob_ENV	Combination	Max	82.1	134.8	176.3	0.3	43.8	1873.8
3645	0.0	C_Mob_ENV	Combination	Min	-28.5	-366.0	-148.6	-1.9	-36.2	30.2
3645	0.2	C_Mob_ENV	Combination	Min	-28.5	-366.0	-148.6	-1.9	-39.0	32.0
3646	0.0	C_Mob_ENV	Combination	Max	127.4	92.3	98.5	0.5	43.7	1874.2
3646	0.5	C_Mob_ENV	Combination	Max	127.4	92.3	98.5	0.5	42.7	2007.3
3646	0.9	C_Mob_ENV	Combination	Max	127.4	92.3	98.5	0.5	59.3	2140.4
3646	0.0	C_Mob_ENV	Combination	Min	-104.1	-402.3	-119.8	-0.1	-50.8	32.3
3646	0.5	C_Mob_ENV	Combination	Min	-104.1	-402.3	-119.8	-0.1	-41.6	35.0
3646	0.9	C_Mob_ENV	Combination	Min	-104.1	-402.3	-119.8	-0.1	-48.8	37.7
3647	0.0	C_Mob_ENV	Combination	Max	80.1	113.1	64.8	0.2	36.3	2165.3

3647	0.4	C_Mob_ENV	Combination	Max	80.1	113.1	64.8	0.2	33.9	2248.0
3647	0.7	C_Mob_ENV	Combination	Max	80.1	113.1	64.8	0.2	39.3	2330.7
3647	1.1	C_Mob_ENV	Combination	Max	80.1	113.1	64.8	0.2	44.7	2413.4
3647	0.0	C_Mob_ENV	Combination	Min	-90.3	-366.3	-71.4	-0.2	-33.1	32.5
3647	0.4	C_Mob_ENV	Combination	Min	-90.3	-366.3	-71.4	-0.2	-30.2	33.9
3647	0.7	C_Mob_ENV	Combination	Min	-90.3	-366.3	-71.4	-0.2	-29.5	35.3
3647	1.1	C_Mob_ENV	Combination	Min	-90.3	-366.3	-71.4	-0.2	-34.1	36.8
3648	0.0	C_Mob_ENV	Combination	Max	71.6	142.5	68.2	0.4	38.9	2414.2
3648	0.5	C_Mob_ENV	Combination	Max	71.6	142.5	68.2	0.4	30.9	2490.5
3648	1.0	C_Mob_ENV	Combination	Max	71.6	142.5	68.2	0.4	26.4	2566.7
3648	0.0	C_Mob_ENV	Combination	Min	-73.4	-329.3	-50.8	-0.5	-25.4	32.3
3648	0.5	C_Mob_ENV	Combination	Min	-73.4	-329.3	-50.8	-0.5	-22.7	33.4
3648	1.0	C_Mob_ENV	Combination	Min	-73.4	-329.3	-50.8	-0.5	-28.0	34.6
3649	0.0	C_Mob_ENV	Combination	Max	71.6	142.5	68.2	5.6	26.4	2566.5
3649	0.1	C_Mob_ENV	Combination	Max	71.6	142.5	68.2	5.6	32.4	2595.8
3649	0.0	C_Mob_ENV	Combination	Min	-73.4	-329.3	-50.8	-4.2	-28.0	32.1
3649	0.1	C_Mob_ENV	Combination	Min	-73.4	-329.3	-50.8	-4.2	-36.1	32.4
3650	0.0	C_Mob_ENV	Combination	Max	86.0	173.0	92.0	0.3	58.8	2573.1
3650	0.4	C_Mob_ENV	Combination	Max	86.0	173.0	92.0	0.3	49.9	2614.0
3650	0.7	C_Mob_ENV	Combination	Max	86.0	173.0	92.0	0.3	41.0	2654.9
3650	1.1	C_Mob_ENV	Combination	Max	86.0	173.0	92.0	0.3	38.3	2695.7
3650	0.0	C_Mob_ENV	Combination	Min	-47.1	-297.6	-74.6	-0.4	-43.6	27.4

3650	0.4	C_Mob_ENV	Combination	Min	-47.1	-297.6	-74.6	-0.4	-38.7	28.0
3650	0.7	C_Mob_ENV	Combination	Min	-47.1	-297.6	-74.6	-0.4	-36.7	28.5
3650	1.1	C_Mob_ENV	Combination	Min	-47.1	-297.6	-74.6	-0.4	-43.4	29.1
3651	0.0	C_Mob_ENV	Combination	Max	102.9	201.1	142.5	0.1	67.9	2662.4
3651	0.4	C_Mob_ENV	Combination	Max	102.9	201.1	142.5	0.1	50.5	2688.0
3651	0.8	C_Mob_ENV	Combination	Max	102.9	201.1	142.5	0.1	52.8	2713.5
3651	0.0	C_Mob_ENV	Combination	Min	-25.0	-275.5	-125.8	-0.9	-55.9	26.1
3651	0.4	C_Mob_ENV	Combination	Min	-25.0	-275.5	-125.8	-0.9	-45.2	26.5
3651	0.8	C_Mob_ENV	Combination	Min	-25.0	-275.5	-125.8	-0.9	-50.0	26.8
3652	0.0	C_Mob_ENV	Combination	Max	155.2	172.0	161.6	2.2	50.5	2714.5
3652	0.3	C_Mob_ENV	Combination	Max	155.2	172.0	161.6	2.2	39.2	2761.7
3652	0.0	C_Mob_ENV	Combination	Min	-109.8	-308.3	-169.6	-0.3	-48.9	27.0
3652	0.3	C_Mob_ENV	Combination	Min	-109.8	-308.3	-169.6	-0.3	-43.2	26.7
3653	0.0	C_Mob_ENV	Combination	Max	111.4	189.2	91.6	0.3	49.7	2775.6
3653	0.4	C_Mob_ENV	Combination	Max	111.4	189.2	91.6	0.3	47.2	2806.9
3653	0.7	C_Mob_ENV	Combination	Max	111.4	189.2	91.6	0.3	54.1	2838.3
3653	1.1	C_Mob_ENV	Combination	Max	111.4	189.2	91.6	0.3	64.7	2869.7
3653	0.0	C_Mob_ENV	Combination	Min	-91.1	-282.0	-109.3	-0.4	-54.0	24.8
3653	0.4	C_Mob_ENV	Combination	Min	-91.1	-282.0	-109.3	-0.4	-46.1	24.3
3653	0.7	C_Mob_ENV	Combination	Min	-91.1	-282.0	-109.3	-0.4	-46.0	23.7
3653	1.1	C_Mob_ENV	Combination	Min	-91.1	-282.0	-109.3	-0.4	-50.4	23.2
3654	0.0	C_Mob_ENV	Combination	Max	83.1	212.6	63.0	0.2	39.9	2890.0

3654	0.4	C_Mob_ENV	Combination	Max	83.1	212.6	63.0	0.2	38.6	2902.3
3654	0.8	C_Mob_ENV	Combination	Max	83.1	212.6	63.0	0.2	43.6	2914.5
3654	1.1	C_Mob_ENV	Combination	Max	83.1	212.6	63.0	0.2	48.6	2926.8
3654	0.0	C_Mob_ENV	Combination	Min	-78.2	-247.8	-65.7	-0.4	-29.5	22.4
3654	0.4	C_Mob_ENV	Combination	Min	-78.2	-247.8	-65.7	-0.4	-27.6	21.6
3654	0.8	C_Mob_ENV	Combination	Min	-78.2	-247.8	-65.7	-0.4	-29.4	20.8
3654	1.1	C_Mob_ENV	Combination	Min	-78.2	-247.8	-65.7	-0.4	-33.3	19.9
3655	0.0	C_Mob_ENV	Combination	Max	79.8	245.3	73.5	0.1	49.4	2920.8
3655	0.4	C_Mob_ENV	Combination	Max	79.8	245.3	73.5	0.1	43.9	2909.8
3655	0.8	C_Mob_ENV	Combination	Max	79.8	245.3	73.5	0.1	39.0	2898.8
3655	1.1	C_Mob_ENV	Combination	Max	79.8	245.3	73.5	0.1	34.1	2887.8
3655	0.0	C_Mob_ENV	Combination	Min	-61.6	-214.5	-53.0	-0.5	-33.5	20.2
3655	0.4	C_Mob_ENV	Combination	Min	-61.6	-214.5	-53.0	-0.5	-29.6	18.6
3655	0.8	C_Mob_ENV	Combination	Min	-61.6	-214.5	-53.0	-0.5	-27.4	17.1
3655	1.1	C_Mob_ENV	Combination	Min	-61.6	-214.5	-53.0	-0.5	-36.2	15.5
3656	0.0	C_Mob_ENV	Combination	Max	95.2	279.0	109.5	0.2	65.0	2857.9
3656	0.4	C_Mob_ENV	Combination	Max	95.2	279.0	109.5	0.2	54.5	2829.5
3656	0.7	C_Mob_ENV	Combination	Max	95.2	279.0	109.5	0.2	47.5	2801.1
3656	1.1	C_Mob_ENV	Combination	Max	95.2	279.0	109.5	0.2	50.2	2772.7
3656	0.0	C_Mob_ENV	Combination	Min	-33.0	-191.4	-92.6	-0.6	-50.9	15.8
3656	0.4	C_Mob_ENV	Combination	Min	-33.0	-191.4	-92.6	-0.6	-46.4	14.3
3656	0.7	C_Mob_ENV	Combination	Min	-33.0	-191.4	-92.6	-0.6	-46.3	12.7

3656	1.1	C_Mob_ENV	Combination	Min	-33.0	-191.4	-92.6	-0.6	-54.2	11.2
3657	0.0	C_Mob_ENV	Combination	Max	100.0	305.9	169.9	0.2	37.7	2753.5
3657	0.3	C_Mob_ENV	Combination	Max	100.0	305.9	169.9	0.2	48.4	2709.5
3657	0.0	C_Mob_ENV	Combination	Min	-24.9	-175.3	-161.0	-2.5	-45.3	12.0
3657	0.3	C_Mob_ENV	Combination	Min	-24.9	-175.3	-161.0	-2.5	-48.6	10.8
3658	0.0	C_Mob_ENV	Combination	Max	146.1	274.2	125.5	0.6	53.4	2710.4
3658	0.4	C_Mob_ENV	Combination	Max	146.1	274.2	125.5	0.6	50.5	2689.1
3658	0.8	C_Mob_ENV	Combination	Max	146.1	274.2	125.5	0.6	67.6	2667.8
3658	0.0	C_Mob_ENV	Combination	Min	-98.0	-204.2	-140.9	-0.3	-48.7	10.9
3658	0.4	C_Mob_ENV	Combination	Min	-98.0	-204.2	-140.9	-0.3	-43.9	8.8
3658	0.8	C_Mob_ENV	Combination	Min	-98.0	-204.2	-140.9	-0.3	-53.8	6.7
3659	0.0	C_Mob_ENV	Combination	Max	97.2	296.1	73.5	0.2	37.7	2692.0
3659	0.4	C_Mob_ENV	Combination	Max	97.2	296.1	73.5	0.2	40.4	2653.9
3659	0.7	C_Mob_ENV	Combination	Max	97.2	296.1	73.5	0.2	49.3	2615.9
3659	1.1	C_Mob_ENV	Combination	Max	97.2	296.1	73.5	0.2	58.2	2577.9
3659	0.0	C_Mob_ENV	Combination	Min	-89.0	-176.9	-91.3	-0.5	-41.6	8.4
3659	0.4	C_Mob_ENV	Combination	Min	-89.0	-176.9	-91.3	-0.5	-36.6	6.4
3659	0.7	C_Mob_ENV	Combination	Min	-89.0	-176.9	-91.3	-0.5	-38.4	4.4
3659	1.1	C_Mob_ENV	Combination	Min	-89.0	-176.9	-91.3	-0.5	-43.2	2.5
3660	0.0	C_Mob_ENV	Combination	Max	72.0	326.5	58.2	4.7	35.1	2587.6
3660	0.1	C_Mob_ENV	Combination	Max	72.0	326.5	58.2	4.7	28.2	2558.9
3660	0.0	C_Mob_ENV	Combination	Min	-81.0	-146.6	-58.1	-4.9	-29.5	5.3

3660	0.1	C_Mob_ENV	Combination	Min	-81.0	-146.6	-58.1	-4.9	-22.6	4.6
3661	0.0	C_Mob_ENV	Combination	Max	72.0	326.5	58.2	0.4	28.2	2558.0
3661	0.5	C_Mob_ENV	Combination	Max	72.0	326.5	58.2	0.4	30.7	2486.0
3661	1.0	C_Mob_ENV	Combination	Max	72.0	326.5	58.2	0.4	35.5	2414.0
3661	0.0	C_Mob_ENV	Combination	Min	-81.0	-146.6	-58.1	-0.6	-22.6	6.9
3661	0.5	C_Mob_ENV	Combination	Min	-81.0	-146.6	-58.1	-0.6	-22.6	4.1
3661	1.0	C_Mob_ENV	Combination	Min	-81.0	-146.6	-58.1	-0.6	-28.2	1.3
3662	0.0	C_Mob_ENV	Combination	Max	75.6	361.7	72.5	0.1	44.5	2397.1
3662	0.4	C_Mob_ENV	Combination	Max	75.6	361.7	72.5	0.1	39.4	2317.9
3662	0.7	C_Mob_ENV	Combination	Max	75.6	361.7	72.5	0.1	34.4	2238.7
3662	1.1	C_Mob_ENV	Combination	Max	75.6	361.7	72.5	0.1	29.7	2159.4
3662	0.0	C_Mob_ENV	Combination	Min	-63.9	-117.3	-58.3	-0.4	-33.8	3.4
3662	0.4	C_Mob_ENV	Combination	Min	-63.9	-117.3	-58.3	-0.4	-29.9	1.2
3662	0.7	C_Mob_ENV	Combination	Min	-63.9	-117.3	-58.3	-0.4	-30.1	-1.0
3662	1.1	C_Mob_ENV	Combination	Min	-63.9	-117.3	-58.3	-0.4	-35.3	-3.1
3663	0.0	C_Mob_ENV	Combination	Max	92.5	396.9	119.6	0.1	59.2	2123.6
3663	0.5	C_Mob_ENV	Combination	Max	92.5	396.9	119.6	0.1	42.5	1996.4
3663	0.9	C_Mob_ENV	Combination	Max	92.5	396.9	119.6	0.1	43.2	1869.2
3663	0.0	C_Mob_ENV	Combination	Min	-43.7	-97.7	-99.0	-0.6	-50.3	-1.0
3663	0.5	C_Mob_ENV	Combination	Min	-43.7	-97.7	-99.0	-0.6	-42.4	-3.9
3663	0.9	C_Mob_ENV	Combination	Min	-43.7	-97.7	-99.0	-0.6	-50.8	-6.7
3664	0.0	C_Mob_ENV	Combination	Max	155.9	363.4	148.0	1.7	46.3	1870.3

3664	0.2	C_Mob_ENV	Combination	Max	155.9	363.4	148.0	1.7	43.0	1844.9
3664	0.0	C_Mob_ENV	Combination	Min	-124.0	-141.1	-174.1	-0.3	-38.2	-6.6
3664	0.2	C_Mob_ENV	Combination	Min	-124.0	-141.1	-174.1	-0.3	-36.0	-7.8
3665	0.0	C_Mob_ENV	Combination	Max	108.5	384.7	77.4	0.2	41.3	1846.5
3665	0.4	C_Mob_ENV	Combination	Max	108.5	384.7	77.4	0.2	40.6	1757.9
3665	0.7	C_Mob_ENV	Combination	Max	108.5	384.7	77.4	0.2	48.8	1669.3
3665	1.1	C_Mob_ENV	Combination	Max	108.5	384.7	77.4	0.2	59.5	1580.7
3665	0.0	C_Mob_ENV	Combination	Min	-105.1	-114.8	-106.1	-0.3	-55.5	-5.7
3665	0.4	C_Mob_ENV	Combination	Min	-105.1	-114.8	-106.1	-0.3	-45.8	-8.2
3665	0.7	C_Mob_ENV	Combination	Min	-105.1	-114.8	-106.1	-0.3	-40.7	-10.8
3665	1.1	C_Mob_ENV	Combination	Min	-105.1	-114.8	-106.1	-0.3	-42.4	-13.3
3666	0.0	C_Mob_ENV	Combination	Max	63.7	416.5	56.3	0.1	32.1	1592.8
3666	0.4	C_Mob_ENV	Combination	Max	63.7	416.5	56.3	0.1	33.2	1484.9
3666	0.7	C_Mob_ENV	Combination	Max	63.7	416.5	56.3	0.1	37.5	1376.9
3666	1.1	C_Mob_ENV	Combination	Max	63.7	416.5	56.3	0.1	41.7	1268.9
3666	0.0	C_Mob_ENV	Combination	Min	-92.4	-75.6	-68.5	-0.3	-33.9	-11.4
3666	0.4	C_Mob_ENV	Combination	Min	-92.4	-75.6	-68.5	-0.3	-30.7	-14.0
3666	0.7	C_Mob_ENV	Combination	Min	-92.4	-75.6	-68.5	-0.3	-27.5	-16.6
3666	1.1	C_Mob_ENV	Combination	Min	-92.4	-75.6	-68.5	-0.3	-28.9	-19.2
3667	0.0	C_Mob_ENV	Combination	Max	45.2	463.1	67.9	0.1	38.8	1262.0
3667	0.4	C_Mob_ENV	Combination	Max	45.2	463.1	67.9	0.1	35.1	1124.3
3667	0.7	C_Mob_ENV	Combination	Max	45.2	463.1	67.9	0.1	32.2	986.7

3667	1.1	C_Mob_ENV	Combination	Max	45.2	463.1	67.9	0.1	29.2	849.1
3667	0.0	C_Mob_ENV	Combination	Min	-78.7	-27.3	-50.1	-0.4	-25.3	-17.4
3667	0.4	C_Mob_ENV	Combination	Min	-78.7	-27.3	-50.1	-0.4	-27.6	-20.1
3667	0.7	C_Mob_ENV	Combination	Min	-78.7	-27.3	-50.1	-0.4	-30.0	-22.8
3667	1.1	C_Mob_ENV	Combination	Min	-78.7	-27.3	-50.1	-0.4	-34.8	-25.5
3668	0.0	C_Mob_ENV	Combination	Max	29.2	523.5	92.2	0.2	52.3	826.2
3668	0.4	C_Mob_ENV	Combination	Max	29.2	523.5	92.2	0.2	41.4	653.5
3668	0.7	C_Mob_ENV	Combination	Max	29.2	523.5	92.2	0.2	30.6	480.8
3668	1.1	C_Mob_ENV	Combination	Max	29.2	523.5	92.2	0.2	23.0	308.0
3668	0.0	C_Mob_ENV	Combination	Min	-57.0	-0.3	-43.5	-0.4	-24.2	-26.2
3668	0.4	C_Mob_ENV	Combination	Min	-57.0	-0.3	-43.5	-0.4	-28.0	-32.0
3668	0.7	C_Mob_ENV	Combination	Min	-57.0	-0.3	-43.5	-0.4	-37.7	-37.9
3668	1.1	C_Mob_ENV	Combination	Min	-57.0	-0.3	-43.5	-0.4	-47.4	-43.7
3669	0.0	C_Mob_ENV	Combination	Max	17.0	596.5	147.9	0.2	44.5	275.3
3669	0.5	C_Mob_ENV	Combination	Max	17.0	596.5	147.9	0.2	13.2	21.5
3669	0.0	C_Mob_ENV	Combination	Min	-53.0	2.8	-51.7	-0.6	-21.7	-34.0
3669	0.5	C_Mob_ENV	Combination	Min	-53.0	2.8	-51.7	-0.6	-36.0	-83.9
3670	0.0	C_Mob_ENV	Combination	Max	6.9	3.8	51.9	0.3	10.3	24.5
3670	0.5	C_Mob_ENV	Combination	Max	6.9	3.8	51.9	0.3	5.1	185.6
3670	0.0	C_Mob_ENV	Combination	Min	-25.1	-376.2	-14.1	-0.2	-13.1	-35.9
3670	0.5	C_Mob_ENV	Combination	Min	-25.1	-376.2	-14.1	-0.2	-24.0	-16.3
3671	0.0	C_Mob_ENV	Combination	Max	18.0	6.7	29.5	0.3	15.2	201.2

3671	0.4	C_Mob_ENV	Combination	Max	18.0	6.7	29.5	0.3	11.6	315.7
3671	0.7	C_Mob_ENV	Combination	Max	18.0	6.7	29.5	0.3	9.3	430.1
3671	1.1	C_Mob_ENV	Combination	Max	18.0	6.7	29.5	0.3	7.5	544.6
3671	0.0	C_Mob_ENV	Combination	Min	-35.5	-340.4	-12.9	-0.2	-6.6	-19.7
3671	0.4	C_Mob_ENV	Combination	Min	-35.5	-340.4	-12.9	-0.2	-9.1	-20.1
3671	0.7	C_Mob_ENV	Combination	Min	-35.5	-340.4	-12.9	-0.2	-12.6	-20.4
3671	1.1	C_Mob_ENV	Combination	Min	-35.5	-340.4	-12.9	-0.2	-16.7	-20.7
3672	0.0	C_Mob_ENV	Combination	Max	29.5	22.6	20.9	0.3	12.7	553.5
3672	0.4	C_Mob_ENV	Combination	Max	29.5	22.6	20.9	0.3	11.5	652.4
3672	0.7	C_Mob_ENV	Combination	Max	29.5	22.6	20.9	0.3	10.3	751.3
3672	1.1	C_Mob_ENV	Combination	Max	29.5	22.6	20.9	0.3	9.1	850.1
3672	0.0	C_Mob_ENV	Combination	Min	-52.9	-309.8	-15.6	-0.1	-8.1	-20.3
3672	0.4	C_Mob_ENV	Combination	Min	-52.9	-309.8	-15.6	-0.1	-9.2	-20.6
3672	0.7	C_Mob_ENV	Combination	Min	-52.9	-309.8	-15.6	-0.1	-10.4	-20.9
3672	1.1	C_Mob_ENV	Combination	Min	-52.9	-309.8	-15.6	-0.1	-11.6	-21.2
3673	0.0	C_Mob_ENV	Combination	Max	41.8	44.1	29.8	0.3	18.4	854.2
3673	0.4	C_Mob_ENV	Combination	Max	41.8	44.1	29.8	0.3	15.7	938.2
3673	0.7	C_Mob_ENV	Combination	Max	41.8	44.1	29.8	0.3	12.9	1022.3
3673	1.1	C_Mob_ENV	Combination	Max	41.8	44.1	29.8	0.3	12.0	1106.3
3673	0.0	C_Mob_ENV	Combination	Min	-69.1	-283.1	-22.5	-0.1	-12.5	-20.7
3673	0.4	C_Mob_ENV	Combination	Min	-69.1	-283.1	-22.5	-0.1	-12.5	-21.1
3673	0.7	C_Mob_ENV	Combination	Min	-69.1	-283.1	-22.5	-0.1	-13.2	-21.4

3673	1.1	C_Mob_ENV	Combination	Min	-69.1	-283.1	-22.5	-0.1	-14.0	-21.8
3674	0.0	C_Mob_ENV	Combination	Max	55.1	60.4	53.1	0.3	29.5	1105.2
3674	0.4	C_Mob_ENV	Combination	Max	55.1	60.4	53.1	0.3	25.7	1176.9
3674	0.7	C_Mob_ENV	Combination	Max	55.1	60.4	53.1	0.3	21.9	1248.6
3674	1.1	C_Mob_ENV	Combination	Max	55.1	60.4	53.1	0.3	22.6	1320.4
3674	0.0	C_Mob_ENV	Combination	Min	-88.4	-260.8	-37.8	-0.2	-18.5	-21.7
3674	0.4	C_Mob_ENV	Combination	Min	-88.4	-260.8	-37.8	-0.2	-20.8	-22.0
3674	0.7	C_Mob_ENV	Combination	Min	-88.4	-260.8	-37.8	-0.2	-24.6	-22.3
3674	1.1	C_Mob_ENV	Combination	Min	-88.4	-260.8	-37.8	-0.2	-28.4	-22.6
3675	0.0	C_Mob_ENV	Combination	Max	65.8	71.2	101.2	1.3	26.8	1319.1
3675	0.2	C_Mob_ENV	Combination	Max	65.8	71.2	101.2	1.3	30.0	1343.0
3675	0.0	C_Mob_ENV	Combination	Min	-107.3	-244.3	-67.4	-0.3	-16.4	-22.5
3675	0.2	C_Mob_ENV	Combination	Min	-107.3	-244.3	-67.4	-0.3	-28.0	-22.6
3676	0.0	C_Mob_ENV	Combination	Max	64.7	49.1	42.7	0.2	18.6	1342.5
3676	0.5	C_Mob_ENV	Combination	Max	64.7	49.1	42.7	0.2	23.4	1418.0
3676	0.9	C_Mob_ENV	Combination	Max	64.7	49.1	42.7	0.2	31.1	1493.5
3676	0.0	C_Mob_ENV	Combination	Min	-56.5	-245.1	-62.7	-0.3	-27.8	-22.6
3676	0.5	C_Mob_ENV	Combination	Min	-56.5	-245.1	-62.7	-0.3	-22.9	-22.7
3676	0.9	C_Mob_ENV	Combination	Min	-56.5	-245.1	-62.7	-0.3	-20.6	-22.8
3677	0.0	C_Mob_ENV	Combination	Max	60.9	59.3	23.7	0.2	13.7	1497.7
3677	0.4	C_Mob_ENV	Combination	Max	60.9	59.3	23.7	0.2	14.3	1549.6
3677	0.7	C_Mob_ENV	Combination	Max	60.9	59.3	23.7	0.2	17.9	1601.5

3677	1.1	C_Mob_ENV	Combination	Max	60.9	59.3	23.7	0.2	21.5	1653.3
3677	0.0	C_Mob_ENV	Combination	Min	-52.7	-227.4	-33.6	-0.1	-15.3	-22.5
3677	0.4	C_Mob_ENV	Combination	Min	-52.7	-227.4	-33.6	-0.1	-14.2	-22.6
3677	0.7	C_Mob_ENV	Combination	Min	-52.7	-227.4	-33.6	-0.1	-13.1	-22.6
3677	1.1	C_Mob_ENV	Combination	Min	-52.7	-227.4	-33.6	-0.1	-12.5	-22.6
3678	0.0	C_Mob_ENV	Combination	Max	62.8	72.7	21.3	0.2	14.7	1655.2
3678	0.5	C_Mob_ENV	Combination	Max	62.8	72.7	21.3	0.2	12.4	1712.0
3678	1.0	C_Mob_ENV	Combination	Max	62.8	72.7	21.3	0.2	11.0	1768.9
3678	0.0	C_Mob_ENV	Combination	Min	-59.0	-207.7	-17.4	-0.2	-8.6	-22.4
3678	0.5	C_Mob_ENV	Combination	Min	-59.0	-207.7	-17.4	-0.2	-8.3	-22.4
3678	1.0	C_Mob_ENV	Combination	Min	-59.0	-207.7	-17.4	-0.2	-8.1	-22.4
3679	0.0	C_Mob_ENV	Combination	Max	62.8	72.7	21.3	1.8	11.0	1770.9
3679	0.1	C_Mob_ENV	Combination	Max	62.8	72.7	21.3	1.8	13.0	1790.4
3679	0.0	C_Mob_ENV	Combination	Min	-59.0	-207.7	-17.4	-1.4	-8.1	-22.3
3679	0.1	C_Mob_ENV	Combination	Min	-59.0	-207.7	-17.4	-1.4	-10.2	-22.3
3680	0.0	C_Mob_ENV	Combination	Max	70.7	86.1	45.9	0.3	29.3	1787.8
3680	0.4	C_Mob_ENV	Combination	Max	70.7	86.1	45.9	0.3	24.5	1823.7
3680	0.7	C_Mob_ENV	Combination	Max	70.7	86.1	45.9	0.3	19.7	1859.6
3680	1.1	C_Mob_ENV	Combination	Max	70.7	86.1	45.9	0.3	19.8	1895.5
3680	0.0	C_Mob_ENV	Combination	Min	-70.8	-188.6	-31.5	-0.4	-15.5	-22.0
3680	0.4	C_Mob_ENV	Combination	Min	-70.8	-188.6	-31.5	-0.4	-17.6	-22.0
3680	0.7	C_Mob_ENV	Combination	Min	-70.8	-188.6	-31.5	-0.4	-19.8	-22.0

3680	1.1	C_Mob_ENV	Combination	Min	-70.8	-188.6	-31.5	-0.4	-21.9	-22.0
3681	0.0	C_Mob_ENV	Combination	Max	81.6	99.1	83.3	0.5	36.1	1891.9
3681	0.4	C_Mob_ENV	Combination	Max	81.6	99.1	83.3	0.5	27.6	1918.6
3681	0.8	C_Mob_ENV	Combination	Max	81.6	99.1	83.3	0.5	26.0	1945.3
3681	0.0	C_Mob_ENV	Combination	Min	-90.1	-172.7	-51.6	-0.1	-18.2	-21.8
3681	0.4	C_Mob_ENV	Combination	Min	-90.1	-172.7	-51.6	-0.1	-27.0	-21.8
3681	0.8	C_Mob_ENV	Combination	Min	-90.1	-172.7	-51.6	-0.1	-35.9	-21.7
3682	0.0	C_Mob_ENV	Combination	Max	87.0	96.5	63.8	0.6	20.7	1944.5
3682	0.3	C_Mob_ENV	Combination	Max	87.0	96.5	63.8	0.6	15.7	1966.2
3682	0.0	C_Mob_ENV	Combination	Min	-45.4	-174.4	-110.1	-1.9	-34.7	-21.7
3682	0.3	C_Mob_ENV	Combination	Min	-45.4	-174.4	-110.1	-1.9	-12.2	-21.5
3683	0.0	C_Mob_ENV	Combination	Max	78.2	109.0	38.9	0.2	25.2	1965.0
3683	0.4	C_Mob_ENV	Combination	Max	78.2	109.0	38.9	0.2	24.9	1976.2
3683	0.7	C_Mob_ENV	Combination	Max	78.2	109.0	38.9	0.2	30.2	1987.5
3683	1.1	C_Mob_ENV	Combination	Max	78.2	109.0	38.9	0.2	35.5	1998.8
3683	0.0	C_Mob_ENV	Combination	Min	-41.3	-160.9	-62.3	-0.3	-33.2	-21.4
3683	0.4	C_Mob_ENV	Combination	Min	-41.3	-160.9	-62.3	-0.3	-28.1	-21.2
3683	0.7	C_Mob_ENV	Combination	Min	-41.3	-160.9	-62.3	-0.3	-22.9	-21.0
3683	1.1	C_Mob_ENV	Combination	Min	-41.3	-160.9	-62.3	-0.3	-17.9	-20.8
3684	0.0	C_Mob_ENV	Combination	Max	68.1	124.4	22.2	0.2	15.0	1999.9
3684	0.4	C_Mob_ENV	Combination	Max	68.1	124.4	22.2	0.2	15.9	2003.9
3684	0.8	C_Mob_ENV	Combination	Max	68.1	124.4	22.2	0.2	19.2	2007.9

3684	1.1	C_Mob_ENV	Combination	Max	68.1	124.4	22.2	0.2	23.1	2011.9
3684	0.0	C_Mob_ENV	Combination	Min	-43.2	-143.8	-29.9	-0.3	-13.3	-20.7
3684	0.4	C_Mob_ENV	Combination	Min	-43.2	-143.8	-29.9	-0.3	-13.1	-20.5
3684	0.8	C_Mob_ENV	Combination	Min	-43.2	-143.8	-29.9	-0.3	-12.9	-20.3
3684	1.1	C_Mob_ENV	Combination	Min	-43.2	-143.8	-29.9	-0.3	-12.6	-20.1
3685	0.0	C_Mob_ENV	Combination	Max	65.5	142.5	29.8	0.1	22.5	2012.5
3685	0.4	C_Mob_ENV	Combination	Max	65.5	142.5	29.8	0.1	18.9	2009.0
3685	0.8	C_Mob_ENV	Combination	Max	65.5	142.5	29.8	0.1	15.9	2005.5
3685	1.1	C_Mob_ENV	Combination	Max	65.5	142.5	29.8	0.1	15.4	2002.0
3685	0.0	C_Mob_ENV	Combination	Min	-55.7	-125.3	-22.3	-0.4	-12.3	-20.0
3685	0.4	C_Mob_ENV	Combination	Min	-55.7	-125.3	-22.3	-0.4	-12.6	-20.3
3685	0.8	C_Mob_ENV	Combination	Min	-55.7	-125.3	-22.3	-0.4	-12.9	-20.5
3685	1.1	C_Mob_ENV	Combination	Min	-55.7	-125.3	-22.3	-0.4	-13.2	-20.8
3686	0.0	C_Mob_ENV	Combination	Max	69.8	159.6	61.1	0.1	34.3	2001.7
3686	0.4	C_Mob_ENV	Combination	Max	69.8	159.6	61.1	0.1	29.4	1990.2
3686	0.7	C_Mob_ENV	Combination	Max	69.8	159.6	61.1	0.1	24.5	1978.8
3686	1.1	C_Mob_ENV	Combination	Max	69.8	159.6	61.1	0.1	25.2	1967.3
3686	0.0	C_Mob_ENV	Combination	Min	-77.6	-109.2	-38.9	-0.4	-17.7	-20.5
3686	0.4	C_Mob_ENV	Combination	Min	-77.6	-109.2	-38.9	-0.4	-22.7	-20.8
3686	0.7	C_Mob_ENV	Combination	Min	-77.6	-109.2	-38.9	-0.4	-27.9	-21.2
3686	1.1	C_Mob_ENV	Combination	Min	-77.6	-109.2	-38.9	-0.4	-33.0	-21.5
3687	0.0	C_Mob_ENV	Combination	Max	73.0	173.1	109.9	1.7	15.2	1968.8

3687	0.3	C_Mob_ENV	Combination	Max	73.0	173.1	109.9	1.7	20.4	1946.8
3687	0.0	C_Mob_ENV	Combination	Min	-100.4	-96.4	-63.7	-0.7	-14.6	-21.4
3687	0.3	C_Mob_ENV	Combination	Min	-100.4	-96.4	-63.7	-0.7	-36.5	-21.6
3688	0.0	C_Mob_ENV	Combination	Max	72.5	172.9	50.6	0.1	25.2	1945.9
3688	0.4	C_Mob_ENV	Combination	Max	72.5	172.9	50.6	0.1	28.4	1918.2
3688	0.8	C_Mob_ENV	Combination	Max	72.5	172.9	50.6	0.1	38.0	1890.5
3688	0.0	C_Mob_ENV	Combination	Min	-48.1	-100.2	-84.7	-0.7	-35.7	-21.5
3688	0.4	C_Mob_ENV	Combination	Min	-48.1	-100.2	-84.7	-0.7	-27.1	-21.8
3688	0.8	C_Mob_ENV	Combination	Min	-48.1	-100.2	-84.7	-0.7	-18.4	-22.1
3689	0.0	C_Mob_ENV	Combination	Max	61.2	188.2	30.9	0.2	19.1	1892.5
3689	0.4	C_Mob_ENV	Combination	Max	61.2	188.2	30.9	0.2	19.8	1856.5
3689	0.7	C_Mob_ENV	Combination	Max	61.2	188.2	30.9	0.2	24.9	1820.4
3689	1.1	C_Mob_ENV	Combination	Max	61.2	188.2	30.9	0.2	30.0	1784.3
3689	0.0	C_Mob_ENV	Combination	Min	-44.9	-87.1	-46.7	-0.4	-22.1	-22.0
3689	0.4	C_Mob_ENV	Combination	Min	-44.9	-87.1	-46.7	-0.4	-19.9	-22.2
3689	0.7	C_Mob_ENV	Combination	Min	-44.9	-87.1	-46.7	-0.4	-17.7	-22.4
3689	1.1	C_Mob_ENV	Combination	Min	-44.9	-87.1	-46.7	-0.4	-15.6	-22.6
3690	0.0	C_Mob_ENV	Combination	Max	52.9	206.4	18.6	1.5	12.6	1784.7
3690	0.1	C_Mob_ENV	Combination	Max	52.9	206.4	18.6	1.5	10.6	1765.5
3690	0.0	C_Mob_ENV	Combination	Min	-56.0	-72.3	-21.3	-1.9	-10.3	-22.5
3690	0.1	C_Mob_ENV	Combination	Min	-56.0	-72.3	-21.3	-1.9	-8.1	-22.6
3691	0.0	C_Mob_ENV	Combination	Max	52.9	206.4	18.6	0.1	10.6	1764.5

3691	0.5	C_Mob_ENV	Combination	Max	52.9	206.4	18.6	0.1	12.4	1707.9
3691	1.0	C_Mob_ENV	Combination	Max	52.9	206.4	18.6	0.1	15.0	1651.2
3691	0.0	C_Mob_ENV	Combination	Min	-56.0	-72.3	-21.3	-0.3	-8.1	-22.8
3691	0.5	C_Mob_ENV	Combination	Min	-56.0	-72.3	-21.3	-0.3	-8.4	-23.0
3691	1.0	C_Mob_ENV	Combination	Min	-56.0	-72.3	-21.3	-0.3	-9.5	-23.2
3692	0.0	C_Mob_ENV	Combination	Max	51.5	225.3	33.2	0.1	21.0	1648.9
3692	0.4	C_Mob_ENV	Combination	Max	51.5	225.3	33.2	0.1	17.6	1597.3
3692	0.7	C_Mob_ENV	Combination	Max	51.5	225.3	33.2	0.1	14.1	1545.8
3692	1.1	C_Mob_ENV	Combination	Max	51.5	225.3	33.2	0.1	13.6	1494.2
3692	0.0	C_Mob_ENV	Combination	Min	-72.7	-58.5	-23.4	-0.3	-12.2	-23.0
3692	0.4	C_Mob_ENV	Combination	Min	-72.7	-58.5	-23.4	-0.3	-12.9	-23.1
3692	0.7	C_Mob_ENV	Combination	Min	-72.7	-58.5	-23.4	-0.3	-14.1	-23.2
3692	1.1	C_Mob_ENV	Combination	Min	-72.7	-58.5	-23.4	-0.3	-15.3	-23.3
3693	0.0	C_Mob_ENV	Combination	Max	60.9	242.6	62.7	0.2	29.8	1491.6
3693	0.5	C_Mob_ENV	Combination	Max	60.9	242.6	62.7	0.2	22.7	1415.8
3693	0.9	C_Mob_ENV	Combination	Max	60.9	242.6	62.7	0.2	18.0	1340.0
3693	0.0	C_Mob_ENV	Combination	Min	-97.6	-47.6	-41.5	-0.2	-20.3	-23.1
3693	0.5	C_Mob_ENV	Combination	Min	-97.6	-47.6	-41.5	-0.2	-23.1	-23.2
3693	0.9	C_Mob_ENV	Combination	Min	-97.6	-47.6	-41.5	-0.2	-28.6	-23.2
3694	0.0	C_Mob_ENV	Combination	Max	62.4	245.3	63.0	0.3	28.4	1339.3
3694	0.2	C_Mob_ENV	Combination	Max	62.4	245.3	63.0	0.3	25.9	1314.7
3694	0.0	C_Mob_ENV	Combination	Min	-49.2	-69.4	-103.6	-1.4	-26.5	-23.2

3694	0.2	C_Mob_ENV	Combination	Min	-49.2	-69.4	-103.6	-1.4	-14.0	-23.2
3695	0.0	C_Mob_ENV	Combination	Max	56.2	261.3	35.1	0.1	20.7	1313.9
3695	0.4	C_Mob_ENV	Combination	Max	56.2	261.3	35.1	0.1	21.8	1241.0
3695	0.7	C_Mob_ENV	Combination	Max	56.2	261.3	35.1	0.1	26.3	1168.2
3695	1.1	C_Mob_ENV	Combination	Max	56.2	261.3	35.1	0.1	30.8	1095.4
3695	0.0	C_Mob_ENV	Combination	Min	-58.0	-58.0	-54.5	-0.3	-28.7	-23.3
3695	0.4	C_Mob_ENV	Combination	Min	-58.0	-58.0	-54.5	-0.3	-24.8	-23.2
3695	0.7	C_Mob_ENV	Combination	Min	-58.0	-58.0	-54.5	-0.3	-20.8	-23.2
3695	1.1	C_Mob_ENV	Combination	Min	-58.0	-58.0	-54.5	-0.3	-17.7	-23.1
3696	0.0	C_Mob_ENV	Combination	Max	45.2	282.0	22.5	0.1	11.8	1092.5
3696	0.4	C_Mob_ENV	Combination	Max	45.2	282.0	22.5	0.1	12.8	1008.3
3696	0.7	C_Mob_ENV	Combination	Max	45.2	282.0	22.5	0.1	15.9	924.0
3696	1.1	C_Mob_ENV	Combination	Max	45.2	282.0	22.5	0.1	19.0	839.8
3696	0.0	C_Mob_ENV	Combination	Min	-53.5	-41.7	-30.2	-0.3	-14.0	-23.3
3696	0.4	C_Mob_ENV	Combination	Min	-53.5	-41.7	-30.2	-0.3	-13.2	-23.2
3696	0.7	C_Mob_ENV	Combination	Min	-53.5	-41.7	-30.2	-0.3	-12.4	-23.1
3696	1.1	C_Mob_ENV	Combination	Min	-53.5	-41.7	-30.2	-0.3	-12.7	-23.0
3697	0.0	C_Mob_ENV	Combination	Max	39.1	306.6	19.2	0.1	10.2	835.1
3697	0.4	C_Mob_ENV	Combination	Max	39.1	306.6	19.2	0.1	10.1	737.1
3697	0.7	C_Mob_ENV	Combination	Max	39.1	306.6	19.2	0.1	11.4	639.1
3697	1.1	C_Mob_ENV	Combination	Max	39.1	306.6	19.2	0.1	12.7	541.1
3697	0.0	C_Mob_ENV	Combination	Min	-47.8	-20.8	-20.4	-0.3	-11.3	-23.3

3697	0.4	C_Mob_ENV	Combination	Min	-47.8	-20.8	-20.4	-0.3	-10.4	-23.1
3697	0.7	C_Mob_ENV	Combination	Min	-47.8	-20.8	-20.4	-0.3	-9.6	-22.9
3697	1.1	C_Mob_ENV	Combination	Min	-47.8	-20.8	-20.4	-0.3	-10.7	-22.7
3698	0.0	C_Mob_ENV	Combination	Max	31.4	335.0	15.1	0.1	8.0	534.6
3698	0.4	C_Mob_ENV	Combination	Max	31.4	335.0	15.1	0.1	8.8	422.2
3698	0.7	C_Mob_ENV	Combination	Max	31.4	335.0	15.1	0.1	11.0	309.7
3698	1.1	C_Mob_ENV	Combination	Max	31.4	335.0	15.1	0.1	14.3	197.2
3698	0.0	C_Mob_ENV	Combination	Min	-40.7	-5.9	-27.0	-0.3	-15.1	-23.2
3698	0.4	C_Mob_ENV	Combination	Min	-40.7	-5.9	-27.0	-0.3	-11.7	-23.0
3698	0.7	C_Mob_ENV	Combination	Min	-40.7	-5.9	-27.0	-0.3	-8.7	-22.8
3698	1.1	C_Mob_ENV	Combination	Min	-40.7	-5.9	-27.0	-0.3	-8.4	-22.6
3699	0.0	C_Mob_ENV	Combination	Max	27.0	368.6	15.5	0.1	4.4	184.9
3699	0.5	C_Mob_ENV	Combination	Max	27.0	368.6	15.5	0.1	10.5	26.2
3699	0.0	C_Mob_ENV	Combination	Min	-26.6	-3.9	-48.3	-0.3	-22.4	-18.7
3699	0.5	C_Mob_ENV	Combination	Min	-26.6	-3.9	-48.3	-0.3	-14.7	-37.2
3700	0.0	C_Mob_ENV	Combination	Max	17.5	68.0	22.5	0.4	6.3	32.1
3700	0.5	C_Mob_ENV	Combination	Max	17.5	68.0	22.5	0.4	6.6	115.9
3700	0.0	C_Mob_ENV	Combination	Min	-9.2	-227.9	-31.2	-0.1	-14.3	-9.8
3700	0.5	C_Mob_ENV	Combination	Min	-9.2	-227.9	-31.2	-0.1	-8.4	-15.9
3701	0.0	C_Mob_ENV	Combination	Max	12.4	64.4	13.4	0.3	7.1	131.3
3701	0.4	C_Mob_ENV	Combination	Max	12.4	64.4	13.4	0.3	7.6	207.2
3701	0.7	C_Mob_ENV	Combination	Max	12.4	64.4	13.4	0.3	9.5	283.1

3701	1.1	C_Mob_ENV	Combination	Max	12.4	64.4	13.4	0.3	12.4	359.0
3701	0.0	C_Mob_ENV	Combination	Min	-14.4	-220.2	-20.0	-0.1	-9.5	-6.8
3701	0.4	C_Mob_ENV	Combination	Min	-14.4	-220.2	-20.0	-0.1	-7.7	-26.9
3701	0.7	C_Mob_ENV	Combination	Min	-14.4	-220.2	-20.0	-0.1	-7.1	-47.0
3701	1.1	C_Mob_ENV	Combination	Min	-14.4	-220.2	-20.0	-0.1	-7.5	-67.1
3702	0.0	C_Mob_ENV	Combination	Max	14.4	61.4	12.2	0.3	8.6	367.2
3702	0.4	C_Mob_ENV	Combination	Max	14.4	61.4	12.2	0.3	8.0	442.5
3702	0.7	C_Mob_ENV	Combination	Max	14.4	61.4	12.2	0.3	8.4	517.9
3702	1.1	C_Mob_ENV	Combination	Max	14.4	61.4	12.2	0.3	9.0	593.2
3702	0.0	C_Mob_ENV	Combination	Min	-22.5	-210.6	-11.5	-0.1	-4.2	-53.8
3702	0.4	C_Mob_ENV	Combination	Min	-22.5	-210.6	-11.5	-0.1	-4.6	-75.4
3702	0.7	C_Mob_ENV	Combination	Min	-22.5	-210.6	-11.5	-0.1	-5.0	-97.0
3702	1.1	C_Mob_ENV	Combination	Min	-22.5	-210.6	-11.5	-0.1	-5.5	-118.6
3703	0.0	C_Mob_ENV	Combination	Max	17.5	57.6	19.7	0.3	14.1	603.8
3703	0.4	C_Mob_ENV	Combination	Max	17.5	57.6	19.7	0.3	11.3	674.7
3703	0.7	C_Mob_ENV	Combination	Max	17.5	57.6	19.7	0.3	8.5	745.6
3703	1.1	C_Mob_ENV	Combination	Max	17.5	57.6	19.7	0.3	5.8	816.4
3703	0.0	C_Mob_ENV	Combination	Min	-36.7	-198.4	-7.9	-0.1	-4.8	-106.1
3703	0.4	C_Mob_ENV	Combination	Min	-36.7	-198.4	-7.9	-0.1	-5.9	-126.4
3703	0.7	C_Mob_ENV	Combination	Min	-36.7	-198.4	-7.9	-0.1	-7.0	-146.7
3703	1.1	C_Mob_ENV	Combination	Min	-36.7	-198.4	-7.9	-0.1	-8.0	-167.0
3704	0.0	C_Mob_ENV	Combination	Max	21.2	52.7	37.6	0.2	22.2	831.4

3704	0.4	C_Mob_ENV	Combination	Max	21.2	52.7	37.6	0.2	17.8	896.2
3704	0.7	C_Mob_ENV	Combination	Max	21.2	52.7	37.6	0.2	13.5	961.0
3704	1.1	C_Mob_ENV	Combination	Max	21.2	52.7	37.6	0.2	9.1	1025.8
3704	0.0	C_Mob_ENV	Combination	Min	-60.5	-182.7	-15.3	-0.1	-7.6	-156.2
3704	0.4	C_Mob_ENV	Combination	Min	-60.5	-182.7	-15.3	-0.1	-11.5	-174.6
3704	0.7	C_Mob_ENV	Combination	Min	-60.5	-182.7	-15.3	-0.1	-15.4	-193.0
3704	1.1	C_Mob_ENV	Combination	Min	-60.5	-182.7	-15.3	-0.1	-19.3	-211.3
3705	0.0	C_Mob_ENV	Combination	Max	28.0	46.8	67.7	0.7	13.2	1034.2
3705	0.2	C_Mob_ENV	Combination	Max	28.0	46.8	67.7	0.7	13.5	1059.7
3705	0.0	C_Mob_ENV	Combination	Min	-81.6	-162.9	-28.4	-0.5	-10.7	-195.9
3705	0.2	C_Mob_ENV	Combination	Min	-81.6	-162.9	-28.4	-0.5	-17.2	-202.6
3706	0.0	C_Mob_ENV	Combination	Max	18.4	43.4	17.6	0.3	9.0	1059.5
3706	0.5	C_Mob_ENV	Combination	Max	18.4	43.4	17.6	0.3	13.9	1124.6
3706	0.9	C_Mob_ENV	Combination	Max	18.4	43.4	17.6	0.3	18.9	1189.6
3706	0.0	C_Mob_ENV	Combination	Min	-42.3	-152.8	-41.7	-0.2	-19.7	-201.2
3706	0.5	C_Mob_ENV	Combination	Min	-42.3	-152.8	-41.7	-0.2	-13.2	-218.1
3706	0.9	C_Mob_ENV	Combination	Min	-42.3	-152.8	-41.7	-0.2	-7.2	-235.1
3707	0.0	C_Mob_ENV	Combination	Max	16.0	39.2	8.6	0.2	6.4	1181.8
3707	0.4	C_Mob_ENV	Combination	Max	16.0	39.2	8.6	0.2	9.3	1226.2
3707	0.7	C_Mob_ENV	Combination	Max	16.0	39.2	8.6	0.2	12.2	1270.7
3707	1.1	C_Mob_ENV	Combination	Max	16.0	39.2	8.6	0.2	15.1	1315.1
3707	0.0	C_Mob_ENV	Combination	Min	-38.4	-137.5	-19.2	-0.1	-6.8	-218.0

3707	0.4	C_Mob_ENV	Combination	Min	-38.4	-137.5	-19.2	-0.1	-6.3	-230.2
3707	0.7	C_Mob_ENV	Combination	Min	-38.4	-137.5	-19.2	-0.1	-5.7	-242.4
3707	1.1	C_Mob_ENV	Combination	Min	-38.4	-137.5	-19.2	-0.1	-5.1	-254.6
3708	0.0	C_Mob_ENV	Combination	Max	17.3	37.6	13.1	0.2	12.0	1314.9
3708	0.5	C_Mob_ENV	Combination	Max	17.3	37.6	13.1	0.2	10.0	1366.4
3708	1.0	C_Mob_ENV	Combination	Max	17.3	37.6	13.1	0.2	8.0	1417.9
3708	0.0	C_Mob_ENV	Combination	Min	-44.2	-123.0	-7.1	-0.2	-2.9	-243.2
3708	0.5	C_Mob_ENV	Combination	Min	-44.2	-123.0	-7.1	-0.2	-3.2	-258.5
3708	1.0	C_Mob_ENV	Combination	Min	-44.2	-123.0	-7.1	-0.2	-3.5	-273.9
3709	0.0	C_Mob_ENV	Combination	Max	17.3	37.6	13.1	1.2	8.0	1421.3
3709	0.1	C_Mob_ENV	Combination	Max	17.3	37.6	13.1	1.2	8.6	1434.9
3709	0.0	C_Mob_ENV	Combination	Min	-44.2	-123.0	-7.1	-0.7	-3.5	-275.3
3709	0.1	C_Mob_ENV	Combination	Min	-44.2	-123.0	-7.1	-0.7	-4.5	-279.2
3710	0.0	C_Mob_ENV	Combination	Max	21.1	36.0	29.3	0.3	20.9	1445.5
3710	0.4	C_Mob_ENV	Combination	Max	21.1	36.0	29.3	0.3	16.7	1477.8
3710	0.7	C_Mob_ENV	Combination	Max	21.1	36.0	29.3	0.3	12.7	1510.0
3710	1.1	C_Mob_ENV	Combination	Max	21.1	36.0	29.3	0.3	8.7	1542.3
3710	0.0	C_Mob_ENV	Combination	Min	-61.5	-107.0	-11.8	-0.3	-6.1	-272.8
3710	0.4	C_Mob_ENV	Combination	Min	-61.5	-107.0	-11.8	-0.3	-8.2	-282.5
3710	0.7	C_Mob_ENV	Combination	Min	-61.5	-107.0	-11.8	-0.3	-10.3	-292.1
3710	1.1	C_Mob_ENV	Combination	Min	-61.5	-107.0	-11.8	-0.3	-12.4	-301.8
3711	0.0	C_Mob_ENV	Combination	Max	32.6	34.2	53.2	0.3	23.1	1559.6

3711	0.4	C_Mob_ENV	Combination	Max	32.6	34.2	53.2	0.3	18.5	1586.1
3711	0.8	C_Mob_ENV	Combination	Max	32.6	34.2	53.2	0.3	13.9	1612.7
3711	0.0	C_Mob_ENV	Combination	Min	-89.0	-89.3	-22.7	-0.1	-5.6	-300.1
3711	0.4	C_Mob_ENV	Combination	Min	-89.0	-89.3	-22.7	-0.1	-14.2	-307.4
3711	0.8	C_Mob_ENV	Combination	Min	-89.0	-89.3	-22.7	-0.1	-22.7	-314.6
3712	0.0	C_Mob_ENV	Combination	Max	18.8	35.2	30.5	0.8	12.5	1612.0
3712	0.3	C_Mob_ENV	Combination	Max	18.8	35.2	30.5	0.8	8.4	1627.4
3712	0.0	C_Mob_ENV	Combination	Min	-51.3	-82.3	-65.5	-1.5	-22.4	-314.0
3712	0.3	C_Mob_ENV	Combination	Min	-51.3	-82.3	-65.5	-1.5	-10.8	-317.6
3713	0.0	C_Mob_ENV	Combination	Max	18.2	37.8	17.3	0.2	13.1	1618.5
3713	0.4	C_Mob_ENV	Combination	Max	18.2	37.8	17.3	0.2	15.8	1628.6
3713	0.7	C_Mob_ENV	Combination	Max	18.2	37.8	17.3	0.2	18.8	1638.7
3713	1.1	C_Mob_ENV	Combination	Max	18.2	37.8	17.3	0.2	22.2	1648.8
3713	0.0	C_Mob_ENV	Combination	Min	-50.2	-67.1	-37.4	-0.2	-19.3	-308.2
3713	0.4	C_Mob_ENV	Combination	Min	-50.2	-67.1	-37.4	-0.2	-15.2	-309.2
3713	0.7	C_Mob_ENV	Combination	Min	-50.2	-67.1	-37.4	-0.2	-11.2	-310.2
3713	1.1	C_Mob_ENV	Combination	Min	-50.2	-67.1	-37.4	-0.2	-7.2	-311.3
3714	0.0	C_Mob_ENV	Combination	Max	15.6	42.5	8.3	0.2	10.7	1636.0
3714	0.4	C_Mob_ENV	Combination	Max	15.6	42.5	8.3	0.2	12.4	1639.2
3714	0.8	C_Mob_ENV	Combination	Max	15.6	42.5	8.3	0.2	14.2	1642.3
3714	1.1	C_Mob_ENV	Combination	Max	15.6	42.5	8.3	0.2	16.0	1645.4
3714	0.0	C_Mob_ENV	Combination	Min	-43.2	-54.6	-16.2	-0.2	-5.7	-304.3

3714	0.4	C_Mob_ENV	Combination	Min	-43.2	-54.6	-16.2	-0.2	-5.5	-303.6
3714	0.8	C_Mob_ENV	Combination	Min	-43.2	-54.6	-16.2	-0.2	-5.2	-302.8
3714	1.1	C_Mob_ENV	Combination	Min	-43.2	-54.6	-16.2	-0.2	-5.0	-302.1
3715	0.0	C_Mob_ENV	Combination	Max	19.7	54.1	16.7	0.1	16.5	1644.5
3715	0.4	C_Mob_ENV	Combination	Max	19.7	54.1	16.7	0.1	14.4	1641.7
3715	0.8	C_Mob_ENV	Combination	Max	19.7	54.1	16.7	0.1	12.3	1638.9
3715	1.1	C_Mob_ENV	Combination	Max	19.7	54.1	16.7	0.1	10.3	1636.0
3715	0.0	C_Mob_ENV	Combination	Min	-50.5	-45.1	-8.6	-0.3	-5.3	-302.5
3715	0.4	C_Mob_ENV	Combination	Min	-50.5	-45.1	-8.6	-0.3	-5.4	-302.2
3715	0.8	C_Mob_ENV	Combination	Min	-50.5	-45.1	-8.6	-0.3	-5.5	-301.8
3715	1.1	C_Mob_ENV	Combination	Min	-50.5	-45.1	-8.6	-0.3	-5.5	-301.4
3716	0.0	C_Mob_ENV	Combination	Max	28.3	66.8	37.8	0.1	22.4	1647.1
3716	0.4	C_Mob_ENV	Combination	Max	28.3	66.8	37.8	0.1	19.0	1637.4
3716	0.7	C_Mob_ENV	Combination	Max	28.3	66.8	37.8	0.1	16.3	1627.8
3716	1.1	C_Mob_ENV	Combination	Max	28.3	66.8	37.8	0.1	14.0	1618.1
3716	0.0	C_Mob_ENV	Combination	Min	-73.5	-40.4	-17.4	-0.3	-7.0	-308.9
3716	0.4	C_Mob_ENV	Combination	Min	-73.5	-40.4	-17.4	-0.3	-11.2	-306.7
3716	0.7	C_Mob_ENV	Combination	Min	-73.5	-40.4	-17.4	-0.3	-15.3	-304.5
3716	1.1	C_Mob_ENV	Combination	Min	-73.5	-40.4	-17.4	-0.3	-19.5	-302.3
3717	0.0	C_Mob_ENV	Combination	Max	38.1	82.1	66.3	1.2	10.4	1625.7
3717	0.3	C_Mob_ENV	Combination	Max	38.1	82.1	66.3	1.2	14.6	1610.5
3717	0.0	C_Mob_ENV	Combination	Min	-93.3	-37.7	-31.6	-0.7	-11.6	-312.2

3717	0.3	C_Mob_ENV	Combination	Min	-93.3	-37.7	-31.6	-0.7	-22.4	-307.8
3718	0.0	C_Mob_ENV	Combination	Max	16.7	88.6	25.9	0.1	17.2	1609.8
3718	0.4	C_Mob_ENV	Combination	Max	16.7	88.6	25.9	0.1	18.2	1583.8
3718	0.8	C_Mob_ENV	Combination	Max	16.7	88.6	25.9	0.1	21.5	1557.8
3718	0.0	C_Mob_ENV	Combination	Min	-53.8	-37.8	-52.4	-0.5	-22.7	-307.8
3718	0.4	C_Mob_ENV	Combination	Min	-53.8	-37.8	-52.4	-0.5	-14.6	-298.9
3718	0.8	C_Mob_ENV	Combination	Min	-53.8	-37.8	-52.4	-0.5	-6.4	-290.0
3719	0.0	C_Mob_ENV	Combination	Max	14.1	106.4	13.8	0.1	10.9	1539.4
3719	0.4	C_Mob_ENV	Combination	Max	14.1	106.4	13.8	0.1	13.1	1507.5
3719	0.7	C_Mob_ENV	Combination	Max	14.1	106.4	13.8	0.1	15.4	1475.7
3719	1.1	C_Mob_ENV	Combination	Max	14.1	106.4	13.8	0.1	18.9	1443.9
3719	0.0	C_Mob_ENV	Combination	Min	-44.6	-39.2	-28.5	-0.3	-12.3	-289.4
3719	0.4	C_Mob_ENV	Combination	Min	-44.6	-39.2	-28.5	-0.3	-10.4	-278.7
3719	0.7	C_Mob_ENV	Combination	Min	-44.6	-39.2	-28.5	-0.3	-8.6	-268.0
3719	1.1	C_Mob_ENV	Combination	Min	-44.6	-39.2	-28.5	-0.3	-6.7	-257.3
3720	0.0	C_Mob_ENV	Combination	Max	13.4	122.8	8.1	0.7	9.3	1430.9
3720	0.1	C_Mob_ENV	Combination	Max	13.4	122.8	8.1	0.7	8.4	1417.5
3720	0.0	C_Mob_ENV	Combination	Min	-40.0	-40.1	-11.6	-1.1	-4.7	-262.0
3720	0.1	C_Mob_ENV	Combination	Min	-40.0	-40.1	-11.6	-1.1	-3.8	-257.9
3721	0.0	C_Mob_ENV	Combination	Max	13.4	122.8	8.1	0.1	8.4	1414.2
3721	0.5	C_Mob_ENV	Combination	Max	13.4	122.8	8.1	0.1	9.0	1363.2
3721	1.0	C_Mob_ENV	Combination	Max	13.4	122.8	8.1	0.1	9.8	1312.2

3721	0.0	C_Mob_ENV	Combination	Min	-40.0	-40.1	-11.6	-0.2	-3.8	-256.8
3721	0.5	C_Mob_ENV	Combination	Min	-40.0	-40.1	-11.6	-0.2	-3.4	-240.8
3721	1.0	C_Mob_ENV	Combination	Min	-40.0	-40.1	-11.6	-0.2	-3.1	-224.9
3722	0.0	C_Mob_ENV	Combination	Max	17.6	137.3	18.7	0.1	13.5	1309.6
3722	0.4	C_Mob_ENV	Combination	Max	17.6	137.3	18.7	0.1	11.2	1265.5
3722	0.7	C_Mob_ENV	Combination	Max	17.6	137.3	18.7	0.1	9.1	1221.3
3722	1.1	C_Mob_ENV	Combination	Max	17.6	137.3	18.7	0.1	7.0	1177.2
3722	0.0	C_Mob_ENV	Combination	Min	-46.9	-40.2	-9.8	-0.2	-5.8	-235.9
3722	0.4	C_Mob_ENV	Combination	Min	-46.9	-40.2	-9.8	-0.2	-6.3	-223.8
3722	0.7	C_Mob_ENV	Combination	Min	-46.9	-40.2	-9.8	-0.2	-6.8	-211.7
3722	1.1	C_Mob_ENV	Combination	Min	-46.9	-40.2	-9.8	-0.2	-7.3	-199.6
3723	0.0	C_Mob_ENV	Combination	Max	30.3	152.4	38.3	0.1	18.5	1182.6
3723	0.5	C_Mob_ENV	Combination	Max	30.3	152.4	38.3	0.1	14.4	1118.3
3723	0.9	C_Mob_ENV	Combination	Max	30.3	152.4	38.3	0.1	11.0	1054.0
3723	0.0	C_Mob_ENV	Combination	Min	-67.6	-42.1	-20.6	-0.2	-8.4	-217.7
3723	0.5	C_Mob_ENV	Combination	Min	-67.6	-42.1	-20.6	-0.2	-13.1	-201.5
3723	0.9	C_Mob_ENV	Combination	Min	-67.6	-42.1	-20.6	-0.2	-17.7	-185.3
3724	0.0	C_Mob_ENV	Combination	Max	6.6	162.0	33.3	0.3	17.9	1053.5
3724	0.2	C_Mob_ENV	Combination	Max	6.6	162.0	33.3	0.3	14.4	1028.2
3724	0.0	C_Mob_ENV	Combination	Min	-40.0	-48.5	-61.1	-0.9	-16.1	-186.3
3724	0.2	C_Mob_ENV	Combination	Min	-40.0	-48.5	-61.1	-0.9	-10.2	-179.4
3725	0.0	C_Mob_ENV	Combination	Max	12.1	181.4	16.9	0.1	11.8	1018.6

3725	0.4	C_Mob_ENV	Combination	Max	12.1	181.4	16.9	0.1	13.7	954.4
3725	0.7	C_Mob_ENV	Combination	Max	12.1	181.4	16.9	0.1	16.0	890.2
3725	1.1	C_Mob_ENV	Combination	Max	12.1	181.4	16.9	0.1	18.8	826.0
3725	0.0	C_Mob_ENV	Combination	Min	-38.2	-52.9	-33.2	-0.3	-17.7	-192.6
3725	0.4	C_Mob_ENV	Combination	Min	-38.2	-52.9	-33.2	-0.3	-14.4	-174.4
3725	0.7	C_Mob_ENV	Combination	Min	-38.2	-52.9	-33.2	-0.3	-11.1	-156.1
3725	1.1	C_Mob_ENV	Combination	Min	-38.2	-52.9	-33.2	-0.3	-7.8	-137.9
3726	0.0	C_Mob_ENV	Combination	Max	10.0	197.0	9.2	0.1	6.5	810.6
3726	0.4	C_Mob_ENV	Combination	Max	10.0	197.0	9.2	0.1	8.0	740.4
3726	0.7	C_Mob_ENV	Combination	Max	10.0	197.0	9.2	0.1	9.8	670.1
3726	1.1	C_Mob_ENV	Combination	Max	10.0	197.0	9.2	0.1	11.8	599.9
3726	0.0	C_Mob_ENV	Combination	Min	-29.0	-55.3	-17.5	-0.3	-7.7	-145.1
3726	0.4	C_Mob_ENV	Combination	Min	-29.0	-55.3	-17.5	-0.3	-6.9	-125.8
3726	0.7	C_Mob_ENV	Combination	Min	-29.0	-55.3	-17.5	-0.3	-6.1	-106.4
3726	1.1	C_Mob_ENV	Combination	Min	-29.0	-55.3	-17.5	-0.3	-5.3	-87.1
3727	0.0	C_Mob_ENV	Combination	Max	11.8	209.2	10.7	0.1	7.5	589.0
3727	0.4	C_Mob_ENV	Combination	Max	11.8	209.2	10.7	0.1	7.3	515.0
3727	0.7	C_Mob_ENV	Combination	Max	11.8	209.2	10.7	0.1	7.6	441.0
3727	1.1	C_Mob_ENV	Combination	Max	11.8	209.2	10.7	0.1	8.0	367.0
3727	0.0	C_Mob_ENV	Combination	Min	-23.0	-56.0	-12.6	-0.3	-5.8	-98.0
3727	0.4	C_Mob_ENV	Combination	Min	-23.0	-56.0	-12.6	-0.3	-5.4	-78.7
3727	0.7	C_Mob_ENV	Combination	Min	-23.0	-56.0	-12.6	-0.3	-5.0	-59.4

3727	1.1	C_Mob_ENV	Combination	Min	-23.0	-56.0	-12.6	-0.3	-4.6	-40.1
3728	0.0	C_Mob_ENV	Combination	Max	13.1	218.9	14.9	0.1	8.8	356.3
3728	0.4	C_Mob_ENV	Combination	Max	13.1	218.9	14.9	0.1	8.1	281.6
3728	0.7	C_Mob_ENV	Combination	Max	13.1	218.9	14.9	0.1	8.1	206.9
3728	1.1	C_Mob_ENV	Combination	Max	13.1	218.9	14.9	0.1	8.6	132.2
3728	0.0	C_Mob_ENV	Combination	Min	-16.0	-55.8	-15.7	-0.3	-8.7	-53.1
3728	0.4	C_Mob_ENV	Combination	Min	-16.0	-55.8	-15.7	-0.3	-7.8	-37.1
3728	0.7	C_Mob_ENV	Combination	Min	-16.0	-55.8	-15.7	-0.3	-7.0	-21.2
3728	1.1	C_Mob_ENV	Combination	Min	-16.0	-55.8	-15.7	-0.3	-7.3	-5.2
3729	0.0	C_Mob_ENV	Combination	Max	16.7	225.9	18.5	0.1	5.6	115.0
3729	0.5	C_Mob_ENV	Combination	Max	16.7	225.9	18.5	0.1	5.1	27.5
3729	0.0	C_Mob_ENV	Combination	Min	-10.0	-56.4	-24.8	-0.3	-11.1	-13.2
3729	0.5	C_Mob_ENV	Combination	Min	-10.0	-56.4	-24.8	-0.3	-7.5	-8.4
3730	0.0	C_Mob_ENV	Combination	Max	464.2	77.4	37.2	0.4	9.5	398.7
3730	0.5	C_Mob_ENV	Combination	Max	464.2	77.4	37.2	0.4	24.1	507.0
3730	0.0	C_Mob_ENV	Combination	Min	-23.3	-696.0	-71.4	-0.2	-21.1	-109.2
3730	0.5	C_Mob_ENV	Combination	Min	-23.3	-696.0	-71.4	-0.2	-14.7	-42.1
3731	0.0	C_Mob_ENV	Combination	Max	464.0	80.0	28.6	0.3	16.2	515.3
3731	0.4	C_Mob_ENV	Combination	Max	464.0	80.0	28.6	0.3	12.1	586.6
3731	0.7	C_Mob_ENV	Combination	Max	464.0	80.0	28.6	0.3	18.1	677.5
3731	1.1	C_Mob_ENV	Combination	Max	464.0	80.0	28.6	0.3	24.0	865.9
3731	0.0	C_Mob_ENV	Combination	Min	-34.5	-581.6	-42.1	-0.1	-21.7	-50.1

3731	0.4	C_Mob_ENV	Combination	Min	-34.5	-581.6	-42.1	-0.1	-16.0	-44.7
3731	0.7	C_Mob_ENV	Combination	Min	-34.5	-581.6	-42.1	-0.1	-10.4	-39.3
3731	1.1	C_Mob_ENV	Combination	Min	-34.5	-581.6	-42.1	-0.1	-15.1	-33.9
3732	0.0	C_Mob_ENV	Combination	Max	446.3	99.9	34.3	0.3	20.1	844.0
3732	0.4	C_Mob_ENV	Combination	Max	446.3	99.9	34.3	0.3	16.1	985.5
3732	0.7	C_Mob_ENV	Combination	Max	446.3	99.9	34.3	0.3	17.2	1127.0
3732	1.1	C_Mob_ENV	Combination	Max	446.3	99.9	34.3	0.3	18.2	1268.5
3732	0.0	C_Mob_ENV	Combination	Min	-42.2	-498.2	-31.6	-0.2	-16.2	-31.6
3732	0.4	C_Mob_ENV	Combination	Min	-42.2	-498.2	-31.6	-0.2	-14.4	-26.1
3732	0.7	C_Mob_ENV	Combination	Min	-42.2	-498.2	-31.6	-0.2	-12.6	-20.6
3732	1.1	C_Mob_ENV	Combination	Min	-42.2	-498.2	-31.6	-0.2	-17.1	-17.7
3733	0.0	C_Mob_ENV	Combination	Max	424.0	127.1	41.9	0.2	24.7	1243.8
3733	0.4	C_Mob_ENV	Combination	Max	424.0	127.1	41.9	0.2	19.9	1346.3
3733	0.7	C_Mob_ENV	Combination	Max	424.0	127.1	41.9	0.2	16.6	1448.9
3733	1.1	C_Mob_ENV	Combination	Max	424.0	127.1	41.9	0.2	13.3	1551.4
3733	0.0	C_Mob_ENV	Combination	Min	-55.4	-436.3	-22.7	-0.2	-11.9	-17.4
3733	0.4	C_Mob_ENV	Combination	Min	-55.4	-436.3	-22.7	-0.2	-13.9	-14.7
3733	0.7	C_Mob_ENV	Combination	Min	-55.4	-436.3	-22.7	-0.2	-15.9	-12.0
3733	1.1	C_Mob_ENV	Combination	Min	-55.4	-436.3	-22.7	-0.2	-20.7	-9.3
3734	0.0	C_Mob_ENV	Combination	Max	403.5	182.7	60.3	0.2	34.2	1525.7
3734	0.4	C_Mob_ENV	Combination	Max	403.5	182.7	60.3	0.2	26.0	1600.4
3734	0.7	C_Mob_ENV	Combination	Max	403.5	182.7	60.3	0.2	17.8	1675.1

3734	1.1	C_Mob_ENV	Combination	Max	403.5	182.7	60.3	0.2	10.3	1749.9
3734	0.0	C_Mob_ENV	Combination	Min	-75.7	-394.4	-19.3	-0.2	-11.3	-8.7
3734	0.4	C_Mob_ENV	Combination	Min	-75.7	-394.4	-19.3	-0.2	-17.9	-6.1
3734	0.7	C_Mob_ENV	Combination	Min	-75.7	-394.4	-19.3	-0.2	-24.5	-3.5
3734	1.1	C_Mob_ENV	Combination	Min	-75.7	-394.4	-19.3	-0.2	-31.0	-0.8
3735	0.0	C_Mob_ENV	Combination	Max	378.6	225.0	101.6	0.6	21.2	1728.4
3735	0.2	C_Mob_ENV	Combination	Max	378.6	225.0	101.6	0.6	18.6	1740.8
3735	0.0	C_Mob_ENV	Combination	Min	-81.6	-372.7	-30.3	-1.1	-23.3	-0.4
3735	0.2	C_Mob_ENV	Combination	Min	-81.6	-372.7	-30.3	-1.1	-25.5	0.7
3736	0.0	C_Mob_ENV	Combination	Max	384.3	151.8	31.4	0.3	12.9	1740.9
3736	0.5	C_Mob_ENV	Combination	Max	384.3	151.8	31.4	0.3	21.2	1853.4
3736	0.9	C_Mob_ENV	Combination	Max	384.3	151.8	31.4	0.3	34.7	1965.8
3736	0.0	C_Mob_ENV	Combination	Min	-74.0	-431.7	-67.8	-0.1	-27.7	0.8
3736	0.5	C_Mob_ENV	Combination	Min	-74.0	-431.7	-67.8	-0.1	-19.1	3.7
3736	0.9	C_Mob_ENV	Combination	Min	-74.0	-431.7	-67.8	-0.1	-17.0	6.6
3737	0.0	C_Mob_ENV	Combination	Max	340.5	177.4	30.5	0.2	17.1	1964.3
3737	0.4	C_Mob_ENV	Combination	Max	340.5	177.4	30.5	0.2	16.2	2033.6
3737	0.7	C_Mob_ENV	Combination	Max	340.5	177.4	30.5	0.2	20.8	2103.0
3737	1.1	C_Mob_ENV	Combination	Max	340.5	177.4	30.5	0.2	25.4	2172.4
3737	0.0	C_Mob_ENV	Combination	Min	-57.5	-395.4	-40.8	-0.2	-19.0	6.4
3737	0.4	C_Mob_ENV	Combination	Min	-57.5	-395.4	-40.8	-0.2	-16.2	8.5
3737	0.7	C_Mob_ENV	Combination	Min	-57.5	-395.4	-40.8	-0.2	-13.3	10.6

3737	1.1	C_Mob_ENV	Combination	Min	-57.5	-395.4	-40.8	-0.2	-16.5	12.7
3738	0.0	C_Mob_ENV	Combination	Max	307.5	212.8	36.4	0.2	21.7	2164.6
3738	0.5	C_Mob_ENV	Combination	Max	307.5	212.8	36.4	0.2	16.3	2227.9
3738	1.0	C_Mob_ENV	Combination	Max	307.5	212.8	36.4	0.2	13.4	2291.1
3738	0.0	C_Mob_ENV	Combination	Min	-47.4	-358.1	-23.9	-0.3	-11.1	12.8
3738	0.5	C_Mob_ENV	Combination	Min	-47.4	-358.1	-23.9	-0.3	-11.4	15.4
3738	1.0	C_Mob_ENV	Combination	Min	-47.4	-358.1	-23.9	-0.3	-14.3	17.9
3739	0.0	C_Mob_ENV	Combination	Max	307.5	212.8	36.4	3.1	13.4	2282.0
3739	0.1	C_Mob_ENV	Combination	Max	307.5	212.8	36.4	3.1	16.1	2312.1
3739	0.0	C_Mob_ENV	Combination	Min	-47.4	-358.1	-23.9	-2.0	-14.3	18.5
3739	0.1	C_Mob_ENV	Combination	Min	-47.4	-358.1	-23.9	-2.0	-18.5	19.1
3740	0.0	C_Mob_ENV	Combination	Max	284.1	247.4	51.8	0.2	33.3	2295.7
3740	0.4	C_Mob_ENV	Combination	Max	284.1	247.4	51.8	0.2	25.7	2329.2
3740	0.7	C_Mob_ENV	Combination	Max	284.1	247.4	51.8	0.2	18.1	2362.7
3740	1.1	C_Mob_ENV	Combination	Max	284.1	247.4	51.8	0.2	10.5	2396.2
3740	0.0	C_Mob_ENV	Combination	Min	-58.3	-325.1	-18.2	-0.4	-10.2	19.5
3740	0.4	C_Mob_ENV	Combination	Min	-58.3	-325.1	-18.2	-0.4	-14.4	21.2
3740	0.7	C_Mob_ENV	Combination	Min	-58.3	-325.1	-18.2	-0.4	-18.7	22.9
3740	1.1	C_Mob_ENV	Combination	Min	-58.3	-325.1	-18.2	-0.4	-22.9	24.6
3741	0.0	C_Mob_ENV	Combination	Max	270.3	278.6	82.0	0.3	39.6	2374.1
3741	0.4	C_Mob_ENV	Combination	Max	270.3	278.6	82.0	0.3	23.8	2383.5
3741	0.8	C_Mob_ENV	Combination	Max	270.3	278.6	82.0	0.3	9.7	2392.9

3741	0.0	C_Mob_ENV	Combination	Min	-74.8	-302.5	-22.6	-0.6	-15.0	25.3
3741	0.4	C_Mob_ENV	Combination	Min	-74.8	-302.5	-22.6	-0.6	-21.8	26.9
3741	0.8	C_Mob_ENV	Combination	Min	-74.8	-302.5	-22.6	-0.6	-28.5	28.1
3742	0.0	C_Mob_ENV	Combination	Max	283.2	221.3	37.6	1.0	9.3	2393.4
3742	0.3	C_Mob_ENV	Combination	Max	283.2	221.3	37.6	1.0	18.7	2444.7
3742	0.0	C_Mob_ENV	Combination	Min	-65.0	-366.5	-99.1	-0.7	-27.0	27.9
3742	0.3	C_Mob_ENV	Combination	Min	-65.0	-366.5	-99.1	-0.7	-20.0	21.9
3743	0.0	C_Mob_ENV	Combination	Max	249.4	237.6	31.2	0.2	17.2	2443.7
3743	0.4	C_Mob_ENV	Combination	Max	249.4	237.6	31.2	0.2	18.9	2469.9
3743	0.7	C_Mob_ENV	Combination	Max	249.4	237.6	31.2	0.2	28.2	2496.1
3743	1.1	C_Mob_ENV	Combination	Max	249.4	237.6	31.2	0.2	37.5	2522.4
3743	0.0	C_Mob_ENV	Combination	Min	-60.6	-337.9	-62.6	-0.3	-30.3	29.0
3743	0.4	C_Mob_ENV	Combination	Min	-60.6	-337.9	-62.6	-0.3	-23.6	29.9
3743	0.7	C_Mob_ENV	Combination	Min	-60.6	-337.9	-62.6	-0.3	-16.8	27.1
3743	1.1	C_Mob_ENV	Combination	Min	-60.6	-337.9	-62.6	-0.3	-17.1	19.8
3744	0.0	C_Mob_ENV	Combination	Max	216.5	264.0	32.0	0.2	21.5	2529.1
3744	0.4	C_Mob_ENV	Combination	Max	216.5	264.0	32.0	0.2	19.6	2538.4
3744	0.8	C_Mob_ENV	Combination	Max	216.5	264.0	32.0	0.2	23.5	2547.6
3744	1.1	C_Mob_ENV	Combination	Max	216.5	264.0	32.0	0.2	27.4	2556.9
3744	0.0	C_Mob_ENV	Combination	Min	-44.1	-302.1	-37.4	-0.3	-16.9	31.0
3744	0.4	C_Mob_ENV	Combination	Min	-44.1	-302.1	-37.4	-0.3	-15.0	31.4
3744	0.8	C_Mob_ENV	Combination	Min	-44.1	-302.1	-37.4	-0.3	-13.2	24.3

3744	1.1	C_Mob_ENV	Combination	Min	-44.1	-302.1	-37.4	-0.3	-17.8	17.3
3745	0.0	C_Mob_ENV	Combination	Max	195.8	300.2	42.2	0.1	29.0	2553.6
3745	0.4	C_Mob_ENV	Combination	Max	195.8	300.2	42.2	0.1	23.6	2545.3
3745	0.8	C_Mob_ENV	Combination	Max	195.8	300.2	42.2	0.1	19.7	2537.0
3745	1.1	C_Mob_ENV	Combination	Max	195.8	300.2	42.2	0.1	15.8	2528.8
3745	0.0	C_Mob_ENV	Combination	Min	-47.9	-265.3	-22.1	-0.4	-11.7	32.4
3745	0.4	C_Mob_ENV	Combination	Min	-47.9	-265.3	-22.1	-0.4	-13.5	27.0
3745	0.8	C_Mob_ENV	Combination	Min	-47.9	-265.3	-22.1	-0.4	-15.3	19.9
3745	1.1	C_Mob_ENV	Combination	Min	-47.9	-265.3	-22.1	-0.4	-20.3	12.8
3746	0.0	C_Mob_ENV	Combination	Max	186.9	335.8	64.0	0.1	37.9	2515.8
3746	0.4	C_Mob_ENV	Combination	Max	186.9	335.8	64.0	0.1	28.5	2491.5
3746	0.7	C_Mob_ENV	Combination	Max	186.9	335.8	64.0	0.1	19.2	2467.2
3746	1.1	C_Mob_ENV	Combination	Max	186.9	335.8	64.0	0.1	11.3	2442.8
3746	0.0	C_Mob_ENV	Combination	Min	-68.1	-238.9	-19.4	-0.5	-11.2	27.8
3746	0.4	C_Mob_ENV	Combination	Min	-68.1	-238.9	-19.4	-0.5	-18.0	21.4
3746	0.7	C_Mob_ENV	Combination	Min	-68.1	-238.9	-19.4	-0.5	-24.7	15.0
3746	1.1	C_Mob_ENV	Combination	Min	-68.1	-238.9	-19.4	-0.5	-31.5	8.6
3747	0.0	C_Mob_ENV	Combination	Max	178.7	364.7	100.9	0.5	18.0	2439.8
3747	0.3	C_Mob_ENV	Combination	Max	178.7	364.7	100.9	0.5	8.9	2390.3
3747	0.0	C_Mob_ENV	Combination	Min	-77.1	-223.2	-28.9	-1.3	-23.2	21.8
3747	0.3	C_Mob_ENV	Combination	Min	-77.1	-223.2	-28.9	-1.3	-29.2	17.4
3748	0.0	C_Mob_ENV	Combination	Max	191.6	301.1	31.4	0.4	11.0	2390.5

3748	0.4	C_Mob_ENV	Combination	Max	191.6	301.1	31.4	0.4	24.3	2384.2
3748	0.8	C_Mob_ENV	Combination	Max	191.6	301.1	31.4	0.4	40.4	2377.9
3748	0.0	C_Mob_ENV	Combination	Min	-65.0	-281.2	-80.9	-0.5	-26.9	17.3
3748	0.4	C_Mob_ENV	Combination	Min	-65.0	-281.2	-80.9	-0.5	-19.6	11.1
3748	0.8	C_Mob_ENV	Combination	Min	-65.0	-281.2	-80.9	-0.5	-17.2	4.8
3749	0.0	C_Mob_ENV	Combination	Max	163.7	323.7	28.3	0.2	15.7	2392.9
3749	0.4	C_Mob_ENV	Combination	Max	163.7	323.7	28.3	0.2	17.4	2361.7
3749	0.7	C_Mob_ENV	Combination	Max	163.7	323.7	28.3	0.2	25.3	2330.6
3749	1.1	C_Mob_ENV	Combination	Max	163.7	323.7	28.3	0.2	33.1	2299.4
3749	0.0	C_Mob_ENV	Combination	Min	-52.4	-250.4	-51.2	-0.4	-22.5	16.8
3749	0.4	C_Mob_ENV	Combination	Min	-52.4	-250.4	-51.2	-0.4	-18.1	11.6
3749	0.7	C_Mob_ENV	Combination	Min	-52.4	-250.4	-51.2	-0.4	-13.7	6.4
3749	1.1	C_Mob_ENV	Combination	Min	-52.4	-250.4	-51.2	-0.4	-15.8	1.3
3750	0.0	C_Mob_ENV	Combination	Max	144.7	356.0	31.7	2.6	19.9	2306.5
3750	0.1	C_Mob_ENV	Combination	Max	144.7	356.0	31.7	2.6	16.3	2276.9
3750	0.0	C_Mob_ENV	Combination	Min	-47.8	-215.4	-30.8	-2.6	-15.2	12.7
3750	0.1	C_Mob_ENV	Combination	Min	-47.8	-215.4	-30.8	-2.6	-11.7	11.1
3751	0.0	C_Mob_ENV	Combination	Max	144.7	356.0	31.7	0.2	16.3	2285.6
3751	0.5	C_Mob_ENV	Combination	Max	144.7	356.0	31.7	0.2	16.2	2225.5
3751	1.0	C_Mob_ENV	Combination	Max	144.7	356.0	31.7	0.2	19.4	2165.3
3751	0.0	C_Mob_ENV	Combination	Min	-47.8	-215.4	-30.8	-0.3	-11.7	17.2
3751	0.5	C_Mob_ENV	Combination	Min	-47.8	-215.4	-30.8	-0.3	-11.2	12.2

3751	1.0	C_Mob_ENV	Combination	Min	-47.8	-215.4	-30.8	-0.3	-15.3	5.9
3752	0.0	C_Mob_ENV	Combination	Max	136.0	392.5	43.1	0.1	26.0	2162.9
3752	0.4	C_Mob_ENV	Combination	Max	136.0	392.5	43.1	0.1	21.1	2095.8
3752	0.7	C_Mob_ENV	Combination	Max	136.0	392.5	43.1	0.1	16.7	2028.7
3752	1.1	C_Mob_ENV	Combination	Max	136.0	392.5	43.1	0.1	12.2	1961.6
3752	0.0	C_Mob_ENV	Combination	Min	-61.6	-179.8	-20.8	-0.3	-11.0	12.0
3752	0.4	C_Mob_ENV	Combination	Min	-61.6	-179.8	-20.8	-0.3	-13.7	9.8
3752	0.7	C_Mob_ENV	Combination	Min	-61.6	-179.8	-20.8	-0.3	-16.5	5.9
3752	1.1	C_Mob_ENV	Combination	Min	-61.6	-179.8	-20.8	-0.3	-20.8	1.4
3753	0.0	C_Mob_ENV	Combination	Max	151.3	428.7	70.4	0.0	35.1	1955.2
3753	0.5	C_Mob_ENV	Combination	Max	151.3	428.7	70.4	0.0	21.0	1846.8
3753	0.9	C_Mob_ENV	Combination	Max	151.3	428.7	70.4	0.0	8.0	1738.4
3753	0.0	C_Mob_ENV	Combination	Min	-81.7	-154.5	-19.9	-0.4	-12.3	5.7
3753	0.5	C_Mob_ENV	Combination	Min	-81.7	-154.5	-19.9	-0.4	-20.8	2.8
3753	0.9	C_Mob_ENV	Combination	Min	-81.7	-154.5	-19.9	-0.4	-29.7	-1.1
3754	0.0	C_Mob_ENV	Combination	Max	187.9	369.5	34.6	1.0	18.6	1738.8
3754	0.2	C_Mob_ENV	Combination	Max	187.9	369.5	34.6	1.0	23.6	1727.3
3754	0.0	C_Mob_ENV	Combination	Min	-73.0	-228.2	-104.9	-0.7	-24.1	-1.3
3754	0.2	C_Mob_ENV	Combination	Min	-73.0	-228.2	-104.9	-0.7	-20.4	-3.1
3755	0.0	C_Mob_ENV	Combination	Max	159.5	391.4	28.6	0.1	15.6	1743.4
3755	0.4	C_Mob_ENV	Combination	Max	159.5	391.4	28.6	0.1	17.5	1671.8
3755	0.7	C_Mob_ENV	Combination	Max	159.5	391.4	28.6	0.1	26.4	1600.2

3755	1.1	C_Mob_ENV	Combination	Max	159.5	391.4	28.6	0.1	35.3	1528.7
3755	0.0	C_Mob_ENV	Combination	Min	-65.0	-186.8	-62.2	-0.3	-32.0	-1.5
3755	0.4	C_Mob_ENV	Combination	Min	-65.0	-186.8	-62.2	-0.3	-24.3	-3.9
3755	0.7	C_Mob_ENV	Combination	Min	-65.0	-186.8	-62.2	-0.3	-16.7	-6.4
3755	1.1	C_Mob_ENV	Combination	Min	-65.0	-186.8	-62.2	-0.3	-15.7	-8.9
3756	0.0	C_Mob_ENV	Combination	Max	120.0	432.6	29.9	0.1	16.9	1545.7
3756	0.4	C_Mob_ENV	Combination	Max	120.0	432.6	29.9	0.1	16.4	1446.1
3756	0.7	C_Mob_ENV	Combination	Max	120.0	432.6	29.9	0.1	20.2	1346.5
3756	1.1	C_Mob_ENV	Combination	Max	120.0	432.6	29.9	0.1	24.0	1247.0
3756	0.0	C_Mob_ENV	Combination	Min	-50.7	-130.3	-39.1	-0.3	-18.5	-9.2
3756	0.4	C_Mob_ENV	Combination	Min	-50.7	-130.3	-39.1	-0.3	-15.9	-11.8
3756	0.7	C_Mob_ENV	Combination	Min	-50.7	-130.3	-39.1	-0.3	-13.3	-14.3
3756	1.1	C_Mob_ENV	Combination	Min	-50.7	-130.3	-39.1	-0.3	-15.9	-16.9
3757	0.0	C_Mob_ENV	Combination	Max	85.4	493.2	35.8	0.1	19.8	1260.5
3757	0.4	C_Mob_ENV	Combination	Max	85.4	493.2	35.8	0.1	17.3	1121.8
3757	0.7	C_Mob_ENV	Combination	Max	85.4	493.2	35.8	0.1	16.2	983.1
3757	1.1	C_Mob_ENV	Combination	Max	85.4	493.2	35.8	0.1	15.1	844.4
3757	0.0	C_Mob_ENV	Combination	Min	-40.7	-58.0	-23.8	-0.3	-10.9	-17.2
3757	0.4	C_Mob_ENV	Combination	Min	-40.7	-58.0	-23.8	-0.3	-12.8	-19.7
3757	0.7	C_Mob_ENV	Combination	Min	-40.7	-58.0	-23.8	-0.3	-14.7	-23.4
3757	1.1	C_Mob_ENV	Combination	Min	-40.7	-58.0	-23.8	-0.3	-19.0	-28.7
3758	0.0	C_Mob_ENV	Combination	Max	54.9	575.4	44.8	0.1	25.6	857.4

3758	0.4	C_Mob_ENV	Combination	Max	54.9	575.4	44.8	0.1	19.3	671.6
3758	0.7	C_Mob_ENV	Combination	Max	54.9	575.4	44.8	0.1	13.1	485.8
3758	1.1	C_Mob_ENV	Combination	Max	54.9	575.4	44.8	0.1	7.1	299.9
3758	0.0	C_Mob_ENV	Combination	Min	-33.5	-4.8	-11.7	-0.4	-5.8	-31.1
3758	0.4	C_Mob_ENV	Combination	Min	-33.5	-4.8	-11.7	-0.4	-11.3	-36.3
3758	0.7	C_Mob_ENV	Combination	Min	-33.5	-4.8	-11.7	-0.4	-17.3	-41.4
3758	1.1	C_Mob_ENV	Combination	Min	-33.5	-4.8	-11.7	-0.4	-23.4	-46.6
3759	0.0	C_Mob_ENV	Combination	Max	31.8	689.9	75.2	0.1	24.4	301.7
3759	0.5	C_Mob_ENV	Combination	Max	31.8	689.9	75.2	0.1	5.4	33.3
3759	0.0	C_Mob_ENV	Combination	Min	-30.1	1.6	-19.0	-0.4	-14.2	-38.4
3759	0.5	C_Mob_ENV	Combination	Min	-30.1	1.6	-19.0	-0.4	-20.7	-106.2

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
3575	0.0	_Acc. Vento	Combination		2.0	-0.5	-0.3	0.1	3.1	-4.8
3575	0.3	_Acc. Vento	Combination		2.0	1.7	-0.3	0.1	3.2	-5.0
3575	0.6	_Acc. Vento	Combination		2.0	3.9	-0.3	0.1	3.2	-5.8
3576	0.0	_Acc. Vento	Combination		1.6	-5.1	-0.8	0.0	2.8	-6.5
3576	0.3	_Acc. Vento	Combination		1.6	-2.8	-0.8	0.0	3.0	-5.3
3576	0.6	_Acc. Vento	Combination		1.6	-0.6	-0.8	0.0	3.3	-4.8
3577	0.0	_Acc. Vento	Combination		0.6	0.7	0.7	0.0	4.2	-0.3

3577	0.3	_Acc. Vento	Combination		0.6	1.5	0.7	0.0	4.0	-0.6
3577	0.6	_Acc. Vento	Combination		0.6	2.3	0.7	0.0	3.8	-1.2
3578	0.0	_Acc. Vento	Combination		-0.1	-2.4	2.6	0.0	5.6	-2.0
3578	0.3	_Acc. Vento	Combination		-0.1	-1.6	2.6	0.0	4.8	-1.5
3578	0.6	_Acc. Vento	Combination		-0.1	-0.8	2.6	0.0	4.0	-1.1
3579	0.0	_Acc. Vento	Combination		-1.1	-1.2	-0.5	0.0	3.1	1.7
3579	0.3	_Acc. Vento	Combination		-1.1	-0.4	-0.5	0.0	3.2	2.0
3579	0.6	_Acc. Vento	Combination		-1.1	0.4	-0.5	0.0	3.3	2.0
3580	0.0	_Acc. Vento	Combination		-0.5	0.0	-2.7	0.0	3.5	1.7
3580	0.3	_Acc. Vento	Combination		-0.5	0.8	-2.7	0.0	4.3	1.6
3580	0.6	_Acc. Vento	Combination		-0.5	1.6	-2.7	0.0	5.1	1.2
3581	0.0	_Acc. Vento	Combination		-1.7	0.3	2.1	0.1	4.1	4.0
3581	0.3	_Acc. Vento	Combination		-1.7	-0.3	-0.8	0.1	3.9	4.0
3581	0.6	_Acc. Vento	Combination		-1.7	-0.9	-3.7	0.1	4.5	4.1
3582	0.0	_Acc. Vento	Combination		-1.5	-0.5	3.8	-0.1	6.3	3.8
3582	0.3	_Acc. Vento	Combination		-1.5	-1.1	0.9	-0.1	5.6	4.0
3582	0.6	_Acc. Vento	Combination		-1.5	-1.7	-1.9	-0.1	5.8	4.5
3583	0.0	_Acc. Vento	Combination		0.2	0.7	-2.1	0.2	3.9	-0.5
3583	0.3	_Acc. Vento	Combination		0.2	1.5	-2.1	0.2	4.5	-0.8
3583	0.6	_Acc. Vento	Combination		0.2	2.3	-2.1	0.2	5.1	-1.4
3584	0.0	_Acc. Vento	Combination		0.6	-0.1	2.8	-0.2	6.5	0.5
3584	0.3	_Acc. Vento	Combination		0.6	0.7	2.8	-0.2	5.7	0.4

3584	0.6	_Acc. Vento	Combination		0.6	1.5	2.8	-0.2	4.8	0.1
3610	0.0	_Acc. Vento	Combination		-5.0	-84.8	14.7	0.0	2.1	-6.0
3610	0.5	_Acc. Vento	Combination		-5.0	-81.1	14.7	0.0	-5.0	34.3
3611	0.0	_Acc. Vento	Combination		4.7	-81.6	14.3	0.0	8.0	23.0
3611	0.4	_Acc. Vento	Combination		4.7	-78.9	14.3	0.0	2.9	51.8
3611	0.7	_Acc. Vento	Combination		4.7	-76.2	14.3	0.0	-2.3	79.7
3611	1.1	_Acc. Vento	Combination		4.7	-73.5	14.3	0.0	-7.4	106.6
3612	0.0	_Acc. Vento	Combination		15.6	-73.8	13.6	0.0	7.4	94.3
3612	0.4	_Acc. Vento	Combination		15.6	-71.1	13.6	0.0	2.6	120.3
3612	0.7	_Acc. Vento	Combination		15.6	-68.4	13.6	0.0	-2.3	145.4
3612	1.1	_Acc. Vento	Combination		15.6	-65.8	13.6	0.0	-7.2	169.5
3613	0.0	_Acc. Vento	Combination		26.1	-66.1	12.9	0.0	7.1	157.8
3613	0.4	_Acc. Vento	Combination		26.1	-63.4	12.9	0.0	2.5	181.0
3613	0.7	_Acc. Vento	Combination		26.1	-60.7	12.9	0.0	-2.2	203.3
3613	1.1	_Acc. Vento	Combination		26.1	-58.0	12.9	0.0	-6.8	224.6
3614	0.0	_Acc. Vento	Combination		36.0	-58.4	12.3	0.0	6.7	213.5
3614	0.4	_Acc. Vento	Combination		36.0	-55.7	12.3	0.0	2.3	234.0
3614	0.7	_Acc. Vento	Combination		36.0	-53.0	12.3	0.0	-2.1	253.5
3614	1.1	_Acc. Vento	Combination		36.0	-50.3	12.3	0.0	-6.5	272.1
3615	0.0	_Acc. Vento	Combination		44.8	-50.8	12.0	0.0	5.5	262.1
3615	0.2	_Acc. Vento	Combination		44.8	-49.6	12.0	0.0	3.5	270.4
3616	0.0	_Acc. Vento	Combination		45.7	-50.9	7.7	0.0	2.7	270.2

3616	0.5	_Acc. Vento	Combination		45.7	-47.4	7.7	0.0	-0.9	292.7
3616	0.9	_Acc. Vento	Combination		45.7	-44.0	7.7	0.0	-4.4	313.5
3617	0.0	_Acc. Vento	Combination		51.9	-44.4	7.3	0.0	4.3	306.1
3617	0.4	_Acc. Vento	Combination		51.9	-41.7	7.3	0.0	1.6	321.6
3617	0.7	_Acc. Vento	Combination		51.9	-39.1	7.3	0.0	-1.0	336.1
3617	1.1	_Acc. Vento	Combination		51.9	-36.4	7.3	0.0	-3.7	349.6
3618	0.0	_Acc. Vento	Combination		57.5	-36.7	7.0	0.0	4.0	343.1
3618	0.5	_Acc. Vento	Combination		57.5	-33.2	7.0	0.0	0.7	359.8
3618	1.0	_Acc. Vento	Combination		57.5	-29.6	7.0	0.0	-2.6	374.8
3619	0.0	_Acc. Vento	Combination		57.5	-29.6	7.0	0.6	-2.6	369.6
3619	0.1	_Acc. Vento	Combination		57.5	-28.7	7.0	0.6	-3.5	373.1
3620	0.0	_Acc. Vento	Combination		62.9	-29.5	6.7	0.0	4.1	366.3
3620	0.4	_Acc. Vento	Combination		62.9	-26.8	6.7	0.0	1.6	376.4
3620	0.7	_Acc. Vento	Combination		62.9	-24.1	6.7	0.0	-0.8	385.6
3620	1.1	_Acc. Vento	Combination		62.9	-21.4	6.7	0.0	-3.2	393.7
3621	0.0	_Acc. Vento	Combination		67.7	-22.1	7.1	0.0	3.5	387.9
3621	0.4	_Acc. Vento	Combination		67.7	-19.0	7.1	0.0	0.6	396.3
3621	0.8	_Acc. Vento	Combination		67.7	-16.0	7.1	0.0	-2.3	403.4
3622	0.0	_Acc. Vento	Combination		70.5	-17.3	-0.6	0.0	-2.6	403.4
3622	0.3	_Acc. Vento	Combination		70.5	-15.3	-0.6	0.0	-2.4	407.7
3623	0.0	_Acc. Vento	Combination		72.3	-16.1	-0.1	0.0	0.2	404.9
3623	0.4	_Acc. Vento	Combination		72.3	-13.4	-0.1	0.0	0.3	410.2

3623	0.7	_Acc. Vento	Combination		72.3	-10.7	-0.1	0.0	0.3	414.5
3623	1.1	_Acc. Vento	Combination		72.3	-8.0	-0.1	0.0	0.3	417.9
3624	0.0	_Acc. Vento	Combination		72.7	-8.5	0.3	0.0	0.9	416.8
3624	0.4	_Acc. Vento	Combination		72.7	-5.7	0.3	0.0	0.8	419.5
3624	0.8	_Acc. Vento	Combination		72.7	-2.8	0.3	0.0	0.7	421.1
3624	1.1	_Acc. Vento	Combination		72.7	0.0	0.3	0.0	0.6	421.6
3625	0.0	_Acc. Vento	Combination		73.1	-0.5	0.7	0.0	1.1	420.9
3625	0.4	_Acc. Vento	Combination		73.1	2.4	0.7	0.0	0.9	420.6
3625	0.8	_Acc. Vento	Combination		73.1	5.2	0.7	0.0	0.6	419.1
3625	1.1	_Acc. Vento	Combination		73.1	8.1	0.7	0.0	0.4	416.6
3626	0.0	_Acc. Vento	Combination		73.4	7.5	1.4	0.0	0.9	416.3
3626	0.4	_Acc. Vento	Combination		73.4	10.2	1.4	0.0	0.4	413.1
3626	0.7	_Acc. Vento	Combination		73.4	12.9	1.4	0.0	-0.1	409.0
3626	1.1	_Acc. Vento	Combination		73.4	15.6	1.4	0.0	-0.6	403.9
3627	0.0	_Acc. Vento	Combination		71.8	14.8	2.4	0.0	-2.7	405.6
3627	0.3	_Acc. Vento	Combination		71.8	16.8	2.4	0.0	-3.3	401.5
3628	0.0	_Acc. Vento	Combination		76.4	15.2	-8.7	0.0	-3.2	401.5
3628	0.4	_Acc. Vento	Combination		76.4	18.3	-8.7	0.0	0.3	394.7
3628	0.8	_Acc. Vento	Combination		76.4	21.3	-8.7	0.0	3.9	386.6
3629	0.0	_Acc. Vento	Combination		71.0	20.8	-8.0	-0.1	-3.8	392.3
3629	0.4	_Acc. Vento	Combination		71.0	23.5	-8.0	-0.1	-0.9	384.3
3629	0.7	_Acc. Vento	Combination		71.0	26.2	-8.0	-0.1	1.9	375.4

3629	1.1	_Acc. Vento	Combination		71.0	28.9	-8.0	-0.1	4.8	365.5
3630	0.0	_Acc. Vento	Combination		65.3	28.3	-7.7	-0.7	-3.7	371.8
3630	0.1	_Acc. Vento	Combination		65.3	29.2	-7.7	-0.7	-2.8	368.3
3631	0.0	_Acc. Vento	Combination		65.3	29.2	-7.7	0.0	-2.8	374.1
3631	0.5	_Acc. Vento	Combination		65.3	32.8	-7.7	0.0	0.9	359.3
3631	1.0	_Acc. Vento	Combination		65.3	36.4	-7.7	0.0	4.6	342.8
3632	0.0	_Acc. Vento	Combination		59.7	36.2	-7.1	0.0	-3.4	349.0
3632	0.4	_Acc. Vento	Combination		59.7	38.9	-7.1	0.0	-0.8	335.5
3632	0.7	_Acc. Vento	Combination		59.7	41.6	-7.1	0.0	1.7	321.0
3632	1.1	_Acc. Vento	Combination		59.7	44.3	-7.1	0.0	4.3	305.6
3633	0.0	_Acc. Vento	Combination		53.6	44.0	-6.2	-0.1	-3.8	312.6
3633	0.5	_Acc. Vento	Combination		53.6	47.4	-6.2	-0.1	-1.0	291.7
3633	0.9	_Acc. Vento	Combination		53.6	50.9	-6.2	-0.1	1.8	269.3
3634	0.0	_Acc. Vento	Combination		58.5	49.0	-16.7	0.0	2.6	269.4
3634	0.2	_Acc. Vento	Combination		58.5	50.2	-16.7	0.0	5.3	261.3
3635	0.0	_Acc. Vento	Combination		48.6	49.8	-15.4	0.0	-8.2	271.8
3635	0.4	_Acc. Vento	Combination		48.6	52.5	-15.4	0.0	-2.7	253.4
3635	0.7	_Acc. Vento	Combination		48.6	55.2	-15.4	0.0	2.9	234.1
3635	1.1	_Acc. Vento	Combination		48.6	57.9	-15.4	0.0	8.4	213.8
3636	0.0	_Acc. Vento	Combination		37.2	58.0	-14.7	0.0	-7.5	226.0
3636	0.4	_Acc. Vento	Combination		37.2	60.7	-14.7	0.0	-2.2	204.7
3636	0.7	_Acc. Vento	Combination		37.2	63.4	-14.7	0.0	3.0	182.4

3636	1.1	_Acc. Vento	Combination		37.2	66.1	-14.7	0.0	8.3	159.2
3637	0.0	_Acc. Vento	Combination		26.0	66.4	-14.2	-0.1	-7.3	171.7
3637	0.4	_Acc. Vento	Combination		26.0	69.1	-14.2	-0.1	-2.2	147.3
3637	0.7	_Acc. Vento	Combination		26.0	71.8	-14.2	-0.1	2.9	122.0
3637	1.1	_Acc. Vento	Combination		26.0	74.5	-14.2	-0.1	8.0	95.7
3638	0.0	_Acc. Vento	Combination		14.8	75.0	-13.6	-0.1	-6.9	108.4
3638	0.4	_Acc. Vento	Combination		14.8	77.7	-13.6	-0.1	-2.0	81.0
3638	0.7	_Acc. Vento	Combination		14.8	80.4	-13.6	-0.1	2.9	52.6
3638	1.1	_Acc. Vento	Combination		14.8	83.1	-13.6	-0.1	7.8	23.3
3639	0.0	_Acc. Vento	Combination		5.2	83.5	-12.6	0.0	-4.7	34.7
3639	0.5	_Acc. Vento	Combination		5.2	87.1	-12.6	0.0	1.4	-6.6
3640	0.0	_Acc. Vento	Combination		-7.5	-51.8	22.4	0.1	2.1	-1.1
3640	0.5	_Acc. Vento	Combination		-7.5	-50.5	22.4	0.1	-8.7	23.7
3641	0.0	_Acc. Vento	Combination		-6.3	-49.3	22.0	0.0	12.0	23.3
3641	0.4	_Acc. Vento	Combination		-6.3	-48.3	22.0	0.0	4.1	40.8
3641	0.7	_Acc. Vento	Combination		-6.3	-47.3	22.0	0.0	-3.8	58.0
3641	1.1	_Acc. Vento	Combination		-6.3	-46.4	22.0	0.0	-11.7	74.8
3642	0.0	_Acc. Vento	Combination		-4.8	-45.0	21.0	0.0	11.4	74.1
3642	0.4	_Acc. Vento	Combination		-4.8	-44.1	21.0	0.0	3.9	90.1
3642	0.7	_Acc. Vento	Combination		-4.8	-43.1	21.0	0.0	-3.7	105.8
3642	1.1	_Acc. Vento	Combination		-4.8	-42.1	21.0	0.0	-11.2	121.1
3643	0.0	_Acc. Vento	Combination		-3.4	-40.7	19.8	0.0	10.9	120.4

3643	0.4	_Acc. Vento	Combination		-3.4	-39.8	19.8	0.0	3.8	134.9
3643	0.7	_Acc. Vento	Combination		-3.4	-38.8	19.8	0.0	-3.4	149.0
3643	1.1	_Acc. Vento	Combination		-3.4	-37.8	19.8	0.0	-10.5	162.7
3644	0.0	_Acc. Vento	Combination		-2.2	-36.4	18.8	0.0	10.4	162.1
3644	0.4	_Acc. Vento	Combination		-2.2	-35.4	18.8	0.0	3.6	175.0
3644	0.7	_Acc. Vento	Combination		-2.2	-34.4	18.8	0.0	-3.2	187.6
3644	1.1	_Acc. Vento	Combination		-2.2	-33.5	18.8	0.0	-9.9	199.8
3645	0.0	_Acc. Vento	Combination		-0.9	-32.0	18.1	0.0	9.0	199.0
3645	0.2	_Acc. Vento	Combination		-0.9	-31.6	18.1	0.0	6.0	204.2
3646	0.0	_Acc. Vento	Combination		1.6	-29.8	12.2	0.0	4.3	204.2
3646	0.5	_Acc. Vento	Combination		1.6	-28.6	12.2	0.0	-1.2	217.6
3646	0.9	_Acc. Vento	Combination		1.6	-27.4	12.2	0.0	-6.8	230.4
3647	0.0	_Acc. Vento	Combination		3.4	-26.0	11.2	0.0	6.4	229.2
3647	0.4	_Acc. Vento	Combination		3.4	-25.0	11.2	0.0	2.4	238.3
3647	0.7	_Acc. Vento	Combination		3.4	-24.0	11.2	0.0	-1.6	247.2
3647	1.1	_Acc. Vento	Combination		3.4	-23.1	11.2	0.0	-5.7	255.6
3648	0.0	_Acc. Vento	Combination		4.7	-21.7	10.1	0.0	5.7	254.8
3648	0.5	_Acc. Vento	Combination		4.7	-20.4	10.1	0.0	0.9	264.9
3648	1.0	_Acc. Vento	Combination		4.7	-19.1	10.1	0.0	-4.0	274.3
3649	0.0	_Acc. Vento	Combination		4.7	-19.1	10.1	0.9	-4.0	273.9
3649	0.1	_Acc. Vento	Combination		4.7	-18.7	10.1	0.9	-5.2	276.2
3650	0.0	_Acc. Vento	Combination		5.1	-17.3	9.3	0.0	5.6	275.7

3650	0.4	_Acc. Vento	Combination		5.1	-16.3	9.3	0.0	2.3	281.8
3650	0.7	_Acc. Vento	Combination		5.1	-15.4	9.3	0.0	-1.0	287.5
3650	1.1	_Acc. Vento	Combination		5.1	-14.4	9.3	0.0	-4.4	292.8
3651	0.0	_Acc. Vento	Combination		4.8	-12.9	9.0	0.0	5.0	293.2
3651	0.4	_Acc. Vento	Combination		4.8	-11.8	9.0	0.0	1.4	298.2
3651	0.8	_Acc. Vento	Combination		4.8	-10.7	9.0	0.0	-2.3	302.8
3652	0.0	_Acc. Vento	Combination		8.2	-9.0	0.6	0.0	-2.9	302.8
3652	0.3	_Acc. Vento	Combination		8.2	-8.3	0.6	0.0	-3.1	305.1
3653	0.0	_Acc. Vento	Combination		8.7	-6.8	0.5	0.0	0.8	304.6
3653	0.4	_Acc. Vento	Combination		8.7	-5.9	0.5	0.0	0.6	306.9
3653	0.7	_Acc. Vento	Combination		8.7	-4.9	0.5	0.0	0.4	308.8
3653	1.1	_Acc. Vento	Combination		8.7	-3.9	0.5	0.0	0.3	310.4
3654	0.0	_Acc. Vento	Combination		9.2	-2.5	-0.1	0.0	0.7	310.2
3654	0.4	_Acc. Vento	Combination		9.2	-1.5	-0.1	0.0	0.7	310.9
3654	0.8	_Acc. Vento	Combination		9.2	-0.5	-0.1	0.0	0.8	311.3
3654	1.1	_Acc. Vento	Combination		9.2	0.5	-0.1	0.0	0.8	311.3
3655	0.0	_Acc. Vento	Combination		8.7	1.9	-0.8	0.0	0.3	312.0
3655	0.4	_Acc. Vento	Combination		8.7	2.9	-0.8	0.0	0.6	311.0
3655	0.8	_Acc. Vento	Combination		8.7	4.0	-0.8	0.0	0.9	309.7
3655	1.1	_Acc. Vento	Combination		8.7	5.0	-0.8	0.0	1.2	308.0
3656	0.0	_Acc. Vento	Combination		7.2	6.4	-1.3	0.0	-0.2	309.6
3656	0.4	_Acc. Vento	Combination		7.2	7.4	-1.3	0.0	0.3	307.1

3656	0.7	_Acc. Vento	Combination		7.2	8.3	-1.3	0.0	0.7	304.3
3656	1.1	_Acc. Vento	Combination		7.2	9.3	-1.3	0.0	1.2	301.1
3657	0.0	_Acc. Vento	Combination		5.9	10.7	-1.3	-0.1	-3.6	302.3
3657	0.3	_Acc. Vento	Combination		5.9	11.4	-1.3	-0.1	-3.3	299.4
3658	0.0	_Acc. Vento	Combination		9.8	13.1	-11.1	0.0	-3.1	299.4
3658	0.4	_Acc. Vento	Combination		9.8	14.2	-11.1	0.0	1.4	293.9
3658	0.8	_Acc. Vento	Combination		9.8	15.3	-11.1	0.0	5.9	287.8
3659	0.0	_Acc. Vento	Combination		10.5	16.5	-11.5	-0.1	-5.6	287.4
3659	0.4	_Acc. Vento	Combination		10.5	17.5	-11.5	-0.1	-1.4	281.3
3659	0.7	_Acc. Vento	Combination		10.5	18.4	-11.5	-0.1	2.7	274.9
3659	1.1	_Acc. Vento	Combination		10.5	19.4	-11.5	-0.1	6.8	268.1
3660	0.0	_Acc. Vento	Combination		10.9	20.2	-12.1	-1.1	-6.3	267.6
3660	0.1	_Acc. Vento	Combination		10.9	20.5	-12.1	-1.1	-4.9	265.1
3661	0.0	_Acc. Vento	Combination		10.9	20.5	-12.1	0.0	-4.9	266.1
3661	0.5	_Acc. Vento	Combination		10.9	21.8	-12.1	0.0	1.0	256.0
3661	1.0	_Acc. Vento	Combination		10.9	23.1	-12.1	0.0	6.8	245.2
3662	0.0	_Acc. Vento	Combination		10.5	24.0	-13.0	0.0	-6.6	245.8
3662	0.4	_Acc. Vento	Combination		10.5	24.9	-13.0	0.0	-1.9	237.1
3662	0.7	_Acc. Vento	Combination		10.5	25.9	-13.0	0.0	2.7	227.9
3662	1.1	_Acc. Vento	Combination		10.5	26.9	-13.0	0.0	7.4	218.5
3663	0.0	_Acc. Vento	Combination		9.2	27.7	-13.5	0.0	-7.5	219.7
3663	0.5	_Acc. Vento	Combination		9.2	28.9	-13.5	0.0	-1.3	206.8

3663	0.9	_Acc. Vento	Combination		9.2	30.2	-13.5	0.0	4.9	193.3
3664	0.0	_Acc. Vento	Combination		12.2	31.9	-21.4	0.0	6.3	193.3
3664	0.2	_Acc. Vento	Combination		12.2	32.3	-21.4	0.0	9.8	188.0
3665	0.0	_Acc. Vento	Combination		12.7	33.2	-21.5	0.0	-11.3	187.7
3665	0.4	_Acc. Vento	Combination		12.7	34.1	-21.5	0.0	-3.6	175.6
3665	0.7	_Acc. Vento	Combination		12.7	35.1	-21.5	0.0	4.1	163.2
3665	1.1	_Acc. Vento	Combination		12.7	36.1	-21.5	0.0	11.8	150.4
3666	0.0	_Acc. Vento	Combination		14.0	36.5	-22.3	0.0	-11.8	149.6
3666	0.4	_Acc. Vento	Combination		14.0	37.5	-22.3	0.0	-3.8	136.4
3666	0.7	_Acc. Vento	Combination		14.0	38.5	-22.3	0.0	4.3	122.7
3666	1.1	_Acc. Vento	Combination		14.0	39.4	-22.3	0.0	12.3	108.7
3667	0.0	_Acc. Vento	Combination		14.5	39.7	-23.7	0.0	-12.6	108.9
3667	0.4	_Acc. Vento	Combination		14.5	40.6	-23.7	0.0	-4.1	94.5
3667	0.7	_Acc. Vento	Combination		14.5	41.6	-23.7	0.0	4.4	79.7
3667	1.1	_Acc. Vento	Combination		14.5	42.6	-23.7	0.0	12.9	64.6
3668	0.0	_Acc. Vento	Combination		13.7	42.8	-25.2	0.0	-13.3	65.9
3668	0.4	_Acc. Vento	Combination		13.7	43.8	-25.2	0.0	-4.3	50.4
3668	0.7	_Acc. Vento	Combination		13.7	44.8	-25.2	0.0	4.8	34.5
3668	1.1	_Acc. Vento	Combination		13.7	45.7	-25.2	0.0	13.8	18.2
3669	0.0	_Acc. Vento	Combination		11.8	46.3	-27.0	-0.1	-10.2	20.7
3669	0.5	_Acc. Vento	Combination		11.8	47.6	-27.0	-0.1	2.9	-2.1
3670	0.0	_Acc. Vento	Combination		-6.8	-14.8	14.6	0.1	0.5	2.0

3670	0.5	_Acc. Vento	Combination		-6.8	-13.5	14.6	0.1	-6.5	8.9
3671	0.0	_Acc. Vento	Combination		-6.1	-15.1	14.7	0.0	8.2	8.5
3671	0.4	_Acc. Vento	Combination		-6.1	-14.1	14.7	0.0	2.9	13.8
3671	0.7	_Acc. Vento	Combination		-6.1	-13.1	14.7	0.0	-2.4	18.6
3671	1.1	_Acc. Vento	Combination		-6.1	-12.1	14.7	0.0	-7.6	23.2
3672	0.0	_Acc. Vento	Combination		-5.8	-14.1	14.4	0.0	8.1	22.9
3672	0.4	_Acc. Vento	Combination		-5.8	-13.2	14.4	0.0	2.9	27.8
3672	0.7	_Acc. Vento	Combination		-5.8	-12.2	14.4	0.0	-2.2	32.3
3672	1.1	_Acc. Vento	Combination		-5.8	-11.2	14.4	0.0	-7.4	36.5
3673	0.0	_Acc. Vento	Combination		-7.4	-13.3	13.9	0.0	7.8	37.6
3673	0.4	_Acc. Vento	Combination		-7.4	-12.4	13.9	0.0	2.9	42.2
3673	0.7	_Acc. Vento	Combination		-7.4	-11.4	13.9	0.0	-2.1	46.5
3673	1.1	_Acc. Vento	Combination		-7.4	-10.4	13.9	0.0	-7.1	50.4
3674	0.0	_Acc. Vento	Combination		-11.0	-12.3	13.5	0.0	7.4	53.2
3674	0.4	_Acc. Vento	Combination		-11.0	-11.3	13.5	0.0	2.6	57.4
3674	0.7	_Acc. Vento	Combination		-11.0	-10.4	13.5	0.0	-2.3	61.3
3674	1.1	_Acc. Vento	Combination		-11.0	-9.4	13.5	0.0	-7.1	64.9
3675	0.0	_Acc. Vento	Combination		-13.2	-10.7	13.5	0.0	5.3	66.7
3675	0.2	_Acc. Vento	Combination		-13.2	-10.2	13.5	0.0	3.1	68.4
3676	0.0	_Acc. Vento	Combination		-9.5	-7.8	4.2	0.0	0.9	68.5
3676	0.5	_Acc. Vento	Combination		-9.5	-6.5	4.2	0.0	-1.0	71.7
3676	0.9	_Acc. Vento	Combination		-9.5	-5.3	4.2	0.0	-2.9	74.4

3677	0.0	_Acc. Vento	Combination		-7.6	-7.2	4.0	0.0	2.6	72.6
3677	0.4	_Acc. Vento	Combination		-7.6	-6.2	4.0	0.0	1.2	75.0
3677	0.7	_Acc. Vento	Combination		-7.6	-5.2	4.0	0.0	-0.2	77.1
3677	1.1	_Acc. Vento	Combination		-7.6	-4.3	4.0	0.0	-1.7	78.8
3678	0.0	_Acc. Vento	Combination		-7.6	-6.6	3.5	0.0	2.4	78.4
3678	0.5	_Acc. Vento	Combination		-7.6	-5.3	3.5	0.0	0.7	81.3
3678	1.0	_Acc. Vento	Combination		-7.6	-4.0	3.5	0.0	-0.9	83.5
3679	0.0	_Acc. Vento	Combination		-7.6	-4.0	3.5	0.3	-0.9	84.2
3679	0.1	_Acc. Vento	Combination		-7.6	-3.7	3.5	0.3	-1.3	84.7
3680	0.0	_Acc. Vento	Combination		-10.3	-5.7	2.8	0.0	2.2	86.9
3680	0.4	_Acc. Vento	Combination		-10.3	-4.8	2.8	0.0	1.2	88.8
3680	0.7	_Acc. Vento	Combination		-10.3	-3.8	2.8	0.0	0.2	90.3
3680	1.1	_Acc. Vento	Combination		-10.3	-2.8	2.8	0.0	-0.8	91.5
3681	0.0	_Acc. Vento	Combination		-14.5	-4.5	2.2	0.0	1.0	95.3
3681	0.4	_Acc. Vento	Combination		-14.5	-3.4	2.2	0.0	0.1	96.9
3681	0.8	_Acc. Vento	Combination		-14.5	-2.3	2.2	0.0	-0.9	98.1
3682	0.0	_Acc. Vento	Combination		-10.7	-1.0	-7.4	0.1	-2.2	98.1
3682	0.3	_Acc. Vento	Combination		-10.7	-0.3	-7.4	0.1	-0.2	98.3
3683	0.0	_Acc. Vento	Combination		-9.5	-1.8	-7.7	0.0	-3.9	97.2
3683	0.4	_Acc. Vento	Combination		-9.5	-0.8	-7.7	0.0	-1.1	97.7
3683	0.7	_Acc. Vento	Combination		-9.5	0.2	-7.7	0.0	1.7	97.8
3683	1.1	_Acc. Vento	Combination		-9.5	1.1	-7.7	0.0	4.4	97.5

3684	0.0	_Acc. Vento	Combination		-7.0	-1.0	-8.2	0.0	-3.7	95.0
3684	0.4	_Acc. Vento	Combination		-7.0	0.0	-8.2	0.0	-0.6	95.2
3684	0.8	_Acc. Vento	Combination		-7.0	1.0	-8.2	0.0	2.5	95.0
3684	1.1	_Acc. Vento	Combination		-7.0	2.1	-8.2	0.0	5.6	94.5
3685	0.0	_Acc. Vento	Combination		-7.3	-0.4	-8.8	0.0	-4.1	94.4
3685	0.4	_Acc. Vento	Combination		-7.3	0.6	-8.8	0.0	-0.7	94.4
3685	0.8	_Acc. Vento	Combination		-7.3	1.6	-8.8	0.0	2.6	94.0
3685	1.1	_Acc. Vento	Combination		-7.3	2.6	-8.8	0.0	6.0	93.2
3686	0.0	_Acc. Vento	Combination		-10.4	0.4	-9.5	0.0	-4.7	95.8
3686	0.4	_Acc. Vento	Combination		-10.4	1.4	-9.5	0.0	-1.3	95.5
3686	0.7	_Acc. Vento	Combination		-10.4	2.4	-9.5	0.0	2.1	94.8
3686	1.1	_Acc. Vento	Combination		-10.4	3.3	-9.5	0.0	5.6	93.8
3687	0.0	_Acc. Vento	Combination		-11.8	1.7	-10.1	-0.1	-7.7	95.2
3687	0.3	_Acc. Vento	Combination		-11.8	2.5	-10.1	-0.1	-5.0	94.6
3688	0.0	_Acc. Vento	Combination		-8.7	3.8	-17.9	0.0	-5.5	94.7
3688	0.4	_Acc. Vento	Combination		-8.7	4.9	-17.9	0.0	1.8	92.9
3688	0.8	_Acc. Vento	Combination		-8.7	6.0	-17.9	0.0	9.1	90.7
3689	0.0	_Acc. Vento	Combination		-4.2	4.0	-18.3	0.0	-9.2	86.3
3689	0.4	_Acc. Vento	Combination		-4.2	5.0	-18.3	0.0	-2.6	84.7
3689	0.7	_Acc. Vento	Combination		-4.2	6.0	-18.3	0.0	3.9	82.7
3689	1.1	_Acc. Vento	Combination		-4.2	6.9	-18.3	0.0	10.5	80.4
3690	0.0	_Acc. Vento	Combination		-0.9	4.4	-18.9	-1.6	-10.0	76.4

3690	0.1	_Acc. Vento	Combination		-0.9	4.8	-18.9	-1.6	-7.7	75.8
3691	0.0	_Acc. Vento	Combination		-0.9	4.8	-18.9	0.1	-7.7	75.7
3691	0.5	_Acc. Vento	Combination		-0.9	6.0	-18.9	0.1	1.4	73.1
3691	1.0	_Acc. Vento	Combination		-0.9	7.3	-18.9	0.1	10.4	69.9
3692	0.0	_Acc. Vento	Combination		-0.6	4.5	-19.8	0.0	-10.2	69.1
3692	0.4	_Acc. Vento	Combination		-0.6	5.4	-19.8	0.0	-3.1	67.3
3692	0.7	_Acc. Vento	Combination		-0.6	6.4	-19.8	0.0	4.0	65.2
3692	1.1	_Acc. Vento	Combination		-0.6	7.4	-19.8	0.0	11.1	62.7
3693	0.0	_Acc. Vento	Combination		-2.4	4.9	-20.6	0.0	-11.4	63.9
3693	0.5	_Acc. Vento	Combination		-2.4	6.1	-20.6	0.0	-2.0	61.4
3693	0.9	_Acc. Vento	Combination		-2.4	7.4	-20.6	0.0	7.4	58.3
3694	0.0	_Acc. Vento	Combination		0.4	9.7	-27.6	0.0	7.7	58.3
3694	0.2	_Acc. Vento	Combination		0.4	10.1	-27.6	0.0	12.2	56.7
3695	0.0	_Acc. Vento	Combination		3.8	8.2	-28.2	0.0	-15.2	53.7
3695	0.4	_Acc. Vento	Combination		3.8	9.2	-28.2	0.0	-5.0	50.6
3695	0.7	_Acc. Vento	Combination		3.8	10.2	-28.2	0.0	5.1	47.1
3695	1.1	_Acc. Vento	Combination		3.8	11.1	-28.2	0.0	15.3	43.3
3696	0.0	_Acc. Vento	Combination		9.1	8.3	-28.8	0.0	-15.2	38.3
3696	0.4	_Acc. Vento	Combination		9.1	9.3	-28.8	0.0	-4.9	35.1
3696	0.7	_Acc. Vento	Combination		9.1	10.3	-28.8	0.0	5.5	31.6
3696	1.1	_Acc. Vento	Combination		9.1	11.2	-28.8	0.0	15.8	27.8
3697	0.0	_Acc. Vento	Combination		11.8	7.9	-29.3	0.0	-15.5	24.8

3697	0.4	_Acc. Vento	Combination		11.8	8.9	-29.3	0.0	-5.0	21.8
3697	0.7	_Acc. Vento	Combination		11.8	9.8	-29.3	0.0	5.5	18.4
3697	1.1	_Acc. Vento	Combination		11.8	10.8	-29.3	0.0	16.1	14.7
3698	0.0	_Acc. Vento	Combination		11.5	7.5	-29.2	0.0	-15.4	14.2
3698	0.4	_Acc. Vento	Combination		11.5	8.5	-29.2	0.0	-4.9	11.3
3698	0.7	_Acc. Vento	Combination		11.5	9.4	-29.2	0.0	5.6	8.1
3698	1.1	_Acc. Vento	Combination		11.5	10.4	-29.2	0.0	16.0	4.5
3699	0.0	_Acc. Vento	Combination		9.4	7.7	-28.1	-0.1	-10.4	5.7
3699	0.5	_Acc. Vento	Combination		9.4	9.0	-28.1	-0.1	3.2	1.6
3700	0.0	_Acc. Vento	Combination		-11.4	12.0	22.8	0.0	3.5	4.2
3700	0.5	_Acc. Vento	Combination		-11.4	11.0	18.2	0.0	-6.4	-1.4
3701	0.0	_Acc. Vento	Combination		-21.3	11.9	21.5	0.0	9.4	9.4
3701	0.4	_Acc. Vento	Combination		-21.3	11.2	18.0	0.0	2.3	5.2
3701	0.7	_Acc. Vento	Combination		-21.3	10.4	14.5	0.0	-3.5	1.3
3701	1.1	_Acc. Vento	Combination		-21.3	9.7	11.1	0.0	-8.1	-2.3
3702	0.0	_Acc. Vento	Combination		-31.2	11.0	15.6	0.0	5.8	8.2
3702	0.4	_Acc. Vento	Combination		-31.2	10.2	12.1	0.0	0.8	4.4
3702	0.7	_Acc. Vento	Combination		-31.2	9.5	8.6	0.0	-2.9	0.9
3702	1.1	_Acc. Vento	Combination		-31.2	8.7	5.2	0.0	-5.4	-2.4
3703	0.0	_Acc. Vento	Combination		-38.6	10.2	10.0	0.0	2.9	5.9
3703	0.4	_Acc. Vento	Combination		-38.6	9.4	6.5	0.0	-0.1	2.3
3703	0.7	_Acc. Vento	Combination		-38.6	8.7	3.0	0.0	-1.8	-0.9

3703	1.1	_Acc. Vento	Combination		-38.6	7.9	-0.4	0.0	-2.2	-3.9
3704	0.0	_Acc. Vento	Combination		-43.3	9.2	3.7	0.0	0.7	1.9
3704	0.4	_Acc. Vento	Combination		-43.3	8.4	0.3	0.0	0.0	-1.2
3704	0.7	_Acc. Vento	Combination		-43.3	7.7	-3.2	0.0	0.5	-4.1
3704	1.1	_Acc. Vento	Combination		-43.3	6.9	-6.7	0.0	2.3	-6.7
3705	0.0	_Acc. Vento	Combination		-47.9	7.7	-3.6	0.3	6.7	-1.1
3705	0.2	_Acc. Vento	Combination		-47.9	7.4	-5.2	0.3	7.4	-2.3
3706	0.0	_Acc. Vento	Combination		-55.7	5.8	16.6	0.0	6.3	-2.2
3706	0.5	_Acc. Vento	Combination		-55.7	4.8	12.2	0.0	-0.2	-4.7
3706	0.9	_Acc. Vento	Combination		-55.7	3.9	7.8	0.0	-4.8	-6.6
3707	0.0	_Acc. Vento	Combination		-61.5	5.1	11.5	0.0	3.9	-0.4
3707	0.4	_Acc. Vento	Combination		-61.5	4.3	8.0	0.0	0.4	-2.1
3707	0.7	_Acc. Vento	Combination		-61.5	3.6	4.6	0.0	-1.8	-3.5
3707	1.1	_Acc. Vento	Combination		-61.5	2.8	1.1	0.0	-2.9	-4.6
3708	0.0	_Acc. Vento	Combination		-64.8	4.3	5.5	0.0	0.5	-0.9
3708	0.5	_Acc. Vento	Combination		-64.8	3.3	0.9	0.0	-1.0	-2.7
3708	1.0	_Acc. Vento	Combination		-64.8	2.3	-3.7	0.0	-0.3	-4.1
3709	0.0	_Acc. Vento	Combination		-64.8	2.3	-3.7	-0.3	-0.3	1.8
3709	0.1	_Acc. Vento	Combination		-64.8	2.1	-4.9	-0.3	0.2	1.5
3710	0.0	_Acc. Vento	Combination		-64.9	3.4	-1.1	0.0	-2.8	2.2
3710	0.4	_Acc. Vento	Combination		-64.9	2.7	-4.6	0.0	-1.8	1.1
3710	0.7	_Acc. Vento	Combination		-64.9	1.9	-8.0	0.0	0.5	0.3

3710	1.1	_Acc. Vento	Combination		-64.9	1.1	-11.5	0.0	4.0	-0.2
3711	0.0	_Acc. Vento	Combination		-62.4	2.1	-9.0	0.1	-2.9	-2.0
3711	0.4	_Acc. Vento	Combination		-62.4	1.2	-12.9	0.1	1.6	-2.7
3711	0.8	_Acc. Vento	Combination		-62.4	0.4	-16.9	0.1	7.7	-3.0
3712	0.0	_Acc. Vento	Combination		-73.1	-0.8	11.5	-0.2	6.9	-3.0
3712	0.3	_Acc. Vento	Combination		-73.1	-1.3	8.9	-0.2	4.2	-2.8
3713	0.0	_Acc. Vento	Combination		-73.2	-0.6	11.0	0.0	4.8	-2.4
3713	0.4	_Acc. Vento	Combination		-73.2	-1.3	7.5	0.0	1.5	-2.1
3713	0.7	_Acc. Vento	Combination		-73.2	-2.1	4.1	0.0	-0.6	-1.5
3713	1.1	_Acc. Vento	Combination		-73.2	-2.8	0.6	0.0	-1.5	-0.6
3714	0.0	_Acc. Vento	Combination		-72.7	-1.6	3.4	0.0	-1.2	-1.2
3714	0.4	_Acc. Vento	Combination		-72.7	-2.4	-0.2	0.0	-1.8	-0.4
3714	0.8	_Acc. Vento	Combination		-72.7	-3.2	-3.9	0.0	-1.0	0.6
3714	1.1	_Acc. Vento	Combination		-72.7	-4.0	-7.6	0.0	1.2	2.0
3715	0.0	_Acc. Vento	Combination		-68.9	-2.5	-4.3	0.0	-5.5	-2.1
3715	0.4	_Acc. Vento	Combination		-68.9	-3.3	-8.0	0.0	-3.2	-1.0
3715	0.8	_Acc. Vento	Combination		-68.9	-4.1	-11.7	0.0	0.5	0.5
3715	1.1	_Acc. Vento	Combination		-68.9	-4.9	-15.3	0.0	5.7	2.2
3716	0.0	_Acc. Vento	Combination		-61.7	-3.7	-12.8	0.0	-7.8	-5.3
3716	0.4	_Acc. Vento	Combination		-61.7	-4.5	-16.2	0.0	-2.6	-3.9
3716	0.7	_Acc. Vento	Combination		-61.7	-5.2	-19.7	0.0	3.9	-2.1
3716	1.1	_Acc. Vento	Combination		-61.7	-6.0	-23.2	0.0	11.6	-0.1

3717	0.0	_Acc. Vento	Combination		-54.2	-5.3	-21.5	0.2	-0.8	-8.0
3717	0.3	_Acc. Vento	Combination		-54.2	-5.8	-24.1	0.2	5.2	-6.5
3718	0.0	_Acc. Vento	Combination		-66.5	-7.2	7.0	-0.1	4.9	-6.6
3718	0.4	_Acc. Vento	Combination		-66.5	-8.0	3.1	-0.1	2.9	-3.5
3718	0.8	_Acc. Vento	Combination		-66.5	-8.9	-0.9	-0.1	2.4	-0.1
3719	0.0	_Acc. Vento	Combination		-62.5	-7.8	1.2	-0.1	-1.8	-5.2
3719	0.4	_Acc. Vento	Combination		-62.5	-8.5	-2.3	-0.1	-1.6	-2.3
3719	0.7	_Acc. Vento	Combination		-62.5	-9.3	-5.7	-0.1	-0.1	0.9
3719	1.1	_Acc. Vento	Combination		-62.5	-10.0	-9.2	-0.1	2.5	4.4
3720	0.0	_Acc. Vento	Combination		-56.4	-7.9	-6.2	-0.6	-6.2	-3.3
3720	0.1	_Acc. Vento	Combination		-56.4	-8.2	-7.4	-0.6	-5.4	-2.3
3721	0.0	_Acc. Vento	Combination		-56.4	-8.2	-7.4	0.0	-5.4	-7.4
3721	0.5	_Acc. Vento	Combination		-56.4	-9.2	-12.0	0.0	-0.7	-3.2
3721	1.0	_Acc. Vento	Combination		-56.4	-10.2	-16.7	0.0	6.1	1.4
3722	0.0	_Acc. Vento	Combination		-47.5	-8.4	-13.1	0.0	-9.5	-8.2
3722	0.4	_Acc. Vento	Combination		-47.5	-9.2	-16.5	0.0	-4.1	-5.1
3722	0.7	_Acc. Vento	Combination		-47.5	-9.9	-20.0	0.0	2.4	-1.6
3722	1.1	_Acc. Vento	Combination		-47.5	-10.7	-23.5	0.0	10.2	2.1
3723	0.0	_Acc. Vento	Combination		-35.1	-9.3	-20.9	0.0	-11.4	-10.6
3723	0.5	_Acc. Vento	Combination		-35.1	-10.3	-25.3	0.0	-0.8	-6.1
3723	0.9	_Acc. Vento	Combination		-35.1	-11.2	-29.7	0.0	11.7	-1.2
3724	0.0	_Acc. Vento	Combination		-46.2	-13.4	-2.3	-0.3	11.7	-1.4

3724	0.2	_Acc. Vento	Combination		-46.2	-13.7	-3.9	-0.3	12.2	0.8
3725	0.0	_Acc. Vento	Combination		-36.1	-12.8	-2.2	0.0	-2.5	-10.1
3725	0.4	_Acc. Vento	Combination		-36.1	-13.5	-5.7	0.0	-1.1	-5.4
3725	0.7	_Acc. Vento	Combination		-36.1	-14.3	-9.1	0.0	1.5	-0.4
3725	1.1	_Acc. Vento	Combination		-36.1	-15.0	-12.6	0.0	5.4	4.9
3726	0.0	_Acc. Vento	Combination		-26.8	-13.3	-9.6	0.0	-7.8	-5.8
3726	0.4	_Acc. Vento	Combination		-26.8	-14.1	-13.0	0.0	-3.8	-0.9
3726	0.7	_Acc. Vento	Combination		-26.8	-14.8	-16.5	0.0	1.6	4.3
3726	1.1	_Acc. Vento	Combination		-26.8	-15.6	-20.0	0.0	8.1	9.8
3727	0.0	_Acc. Vento	Combination		-14.9	-13.4	-16.0	0.0	-11.4	-3.4
3727	0.4	_Acc. Vento	Combination		-14.9	-14.2	-19.5	0.0	-5.0	1.5
3727	0.7	_Acc. Vento	Combination		-14.9	-14.9	-22.9	0.0	2.6	6.8
3727	1.1	_Acc. Vento	Combination		-14.9	-15.7	-26.4	0.0	11.5	12.3
3728	0.0	_Acc. Vento	Combination		-0.1	-13.4	-22.6	0.0	-14.1	-3.5
3728	0.4	_Acc. Vento	Combination		-0.1	-14.2	-26.0	0.0	-5.4	1.5
3728	0.7	_Acc. Vento	Combination		-0.1	-14.9	-29.5	0.0	4.6	6.7
3728	1.1	_Acc. Vento	Combination		-0.1	-15.7	-33.0	0.0	15.8	12.2
3729	0.0	_Acc. Vento	Combination		14.1	-13.7	-30.1	0.1	-9.4	-3.0
3729	0.5	_Acc. Vento	Combination		14.1	-14.8	-34.8	0.1	6.3	3.9
3730	0.0	_Acc. Vento	Combination		30.7	-24.7	26.0	-0.1	3.1	34.2
3730	0.5	_Acc. Vento	Combination		30.7	-23.4	26.0	-0.1	-9.4	45.8
3731	0.0	_Acc. Vento	Combination		29.0	-23.6	23.4	0.0	12.8	47.3

3731	0.4	_Acc. Vento	Combination		29.0	-22.6	23.4	0.0	4.4	55.6
3731	0.7	_Acc. Vento	Combination		29.0	-21.6	23.4	0.0	-4.0	63.5
3731	1.1	_Acc. Vento	Combination		29.0	-20.7	23.4	0.0	-12.4	71.1
3732	0.0	_Acc. Vento	Combination		26.2	-21.0	20.8	0.0	11.3	73.9
3732	0.4	_Acc. Vento	Combination		26.2	-20.0	20.8	0.0	3.8	81.3
3732	0.7	_Acc. Vento	Combination		26.2	-19.1	20.8	0.0	-3.7	88.3
3732	1.1	_Acc. Vento	Combination		26.2	-18.1	20.8	0.0	-11.2	95.0
3733	0.0	_Acc. Vento	Combination		23.2	-18.5	18.4	0.0	10.0	98.1
3733	0.4	_Acc. Vento	Combination		23.2	-17.5	18.4	0.0	3.4	104.5
3733	0.7	_Acc. Vento	Combination		23.2	-16.6	18.4	0.0	-3.2	110.7
3733	1.1	_Acc. Vento	Combination		23.2	-15.6	18.4	0.0	-9.8	116.4
3734	0.0	_Acc. Vento	Combination		20.4	-16.0	16.2	0.0	9.0	119.5
3734	0.4	_Acc. Vento	Combination		20.4	-15.0	16.2	0.0	3.2	125.1
3734	0.7	_Acc. Vento	Combination		20.4	-14.1	16.2	0.0	-2.7	130.3
3734	1.1	_Acc. Vento	Combination		20.4	-13.1	16.2	0.0	-8.5	135.2
3735	0.0	_Acc. Vento	Combination		17.2	-13.6	14.2	0.0	8.5	138.5
3735	0.2	_Acc. Vento	Combination		17.2	-13.1	14.2	0.0	6.1	140.7
3736	0.0	_Acc. Vento	Combination		17.8	-14.5	11.8	0.0	4.4	140.7
3736	0.5	_Acc. Vento	Combination		17.8	-13.2	11.8	0.0	-1.0	147.0
3736	0.9	_Acc. Vento	Combination		17.8	-12.0	11.8	0.0	-6.5	152.7
3737	0.0	_Acc. Vento	Combination		13.7	-12.3	9.7	0.0	5.5	156.9
3737	0.4	_Acc. Vento	Combination		13.7	-11.4	9.7	0.0	2.0	161.2

3737	0.7	_Acc. Vento	Combination		13.7	-10.4	9.7	0.0	-1.4	165.1
3737	1.1	_Acc. Vento	Combination		13.7	-9.4	9.7	0.0	-4.9	168.7
3738	0.0	_Acc. Vento	Combination		10.2	-9.6	7.3	0.0	4.2	172.5
3738	0.5	_Acc. Vento	Combination		10.2	-8.3	7.3	0.0	0.7	176.8
3738	1.0	_Acc. Vento	Combination		10.2	-7.0	7.3	0.0	-2.9	180.5
3739	0.0	_Acc. Vento	Combination		10.2	-7.0	7.3	0.6	-2.9	179.5
3739	0.1	_Acc. Vento	Combination		10.2	-6.7	7.3	0.6	-3.7	180.4
3740	0.0	_Acc. Vento	Combination		7.2	-6.6	5.3	0.0	3.4	183.9
3740	0.4	_Acc. Vento	Combination		7.2	-5.7	5.3	0.0	1.5	186.1
3740	0.7	_Acc. Vento	Combination		7.2	-4.7	5.3	0.0	-0.4	188.0
3740	1.1	_Acc. Vento	Combination		7.2	-3.7	5.3	0.0	-2.3	189.5
3741	0.0	_Acc. Vento	Combination		4.4	-3.7	3.3	0.0	2.5	192.9
3741	0.4	_Acc. Vento	Combination		4.4	-2.6	3.3	0.0	1.2	194.2
3741	0.8	_Acc. Vento	Combination		4.4	-1.5	3.3	0.0	-0.1	195.0
3742	0.0	_Acc. Vento	Combination		5.2	-2.1	0.5	0.1	-1.1	195.0
3742	0.3	_Acc. Vento	Combination		5.2	-1.4	0.5	0.1	-1.2	195.5
3743	0.0	_Acc. Vento	Combination		1.7	-1.4	-1.5	0.0	-0.2	199.5
3743	0.4	_Acc. Vento	Combination		1.7	-0.4	-1.5	0.0	0.3	199.8
3743	0.7	_Acc. Vento	Combination		1.7	0.5	-1.5	0.0	0.8	199.8
3743	1.1	_Acc. Vento	Combination		1.7	1.5	-1.5	0.0	1.4	199.4
3744	0.0	_Acc. Vento	Combination		-2.2	1.6	-3.7	0.0	-1.5	203.9
3744	0.4	_Acc. Vento	Combination		-2.2	2.6	-3.7	0.0	-0.1	203.1

3744	0.8	_Acc. Vento	Combination		-2.2	3.6	-3.7	0.0	1.3	201.9
3744	1.1	_Acc. Vento	Combination		-2.2	4.6	-3.7	0.0	2.7	200.3
3745	0.0	_Acc. Vento	Combination		-5.6	4.8	-5.9	0.0	-2.7	204.4
3745	0.4	_Acc. Vento	Combination		-5.6	5.8	-5.9	0.0	-0.5	202.4
3745	0.8	_Acc. Vento	Combination		-5.6	6.9	-5.9	0.0	1.8	200.0
3745	1.1	_Acc. Vento	Combination		-5.6	7.9	-5.9	0.0	4.0	197.2
3746	0.0	_Acc. Vento	Combination		-8.6	8.1	-8.1	0.0	-3.7	200.8
3746	0.4	_Acc. Vento	Combination		-8.6	9.1	-8.1	0.0	-0.8	197.7
3746	0.7	_Acc. Vento	Combination		-8.6	10.0	-8.1	0.0	2.1	194.3
3746	1.1	_Acc. Vento	Combination		-8.6	11.0	-8.1	0.0	5.0	190.5
3747	0.0	_Acc. Vento	Combination		-11.7	11.3	-10.2	-0.1	-5.5	194.0
3747	0.3	_Acc. Vento	Combination		-11.7	12.0	-10.2	-0.1	-2.8	191.0
3748	0.0	_Acc. Vento	Combination		-11.0	11.8	-12.6	0.0	-3.0	191.0
3748	0.4	_Acc. Vento	Combination		-11.0	12.9	-12.6	0.0	2.2	186.0
3748	0.8	_Acc. Vento	Combination		-11.0	14.0	-12.6	0.0	7.3	180.5
3749	0.0	_Acc. Vento	Combination		-14.8	14.2	-14.6	-0.1	-7.3	184.7
3749	0.4	_Acc. Vento	Combination		-14.8	15.1	-14.6	-0.1	-2.1	179.5
3749	0.7	_Acc. Vento	Combination		-14.8	16.1	-14.6	-0.1	3.2	173.9
3749	1.1	_Acc. Vento	Combination		-14.8	17.1	-14.6	-0.1	8.4	167.9
3750	0.0	_Acc. Vento	Combination		-18.7	17.3	-16.5	-1.4	-8.9	171.7
3750	0.1	_Acc. Vento	Combination		-18.7	17.6	-16.5	-1.4	-6.9	169.6
3751	0.0	_Acc. Vento	Combination		-18.7	17.6	-16.5	0.1	-6.9	167.9

3751	0.5	_Acc. Vento	Combination		-18.7	18.9	-16.5	0.1	1.0	159.2
3751	1.0	_Acc. Vento	Combination		-18.7	20.2	-16.5	0.1	8.9	149.8
3752	0.0	_Acc. Vento	Combination		-22.1	20.7	-18.9	0.0	-9.9	153.4
3752	0.4	_Acc. Vento	Combination		-22.1	21.6	-18.9	0.0	-3.1	145.8
3752	0.7	_Acc. Vento	Combination		-22.1	22.6	-18.9	0.0	3.7	137.8
3752	1.1	_Acc. Vento	Combination		-22.1	23.6	-18.9	0.0	10.5	129.5
3753	0.0	_Acc. Vento	Combination		-25.3	24.1	-21.2	0.0	-11.3	132.8
3753	0.5	_Acc. Vento	Combination		-25.3	25.3	-21.2	0.0	-1.6	121.6
3753	0.9	_Acc. Vento	Combination		-25.3	26.6	-21.2	0.0	8.0	109.7
3754	0.0	_Acc. Vento	Combination		-25.0	26.5	-23.3	0.0	8.7	109.7
3754	0.2	_Acc. Vento	Combination		-25.0	27.0	-23.3	0.0	12.5	105.2
3755	0.0	_Acc. Vento	Combination		-29.0	27.5	-25.4	0.0	-13.5	109.0
3755	0.4	_Acc. Vento	Combination		-29.0	28.5	-25.4	0.0	-4.3	98.9
3755	0.7	_Acc. Vento	Combination		-29.0	29.5	-25.4	0.0	4.8	88.5
3755	1.1	_Acc. Vento	Combination		-29.0	30.4	-25.4	0.0	13.9	77.8
3756	0.0	_Acc. Vento	Combination		-33.5	31.0	-27.8	0.0	-14.9	81.9
3756	0.4	_Acc. Vento	Combination		-33.5	32.0	-27.8	0.0	-4.9	70.6
3756	0.7	_Acc. Vento	Combination		-33.5	32.9	-27.8	0.0	5.1	58.9
3756	1.1	_Acc. Vento	Combination		-33.5	33.9	-27.8	0.0	15.1	46.9
3757	0.0	_Acc. Vento	Combination		-37.3	34.5	-30.5	0.0	-16.4	50.4
3757	0.4	_Acc. Vento	Combination		-37.3	35.4	-30.5	0.0	-5.5	37.9
3757	0.7	_Acc. Vento	Combination		-37.3	36.4	-30.5	0.0	5.5	25.0

3757	1.1	_Acc. Vento	Combination		-37.3	37.4	-30.5	0.0	16.4	11.7
3758	0.0	_Acc. Vento	Combination		-39.9	37.7	-33.4	0.0	-17.8	14.0
3758	0.4	_Acc. Vento	Combination		-39.9	38.7	-33.4	0.0	-5.7	0.2
3758	0.7	_Acc. Vento	Combination		-39.9	39.6	-33.4	0.0	6.3	-13.8
3758	1.1	_Acc. Vento	Combination		-39.9	40.6	-33.4	0.0	18.3	-28.2
3759	0.0	_Acc. Vento	Combination		-40.5	40.4	-36.7	0.2	-12.5	-28.0
3759	0.5	_Acc. Vento	Combination		-40.5	41.7	-36.7	0.2	5.2	-47.9

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
3575	0.0	C_SLE_rara_ENV	Combination	Max	22.5	67.6	5.5	0.4	22.4	16.1
3575	0.3	C_SLE_rara_ENV	Combination	Max	22.5	69.0	5.5	0.4	25.5	11.8
3575	0.6	C_SLE_rara_ENV	Combination	Max	22.5	70.3	5.5	0.4	28.7	7.2
3575	0.0	C_SLE_rara_ENV	Combination	Min	-7.5	-1.5	-49.1	-0.2	-14.1	-23.6
3575	0.3	C_SLE_rara_ENV	Combination	Min	-7.5	-0.2	-49.1	-0.2	-8.0	-31.9
3575	0.6	C_SLE_rara_ENV	Combination	Min	-7.5	1.1	-49.1	-0.2	-4.0	-40.5
3576	0.0	C_SLE_rara_ENV	Combination	Max	11.0	0.9	54.0	0.1	26.9	9.7
3576	0.3	C_SLE_rara_ENV	Combination	Max	11.0	2.3	54.0	0.1	25.0	13.5
3576	0.6	C_SLE_rara_ENV	Combination	Max	11.0	3.6	54.0	0.1	23.1	16.9
3576	0.0	C_SLE_rara_ENV	Combination	Min	-25.9	-76.6	-9.9	-0.4	-1.9	-48.6
3576	0.3	C_SLE_rara_ENV	Combination	Min	-25.9	-75.3	-9.9	-0.4	-9.1	-37.0
3576	0.6	C_SLE_rara_ENV	Combination	Min	-25.9	-73.9	-9.9	-0.4	-17.2	-25.7

3577	0.0	C_SLE_rara_ENV	Combination	Max	30.2	154.0	72.2	0.3	33.4	27.3
3577	0.3	C_SLE_rara_ENV	Combination	Max	30.2	154.5	72.2	0.3	24.8	23.3
3577	0.6	C_SLE_rara_ENV	Combination	Max	30.2	155.0	72.2	0.3	16.3	19.3
3577	0.0	C_SLE_rara_ENV	Combination	Min	-37.2	-2.6	-17.7	-0.3	-17.5	-26.0
3577	0.3	C_SLE_rara_ENV	Combination	Min	-37.2	-2.1	-17.7	-0.3	-22.1	-58.2
3577	0.6	C_SLE_rara_ENV	Combination	Min	-37.2	-1.6	-17.7	-0.3	-26.7	-90.5
3578	0.0	C_SLE_rara_ENV	Combination	Max	40.1	5.8	22.5	0.3	19.3	20.3
3578	0.3	C_SLE_rara_ENV	Combination	Max	40.1	6.3	22.5	0.3	25.3	25.3
3578	0.6	C_SLE_rara_ENV	Combination	Max	40.1	6.8	22.5	0.3	31.2	30.2
3578	0.0	C_SLE_rara_ENV	Combination	Min	-21.7	-148.1	-65.9	-0.3	-25.3	-84.9
3578	0.3	C_SLE_rara_ENV	Combination	Min	-21.7	-147.7	-65.9	-0.3	-21.2	-56.9
3578	0.6	C_SLE_rara_ENV	Combination	Min	-21.7	-147.2	-65.9	-0.3	-17.1	-29.1
3579	0.0	C_SLE_rara_ENV	Combination	Max	17.3	60.8	1.9	0.3	15.4	32.6
3579	0.3	C_SLE_rara_ENV	Combination	Max	17.3	61.3	1.9	0.3	18.1	29.1
3579	0.6	C_SLE_rara_ENV	Combination	Max	17.3	61.8	1.9	0.3	20.7	25.6
3579	0.0	C_SLE_rara_ENV	Combination	Min	-23.0	-4.1	-28.8	-0.2	-8.6	-14.2
3579	0.3	C_SLE_rara_ENV	Combination	Min	-23.0	-3.6	-28.8	-0.2	-5.0	-24.4
3579	0.6	C_SLE_rara_ENV	Combination	Min	-23.0	-3.1	-28.8	-0.2	-1.5	-34.7
3580	0.0	C_SLE_rara_ENV	Combination	Max	13.9	4.2	21.5	0.2	18.6	27.1
3580	0.3	C_SLE_rara_ENV	Combination	Max	13.9	4.6	21.5	0.2	18.0	29.7
3580	0.6	C_SLE_rara_ENV	Combination	Max	13.9	5.1	21.5	0.2	17.3	32.3
3580	0.0	C_SLE_rara_ENV	Combination	Min	-31.6	-62.8	-5.0	-0.4	-1.0	-36.3

3580	0.3	C_SLE_rara_ENV	Combination	Min	-31.6	-62.4	-5.0	-0.4	-3.4	-24.9
3580	0.6	C_SLE_rara_ENV	Combination	Min	-31.6	-61.9	-5.0	-0.4	-5.7	-13.7
3581	0.0	C_SLE_rara_ENV	Combination	Max	7.6	11.8	16.0	0.3	11.8	32.2
3581	0.3	C_SLE_rara_ENV	Combination	Max	7.6	11.4	14.3	0.3	8.9	32.8
3581	0.6	C_SLE_rara_ENV	Combination	Max	7.6	11.0	12.5	0.3	7.8	33.6
3581	0.0	C_SLE_rara_ENV	Combination	Min	-13.2	-5.9	-9.5	-0.1	-3.5	-5.5
3581	0.3	C_SLE_rara_ENV	Combination	Min	-13.2	-6.3	-11.2	-0.1	-2.5	-6.4
3581	0.6	C_SLE_rara_ENV	Combination	Min	-13.2	-6.6	-12.9	-0.1	-1.4	-7.3
3582	0.0	C_SLE_rara_ENV	Combination	Max	5.7	3.4	11.0	0.1	13.0	28.9
3582	0.3	C_SLE_rara_ENV	Combination	Max	5.7	3.0	9.3	0.1	11.9	29.4
3582	0.6	C_SLE_rara_ENV	Combination	Max	5.7	2.6	7.6	0.1	11.3	30.1
3582	0.0	C_SLE_rara_ENV	Combination	Min	-10.9	-11.5	-4.5	-0.4	0.0	-6.1
3582	0.3	C_SLE_rara_ENV	Combination	Min	-10.9	-11.9	-6.3	-0.4	-0.8	-5.2
3582	0.6	C_SLE_rara_ENV	Combination	Min	-10.9	-12.3	-8.0	-0.4	-1.3	-4.2
3583	0.0	C_SLE_rara_ENV	Combination	Max	37.4	195.9	34.5	0.4	20.1	45.1
3583	0.3	C_SLE_rara_ENV	Combination	Max	37.4	196.3	34.5	0.4	17.5	34.5
3583	0.6	C_SLE_rara_ENV	Combination	Max	37.4	196.8	34.5	0.4	14.9	26.2
3583	0.0	C_SLE_rara_ENV	Combination	Min	-35.2	-3.0	-15.3	-0.2	-10.6	-41.7
3583	0.3	C_SLE_rara_ENV	Combination	Min	-35.2	-2.6	-15.3	-0.2	-11.5	-75.8
3583	0.6	C_SLE_rara_ENV	Combination	Min	-35.2	-2.1	-15.3	-0.2	-12.5	-110.0
3584	0.0	C_SLE_rara_ENV	Combination	Max	40.1	3.3	9.1	0.1	15.3	28.1
3584	0.3	C_SLE_rara_ENV	Combination	Max	40.1	3.8	9.1	0.1	17.7	36.5

3584	0.6	C_SLE_rara_ENV	Combination	Max	40.1	4.2	9.1	0.1	20.2	48.2
3584	0.0	C_SLE_rara_ENV	Combination	Min	-26.3	-191.9	-33.0	-0.5	-11.8	-105.7
3584	0.3	C_SLE_rara_ENV	Combination	Min	-26.3	-191.4	-33.0	-0.5	-9.7	-74.3
3584	0.6	C_SLE_rara_ENV	Combination	Min	-26.3	-190.9	-33.0	-0.5	-7.5	-43.0
3610	0.0	C_SLE_rara_ENV	Combination	Max	7.4	-50.4	125.2	0.3	25.9	7.5
3610	0.5	C_SLE_rara_ENV	Combination	Max	7.4	-48.2	125.2	0.3	4.8	237.5
3610	0.0	C_SLE_rara_ENV	Combination	Min	-55.0	-510.4	-5.9	-0.3	-3.9	-41.0
3610	0.5	C_SLE_rara_ENV	Combination	Min	-55.0	-508.3	-5.9	-0.3	-40.1	13.0
3611	0.0	C_SLE_rara_ENV	Combination	Max	21.8	-48.5	86.3	0.3	42.9	233.4
3611	0.4	C_SLE_rara_ENV	Combination	Max	21.8	-46.9	86.3	0.3	29.1	406.1
3611	0.7	C_SLE_rara_ENV	Combination	Max	21.8	-45.3	86.3	0.3	15.2	578.2
3611	1.1	C_SLE_rara_ENV	Combination	Max	21.8	-43.7	86.3	0.3	2.3	749.7
3611	0.0	C_SLE_rara_ENV	Combination	Min	-32.2	-494.5	-6.2	-0.2	-6.0	3.5
3611	0.4	C_SLE_rara_ENV	Combination	Min	-32.2	-492.9	-6.2	-0.2	-20.8	21.7
3611	0.7	C_SLE_rara_ENV	Combination	Min	-32.2	-491.3	-6.2	-0.2	-35.6	39.2
3611	1.1	C_SLE_rara_ENV	Combination	Min	-32.2	-489.7	-6.2	-0.2	-50.5	56.2
3612	0.0	C_SLE_rara_ENV	Combination	Max	39.8	-44.2	56.5	0.3	24.8	749.1
3612	0.4	C_SLE_rara_ENV	Combination	Max	39.8	-42.5	56.5	0.3	19.2	914.0
3612	0.7	C_SLE_rara_ENV	Combination	Max	39.8	-40.9	56.5	0.3	13.6	1078.2
3612	1.1	C_SLE_rara_ENV	Combination	Max	39.8	-39.3	56.5	0.3	8.1	1241.8
3612	0.0	C_SLE_rara_ENV	Combination	Min	-20.3	-472.1	-24.5	-0.2	-19.0	49.3
3612	0.4	C_SLE_rara_ENV	Combination	Min	-20.3	-470.4	-24.5	-0.2	-25.0	65.3

3612	0.7	C_SLE_rara_ENV	Combination	Min	-20.3	-468.8	-24.5	-0.2	-31.0	80.7
3612	1.1	C_SLE_rara_ENV	Combination	Min	-20.3	-467.2	-24.5	-0.2	-36.9	95.5
3613	0.0	C_SLE_rara_ENV	Combination	Max	48.4	-39.5	29.7	0.3	12.4	1249.5
3613	0.4	C_SLE_rara_ENV	Combination	Max	48.4	-37.9	29.7	0.3	15.2	1403.0
3613	0.7	C_SLE_rara_ENV	Combination	Max	48.4	-36.3	29.7	0.3	19.3	1555.9
3613	1.1	C_SLE_rara_ENV	Combination	Max	48.4	-34.7	29.7	0.3	23.4	1708.3
3613	0.0	C_SLE_rara_ENV	Combination	Min	-14.5	-445.6	-53.5	-0.2	-35.0	89.4
3613	0.4	C_SLE_rara_ENV	Combination	Min	-14.5	-444.0	-53.5	-0.2	-30.2	103.7
3613	0.7	C_SLE_rara_ENV	Combination	Min	-14.5	-442.4	-53.5	-0.2	-25.4	117.4
3613	1.1	C_SLE_rara_ENV	Combination	Min	-14.5	-440.7	-53.5	-0.2	-20.6	130.6
3614	0.0	C_SLE_rara_ENV	Combination	Max	49.1	-34.6	20.3	0.4	10.2	1719.6
3614	0.4	C_SLE_rara_ENV	Combination	Max	49.1	-33.0	20.3	0.4	24.2	1858.1
3614	0.7	C_SLE_rara_ENV	Combination	Max	49.1	-31.4	20.3	0.4	39.2	1996.0
3614	1.1	C_SLE_rara_ENV	Combination	Max	49.1	-29.7	20.3	0.4	54.2	2133.3
3614	0.0	C_SLE_rara_ENV	Combination	Min	-16.5	-413.8	-97.3	-0.2	-51.3	125.2
3614	0.4	C_SLE_rara_ENV	Combination	Min	-16.5	-412.2	-97.3	-0.2	-37.5	137.9
3614	0.7	C_SLE_rara_ENV	Combination	Min	-16.5	-410.6	-97.3	-0.2	-23.8	150.0
3614	1.1	C_SLE_rara_ENV	Combination	Min	-16.5	-409.0	-97.3	-0.2	-11.7	161.5
3615	0.0	C_SLE_rara_ENV	Combination	Max	66.1	-25.2	30.5	1.1	52.4	2127.4
3615	0.2	C_SLE_rara_ENV	Combination	Max	66.1	-24.5	30.5	1.1	61.7	2177.5
3615	0.0	C_SLE_rara_ENV	Combination	Min	-8.8	-376.9	-167.1	-0.8	-8.1	157.5
3615	0.2	C_SLE_rara_ENV	Combination	Min	-8.8	-376.2	-167.1	-0.8	-6.7	162.7

3616	0.0	C_SLE_rara_ENV	Combination	Max	43.9	-12.0	127.6	0.2	57.7	2176.6
3616	0.5	C_SLE_rara_ENV	Combination	Max	43.9	-10.0	127.6	0.2	31.8	2320.0
3616	0.9	C_SLE_rara_ENV	Combination	Max	43.9	-7.9	127.6	0.2	6.0	2462.4
3616	0.0	C_SLE_rara_ENV	Combination	Min	-67.5	-354.8	-10.0	-0.4	-5.8	162.9
3616	0.5	C_SLE_rara_ENV	Combination	Min	-67.5	-352.8	-10.0	-0.4	-31.9	177.7
3616	0.9	C_SLE_rara_ENV	Combination	Min	-67.5	-350.7	-10.0	-0.4	-59.4	191.6
3617	0.0	C_SLE_rara_ENV	Combination	Max	40.9	3.1	72.2	0.2	34.3	2442.4
3617	0.4	C_SLE_rara_ENV	Combination	Max	40.9	4.7	72.2	0.2	24.1	2539.3
3617	0.7	C_SLE_rara_ENV	Combination	Max	40.9	6.4	72.2	0.2	13.9	2635.6
3617	1.1	C_SLE_rara_ENV	Combination	Max	40.9	8.0	72.2	0.2	3.8	2731.4
3617	0.0	C_SLE_rara_ENV	Combination	Min	-24.3	-326.6	-13.5	-0.2	-11.5	187.0
3617	0.4	C_SLE_rara_ENV	Combination	Min	-24.3	-325.0	-13.5	-0.2	-22.5	197.5
3617	0.7	C_SLE_rara_ENV	Combination	Min	-24.3	-323.4	-13.5	-0.2	-33.5	207.4
3617	1.1	C_SLE_rara_ENV	Combination	Min	-24.3	-321.7	-13.5	-0.2	-44.4	216.7
3618	0.0	C_SLE_rara_ENV	Combination	Max	50.1	22.6	33.4	0.4	13.2	2724.8
3618	0.5	C_SLE_rara_ENV	Combination	Max	50.1	24.7	33.4	0.4	13.7	2834.1
3618	1.0	C_SLE_rara_ENV	Combination	Max	50.1	26.9	33.4	0.4	14.7	2942.4
3618	0.0	C_SLE_rara_ENV	Combination	Min	-6.6	-298.8	-43.4	-0.3	-28.9	212.3
3618	0.5	C_SLE_rara_ENV	Combination	Min	-6.6	-296.7	-43.4	-0.3	-25.1	223.3
3618	1.0	C_SLE_rara_ENV	Combination	Min	-6.6	-294.5	-43.4	-0.3	-21.3	233.3
3619	0.0	C_SLE_rara_ENV	Combination	Max	50.1	26.9	33.4	2.9	14.7	2942.3
3619	0.1	C_SLE_rara_ENV	Combination	Max	50.1	27.4	33.4	2.9	19.7	2973.8

3619	0.0	C_SLE_rara_ENV	Combination	Min	-6.6	-294.5	-43.4	-3.6	-21.3	230.7
3619	0.1	C_SLE_rara_ENV	Combination	Min	-6.6	-294.0	-43.4	-3.6	-25.2	232.9
3620	0.0	C_SLE_rara_ENV	Combination	Max	60.0	41.5	16.6	0.4	8.2	2978.6
3620	0.4	C_SLE_rara_ENV	Combination	Max	60.0	43.1	16.6	0.4	19.1	3047.4
3620	0.7	C_SLE_rara_ENV	Combination	Max	60.0	44.7	16.6	0.4	30.5	3115.7
3620	1.1	C_SLE_rara_ENV	Combination	Max	60.0	46.3	16.6	0.4	41.9	3183.3
3620	0.0	C_SLE_rara_ENV	Combination	Min	-8.1	-268.7	-84.2	-0.3	-50.6	228.0
3620	0.4	C_SLE_rara_ENV	Combination	Min	-8.1	-267.1	-84.2	-0.3	-38.0	234.4
3620	0.7	C_SLE_rara_ENV	Combination	Min	-8.1	-265.5	-84.2	-0.3	-25.4	240.3
3620	1.1	C_SLE_rara_ENV	Combination	Min	-8.1	-263.9	-84.2	-0.3	-12.9	245.6
3621	0.0	C_SLE_rara_ENV	Combination	Max	69.2	60.8	23.1	0.4	18.6	3192.9
3621	0.4	C_SLE_rara_ENV	Combination	Max	69.2	62.6	23.1	0.4	41.4	3245.5
3621	0.8	C_SLE_rara_ENV	Combination	Max	69.2	64.4	23.1	0.4	64.3	3297.3
3621	0.0	C_SLE_rara_ENV	Combination	Min	-14.7	-235.3	-139.2	-0.6	-52.2	241.7
3621	0.4	C_SLE_rara_ENV	Combination	Min	-14.7	-233.5	-139.2	-0.6	-31.0	247.3
3621	0.8	C_SLE_rara_ENV	Combination	Min	-14.7	-231.6	-139.2	-0.6	-12.2	252.2
3622	0.0	C_SLE_rara_ENV	Combination	Max	65.8	76.2	167.3	1.1	59.8	3297.4
3622	0.3	C_SLE_rara_ENV	Combination	Max	65.8	77.4	167.3	1.1	45.5	3336.7
3622	0.0	C_SLE_rara_ENV	Combination	Min	-82.8	-213.5	-22.8	-0.5	-11.7	252.2
3622	0.3	C_SLE_rara_ENV	Combination	Min	-82.8	-212.3	-22.8	-0.5	-14.6	255.2
3623	0.0	C_SLE_rara_ENV	Combination	Max	60.8	101.2	105.3	0.2	60.8	3317.7
3623	0.4	C_SLE_rara_ENV	Combination	Max	60.8	102.8	105.3	0.2	43.8	3341.1

3623	0.7	C_SLE_rara_ENV	Combination	Max	60.8	104.5	105.3	0.2	26.9	3364.0
3623	1.1	C_SLE_rara_ENV	Combination	Max	60.8	106.1	105.3	0.2	9.9	3386.2
3623	0.0	C_SLE_rara_ENV	Combination	Min	-45.8	-187.6	-12.7	-0.6	-8.8	252.7
3623	0.4	C_SLE_rara_ENV	Combination	Min	-45.8	-186.0	-12.7	-0.6	-23.2	256.8
3623	0.7	C_SLE_rara_ENV	Combination	Min	-45.8	-184.4	-12.7	-0.6	-39.3	260.2
3623	1.1	C_SLE_rara_ENV	Combination	Min	-45.8	-182.7	-12.7	-0.6	-55.3	263.2
3624	0.0	C_SLE_rara_ENV	Combination	Max	54.3	129.8	57.2	0.2	26.3	3371.5
3624	0.4	C_SLE_rara_ENV	Combination	Max	54.3	131.5	57.2	0.2	20.4	3379.7
3624	0.8	C_SLE_rara_ENV	Combination	Max	54.3	133.2	57.2	0.2	14.6	3387.2
3624	1.1	C_SLE_rara_ENV	Combination	Max	54.3	134.9	57.2	0.2	8.7	3394.1
3624	0.0	C_SLE_rara_ENV	Combination	Min	-13.7	-160.8	-21.8	-0.5	-19.1	260.5
3624	0.4	C_SLE_rara_ENV	Combination	Min	-13.7	-159.1	-21.8	-0.5	-26.5	262.8
3624	0.8	C_SLE_rara_ENV	Combination	Min	-13.7	-157.4	-21.8	-0.5	-33.8	264.6
3624	1.1	C_SLE_rara_ENV	Combination	Min	-13.7	-155.7	-21.8	-0.5	-41.2	265.7
3625	0.0	C_SLE_rara_ENV	Combination	Max	58.9	157.4	21.1	0.2	9.1	3399.6
3625	0.4	C_SLE_rara_ENV	Combination	Max	58.9	159.1	21.1	0.2	14.7	3391.7
3625	0.8	C_SLE_rara_ENV	Combination	Max	58.9	160.8	21.1	0.2	20.4	3383.2
3625	1.1	C_SLE_rara_ENV	Combination	Max	58.9	162.5	21.1	0.2	26.0	3374.0
3625	0.0	C_SLE_rara_ENV	Combination	Min	-2.6	-133.6	-57.0	-0.4	-41.2	262.9
3625	0.4	C_SLE_rara_ENV	Combination	Min	-2.6	-131.9	-57.0	-0.4	-33.7	261.9
3625	0.8	C_SLE_rara_ENV	Combination	Min	-2.6	-130.2	-57.0	-0.4	-26.2	260.3
3625	1.1	C_SLE_rara_ENV	Combination	Min	-2.6	-128.5	-57.0	-0.4	-18.8	258.1

3626	0.0	C_SLE_rara_ENV	Combination	Max	68.1	184.7	14.3	0.3	9.4	3397.4
3626	0.4	C_SLE_rara_ENV	Combination	Max	68.1	186.3	14.3	0.3	25.9	3372.7
3626	0.7	C_SLE_rara_ENV	Combination	Max	68.1	187.9	14.3	0.3	42.4	3347.4
3626	1.1	C_SLE_rara_ENV	Combination	Max	68.1	189.5	14.3	0.3	58.9	3321.6
3626	0.0	C_SLE_rara_ENV	Combination	Min	-9.2	-104.6	-104.9	-0.5	-55.8	255.4
3626	0.4	C_SLE_rara_ENV	Combination	Min	-9.2	-103.0	-104.9	-0.5	-39.6	252.7
3626	0.7	C_SLE_rara_ENV	Combination	Min	-9.2	-101.3	-104.9	-0.5	-23.4	249.3
3626	1.1	C_SLE_rara_ENV	Combination	Min	-9.2	-99.7	-104.9	-0.5	-8.9	245.4
3627	0.0	C_SLE_rara_ENV	Combination	Max	75.7	213.8	24.3	0.4	42.2	3345.4
3627	0.3	C_SLE_rara_ENV	Combination	Max	75.7	215.0	24.3	0.4	56.0	3305.1
3627	0.0	C_SLE_rara_ENV	Combination	Min	-6.1	-75.2	-165.0	-1.5	-18.4	244.2
3627	0.3	C_SLE_rara_ENV	Combination	Min	-6.1	-74.0	-165.0	-1.5	-11.4	241.4
3628	0.0	C_SLE_rara_ENV	Combination	Max	67.7	231.8	130.3	0.3	61.1	3305.7
3628	0.4	C_SLE_rara_ENV	Combination	Max	67.7	233.6	130.3	0.3	41.7	3250.2
3628	0.8	C_SLE_rara_ENV	Combination	Max	67.7	235.5	130.3	0.3	22.2	3194.0
3628	0.0	C_SLE_rara_ENV	Combination	Min	-63.8	-61.9	-23.0	-0.7	-11.9	241.3
3628	0.4	C_SLE_rara_ENV	Combination	Min	-63.8	-60.0	-23.0	-0.7	-29.5	236.9
3628	0.8	C_SLE_rara_ENV	Combination	Min	-63.8	-58.2	-23.0	-0.7	-49.1	231.7
3629	0.0	C_SLE_rara_ENV	Combination	Max	55.8	264.6	79.3	0.2	39.8	3194.0
3629	0.4	C_SLE_rara_ENV	Combination	Max	55.8	266.2	79.3	0.2	30.1	3124.2
3629	0.7	C_SLE_rara_ENV	Combination	Max	55.8	267.8	79.3	0.2	20.4	3053.8
3629	1.1	C_SLE_rara_ENV	Combination	Max	55.8	269.4	79.3	0.2	10.6	2982.8

3629	0.0	C_SLE_rara_ENV	Combination	Min	-29.2	-42.8	-18.4	-0.8	-14.9	232.8
3629	0.4	C_SLE_rara_ENV	Combination	Min	-29.2	-41.1	-18.4	-0.8	-26.1	228.0
3629	0.7	C_SLE_rara_ENV	Combination	Min	-29.2	-39.5	-18.4	-0.8	-37.2	222.6
3629	1.1	C_SLE_rara_ENV	Combination	Min	-29.2	-37.9	-18.4	-0.8	-48.3	216.6
3630	0.0	C_SLE_rara_ENV	Combination	Max	49.8	296.1	41.8	3.3	19.3	2990.8
3630	0.1	C_SLE_rara_ENV	Combination	Max	49.8	296.6	41.8	3.3	14.6	2958.9
3630	0.0	C_SLE_rara_ENV	Combination	Min	-8.9	-23.9	-35.6	-3.3	-26.0	217.8
3630	0.1	C_SLE_rara_ENV	Combination	Min	-8.9	-23.4	-35.6	-3.3	-21.8	215.7
3631	0.0	C_SLE_rara_ENV	Combination	Max	49.8	296.6	41.8	0.2	14.6	2960.5
3631	0.5	C_SLE_rara_ENV	Combination	Max	49.8	298.8	41.8	0.2	14.7	2849.0
3631	1.0	C_SLE_rara_ENV	Combination	Max	49.8	300.9	41.8	0.2	14.8	2736.5
3631	0.0	C_SLE_rara_ENV	Combination	Min	-8.8	-23.4	-35.6	-0.6	-21.8	219.3
3631	0.5	C_SLE_rara_ENV	Combination	Min	-8.8	-21.2	-35.6	-0.6	-24.8	209.8
3631	1.0	C_SLE_rara_ENV	Combination	Min	-8.8	-19.1	-35.6	-0.6	-27.7	199.1
3632	0.0	C_SLE_rara_ENV	Combination	Max	53.4	326.0	13.8	0.1	5.3	2758.3
3632	0.4	C_SLE_rara_ENV	Combination	Max	53.4	327.6	13.8	0.1	14.4	2660.0
3632	0.7	C_SLE_rara_ENV	Combination	Max	53.4	329.2	13.8	0.1	23.9	2561.1
3632	1.1	C_SLE_rara_ENV	Combination	Max	53.4	330.8	13.8	0.1	33.4	2461.7
3632	0.0	C_SLE_rara_ENV	Combination	Min	-5.3	-4.1	-70.3	-0.3	-43.5	200.3
3632	0.4	C_SLE_rara_ENV	Combination	Min	-5.3	-2.5	-70.3	-0.3	-32.5	191.4
3632	0.7	C_SLE_rara_ENV	Combination	Min	-5.3	-0.9	-70.3	-0.3	-21.4	181.9
3632	1.1	C_SLE_rara_ENV	Combination	Min	-5.3	0.7	-70.3	-0.3	-10.4	171.7

3633	0.0	C_SLE_rara_ENV	Combination	Max	53.8	356.5	11.1	0.2	6.4	2491.7
3633	0.5	C_SLE_rara_ENV	Combination	Max	53.8	358.6	11.1	0.2	29.8	2345.0
3633	0.9	C_SLE_rara_ENV	Combination	Max	53.8	360.6	11.1	0.2	53.1	2197.4
3633	0.0	C_SLE_rara_ENV	Combination	Min	-12.4	10.1	-120.8	-0.4	-57.7	173.0
3633	0.5	C_SLE_rara_ENV	Combination	Min	-12.4	12.1	-120.8	-0.4	-32.0	159.7
3633	0.9	C_SLE_rara_ENV	Combination	Min	-12.4	14.2	-120.8	-0.4	-6.4	145.6
3634	0.0	C_SLE_rara_ENV	Combination	Max	57.5	378.9	154.4	0.7	57.6	2198.2
3634	0.2	C_SLE_rara_ENV	Combination	Max	57.5	379.6	154.4	0.7	51.7	2146.8
3634	0.0	C_SLE_rara_ENV	Combination	Min	-77.8	26.4	-34.6	-0.9	-6.5	145.6
3634	0.2	C_SLE_rara_ENV	Combination	Min	-77.8	27.2	-34.6	-0.9	-6.3	140.6
3635	0.0	C_SLE_rara_ENV	Combination	Max	42.5	414.0	91.8	0.1	50.7	2159.1
3635	0.4	C_SLE_rara_ENV	Combination	Max	42.5	415.6	91.8	0.1	38.5	2017.4
3635	0.7	C_SLE_rara_ENV	Combination	Max	42.5	417.2	91.8	0.1	26.3	1875.0
3635	1.1	C_SLE_rara_ENV	Combination	Max	42.5	418.8	91.8	0.1	14.1	1732.2
3635	0.0	C_SLE_rara_ENV	Combination	Min	-51.4	26.7	-23.3	-0.5	-12.4	144.2
3635	0.4	C_SLE_rara_ENV	Combination	Min	-51.4	28.3	-23.3	-0.5	-24.3	133.7
3635	0.7	C_SLE_rara_ENV	Combination	Min	-51.4	30.0	-23.3	-0.5	-36.8	122.5
3635	1.1	C_SLE_rara_ENV	Combination	Min	-51.4	31.6	-23.3	-0.5	-49.2	110.8
3636	0.0	C_SLE_rara_ENV	Combination	Max	42.2	448.8	51.8	0.1	22.8	1733.3
3636	0.4	C_SLE_rara_ENV	Combination	Max	42.2	450.4	51.8	0.1	19.8	1575.7
3636	0.7	C_SLE_rara_ENV	Combination	Max	42.2	452.0	51.8	0.1	16.8	1417.6
3636	1.1	C_SLE_rara_ENV	Combination	Max	42.2	453.6	51.8	0.1	13.8	1259.0

3636	0.0	C_SLE_rara_ENV	Combination	Min	-21.9	31.2	-32.3	-0.4	-21.9	115.7
3636	0.4	C_SLE_rara_ENV	Combination	Min	-21.9	32.8	-32.3	-0.4	-26.0	103.6
3636	0.7	C_SLE_rara_ENV	Combination	Min	-21.9	34.4	-32.3	-0.4	-30.1	90.9
3636	1.1	C_SLE_rara_ENV	Combination	Min	-21.9	36.0	-32.3	-0.4	-34.2	77.6
3637	0.0	C_SLE_rara_ENV	Combination	Max	46.0	478.0	24.1	0.1	8.6	1266.5
3637	0.4	C_SLE_rara_ENV	Combination	Max	46.0	479.6	24.1	0.1	13.9	1097.5
3637	0.7	C_SLE_rara_ENV	Combination	Max	46.0	481.2	24.1	0.1	19.3	927.8
3637	1.1	C_SLE_rara_ENV	Combination	Max	46.0	482.8	24.1	0.1	24.7	757.6
3637	0.0	C_SLE_rara_ENV	Combination	Min	-10.0	36.0	-55.7	-0.4	-36.3	82.8
3637	0.4	C_SLE_rara_ENV	Combination	Min	-10.0	37.6	-55.7	-0.4	-30.4	68.9
3637	0.7	C_SLE_rara_ENV	Combination	Min	-10.0	39.2	-55.7	-0.4	-24.4	54.4
3637	1.1	C_SLE_rara_ENV	Combination	Min	-10.0	40.8	-55.7	-0.4	-18.5	39.4
3638	0.0	C_SLE_rara_ENV	Combination	Max	46.5	503.4	6.6	0.2	2.9	769.6
3638	0.4	C_SLE_rara_ENV	Combination	Max	46.5	505.0	6.6	0.2	15.5	592.8
3638	0.7	C_SLE_rara_ENV	Combination	Max	46.5	506.6	6.6	0.2	28.1	415.3
3638	1.1	C_SLE_rara_ENV	Combination	Max	46.5	508.2	6.6	0.2	40.7	237.2
3638	0.0	C_SLE_rara_ENV	Combination	Min	-8.9	40.9	-82.6	-0.4	-48.7	45.2
3638	0.4	C_SLE_rara_ENV	Combination	Min	-8.9	42.5	-82.6	-0.4	-34.4	28.8
3638	0.7	C_SLE_rara_ENV	Combination	Min	-8.9	44.1	-82.6	-0.4	-20.0	11.9
3638	1.1	C_SLE_rara_ENV	Combination	Min	-8.9	45.7	-82.6	-0.4	-5.6	-5.7
3639	0.0	C_SLE_rara_ENV	Combination	Max	48.8	525.2	12.2	0.4	5.1	245.1
3639	0.5	C_SLE_rara_ENV	Combination	Max	48.8	527.4	12.2	0.4	26.2	10.0

3639	0.0	C_SLE_rara_ENV	Combination	Min	-12.6	46.5	-120.7	-0.5	-39.9	5.7
3639	0.5	C_SLE_rara_ENV	Combination	Min	-12.6	48.7	-120.7	-0.5	-9.9	-49.1
3640	0.0	C_SLE_rara_ENV	Combination	Max	65.0	-40.3	63.2	0.6	14.7	19.3
3640	0.5	C_SLE_rara_ENV	Combination	Max	65.0	-39.5	63.2	0.6	39.1	296.9
3640	0.0	C_SLE_rara_ENV	Combination	Min	-43.1	-637.9	-133.2	-0.2	-35.0	-90.4
3640	0.5	C_SLE_rara_ENV	Combination	Min	-43.1	-637.1	-133.2	-0.2	-26.6	-25.6
3641	0.0	C_SLE_rara_ENV	Combination	Max	49.8	-37.7	65.9	0.5	36.0	321.5
3641	0.4	C_SLE_rara_ENV	Combination	Max	49.8	-37.1	65.9	0.5	32.2	509.0
3641	0.7	C_SLE_rara_ENV	Combination	Max	49.8	-36.5	65.9	0.5	38.6	696.2
3641	1.1	C_SLE_rara_ENV	Combination	Max	49.8	-35.9	65.9	0.5	45.0	883.3
3641	0.0	C_SLE_rara_ENV	Combination	Min	-70.1	-564.2	-78.7	-0.2	-40.4	-36.1
3641	0.4	C_SLE_rara_ENV	Combination	Min	-70.1	-563.7	-78.7	-0.2	-34.9	-19.0
3641	0.7	C_SLE_rara_ENV	Combination	Min	-70.1	-563.1	-78.7	-0.2	-29.5	-2.2
3641	1.1	C_SLE_rara_ENV	Combination	Min	-70.1	-562.5	-78.7	-0.2	-35.2	14.5
3642	0.0	C_SLE_rara_ENV	Combination	Max	49.1	-7.7	76.1	0.4	42.2	890.6
3642	0.4	C_SLE_rara_ENV	Combination	Max	49.1	-7.1	76.1	0.4	34.3	1042.1
3642	0.7	C_SLE_rara_ENV	Combination	Max	49.1	-6.5	76.1	0.4	33.2	1193.4
3642	1.1	C_SLE_rara_ENV	Combination	Max	49.1	-5.9	76.1	0.4	32.1	1344.5
3642	0.0	C_SLE_rara_ENV	Combination	Min	-88.0	-498.7	-53.4	-0.2	-26.1	15.7
3642	0.4	C_SLE_rara_ENV	Combination	Min	-88.0	-498.1	-53.4	-0.2	-27.7	31.6
3642	0.7	C_SLE_rara_ENV	Combination	Min	-88.0	-497.5	-53.4	-0.2	-29.4	47.4
3642	1.1	C_SLE_rara_ENV	Combination	Min	-88.0	-497.0	-53.4	-0.2	-40.2	62.9

3643	0.0	C_SLE_rara_ENV	Combination	Max	58.5	40.9	86.9	0.3	49.9	1332.8
3643	0.4	C_SLE_rara_ENV	Combination	Max	58.5	41.4	86.9	0.3	39.8	1453.8
3643	0.7	C_SLE_rara_ENV	Combination	Max	58.5	42.0	86.9	0.3	31.6	1574.5
3643	1.1	C_SLE_rara_ENV	Combination	Max	58.5	42.6	86.9	0.3	23.3	1695.1
3643	0.0	C_SLE_rara_ENV	Combination	Min	-80.4	-445.9	-40.1	-0.2	-22.9	65.0
3643	0.4	C_SLE_rara_ENV	Combination	Min	-80.4	-445.3	-40.1	-0.2	-25.3	79.9
3643	0.7	C_SLE_rara_ENV	Combination	Min	-80.4	-444.7	-40.1	-0.2	-32.3	94.6
3643	1.1	C_SLE_rara_ENV	Combination	Min	-80.4	-444.1	-40.1	-0.2	-44.8	109.1
3644	0.0	C_SLE_rara_ENV	Combination	Max	81.0	83.7	118.3	0.3	66.2	1668.1
3644	0.4	C_SLE_rara_ENV	Combination	Max	81.0	84.3	118.3	0.3	51.4	1769.9
3644	0.7	C_SLE_rara_ENV	Combination	Max	81.0	84.9	118.3	0.3	39.0	1871.6
3644	1.1	C_SLE_rara_ENV	Combination	Max	81.0	85.4	118.3	0.3	35.8	1973.0
3644	0.0	C_SLE_rara_ENV	Combination	Min	-51.0	-409.5	-67.1	-0.3	-36.7	112.2
3644	0.4	C_SLE_rara_ENV	Combination	Min	-51.0	-408.9	-67.1	-0.3	-38.9	125.9
3644	0.7	C_SLE_rara_ENV	Combination	Min	-51.0	-408.3	-67.1	-0.3	-48.0	138.7
3644	1.1	C_SLE_rara_ENV	Combination	Min	-51.0	-407.7	-67.1	-0.3	-61.8	150.9
3645	0.0	C_SLE_rara_ENV	Combination	Max	81.6	115.6	187.2	0.3	44.8	1963.8
3645	0.2	C_SLE_rara_ENV	Combination	Max	81.6	115.8	187.2	0.3	47.4	1996.4
3645	0.0	C_SLE_rara_ENV	Combination	Min	-29.1	-385.2	-137.7	-2.0	-30.8	149.5
3645	0.2	C_SLE_rara_ENV	Combination	Min	-29.1	-384.9	-137.7	-2.0	-35.4	154.4
3646	0.0	C_SLE_rara_ENV	Combination	Max	128.5	74.4	105.8	0.5	46.3	1996.8
3646	0.5	C_SLE_rara_ENV	Combination	Max	128.5	75.1	105.8	0.5	42.0	2137.9

3646	0.9	C_SLE_rara_ENV	Combination	Max	128.5	75.9	105.8	0.5	55.2	2278.7
3646	0.0	C_SLE_rara_ENV	Combination	Min	-103.2	-420.2	-112.5	-0.2	-48.2	154.7
3646	0.5	C_SLE_rara_ENV	Combination	Min	-103.2	-419.5	-112.5	-0.2	-42.3	165.4
3646	0.9	C_SLE_rara_ENV	Combination	Min	-103.2	-418.7	-112.5	-0.2	-52.9	175.8
3647	0.0	C_SLE_rara_ENV	Combination	Max	82.2	97.5	71.5	0.3	40.2	2302.9
3647	0.4	C_SLE_rara_ENV	Combination	Max	82.2	98.1	71.5	0.3	35.3	2391.1
3647	0.7	C_SLE_rara_ENV	Combination	Max	82.2	98.7	71.5	0.3	38.3	2479.1
3647	1.1	C_SLE_rara_ENV	Combination	Max	82.2	99.2	71.5	0.3	41.3	2566.8
3647	0.0	C_SLE_rara_ENV	Combination	Min	-88.3	-381.9	-64.7	-0.3	-29.3	169.9
3647	0.4	C_SLE_rara_ENV	Combination	Min	-88.3	-381.3	-64.7	-0.3	-28.8	176.8
3647	0.7	C_SLE_rara_ENV	Combination	Min	-88.3	-380.7	-64.7	-0.3	-30.5	183.5
3647	1.1	C_SLE_rara_ENV	Combination	Min	-88.3	-380.1	-64.7	-0.3	-37.6	190.0
3648	0.0	C_SLE_rara_ENV	Combination	Max	74.5	129.5	74.2	0.5	42.3	2567.2
3648	0.5	C_SLE_rara_ENV	Combination	Max	74.5	130.3	74.2	0.5	31.4	2649.5
3648	1.0	C_SLE_rara_ENV	Combination	Max	74.5	131.0	74.2	0.5	24.1	2731.4
3648	0.0	C_SLE_rara_ENV	Combination	Min	-70.6	-342.3	-44.7	-0.6	-22.0	185.1
3648	0.5	C_SLE_rara_ENV	Combination	Min	-70.6	-341.5	-44.7	-0.6	-22.1	192.3
3648	1.0	C_SLE_rara_ENV	Combination	Min	-70.6	-340.7	-44.7	-0.6	-30.4	199.1
3649	0.0	C_SLE_rara_ENV	Combination	Max	74.5	131.0	74.2	6.2	24.1	2731.0
3649	0.1	C_SLE_rara_ENV	Combination	Max	74.5	131.2	74.2	6.2	29.3	2761.6
3649	0.0	C_SLE_rara_ENV	Combination	Min	-70.6	-340.7	-44.7	-3.8	-30.4	196.3
3649	0.1	C_SLE_rara_ENV	Combination	Min	-70.6	-340.5	-44.7	-3.8	-39.2	198.0

3650	0.0	C_SLE_rara_ENV	Combination	Max	89.1	162.6	97.5	0.4	62.2	2738.7
3650	0.4	C_SLE_rara_ENV	Combination	Max	89.1	163.2	97.5	0.4	51.3	2783.2
3650	0.7	C_SLE_rara_ENV	Combination	Max	89.1	163.7	97.5	0.4	40.4	2827.5
3650	1.1	C_SLE_rara_ENV	Combination	Max	89.1	164.3	97.5	0.4	35.7	2871.5
3650	0.0	C_SLE_rara_ENV	Combination	Min	-44.1	-308.0	-69.1	-0.5	-40.3	192.7
3650	0.4	C_SLE_rara_ENV	Combination	Min	-44.1	-307.4	-69.1	-0.5	-37.3	196.9
3650	0.7	C_SLE_rara_ENV	Combination	Min	-44.1	-306.8	-69.1	-0.5	-37.3	200.9
3650	1.1	C_SLE_rara_ENV	Combination	Min	-44.1	-306.2	-69.1	-0.5	-46.0	204.7
3651	0.0	C_SLE_rara_ENV	Combination	Max	105.9	193.4	147.9	0.3	70.9	2838.4
3651	0.4	C_SLE_rara_ENV	Combination	Max	105.9	194.0	147.9	0.3	51.4	2867.0
3651	0.8	C_SLE_rara_ENV	Combination	Max	105.9	194.7	147.9	0.3	51.4	2895.3
3651	0.0	C_SLE_rara_ENV	Combination	Min	-22.2	-283.2	-120.5	-1.0	-52.9	201.9
3651	0.4	C_SLE_rara_ENV	Combination	Min	-22.2	-282.6	-120.5	-1.0	-44.4	205.2
3651	0.8	C_SLE_rara_ENV	Combination	Min	-22.2	-281.9	-120.5	-1.0	-51.3	208.4
3652	0.0	C_SLE_rara_ENV	Combination	Max	160.2	166.6	162.0	2.4	48.7	2896.3
3652	0.3	C_SLE_rara_ENV	Combination	Max	160.2	167.0	162.0	2.4	37.3	2944.9
3652	0.0	C_SLE_rara_ENV	Combination	Min	-105.0	-313.7	-169.3	-0.4	-50.6	208.5
3652	0.3	C_SLE_rara_ENV	Combination	Min	-105.0	-313.3	-169.3	-0.4	-45.0	209.6
3653	0.0	C_SLE_rara_ENV	Combination	Max	116.7	185.1	91.9	0.4	50.2	2958.5
3653	0.4	C_SLE_rara_ENV	Combination	Max	116.7	185.7	91.9	0.4	47.5	2991.2
3653	0.7	C_SLE_rara_ENV	Combination	Max	116.7	186.3	91.9	0.4	54.3	3023.7
3653	1.1	C_SLE_rara_ENV	Combination	Max	116.7	186.9	91.9	0.4	64.8	3056.0

3653	0.0	C_SLE_rara_ENV	Combination	Min	-85.9	-286.1	-109.0	-0.5	-53.5	207.4
3653	0.4	C_SLE_rara_ENV	Combination	Min	-85.9	-285.6	-109.0	-0.5	-45.7	208.3
3653	0.7	C_SLE_rara_ENV	Combination	Min	-85.9	-285.0	-109.0	-0.5	-45.8	208.9
3653	1.1	C_SLE_rara_ENV	Combination	Min	-85.9	-284.4	-109.0	-0.5	-50.2	209.4
3654	0.0	C_SLE_rara_ENV	Combination	Max	88.7	211.1	63.0	0.3	40.3	3076.2
3654	0.4	C_SLE_rara_ENV	Combination	Max	88.7	211.7	63.0	0.3	39.1	3088.9
3654	0.8	C_SLE_rara_ENV	Combination	Max	88.7	212.3	63.0	0.3	44.1	3101.4
3654	1.1	C_SLE_rara_ENV	Combination	Max	88.7	213.0	63.0	0.3	49.1	3113.7
3654	0.0	C_SLE_rara_ENV	Combination	Min	-72.8	-249.4	-65.8	-0.5	-29.1	208.3
3654	0.4	C_SLE_rara_ENV	Combination	Min	-72.8	-248.7	-65.8	-0.5	-27.2	208.0
3654	0.8	C_SLE_rara_ENV	Combination	Min	-72.8	-248.1	-65.8	-0.5	-29.0	207.4
3654	1.1	C_SLE_rara_ENV	Combination	Min	-72.8	-247.5	-65.8	-0.5	-32.8	206.6
3655	0.0	C_SLE_rara_ENV	Combination	Max	85.1	246.5	73.0	0.3	49.6	3108.0
3655	0.4	C_SLE_rara_ENV	Combination	Max	85.1	247.1	73.0	0.3	44.3	3096.5
3655	0.8	C_SLE_rara_ENV	Combination	Max	85.1	247.7	73.0	0.3	39.5	3084.7
3655	1.1	C_SLE_rara_ENV	Combination	Max	85.1	248.3	73.0	0.3	34.8	3072.7
3655	0.0	C_SLE_rara_ENV	Combination	Min	-56.4	-213.3	-53.5	-0.6	-33.4	207.3
3655	0.4	C_SLE_rara_ENV	Combination	Min	-56.4	-212.7	-53.5	-0.6	-29.3	205.1
3655	0.8	C_SLE_rara_ENV	Combination	Min	-56.4	-212.1	-53.5	-0.6	-26.8	202.8
3655	1.1	C_SLE_rara_ENV	Combination	Min	-56.4	-211.5	-53.5	-0.6	-35.5	200.2
3656	0.0	C_SLE_rara_ENV	Combination	Max	99.6	282.8	108.8	0.3	64.9	3043.7
3656	0.4	C_SLE_rara_ENV	Combination	Max	99.6	283.4	108.8	0.3	54.7	3013.8

3656	0.7	C_SLE_rara_ENV	Combination	Max	99.6	284.0	108.8	0.3	48.0	2983.8
3656	1.1	C_SLE_rara_ENV	Combination	Max	99.6	284.6	108.8	0.3	50.9	2953.5
3656	0.0	C_SLE_rara_ENV	Combination	Min	-28.7	-187.5	-93.4	-0.7	-51.0	201.4
3656	0.4	C_SLE_rara_ENV	Combination	Min	-28.7	-186.9	-93.4	-0.7	-46.2	198.4
3656	0.7	C_SLE_rara_ENV	Combination	Min	-28.7	-186.4	-93.4	-0.7	-45.9	195.2
3656	1.1	C_SLE_rara_ENV	Combination	Min	-28.7	-185.8	-93.4	-0.7	-53.4	191.7
3657	0.0	C_SLE_rara_ENV	Combination	Max	103.6	312.3	169.1	0.3	35.5	2935.0
3657	0.3	C_SLE_rara_ENV	Combination	Max	103.6	312.7	169.1	0.3	46.4	2889.3
3657	0.0	C_SLE_rara_ENV	Combination	Min	-21.4	-168.8	-161.8	-2.7	-47.5	193.3
3657	0.3	C_SLE_rara_ENV	Combination	Min	-21.4	-168.4	-161.8	-2.7	-50.6	190.4
3658	0.0	C_SLE_rara_ENV	Combination	Max	152.0	282.0	118.9	0.7	51.6	2890.2
3658	0.4	C_SLE_rara_ENV	Combination	Max	152.0	282.7	118.9	0.7	51.4	2865.5
3658	0.8	C_SLE_rara_ENV	Combination	Max	152.0	283.4	118.9	0.7	71.2	2840.6
3658	0.0	C_SLE_rara_ENV	Combination	Min	-92.2	-196.3	-147.5	-0.4	-50.6	190.4
3658	0.4	C_SLE_rara_ENV	Combination	Min	-92.2	-195.6	-147.5	-0.4	-43.1	185.0
3658	0.8	C_SLE_rara_ENV	Combination	Min	-92.2	-195.0	-147.5	-0.4	-50.2	179.3
3659	0.0	C_SLE_rara_ENV	Combination	Max	103.6	306.0	66.6	0.3	34.3	2864.5
3659	0.4	C_SLE_rara_ENV	Combination	Max	103.6	306.6	66.6	0.3	39.5	2822.8
3659	0.7	C_SLE_rara_ENV	Combination	Max	103.6	307.2	66.6	0.3	50.9	2780.9
3659	1.1	C_SLE_rara_ENV	Combination	Max	103.6	307.8	66.6	0.3	62.3	2738.8
3659	0.0	C_SLE_rara_ENV	Combination	Min	-82.7	-167.0	-98.2	-0.7	-45.0	180.7
3659	0.4	C_SLE_rara_ENV	Combination	Min	-82.7	-166.5	-98.2	-0.7	-37.4	175.1

3659	0.7	C_SLE_rara_ENV	Combination	Min	-82.7	-165.9	-98.2	-0.7	-36.8	169.2
3659	1.1	C_SLE_rara_ENV	Combination	Min	-82.7	-165.3	-98.2	-0.7	-39.1	163.2
3660	0.0	C_SLE_rara_ENV	Combination	Max	78.6	338.7	50.9	4.2	31.3	2748.3
3660	0.1	C_SLE_rara_ENV	Combination	Max	78.6	338.8	50.9	4.2	25.3	2718.0
3660	0.0	C_SLE_rara_ENV	Combination	Min	-74.6	-134.5	-65.3	-5.6	-33.2	165.8
3660	0.1	C_SLE_rara_ENV	Combination	Min	-74.6	-134.3	-65.3	-5.6	-25.5	163.6
3661	0.0	C_SLE_rara_ENV	Combination	Max	78.6	338.8	50.9	0.5	25.3	2717.7
3661	0.5	C_SLE_rara_ENV	Combination	Max	78.6	339.6	50.9	0.5	31.3	2639.7
3661	1.0	C_SLE_rara_ENV	Combination	Max	78.6	340.4	50.9	0.5	39.6	2561.2
3661	0.0	C_SLE_rara_ENV	Combination	Min	-74.6	-134.3	-65.3	-0.6	-25.5	166.5
3661	0.5	C_SLE_rara_ENV	Combination	Min	-74.6	-133.5	-65.3	-0.6	-22.0	157.6
3661	1.0	C_SLE_rara_ENV	Combination	Min	-74.6	-132.7	-65.3	-0.6	-24.1	148.3
3662	0.0	C_SLE_rara_ENV	Combination	Max	82.0	376.0	64.7	0.1	40.5	2544.7
3662	0.4	C_SLE_rara_ENV	Combination	Max	82.0	376.6	64.7	0.1	38.3	2460.2
3662	0.7	C_SLE_rara_ENV	Combination	Max	82.0	377.2	64.7	0.1	36.0	2375.5
3662	1.1	C_SLE_rara_ENV	Combination	Max	82.0	377.8	64.7	0.1	34.2	2290.6
3662	0.0	C_SLE_rara_ENV	Combination	Min	-57.7	-103.0	-66.1	-0.5	-37.8	150.8
3662	0.4	C_SLE_rara_ENV	Combination	Min	-57.7	-102.4	-66.1	-0.5	-31.0	143.4
3662	0.7	C_SLE_rara_ENV	Combination	Min	-57.7	-101.8	-66.1	-0.5	-28.5	135.7
3662	1.1	C_SLE_rara_ENV	Combination	Min	-57.7	-101.2	-66.1	-0.5	-30.9	127.9
3663	0.0	C_SLE_rara_ENV	Combination	Max	98.1	413.5	111.5	0.1	54.7	2255.5
3663	0.5	C_SLE_rara_ENV	Combination	Max	98.1	414.2	111.5	0.1	41.8	2120.5

3663	0.9	C_SLE_rara_ENV	Combination	Max	98.1	415.0	111.5	0.1	46.1	1985.2
3663	0.0	C_SLE_rara_ENV	Combination	Min	-38.2	-81.1	-107.1	-0.7	-54.8	130.7
3663	0.5	C_SLE_rara_ENV	Combination	Min	-38.2	-80.4	-107.1	-0.7	-43.2	120.1
3663	0.9	C_SLE_rara_ENV	Combination	Min	-38.2	-79.6	-107.1	-0.7	-47.8	109.2
3664	0.0	C_SLE_rara_ENV	Combination	Max	163.3	382.5	135.2	1.8	50.0	1986.3
3664	0.2	C_SLE_rara_ENV	Combination	Max	163.3	382.8	135.2	1.8	48.9	1957.8
3664	0.0	C_SLE_rara_ENV	Combination	Min	-116.7	-122.0	-186.9	-0.4	-34.4	109.3
3664	0.2	C_SLE_rara_ENV	Combination	Min	-116.7	-121.7	-186.9	-0.4	-30.2	105.0
3665	0.0	C_SLE_rara_ENV	Combination	Max	116.2	404.6	64.5	0.2	34.5	1959.2
3665	0.4	C_SLE_rara_ENV	Combination	Max	116.2	405.2	64.5	0.2	38.4	1863.3
3665	0.7	C_SLE_rara_ENV	Combination	Max	116.2	405.8	64.5	0.2	51.3	1767.3
3665	1.1	C_SLE_rara_ENV	Combination	Max	116.2	406.4	64.5	0.2	66.6	1671.0
3665	0.0	C_SLE_rara_ENV	Combination	Min	-97.5	-94.9	-119.0	-0.4	-62.2	106.9
3665	0.4	C_SLE_rara_ENV	Combination	Min	-97.5	-94.3	-119.0	-0.4	-47.9	97.1
3665	0.7	C_SLE_rara_ENV	Combination	Min	-97.5	-93.7	-119.0	-0.4	-38.3	87.1
3665	1.1	C_SLE_rara_ENV	Combination	Min	-97.5	-93.1	-119.0	-0.4	-35.3	76.9
3666	0.0	C_SLE_rara_ENV	Combination	Max	72.1	438.4	42.9	0.2	25.1	1682.7
3666	0.4	C_SLE_rara_ENV	Combination	Max	72.1	439.0	42.9	0.2	31.0	1566.7
3666	0.7	C_SLE_rara_ENV	Combination	Max	72.1	439.6	42.9	0.2	40.0	1450.5
3666	1.1	C_SLE_rara_ENV	Combination	Max	72.1	440.2	42.9	0.2	49.1	1334.2
3666	0.0	C_SLE_rara_ENV	Combination	Min	-84.0	-53.7	-81.9	-0.4	-41.0	78.4
3666	0.4	C_SLE_rara_ENV	Combination	Min	-84.0	-53.1	-81.9	-0.4	-32.9	67.8

3666	0.7	C_SLE_rara_ENV	Combination	Min	-84.0	-52.5	-81.9	-0.4	-24.9	57.0
3666	1.1	C_SLE_rara_ENV	Combination	Min	-84.0	-51.9	-81.9	-0.4	-21.6	46.0
3667	0.0	C_SLE_rara_ENV	Combination	Max	54.0	486.9	53.7	0.2	31.2	1327.4
3667	0.4	C_SLE_rara_ENV	Combination	Max	54.0	487.4	53.7	0.2	32.7	1181.1
3667	0.7	C_SLE_rara_ENV	Combination	Max	54.0	488.0	53.7	0.2	34.8	1034.6
3667	1.1	C_SLE_rara_ENV	Combination	Max	54.0	488.6	53.7	0.2	37.0	887.9
3667	0.0	C_SLE_rara_ENV	Combination	Min	-70.0	-3.5	-64.3	-0.5	-32.8	47.9
3667	0.4	C_SLE_rara_ENV	Combination	Min	-70.0	-3.0	-64.3	-0.5	-30.1	36.5
3667	0.7	C_SLE_rara_ENV	Combination	Min	-70.0	-2.4	-64.3	-0.5	-27.3	25.0
3667	1.1	C_SLE_rara_ENV	Combination	Min	-70.0	-1.8	-64.3	-0.5	-27.0	13.2
3668	0.0	C_SLE_rara_ENV	Combination	Max	37.5	549.2	77.1	0.2	44.3	865.8
3668	0.4	C_SLE_rara_ENV	Combination	Max	37.5	549.8	77.1	0.2	38.9	683.8
3668	0.7	C_SLE_rara_ENV	Combination	Max	37.5	550.4	77.1	0.2	33.5	501.5
3668	1.1	C_SLE_rara_ENV	Combination	Max	37.5	551.0	77.1	0.2	31.3	319.0
3668	0.0	C_SLE_rara_ENV	Combination	Min	-48.9	25.3	-58.7	-0.5	-32.2	13.4
3668	0.4	C_SLE_rara_ENV	Combination	Min	-48.9	25.9	-58.7	-0.5	-30.5	-1.8
3668	0.7	C_SLE_rara_ENV	Combination	Min	-48.9	26.5	-58.7	-0.5	-34.8	-17.2
3668	1.1	C_SLE_rara_ENV	Combination	Min	-48.9	27.1	-58.7	-0.5	-39.1	-32.8
3669	0.0	C_SLE_rara_ENV	Combination	Max	24.1	624.3	131.7	0.2	38.4	287.8
3669	0.5	C_SLE_rara_ENV	Combination	Max	24.1	625.1	131.7	0.2	14.9	20.2
3669	0.0	C_SLE_rara_ENV	Combination	Min	-45.9	30.6	-67.9	-0.7	-27.8	-21.7
3669	0.5	C_SLE_rara_ENV	Combination	Min	-45.9	31.4	-67.9	-0.7	-34.2	-85.1

3670	0.0	C_SLE_rara_ENV	Combination	Max	2.8	-5.1	60.7	0.4	10.6	25.8
3670	0.5	C_SLE_rara_ENV	Combination	Max	2.8	-4.3	60.7	0.4	1.1	191.0
3670	0.0	C_SLE_rara_ENV	Combination	Min	-29.3	-385.2	-5.4	-0.2	-12.8	-34.7
3670	0.5	C_SLE_rara_ENV	Combination	Min	-29.3	-384.4	-5.4	-0.2	-28.0	-11.0
3671	0.0	C_SLE_rara_ENV	Combination	Max	14.4	-2.4	38.3	0.4	20.1	206.3
3671	0.4	C_SLE_rara_ENV	Combination	Max	14.4	-1.8	38.3	0.4	13.3	324.0
3671	0.7	C_SLE_rara_ENV	Combination	Max	14.4	-1.2	38.3	0.4	7.9	441.4
3671	1.1	C_SLE_rara_ENV	Combination	Max	14.4	-0.6	38.3	0.4	2.9	558.6
3671	0.0	C_SLE_rara_ENV	Combination	Min	-39.2	-349.4	-4.1	-0.2	-1.8	-14.7
3671	0.4	C_SLE_rara_ENV	Combination	Min	-39.2	-348.8	-4.1	-0.2	-7.4	-11.9
3671	0.7	C_SLE_rara_ENV	Combination	Min	-39.2	-348.3	-4.1	-0.2	-14.0	-9.3
3671	1.1	C_SLE_rara_ENV	Combination	Min	-39.2	-347.7	-4.1	-0.2	-21.3	-6.9
3672	0.0	C_SLE_rara_ENV	Combination	Max	26.0	14.1	29.5	0.4	17.6	567.3
3672	0.4	C_SLE_rara_ENV	Combination	Max	26.0	14.7	29.5	0.4	13.3	669.1
3672	0.7	C_SLE_rara_ENV	Combination	Max	26.0	15.3	29.5	0.4	9.0	770.7
3672	1.1	C_SLE_rara_ENV	Combination	Max	26.0	15.8	29.5	0.4	4.7	872.1
3672	0.0	C_SLE_rara_ENV	Combination	Min	-56.4	-318.3	-7.0	-0.2	-3.3	-6.6
3672	0.4	C_SLE_rara_ENV	Combination	Min	-56.4	-317.7	-7.0	-0.2	-7.5	-4.0
3672	0.7	C_SLE_rara_ENV	Combination	Min	-56.4	-317.1	-7.0	-0.2	-11.8	-1.5
3672	1.1	C_SLE_rara_ENV	Combination	Min	-56.4	-316.5	-7.0	-0.2	-16.1	0.7
3673	0.0	C_SLE_rara_ENV	Combination	Max	37.5	36.1	38.1	0.3	23.2	876.8
3673	0.4	C_SLE_rara_ENV	Combination	Max	37.5	36.7	38.1	0.3	17.4	963.6

3673	0.7	C_SLE_rara_ENV	Combination	Max	37.5	37.2	38.1	0.3	11.6	1050.2
3673	1.1	C_SLE_rara_ENV	Combination	Max	37.5	37.8	38.1	0.3	7.8	1136.6
3673	0.0	C_SLE_rara_ENV	Combination	Min	-73.6	-291.1	-14.2	-0.2	-7.8	1.8
3673	0.4	C_SLE_rara_ENV	Combination	Min	-73.6	-290.5	-14.2	-0.2	-10.7	4.2
3673	0.7	C_SLE_rara_ENV	Combination	Min	-73.6	-289.9	-14.2	-0.2	-14.5	6.4
3673	1.1	C_SLE_rara_ENV	Combination	Min	-73.6	-289.3	-14.2	-0.2	-18.3	8.4
3674	0.0	C_SLE_rara_ENV	Combination	Max	48.6	53.0	61.2	0.3	34.0	1137.1
3674	0.4	C_SLE_rara_ENV	Combination	Max	48.6	53.6	61.2	0.3	27.3	1211.4
3674	0.7	C_SLE_rara_ENV	Combination	Max	48.6	54.1	61.2	0.3	20.5	1285.5
3674	1.1	C_SLE_rara_ENV	Combination	Max	48.6	54.7	61.2	0.3	18.3	1359.4
3674	0.0	C_SLE_rara_ENV	Combination	Min	-95.0	-268.2	-29.7	-0.2	-14.1	10.2
3674	0.4	C_SLE_rara_ENV	Combination	Min	-95.0	-267.6	-29.7	-0.2	-19.3	12.4
3674	0.7	C_SLE_rara_ENV	Combination	Min	-95.0	-267.0	-29.7	-0.2	-26.0	14.4
3674	1.1	C_SLE_rara_ENV	Combination	Min	-95.0	-266.4	-29.7	-0.2	-32.6	16.2
3675	0.0	C_SLE_rara_ENV	Combination	Max	57.9	64.7	109.3	1.3	30.0	1359.2
3675	0.2	C_SLE_rara_ENV	Combination	Max	57.9	65.0	109.3	1.3	31.8	1384.1
3675	0.0	C_SLE_rara_ENV	Combination	Min	-115.2	-250.7	-59.3	-0.4	-13.2	17.4
3675	0.2	C_SLE_rara_ENV	Combination	Min	-115.2	-250.4	-59.3	-0.4	-26.2	18.3
3676	0.0	C_SLE_rara_ENV	Combination	Max	59.1	44.4	45.2	0.3	19.2	1383.6
3676	0.5	C_SLE_rara_ENV	Combination	Max	59.1	45.2	45.2	0.3	22.8	1461.1
3676	0.9	C_SLE_rara_ENV	Combination	Max	59.1	45.9	45.2	0.3	29.3	1538.2
3676	0.0	C_SLE_rara_ENV	Combination	Min	-62.3	-249.8	-60.2	-0.3	-27.3	18.4

3676	0.5	C_SLE_rara_ENV	Combination	Min	-62.3	-249.0	-60.2	-0.3	-23.5	20.2
3676	0.9	C_SLE_rara_ENV	Combination	Min	-62.3	-248.3	-60.2	-0.3	-22.4	21.8
3677	0.0	C_SLE_rara_ENV	Combination	Max	56.5	55.0	26.1	0.3	15.3	1541.4
3677	0.4	C_SLE_rara_ENV	Combination	Max	56.5	55.6	26.1	0.3	15.0	1594.7
3677	0.7	C_SLE_rara_ENV	Combination	Max	56.5	56.1	26.1	0.3	17.7	1647.8
3677	1.1	C_SLE_rara_ENV	Combination	Max	56.5	56.7	26.1	0.3	20.5	1700.7
3677	0.0	C_SLE_rara_ENV	Combination	Min	-57.3	-231.7	-31.2	-0.2	-13.7	21.0
3677	0.4	C_SLE_rara_ENV	Combination	Min	-57.3	-231.1	-31.2	-0.2	-13.5	22.4
3677	0.7	C_SLE_rara_ENV	Combination	Min	-57.3	-230.5	-31.2	-0.2	-13.3	23.6
3677	1.1	C_SLE_rara_ENV	Combination	Min	-57.3	-229.9	-31.2	-0.2	-13.5	24.6
3678	0.0	C_SLE_rara_ENV	Combination	Max	58.3	68.7	23.3	0.3	16.1	1702.3
3678	0.5	C_SLE_rara_ENV	Combination	Max	58.3	69.5	23.3	0.3	12.9	1760.9
3678	1.0	C_SLE_rara_ENV	Combination	Max	58.3	70.3	23.3	0.3	10.4	1819.1
3678	0.0	C_SLE_rara_ENV	Combination	Min	-63.6	-211.7	-15.4	-0.3	-7.2	24.6
3678	0.5	C_SLE_rara_ENV	Combination	Min	-63.6	-210.9	-15.4	-0.3	-7.9	26.3
3678	1.0	C_SLE_rara_ENV	Combination	Min	-63.6	-210.2	-15.4	-0.3	-8.6	27.6
3679	0.0	C_SLE_rara_ENV	Combination	Max	58.3	70.3	23.3	2.0	10.4	1821.5
3679	0.1	C_SLE_rara_ENV	Combination	Max	58.3	70.5	23.3	2.0	12.2	1841.3
3679	0.0	C_SLE_rara_ENV	Combination	Min	-63.6	-210.2	-15.4	-1.3	-8.6	28.2
3679	0.1	C_SLE_rara_ENV	Combination	Min	-63.6	-210.0	-15.4	-1.3	-11.0	28.4
3680	0.0	C_SLE_rara_ENV	Combination	Max	64.6	82.7	47.6	0.4	30.6	1840.0
3680	0.4	C_SLE_rara_ENV	Combination	Max	64.6	83.3	47.6	0.4	25.2	1877.1

3680	0.7	C_SLE_rara_ENV	Combination	Max	64.6	83.9	47.6	0.4	19.8	1913.9
3680	1.1	C_SLE_rara_ENV	Combination	Max	64.6	84.4	47.6	0.4	19.3	1950.5
3680	0.0	C_SLE_rara_ENV	Combination	Min	-77.1	-192.0	-29.9	-0.5	-14.2	30.0
3680	0.4	C_SLE_rara_ENV	Combination	Min	-77.1	-191.5	-29.9	-0.5	-16.9	31.1
3680	0.7	C_SLE_rara_ENV	Combination	Min	-77.1	-190.9	-29.9	-0.5	-19.7	32.1
3680	1.1	C_SLE_rara_ENV	Combination	Min	-77.1	-190.3	-29.9	-0.5	-22.5	32.8
3681	0.0	C_SLE_rara_ENV	Combination	Max	73.0	96.4	84.7	0.6	36.7	1949.2
3681	0.4	C_SLE_rara_ENV	Combination	Max	73.0	97.0	84.7	0.6	27.6	1976.9
3681	0.8	C_SLE_rara_ENV	Combination	Max	73.0	97.7	84.7	0.6	25.5	2004.3
3681	0.0	C_SLE_rara_ENV	Combination	Min	-98.9	-175.4	-50.3	-0.3	-17.6	35.2
3681	0.4	C_SLE_rara_ENV	Combination	Min	-98.9	-174.8	-50.3	-0.3	-27.0	36.3
3681	0.8	C_SLE_rara_ENV	Combination	Min	-98.9	-174.1	-50.3	-0.3	-36.4	37.0
3682	0.0	C_SLE_rara_ENV	Combination	Max	80.6	95.9	59.3	0.8	19.4	2003.5
3682	0.3	C_SLE_rara_ENV	Combination	Max	80.6	96.3	59.3	0.8	15.6	2025.3
3682	0.0	C_SLE_rara_ENV	Combination	Min	-51.9	-175.0	-114.6	-2.0	-36.0	37.1
3682	0.3	C_SLE_rara_ENV	Combination	Min	-51.9	-174.6	-114.6	-2.0	-12.3	37.3
3683	0.0	C_SLE_rara_ENV	Combination	Max	72.6	107.9	34.3	0.3	22.8	2023.4
3683	0.4	C_SLE_rara_ENV	Combination	Max	72.6	108.5	34.3	0.3	24.2	2034.9
3683	0.7	C_SLE_rara_ENV	Combination	Max	72.6	109.1	34.3	0.3	31.2	2046.3
3683	1.1	C_SLE_rara_ENV	Combination	Max	72.6	109.7	34.3	0.3	38.2	2057.4
3683	0.0	C_SLE_rara_ENV	Combination	Min	-47.0	-162.0	-66.9	-0.4	-35.5	36.7
3683	0.4	C_SLE_rara_ENV	Combination	Min	-47.0	-161.4	-66.9	-0.4	-28.7	37.2

3683	0.7	C_SLE_rara_ENV	Combination	Min	-47.0	-160.8	-66.9	-0.4	-22.0	37.5
3683	1.1	C_SLE_rara_ENV	Combination	Min	-47.0	-160.3	-66.9	-0.4	-15.2	37.6
3684	0.0	C_SLE_rara_ENV	Combination	Max	64.0	123.8	17.3	0.3	12.8	2057.0
3684	0.4	C_SLE_rara_ENV	Combination	Max	64.0	124.4	17.3	0.3	15.5	2061.2
3684	0.8	C_SLE_rara_ENV	Combination	Max	64.0	125.0	17.3	0.3	20.7	2065.1
3684	1.1	C_SLE_rara_ENV	Combination	Max	64.0	125.6	17.3	0.3	26.4	2068.7
3684	0.0	C_SLE_rara_ENV	Combination	Min	-47.5	-144.5	-34.8	-0.4	-15.6	36.2
3684	0.4	C_SLE_rara_ENV	Combination	Min	-47.5	-143.8	-34.8	-0.4	-13.5	36.5
3684	0.8	C_SLE_rara_ENV	Combination	Min	-47.5	-143.2	-34.8	-0.4	-11.4	36.6
3684	1.1	C_SLE_rara_ENV	Combination	Min	-47.5	-142.6	-34.8	-0.4	-9.3	36.4
3685	0.0	C_SLE_rara_ENV	Combination	Max	61.2	142.3	24.5	0.3	20.1	2069.2
3685	0.4	C_SLE_rara_ENV	Combination	Max	61.2	142.9	24.5	0.3	18.5	2065.8
3685	0.8	C_SLE_rara_ENV	Combination	Max	61.2	143.5	24.5	0.3	17.5	2062.0
3685	1.1	C_SLE_rara_ENV	Combination	Max	61.2	144.1	24.5	0.3	19.0	2058.1
3685	0.0	C_SLE_rara_ENV	Combination	Min	-60.1	-125.6	-27.6	-0.5	-14.8	36.5
3685	0.4	C_SLE_rara_ENV	Combination	Min	-60.1	-125.0	-27.6	-0.5	-13.1	36.2
3685	0.8	C_SLE_rara_ENV	Combination	Min	-60.1	-124.3	-27.6	-0.5	-11.4	35.7
3685	1.1	C_SLE_rara_ENV	Combination	Min	-60.1	-123.7	-27.6	-0.5	-9.7	34.9
3686	0.0	C_SLE_rara_ENV	Combination	Max	63.7	159.8	55.4	0.3	31.5	2059.3
3686	0.4	C_SLE_rara_ENV	Combination	Max	63.7	160.4	55.4	0.3	28.6	2047.7
3686	0.7	C_SLE_rara_ENV	Combination	Max	63.7	161.0	55.4	0.3	25.8	2035.8
3686	1.1	C_SLE_rara_ENV	Combination	Max	63.7	161.6	55.4	0.3	28.5	2023.7

3686	0.0	C_SLE_rara_ENV	Combination	Min	-83.9	-108.9	-44.6	-0.6	-20.5	36.8
3686	0.4	C_SLE_rara_ENV	Combination	Min	-83.9	-108.3	-44.6	-0.6	-23.5	36.3
3686	0.7	C_SLE_rara_ENV	Combination	Min	-83.9	-107.8	-44.6	-0.6	-26.6	35.5
3686	1.1	C_SLE_rara_ENV	Combination	Min	-83.9	-107.2	-44.6	-0.6	-29.7	34.6
3687	0.0	C_SLE_rara_ENV	Combination	Max	66.0	174.2	103.8	1.7	10.6	2026.1
3687	0.3	C_SLE_rara_ENV	Combination	Max	66.0	174.6	103.8	1.7	17.4	2003.7
3687	0.0	C_SLE_rara_ENV	Combination	Min	-107.6	-95.3	-69.7	-0.9	-19.2	35.6
3687	0.3	C_SLE_rara_ENV	Combination	Min	-107.6	-94.9	-69.7	-0.9	-39.5	35.0
3688	0.0	C_SLE_rara_ENV	Combination	Max	67.3	175.2	39.9	0.2	21.9	2002.8
3688	0.4	C_SLE_rara_ENV	Combination	Max	67.3	175.8	39.9	0.2	29.5	1974.1
3688	0.8	C_SLE_rara_ENV	Combination	Max	67.3	176.5	39.9	0.2	43.5	1945.0
3688	0.0	C_SLE_rara_ENV	Combination	Min	-53.4	-97.9	-95.4	-0.9	-39.0	35.1
3688	0.4	C_SLE_rara_ENV	Combination	Min	-53.4	-97.3	-95.4	-0.9	-26.0	33.8
3688	0.8	C_SLE_rara_ENV	Combination	Min	-53.4	-96.6	-95.4	-0.9	-13.0	32.2
3689	0.0	C_SLE_rara_ENV	Combination	Max	58.8	190.6	20.0	0.3	13.6	1944.4
3689	0.4	C_SLE_rara_ENV	Combination	Max	58.8	191.2	20.0	0.3	18.3	1907.4
3689	0.7	C_SLE_rara_ENV	Combination	Max	58.8	191.7	20.0	0.3	27.3	1870.1
3689	1.1	C_SLE_rara_ENV	Combination	Max	58.8	192.3	20.0	0.3	36.3	1832.7
3689	0.0	C_SLE_rara_ENV	Combination	Min	-47.4	-84.7	-57.7	-0.6	-27.6	29.6
3689	0.4	C_SLE_rara_ENV	Combination	Min	-47.4	-84.1	-57.7	-0.6	-21.5	28.4
3689	0.7	C_SLE_rara_ENV	Combination	Min	-47.4	-83.5	-57.7	-0.6	-15.4	27.1
3689	1.1	C_SLE_rara_ENV	Combination	Min	-47.4	-82.9	-57.7	-0.6	-9.3	25.5

3690	0.0	C_SLE_rara_ENV	Combination	Max	52.4	209.1	7.3	0.6	6.6	1830.7
3690	0.1	C_SLE_rara_ENV	Combination	Max	52.4	209.3	7.3	0.6	6.0	1811.1
3690	0.0	C_SLE_rara_ENV	Combination	Min	-56.6	-69.6	-32.6	-3.0	-16.3	23.2
3690	0.1	C_SLE_rara_ENV	Combination	Min	-56.6	-69.4	-32.6	-3.0	-12.8	22.8
3691	0.0	C_SLE_rara_ENV	Combination	Max	52.4	209.3	7.3	0.2	6.0	1810.1
3691	0.5	C_SLE_rara_ENV	Combination	Max	52.4	210.1	7.3	0.2	13.2	1751.9
3691	1.0	C_SLE_rara_ENV	Combination	Max	52.4	210.8	7.3	0.2	21.3	1693.3
3691	0.0	C_SLE_rara_ENV	Combination	Min	-56.6	-69.4	-32.6	-0.3	-12.8	22.6
3691	0.5	C_SLE_rara_ENV	Combination	Min	-56.6	-68.6	-32.6	-0.3	-7.6	20.8
3691	1.0	C_SLE_rara_ENV	Combination	Min	-56.6	-67.9	-32.6	-0.3	-3.2	18.7
3692	0.0	C_SLE_rara_ENV	Combination	Max	51.3	228.0	21.3	0.1	14.8	1690.4
3692	0.4	C_SLE_rara_ENV	Combination	Max	51.3	228.6	21.3	0.1	15.7	1637.8
3692	0.7	C_SLE_rara_ENV	Combination	Max	51.3	229.2	21.3	0.1	16.5	1585.0
3692	1.1	C_SLE_rara_ENV	Combination	Max	51.3	229.7	21.3	0.1	20.3	1531.9
3692	0.0	C_SLE_rara_ENV	Combination	Min	-73.1	-55.8	-35.2	-0.3	-18.3	18.3
3692	0.4	C_SLE_rara_ENV	Combination	Min	-73.1	-55.2	-35.2	-0.3	-14.8	17.2
3692	0.7	C_SLE_rara_ENV	Combination	Min	-73.1	-54.6	-35.2	-0.3	-11.7	15.8
3692	1.1	C_SLE_rara_ENV	Combination	Min	-73.1	-54.0	-35.2	-0.3	-8.6	14.2
3693	0.0	C_SLE_rara_ENV	Combination	Max	59.5	245.5	50.3	0.2	23.0	1530.0
3693	0.5	C_SLE_rara_ENV	Combination	Max	59.5	246.3	50.3	0.2	21.5	1452.7
3693	0.9	C_SLE_rara_ENV	Combination	Max	59.5	247.0	50.3	0.2	22.4	1375.1
3693	0.0	C_SLE_rara_ENV	Combination	Min	-99.1	-44.7	-53.9	-0.3	-27.1	15.1

3693	0.5	C_SLE_rara_ENV	Combination	Min	-99.1	-44.0	-53.9	-0.3	-24.3	13.5
3693	0.9	C_SLE_rara_ENV	Combination	Min	-99.1	-43.2	-53.9	-0.3	-24.2	11.6
3694	0.0	C_SLE_rara_ENV	Combination	Max	62.7	251.1	46.4	0.4	33.0	1374.4
3694	0.2	C_SLE_rara_ENV	Combination	Max	62.7	251.4	46.4	0.4	33.2	1348.8
3694	0.0	C_SLE_rara_ENV	Combination	Min	-49.0	-63.6	-120.1	-1.4	-21.9	11.7
3694	0.2	C_SLE_rara_ENV	Combination	Min	-49.0	-63.3	-120.1	-1.4	-6.7	10.7
3695	0.0	C_SLE_rara_ENV	Combination	Max	58.6	266.3	18.2	0.2	11.6	1346.2
3695	0.4	C_SLE_rara_ENV	Combination	Max	58.6	266.9	18.2	0.2	18.8	1271.5
3695	0.7	C_SLE_rara_ENV	Combination	Max	58.6	267.4	18.2	0.2	29.4	1196.5
3695	1.1	C_SLE_rara_ENV	Combination	Max	58.6	268.0	18.2	0.2	40.0	1121.4
3695	0.0	C_SLE_rara_ENV	Combination	Min	-55.8	-53.1	-71.5	-0.4	-37.8	8.8
3695	0.4	C_SLE_rara_ENV	Combination	Min	-55.8	-52.5	-71.5	-0.4	-27.8	7.0
3695	0.7	C_SLE_rara_ENV	Combination	Min	-55.8	-51.9	-71.5	-0.4	-17.7	5.0
3695	1.1	C_SLE_rara_ENV	Combination	Min	-55.8	-51.3	-71.5	-0.4	-8.6	2.7
3696	0.0	C_SLE_rara_ENV	Combination	Max	50.8	286.9	5.2	0.1	2.6	1115.5
3696	0.4	C_SLE_rara_ENV	Combination	Max	50.8	287.5	5.2	0.1	9.9	1029.4
3696	0.7	C_SLE_rara_ENV	Combination	Max	50.8	288.1	5.2	0.1	19.2	943.1
3696	1.1	C_SLE_rara_ENV	Combination	Max	50.8	288.7	5.2	0.1	28.5	856.6
3696	0.0	C_SLE_rara_ENV	Combination	Min	-48.1	-36.7	-47.5	-0.4	-23.1	-0.5
3696	0.4	C_SLE_rara_ENV	Combination	Min	-48.1	-36.1	-47.5	-0.4	-16.1	-2.2
3696	0.7	C_SLE_rara_ENV	Combination	Min	-48.1	-35.5	-47.5	-0.4	-9.1	-4.2
3696	1.1	C_SLE_rara_ENV	Combination	Min	-48.1	-34.9	-47.5	-0.4	-3.2	-6.4

3697	0.0	C_SLE_rara_ENV	Combination	Max	46.3	311.4	1.6	0.1	0.9	850.0
3697	0.4	C_SLE_rara_ENV	Combination	Max	46.3	311.9	1.6	0.1	7.1	750.2
3697	0.7	C_SLE_rara_ENV	Combination	Max	46.3	312.5	1.6	0.1	14.8	650.3
3697	1.1	C_SLE_rara_ENV	Combination	Max	46.3	313.1	1.6	0.1	22.4	550.1
3697	0.0	C_SLE_rara_ENV	Combination	Min	-40.8	-16.1	-37.9	-0.4	-20.6	-8.5
3697	0.4	C_SLE_rara_ENV	Combination	Min	-40.8	-15.5	-37.9	-0.4	-13.4	-10.1
3697	0.7	C_SLE_rara_ENV	Combination	Min	-40.8	-14.9	-37.9	-0.4	-6.3	-11.9
3697	1.1	C_SLE_rara_ENV	Combination	Min	-40.8	-14.3	-37.9	-0.4	-1.0	-13.9
3698	0.0	C_SLE_rara_ENV	Combination	Max	38.4	339.5	-2.4	0.2	-1.3	543.2
3698	0.4	C_SLE_rara_ENV	Combination	Max	38.4	340.1	-2.4	0.2	5.9	429.0
3698	0.7	C_SLE_rara_ENV	Combination	Max	38.4	340.7	-2.4	0.2	14.4	314.6
3698	1.1	C_SLE_rara_ENV	Combination	Max	38.4	341.3	-2.4	0.2	23.9	200.0
3698	0.0	C_SLE_rara_ENV	Combination	Min	-33.9	-1.4	-44.6	-0.4	-24.3	-14.7
3698	0.4	C_SLE_rara_ENV	Combination	Min	-33.9	-0.8	-44.6	-0.4	-14.6	-16.3
3698	0.7	C_SLE_rara_ENV	Combination	Min	-33.9	-0.3	-44.6	-0.4	-5.4	-18.0
3698	1.1	C_SLE_rara_ENV	Combination	Min	-33.9	0.3	-44.6	-0.4	1.3	-20.0
3699	0.0	C_SLE_rara_ENV	Combination	Max	32.7	373.2	-1.4	0.2	-1.9	188.4
3699	0.5	C_SLE_rara_ENV	Combination	Max	32.7	374.0	-1.4	0.2	12.4	27.2
3699	0.0	C_SLE_rara_ENV	Combination	Min	-21.0	0.7	-65.1	-0.4	-28.7	-15.3
3699	0.5	C_SLE_rara_ENV	Combination	Min	-21.0	1.5	-65.1	-0.4	-12.7	-36.3
3700	0.0	C_SLE_rara_ENV	Combination	Max	10.9	75.3	36.2	0.5	8.4	34.8
3700	0.5	C_SLE_rara_ENV	Combination	Max	10.9	74.7	33.4	0.5	2.7	115.2

3700	0.0	C_SLE_rara_ENV	Combination	Min	-16.2	-220.7	-17.5	-0.2	-12.2	-7.4
3700	0.5	C_SLE_rara_ENV	Combination	Min	-16.2	-221.3	-20.3	-0.2	-12.3	-16.9
3701	0.0	C_SLE_rara_ENV	Combination	Max	-0.2	71.6	26.3	0.4	12.7	137.1
3701	0.4	C_SLE_rara_ENV	Combination	Max	-0.2	71.2	24.3	0.4	9.0	210.5
3701	0.7	C_SLE_rara_ENV	Combination	Max	-0.2	70.7	22.2	0.4	7.4	284.1
3701	1.1	C_SLE_rara_ENV	Combination	Max	-0.2	70.3	20.1	0.4	7.5	357.8
3701	0.0	C_SLE_rara_ENV	Combination	Min	-27.4	-213.1	-7.1	-0.2	-3.9	-1.3
3701	0.4	C_SLE_rara_ENV	Combination	Min	-27.4	-213.5	-9.2	-0.2	-6.3	-23.9
3701	0.7	C_SLE_rara_ENV	Combination	Min	-27.4	-214.0	-11.3	-0.2	-9.2	-46.4
3701	1.1	C_SLE_rara_ENV	Combination	Min	-27.4	-214.4	-13.3	-0.2	-12.4	-68.6
3702	0.0	C_SLE_rara_ENV	Combination	Max	-4.2	68.0	21.6	0.4	12.0	372.2
3702	0.4	C_SLE_rara_ENV	Combination	Max	-4.2	67.6	19.5	0.4	8.5	445.3
3702	0.7	C_SLE_rara_ENV	Combination	Max	-4.2	67.1	17.4	0.4	6.7	518.5
3702	1.1	C_SLE_rara_ENV	Combination	Max	-4.2	66.6	15.3	0.4	5.8	591.9
3702	0.0	C_SLE_rara_ENV	Combination	Min	-41.4	-204.0	-2.2	-0.2	-0.7	-49.1
3702	0.4	C_SLE_rara_ENV	Combination	Min	-41.4	-204.5	-4.3	-0.2	-4.1	-72.9
3702	0.7	C_SLE_rara_ENV	Combination	Min	-41.4	-204.9	-6.4	-0.2	-6.8	-96.6
3702	1.1	C_SLE_rara_ENV	Combination	Min	-41.4	-205.4	-8.5	-0.2	-8.7	-120.1
3703	0.0	C_SLE_rara_ENV	Combination	Max	-5.5	63.7	25.6	0.3	15.9	607.5
3703	0.4	C_SLE_rara_ENV	Combination	Max	-5.5	63.2	23.6	0.3	11.2	676.2
3703	0.7	C_SLE_rara_ENV	Combination	Max	-5.5	62.8	21.5	0.3	7.4	745.1
3703	1.1	C_SLE_rara_ENV	Combination	Max	-5.5	62.3	19.4	0.3	4.5	814.2

3703	0.0	C_SLE_rara_ENV	Combination	Min	-60.0	-192.3	-1.9	-0.1	-3.1	-102.7
3703	0.4	C_SLE_rara_ENV	Combination	Min	-60.0	-192.8	-4.0	-0.1	-5.9	-125.1
3703	0.7	C_SLE_rara_ENV	Combination	Min	-60.0	-193.2	-6.1	-0.1	-8.0	-147.3
3703	1.1	C_SLE_rara_ENV	Combination	Min	-60.0	-193.7	-8.2	-0.1	-9.4	-169.4
3704	0.0	C_SLE_rara_ENV	Combination	Max	-4.6	58.2	39.9	0.3	22.6	832.7
3704	0.4	C_SLE_rara_ENV	Combination	Max	-4.6	57.8	37.8	0.3	17.8	895.6
3704	0.7	C_SLE_rara_ENV	Combination	Max	-4.6	57.3	35.7	0.3	13.8	958.6
3704	1.1	C_SLE_rara_ENV	Combination	Max	-4.6	56.9	33.6	0.3	10.4	1021.9
3704	0.0	C_SLE_rara_ENV	Combination	Min	-86.6	-177.2	-13.1	-0.2	-7.2	-155.2
3704	0.4	C_SLE_rara_ENV	Combination	Min	-86.6	-177.6	-15.2	-0.2	-11.5	-175.4
3704	0.7	C_SLE_rara_ENV	Combination	Min	-86.6	-178.1	-17.3	-0.2	-15.1	-195.5
3704	1.1	C_SLE_rara_ENV	Combination	Min	-86.6	-178.6	-19.3	-0.2	-18.0	-215.4
3705	0.0	C_SLE_rara_ENV	Combination	Max	-0.5	51.4	65.6	0.9	17.2	1033.7
3705	0.2	C_SLE_rara_ENV	Combination	Max	-0.5	51.2	64.6	0.9	18.0	1058.4
3705	0.0	C_SLE_rara_ENV	Combination	Min	-110.4	-158.3	-30.5	-0.4	-6.7	-196.6
3705	0.2	C_SLE_rara_ENV	Combination	Min	-110.4	-158.5	-31.5	-0.4	-12.7	-204.0
3706	0.0	C_SLE_rara_ENV	Combination	Max	-14.8	46.9	27.6	0.3	12.8	1058.3
3706	0.5	C_SLE_rara_ENV	Combination	Max	-14.8	46.3	24.9	0.3	13.8	1121.9
3706	0.9	C_SLE_rara_ENV	Combination	Max	-14.8	45.7	22.3	0.3	16.0	1185.7
3706	0.0	C_SLE_rara_ENV	Combination	Min	-75.9	-149.4	-31.8	-0.2	-16.0	-202.6
3706	0.5	C_SLE_rara_ENV	Combination	Min	-75.9	-150.0	-34.4	-0.2	-13.4	-221.0
3706	0.9	C_SLE_rara_ENV	Combination	Min	-75.9	-150.5	-37.1	-0.2	-10.1	-239.1

3707	0.0	C_SLE_rara_ENV	Combination	Max	-20.7	42.2	15.5	0.3	8.8	1181.6
3707	0.4	C_SLE_rara_ENV	Combination	Max	-20.7	41.8	13.4	0.3	9.5	1225.0
3707	0.7	C_SLE_rara_ENV	Combination	Max	-20.7	41.3	11.4	0.3	11.1	1268.6
3707	1.1	C_SLE_rara_ENV	Combination	Max	-20.7	40.9	9.3	0.3	13.3	1312.4
3707	0.0	C_SLE_rara_ENV	Combination	Min	-75.4	-134.4	-12.3	-0.2	-4.5	-218.3
3707	0.4	C_SLE_rara_ENV	Combination	Min	-75.4	-134.9	-14.3	-0.2	-6.0	-231.5
3707	0.7	C_SLE_rara_ENV	Combination	Min	-75.4	-135.3	-16.4	-0.2	-6.8	-244.5
3707	1.1	C_SLE_rara_ENV	Combination	Min	-75.4	-135.8	-18.5	-0.2	-6.9	-257.4
3708	0.0	C_SLE_rara_ENV	Combination	Max	-21.4	40.2	16.4	0.2	12.3	1314.4
3708	0.5	C_SLE_rara_ENV	Combination	Max	-21.4	39.6	13.6	0.2	9.4	1364.8
3708	1.0	C_SLE_rara_ENV	Combination	Max	-21.4	39.0	10.9	0.2	7.8	1415.5
3708	0.0	C_SLE_rara_ENV	Combination	Min	-83.2	-120.4	-3.8	-0.2	-2.6	-243.8
3708	0.5	C_SLE_rara_ENV	Combination	Min	-83.2	-121.0	-6.6	-0.2	-3.8	-260.2
3708	1.0	C_SLE_rara_ENV	Combination	Min	-83.2	-121.6	-9.4	-0.2	-3.7	-276.4
3709	0.0	C_SLE_rara_ENV	Combination	Max	-21.4	39.0	10.9	1.0	7.8	1422.4
3709	0.1	C_SLE_rara_ENV	Combination	Max	-21.4	38.8	10.2	1.0	8.7	1435.8
3709	0.0	C_SLE_rara_ENV	Combination	Min	-83.2	-121.6	-9.4	-0.9	-3.7	-274.3
3709	0.1	C_SLE_rara_ENV	Combination	Min	-83.2	-121.7	-10.1	-0.9	-4.4	-278.3
3710	0.0	C_SLE_rara_ENV	Combination	Max	-17.6	38.0	28.6	0.4	19.2	1446.9
3710	0.4	C_SLE_rara_ENV	Combination	Max	-17.6	37.6	26.6	0.4	15.7	1478.5
3710	0.7	C_SLE_rara_ENV	Combination	Max	-17.6	37.1	24.5	0.4	13.0	1510.3
3710	1.1	C_SLE_rara_ENV	Combination	Max	-17.6	36.7	22.4	0.4	11.1	1542.2

3710	0.0	C_SLE_rara_ENV	Combination	Min	-100.6	-104.9	-12.5	-0.4	-7.8	-271.5
3710	0.4	C_SLE_rara_ENV	Combination	Min	-100.6	-105.4	-14.6	-0.4	-9.2	-281.9
3710	0.7	C_SLE_rara_ENV	Combination	Min	-100.6	-105.8	-16.7	-0.4	-10.0	-292.0
3710	1.1	C_SLE_rara_ENV	Combination	Min	-100.6	-106.3	-18.8	-0.4	-10.0	-302.0
3711	0.0	C_SLE_rara_ENV	Combination	Max	-4.6	35.5	47.8	0.5	21.4	1558.5
3711	0.4	C_SLE_rara_ENV	Combination	Max	-4.6	35.0	45.5	0.5	19.4	1584.6
3711	0.8	C_SLE_rara_ENV	Combination	Max	-4.6	34.5	43.1	0.5	18.5	1611.0
3711	0.0	C_SLE_rara_ENV	Combination	Min	-126.6	-88.1	-28.1	-0.3	-7.3	-301.4
3711	0.4	C_SLE_rara_ENV	Combination	Min	-126.6	-88.6	-30.5	-0.3	-13.2	-309.1
3711	0.8	C_SLE_rara_ENV	Combination	Min	-126.6	-89.1	-32.8	-0.3	-18.1	-316.5
3712	0.0	C_SLE_rara_ENV	Combination	Max	-24.9	34.8	37.4	0.8	16.6	1610.3
3712	0.3	C_SLE_rara_ENV	Combination	Max	-24.9	34.4	35.9	0.8	11.0	1625.8
3712	0.0	C_SLE_rara_ENV	Combination	Min	-95.4	-82.8	-58.6	-1.7	-18.2	-316.0
3712	0.3	C_SLE_rara_ENV	Combination	Min	-95.4	-83.1	-60.1	-1.7	-8.3	-319.4
3713	0.0	C_SLE_rara_ENV	Combination	Max	-25.6	37.5	23.9	0.3	16.0	1617.2
3713	0.4	C_SLE_rara_ENV	Combination	Max	-25.6	37.0	21.8	0.3	16.7	1627.5
3713	0.7	C_SLE_rara_ENV	Combination	Max	-25.6	36.6	19.7	0.3	18.5	1637.9
3713	1.1	C_SLE_rara_ENV	Combination	Max	-25.6	36.1	17.6	0.3	21.3	1648.6
3713	0.0	C_SLE_rara_ENV	Combination	Min	-94.2	-67.4	-30.8	-0.4	-16.4	-309.7
3713	0.4	C_SLE_rara_ENV	Combination	Min	-94.2	-67.9	-32.9	-0.4	-14.4	-310.6
3713	0.7	C_SLE_rara_ENV	Combination	Min	-94.2	-68.3	-35.0	-0.4	-11.6	-311.2
3713	1.1	C_SLE_rara_ENV	Combination	Min	-94.2	-68.8	-37.0	-0.4	-8.0	-311.7

3714	0.0	C_SLE_rara_ENV	Combination	Max	-27.8	41.6	10.3	0.3	10.0	1635.4
3714	0.4	C_SLE_rara_ENV	Combination	Max	-27.8	41.1	8.1	0.3	11.4	1639.0
3714	0.8	C_SLE_rara_ENV	Combination	Max	-27.8	40.6	5.9	0.3	13.6	1642.8
3714	1.1	C_SLE_rara_ENV	Combination	Max	-27.8	40.2	3.7	0.3	16.8	1646.7
3714	0.0	C_SLE_rara_ENV	Combination	Min	-87.0	-55.6	-14.2	-0.4	-6.4	-305.2
3714	0.4	C_SLE_rara_ENV	Combination	Min	-87.0	-56.1	-16.4	-0.4	-6.5	-304.0
3714	0.8	C_SLE_rara_ENV	Combination	Min	-87.0	-56.6	-18.6	-0.4	-5.8	-302.6
3714	1.1	C_SLE_rara_ENV	Combination	Min	-87.0	-57.0	-20.8	-0.4	-4.3	-301.0
3715	0.0	C_SLE_rara_ENV	Combination	Max	-21.5	52.6	14.1	0.3	13.1	1643.4
3715	0.4	C_SLE_rara_ENV	Combination	Max	-21.5	52.1	11.9	0.3	12.5	1641.3
3715	0.8	C_SLE_rara_ENV	Combination	Max	-21.5	51.6	9.7	0.3	12.7	1639.3
3715	1.1	C_SLE_rara_ENV	Combination	Max	-21.5	51.1	7.5	0.3	13.7	1637.5
3715	0.0	C_SLE_rara_ENV	Combination	Min	-92.0	-46.6	-11.2	-0.4	-8.6	-303.9
3715	0.4	C_SLE_rara_ENV	Combination	Min	-92.0	-47.1	-13.4	-0.4	-7.3	-302.9
3715	0.8	C_SLE_rara_ENV	Combination	Min	-92.0	-47.6	-15.6	-0.4	-5.1	-301.6
3715	1.1	C_SLE_rara_ENV	Combination	Min	-92.0	-48.0	-17.8	-0.4	-2.1	-300.2
3716	0.0	C_SLE_rara_ENV	Combination	Max	-8.6	64.5	30.1	0.3	17.7	1644.0
3716	0.4	C_SLE_rara_ENV	Combination	Max	-8.6	64.1	28.0	0.3	17.5	1635.3
3716	0.7	C_SLE_rara_ENV	Combination	Max	-8.6	63.6	26.0	0.3	18.7	1626.7
3716	1.1	C_SLE_rara_ENV	Combination	Max	-8.6	63.2	23.9	0.3	21.0	1618.2
3716	0.0	C_SLE_rara_ENV	Combination	Min	-110.6	-42.6	-25.1	-0.4	-11.7	-312.2
3716	0.4	C_SLE_rara_ENV	Combination	Min	-110.6	-43.1	-27.2	-0.4	-12.7	-309.1

3716	0.7	C_SLE_rara_ENV	Combination	Min	-110.6	-43.5	-29.3	-0.4	-13.0	-305.9
3716	1.1	C_SLE_rara_ENV	Combination	Min	-110.6	-44.0	-31.3	-0.4	-12.5	-302.5
3717	0.0	C_SLE_rara_ENV	Combination	Max	5.7	79.0	53.4	1.5	9.9	1621.1
3717	0.3	C_SLE_rara_ENV	Combination	Max	5.7	78.6	51.9	1.5	17.7	1606.7
3717	0.0	C_SLE_rara_ENV	Combination	Min	-125.9	-40.9	-44.5	-0.7	-12.1	-317.2
3717	0.3	C_SLE_rara_ENV	Combination	Min	-125.9	-41.3	-46.0	-0.7	-19.3	-311.9
3718	0.0	C_SLE_rara_ENV	Combination	Max	-23.0	84.3	30.1	0.2	20.2	1606.0
3718	0.4	C_SLE_rara_ENV	Combination	Max	-23.0	83.8	27.8	0.2	19.9	1581.9
3718	0.8	C_SLE_rara_ENV	Combination	Max	-23.0	83.3	25.4	0.2	23.0	1558.0
3718	0.0	C_SLE_rara_ENV	Combination	Min	-93.8	-42.1	-48.2	-0.8	-19.8	-311.9
3718	0.4	C_SLE_rara_ENV	Combination	Min	-93.8	-42.6	-50.6	-0.8	-12.8	-301.2
3718	0.8	C_SLE_rara_ENV	Combination	Min	-93.8	-43.1	-52.9	-0.8	-4.9	-290.3
3719	0.0	C_SLE_rara_ENV	Combination	Max	-23.2	101.8	14.5	0.2	9.8	1536.5
3719	0.4	C_SLE_rara_ENV	Combination	Max	-23.2	101.4	12.5	0.2	12.1	1506.4
3719	0.7	C_SLE_rara_ENV	Combination	Max	-23.2	100.9	10.4	0.2	15.3	1476.5
3719	1.1	C_SLE_rara_ENV	Combination	Max	-23.2	100.5	8.3	0.2	20.5	1446.7
3719	0.0	C_SLE_rara_ENV	Combination	Min	-82.3	-43.8	-27.8	-0.5	-13.3	-292.7
3719	0.4	C_SLE_rara_ENV	Combination	Min	-82.3	-44.3	-29.9	-0.5	-11.4	-280.2
3719	0.7	C_SLE_rara_ENV	Combination	Min	-82.3	-44.7	-32.0	-0.5	-8.7	-267.6
3719	1.1	C_SLE_rara_ENV	Combination	Min	-82.3	-45.2	-34.1	-0.5	-5.2	-254.9
3720	0.0	C_SLE_rara_ENV	Combination	Max	-20.3	118.1	4.3	0.4	5.5	1429.1
3720	0.1	C_SLE_rara_ENV	Combination	Max	-20.3	117.9	3.6	0.4	5.1	1416.3

3720	0.0	C_SLE_rara_ENV	Combination	Min	-74.0	-44.8	-15.4	-1.6	-8.5	-264.1
3720	0.1	C_SLE_rara_ENV	Combination	Min	-74.0	-45.0	-16.1	-1.6	-7.0	-259.5
3721	0.0	C_SLE_rara_ENV	Combination	Max	-20.3	117.9	3.6	0.1	5.1	1409.9
3721	0.5	C_SLE_rara_ENV	Combination	Max	-20.3	117.3	0.9	0.1	8.6	1361.4
3721	1.0	C_SLE_rara_ENV	Combination	Max	-20.3	116.7	-1.9	0.1	13.5	1313.2
3721	0.0	C_SLE_rara_ENV	Combination	Min	-74.0	-45.0	-16.1	-0.2	-7.0	-261.4
3721	0.5	C_SLE_rara_ENV	Combination	Min	-74.0	-45.6	-18.9	-0.2	-3.9	-242.9
3721	1.0	C_SLE_rara_ENV	Combination	Min	-74.0	-46.2	-21.6	-0.2	0.6	-224.2
3722	0.0	C_SLE_rara_ENV	Combination	Max	-10.8	132.3	10.9	0.1	7.8	1304.9
3722	0.4	C_SLE_rara_ENV	Combination	Max	-10.8	131.8	8.8	0.1	8.7	1262.6
3722	0.7	C_SLE_rara_ENV	Combination	Max	-10.8	131.4	6.7	0.1	10.6	1220.5
3722	1.1	C_SLE_rara_ENV	Combination	Max	-10.8	130.9	4.6	0.1	13.1	1178.6
3722	0.0	C_SLE_rara_ENV	Combination	Min	-75.6	-45.3	-17.7	-0.3	-11.5	-241.0
3722	0.4	C_SLE_rara_ENV	Combination	Min	-75.6	-45.7	-19.8	-0.3	-8.8	-227.0
3722	0.7	C_SLE_rara_ENV	Combination	Min	-75.6	-46.2	-21.9	-0.3	-5.3	-212.8
3722	1.1	C_SLE_rara_ENV	Combination	Min	-75.6	-46.6	-23.9	-0.3	-1.1	-198.5
3723	0.0	C_SLE_rara_ENV	Combination	Max	9.4	146.8	25.8	0.2	11.6	1176.4
3723	0.5	C_SLE_rara_ENV	Combination	Max	9.4	146.3	23.2	0.2	13.9	1114.8
3723	0.9	C_SLE_rara_ENV	Combination	Max	9.4	145.7	20.5	0.2	18.0	1053.4
3723	0.0	C_SLE_rara_ENV	Combination	Min	-88.8	-47.7	-33.1	-0.2	-15.2	-224.3
3723	0.5	C_SLE_rara_ENV	Combination	Min	-88.8	-48.3	-35.8	-0.2	-13.6	-205.3
3723	0.9	C_SLE_rara_ENV	Combination	Min	-88.8	-48.9	-38.4	-0.2	-10.7	-186.2

3724	0.0	C_SLE_rara_ENV	Combination	Max	-21.0	154.0	32.0	0.1	25.0	1052.8
3724	0.2	C_SLE_rara_ENV	Combination	Max	-21.0	153.8	31.0	0.1	21.8	1028.9
3724	0.0	C_SLE_rara_ENV	Combination	Min	-67.9	-56.6	-62.5	-1.2	-9.1	-187.3
3724	0.2	C_SLE_rara_ENV	Combination	Min	-67.9	-56.8	-63.4	-1.2	-2.9	-179.0
3725	0.0	C_SLE_rara_ENV	Combination	Max	-9.3	173.8	15.6	0.1	10.3	1012.7
3725	0.4	C_SLE_rara_ENV	Combination	Max	-9.3	173.3	13.5	0.1	13.0	951.3
3725	0.7	C_SLE_rara_ENV	Combination	Max	-9.3	172.9	11.5	0.1	16.9	890.1
3725	1.1	C_SLE_rara_ENV	Combination	Max	-9.3	172.4	9.4	0.1	22.1	829.1
3725	0.0	C_SLE_rara_ENV	Combination	Min	-60.0	-60.6	-34.5	-0.4	-19.2	-198.8
3725	0.4	C_SLE_rara_ENV	Combination	Min	-60.0	-61.1	-36.6	-0.4	-15.1	-177.7
3725	0.7	C_SLE_rara_ENV	Combination	Min	-60.0	-61.5	-38.7	-0.4	-10.2	-156.5
3725	1.1	C_SLE_rara_ENV	Combination	Min	-60.0	-62.0	-40.8	-0.4	-4.5	-135.1
3726	0.0	C_SLE_rara_ENV	Combination	Max	-5.9	189.0	3.5	0.1	1.8	807.3
3726	0.4	C_SLE_rara_ENV	Combination	Max	-5.9	188.5	1.4	0.1	5.7	740.0
3726	0.7	C_SLE_rara_ENV	Combination	Max	-5.9	188.1	-0.7	0.1	10.7	672.9
3726	1.1	C_SLE_rara_ENV	Combination	Max	-5.9	187.6	-2.8	0.1	16.6	605.9
3726	0.0	C_SLE_rara_ENV	Combination	Min	-45.2	-63.3	-23.2	-0.4	-12.3	-148.7
3726	0.4	C_SLE_rara_ENV	Combination	Min	-45.2	-63.7	-25.3	-0.4	-9.1	-126.4
3726	0.7	C_SLE_rara_ENV	Combination	Min	-45.2	-64.2	-27.4	-0.4	-5.1	-104.0
3726	1.1	C_SLE_rara_ENV	Combination	Min	-45.2	-64.7	-29.5	-0.4	-0.4	-81.4
3727	0.0	C_SLE_rara_ENV	Combination	Max	3.1	201.2	1.1	0.1	0.7	587.1
3727	0.4	C_SLE_rara_ENV	Combination	Max	3.1	200.7	-1.0	0.1	4.3	516.1

3727	0.7	C_SLE_rara_ENV	Combination	Max	3.1	200.3	-3.0	0.1	9.1	445.2
3727	1.1	C_SLE_rara_ENV	Combination	Max	3.1	199.8	-5.1	0.1	14.9	374.5
3727	0.0	C_SLE_rara_ENV	Combination	Min	-32.1	-64.1	-22.2	-0.4	-12.6	-100.2
3727	0.4	C_SLE_rara_ENV	Combination	Min	-32.1	-64.6	-24.2	-0.4	-8.4	-77.9
3727	0.7	C_SLE_rara_ENV	Combination	Min	-32.1	-65.0	-26.3	-0.4	-3.4	-55.5
3727	1.1	C_SLE_rara_ENV	Combination	Min	-32.1	-65.5	-28.4	-0.4	2.3	-32.9
3728	0.0	C_SLE_rara_ENV	Combination	Max	13.3	210.8	1.3	0.2	0.4	354.4
3728	0.4	C_SLE_rara_ENV	Combination	Max	13.3	210.3	-0.8	0.2	4.8	282.6
3728	0.7	C_SLE_rara_ENV	Combination	Max	13.3	209.9	-2.8	0.2	10.8	211.1
3728	1.1	C_SLE_rara_ENV	Combination	Max	13.3	209.4	-4.9	0.2	18.1	139.7
3728	0.0	C_SLE_rara_ENV	Combination	Min	-16.2	-63.9	-29.2	-0.4	-17.2	-55.3
3728	0.4	C_SLE_rara_ENV	Combination	Min	-16.2	-64.3	-31.3	-0.4	-11.0	-36.4
3728	0.7	C_SLE_rara_ENV	Combination	Min	-16.2	-64.8	-33.4	-0.4	-4.3	-17.3
3728	1.1	C_SLE_rara_ENV	Combination	Min	-16.2	-65.2	-35.4	-0.4	2.2	2.0
3729	0.0	C_SLE_rara_ENV	Combination	Max	25.4	217.7	0.4	0.2	-0.1	113.4
3729	0.5	C_SLE_rara_ENV	Combination	Max	25.4	217.1	-2.4	0.2	8.9	30.0
3729	0.0	C_SLE_rara_ENV	Combination	Min	-1.7	-64.7	-42.9	-0.3	-16.7	-15.2
3729	0.5	C_SLE_rara_ENV	Combination	Min	-1.7	-65.3	-45.7	-0.3	-3.7	-6.2
3730	0.0	C_SLE_rara_ENV	Combination	Max	482.7	62.6	52.8	0.4	11.4	419.2
3730	0.5	C_SLE_rara_ENV	Combination	Max	482.7	63.4	52.8	0.4	18.4	534.6
3730	0.0	C_SLE_rara_ENV	Combination	Min	-4.9	-710.8	-55.8	-0.3	-19.2	-88.7
3730	0.5	C_SLE_rara_ENV	Combination	Min	-4.9	-710.0	-55.8	-0.3	-20.3	-14.7

3731	0.0	C_SLE_rara_ENV	Combination	Max	481.4	65.8	42.7	0.4	23.8	543.7
3731	0.4	C_SLE_rara_ENV	Combination	Max	481.4	66.4	42.7	0.4	14.8	620.0
3731	0.7	C_SLE_rara_ENV	Combination	Max	481.4	67.0	42.7	0.4	15.6	715.7
3731	1.1	C_SLE_rara_ENV	Combination	Max	481.4	67.6	42.7	0.4	16.5	908.6
3731	0.0	C_SLE_rara_ENV	Combination	Min	-17.2	-595.7	-28.1	-0.2	-14.0	-21.8
3731	0.4	C_SLE_rara_ENV	Combination	Min	-17.2	-595.2	-28.1	-0.2	-13.4	-11.4
3731	0.7	C_SLE_rara_ENV	Combination	Min	-17.2	-594.6	-28.1	-0.2	-12.8	-1.3
3731	1.1	C_SLE_rara_ENV	Combination	Min	-17.2	-594.0	-28.1	-0.2	-22.6	8.7
3732	0.0	C_SLE_rara_ENV	Combination	Max	462.0	87.3	46.8	0.4	26.8	888.4
3732	0.4	C_SLE_rara_ENV	Combination	Max	462.0	87.9	46.8	0.4	18.4	1034.3
3732	0.7	C_SLE_rara_ENV	Combination	Max	462.0	88.5	46.8	0.4	14.9	1180.0
3732	1.1	C_SLE_rara_ENV	Combination	Max	462.0	89.1	46.8	0.4	11.5	1325.5
3732	0.0	C_SLE_rara_ENV	Combination	Min	-26.5	-510.8	-19.1	-0.2	-9.4	12.7
3732	0.4	C_SLE_rara_ENV	Combination	Min	-26.5	-510.3	-19.1	-0.2	-12.1	22.6
3732	0.7	C_SLE_rara_ENV	Combination	Min	-26.5	-509.7	-19.1	-0.2	-14.8	32.3
3732	1.1	C_SLE_rara_ENV	Combination	Min	-26.5	-509.1	-19.1	-0.2	-23.9	39.2
3733	0.0	C_SLE_rara_ENV	Combination	Max	438.0	116.0	52.9	0.3	30.8	1302.7
3733	0.4	C_SLE_rara_ENV	Combination	Max	438.0	116.6	52.9	0.3	22.0	1409.1
3733	0.7	C_SLE_rara_ENV	Combination	Max	438.0	117.1	52.9	0.3	14.7	1515.3
3733	1.1	C_SLE_rara_ENV	Combination	Max	438.0	117.7	52.9	0.3	7.4	1621.3
3733	0.0	C_SLE_rara_ENV	Combination	Min	-41.5	-447.4	-11.6	-0.2	-5.9	41.4
3733	0.4	C_SLE_rara_ENV	Combination	Min	-41.5	-446.8	-11.6	-0.2	-11.9	48.0

3733	0.7	C_SLE_rara_ENV	Combination	Min	-41.5	-446.2	-11.6	-0.2	-17.9	54.3
3733	1.1	C_SLE_rara_ENV	Combination	Min	-41.5	-445.6	-11.6	-0.2	-26.6	60.5
3734	0.0	C_SLE_rara_ENV	Combination	Max	415.8	173.1	70.0	0.3	39.6	1597.4
3734	0.4	C_SLE_rara_ENV	Combination	Max	415.8	173.7	70.0	0.3	28.0	1675.5
3734	0.7	C_SLE_rara_ENV	Combination	Max	415.8	174.2	70.0	0.3	16.3	1753.4
3734	1.1	C_SLE_rara_ENV	Combination	Max	415.8	174.8	70.0	0.3	5.2	1831.1
3734	0.0	C_SLE_rara_ENV	Combination	Min	-63.6	-404.0	-9.5	-0.3	-5.9	63.0
3734	0.4	C_SLE_rara_ENV	Combination	Min	-63.6	-403.4	-9.5	-0.3	-16.0	68.9
3734	0.7	C_SLE_rara_ENV	Combination	Min	-63.6	-402.8	-9.5	-0.3	-26.1	74.7
3734	1.1	C_SLE_rara_ENV	Combination	Min	-63.6	-402.3	-9.5	-0.3	-36.1	80.2
3735	0.0	C_SLE_rara_ENV	Combination	Max	389.0	216.8	110.1	0.7	26.3	1811.6
3735	0.2	C_SLE_rara_ENV	Combination	Max	389.0	217.1	110.1	0.7	22.3	1825.3
3735	0.0	C_SLE_rara_ENV	Combination	Min	-71.4	-380.8	-21.8	-1.2	-18.2	82.7
3735	0.2	C_SLE_rara_ENV	Combination	Min	-71.4	-380.5	-21.8	-1.2	-21.8	85.1
3736	0.0	C_SLE_rara_ENV	Combination	Max	395.1	143.1	38.5	0.3	15.5	1825.4
3736	0.5	C_SLE_rara_ENV	Combination	Max	395.1	143.9	38.5	0.3	20.6	1941.7
3736	0.9	C_SLE_rara_ENV	Combination	Max	395.1	144.6	38.5	0.3	30.8	2057.5
3736	0.0	C_SLE_rara_ENV	Combination	Min	-63.4	-440.4	-60.7	-0.1	-25.0	85.1
3736	0.5	C_SLE_rara_ENV	Combination	Min	-63.4	-439.7	-60.7	-0.1	-19.7	91.8
3736	0.9	C_SLE_rara_ENV	Combination	Min	-63.4	-438.9	-60.7	-0.1	-20.8	98.2
3737	0.0	C_SLE_rara_ENV	Combination	Max	348.8	170.0	36.3	0.3	20.4	2058.5
3737	0.4	C_SLE_rara_ENV	Combination	Max	348.8	170.5	36.3	0.3	17.4	2130.4

3737	0.7	C_SLE_rara_ENV	Combination	Max	348.8	171.1	36.3	0.3	20.0	2202.1
3737	1.1	C_SLE_rara_ENV	Combination	Max	348.8	171.7	36.3	0.3	22.5	2273.7
3737	0.0	C_SLE_rara_ENV	Combination	Min	-49.3	-402.8	-35.0	-0.2	-15.7	100.5
3737	0.4	C_SLE_rara_ENV	Combination	Min	-49.3	-402.2	-35.0	-0.2	-15.0	105.2
3737	0.7	C_SLE_rara_ENV	Combination	Min	-49.3	-401.6	-35.0	-0.2	-14.2	109.6
3737	1.1	C_SLE_rara_ENV	Combination	Min	-49.3	-401.0	-35.0	-0.2	-19.4	113.8
3738	0.0	C_SLE_rara_ENV	Combination	Max	313.7	207.0	40.8	0.2	24.2	2268.2
3738	0.5	C_SLE_rara_ENV	Combination	Max	313.7	207.8	40.8	0.2	16.7	2334.0
3738	1.0	C_SLE_rara_ENV	Combination	Max	313.7	208.6	40.8	0.2	11.7	2399.5
3738	0.0	C_SLE_rara_ENV	Combination	Min	-41.3	-363.8	-19.5	-0.4	-8.6	116.2
3738	0.5	C_SLE_rara_ENV	Combination	Min	-41.3	-363.1	-19.5	-0.4	-11.0	121.3
3738	1.0	C_SLE_rara_ENV	Combination	Min	-41.3	-362.3	-19.5	-0.4	-16.1	126.1
3739	0.0	C_SLE_rara_ENV	Combination	Max	313.7	208.6	40.8	3.5	11.7	2389.8
3739	0.1	C_SLE_rara_ENV	Combination	Max	313.7	208.8	40.8	3.5	13.8	2420.4
3739	0.0	C_SLE_rara_ENV	Combination	Min	-41.3	-362.3	-19.5	-1.7	-16.1	126.1
3739	0.1	C_SLE_rara_ENV	Combination	Min	-41.3	-362.1	-19.5	-1.7	-20.7	127.2
3740	0.0	C_SLE_rara_ENV	Combination	Max	288.5	243.4	54.9	0.4	35.4	2406.2
3740	0.4	C_SLE_rara_ENV	Combination	Max	288.5	244.0	54.9	0.4	26.6	2441.0
3740	0.7	C_SLE_rara_ENV	Combination	Max	288.5	244.6	54.9	0.4	17.9	2475.6
3740	1.1	C_SLE_rara_ENV	Combination	Max	288.5	245.1	54.9	0.4	9.2	2510.0
3740	0.0	C_SLE_rara_ENV	Combination	Min	-54.1	-329.0	-15.1	-0.5	-8.2	129.7
3740	0.4	C_SLE_rara_ENV	Combination	Min	-54.1	-328.4	-15.1	-0.5	-13.5	132.8

3740	0.7	C_SLE_rara_ENV	Combination	Min	-54.1	-327.9	-15.1	-0.5	-18.9	135.6
3740	1.1	C_SLE_rara_ENV	Combination	Min	-54.1	-327.3	-15.1	-0.5	-24.3	138.2
3741	0.0	C_SLE_rara_ENV	Combination	Max	273.0	276.3	83.9	0.4	41.1	2490.0
3741	0.4	C_SLE_rara_ENV	Combination	Max	273.0	277.0	83.9	0.4	24.5	2500.2
3741	0.8	C_SLE_rara_ENV	Combination	Max	273.0	277.7	83.9	0.4	9.7	2510.1
3741	0.0	C_SLE_rara_ENV	Combination	Min	-72.2	-304.8	-20.7	-0.7	-13.5	140.9
3741	0.4	C_SLE_rara_ENV	Combination	Min	-72.2	-304.1	-20.7	-0.7	-21.0	143.2
3741	0.8	C_SLE_rara_ENV	Combination	Min	-72.2	-303.5	-20.7	-0.7	-28.6	144.9
3742	0.0	C_SLE_rara_ENV	Combination	Max	286.4	220.1	37.9	1.1	8.6	2510.5
3742	0.3	C_SLE_rara_ENV	Combination	Max	286.4	220.5	37.9	1.1	17.9	2562.1
3742	0.0	C_SLE_rara_ENV	Combination	Min	-61.9	-367.8	-98.8	-0.8	-27.7	144.8
3742	0.3	C_SLE_rara_ENV	Combination	Min	-61.9	-367.3	-98.8	-0.8	-20.7	139.1
3743	0.0	C_SLE_rara_ENV	Combination	Max	250.4	236.7	30.3	0.3	17.1	2563.5
3743	0.4	C_SLE_rara_ENV	Combination	Max	250.4	237.3	30.3	0.3	19.1	2589.9
3743	0.7	C_SLE_rara_ENV	Combination	Max	250.4	237.9	30.3	0.3	28.7	2616.1
3743	1.1	C_SLE_rara_ENV	Combination	Max	250.4	238.5	30.3	0.3	38.4	2642.1
3743	0.0	C_SLE_rara_ENV	Combination	Min	-59.7	-338.8	-63.5	-0.5	-30.4	148.5
3743	0.4	C_SLE_rara_ENV	Combination	Min	-59.7	-338.2	-63.5	-0.5	-23.4	149.6
3743	0.7	C_SLE_rara_ENV	Combination	Min	-59.7	-337.6	-63.5	-0.5	-16.3	146.8
3743	1.1	C_SLE_rara_ENV	Combination	Min	-59.7	-337.0	-63.5	-0.5	-16.3	139.3
3744	0.0	C_SLE_rara_ENV	Combination	Max	215.3	264.9	29.8	0.3	20.6	2651.6
3744	0.4	C_SLE_rara_ENV	Combination	Max	215.3	265.6	29.8	0.3	19.6	2660.3

3744	0.8	C_SLE_rara_ENV	Combination	Max	215.3	266.2	29.8	0.3	24.3	2668.9
3744	1.1	C_SLE_rara_ENV	Combination	Max	215.3	266.8	29.8	0.3	29.0	2677.2
3744	0.0	C_SLE_rara_ENV	Combination	Min	-45.5	-301.2	-39.6	-0.5	-17.8	153.2
3744	0.4	C_SLE_rara_ENV	Combination	Min	-45.5	-300.5	-39.6	-0.5	-15.1	153.1
3744	0.8	C_SLE_rara_ENV	Combination	Min	-45.5	-299.9	-39.6	-0.5	-12.4	145.3
3744	1.1	C_SLE_rara_ENV	Combination	Min	-45.5	-299.3	-39.6	-0.5	-16.2	137.3
3745	0.0	C_SLE_rara_ENV	Combination	Max	192.5	303.1	38.6	0.3	27.4	2676.3
3745	0.4	C_SLE_rara_ENV	Combination	Max	192.5	303.7	38.6	0.3	23.3	2666.8
3745	0.8	C_SLE_rara_ENV	Combination	Max	192.5	304.3	38.6	0.3	20.8	2657.1
3745	1.1	C_SLE_rara_ENV	Combination	Max	192.5	304.9	38.6	0.3	18.3	2647.2
3745	0.0	C_SLE_rara_ENV	Combination	Min	-51.4	-262.4	-25.7	-0.5	-13.4	155.0
3745	0.4	C_SLE_rara_ENV	Combination	Min	-51.4	-261.8	-25.7	-0.5	-13.8	148.3
3745	0.8	C_SLE_rara_ENV	Combination	Min	-51.4	-261.2	-25.7	-0.5	-14.3	139.7
3745	1.1	C_SLE_rara_ENV	Combination	Min	-51.4	-260.6	-25.7	-0.5	-17.9	130.9
3746	0.0	C_SLE_rara_ENV	Combination	Max	181.8	340.6	59.1	0.3	35.7	2636.4
3746	0.4	C_SLE_rara_ENV	Combination	Max	181.8	341.2	59.1	0.3	28.1	2610.2
3746	0.7	C_SLE_rara_ENV	Combination	Max	181.8	341.8	59.1	0.3	20.5	2583.9
3746	1.1	C_SLE_rara_ENV	Combination	Max	181.8	342.4	59.1	0.3	14.3	2557.3
3746	0.0	C_SLE_rara_ENV	Combination	Min	-73.3	-234.0	-24.3	-0.6	-13.5	148.2
3746	0.4	C_SLE_rara_ENV	Combination	Min	-73.3	-233.4	-24.3	-0.6	-18.5	139.9
3746	0.7	C_SLE_rara_ENV	Combination	Min	-73.3	-232.8	-24.3	-0.6	-23.5	131.5
3746	1.1	C_SLE_rara_ENV	Combination	Min	-73.3	-232.3	-24.3	-0.6	-28.5	122.8

3747	0.0	C_SLE_rara_ENV	Combination	Max	171.8	371.4	94.7	0.6	14.8	2556.3
3747	0.3	C_SLE_rara_ENV	Combination	Max	171.8	371.8	94.7	0.6	7.2	2505.0
3747	0.0	C_SLE_rara_ENV	Combination	Min	-84.2	-216.5	-35.1	-1.4	-26.5	138.1
3747	0.3	C_SLE_rara_ENV	Combination	Min	-84.2	-216.0	-35.1	-1.4	-30.8	131.9
3748	0.0	C_SLE_rara_ENV	Combination	Max	185.1	308.2	23.9	0.5	9.2	2505.2
3748	0.4	C_SLE_rara_ENV	Combination	Max	185.1	308.9	23.9	0.5	25.6	2495.9
3748	0.8	C_SLE_rara_ENV	Combination	Max	185.1	309.5	23.9	0.5	44.8	2486.3
3748	0.0	C_SLE_rara_ENV	Combination	Min	-71.6	-274.1	-88.4	-0.6	-28.7	131.8
3748	0.4	C_SLE_rara_ENV	Combination	Min	-71.6	-273.5	-88.4	-0.6	-18.3	122.5
3748	0.8	C_SLE_rara_ENV	Combination	Min	-71.6	-272.8	-88.4	-0.6	-12.8	112.9
3749	0.0	C_SLE_rara_ENV	Combination	Max	154.8	332.2	19.6	0.3	11.3	2503.9
3749	0.4	C_SLE_rara_ENV	Combination	Max	154.8	332.7	19.6	0.3	16.2	2469.5
3749	0.7	C_SLE_rara_ENV	Combination	Max	154.8	333.3	19.6	0.3	27.2	2435.0
3749	1.1	C_SLE_rara_ENV	Combination	Max	154.8	333.9	19.6	0.3	38.2	2400.3
3749	0.0	C_SLE_rara_ENV	Combination	Min	-61.4	-241.9	-60.0	-0.6	-26.9	127.5
3749	0.4	C_SLE_rara_ENV	Combination	Min	-61.4	-241.3	-60.0	-0.6	-19.3	119.2
3749	0.7	C_SLE_rara_ENV	Combination	Min	-61.4	-240.7	-60.0	-0.6	-11.8	110.6
3749	1.1	C_SLE_rara_ENV	Combination	Min	-61.4	-240.1	-60.0	-0.6	-10.7	101.9
3750	0.0	C_SLE_rara_ENV	Combination	Max	133.5	366.3	21.7	1.8	14.6	2409.6
3750	0.1	C_SLE_rara_ENV	Combination	Max	133.5	366.5	21.7	1.8	12.2	2378.7
3750	0.0	C_SLE_rara_ENV	Combination	Min	-59.1	-205.1	-40.7	-3.6	-20.5	115.6
3750	0.1	C_SLE_rara_ENV	Combination	Min	-59.1	-204.9	-40.7	-3.6	-15.8	112.8

3751	0.0	C_SLE_rara_ENV	Combination	Max	133.5	366.5	21.7	0.3	12.2	2386.5
3751	0.5	C_SLE_rara_ENV	Combination	Max	133.5	367.3	21.7	0.3	16.8	2321.1
3751	1.0	C_SLE_rara_ENV	Combination	Max	133.5	368.1	21.7	0.3	24.8	2255.3
3751	0.0	C_SLE_rara_ENV	Combination	Min	-59.1	-204.9	-40.7	-0.3	-15.8	117.8
3751	0.5	C_SLE_rara_ENV	Combination	Min	-59.1	-204.1	-40.7	-0.3	-10.6	107.6
3751	1.0	C_SLE_rara_ENV	Combination	Min	-59.1	-203.3	-40.7	-0.3	-10.0	95.7
3752	0.0	C_SLE_rara_ENV	Combination	Max	122.8	404.9	31.8	0.1	20.1	2255.0
3752	0.4	C_SLE_rara_ENV	Combination	Max	122.8	405.5	31.8	0.1	19.3	2183.4
3752	0.7	C_SLE_rara_ENV	Combination	Max	122.8	406.1	31.8	0.1	18.9	2111.5
3752	1.1	C_SLE_rara_ENV	Combination	Max	122.8	406.7	31.8	0.1	18.5	2039.4
3752	0.0	C_SLE_rara_ENV	Combination	Min	-75.0	-167.4	-32.2	-0.4	-16.9	103.9
3752	0.4	C_SLE_rara_ENV	Combination	Min	-75.0	-166.8	-32.2	-0.4	-15.6	97.2
3752	0.7	C_SLE_rara_ENV	Combination	Min	-75.0	-166.2	-32.2	-0.4	-14.3	88.5
3752	1.1	C_SLE_rara_ENV	Combination	Min	-75.0	-165.6	-32.2	-0.4	-14.5	79.0
3753	0.0	C_SLE_rara_ENV	Combination	Max	136.1	443.1	57.7	0.1	28.3	2035.0
3753	0.5	C_SLE_rara_ENV	Combination	Max	136.1	443.9	57.7	0.1	20.0	1919.8
3753	0.9	C_SLE_rara_ENV	Combination	Max	136.1	444.6	57.7	0.1	12.8	1804.3
3753	0.0	C_SLE_rara_ENV	Combination	Min	-96.9	-140.1	-32.7	-0.5	-19.0	85.4
3753	0.5	C_SLE_rara_ENV	Combination	Min	-96.9	-139.3	-32.7	-0.5	-21.8	75.7
3753	0.9	C_SLE_rara_ENV	Combination	Min	-96.9	-138.6	-32.7	-0.5	-24.9	64.6
3754	0.0	C_SLE_rara_ENV	Combination	Max	173.0	385.5	20.7	1.1	23.8	1804.7
3754	0.2	C_SLE_rara_ENV	Combination	Max	173.0	385.7	20.7	1.1	31.1	1790.5

3754	0.0	C_SLE_rara_ENV	Combination	Min	-88.0	-212.3	-118.9	-0.8	-18.9	64.5
3754	0.2	C_SLE_rara_ENV	Combination	Min	-88.0	-212.0	-118.9	-0.8	-12.9	60.0
3755	0.0	C_SLE_rara_ENV	Combination	Max	142.2	407.9	13.3	0.2	7.5	1808.8
3755	0.4	C_SLE_rara_ENV	Combination	Max	142.2	408.5	13.3	0.2	14.9	1731.2
3755	0.7	C_SLE_rara_ENV	Combination	Max	142.2	409.0	13.3	0.2	29.3	1653.4
3755	1.1	C_SLE_rara_ENV	Combination	Max	142.2	409.6	13.3	0.2	43.7	1575.4
3755	0.0	C_SLE_rara_ENV	Combination	Min	-82.4	-170.3	-77.4	-0.4	-40.1	63.8
3755	0.4	C_SLE_rara_ENV	Combination	Min	-82.4	-169.7	-77.4	-0.4	-26.9	55.3
3755	0.7	C_SLE_rara_ENV	Combination	Min	-82.4	-169.1	-77.4	-0.4	-13.8	46.6
3755	1.1	C_SLE_rara_ENV	Combination	Min	-82.4	-168.5	-77.4	-0.4	-7.3	37.7
3756	0.0	C_SLE_rara_ENV	Combination	Max	100.0	451.2	13.2	0.2	8.0	1594.9
3756	0.4	C_SLE_rara_ENV	Combination	Max	100.0	451.8	13.2	0.2	13.4	1488.6
3756	0.7	C_SLE_rara_ENV	Combination	Max	100.0	452.4	13.2	0.2	23.3	1382.0
3756	1.1	C_SLE_rara_ENV	Combination	Max	100.0	453.0	13.2	0.2	33.1	1275.2
3756	0.0	C_SLE_rara_ENV	Combination	Min	-70.8	-111.7	-55.8	-0.4	-27.4	39.9
3756	0.4	C_SLE_rara_ENV	Combination	Min	-70.8	-111.2	-55.8	-0.4	-18.8	30.5
3756	0.7	C_SLE_rara_ENV	Combination	Min	-70.8	-110.6	-55.8	-0.4	-10.2	20.9
3756	1.1	C_SLE_rara_ENV	Combination	Min	-70.8	-110.0	-55.8	-0.4	-6.9	11.2
3757	0.0	C_SLE_rara_ENV	Combination	Max	63.1	513.9	17.5	0.2	9.9	1290.9
3757	0.4	C_SLE_rara_ENV	Combination	Max	63.1	514.5	17.5	0.2	14.0	1144.6
3757	0.7	C_SLE_rara_ENV	Combination	Max	63.1	515.0	17.5	0.2	19.5	998.1
3757	1.1	C_SLE_rara_ENV	Combination	Max	63.1	515.6	17.5	0.2	24.9	851.4

3757	0.0	C_SLE_rara_ENV	Combination	Min	-63.2	-37.3	-42.1	-0.4	-20.8	13.0
3757	0.4	C_SLE_rara_ENV	Combination	Min	-63.2	-36.7	-42.1	-0.4	-16.1	2.9
3757	0.7	C_SLE_rara_ENV	Combination	Min	-63.2	-36.1	-42.1	-0.4	-11.4	-8.5
3757	1.1	C_SLE_rara_ENV	Combination	Min	-63.2	-35.5	-42.1	-0.4	-9.1	-21.7
3758	0.0	C_SLE_rara_ENV	Combination	Max	31.0	598.0	24.8	0.2	14.9	865.9
3758	0.4	C_SLE_rara_ENV	Combination	Max	31.0	598.6	24.8	0.2	15.9	671.8
3758	0.7	C_SLE_rara_ENV	Combination	Max	31.0	599.2	24.8	0.2	16.8	477.5
3758	1.1	C_SLE_rara_ENV	Combination	Max	31.0	599.8	24.8	0.2	18.0	283.0
3758	0.0	C_SLE_rara_ENV	Combination	Min	-57.5	17.9	-31.7	-0.4	-16.5	-22.8
3758	0.4	C_SLE_rara_ENV	Combination	Min	-57.5	18.4	-31.7	-0.4	-14.7	-36.2
3758	0.7	C_SLE_rara_ENV	Combination	Min	-57.5	19.0	-31.7	-0.4	-13.6	-49.8
3758	1.1	C_SLE_rara_ENV	Combination	Min	-57.5	19.6	-31.7	-0.4	-12.5	-63.6
3759	0.0	C_SLE_rara_ENV	Combination	Max	7.5	714.1	53.2	0.3	16.9	284.9
3759	0.5	C_SLE_rara_ENV	Combination	Max	7.5	714.9	53.2	0.3	8.6	4.6
3759	0.0	C_SLE_rara_ENV	Combination	Min	-54.5	25.8	-41.0	-0.4	-21.7	-55.3
3759	0.5	C_SLE_rara_ENV	Combination	Min	-54.5	26.6	-41.0	-0.4	-17.6	-135.1

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
3575	0.0	C_SLU_STR_ENV	Combination	Max	30.5	91.3	7.4	0.5	30.5	21.3
3575	0.3	C_SLU_STR_ENV	Combination	Max	30.5	93.3	7.4	0.5	34.8	15.6
3575	0.6	C_SLU_STR_ENV	Combination	Max	30.5	95.3	7.4	0.5	39.0	9.3
3575	0.0	C_SLU_STR_ENV	Combination	Min	-10.0	-2.1	-66.3	-0.2	-18.8	-32.3
3575	0.3	C_SLU_STR_ENV	Combination	Min	-10.0	-0.1	-66.3	-0.2	-10.6	-43.5
3575	0.6	C_SLU_STR_ENV	Combination	Min	-10.0	1.9	-66.3	-0.2	-5.0	-55.2

3576	0.0	C_SLU_STR_ENV	Combination	Max	15.0	0.8	72.8	0.2	36.6	12.5
3576	0.3	C_SLU_STR_ENV	Combination	Max	15.0	2.8	72.8	0.2	34.0	17.7
3576	0.6	C_SLU_STR_ENV	Combination	Max	15.0	4.8	72.8	0.2	31.4	22.4
3576	0.0	C_SLU_STR_ENV	Combination	Min	-34.9	-103.9	-13.5	-0.5	-2.3	-66.3
3576	0.3	C_SLU_STR_ENV	Combination	Min	-34.9	-101.9	-13.5	-0.5	-12.0	-50.4
3576	0.6	C_SLU_STR_ENV	Combination	Min	-34.9	-99.9	-13.5	-0.5	-22.9	-35.1
3577	0.0	C_SLU_STR_ENV	Combination	Max	40.8	208.0	97.5	0.4	45.5	36.8
3577	0.3	C_SLU_STR_ENV	Combination	Max	40.8	208.7	97.5	0.4	33.9	31.5
3577	0.6	C_SLU_STR_ENV	Combination	Max	40.8	209.4	97.5	0.4	22.3	25.9
3577	0.0	C_SLU_STR_ENV	Combination	Min	-50.2	-3.4	-23.8	-0.5	-23.2	-35.1
3577	0.3	C_SLU_STR_ENV	Combination	Min	-50.2	-2.7	-23.8	-0.5	-29.5	-78.6
3577	0.6	C_SLU_STR_ENV	Combination	Min	-50.2	-2.0	-23.8	-0.5	-35.8	-122.3
3578	0.0	C_SLU_STR_ENV	Combination	Max	54.1	7.6	30.6	0.4	26.6	27.2
3578	0.3	C_SLU_STR_ENV	Combination	Max	54.1	8.4	30.6	0.4	34.5	34.0
3578	0.6	C_SLU_STR_ENV	Combination	Max	54.1	9.1	30.6	0.4	42.5	40.6
3578	0.0	C_SLU_STR_ENV	Combination	Min	-29.2	-200.2	-88.7	-0.4	-33.6	-114.8
3578	0.3	C_SLU_STR_ENV	Combination	Min	-29.2	-199.5	-88.7	-0.4	-28.2	-77.0
3578	0.6	C_SLU_STR_ENV	Combination	Min	-29.2	-198.7	-88.7	-0.4	-22.8	-39.4
3579	0.0	C_SLU_STR_ENV	Combination	Max	23.3	82.0	2.5	0.5	21.1	44.2
3579	0.3	C_SLU_STR_ENV	Combination	Max	23.3	82.7	2.5	0.5	24.7	39.5
3579	0.6	C_SLU_STR_ENV	Combination	Max	23.3	83.4	2.5	0.5	28.3	34.7
3579	0.0	C_SLU_STR_ENV	Combination	Min	-31.1	-5.6	-39.0	-0.3	-11.3	-19.0
3579	0.3	C_SLU_STR_ENV	Combination	Min	-31.1	-4.9	-39.0	-0.3	-6.5	-32.7
3579	0.6	C_SLU_STR_ENV	Combination	Min	-31.1	-4.2	-39.0	-0.3	-1.8	-46.6
3580	0.0	C_SLU_STR_ENV	Combination	Max	18.7	5.6	28.8	0.2	25.4	36.7
3580	0.3	C_SLU_STR_ENV	Combination	Max	18.7	6.3	28.8	0.2	24.7	40.3
3580	0.6	C_SLU_STR_ENV	Combination	Max	18.7	7.1	28.8	0.2	23.9	43.7
3580	0.0	C_SLU_STR_ENV	Combination	Min	-42.8	-84.8	-7.0	-0.5	-1.1	-48.8
3580	0.3	C_SLU_STR_ENV	Combination	Min	-42.8	-84.1	-7.0	-0.5	-4.2	-33.5
3580	0.6	C_SLU_STR_ENV	Combination	Min	-42.8	-83.4	-7.0	-0.5	-7.3	-18.4
3581	0.0	C_SLU_STR_ENV	Combination	Max	10.1	15.9	21.8	0.4	16.2	43.8
3581	0.3	C_SLU_STR_ENV	Combination	Max	10.1	15.3	19.2	0.4	12.3	44.7
3581	0.6	C_SLU_STR_ENV	Combination	Max	10.1	14.8	16.6	0.4	10.9	45.7
3581	0.0	C_SLU_STR_ENV	Combination	Min	-18.0	-7.9	-12.6	-0.2	-4.3	-7.0
3581	0.3	C_SLU_STR_ENV	Combination	Min	-18.0	-8.5	-15.2	-0.2	-3.0	-8.3
3581	0.6	C_SLU_STR_ENV	Combination	Min	-18.0	-9.1	-17.7	-0.2	-1.4	-9.5

3582	0.0	C_SLU_STR_ENV	Combination	Max	7.6	4.5	15.2	0.1	18.1	39.3
3582	0.3	C_SLU_STR_ENV	Combination	Max	7.6	4.0	12.6	0.1	16.5	40.1
3582	0.6	C_SLU_STR_ENV	Combination	Max	7.6	3.4	10.0	0.1	15.7	41.0
3582	0.0	C_SLU_STR_ENV	Combination	Min	-14.9	-15.6	-5.8	-0.6	0.6	-8.0
3582	0.3	C_SLU_STR_ENV	Combination	Min	-14.9	-16.1	-8.4	-0.6	-0.5	-6.7
3582	0.6	C_SLU_STR_ENV	Combination	Min	-14.9	-16.7	-10.9	-0.6	-1.3	-5.2
3583	0.0	C_SLU_STR_ENV	Combination	Max	50.5	264.5	46.3	0.6	27.4	60.8
3583	0.3	C_SLU_STR_ENV	Combination	Max	50.5	265.2	46.3	0.6	24.0	46.5
3583	0.6	C_SLU_STR_ENV	Combination	Max	50.5	265.9	46.3	0.6	20.6	35.2
3583	0.0	C_SLU_STR_ENV	Combination	Min	-47.6	-4.1	-20.8	-0.3	-13.9	-56.3
3583	0.3	C_SLU_STR_ENV	Combination	Min	-47.6	-3.3	-20.8	-0.3	-15.1	-102.4
3583	0.6	C_SLU_STR_ENV	Combination	Min	-47.6	-2.6	-20.8	-0.3	-16.4	-148.6
3584	0.0	C_SLU_STR_ENV	Combination	Max	54.2	4.4	12.6	0.2	21.3	38.0
3584	0.3	C_SLU_STR_ENV	Combination	Max	54.2	5.1	12.6	0.2	24.5	49.3
3584	0.6	C_SLU_STR_ENV	Combination	Max	54.2	5.9	12.6	0.2	27.7	65.1
3584	0.0	C_SLU_STR_ENV	Combination	Min	-35.5	-259.1	-44.2	-0.6	-15.3	-142.7
3584	0.3	C_SLU_STR_ENV	Combination	Min	-35.5	-258.3	-44.2	-0.6	-12.5	-100.2
3584	0.6	C_SLU_STR_ENV	Combination	Min	-35.5	-257.6	-44.2	-0.6	-9.8	-58.0
3610	0.0	C_SLU_STR_ENV	Combination	Max	9.5	-75.7	170.3	0.4	35.2	9.6
3610	0.5	C_SLU_STR_ENV	Combination	Max	9.5	-72.4	170.3	0.4	6.0	323.7
3610	0.0	C_SLU_STR_ENV	Combination	Min	-74.8	-696.7	-6.6	-0.5	-5.0	-55.9
3610	0.5	C_SLU_STR_ENV	Combination	Min	-74.8	-693.5	-6.6	-0.5	-54.6	20.6
3611	0.0	C_SLU_STR_ENV	Combination	Max	29.9	-72.9	117.8	0.4	58.7	317.2
3611	0.4	C_SLU_STR_ENV	Combination	Max	29.9	-70.5	117.8	0.4	39.5	552.9
3611	0.7	C_SLU_STR_ENV	Combination	Max	29.9	-68.0	117.8	0.4	20.4	787.7
3611	1.1	C_SLU_STR_ENV	Combination	Max	29.9	-65.6	117.8	0.4	2.4	1021.7
3611	0.0	C_SLU_STR_ENV	Combination	Min	-43.1	-674.9	-7.1	-0.3	-7.3	6.8
3611	0.4	C_SLU_STR_ENV	Combination	Min	-43.1	-672.5	-7.1	-0.3	-27.8	33.9
3611	0.7	C_SLU_STR_ENV	Combination	Min	-43.1	-670.1	-7.1	-0.3	-48.3	60.1
3611	1.1	C_SLU_STR_ENV	Combination	Min	-43.1	-667.7	-7.1	-0.3	-68.8	85.5
3612	0.0	C_SLU_STR_ENV	Combination	Max	55.2	-66.2	77.5	0.4	34.2	1019.9
3612	0.4	C_SLU_STR_ENV	Combination	Max	55.2	-63.8	77.5	0.4	26.2	1244.7
3612	0.7	C_SLU_STR_ENV	Combination	Max	55.2	-61.4	77.5	0.4	18.2	1468.6
3612	1.1	C_SLU_STR_ENV	Combination	Max	55.2	-59.0	77.5	0.4	10.2	1691.7
3612	0.0	C_SLU_STR_ENV	Combination	Min	-26.0	-643.9	-31.9	-0.3	-25.0	75.0
3612	0.4	C_SLU_STR_ENV	Combination	Min	-26.0	-641.5	-31.9	-0.3	-33.5	99.0

3612	0.7	C_SLU_STR_ENV	Combination	Min	-26.0	-639.1	-31.9	-0.3	-42.0	122.0
3612	1.1	C_SLU_STR_ENV	Combination	Min	-26.0	-636.7	-31.9	-0.3	-50.5	144.2
3613	0.0	C_SLU_STR_ENV	Combination	Max	67.7	-59.3	41.3	0.4	17.4	1701.0
3613	0.4	C_SLU_STR_ENV	Combination	Max	67.7	-56.9	41.3	0.4	20.7	1910.3
3613	0.7	C_SLU_STR_ENV	Combination	Max	67.7	-54.4	41.3	0.4	25.8	2118.8
3613	1.1	C_SLU_STR_ENV	Combination	Max	67.7	-52.0	41.3	0.4	31.0	2326.4
3613	0.0	C_SLU_STR_ENV	Combination	Min	-17.2	-607.5	-71.0	-0.2	-46.6	134.9
3613	0.4	C_SLU_STR_ENV	Combination	Min	-17.2	-605.1	-71.0	-0.2	-40.5	156.3
3613	0.7	C_SLU_STR_ENV	Combination	Min	-17.2	-602.6	-71.0	-0.2	-34.5	176.8
3613	1.1	C_SLU_STR_ENV	Combination	Min	-17.2	-600.2	-71.0	-0.2	-28.5	196.5
3614	0.0	C_SLU_STR_ENV	Combination	Max	69.6	-52.0	28.5	0.5	14.4	2340.7
3614	0.4	C_SLU_STR_ENV	Combination	Max	69.6	-49.5	28.5	0.5	32.8	2529.5
3614	0.7	C_SLU_STR_ENV	Combination	Max	69.6	-47.1	28.5	0.5	52.7	2717.4
3614	1.1	C_SLU_STR_ENV	Combination	Max	69.6	-44.7	28.5	0.5	72.5	2904.4
3614	0.0	C_SLU_STR_ENV	Combination	Min	-19.1	-563.9	-130.2	-0.2	-68.7	188.2
3614	0.4	C_SLU_STR_ENV	Combination	Min	-19.1	-561.5	-130.2	-0.2	-50.5	207.2
3614	0.7	C_SLU_STR_ENV	Combination	Min	-19.1	-559.1	-130.2	-0.2	-32.3	225.2
3614	1.1	C_SLU_STR_ENV	Combination	Min	-19.1	-556.7	-130.2	-0.2	-16.4	242.4
3615	0.0	C_SLU_STR_ENV	Combination	Max	93.3	-38.7	42.3	1.5	71.2	2895.6
3615	0.2	C_SLU_STR_ENV	Combination	Max	93.3	-37.5	42.3	1.5	83.6	2964.0
3615	0.0	C_SLU_STR_ENV	Combination	Min	-7.8	-513.4	-224.5	-1.1	-10.5	236.2
3615	0.2	C_SLU_STR_ENV	Combination	Min	-7.8	-512.3	-224.5	-1.1	-8.7	244.0
3616	0.0	C_SLU_STR_ENV	Combination	Max	63.4	-20.8	173.0	0.3	78.1	2962.8
3616	0.5	C_SLU_STR_ENV	Combination	Max	63.4	-17.7	173.0	0.3	42.9	3158.3
3616	0.9	C_SLU_STR_ENV	Combination	Max	63.4	-14.6	173.0	0.3	7.7	3352.4
3616	0.0	C_SLU_STR_ENV	Combination	Min	-87.0	-483.6	-12.8	-0.5	-7.6	244.2
3616	0.5	C_SLU_STR_ENV	Combination	Min	-87.0	-480.5	-12.8	-0.5	-43.2	266.2
3616	0.9	C_SLU_STR_ENV	Combination	Min	-87.0	-477.4	-12.8	-0.5	-80.5	286.8
3617	0.0	C_SLU_STR_ENV	Combination	Max	59.9	0.2	98.1	0.3	46.8	3324.8
3617	0.4	C_SLU_STR_ENV	Combination	Max	59.9	2.6	98.1	0.3	32.7	3457.0
3617	0.7	C_SLU_STR_ENV	Combination	Max	59.9	5.1	98.1	0.3	18.7	3588.4
3617	1.1	C_SLU_STR_ENV	Combination	Max	59.9	7.5	98.1	0.3	4.7	3718.9
3617	0.0	C_SLU_STR_ENV	Combination	Min	-28.1	-444.9	-17.6	-0.3	-15.2	280.0
3617	0.4	C_SLU_STR_ENV	Combination	Min	-28.1	-442.5	-17.6	-0.3	-30.2	295.5
3617	0.7	C_SLU_STR_ENV	Combination	Min	-28.1	-440.1	-17.6	-0.3	-45.3	310.2
3617	1.1	C_SLU_STR_ENV	Combination	Min	-28.1	-437.6	-17.6	-0.3	-60.3	324.0

3618	0.0	C_SLU_STR_ENV	Combination	Max	72.8	27.2	45.8	0.6	18.2	3709.3
3618	0.5	C_SLU_STR_ENV	Combination	Max	72.8	30.4	45.8	0.6	18.6	3858.4
3618	1.0	C_SLU_STR_ENV	Combination	Max	72.8	33.6	45.8	0.6	19.6	4006.0
3618	0.0	C_SLU_STR_ENV	Combination	Min	-3.8	-406.7	-58.0	-0.5	-38.6	317.5
3618	0.5	C_SLU_STR_ENV	Combination	Min	-3.8	-403.5	-58.0	-0.5	-33.8	333.8
3618	1.0	C_SLU_STR_ENV	Combination	Min	-3.8	-400.3	-58.0	-0.5	-29.0	348.6
3619	0.0	C_SLU_STR_ENV	Combination	Max	72.8	33.6	45.8	4.0	19.6	4005.3
3619	0.1	C_SLU_STR_ENV	Combination	Max	72.8	34.4	45.8	4.0	26.3	4048.2
3619	0.0	C_SLU_STR_ENV	Combination	Min	-3.8	-400.3	-58.0	-4.9	-29.0	344.7
3619	0.1	C_SLU_STR_ENV	Combination	Min	-3.8	-399.5	-58.0	-4.9	-34.3	347.9
3620	0.0	C_SLU_STR_ENV	Combination	Max	86.6	53.3	23.0	0.6	11.5	4054.2
3620	0.4	C_SLU_STR_ENV	Combination	Max	86.6	55.7	23.0	0.6	26.0	4148.0
3620	0.7	C_SLU_STR_ENV	Combination	Max	86.6	58.2	23.0	0.6	41.1	4240.9
3620	1.1	C_SLU_STR_ENV	Combination	Max	86.6	60.6	23.0	0.6	56.3	4332.9
3620	0.0	C_SLU_STR_ENV	Combination	Min	-5.2	-365.4	-113.1	-0.4	-68.0	340.7
3620	0.4	C_SLU_STR_ENV	Combination	Min	-5.2	-363.0	-113.1	-0.4	-51.2	350.3
3620	0.7	C_SLU_STR_ENV	Combination	Min	-5.2	-360.6	-113.1	-0.4	-34.4	359.1
3620	1.1	C_SLU_STR_ENV	Combination	Min	-5.2	-358.2	-113.1	-0.4	-17.8	367.0
3621	0.0	C_SLU_STR_ENV	Combination	Max	99.5	80.1	31.8	0.6	25.4	4345.4
3621	0.4	C_SLU_STR_ENV	Combination	Max	99.5	82.8	31.8	0.6	56.0	4417.1
3621	0.8	C_SLU_STR_ENV	Combination	Max	99.5	85.6	31.8	0.6	86.6	4487.7
3621	0.0	C_SLU_STR_ENV	Combination	Min	-13.8	-319.6	-187.3	-0.8	-70.2	361.2
3621	0.4	C_SLU_STR_ENV	Combination	Min	-13.8	-316.9	-187.3	-0.8	-41.7	369.5
3621	0.8	C_SLU_STR_ENV	Combination	Min	-13.8	-314.1	-187.3	-0.8	-16.6	376.7
3622	0.0	C_SLU_STR_ENV	Combination	Max	95.2	101.3	225.8	1.5	80.6	4487.9
3622	0.3	C_SLU_STR_ENV	Combination	Max	95.2	103.1	225.8	1.5	61.2	4541.3
3622	0.0	C_SLU_STR_ENV	Combination	Min	-105.5	-289.8	-30.8	-0.7	-16.1	376.7
3622	0.3	C_SLU_STR_ENV	Combination	Min	-105.5	-288.0	-30.8	-0.7	-19.9	381.2
3623	0.0	C_SLU_STR_ENV	Combination	Max	88.6	135.2	142.1	0.4	82.1	4515.4
3623	0.4	C_SLU_STR_ENV	Combination	Max	88.6	137.6	142.1	0.4	59.2	4547.5
3623	0.7	C_SLU_STR_ENV	Combination	Max	88.6	140.1	142.1	0.4	36.3	4578.7
3623	1.1	C_SLU_STR_ENV	Combination	Max	88.6	142.5	142.1	0.4	13.4	4609.0
3623	0.0	C_SLU_STR_ENV	Combination	Min	-55.3	-254.7	-17.1	-0.8	-11.9	377.6
3623	0.4	C_SLU_STR_ENV	Combination	Min	-55.3	-252.3	-17.1	-0.8	-31.3	383.5
3623	0.7	C_SLU_STR_ENV	Combination	Min	-55.3	-249.8	-17.1	-0.8	-53.0	388.6
3623	1.1	C_SLU_STR_ENV	Combination	Min	-55.3	-247.4	-17.1	-0.8	-74.7	392.8

3624	0.0	C_SLU_STR_ENV	Combination	Max	79.9	174.4	77.2	0.3	35.6	4589.0
3624	0.4	C_SLU_STR_ENV	Combination	Max	79.9	177.0	77.2	0.3	27.7	4600.3
3624	0.8	C_SLU_STR_ENV	Combination	Max	79.9	179.6	77.2	0.3	19.7	4610.6
3624	1.1	C_SLU_STR_ENV	Combination	Max	79.9	182.1	77.2	0.3	11.8	4619.9
3624	0.0	C_SLU_STR_ENV	Combination	Min	-12.0	-217.9	-29.4	-0.7	-25.7	389.1
3624	0.4	C_SLU_STR_ENV	Combination	Min	-12.0	-215.3	-29.4	-0.7	-35.6	392.6
3624	0.8	C_SLU_STR_ENV	Combination	Min	-12.0	-212.7	-29.4	-0.7	-45.6	395.1
3624	1.1	C_SLU_STR_ENV	Combination	Min	-12.0	-210.2	-29.4	-0.7	-55.5	396.6
3625	0.0	C_SLU_STR_ENV	Combination	Max	86.2	212.4	28.6	0.3	12.4	4627.4
3625	0.4	C_SLU_STR_ENV	Combination	Max	86.2	214.9	28.6	0.3	20.0	4616.7
3625	0.8	C_SLU_STR_ENV	Combination	Max	86.2	217.5	28.6	0.3	27.6	4605.0
3625	1.1	C_SLU_STR_ENV	Combination	Max	86.2	220.1	28.6	0.3	35.1	4592.4
3625	0.0	C_SLU_STR_ENV	Combination	Min	3.1	-180.4	-76.8	-0.6	-55.6	392.8
3625	0.4	C_SLU_STR_ENV	Combination	Min	3.1	-177.9	-76.8	-0.6	-45.5	391.5
3625	0.8	C_SLU_STR_ENV	Combination	Min	3.1	-175.3	-76.8	-0.6	-35.4	389.2
3625	1.1	C_SLU_STR_ENV	Combination	Min	3.1	-172.7	-76.8	-0.6	-25.3	385.9
3626	0.0	C_SLU_STR_ENV	Combination	Max	98.5	250.0	19.4	0.4	12.8	4624.0
3626	0.4	C_SLU_STR_ENV	Combination	Max	98.5	252.4	19.4	0.4	35.0	4590.4
3626	0.7	C_SLU_STR_ENV	Combination	Max	98.5	254.8	19.4	0.4	57.3	4555.9
3626	1.1	C_SLU_STR_ENV	Combination	Max	98.5	257.2	19.4	0.4	79.5	4520.5
3626	0.0	C_SLU_STR_ENV	Combination	Min	-5.8	-140.5	-141.5	-0.6	-75.2	382.3
3626	0.4	C_SLU_STR_ENV	Combination	Min	-5.8	-138.1	-141.5	-0.6	-53.4	378.3
3626	0.7	C_SLU_STR_ENV	Combination	Min	-5.8	-135.7	-141.5	-0.6	-31.5	373.4
3626	1.1	C_SLU_STR_ENV	Combination	Min	-5.8	-133.2	-141.5	-0.6	-12.1	367.7
3627	0.0	C_SLU_STR_ENV	Combination	Max	108.7	290.0	33.0	0.5	56.8	4552.8
3627	0.3	C_SLU_STR_ENV	Combination	Max	108.7	291.8	33.0	0.5	75.2	4498.1
3627	0.0	C_SLU_STR_ENV	Combination	Min	-1.8	-100.2	-222.5	-2.1	-25.1	366.2
3627	0.3	C_SLU_STR_ENV	Combination	Min	-1.8	-98.4	-222.5	-2.1	-15.7	361.9
3628	0.0	C_SLU_STR_ENV	Combination	Max	98.2	314.3	175.1	0.5	82.2	4498.8
3628	0.4	C_SLU_STR_ENV	Combination	Max	98.2	317.0	175.1	0.5	56.3	4423.3
3628	0.8	C_SLU_STR_ENV	Combination	Max	98.2	319.8	175.1	0.5	30.3	4346.7
3628	0.0	C_SLU_STR_ENV	Combination	Min	-79.3	-82.2	-31.9	-0.9	-16.4	361.9
3628	0.4	C_SLU_STR_ENV	Combination	Min	-79.3	-79.4	-31.9	-0.9	-39.8	355.3
3628	0.8	C_SLU_STR_ENV	Combination	Min	-79.3	-76.7	-31.9	-0.9	-65.9	347.6
3629	0.0	C_SLU_STR_ENV	Combination	Max	81.7	359.1	106.3	0.3	53.4	4347.2
3629	0.4	C_SLU_STR_ENV	Combination	Max	81.7	361.5	106.3	0.3	40.6	4252.3

3629	0.7	C_SLU_STR_ENV	Combination	Max	81.7	363.9	106.3	0.3	27.7	4156.4
3629	1.1	C_SLU_STR_ENV	Combination	Max	81.7	366.3	106.3	0.3	14.8	4059.7
3629	0.0	C_SLU_STR_ENV	Combination	Min	-33.0	-55.9	-25.6	-1.1	-20.5	349.6
3629	0.4	C_SLU_STR_ENV	Combination	Min	-33.0	-53.4	-25.6	-1.1	-35.3	342.3
3629	0.7	C_SLU_STR_ENV	Combination	Min	-33.0	-51.0	-25.6	-1.1	-50.0	334.3
3629	1.1	C_SLU_STR_ENV	Combination	Min	-33.0	-48.6	-25.6	-1.1	-64.8	325.3
3630	0.0	C_SLU_STR_ENV	Combination	Max	73.1	402.3	55.8	4.4	25.7	4071.1
3630	0.1	C_SLU_STR_ENV	Combination	Max	73.1	403.1	55.8	4.4	19.4	4027.7
3630	0.0	C_SLU_STR_ENV	Combination	Min	-6.1	-29.8	-48.7	-4.5	-35.4	327.5
3630	0.1	C_SLU_STR_ENV	Combination	Min	-6.1	-29.0	-48.7	-4.5	-29.7	324.3
3631	0.0	C_SLU_STR_ENV	Combination	Max	73.1	403.1	55.8	0.3	19.4	4030.3
3631	0.5	C_SLU_STR_ENV	Combination	Max	73.1	406.3	55.8	0.3	19.9	3878.5
3631	1.0	C_SLU_STR_ENV	Combination	Max	73.1	409.5	55.8	0.3	20.3	3725.1
3631	0.0	C_SLU_STR_ENV	Combination	Min	-6.1	-29.0	-48.7	-0.9	-29.7	329.8
3631	0.5	C_SLU_STR_ENV	Combination	Min	-6.1	-25.7	-48.7	-0.9	-33.4	315.5
3631	1.0	C_SLU_STR_ENV	Combination	Min	-6.1	-22.5	-48.7	-0.9	-37.0	299.7
3632	0.0	C_SLU_STR_ENV	Combination	Max	77.5	443.3	18.0	0.1	6.8	3755.2
3632	0.4	C_SLU_STR_ENV	Combination	Max	77.5	445.8	18.0	0.1	19.4	3621.2
3632	0.7	C_SLU_STR_ENV	Combination	Max	77.5	448.2	18.0	0.1	32.4	3486.4
3632	1.1	C_SLU_STR_ENV	Combination	Max	77.5	450.6	18.0	0.1	45.5	3350.8
3632	0.0	C_SLU_STR_ENV	Combination	Min	-1.8	-2.3	-95.6	-0.5	-59.0	301.8
3632	0.4	C_SLU_STR_ENV	Combination	Min	-1.8	0.1	-95.6	-0.5	-43.9	288.5
3632	0.7	C_SLU_STR_ENV	Combination	Min	-1.8	2.5	-95.6	-0.5	-28.8	274.4
3632	1.1	C_SLU_STR_ENV	Combination	Min	-1.8	5.0	-95.6	-0.5	-13.7	259.4
3633	0.0	C_SLU_STR_ENV	Combination	Max	77.5	485.3	14.4	0.2	8.3	3392.0
3633	0.5	C_SLU_STR_ENV	Combination	Max	77.5	488.4	14.4	0.2	40.1	3192.0
3633	0.9	C_SLU_STR_ENV	Combination	Max	77.5	491.4	14.4	0.2	71.9	2990.7
3633	0.0	C_SLU_STR_ENV	Combination	Min	-12.0	17.5	-163.6	-0.6	-78.2	261.7
3633	0.5	C_SLU_STR_ENV	Combination	Min	-12.0	20.6	-163.6	-0.6	-43.3	241.9
3633	0.9	C_SLU_STR_ENV	Combination	Min	-12.0	23.7	-163.6	-0.6	-8.5	220.8
3634	0.0	C_SLU_STR_ENV	Combination	Max	82.9	515.9	206.9	0.9	78.0	2991.9
3634	0.2	C_SLU_STR_ENV	Combination	Max	82.9	517.0	206.9	0.9	70.2	2921.7
3634	0.0	C_SLU_STR_ENV	Combination	Min	-99.8	40.1	-48.3	-1.2	-8.5	220.8
3634	0.2	C_SLU_STR_ENV	Combination	Min	-99.8	41.2	-48.3	-1.2	-8.1	213.3
3635	0.0	C_SLU_STR_ENV	Combination	Max	61.8	563.4	122.6	0.2	67.7	2939.2
3635	0.4	C_SLU_STR_ENV	Combination	Max	61.8	565.8	122.6	0.2	51.7	2746.2

3635	0.7	C_SLU_STR_ENV	Combination	Max	61.8	568.2	122.6	0.2	35.8	2552.4
3635	1.1	C_SLU_STR_ENV	Combination	Max	61.8	570.7	122.6	0.2	19.8	2357.7
3635	0.0	C_SLU_STR_ENV	Combination	Min	-65.0	40.6	-32.9	-0.7	-17.5	219.2
3635	0.4	C_SLU_STR_ENV	Combination	Min	-65.0	43.0	-32.9	-0.7	-33.0	203.2
3635	0.7	C_SLU_STR_ENV	Combination	Min	-65.0	45.4	-32.9	-0.7	-49.4	186.5
3635	1.1	C_SLU_STR_ENV	Combination	Min	-65.0	47.8	-32.9	-0.7	-65.7	168.8
3636	0.0	C_SLU_STR_ENV	Combination	Max	60.3	611.1	68.6	0.2	30.2	2360.2
3636	0.4	C_SLU_STR_ENV	Combination	Max	60.3	613.5	68.6	0.2	26.6	2145.7
3636	0.7	C_SLU_STR_ENV	Combination	Max	60.3	615.9	68.6	0.2	23.0	1930.3
3636	1.1	C_SLU_STR_ENV	Combination	Max	60.3	618.4	68.6	0.2	19.4	1714.0
3636	0.0	C_SLU_STR_ENV	Combination	Min	-26.3	47.3	-44.9	-0.6	-30.3	176.5
3636	0.4	C_SLU_STR_ENV	Combination	Min	-26.3	49.8	-44.9	-0.6	-35.3	158.2
3636	0.7	C_SLU_STR_ENV	Combination	Min	-26.3	52.2	-44.9	-0.6	-40.3	139.1
3636	1.1	C_SLU_STR_ENV	Combination	Min	-26.3	54.6	-44.9	-0.6	-45.4	119.1
3637	0.0	C_SLU_STR_ENV	Combination	Max	64.5	651.3	31.3	0.2	10.9	1725.3
3637	0.4	C_SLU_STR_ENV	Combination	Max	64.5	653.7	31.3	0.2	18.6	1494.8
3637	0.7	C_SLU_STR_ENV	Combination	Max	64.5	656.1	31.3	0.2	26.4	1263.6
3637	1.1	C_SLU_STR_ENV	Combination	Max	64.5	658.5	31.3	0.2	34.1	1031.4
3637	0.0	C_SLU_STR_ENV	Combination	Min	-11.2	54.5	-76.4	-0.5	-49.7	127.2
3637	0.4	C_SLU_STR_ENV	Combination	Min	-11.2	57.0	-76.4	-0.5	-41.2	106.3
3637	0.7	C_SLU_STR_ENV	Combination	Min	-11.2	59.4	-76.4	-0.5	-32.7	84.5
3637	1.1	C_SLU_STR_ENV	Combination	Min	-11.2	61.8	-76.4	-0.5	-24.2	61.8
3638	0.0	C_SLU_STR_ENV	Combination	Max	64.1	686.3	7.7	0.3	3.3	1048.8
3638	0.4	C_SLU_STR_ENV	Combination	Max	64.1	688.7	7.7	0.3	20.7	807.5
3638	0.7	C_SLU_STR_ENV	Combination	Max	64.1	691.2	7.7	0.3	38.2	565.4
3638	1.1	C_SLU_STR_ENV	Combination	Max	64.1	693.6	7.7	0.3	55.6	322.4
3638	0.0	C_SLU_STR_ENV	Combination	Min	-10.7	61.9	-112.8	-0.5	-66.4	70.8
3638	0.4	C_SLU_STR_ENV	Combination	Min	-10.7	64.3	-112.8	-0.5	-46.6	46.2
3638	0.7	C_SLU_STR_ENV	Combination	Min	-10.7	66.8	-112.8	-0.5	-26.8	20.7
3638	1.1	C_SLU_STR_ENV	Combination	Min	-10.7	69.2	-112.8	-0.5	-6.9	-5.6
3639	0.0	C_SLU_STR_ENV	Combination	Max	66.3	716.5	15.4	0.5	6.5	334.1
3639	0.5	C_SLU_STR_ENV	Combination	Max	66.3	719.8	15.4	0.5	35.5	13.0
3639	0.0	C_SLU_STR_ENV	Combination	Min	-16.5	70.3	-164.1	-0.7	-54.2	10.8
3639	0.5	C_SLU_STR_ENV	Combination	Min	-16.5	73.6	-164.1	-0.7	-13.2	-66.9
3640	0.0	C_SLU_STR_ENV	Combination	Max	87.1	-59.0	87.4	0.9	20.0	25.9
3640	0.5	C_SLU_STR_ENV	Combination	Max	87.1	-57.8	87.4	0.9	52.0	403.0

3640	0.0	C_SLU_STR_ENV	Combination	Min	-58.9	-865.9	-177.8	-0.3	-47.0	-122.2
3640	0.5	C_SLU_STR_ENV	Combination	Min	-58.9	-864.7	-177.8	-0.3	-36.6	-32.4
3641	0.0	C_SLU_STR_ENV	Combination	Max	66.7	-55.3	90.9	0.6	49.7	436.1
3641	0.4	C_SLU_STR_ENV	Combination	Max	66.7	-54.4	90.9	0.6	43.9	690.8
3641	0.7	C_SLU_STR_ENV	Combination	Max	66.7	-53.5	90.9	0.6	51.8	945.2
3641	1.1	C_SLU_STR_ENV	Combination	Max	66.7	-52.7	90.9	0.6	59.7	1199.2
3641	0.0	C_SLU_STR_ENV	Combination	Min	-95.2	-766.2	-104.2	-0.3	-53.5	-46.7
3641	0.4	C_SLU_STR_ENV	Combination	Min	-95.2	-765.3	-104.2	-0.3	-46.8	-22.0
3641	0.7	C_SLU_STR_ENV	Combination	Min	-95.2	-764.4	-104.2	-0.3	-40.1	2.3
3641	1.1	C_SLU_STR_ENV	Combination	Min	-95.2	-763.5	-104.2	-0.3	-48.5	26.3
3642	0.0	C_SLU_STR_ENV	Combination	Max	65.8	-14.4	104.7	0.5	58.0	1208.9
3642	0.4	C_SLU_STR_ENV	Combination	Max	65.8	-13.5	104.7	0.5	46.7	1414.9
3642	0.7	C_SLU_STR_ENV	Combination	Max	65.8	-12.7	104.7	0.5	44.5	1620.6
3642	1.1	C_SLU_STR_ENV	Combination	Max	65.8	-11.8	104.7	0.5	42.3	1826.0
3642	0.0	C_SLU_STR_ENV	Combination	Min	-119.2	-677.3	-70.2	-0.3	-34.2	27.8
3642	0.4	C_SLU_STR_ENV	Combination	Min	-119.2	-676.4	-70.2	-0.3	-37.1	50.8
3642	0.7	C_SLU_STR_ENV	Combination	Min	-119.2	-675.6	-70.2	-0.3	-40.0	73.5
3642	1.1	C_SLU_STR_ENV	Combination	Min	-119.2	-674.7	-70.2	-0.3	-55.3	95.9
3643	0.0	C_SLU_STR_ENV	Combination	Max	78.7	51.5	119.1	0.4	68.4	1810.2
3643	0.4	C_SLU_STR_ENV	Combination	Max	78.7	52.4	119.1	0.4	54.1	1974.7
3643	0.7	C_SLU_STR_ENV	Combination	Max	78.7	53.2	119.1	0.4	42.3	2139.0
3643	1.1	C_SLU_STR_ENV	Combination	Max	78.7	54.1	119.1	0.4	30.5	2303.0
3643	0.0	C_SLU_STR_ENV	Combination	Min	-108.8	-605.6	-52.3	-0.3	-29.9	98.6
3643	0.4	C_SLU_STR_ENV	Combination	Min	-108.8	-604.7	-52.3	-0.3	-33.8	120.0
3643	0.7	C_SLU_STR_ENV	Combination	Min	-108.8	-603.9	-52.3	-0.3	-43.9	141.1
3643	1.1	C_SLU_STR_ENV	Combination	Min	-108.8	-603.0	-52.3	-0.3	-61.4	161.9
3644	0.0	C_SLU_STR_ENV	Combination	Max	109.2	109.7	161.5	0.4	90.3	2266.6
3644	0.4	C_SLU_STR_ENV	Combination	Max	109.2	110.6	161.5	0.4	69.6	2405.2
3644	0.7	C_SLU_STR_ENV	Combination	Max	109.2	111.5	161.5	0.4	52.4	2543.5
3644	1.1	C_SLU_STR_ENV	Combination	Max	109.2	112.3	161.5	0.4	47.5	2681.5
3644	0.0	C_SLU_STR_ENV	Combination	Min	-69.1	-556.1	-88.9	-0.4	-48.7	166.1
3644	0.4	C_SLU_STR_ENV	Combination	Min	-69.1	-555.2	-88.9	-0.4	-52.2	185.7
3644	0.7	C_SLU_STR_ENV	Combination	Min	-69.1	-554.3	-88.9	-0.4	-65.1	204.1
3644	1.1	C_SLU_STR_ENV	Combination	Min	-69.1	-553.4	-88.9	-0.4	-84.3	221.7
3645	0.0	C_SLU_STR_ENV	Combination	Max	110.1	153.1	254.3	0.4	61.3	2669.1
3645	0.2	C_SLU_STR_ENV	Combination	Max	110.1	153.5	254.3	0.4	64.5	2713.5

3645	0.0	C_SLU_STR_ENV	Combination	Min	-39.4	-522.9	-184.3	-2.7	-40.8	219.7
3645	0.2	C_SLU_STR_ENV	Combination	Min	-39.4	-522.5	-184.3	-2.7	-47.2	226.8
3646	0.0	C_SLU_STR_ENV	Combination	Max	173.6	97.7	143.9	0.7	63.0	2714.1
3646	0.5	C_SLU_STR_ENV	Combination	Max	173.6	98.8	143.9	0.7	56.5	2905.8
3646	0.9	C_SLU_STR_ENV	Combination	Max	173.6	99.9	143.9	0.7	74.0	3097.0
3646	0.0	C_SLU_STR_ENV	Combination	Min	-139.2	-570.0	-150.7	-0.2	-64.6	227.3
3646	0.5	C_SLU_STR_ENV	Combination	Min	-139.2	-568.8	-150.7	-0.2	-57.2	242.9
3646	0.9	C_SLU_STR_ENV	Combination	Min	-139.2	-567.7	-150.7	-0.2	-72.0	258.0
3647	0.0	C_SLU_STR_ENV	Combination	Max	111.3	129.3	97.6	0.4	54.8	3129.6
3647	0.4	C_SLU_STR_ENV	Combination	Max	111.3	130.2	97.6	0.4	47.9	3249.4
3647	0.7	C_SLU_STR_ENV	Combination	Max	111.3	131.0	97.6	0.4	51.6	3369.0
3647	1.1	C_SLU_STR_ENV	Combination	Max	111.3	131.9	97.6	0.4	55.3	3488.2
3647	0.0	C_SLU_STR_ENV	Combination	Min	-118.9	-517.9	-86.3	-0.4	-38.9	249.9
3647	0.4	C_SLU_STR_ENV	Combination	Min	-118.9	-517.0	-86.3	-0.4	-38.7	260.1
3647	0.7	C_SLU_STR_ENV	Combination	Min	-118.9	-516.1	-86.3	-0.4	-41.3	270.0
3647	1.1	C_SLU_STR_ENV	Combination	Min	-118.9	-515.3	-86.3	-0.4	-51.2	279.6
3648	0.0	C_SLU_STR_ENV	Combination	Max	101.0	172.8	101.1	0.6	57.6	3488.7
3648	0.5	C_SLU_STR_ENV	Combination	Max	101.0	174.0	101.1	0.6	42.5	3600.7
3648	1.0	C_SLU_STR_ENV	Combination	Max	101.0	175.2	101.1	0.6	32.2	3712.1
3648	0.0	C_SLU_STR_ENV	Combination	Min	-94.9	-464.0	-59.5	-0.8	-29.2	272.8
3648	0.5	C_SLU_STR_ENV	Combination	Min	-94.9	-462.8	-59.5	-0.8	-29.8	283.4
3648	1.0	C_SLU_STR_ENV	Combination	Min	-94.9	-461.7	-59.5	-0.8	-41.4	293.5
3649	0.0	C_SLU_STR_ENV	Combination	Max	101.0	175.2	101.1	8.5	32.2	3711.5
3649	0.1	C_SLU_STR_ENV	Combination	Max	101.0	175.5	101.1	8.5	39.1	3753.0
3649	0.0	C_SLU_STR_ENV	Combination	Min	-94.9	-461.7	-59.5	-5.0	-41.4	289.7
3649	0.1	C_SLU_STR_ENV	Combination	Min	-94.9	-461.4	-59.5	-5.0	-53.5	292.1
3650	0.0	C_SLU_STR_ENV	Combination	Max	120.8	217.9	132.5	0.5	84.5	3722.1
3650	0.4	C_SLU_STR_ENV	Combination	Max	120.8	218.8	132.5	0.5	69.5	3782.7
3650	0.7	C_SLU_STR_ENV	Combination	Max	120.8	219.7	132.5	0.5	54.4	3843.0
3650	1.1	C_SLU_STR_ENV	Combination	Max	120.8	220.5	132.5	0.5	47.7	3902.9
3650	0.0	C_SLU_STR_ENV	Combination	Min	-59.0	-417.3	-92.4	-0.7	-53.8	285.0
3650	0.4	C_SLU_STR_ENV	Combination	Min	-59.0	-416.4	-92.4	-0.7	-50.2	291.2
3650	0.7	C_SLU_STR_ENV	Combination	Min	-59.0	-415.6	-92.4	-0.7	-50.5	297.1
3650	1.1	C_SLU_STR_ENV	Combination	Min	-59.0	-414.7	-92.4	-0.7	-62.5	302.6
3651	0.0	C_SLU_STR_ENV	Combination	Max	143.3	259.9	200.5	0.4	96.1	3858.2
3651	0.4	C_SLU_STR_ENV	Combination	Max	143.3	260.9	200.5	0.4	69.5	3897.3

3651	0.8	C_SLU_STR_ENV	Combination	Max	143.3	261.9	200.5	0.4	69.2	3935.9
3651	0.0	C_SLU_STR_ENV	Combination	Min	-29.5	-383.5	-161.8	-1.4	-70.9	298.9
3651	0.4	C_SLU_STR_ENV	Combination	Min	-29.5	-382.5	-161.8	-1.4	-59.8	303.9
3651	0.8	C_SLU_STR_ENV	Combination	Min	-29.5	-381.5	-161.8	-1.4	-69.5	308.5
3652	0.0	C_SLU_STR_ENV	Combination	Max	217.0	224.1	218.8	3.2	65.5	3937.2
3652	0.3	C_SLU_STR_ENV	Combination	Max	217.0	224.8	218.8	3.2	50.1	4003.1
3652	0.0	C_SLU_STR_ENV	Combination	Min	-141.0	-424.3	-228.4	-0.6	-68.6	308.7
3652	0.3	C_SLU_STR_ENV	Combination	Min	-141.0	-423.7	-228.4	-0.6	-61.1	310.4
3653	0.0	C_SLU_STR_ENV	Combination	Max	158.3	249.3	124.1	0.6	67.8	4021.4
3653	0.4	C_SLU_STR_ENV	Combination	Max	158.3	250.2	124.1	0.6	64.2	4065.8
3653	0.7	C_SLU_STR_ENV	Combination	Max	158.3	251.0	124.1	0.6	73.4	4109.8
3653	1.1	C_SLU_STR_ENV	Combination	Max	158.3	251.9	124.1	0.6	87.6	4153.6
3653	0.0	C_SLU_STR_ENV	Combination	Min	-115.2	-386.9	-147.2	-0.7	-72.2	307.4
3653	0.4	C_SLU_STR_ENV	Combination	Min	-115.2	-386.0	-147.2	-0.7	-61.7	308.8
3653	0.7	C_SLU_STR_ENV	Combination	Min	-115.2	-385.2	-147.2	-0.7	-61.7	309.8
3653	1.1	C_SLU_STR_ENV	Combination	Min	-115.2	-384.3	-147.2	-0.7	-67.8	310.6
3654	0.0	C_SLU_STR_ENV	Combination	Max	120.6	284.8	85.0	0.5	54.5	4180.8
3654	0.4	C_SLU_STR_ENV	Combination	Max	120.6	285.7	85.0	0.5	52.8	4198.1
3654	0.8	C_SLU_STR_ENV	Combination	Max	120.6	286.6	85.0	0.5	59.6	4214.9
3654	1.1	C_SLU_STR_ENV	Combination	Max	120.6	287.5	85.0	0.5	66.4	4231.5
3654	0.0	C_SLU_STR_ENV	Combination	Min	-97.4	-336.9	-88.8	-0.7	-39.2	309.1
3654	0.4	C_SLU_STR_ENV	Combination	Min	-97.4	-335.9	-88.8	-0.7	-36.6	308.7
3654	0.8	C_SLU_STR_ENV	Combination	Min	-97.4	-335.0	-88.8	-0.7	-39.1	308.0
3654	1.1	C_SLU_STR_ENV	Combination	Min	-97.4	-334.1	-88.8	-0.7	-44.3	306.9
3655	0.0	C_SLU_STR_ENV	Combination	Max	115.7	332.9	98.5	0.4	66.9	4223.9
3655	0.4	C_SLU_STR_ENV	Combination	Max	115.7	333.8	98.5	0.4	59.8	4208.3
3655	0.8	C_SLU_STR_ENV	Combination	Max	115.7	334.8	98.5	0.4	53.5	4192.2
3655	1.1	C_SLU_STR_ENV	Combination	Max	115.7	335.7	98.5	0.4	47.1	4175.9
3655	0.0	C_SLU_STR_ENV	Combination	Min	-75.3	-287.8	-72.3	-0.9	-45.0	307.8
3655	0.4	C_SLU_STR_ENV	Combination	Min	-75.3	-286.9	-72.3	-0.9	-39.5	304.9
3655	0.8	C_SLU_STR_ENV	Combination	Min	-75.3	-286.0	-72.3	-0.9	-36.1	301.6
3655	1.1	C_SLU_STR_ENV	Combination	Min	-75.3	-285.1	-72.3	-0.9	-47.8	298.0
3656	0.0	C_SLU_STR_ENV	Combination	Max	135.2	382.4	146.7	0.4	87.6	4136.9
3656	0.4	C_SLU_STR_ENV	Combination	Max	135.2	383.3	146.7	0.4	73.8	4096.3
3656	0.7	C_SLU_STR_ENV	Combination	Max	135.2	384.2	146.7	0.4	64.8	4055.5
3656	1.1	C_SLU_STR_ENV	Combination	Max	135.2	385.0	146.7	0.4	68.8	4014.3

3656	0.0	C_SLU_STR_ENV	Combination	Min	-38.2	-252.6	-126.2	-1.0	-68.9	299.8
3656	0.4	C_SLU_STR_ENV	Combination	Min	-38.2	-251.7	-126.2	-1.0	-62.4	295.5
3656	0.7	C_SLU_STR_ENV	Combination	Min	-38.2	-250.8	-126.2	-1.0	-61.8	290.9
3656	1.1	C_SLU_STR_ENV	Combination	Min	-38.2	-250.0	-126.2	-1.0	-72.0	285.9
3657	0.0	C_SLU_STR_ENV	Combination	Max	140.4	422.6	228.2	0.5	47.6	3989.5
3657	0.3	C_SLU_STR_ENV	Combination	Max	140.4	423.2	228.2	0.5	62.4	3927.5
3657	0.0	C_SLU_STR_ENV	Combination	Min	-28.4	-227.0	-218.5	-3.7	-64.4	288.1
3657	0.3	C_SLU_STR_ENV	Combination	Min	-28.4	-226.3	-218.5	-3.7	-68.6	283.9
3658	0.0	C_SLU_STR_ENV	Combination	Max	206.1	381.9	159.5	0.9	69.3	3928.7
3658	0.4	C_SLU_STR_ENV	Combination	Max	206.1	382.9	159.5	0.9	69.5	3894.9
3658	0.8	C_SLU_STR_ENV	Combination	Max	206.1	383.9	159.5	0.9	96.6	3860.7
3658	0.0	C_SLU_STR_ENV	Combination	Min	-123.6	-263.8	-200.2	-0.6	-68.6	284.0
3658	0.4	C_SLU_STR_ENV	Combination	Min	-123.6	-262.8	-200.2	-0.6	-58.0	276.2
3658	0.8	C_SLU_STR_ENV	Combination	Min	-123.6	-261.8	-200.2	-0.6	-67.2	267.9
3659	0.0	C_SLU_STR_ENV	Combination	Max	140.8	414.6	88.9	0.4	45.8	3893.0
3659	0.4	C_SLU_STR_ENV	Combination	Max	140.8	415.5	88.9	0.4	53.2	3836.1
3659	0.7	C_SLU_STR_ENV	Combination	Max	140.8	416.4	88.9	0.4	69.0	3779.0
3659	1.1	C_SLU_STR_ENV	Combination	Max	140.8	417.3	88.9	0.4	84.8	3721.6
3659	0.0	C_SLU_STR_ENV	Combination	Min	-110.8	-224.0	-133.6	-1.0	-61.2	269.8
3659	0.4	C_SLU_STR_ENV	Combination	Min	-110.8	-223.1	-133.6	-1.0	-50.6	261.6
3659	0.7	C_SLU_STR_ENV	Combination	Min	-110.8	-222.3	-133.6	-1.0	-49.5	253.2
3659	1.1	C_SLU_STR_ENV	Combination	Min	-110.8	-221.4	-133.6	-1.0	-52.2	244.5
3660	0.0	C_SLU_STR_ENV	Combination	Max	107.1	459.0	67.6	5.5	41.8	3734.3
3660	0.1	C_SLU_STR_ENV	Combination	Max	107.1	459.3	67.6	5.5	33.7	3693.2
3660	0.0	C_SLU_STR_ENV	Combination	Min	-99.7	-179.7	-89.3	-7.7	-45.5	247.8
3660	0.1	C_SLU_STR_ENV	Combination	Min	-99.7	-179.4	-89.3	-7.7	-34.9	244.7
3661	0.0	C_SLU_STR_ENV	Combination	Max	107.1	459.3	67.6	0.6	33.7	3692.9
3661	0.5	C_SLU_STR_ENV	Combination	Max	107.1	460.5	67.6	0.6	42.3	3586.6
3661	1.0	C_SLU_STR_ENV	Combination	Max	107.1	461.6	67.6	0.6	54.0	3479.8
3661	0.0	C_SLU_STR_ENV	Combination	Min	-99.7	-179.4	-89.3	-0.9	-34.9	248.7
3661	0.5	C_SLU_STR_ENV	Combination	Min	-99.7	-178.2	-89.3	-0.9	-29.7	235.8
3661	1.0	C_SLU_STR_ENV	Combination	Min	-99.7	-177.1	-89.3	-0.9	-31.9	222.3
3662	0.0	C_SLU_STR_ENV	Combination	Max	111.6	509.8	86.2	0.2	54.1	3457.5
3662	0.4	C_SLU_STR_ENV	Combination	Max	111.6	510.7	86.2	0.2	51.5	3342.6
3662	0.7	C_SLU_STR_ENV	Combination	Max	111.6	511.6	86.2	0.2	48.9	3227.4
3662	1.1	C_SLU_STR_ENV	Combination	Max	111.6	512.4	86.2	0.2	46.8	3111.9

3662	0.0	C_SLU_STR_ENV	Combination	Min	-76.9	-136.9	-90.5	-0.6	-51.6	225.7
3662	0.4	C_SLU_STR_ENV	Combination	Min	-76.9	-136.0	-90.5	-0.6	-42.1	214.9
3662	0.7	C_SLU_STR_ENV	Combination	Min	-76.9	-135.1	-90.5	-0.6	-38.2	203.7
3662	1.1	C_SLU_STR_ENV	Combination	Min	-76.9	-134.2	-90.5	-0.6	-41.0	192.3
3663	0.0	C_SLU_STR_ENV	Combination	Max	133.3	560.7	149.3	0.1	73.2	3064.6
3663	0.5	C_SLU_STR_ENV	Combination	Max	133.3	561.8	149.3	0.1	56.3	2881.3
3663	0.9	C_SLU_STR_ENV	Combination	Max	133.3	562.9	149.3	0.1	62.7	2697.4
3663	0.0	C_SLU_STR_ENV	Combination	Min	-50.8	-107.0	-145.8	-1.0	-74.6	196.2
3663	0.5	C_SLU_STR_ENV	Combination	Min	-50.8	-105.9	-145.8	-1.0	-58.4	180.8
3663	0.9	C_SLU_STR_ENV	Combination	Min	-50.8	-104.8	-145.8	-1.0	-64.1	164.8
3664	0.0	C_SLU_STR_ENV	Combination	Max	221.5	519.3	180.6	2.4	68.1	2698.9
3664	0.2	C_SLU_STR_ENV	Combination	Max	221.5	519.7	180.6	2.4	66.9	2659.9
3664	0.0	C_SLU_STR_ENV	Combination	Min	-156.5	-161.8	-254.3	-0.6	-45.9	164.9
3664	0.2	C_SLU_STR_ENV	Combination	Min	-156.5	-161.4	-254.3	-0.6	-39.9	158.6
3665	0.0	C_SLU_STR_ENV	Combination	Max	158.0	549.2	85.2	0.3	45.6	2661.8
3665	0.4	C_SLU_STR_ENV	Combination	Max	158.0	550.1	85.2	0.3	51.5	2531.3
3665	0.7	C_SLU_STR_ENV	Combination	Max	158.0	551.0	85.2	0.3	69.6	2400.5
3665	1.1	C_SLU_STR_ENV	Combination	Max	158.0	551.9	85.2	0.3	91.0	2269.3
3665	0.0	C_SLU_STR_ENV	Combination	Min	-130.5	-125.1	-162.6	-0.6	-85.0	161.2
3665	0.4	C_SLU_STR_ENV	Combination	Min	-130.5	-124.2	-162.6	-0.6	-65.0	146.9
3665	0.7	C_SLU_STR_ENV	Combination	Min	-130.5	-123.4	-162.6	-0.6	-51.3	132.2
3665	1.1	C_SLU_STR_ENV	Combination	Min	-130.5	-122.5	-162.6	-0.6	-46.6	117.3
3666	0.0	C_SLU_STR_ENV	Combination	Max	98.6	595.2	55.9	0.2	32.8	2285.1
3666	0.4	C_SLU_STR_ENV	Combination	Max	98.6	596.0	55.9	0.2	41.5	2127.4
3666	0.7	C_SLU_STR_ENV	Combination	Max	98.6	596.9	55.9	0.2	54.4	1969.3
3666	1.1	C_SLU_STR_ENV	Combination	Max	98.6	597.8	55.9	0.2	67.3	1810.9
3666	0.0	C_SLU_STR_ENV	Combination	Min	-112.2	-69.2	-112.5	-0.6	-56.4	119.3
3666	0.4	C_SLU_STR_ENV	Combination	Min	-112.2	-68.3	-112.5	-0.6	-44.8	103.8
3666	0.7	C_SLU_STR_ENV	Combination	Min	-112.2	-67.4	-112.5	-0.6	-33.2	87.9
3666	1.1	C_SLU_STR_ENV	Combination	Min	-112.2	-66.6	-112.5	-0.6	-28.0	71.8
3667	0.0	C_SLU_STR_ENV	Combination	Max	74.2	660.8	70.4	0.2	41.0	1801.7
3667	0.4	C_SLU_STR_ENV	Combination	Max	74.2	661.7	70.4	0.2	43.8	1603.0
3667	0.7	C_SLU_STR_ENV	Combination	Max	74.2	662.6	70.4	0.2	47.4	1403.9
3667	1.1	C_SLU_STR_ENV	Combination	Max	74.2	663.5	70.4	0.2	51.1	1204.4
3667	0.0	C_SLU_STR_ENV	Combination	Min	-93.2	-1.2	-88.9	-0.6	-45.4	74.4
3667	0.4	C_SLU_STR_ENV	Combination	Min	-93.2	-0.3	-88.9	-0.6	-40.9	57.8

3667	0.7	C_SLU_STR_ENV	Combination	Min	-93.2	0.5	-88.9	-0.6	-36.5	40.9
3667	1.1	C_SLU_STR_ENV	Combination	Min	-93.2	1.4	-88.9	-0.6	-35.3	23.7
3668	0.0	C_SLU_STR_ENV	Combination	Max	51.8	745.3	101.8	0.3	58.6	1174.8
3668	0.4	C_SLU_STR_ENV	Combination	Max	51.8	746.2	101.8	0.3	52.1	927.6
3668	0.7	C_SLU_STR_ENV	Combination	Max	51.8	747.0	101.8	0.3	45.6	680.1
3668	1.1	C_SLU_STR_ENV	Combination	Max	51.8	747.9	101.8	0.3	43.5	432.3
3668	0.0	C_SLU_STR_ENV	Combination	Min	-64.7	38.1	-81.5	-0.7	-44.6	24.0
3668	0.4	C_SLU_STR_ENV	Combination	Min	-64.7	38.9	-81.5	-0.7	-41.6	2.0
3668	0.7	C_SLU_STR_ENV	Combination	Min	-64.7	39.8	-81.5	-0.7	-46.6	-20.2
3668	1.1	C_SLU_STR_ENV	Combination	Min	-64.7	40.7	-81.5	-0.7	-51.6	-42.7
3669	0.0	C_SLU_STR_ENV	Combination	Max	33.6	847.0	175.4	0.3	50.9	390.4
3669	0.5	C_SLU_STR_ENV	Combination	Max	33.6	848.2	175.4	0.3	20.4	27.2
3669	0.0	C_SLU_STR_ENV	Combination	Min	-60.9	45.5	-94.1	-0.9	-38.4	-27.4
3669	0.5	C_SLU_STR_ENV	Combination	Min	-60.9	46.6	-94.1	-0.9	-45.9	-115.1
3670	0.0	C_SLU_STR_ENV	Combination	Max	3.2	-8.2	83.2	0.6	14.4	35.0
3670	0.5	C_SLU_STR_ENV	Combination	Max	3.2	-7.0	83.2	0.6	1.0	258.6
3670	0.0	C_SLU_STR_ENV	Combination	Min	-40.1	-521.3	-6.0	-0.3	-17.2	-46.7
3670	0.5	C_SLU_STR_ENV	Combination	Min	-40.1	-520.1	-6.0	-0.3	-38.3	-14.1
3671	0.0	C_SLU_STR_ENV	Combination	Max	18.9	-4.6	53.0	0.5	27.8	279.3
3671	0.4	C_SLU_STR_ENV	Combination	Max	18.9	-3.7	53.0	0.5	18.3	438.6
3671	0.7	C_SLU_STR_ENV	Combination	Max	18.9	-2.8	53.0	0.5	10.4	597.5
3671	1.1	C_SLU_STR_ENV	Combination	Max	18.9	-1.9	53.0	0.5	3.2	756.2
3671	0.0	C_SLU_STR_ENV	Combination	Min	-53.4	-473.1	-4.2	-0.3	-1.6	-19.1
3671	0.4	C_SLU_STR_ENV	Combination	Min	-53.4	-472.2	-4.2	-0.3	-9.7	-14.8
3671	0.7	C_SLU_STR_ENV	Combination	Min	-53.4	-471.3	-4.2	-0.3	-19.1	-10.9
3671	1.1	C_SLU_STR_ENV	Combination	Min	-53.4	-470.5	-4.2	-0.3	-29.4	-7.2
3672	0.0	C_SLU_STR_ENV	Combination	Max	34.6	17.8	41.1	0.5	24.4	767.9
3672	0.4	C_SLU_STR_ENV	Combination	Max	34.6	18.6	41.1	0.5	18.2	905.8
3672	0.7	C_SLU_STR_ENV	Combination	Max	34.6	19.5	41.1	0.5	11.9	1043.4
3672	1.1	C_SLU_STR_ENV	Combination	Max	34.6	20.4	41.1	0.5	5.7	1180.7
3672	0.0	C_SLU_STR_ENV	Combination	Min	-76.7	-430.9	-8.1	-0.2	-3.7	-6.9
3672	0.4	C_SLU_STR_ENV	Combination	Min	-76.7	-430.0	-8.1	-0.2	-9.8	-2.9
3672	0.7	C_SLU_STR_ENV	Combination	Min	-76.7	-429.2	-8.1	-0.2	-16.1	0.8
3672	1.1	C_SLU_STR_ENV	Combination	Min	-76.7	-428.3	-8.1	-0.2	-22.4	4.2
3673	0.0	C_SLU_STR_ENV	Combination	Max	49.9	47.5	52.7	0.5	32.0	1187.1
3673	0.4	C_SLU_STR_ENV	Combination	Max	49.9	48.4	52.7	0.5	23.7	1304.7

3673	0.7	C_SLU_STR_ENV	Combination	Max	49.9	49.2	52.7	0.5	15.5	1422.0
3673	1.1	C_SLU_STR_ENV	Combination	Max	49.9	50.1	52.7	0.5	9.8	1539.0
3673	0.0	C_SLU_STR_ENV	Combination	Min	-100.0	-394.2	-17.9	-0.3	-9.9	5.8
3673	0.4	C_SLU_STR_ENV	Combination	Min	-100.0	-393.3	-17.9	-0.3	-14.2	9.4
3673	0.7	C_SLU_STR_ENV	Combination	Min	-100.0	-392.4	-17.9	-0.3	-19.8	12.8
3673	1.1	C_SLU_STR_ENV	Combination	Min	-100.0	-391.5	-17.9	-0.3	-25.3	15.8
3674	0.0	C_SLU_STR_ENV	Combination	Max	64.6	70.4	83.8	0.4	46.6	1539.9
3674	0.4	C_SLU_STR_ENV	Combination	Max	64.6	71.3	83.8	0.4	37.0	1640.6
3674	0.7	C_SLU_STR_ENV	Combination	Max	64.6	72.1	83.8	0.4	27.5	1741.0
3674	1.1	C_SLU_STR_ENV	Combination	Max	64.6	73.0	83.8	0.4	24.1	1841.0
3674	0.0	C_SLU_STR_ENV	Combination	Min	-129.3	-363.1	-38.9	-0.3	-18.3	18.5
3674	0.4	C_SLU_STR_ENV	Combination	Min	-129.3	-362.3	-38.9	-0.3	-25.8	21.9
3674	0.7	C_SLU_STR_ENV	Combination	Min	-129.3	-361.4	-38.9	-0.3	-35.3	25.0
3674	1.1	C_SLU_STR_ENV	Combination	Min	-129.3	-360.5	-38.9	-0.3	-44.7	27.7
3675	0.0	C_SLU_STR_ENV	Combination	Max	77.0	86.4	148.7	1.7	40.9	1841.0
3675	0.2	C_SLU_STR_ENV	Combination	Max	77.0	86.8	148.7	1.7	43.2	1874.8
3675	0.0	C_SLU_STR_ENV	Combination	Min	-156.8	-339.4	-78.8	-0.6	-17.3	29.5
3675	0.2	C_SLU_STR_ENV	Combination	Min	-156.8	-339.0	-78.8	-0.6	-35.1	30.9
3676	0.0	C_SLU_STR_ENV	Combination	Max	78.9	59.3	61.4	0.4	26.0	1874.1
3676	0.5	C_SLU_STR_ENV	Combination	Max	78.9	60.4	61.4	0.4	30.7	1978.9
3676	0.9	C_SLU_STR_ENV	Combination	Max	78.9	61.5	61.4	0.4	39.3	2083.3
3676	0.0	C_SLU_STR_ENV	Combination	Min	-84.9	-337.9	-80.9	-0.4	-36.8	31.0
3676	0.5	C_SLU_STR_ENV	Combination	Min	-84.9	-336.8	-80.9	-0.4	-31.8	33.8
3676	0.9	C_SLU_STR_ENV	Combination	Min	-84.9	-335.7	-80.9	-0.4	-30.5	36.1
3677	0.0	C_SLU_STR_ENV	Combination	Max	75.5	73.6	35.6	0.4	20.8	2087.4
3677	0.4	C_SLU_STR_ENV	Combination	Max	75.5	74.5	35.6	0.4	20.4	2159.6
3677	0.7	C_SLU_STR_ENV	Combination	Max	75.5	75.3	35.6	0.4	23.9	2231.5
3677	1.1	C_SLU_STR_ENV	Combination	Max	75.5	76.2	35.6	0.4	27.5	2303.0
3677	0.0	C_SLU_STR_ENV	Combination	Min	-78.1	-313.4	-41.8	-0.3	-18.2	34.8
3677	0.4	C_SLU_STR_ENV	Combination	Min	-78.1	-312.5	-41.8	-0.3	-18.1	36.9
3677	0.7	C_SLU_STR_ENV	Combination	Min	-78.1	-311.6	-41.8	-0.3	-17.9	38.7
3677	1.1	C_SLU_STR_ENV	Combination	Min	-78.1	-310.8	-41.8	-0.3	-18.4	40.2
3678	0.0	C_SLU_STR_ENV	Combination	Max	78.1	92.2	31.8	0.4	22.0	2305.2
3678	0.5	C_SLU_STR_ENV	Combination	Max	78.1	93.4	31.8	0.4	17.4	2384.5
3678	1.0	C_SLU_STR_ENV	Combination	Max	78.1	94.5	31.8	0.4	14.0	2463.3
3678	0.0	C_SLU_STR_ENV	Combination	Min	-86.6	-286.4	-20.4	-0.4	-9.5	40.2

3678	0.5	C_SLU_STR_ENV	Combination	Min	-86.6	-285.2	-20.4	-0.4	-10.6	42.8
3678	1.0	C_SLU_STR_ENV	Combination	Min	-86.6	-284.1	-20.4	-0.4	-11.7	44.8
3679	0.0	C_SLU_STR_ENV	Combination	Max	78.1	94.5	31.8	2.8	14.0	2466.6
3679	0.1	C_SLU_STR_ENV	Combination	Max	78.1	94.8	31.8	2.8	16.3	2493.4
3679	0.0	C_SLU_STR_ENV	Combination	Min	-86.6	-284.1	-20.4	-1.8	-11.7	45.6
3679	0.1	C_SLU_STR_ENV	Combination	Min	-86.6	-283.8	-20.4	-1.8	-14.9	46.0
3680	0.0	C_SLU_STR_ENV	Combination	Max	86.3	111.1	64.5	0.6	41.5	2491.8
3680	0.4	C_SLU_STR_ENV	Combination	Max	86.3	112.0	64.5	0.6	34.2	2542.0
3680	0.7	C_SLU_STR_ENV	Combination	Max	86.3	112.9	64.5	0.6	26.8	2591.9
3680	1.1	C_SLU_STR_ENV	Combination	Max	86.3	113.7	64.5	0.6	25.9	2641.5
3680	0.0	C_SLU_STR_ENV	Combination	Min	-105.0	-259.8	-40.1	-0.7	-19.0	48.3
3680	0.4	C_SLU_STR_ENV	Combination	Min	-105.0	-258.9	-40.1	-0.7	-22.7	50.0
3680	0.7	C_SLU_STR_ENV	Combination	Min	-105.0	-258.0	-40.1	-0.7	-26.5	51.4
3680	1.1	C_SLU_STR_ENV	Combination	Min	-105.0	-257.2	-40.1	-0.7	-30.4	52.5
3681	0.0	C_SLU_STR_ENV	Combination	Max	97.2	129.7	114.5	0.9	49.7	2640.0
3681	0.4	C_SLU_STR_ENV	Combination	Max	97.2	130.7	114.5	0.9	37.3	2677.5
3681	0.8	C_SLU_STR_ENV	Combination	Max	97.2	131.7	114.5	0.9	34.4	2714.6
3681	0.0	C_SLU_STR_ENV	Combination	Min	-134.8	-237.2	-67.7	-0.5	-23.7	56.1
3681	0.4	C_SLU_STR_ENV	Combination	Min	-134.8	-236.3	-67.7	-0.5	-36.4	57.7
3681	0.8	C_SLU_STR_ENV	Combination	Min	-134.8	-235.3	-67.7	-0.5	-49.2	58.8
3682	0.0	C_SLU_STR_ENV	Combination	Max	107.9	129.4	79.4	1.1	26.1	2713.6
3682	0.3	C_SLU_STR_ENV	Combination	Max	107.9	130.0	79.4	1.1	21.0	2743.0
3682	0.0	C_SLU_STR_ENV	Combination	Min	-71.1	-236.3	-155.4	-2.7	-48.8	58.9
3682	0.3	C_SLU_STR_ENV	Combination	Min	-71.1	-235.7	-155.4	-2.7	-16.6	59.2
3683	0.0	C_SLU_STR_ENV	Combination	Max	97.2	145.5	45.6	0.5	30.5	2740.3
3683	0.4	C_SLU_STR_ENV	Combination	Max	97.2	146.4	45.6	0.5	32.6	2756.0
3683	0.7	C_SLU_STR_ENV	Combination	Max	97.2	147.3	45.6	0.5	42.3	2771.3
3683	1.1	C_SLU_STR_ENV	Combination	Max	97.2	148.1	45.6	0.5	52.0	2786.3
3683	0.0	C_SLU_STR_ENV	Combination	Min	-64.3	-218.9	-91.0	-0.6	-48.3	58.3
3683	0.4	C_SLU_STR_ENV	Combination	Min	-64.3	-218.0	-91.0	-0.6	-38.9	59.0
3683	0.7	C_SLU_STR_ENV	Combination	Min	-64.3	-217.1	-91.0	-0.6	-29.5	59.5
3683	1.1	C_SLU_STR_ENV	Combination	Min	-64.3	-216.2	-91.0	-0.6	-20.1	59.5
3684	0.0	C_SLU_STR_ENV	Combination	Max	85.8	167.0	22.6	0.4	16.9	2785.5
3684	0.4	C_SLU_STR_ENV	Combination	Max	85.8	168.0	22.6	0.4	20.8	2791.2
3684	0.8	C_SLU_STR_ENV	Combination	Max	85.8	168.9	22.6	0.4	28.1	2796.4
3684	1.1	C_SLU_STR_ENV	Combination	Max	85.8	169.8	22.6	0.4	36.1	2801.3

3684	0.0	C_SLU_STR_ENV	Combination	Min	-64.7	-195.1	-47.7	-0.6	-21.4	57.4
3684	0.4	C_SLU_STR_ENV	Combination	Min	-64.7	-194.2	-47.7	-0.6	-18.3	57.8
3684	0.8	C_SLU_STR_ENV	Combination	Min	-64.7	-193.3	-47.7	-0.6	-15.1	57.9
3684	1.1	C_SLU_STR_ENV	Combination	Min	-64.7	-192.3	-47.7	-0.6	-12.0	57.7
3685	0.0	C_SLU_STR_ENV	Combination	Max	82.0	192.1	32.3	0.4	26.7	2802.0
3685	0.4	C_SLU_STR_ENV	Combination	Max	82.0	193.0	32.3	0.4	24.9	2797.3
3685	0.8	C_SLU_STR_ENV	Combination	Max	82.0	193.9	32.3	0.4	23.8	2792.2
3685	1.1	C_SLU_STR_ENV	Combination	Max	82.0	194.8	32.3	0.4	26.1	2786.8
3685	0.0	C_SLU_STR_ENV	Combination	Min	-81.9	-169.6	-38.0	-0.7	-20.3	57.8
3685	0.4	C_SLU_STR_ENV	Combination	Min	-81.9	-168.6	-38.0	-0.7	-17.7	57.4
3685	0.8	C_SLU_STR_ENV	Combination	Min	-81.9	-167.7	-38.0	-0.7	-15.1	56.6
3685	1.1	C_SLU_STR_ENV	Combination	Min	-81.9	-166.8	-38.0	-0.7	-12.5	55.5
3686	0.0	C_SLU_STR_ENV	Combination	Max	85.1	215.8	73.9	0.4	42.1	2788.7
3686	0.4	C_SLU_STR_ENV	Combination	Max	85.1	216.7	73.9	0.4	38.5	2773.0
3686	0.7	C_SLU_STR_ENV	Combination	Max	85.1	217.6	73.9	0.4	35.0	2756.9
3686	1.1	C_SLU_STR_ENV	Combination	Max	85.1	218.4	73.9	0.4	39.0	2740.5
3686	0.0	C_SLU_STR_ENV	Combination	Min	-114.3	-147.0	-61.0	-0.8	-28.1	58.3
3686	0.4	C_SLU_STR_ENV	Combination	Min	-114.3	-146.1	-61.0	-0.8	-31.9	57.6
3686	0.7	C_SLU_STR_ENV	Combination	Min	-114.3	-145.3	-61.0	-0.8	-35.7	56.5
3686	1.1	C_SLU_STR_ENV	Combination	Min	-114.3	-144.4	-61.0	-0.8	-39.6	55.1
3687	0.0	C_SLU_STR_ENV	Combination	Max	88.1	235.3	139.2	2.3	13.6	2743.8
3687	0.3	C_SLU_STR_ENV	Combination	Max	88.1	235.9	139.2	2.3	23.0	2713.5
3687	0.0	C_SLU_STR_ENV	Combination	Min	-146.4	-128.5	-95.1	-1.2	-26.6	56.6
3687	0.3	C_SLU_STR_ENV	Combination	Min	-146.4	-127.9	-95.1	-1.2	-53.8	55.8
3688	0.0	C_SLU_STR_ENV	Combination	Max	90.1	236.8	52.2	0.3	29.1	2712.4
3688	0.4	C_SLU_STR_ENV	Combination	Max	90.1	237.8	52.2	0.3	39.9	2673.4
3688	0.8	C_SLU_STR_ENV	Combination	Max	90.1	238.8	52.2	0.3	59.5	2634.0
3688	0.0	C_SLU_STR_ENV	Combination	Min	-72.9	-131.8	-130.4	-1.2	-53.2	55.9
3688	0.4	C_SLU_STR_ENV	Combination	Min	-72.9	-130.9	-130.4	-1.2	-35.0	54.0
3688	0.8	C_SLU_STR_ENV	Combination	Min	-72.9	-129.9	-130.4	-1.2	-16.8	51.6
3689	0.0	C_SLU_STR_ENV	Combination	Max	79.0	257.6	25.3	0.4	17.6	2632.8
3689	0.4	C_SLU_STR_ENV	Combination	Max	79.0	258.5	25.3	0.4	24.4	2582.6
3689	0.7	C_SLU_STR_ENV	Combination	Max	79.0	259.4	25.3	0.4	37.2	2532.1
3689	1.1	C_SLU_STR_ENV	Combination	Max	79.0	260.3	25.3	0.4	50.0	2481.4
3689	0.0	C_SLU_STR_ENV	Combination	Min	-64.4	-114.0	-79.5	-0.8	-38.1	47.7
3689	0.4	C_SLU_STR_ENV	Combination	Min	-64.4	-113.1	-79.5	-0.8	-29.3	46.0

3689	0.7	C_SLU_STR_ENV	Combination	Min	-64.4	-112.2	-79.5	-0.8	-20.4	43.9
3689	1.1	C_SLU_STR_ENV	Combination	Min	-64.4	-111.3	-79.5	-0.8	-11.6	41.6
3690	0.0	C_SLU_STR_ENV	Combination	Max	70.7	282.7	8.1	0.7	8.0	2478.3
3690	0.1	C_SLU_STR_ENV	Combination	Max	70.7	283.0	8.1	0.7	7.4	2451.8
3690	0.0	C_SLU_STR_ENV	Combination	Min	-76.5	-93.6	-45.7	-4.1	-22.9	38.1
3690	0.1	C_SLU_STR_ENV	Combination	Min	-76.5	-93.3	-45.7	-4.1	-17.9	37.6
3691	0.0	C_SLU_STR_ENV	Combination	Max	70.7	283.0	8.1	0.3	7.4	2450.4
3691	0.5	C_SLU_STR_ENV	Combination	Max	70.7	284.1	8.1	0.3	17.9	2371.6
3691	1.0	C_SLU_STR_ENV	Combination	Max	70.7	285.3	8.1	0.3	29.6	2292.2
3691	0.0	C_SLU_STR_ENV	Combination	Min	-76.5	-93.3	-45.7	-0.4	-17.9	37.2
3691	0.5	C_SLU_STR_ENV	Combination	Min	-76.5	-92.1	-45.7	-0.4	-10.2	34.6
3691	1.0	C_SLU_STR_ENV	Combination	Min	-76.5	-91.0	-45.7	-0.4	-3.4	31.5
3692	0.0	C_SLU_STR_ENV	Combination	Max	69.2	308.2	27.0	0.2	19.1	2288.3
3692	0.4	C_SLU_STR_ENV	Combination	Max	69.2	309.1	27.0	0.2	20.9	2217.1
3692	0.7	C_SLU_STR_ENV	Combination	Max	69.2	309.9	27.0	0.2	22.7	2145.6
3692	1.1	C_SLU_STR_ENV	Combination	Max	69.2	310.8	27.0	0.2	28.4	2073.8
3692	0.0	C_SLU_STR_ENV	Combination	Min	-98.7	-74.9	-49.4	-0.5	-25.6	30.9
3692	0.4	C_SLU_STR_ENV	Combination	Min	-98.7	-74.0	-49.4	-0.5	-20.3	29.2
3692	0.7	C_SLU_STR_ENV	Combination	Min	-98.7	-73.2	-49.4	-0.5	-15.5	27.1
3692	1.1	C_SLU_STR_ENV	Combination	Min	-98.7	-72.3	-49.4	-0.5	-10.6	24.8
3693	0.0	C_SLU_STR_ENV	Combination	Max	80.1	331.9	66.1	0.3	30.0	2071.3
3693	0.5	C_SLU_STR_ENV	Combination	Max	80.1	333.0	66.1	0.3	28.9	1966.7
3693	0.9	C_SLU_STR_ENV	Combination	Max	80.1	334.1	66.1	0.3	31.0	1861.6
3693	0.0	C_SLU_STR_ENV	Combination	Min	-134.0	-59.9	-74.6	-0.4	-37.6	26.1
3693	0.5	C_SLU_STR_ENV	Combination	Min	-134.0	-58.8	-74.6	-0.4	-33.0	23.8
3693	0.9	C_SLU_STR_ENV	Combination	Min	-134.0	-57.7	-74.6	-0.4	-32.0	20.9
3694	0.0	C_SLU_STR_ENV	Combination	Max	84.7	339.9	60.2	0.5	45.2	1860.7
3694	0.2	C_SLU_STR_ENV	Combination	Max	84.7	340.3	60.2	0.5	46.0	1826.0
3694	0.0	C_SLU_STR_ENV	Combination	Min	-66.1	-84.9	-164.7	-1.9	-28.9	21.0
3694	0.2	C_SLU_STR_ENV	Combination	Min	-66.1	-84.5	-164.7	-1.9	-7.9	19.5
3695	0.0	C_SLU_STR_ENV	Combination	Max	79.4	360.2	22.0	0.2	14.3	1822.2
3695	0.4	C_SLU_STR_ENV	Combination	Max	79.4	361.1	22.0	0.2	24.9	1721.1
3695	0.7	C_SLU_STR_ENV	Combination	Max	79.4	362.0	22.0	0.2	40.1	1619.6
3695	1.1	C_SLU_STR_ENV	Combination	Max	79.4	362.8	22.0	0.2	55.3	1517.8
3695	0.0	C_SLU_STR_ENV	Combination	Min	-75.0	-70.9	-99.0	-0.5	-52.4	16.7
3695	0.4	C_SLU_STR_ENV	Combination	Min	-75.0	-70.0	-99.0	-0.5	-38.0	14.0

3695	0.7	C_SLU_STR_ENV	Combination	Min	-75.0	-69.2	-99.0	-0.5	-23.5	10.9
3695	1.1	C_SLU_STR_ENV	Combination	Min	-75.0	-68.3	-99.0	-0.5	-10.2	7.6
3696	0.0	C_SLU_STR_ENV	Combination	Max	69.3	388.1	4.5	0.2	2.2	1509.4
3696	0.4	C_SLU_STR_ENV	Combination	Max	69.3	389.0	4.5	0.2	12.9	1392.9
3696	0.7	C_SLU_STR_ENV	Combination	Max	69.3	389.9	4.5	0.2	26.4	1276.1
3696	1.1	C_SLU_STR_ENV	Combination	Max	69.3	390.7	4.5	0.2	39.9	1158.9
3696	0.0	C_SLU_STR_ENV	Combination	Min	-64.1	-48.8	-66.7	-0.5	-32.6	2.8
3696	0.4	C_SLU_STR_ENV	Combination	Min	-64.1	-47.9	-66.7	-0.5	-22.2	0.1
3696	0.7	C_SLU_STR_ENV	Combination	Min	-64.1	-47.0	-66.7	-0.5	-11.8	-2.8
3696	1.1	C_SLU_STR_ENV	Combination	Min	-64.1	-46.2	-66.7	-0.5	-2.9	-6.1
3697	0.0	C_SLU_STR_ENV	Combination	Max	63.5	421.0	-0.5	0.2	-0.1	1149.8
3697	0.4	C_SLU_STR_ENV	Combination	Max	63.5	421.9	-0.5	0.2	9.2	1014.8
3697	0.7	C_SLU_STR_ENV	Combination	Max	63.5	422.8	-0.5	0.2	20.4	879.5
3697	1.1	C_SLU_STR_ENV	Combination	Max	63.5	423.7	-0.5	0.2	31.6	743.9
3697	0.0	C_SLU_STR_ENV	Combination	Min	-54.0	-21.0	-53.8	-0.6	-29.2	-9.2
3697	0.4	C_SLU_STR_ENV	Combination	Min	-54.0	-20.1	-53.8	-0.6	-18.5	-11.7
3697	0.7	C_SLU_STR_ENV	Combination	Min	-54.0	-19.3	-53.8	-0.6	-7.9	-14.4
3697	1.1	C_SLU_STR_ENV	Combination	Min	-54.0	-18.4	-53.8	-0.6	0.0	-17.5
3698	0.0	C_SLU_STR_ENV	Combination	Max	52.8	459.0	-5.9	0.2	-3.1	734.6
3698	0.4	C_SLU_STR_ENV	Combination	Max	52.8	459.9	-5.9	0.2	7.5	580.2
3698	0.7	C_SLU_STR_ENV	Combination	Max	52.8	460.8	-5.9	0.2	19.9	425.5
3698	1.1	C_SLU_STR_ENV	Combination	Max	52.8	461.6	-5.9	0.2	33.8	270.4
3698	0.0	C_SLU_STR_ENV	Combination	Min	-44.7	-1.2	-62.8	-0.6	-34.2	-18.6
3698	0.4	C_SLU_STR_ENV	Combination	Min	-44.7	-0.4	-62.8	-0.6	-20.2	-20.9
3698	0.7	C_SLU_STR_ENV	Combination	Min	-44.7	0.5	-62.8	-0.6	-6.8	-23.6
3698	1.1	C_SLU_STR_ENV	Combination	Min	-44.7	1.4	-62.8	-0.6	3.2	-26.6
3699	0.0	C_SLU_STR_ENV	Combination	Max	45.0	504.5	-4.4	0.2	-3.4	254.9
3699	0.5	C_SLU_STR_ENV	Combination	Max	45.0	505.7	-4.4	0.2	17.1	36.9
3699	0.0	C_SLU_STR_ENV	Combination	Min	-27.5	1.6	-90.5	-0.6	-39.6	-20.2
3699	0.5	C_SLU_STR_ENV	Combination	Min	-27.5	2.8	-90.5	-0.6	-16.9	-48.9
3700	0.0	C_SLU_STR_ENV	Combination	Max	13.7	102.7	51.0	0.6	11.7	47.4
3700	0.5	C_SLU_STR_ENV	Combination	Max	13.7	101.8	46.8	0.6	3.1	155.4
3700	0.0	C_SLU_STR_ENV	Combination	Min	-22.9	-296.8	-21.6	-0.3	-16.1	-9.7
3700	0.5	C_SLU_STR_ENV	Combination	Min	-22.9	-297.7	-25.8	-0.3	-17.1	-23.0
3701	0.0	C_SLU_STR_ENV	Combination	Max	-2.2	97.8	37.5	0.5	18.0	186.0
3701	0.4	C_SLU_STR_ENV	Combination	Max	-2.2	97.1	34.4	0.5	12.3	284.7

3701	0.7	C_SLU_STR_ENV	Combination	Max	-2.2	96.4	31.3	0.5	9.7	383.7
3701	1.1	C_SLU_STR_ENV	Combination	Max	-2.2	95.7	28.1	0.5	9.4	482.9
3701	0.0	C_SLU_STR_ENV	Combination	Min	-38.9	-286.6	-7.7	-0.3	-4.4	-1.0
3701	0.4	C_SLU_STR_ENV	Combination	Min	-38.9	-287.2	-10.8	-0.3	-8.2	-31.9
3701	0.7	C_SLU_STR_ENV	Combination	Min	-38.9	-287.9	-13.9	-0.3	-12.8	-62.5
3701	1.1	C_SLU_STR_ENV	Combination	Min	-38.9	-288.6	-17.0	-0.3	-17.5	-92.9
3702	0.0	C_SLU_STR_ENV	Combination	Max	-8.4	92.8	30.5	0.5	16.8	503.3
3702	0.4	C_SLU_STR_ENV	Combination	Max	-8.4	92.1	27.4	0.5	11.5	601.6
3702	0.7	C_SLU_STR_ENV	Combination	Max	-8.4	91.4	24.3	0.5	8.8	700.1
3702	1.1	C_SLU_STR_ENV	Combination	Max	-8.4	90.8	21.1	0.5	7.3	798.9
3702	0.0	C_SLU_STR_ENV	Combination	Min	-58.7	-274.4	-1.6	-0.2	-0.5	-65.5
3702	0.4	C_SLU_STR_ENV	Combination	Min	-58.7	-275.1	-4.7	-0.2	-5.5	-98.1
3702	0.7	C_SLU_STR_ENV	Combination	Min	-58.7	-275.8	-7.8	-0.2	-9.4	-130.4
3702	1.1	C_SLU_STR_ENV	Combination	Min	-58.7	-276.4	-10.9	-0.2	-12.2	-162.4
3703	0.0	C_SLU_STR_ENV	Combination	Max	-10.8	86.9	35.5	0.5	21.7	820.6
3703	0.4	C_SLU_STR_ENV	Combination	Max	-10.8	86.2	32.4	0.5	15.2	913.1
3703	0.7	C_SLU_STR_ENV	Combination	Max	-10.8	85.5	29.3	0.5	9.9	1005.8
3703	1.1	C_SLU_STR_ENV	Combination	Max	-10.8	84.8	26.1	0.5	5.8	1098.8
3703	0.0	C_SLU_STR_ENV	Combination	Min	-84.5	-258.7	-1.7	-0.2	-3.9	-138.1
3703	0.4	C_SLU_STR_ENV	Combination	Min	-84.5	-259.4	-4.9	-0.2	-8.0	-168.7
3703	0.7	C_SLU_STR_ENV	Combination	Min	-84.5	-260.1	-8.0	-0.2	-11.0	-199.0
3703	1.1	C_SLU_STR_ENV	Combination	Min	-84.5	-260.8	-11.1	-0.2	-12.8	-229.1
3704	0.0	C_SLU_STR_ENV	Combination	Max	-10.1	79.4	54.1	0.5	30.6	1124.3
3704	0.4	C_SLU_STR_ENV	Combination	Max	-10.1	78.8	51.0	0.5	24.1	1208.9
3704	0.7	C_SLU_STR_ENV	Combination	Max	-10.1	78.1	47.9	0.5	18.6	1293.8
3704	1.1	C_SLU_STR_ENV	Combination	Max	-10.1	77.4	44.8	0.5	14.3	1378.9
3704	0.0	C_SLU_STR_ENV	Combination	Min	-120.8	-238.4	-17.3	-0.2	-9.6	-209.3
3704	0.4	C_SLU_STR_ENV	Combination	Min	-120.8	-239.1	-20.5	-0.2	-15.6	-237.0
3704	0.7	C_SLU_STR_ENV	Combination	Min	-120.8	-239.7	-23.6	-0.2	-20.4	-264.3
3704	1.1	C_SLU_STR_ENV	Combination	Min	-120.8	-240.4	-26.7	-0.2	-24.1	-291.5
3705	0.0	C_SLU_STR_ENV	Combination	Max	-5.0	70.1	88.2	1.3	23.8	1395.4
3705	0.2	C_SLU_STR_ENV	Combination	Max	-5.0	69.8	86.7	1.3	24.9	1428.6
3705	0.0	C_SLU_STR_ENV	Combination	Min	-153.4	-213.0	-41.5	-0.5	-8.5	-265.5
3705	0.2	C_SLU_STR_ENV	Combination	Min	-153.4	-213.3	-43.0	-0.5	-16.5	-275.7
3706	0.0	C_SLU_STR_ENV	Combination	Max	-25.0	63.8	38.7	0.4	17.8	1428.5
3706	0.5	C_SLU_STR_ENV	Combination	Max	-25.0	62.9	34.7	0.4	18.6	1514.1

3706	0.9	C_SLU_STR_ENV	Combination	Max	-25.0	62.1	30.8	0.4	21.2	1600.1
3706	0.0	C_SLU_STR_ENV	Combination	Min	-107.5	-201.1	-41.4	-0.3	-21.0	-273.7
3706	0.5	C_SLU_STR_ENV	Combination	Min	-107.5	-202.0	-45.4	-0.3	-18.1	-298.8
3706	0.9	C_SLU_STR_ENV	Combination	Min	-107.5	-202.9	-49.4	-0.3	-14.1	-323.5
3707	0.0	C_SLU_STR_ENV	Combination	Max	-33.5	57.5	22.0	0.4	12.2	1595.1
3707	0.4	C_SLU_STR_ENV	Combination	Max	-33.5	56.8	18.9	0.4	12.9	1653.6
3707	0.7	C_SLU_STR_ENV	Combination	Max	-33.5	56.1	15.7	0.4	14.8	1712.3
3707	1.1	C_SLU_STR_ENV	Combination	Max	-33.5	55.4	12.6	0.4	17.8	1771.3
3707	0.0	C_SLU_STR_ENV	Combination	Min	-107.4	-181.0	-15.5	-0.2	-5.7	-294.7
3707	0.4	C_SLU_STR_ENV	Combination	Min	-107.4	-181.7	-18.6	-0.2	-8.1	-312.7
3707	0.7	C_SLU_STR_ENV	Combination	Min	-107.4	-182.4	-21.8	-0.2	-9.3	-330.4
3707	1.1	C_SLU_STR_ENV	Combination	Min	-107.4	-183.1	-24.9	-0.2	-9.5	-347.9
3708	0.0	C_SLU_STR_ENV	Combination	Max	-34.7	54.7	22.6	0.3	16.6	1774.4
3708	0.5	C_SLU_STR_ENV	Combination	Max	-34.7	53.8	18.5	0.3	12.5	1842.3
3708	1.0	C_SLU_STR_ENV	Combination	Max	-34.7	52.8	14.3	0.3	10.5	1910.6
3708	0.0	C_SLU_STR_ENV	Combination	Min	-118.2	-162.1	-4.7	-0.3	-3.4	-329.2
3708	0.5	C_SLU_STR_ENV	Combination	Min	-118.2	-163.0	-8.8	-0.3	-5.3	-351.5
3708	1.0	C_SLU_STR_ENV	Combination	Min	-118.2	-163.9	-13.0	-0.3	-5.1	-373.5
3709	0.0	C_SLU_STR_ENV	Combination	Max	-34.7	52.8	14.3	1.4	10.5	1920.5
3709	0.1	C_SLU_STR_ENV	Combination	Max	-34.7	52.6	13.3	1.4	11.8	1938.5
3709	0.0	C_SLU_STR_ENV	Combination	Min	-118.2	-163.9	-13.0	-1.3	-5.1	-370.1
3709	0.1	C_SLU_STR_ENV	Combination	Min	-118.2	-164.2	-14.0	-1.3	-6.0	-375.6
3710	0.0	C_SLU_STR_ENV	Combination	Max	-29.6	51.6	38.6	0.6	25.7	1953.6
3710	0.4	C_SLU_STR_ENV	Combination	Max	-29.6	51.0	35.4	0.6	21.0	1996.1
3710	0.7	C_SLU_STR_ENV	Combination	Max	-29.6	50.3	32.3	0.6	17.6	2038.9
3710	1.1	C_SLU_STR_ENV	Combination	Max	-29.6	49.6	29.2	0.6	15.3	2082.0
3710	0.0	C_SLU_STR_ENV	Combination	Min	-141.7	-141.4	-17.0	-0.5	-10.7	-366.4
3710	0.4	C_SLU_STR_ENV	Combination	Min	-141.7	-142.0	-20.1	-0.5	-12.6	-380.4
3710	0.7	C_SLU_STR_ENV	Combination	Min	-141.7	-142.7	-23.2	-0.5	-13.5	-394.2
3710	1.1	C_SLU_STR_ENV	Combination	Min	-141.7	-143.4	-26.4	-0.5	-13.2	-407.8
3711	0.0	C_SLU_STR_ENV	Combination	Max	-11.8	48.1	63.8	0.7	28.6	2103.8
3711	0.4	C_SLU_STR_ENV	Combination	Max	-11.8	47.3	60.2	0.7	26.4	2139.0
3711	0.8	C_SLU_STR_ENV	Combination	Max	-11.8	46.6	56.7	0.7	25.6	2174.6
3711	0.0	C_SLU_STR_ENV	Combination	Min	-176.5	-118.7	-38.8	-0.4	-10.2	-407.1
3711	0.4	C_SLU_STR_ENV	Combination	Min	-176.5	-119.5	-42.3	-0.4	-17.7	-417.5
3711	0.8	C_SLU_STR_ENV	Combination	Min	-176.5	-120.2	-45.8	-0.4	-23.7	-427.6

3712	0.0	C_SLU_STR_ENV	Combination	Max	-40.2	46.9	51.5	1.1	23.0	2173.6
3712	0.3	C_SLU_STR_ENV	Combination	Max	-40.2	46.4	49.2	1.1	15.2	2194.6
3712	0.0	C_SLU_STR_ENV	Combination	Min	-135.4	-111.9	-78.1	-2.4	-24.0	-426.9
3712	0.3	C_SLU_STR_ENV	Combination	Min	-135.4	-112.4	-80.4	-2.4	-10.8	-431.5
3713	0.0	C_SLU_STR_ENV	Combination	Max	-41.1	50.6	33.2	0.5	22.0	2183.0
3713	0.4	C_SLU_STR_ENV	Combination	Max	-41.1	49.9	30.1	0.5	22.6	2196.9
3713	0.7	C_SLU_STR_ENV	Combination	Max	-41.1	49.2	27.0	0.5	24.9	2211.1
3713	1.1	C_SLU_STR_ENV	Combination	Max	-41.1	48.5	23.8	0.5	28.7	2225.5
3713	0.0	C_SLU_STR_ENV	Combination	Min	-133.8	-91.1	-40.6	-0.5	-21.7	-418.4
3713	0.4	C_SLU_STR_ENV	Combination	Min	-133.8	-91.8	-43.7	-0.5	-19.3	-419.5
3713	0.7	C_SLU_STR_ENV	Combination	Min	-133.8	-92.4	-46.8	-0.5	-15.7	-420.3
3713	1.1	C_SLU_STR_ENV	Combination	Min	-133.8	-93.1	-49.9	-0.5	-11.0	-420.9
3714	0.0	C_SLU_STR_ENV	Combination	Max	-44.1	56.0	14.2	0.4	13.3	2207.8
3714	0.4	C_SLU_STR_ENV	Combination	Max	-44.1	55.3	10.9	0.4	15.2	2212.7
3714	0.8	C_SLU_STR_ENV	Combination	Max	-44.1	54.6	7.6	0.4	18.3	2217.9
3714	1.1	C_SLU_STR_ENV	Combination	Max	-44.1	53.9	4.3	0.4	22.7	2223.3
3714	0.0	C_SLU_STR_ENV	Combination	Min	-124.0	-75.2	-18.8	-0.5	-8.8	-412.1
3714	0.4	C_SLU_STR_ENV	Combination	Min	-124.0	-75.9	-22.1	-0.5	-9.0	-410.4
3714	0.8	C_SLU_STR_ENV	Combination	Min	-124.0	-76.7	-25.4	-0.5	-8.0	-408.4
3714	1.1	C_SLU_STR_ENV	Combination	Min	-124.0	-77.4	-28.7	-0.5	-5.7	-406.2
3715	0.0	C_SLU_STR_ENV	Combination	Max	-35.2	70.8	18.7	0.4	17.2	2218.4
3715	0.4	C_SLU_STR_ENV	Combination	Max	-35.2	70.0	15.4	0.4	16.6	2215.6
3715	0.8	C_SLU_STR_ENV	Combination	Max	-35.2	69.3	12.1	0.4	17.1	2213.1
3715	1.1	C_SLU_STR_ENV	Combination	Max	-35.2	68.6	8.8	0.4	19.0	2210.8
3715	0.0	C_SLU_STR_ENV	Combination	Min	-130.4	-63.2	-15.5	-0.6	-12.1	-410.5
3715	0.4	C_SLU_STR_ENV	Combination	Min	-130.4	-63.9	-18.8	-0.6	-10.1	-409.0
3715	0.8	C_SLU_STR_ENV	Combination	Min	-130.4	-64.6	-22.1	-0.6	-6.9	-407.2
3715	1.1	C_SLU_STR_ENV	Combination	Min	-130.4	-65.3	-25.4	-0.6	-2.4	-405.1
3716	0.0	C_SLU_STR_ENV	Combination	Max	-17.1	86.8	39.5	0.4	23.2	2219.0
3716	0.4	C_SLU_STR_ENV	Combination	Max	-17.1	86.1	36.4	0.4	23.4	2207.3
3716	0.7	C_SLU_STR_ENV	Combination	Max	-17.1	85.4	33.3	0.4	25.6	2195.8
3716	1.1	C_SLU_STR_ENV	Combination	Max	-17.1	84.8	30.2	0.4	29.3	2184.6
3716	0.0	C_SLU_STR_ENV	Combination	Min	-154.9	-57.9	-35.0	-0.6	-16.5	-422.0
3716	0.4	C_SLU_STR_ENV	Combination	Min	-154.9	-58.5	-38.2	-0.6	-17.4	-417.7
3716	0.7	C_SLU_STR_ENV	Combination	Min	-154.9	-59.2	-41.3	-0.6	-17.2	-413.2
3716	1.1	C_SLU_STR_ENV	Combination	Min	-154.9	-59.9	-44.4	-0.6	-15.9	-408.4

3717	0.0	C_SLU_STR_ENV	Combination	Max	2.8	106.1	70.2	2.0	13.4	2187.8
3717	0.3	C_SLU_STR_ENV	Combination	Max	2.8	105.6	67.9	2.0	24.3	2168.5
3717	0.0	C_SLU_STR_ENV	Combination	Min	-174.9	-55.7	-62.0	-1.0	-16.4	-428.9
3717	0.3	C_SLU_STR_ENV	Combination	Min	-174.9	-56.2	-64.3	-1.0	-25.6	-421.6
3718	0.0	C_SLU_STR_ENV	Combination	Max	-37.1	113.2	41.3	0.2	27.7	2167.5
3718	0.4	C_SLU_STR_ENV	Combination	Max	-37.1	112.4	37.8	0.2	27.2	2135.2
3718	0.8	C_SLU_STR_ENV	Combination	Max	-37.1	111.7	34.2	0.2	31.2	2103.3
3718	0.0	C_SLU_STR_ENV	Combination	Min	-132.7	-57.4	-64.5	-1.1	-26.3	-421.7
3718	0.4	C_SLU_STR_ENV	Combination	Min	-132.7	-58.2	-68.0	-1.1	-17.0	-407.0
3718	0.8	C_SLU_STR_ENV	Combination	Min	-132.7	-59.0	-71.5	-1.1	-6.4	-391.9
3719	0.0	C_SLU_STR_ENV	Combination	Max	-36.9	136.7	19.7	0.3	13.1	2073.8
3719	0.4	C_SLU_STR_ENV	Combination	Max	-36.9	136.1	16.6	0.3	16.2	2033.4
3719	0.7	C_SLU_STR_ENV	Combination	Max	-36.9	135.4	13.5	0.3	20.6	1993.3
3719	1.1	C_SLU_STR_ENV	Combination	Max	-36.9	134.7	10.4	0.3	27.9	1953.5
3719	0.0	C_SLU_STR_ENV	Combination	Min	-116.7	-59.9	-37.4	-0.7	-18.2	-395.6
3719	0.4	C_SLU_STR_ENV	Combination	Min	-116.7	-60.6	-40.6	-0.7	-15.5	-378.6
3719	0.7	C_SLU_STR_ENV	Combination	Min	-116.7	-61.2	-43.7	-0.7	-11.7	-361.3
3719	1.1	C_SLU_STR_ENV	Combination	Min	-116.7	-61.9	-46.8	-0.7	-6.8	-343.7
3720	0.0	C_SLU_STR_ENV	Combination	Max	-32.4	158.7	5.3	0.4	6.9	1929.1
3720	0.1	C_SLU_STR_ENV	Combination	Max	-32.4	158.5	4.3	0.4	6.4	1911.9
3720	0.0	C_SLU_STR_ENV	Combination	Min	-104.9	-61.2	-21.3	-2.2	-12.0	-356.9
3720	0.1	C_SLU_STR_ENV	Combination	Min	-104.9	-61.5	-22.4	-2.2	-9.9	-350.5
3721	0.0	C_SLU_STR_ENV	Combination	Max	-32.4	158.5	4.3	0.2	6.4	1902.8
3721	0.5	C_SLU_STR_ENV	Combination	Max	-32.4	157.6	0.1	0.2	11.6	1837.7
3721	1.0	C_SLU_STR_ENV	Combination	Max	-32.4	156.6	-4.1	0.2	18.8	1773.0
3721	0.0	C_SLU_STR_ENV	Combination	Min	-104.9	-61.5	-22.4	-0.3	-9.9	-353.6
3721	0.5	C_SLU_STR_ENV	Combination	Min	-104.9	-62.4	-26.6	-0.3	-5.3	-328.3
3721	1.0	C_SLU_STR_ENV	Combination	Min	-104.9	-63.3	-30.7	-0.3	1.4	-302.6
3722	0.0	C_SLU_STR_ENV	Combination	Max	-18.8	177.8	13.5	0.2	9.7	1760.8
3722	0.4	C_SLU_STR_ENV	Combination	Max	-18.8	177.1	10.4	0.2	11.4	1704.1
3722	0.7	C_SLU_STR_ENV	Combination	Max	-18.8	176.5	7.3	0.2	14.5	1647.6
3722	1.1	C_SLU_STR_ENV	Combination	Max	-18.8	175.8	4.1	0.2	18.7	1591.3
3722	0.0	C_SLU_STR_ENV	Combination	Min	-106.3	-61.9	-25.1	-0.4	-16.3	-326.2
3722	0.4	C_SLU_STR_ENV	Combination	Min	-106.3	-62.6	-28.2	-0.4	-12.2	-307.0
3722	0.7	C_SLU_STR_ENV	Combination	Min	-106.3	-63.2	-31.3	-0.4	-7.0	-287.5
3722	1.1	C_SLU_STR_ENV	Combination	Min	-106.3	-63.9	-34.4	-0.4	-0.6	-267.8

3723	0.0	C_SLU_STR_ENV	Combination	Max	9.5	197.4	33.0	0.2	14.7	1587.2
3723	0.5	C_SLU_STR_ENV	Combination	Max	9.5	196.5	29.0	0.2	18.7	1504.4
3723	0.9	C_SLU_STR_ENV	Combination	Max	9.5	195.7	25.0	0.2	25.3	1422.0
3723	0.0	C_SLU_STR_ENV	Combination	Min	-123.1	-65.3	-46.6	-0.3	-21.6	-303.7
3723	0.5	C_SLU_STR_ENV	Combination	Min	-123.1	-66.1	-50.6	-0.3	-18.4	-277.8
3723	0.9	C_SLU_STR_ENV	Combination	Min	-123.1	-67.0	-54.5	-0.3	-13.4	-251.4
3724	0.0	C_SLU_STR_ENV	Combination	Max	-32.5	206.7	42.9	0.2	34.7	1421.1
3724	0.2	C_SLU_STR_ENV	Combination	Max	-32.5	206.4	41.5	0.2	30.5	1389.1
3724	0.0	C_SLU_STR_ENV	Combination	Min	-95.8	-77.6	-84.5	-1.7	-11.2	-253.0
3724	0.2	C_SLU_STR_ENV	Combination	Min	-95.8	-77.9	-86.0	-1.7	-2.8	-241.6
3725	0.0	C_SLU_STR_ENV	Combination	Max	-15.8	233.4	20.9	0.1	13.6	1366.2
3725	0.4	C_SLU_STR_ENV	Combination	Max	-15.8	232.7	17.8	0.1	17.4	1283.8
3725	0.7	C_SLU_STR_ENV	Combination	Max	-15.8	232.1	14.7	0.1	22.9	1201.7
3725	1.1	C_SLU_STR_ENV	Combination	Max	-15.8	231.4	11.5	0.1	30.3	1119.8
3725	0.0	C_SLU_STR_ENV	Combination	Min	-84.3	-83.0	-46.8	-0.5	-26.1	-269.3
3725	0.4	C_SLU_STR_ENV	Combination	Min	-84.3	-83.7	-49.9	-0.5	-20.4	-240.4
3725	0.7	C_SLU_STR_ENV	Combination	Min	-84.3	-84.3	-53.1	-0.5	-13.6	-211.3
3725	1.1	C_SLU_STR_ENV	Combination	Min	-84.3	-85.0	-56.2	-0.5	-5.6	-181.9
3726	0.0	C_SLU_STR_ENV	Combination	Max	-10.4	254.0	3.8	0.1	1.8	1089.3
3726	0.4	C_SLU_STR_ENV	Combination	Max	-10.4	253.3	0.7	0.1	7.4	998.9
3726	0.7	C_SLU_STR_ENV	Combination	Max	-10.4	252.6	-2.4	0.1	14.6	908.8
3726	1.1	C_SLU_STR_ENV	Combination	Max	-10.4	251.9	-5.5	0.1	23.2	818.9
3726	0.0	C_SLU_STR_ENV	Combination	Min	-63.5	-86.6	-32.2	-0.5	-17.4	-201.3
3726	0.4	C_SLU_STR_ENV	Combination	Min	-63.5	-87.3	-35.4	-0.5	-12.6	-170.8
3726	0.7	C_SLU_STR_ENV	Combination	Min	-63.5	-88.0	-38.5	-0.5	-6.8	-140.0
3726	1.1	C_SLU_STR_ENV	Combination	Min	-63.5	-88.7	-41.6	-0.5	0.2	-109.0
3727	0.0	C_SLU_STR_ENV	Combination	Max	2.8	270.4	0.1	0.2	-0.1	792.3
3727	0.4	C_SLU_STR_ENV	Combination	Max	2.8	269.7	-3.0	0.2	5.3	696.9
3727	0.7	C_SLU_STR_ENV	Combination	Max	2.8	269.0	-6.2	0.2	12.6	601.7
3727	1.1	C_SLU_STR_ENV	Combination	Max	2.8	268.3	-9.3	0.2	21.2	506.7
3727	0.0	C_SLU_STR_ENV	Combination	Min	-44.6	-87.7	-31.4	-0.5	-18.1	-135.6
3727	0.4	C_SLU_STR_ENV	Combination	Min	-44.6	-88.4	-34.5	-0.5	-11.8	-105.1
3727	0.7	C_SLU_STR_ENV	Combination	Min	-44.6	-89.1	-37.6	-0.5	-4.4	-74.3
3727	1.1	C_SLU_STR_ENV	Combination	Min	-44.6	-89.8	-40.7	-0.5	4.1	-43.3
3728	0.0	C_SLU_STR_ENV	Combination	Max	17.9	283.4	-0.2	0.2	-0.7	478.1
3728	0.4	C_SLU_STR_ENV	Combination	Max	17.9	282.7	-3.4	0.2	6.1	381.7

3728	0.7	C_SLU_STR_ENV	Combination	Max	17.9	282.0	-6.5	0.2	15.1	285.6
3728	1.1	C_SLU_STR_ENV	Combination	Max	17.9	281.3	-9.6	0.2	25.9	189.7
3728	0.0	C_SLU_STR_ENV	Combination	Min	-21.9	-87.5	-41.4	-0.5	-24.4	-75.1
3728	0.4	C_SLU_STR_ENV	Combination	Min	-21.9	-88.1	-44.6	-0.5	-15.3	-49.0
3728	0.7	C_SLU_STR_ENV	Combination	Min	-21.9	-88.8	-47.7	-0.5	-5.4	-22.8
3728	1.1	C_SLU_STR_ENV	Combination	Min	-21.9	-89.5	-50.8	-0.5	4.4	3.7
3729	0.0	C_SLU_STR_ENV	Combination	Max	35.5	292.6	-2.1	0.3	-1.0	152.8
3729	0.5	C_SLU_STR_ENV	Combination	Max	35.5	291.7	-6.3	0.3	12.5	40.8
3729	0.0	C_SLU_STR_ENV	Combination	Min	-1.0	-88.6	-60.6	-0.4	-23.4	-20.8
3729	0.5	C_SLU_STR_ENV	Combination	Min	-1.0	-89.5	-64.8	-0.4	-4.4	-8.0
3730	0.0	C_SLU_STR_ENV	Combination	Max	654.4	82.3	73.6	0.5	15.7	569.0
3730	0.5	C_SLU_STR_ENV	Combination	Max	654.4	83.5	73.6	0.5	24.0	725.8
3730	0.0	C_SLU_STR_ENV	Combination	Min	-3.8	-961.8	-73.0	-0.5	-25.6	-116.7
3730	0.5	C_SLU_STR_ENV	Combination	Min	-3.8	-960.6	-73.0	-0.5	-28.3	-15.7
3731	0.0	C_SLU_STR_ENV	Combination	Max	652.5	86.8	59.7	0.6	33.3	738.3
3731	0.4	C_SLU_STR_ENV	Combination	Max	652.5	87.6	59.7	0.6	20.3	842.0
3731	0.7	C_SLU_STR_ENV	Combination	Max	652.5	88.5	59.7	0.6	20.7	971.9
3731	1.1	C_SLU_STR_ENV	Combination	Max	652.5	89.4	59.7	0.6	21.2	1233.1
3731	0.0	C_SLU_STR_ENV	Combination	Min	-20.6	-806.4	-35.8	-0.3	-17.7	-25.2
3731	0.4	C_SLU_STR_ENV	Combination	Min	-20.6	-805.5	-35.8	-0.3	-17.7	-10.4
3731	0.7	C_SLU_STR_ENV	Combination	Min	-20.6	-804.6	-35.8	-0.3	-17.7	4.0
3731	1.1	C_SLU_STR_ENV	Combination	Min	-20.6	-803.7	-35.8	-0.3	-31.6	18.1
3732	0.0	C_SLU_STR_ENV	Combination	Max	626.1	116.0	65.0	0.5	37.2	1205.9
3732	0.4	C_SLU_STR_ENV	Combination	Max	626.1	116.9	65.0	0.5	25.2	1403.6
3732	0.7	C_SLU_STR_ENV	Combination	Max	626.1	117.7	65.0	0.5	19.8	1601.0
3732	1.1	C_SLU_STR_ENV	Combination	Max	626.1	118.6	65.0	0.5	14.5	1798.0
3732	0.0	C_SLU_STR_ENV	Combination	Min	-33.5	-691.5	-23.9	-0.3	-11.7	23.8
3732	0.4	C_SLU_STR_ENV	Combination	Min	-33.5	-690.7	-23.9	-0.3	-16.0	37.8
3732	0.7	C_SLU_STR_ENV	Combination	Min	-33.5	-689.8	-23.9	-0.3	-20.3	51.5
3732	1.1	C_SLU_STR_ENV	Combination	Min	-33.5	-688.9	-23.9	-0.3	-33.2	61.4
3733	0.0	C_SLU_STR_ENV	Combination	Max	593.4	154.9	73.1	0.4	42.4	1767.5
3733	0.4	C_SLU_STR_ENV	Combination	Max	593.4	155.8	73.1	0.4	30.0	1911.8
3733	0.7	C_SLU_STR_ENV	Combination	Max	593.4	156.6	73.1	0.4	19.6	2055.7
3733	1.1	C_SLU_STR_ENV	Combination	Max	593.4	157.5	73.1	0.4	9.2	2199.3
3733	0.0	C_SLU_STR_ENV	Combination	Min	-53.9	-605.6	-14.0	-0.3	-7.0	64.7
3733	0.4	C_SLU_STR_ENV	Combination	Min	-53.9	-604.8	-14.0	-0.3	-15.7	74.2

3733	0.7	C_SLU_STR_ENV	Combination	Min	-53.9	-603.9	-14.0	-0.3	-24.4	83.3
3733	1.1	C_SLU_STR_ENV	Combination	Min	-53.9	-603.0	-14.0	-0.3	-36.8	92.1
3734	0.0	C_SLU_STR_ENV	Combination	Max	563.1	232.2	95.9	0.4	54.3	2167.3
3734	0.4	C_SLU_STR_ENV	Combination	Max	563.1	233.1	95.9	0.4	38.0	2273.2
3734	0.7	C_SLU_STR_ENV	Combination	Max	563.1	234.0	95.9	0.4	21.7	2378.8
3734	1.1	C_SLU_STR_ENV	Combination	Max	563.1	234.8	95.9	0.4	6.3	2484.1
3734	0.0	C_SLU_STR_ENV	Combination	Min	-84.0	-546.8	-11.4	-0.4	-7.2	95.7
3734	0.4	C_SLU_STR_ENV	Combination	Min	-84.0	-546.0	-11.4	-0.4	-21.3	104.3
3734	0.7	C_SLU_STR_ENV	Combination	Min	-84.0	-545.1	-11.4	-0.4	-35.4	112.5
3734	1.1	C_SLU_STR_ENV	Combination	Min	-84.0	-544.2	-11.4	-0.4	-49.5	120.4
3735	0.0	C_SLU_STR_ENV	Combination	Max	526.7	291.5	150.0	0.9	36.2	2458.2
3735	0.2	C_SLU_STR_ENV	Combination	Max	526.7	291.9	150.0	0.9	30.7	2476.9
3735	0.0	C_SLU_STR_ENV	Combination	Min	-94.8	-515.3	-28.2	-1.6	-23.8	124.1
3735	0.2	C_SLU_STR_ENV	Combination	Min	-94.8	-514.9	-28.2	-1.6	-28.9	127.5
3736	0.0	C_SLU_STR_ENV	Combination	Max	535.0	191.9	53.1	0.5	21.3	2477.0
3736	0.5	C_SLU_STR_ENV	Combination	Max	535.0	193.0	53.1	0.5	27.7	2634.5
3736	0.9	C_SLU_STR_ENV	Combination	Max	535.0	194.2	53.1	0.5	41.0	2791.4
3736	0.0	C_SLU_STR_ENV	Combination	Min	-84.0	-595.8	-80.9	-0.2	-33.4	127.5
3736	0.5	C_SLU_STR_ENV	Combination	Min	-84.0	-594.7	-80.9	-0.2	-26.7	137.2
3736	0.9	C_SLU_STR_ENV	Combination	Min	-84.0	-593.6	-80.9	-0.2	-28.7	146.3
3737	0.0	C_SLU_STR_ENV	Combination	Max	472.2	228.3	49.8	0.4	28.0	2793.1
3737	0.4	C_SLU_STR_ENV	Combination	Max	472.2	229.2	49.8	0.4	23.7	2890.6
3737	0.7	C_SLU_STR_ENV	Combination	Max	472.2	230.1	49.8	0.4	26.8	2987.8
3737	1.1	C_SLU_STR_ENV	Combination	Max	472.2	231.0	49.8	0.4	29.9	3084.6
3737	0.0	C_SLU_STR_ENV	Combination	Min	-65.4	-544.9	-46.4	-0.3	-20.7	149.8
3737	0.4	C_SLU_STR_ENV	Combination	Min	-65.4	-544.0	-46.4	-0.3	-20.0	156.5
3737	0.7	C_SLU_STR_ENV	Combination	Min	-65.4	-543.1	-46.4	-0.3	-19.3	162.8
3737	1.1	C_SLU_STR_ENV	Combination	Min	-65.4	-542.2	-46.4	-0.3	-26.6	168.8
3738	0.0	C_SLU_STR_ENV	Combination	Max	424.4	278.7	55.8	0.3	33.1	3077.6
3738	0.5	C_SLU_STR_ENV	Combination	Max	424.4	279.8	55.8	0.3	22.6	3166.8
3738	1.0	C_SLU_STR_ENV	Combination	Max	424.4	281.0	55.8	0.3	15.5	3255.6
3738	0.0	C_SLU_STR_ENV	Combination	Min	-54.8	-492.0	-25.7	-0.6	-11.3	172.4
3738	0.5	C_SLU_STR_ENV	Combination	Min	-54.8	-490.9	-25.7	-0.6	-14.8	179.7
3738	1.0	C_SLU_STR_ENV	Combination	Min	-54.8	-489.7	-25.7	-0.6	-21.9	186.5
3739	0.0	C_SLU_STR_ENV	Combination	Max	424.4	281.0	55.8	4.8	15.5	3242.4
3739	0.1	C_SLU_STR_ENV	Combination	Max	424.4	281.3	55.8	4.8	18.3	3283.8

3739	0.0	C_SLU_STR_ENV	Combination	Min	-54.8	-489.7	-25.7	-2.3	-21.9	186.4
3739	0.1	C_SLU_STR_ENV	Combination	Min	-54.8	-489.4	-25.7	-2.3	-28.3	188.0
3740	0.0	C_SLU_STR_ENV	Combination	Max	390.1	328.0	74.6	0.5	48.1	3264.9
3740	0.4	C_SLU_STR_ENV	Combination	Max	390.1	328.8	74.6	0.5	36.1	3312.1
3740	0.7	C_SLU_STR_ENV	Combination	Max	390.1	329.7	74.6	0.5	24.1	3359.0
3740	1.1	C_SLU_STR_ENV	Combination	Max	390.1	330.6	74.6	0.5	12.2	3405.6
3740	0.0	C_SLU_STR_ENV	Combination	Min	-72.3	-444.8	-19.9	-0.7	-10.7	191.7
3740	0.4	C_SLU_STR_ENV	Combination	Min	-72.3	-443.9	-19.9	-0.7	-18.1	196.0
3740	0.7	C_SLU_STR_ENV	Combination	Min	-72.3	-443.0	-19.9	-0.7	-25.5	199.9
3740	1.1	C_SLU_STR_ENV	Combination	Min	-72.3	-442.2	-19.9	-0.7	-33.0	203.6
3741	0.0	C_SLU_STR_ENV	Combination	Max	368.9	372.7	113.6	0.5	55.7	3378.9
3741	0.4	C_SLU_STR_ENV	Combination	Max	368.9	373.7	113.6	0.5	33.2	3392.7
3741	0.8	C_SLU_STR_ENV	Combination	Max	368.9	374.7	113.6	0.5	13.1	3406.1
3741	0.0	C_SLU_STR_ENV	Combination	Min	-97.1	-411.8	-27.7	-1.0	-18.0	207.5
3741	0.4	C_SLU_STR_ENV	Combination	Min	-97.1	-410.8	-27.7	-1.0	-28.3	210.8
3741	0.8	C_SLU_STR_ENV	Combination	Min	-97.1	-409.8	-27.7	-1.0	-38.6	213.2
3742	0.0	C_SLU_STR_ENV	Combination	Max	387.1	296.9	51.2	1.6	11.6	3406.7
3742	0.3	C_SLU_STR_ENV	Combination	Max	387.1	297.6	51.2	1.6	24.1	3476.5
3742	0.0	C_SLU_STR_ENV	Combination	Min	-83.1	-496.7	-133.4	-1.1	-37.4	213.0
3742	0.3	C_SLU_STR_ENV	Combination	Min	-83.1	-496.0	-133.4	-1.1	-28.1	205.4
3743	0.0	C_SLU_STR_ENV	Combination	Max	338.2	319.5	40.8	0.5	23.0	3478.7
3743	0.4	C_SLU_STR_ENV	Combination	Max	338.2	320.4	40.8	0.5	25.7	3514.4
3743	0.7	C_SLU_STR_ENV	Combination	Max	338.2	321.2	40.8	0.5	38.8	3549.8
3743	1.1	C_SLU_STR_ENV	Combination	Max	338.2	322.1	40.8	0.5	51.9	3584.9
3743	0.0	C_SLU_STR_ENV	Combination	Min	-80.4	-457.4	-85.8	-0.6	-41.1	218.5
3743	0.4	C_SLU_STR_ENV	Combination	Min	-80.4	-456.6	-85.8	-0.6	-31.5	219.9
3743	0.7	C_SLU_STR_ENV	Combination	Min	-80.4	-455.7	-85.8	-0.6	-21.9	216.2
3743	1.1	C_SLU_STR_ENV	Combination	Min	-80.4	-454.8	-85.8	-0.6	-21.9	206.0
3744	0.0	C_SLU_STR_ENV	Combination	Max	290.4	357.8	39.9	0.4	27.6	3598.0
3744	0.4	C_SLU_STR_ENV	Combination	Max	290.4	358.7	39.9	0.4	26.4	3609.8
3744	0.8	C_SLU_STR_ENV	Combination	Max	290.4	359.7	39.9	0.4	32.9	3621.2
3744	1.1	C_SLU_STR_ENV	Combination	Max	290.4	360.6	39.9	0.4	39.4	3632.3
3744	0.0	C_SLU_STR_ENV	Combination	Min	-61.6	-406.4	-53.7	-0.7	-24.1	225.1
3744	0.4	C_SLU_STR_ENV	Combination	Min	-61.6	-405.5	-53.7	-0.7	-20.4	224.9
3744	0.8	C_SLU_STR_ENV	Combination	Min	-61.6	-404.6	-53.7	-0.7	-16.6	214.4
3744	1.1	C_SLU_STR_ENV	Combination	Min	-61.6	-403.7	-53.7	-0.7	-21.6	203.4

3745	0.0	C_SLU_STR_ENV	Combination	Max	259.4	409.6	51.6	0.4	36.7	3631.4
3745	0.4	C_SLU_STR_ENV	Combination	Max	259.4	410.5	51.6	0.4	31.4	3618.5
3745	0.8	C_SLU_STR_ENV	Combination	Max	259.4	411.5	51.6	0.4	28.2	3605.1
3745	1.1	C_SLU_STR_ENV	Combination	Max	259.4	412.4	51.6	0.4	25.0	3591.5
3745	0.0	C_SLU_STR_ENV	Combination	Min	-69.8	-353.8	-35.2	-0.8	-18.3	227.6
3745	0.4	C_SLU_STR_ENV	Combination	Min	-69.8	-352.9	-35.2	-0.8	-18.7	218.4
3745	0.8	C_SLU_STR_ENV	Combination	Min	-69.8	-352.0	-35.2	-0.8	-19.1	206.6
3745	1.1	C_SLU_STR_ENV	Combination	Min	-69.8	-351.1	-35.2	-0.8	-23.8	194.5
3746	0.0	C_SLU_STR_ENV	Combination	Max	244.7	460.6	79.0	0.4	47.8	3577.2
3746	0.4	C_SLU_STR_ENV	Combination	Max	244.7	461.5	79.0	0.4	37.8	3541.6
3746	0.7	C_SLU_STR_ENV	Combination	Max	244.7	462.3	79.0	0.4	27.9	3505.7
3746	1.1	C_SLU_STR_ENV	Combination	Max	244.7	463.2	79.0	0.4	19.8	3469.5
3746	0.0	C_SLU_STR_ENV	Combination	Min	-99.7	-315.2	-33.5	-0.8	-18.5	218.1
3746	0.4	C_SLU_STR_ENV	Combination	Min	-99.7	-314.3	-33.5	-0.8	-25.0	206.7
3746	0.7	C_SLU_STR_ENV	Combination	Min	-99.7	-313.4	-33.5	-0.8	-31.5	195.0
3746	1.1	C_SLU_STR_ENV	Combination	Min	-99.7	-312.6	-33.5	-0.8	-38.0	182.9
3747	0.0	C_SLU_STR_ENV	Combination	Max	230.9	502.4	127.0	0.8	19.4	3468.5
3747	0.3	C_SLU_STR_ENV	Combination	Max	230.9	503.0	127.0	0.8	9.5	3398.9
3747	0.0	C_SLU_STR_ENV	Combination	Min	-114.7	-291.2	-48.3	-2.0	-36.3	203.9
3747	0.3	C_SLU_STR_ENV	Combination	Min	-114.7	-290.6	-48.3	-2.0	-41.9	195.2
3748	0.0	C_SLU_STR_ENV	Combination	Max	248.9	417.1	31.1	0.6	12.2	3399.2
3748	0.4	C_SLU_STR_ENV	Combination	Max	248.9	418.1	31.1	0.6	34.8	3386.2
3748	0.8	C_SLU_STR_ENV	Combination	Max	248.9	419.1	31.1	0.6	61.1	3372.8
3748	0.0	C_SLU_STR_ENV	Combination	Min	-97.7	-369.0	-120.5	-0.8	-38.9	195.1
3748	0.4	C_SLU_STR_ENV	Combination	Min	-97.7	-368.0	-120.5	-0.8	-24.5	182.1
3748	0.8	C_SLU_STR_ENV	Combination	Min	-97.7	-367.0	-120.5	-0.8	-16.7	168.7
3749	0.0	C_SLU_STR_ENV	Combination	Max	207.7	449.7	25.2	0.4	14.6	3396.8
3749	0.4	C_SLU_STR_ENV	Combination	Max	207.7	450.6	25.2	0.4	21.7	3350.1
3749	0.7	C_SLU_STR_ENV	Combination	Max	207.7	451.4	25.2	0.4	37.0	3302.9
3749	1.1	C_SLU_STR_ENV	Combination	Max	207.7	452.3	25.2	0.4	52.3	3255.5
3749	0.0	C_SLU_STR_ENV	Combination	Min	-84.2	-325.3	-82.3	-0.9	-37.0	188.7
3749	0.4	C_SLU_STR_ENV	Combination	Min	-84.2	-324.4	-82.3	-0.9	-26.3	177.0
3749	0.7	C_SLU_STR_ENV	Combination	Min	-84.2	-323.5	-82.3	-0.9	-15.6	165.0
3749	1.1	C_SLU_STR_ENV	Combination	Min	-84.2	-322.6	-82.3	-0.9	-13.7	152.7
3750	0.0	C_SLU_STR_ENV	Combination	Max	178.5	496.1	27.9	2.3	18.9	3268.4
3750	0.1	C_SLU_STR_ENV	Combination	Max	178.5	496.4	27.9	2.3	15.8	3226.6

3750	0.0	C_SLU_STR_ENV	Combination	Min	-81.4	-275.3	-56.4	-5.0	-28.5	171.5
3750	0.1	C_SLU_STR_ENV	Combination	Min	-81.4	-275.0	-56.4	-5.0	-22.0	167.5
3751	0.0	C_SLU_STR_ENV	Combination	Max	178.5	496.4	27.9	0.4	15.8	3236.9
3751	0.5	C_SLU_STR_ENV	Combination	Max	178.5	497.6	27.9	0.4	22.8	3147.8
3751	1.0	C_SLU_STR_ENV	Combination	Max	178.5	498.7	27.9	0.4	34.3	3058.1
3751	0.0	C_SLU_STR_ENV	Combination	Min	-81.4	-275.0	-56.4	-0.5	-22.0	174.2
3751	0.5	C_SLU_STR_ENV	Combination	Min	-81.4	-273.8	-56.4	-0.5	-14.3	159.6
3751	1.0	C_SLU_STR_ENV	Combination	Min	-81.4	-272.7	-56.4	-0.5	-12.6	142.7
3752	0.0	C_SLU_STR_ENV	Combination	Max	163.8	548.5	41.2	0.2	26.2	3058.1
3752	0.4	C_SLU_STR_ENV	Combination	Max	163.8	549.4	41.2	0.2	25.7	2960.7
3752	0.7	C_SLU_STR_ENV	Combination	Max	163.8	550.2	41.2	0.2	25.8	2862.9
3752	1.1	C_SLU_STR_ENV	Combination	Max	163.8	551.1	41.2	0.2	25.9	2764.8
3752	0.0	C_SLU_STR_ENV	Combination	Min	-103.2	-224.1	-45.2	-0.6	-23.7	154.1
3752	0.4	C_SLU_STR_ENV	Combination	Min	-103.2	-223.2	-45.2	-0.6	-21.3	144.3
3752	0.7	C_SLU_STR_ENV	Combination	Min	-103.2	-222.3	-45.2	-0.6	-19.0	131.8
3752	1.1	C_SLU_STR_ENV	Combination	Min	-103.2	-221.5	-45.2	-0.6	-18.6	118.3
3753	0.0	C_SLU_STR_ENV	Combination	Max	181.5	600.4	76.0	0.1	37.2	2759.2
3753	0.5	C_SLU_STR_ENV	Combination	Max	181.5	601.5	76.0	0.1	26.9	2602.7
3753	0.9	C_SLU_STR_ENV	Combination	Max	181.5	602.6	76.0	0.1	18.1	2445.7
3753	0.0	C_SLU_STR_ENV	Combination	Min	-133.1	-186.9	-46.0	-0.6	-26.7	127.2
3753	0.5	C_SLU_STR_ENV	Combination	Min	-133.1	-185.8	-46.0	-0.6	-29.5	113.1
3753	0.9	C_SLU_STR_ENV	Combination	Min	-133.1	-184.7	-46.0	-0.6	-32.8	97.1
3754	0.0	C_SLU_STR_ENV	Combination	Max	231.3	522.8	25.8	1.5	32.9	2446.2
3754	0.2	C_SLU_STR_ENV	Combination	Max	231.3	523.2	25.8	1.5	43.2	2426.7
3754	0.0	C_SLU_STR_ENV	Combination	Min	-121.1	-284.2	-162.6	-1.0	-24.7	96.9
3754	0.2	C_SLU_STR_ENV	Combination	Min	-121.1	-283.8	-162.6	-1.0	-16.3	90.5
3755	0.0	C_SLU_STR_ENV	Combination	Max	189.3	553.1	15.7	0.2	9.0	2451.7
3755	0.4	C_SLU_STR_ENV	Combination	Max	189.3	554.0	15.7	0.2	19.7	2346.1
3755	0.7	C_SLU_STR_ENV	Combination	Max	189.3	554.8	15.7	0.2	40.0	2240.1
3755	1.1	C_SLU_STR_ENV	Combination	Max	189.3	555.7	15.7	0.2	60.2	2133.8
3755	0.0	C_SLU_STR_ENV	Combination	Min	-113.9	-227.4	-106.8	-0.5	-55.3	96.0
3755	0.4	C_SLU_STR_ENV	Combination	Min	-113.9	-226.5	-106.8	-0.5	-36.8	83.6
3755	0.7	C_SLU_STR_ENV	Combination	Min	-113.9	-225.6	-106.8	-0.5	-18.3	70.9
3755	1.1	C_SLU_STR_ENV	Combination	Min	-113.9	-224.8	-106.8	-0.5	-8.6	57.8
3756	0.0	C_SLU_STR_ENV	Combination	Max	131.9	612.0	15.3	0.2	9.5	2160.5
3756	0.4	C_SLU_STR_ENV	Combination	Max	131.9	612.8	15.3	0.2	17.7	2015.9

3756	0.7	C_SLU_STR_ENV	Combination	Max	131.9	613.7	15.3	0.2	31.9	1871.0
3756	1.1	C_SLU_STR_ENV	Combination	Max	131.9	614.6	15.3	0.2	46.0	1725.7
3756	0.0	C_SLU_STR_ENV	Combination	Min	-98.6	-148.1	-77.8	-0.6	-38.4	61.2
3756	0.4	C_SLU_STR_ENV	Combination	Min	-98.6	-147.2	-77.8	-0.6	-25.9	47.5
3756	0.7	C_SLU_STR_ENV	Combination	Min	-98.6	-146.3	-77.8	-0.6	-13.4	33.6
3756	1.1	C_SLU_STR_ENV	Combination	Min	-98.6	-145.4	-77.8	-0.6	-7.9	19.3
3757	0.0	C_SLU_STR_ENV	Combination	Max	81.8	696.8	20.9	0.2	11.9	1747.2
3757	0.4	C_SLU_STR_ENV	Combination	Max	81.8	697.7	20.9	0.2	18.5	1548.6
3757	0.7	C_SLU_STR_ENV	Combination	Max	81.8	698.6	20.9	0.2	26.8	1349.7
3757	1.1	C_SLU_STR_ENV	Combination	Max	81.8	699.5	20.9	0.2	35.1	1150.5
3757	0.0	C_SLU_STR_ENV	Combination	Min	-88.6	-47.2	-59.6	-0.6	-29.5	22.1
3757	0.4	C_SLU_STR_ENV	Combination	Min	-88.6	-46.4	-59.6	-0.6	-22.2	7.3
3757	0.7	C_SLU_STR_ENV	Combination	Min	-88.6	-45.5	-59.6	-0.6	-14.9	-9.3
3757	1.1	C_SLU_STR_ENV	Combination	Min	-88.6	-44.6	-59.6	-0.6	-10.9	-28.3
3758	0.0	C_SLU_STR_ENV	Combination	Max	38.3	810.8	30.5	0.2	18.5	1170.2
3758	0.4	C_SLU_STR_ENV	Combination	Max	38.3	811.6	30.5	0.2	20.9	907.0
3758	0.7	C_SLU_STR_ENV	Combination	Max	38.3	812.5	30.5	0.2	23.3	643.4
3758	1.1	C_SLU_STR_ENV	Combination	Max	38.3	813.4	30.5	0.2	26.0	379.6
3758	0.0	C_SLU_STR_ENV	Combination	Min	-81.3	27.5	-45.8	-0.6	-23.9	-29.6
3758	0.4	C_SLU_STR_ENV	Combination	Min	-81.3	28.4	-45.8	-0.6	-20.4	-48.9
3758	0.7	C_SLU_STR_ENV	Combination	Min	-81.3	29.2	-45.8	-0.6	-17.8	-68.5
3758	1.1	C_SLU_STR_ENV	Combination	Min	-81.3	30.1	-45.8	-0.6	-15.2	-88.4
3759	0.0	C_SLU_STR_ENV	Combination	Max	6.5	967.7	68.5	0.4	21.7	382.1
3759	0.5	C_SLU_STR_ENV	Combination	Max	6.5	968.9	68.5	0.4	12.1	1.9
3759	0.0	C_SLU_STR_ENV	Combination	Min	-77.2	38.5	-58.7	-0.5	-30.4	-77.1
3759	0.5	C_SLU_STR_ENV	Combination	Min	-77.2	39.6	-58.7	-0.5	-23.3	-186.7

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	m	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
3575	0.0	C_SL_FAT1_ENV	Combination	Max	13.5	44.0	2.6	0.1	12.7	12.9
3575	0.3	C_SL_FAT1_ENV	Combination	Max	13.5	44.0	2.6	0.1	14.7	9.7
3575	0.6	C_SL_FAT1_ENV	Combination	Max	13.5	44.0	2.6	0.1	16.7	7.5
3575	0.0	C_SL_FAT1_ENV	Combination	Min	-5.2	-2.0	-33.0	-0.1	-10.6	-9.9
3575	0.3	C_SL_FAT1_ENV	Combination	Min	-5.2	-2.0	-33.0	-0.1	-6.3	-14.8
3575	0.6	C_SL_FAT1_ENV	Combination	Min	-5.2	-2.0	-33.0	-0.1	-2.6	-19.8

3576	0.0	C_SL_FAT1_ENV	Combination	Max	4.9	1.7	37.9	0.0	16.8	9.2
3576	0.3	C_SL_FAT1_ENV	Combination	Max	4.9	1.7	37.9	0.0	14.9	10.8
3576	0.6	C_SL_FAT1_ENV	Combination	Max	4.9	1.7	37.9	0.0	12.9	13.1
3576	0.0	C_SL_FAT1_ENV	Combination	Min	-18.7	-47.4	-4.1	-0.2	-1.2	-24.3
3576	0.3	C_SL_FAT1_ENV	Combination	Min	-18.7	-47.4	-4.1	-0.2	-6.8	-17.7
3576	0.6	C_SL_FAT1_ENV	Combination	Min	-18.7	-47.4	-4.1	-0.2	-12.7	-11.0
3577	0.0	C_SL_FAT1_ENV	Combination	Max	19.1	102.9	48.5	0.1	18.8	17.0
3577	0.3	C_SL_FAT1_ENV	Combination	Max	19.1	102.9	48.5	0.1	13.1	14.3
3577	0.6	C_SL_FAT1_ENV	Combination	Max	19.1	102.9	48.5	0.1	7.4	11.6
3577	0.0	C_SL_FAT1_ENV	Combination	Min	-24.8	-1.5	-11.4	-0.2	-13.7	-16.3
3577	0.3	C_SL_FAT1_ENV	Combination	Min	-24.8	-1.5	-11.4	-0.2	-16.8	-37.5
3577	0.6	C_SL_FAT1_ENV	Combination	Min	-24.8	-1.5	-11.4	-0.2	-19.8	-58.8
3578	0.0	C_SL_FAT1_ENV	Combination	Max	26.4	1.0	13.1	0.2	8.3	12.6
3578	0.3	C_SL_FAT1_ENV	Combination	Max	26.4	1.0	13.1	0.2	12.9	15.9
3578	0.6	C_SL_FAT1_ENV	Combination	Max	26.4	1.0	13.1	0.2	17.6	19.3
3578	0.0	C_SL_FAT1_ENV	Combination	Min	-12.8	-98.8	-46.1	-0.1	-19.7	-55.3
3578	0.3	C_SL_FAT1_ENV	Combination	Min	-12.8	-98.8	-46.1	-0.1	-16.5	-36.8
3578	0.6	C_SL_FAT1_ENV	Combination	Min	-12.8	-98.8	-46.1	-0.1	-13.3	-18.4
3579	0.0	C_SL_FAT1_ENV	Combination	Max	11.2	41.5	0.4	0.2	7.2	19.4
3579	0.3	C_SL_FAT1_ENV	Combination	Max	11.2	41.5	0.4	0.2	8.8	16.9
3579	0.6	C_SL_FAT1_ENV	Combination	Max	11.2	41.5	0.4	0.2	10.3	14.3
3579	0.0	C_SL_FAT1_ENV	Combination	Min	-13.2	-1.3	-18.8	-0.1	-6.6	-9.7
3579	0.3	C_SL_FAT1_ENV	Combination	Min	-13.2	-1.3	-18.8	-0.1	-4.0	-16.6
3579	0.6	C_SL_FAT1_ENV	Combination	Min	-13.2	-1.3	-18.8	-0.1	-1.4	-23.5
3580	0.0	C_SL_FAT1_ENV	Combination	Max	9.0	2.2	16.0	0.1	9.2	15.4
3580	0.3	C_SL_FAT1_ENV	Combination	Max	9.0	2.2	16.0	0.1	8.4	17.4
3580	0.6	C_SL_FAT1_ENV	Combination	Max	9.0	2.2	16.0	0.1	7.6	19.4
3580	0.0	C_SL_FAT1_ENV	Combination	Min	-19.7	-42.6	-1.5	-0.2	-1.3	-24.8
3580	0.3	C_SL_FAT1_ENV	Combination	Min	-19.7	-42.6	-1.5	-0.2	-3.3	-17.1
3580	0.6	C_SL_FAT1_ENV	Combination	Min	-19.7	-42.6	-1.5	-0.2	-5.4	-9.3
3581	0.0	C_SL_FAT1_ENV	Combination	Max	4.4	5.7	8.8	0.1	5.1	15.8
3581	0.3	C_SL_FAT1_ENV	Combination	Max	4.4	5.7	8.8	0.1	3.5	16.1
3581	0.6	C_SL_FAT1_ENV	Combination	Max	4.4	5.7	8.8	0.1	2.1	16.5
3581	0.0	C_SL_FAT1_ENV	Combination	Min	-6.9	-4.0	-5.7	-0.1	-3.9	-3.7
3581	0.3	C_SL_FAT1_ENV	Combination	Min	-6.9	-4.0	-5.7	-0.1	-3.4	-3.8
3581	0.6	C_SL_FAT1_ENV	Combination	Min	-6.9	-4.0	-5.7	-0.1	-2.8	-3.8

3582	0.0	C_SL_FAT1_ENV	Combination	Max	4.1	2.9	4.5	0.1	4.7	14.1
3582	0.3	C_SL_FAT1_ENV	Combination	Max	4.1	2.9	4.5	0.1	4.5	14.3
3582	0.6	C_SL_FAT1_ENV	Combination	Max	4.1	2.9	4.5	0.1	4.2	14.4
3582	0.0	C_SL_FAT1_ENV	Combination	Min	-5.8	-5.7	-4.7	-0.2	-2.8	-3.0
3582	0.3	C_SL_FAT1_ENV	Combination	Min	-5.8	-5.7	-4.7	-0.2	-3.0	-3.1
3582	0.6	C_SL_FAT1_ENV	Combination	Min	-5.8	-5.7	-4.7	-0.2	-3.2	-3.1
3583	0.0	C_SL_FAT1_ENV	Combination	Max	22.7	131.0	23.8	0.1	10.6	29.8
3583	0.3	C_SL_FAT1_ENV	Combination	Max	22.7	131.0	23.8	0.1	7.9	22.2
3583	0.6	C_SL_FAT1_ENV	Combination	Max	22.7	131.0	23.8	0.1	5.7	16.6
3583	0.0	C_SL_FAT1_ENV	Combination	Min	-23.3	-2.1	-9.0	-0.2	-8.2	-25.3
3583	0.3	C_SL_FAT1_ENV	Combination	Min	-23.3	-2.1	-9.0	-0.2	-9.0	-47.7
3583	0.6	C_SL_FAT1_ENV	Combination	Min	-23.3	-2.1	-9.0	-0.2	-9.8	-70.1
3584	0.0	C_SL_FAT1_ENV	Combination	Max	24.1	1.8	4.3	0.1	5.4	17.3
3584	0.3	C_SL_FAT1_ENV	Combination	Max	24.1	1.8	4.3	0.1	7.6	23.3
3584	0.6	C_SL_FAT1_ENV	Combination	Max	24.1	1.8	4.3	0.1	10.1	31.7
3584	0.0	C_SL_FAT1_ENV	Combination	Min	-16.8	-128.6	-22.9	-0.1	-9.8	-67.9
3584	0.3	C_SL_FAT1_ENV	Combination	Min	-16.8	-128.6	-22.9	-0.1	-8.2	-47.1
3584	0.6	C_SL_FAT1_ENV	Combination	Min	-16.8	-128.6	-22.9	-0.1	-6.5	-26.3
3610	0.0	C_SL_FAT1_ENV	Combination	Max	4.3	6.3	77.9	0.1	17.2	7.6
3610	0.5	C_SL_FAT1_ENV	Combination	Max	4.3	6.3	77.9	0.1	4.0	113.1
3610	0.0	C_SL_FAT1_ENV	Combination	Min	-33.4	-231.1	-4.2	-0.2	-1.8	-19.9
3610	0.5	C_SL_FAT1_ENV	Combination	Min	-33.4	-231.1	-4.2	-0.2	-23.7	-11.2
3611	0.0	C_SL_FAT1_ENV	Combination	Max	11.6	6.6	52.2	0.1	25.5	118.8
3611	0.4	C_SL_FAT1_ENV	Combination	Max	11.6	6.6	52.2	0.1	17.9	197.7
3611	0.7	C_SL_FAT1_ENV	Combination	Max	11.6	6.6	52.2	0.1	10.2	276.6
3611	1.1	C_SL_FAT1_ENV	Combination	Max	11.6	6.6	52.2	0.1	2.6	355.6
3611	0.0	C_SL_FAT1_ENV	Combination	Min	-22.6	-228.1	-7.6	-0.1	-6.1	-13.9
3611	0.4	C_SL_FAT1_ENV	Combination	Min	-22.6	-228.1	-7.6	-0.1	-14.4	-15.2
3611	0.7	C_SL_FAT1_ENV	Combination	Min	-22.6	-228.1	-7.6	-0.1	-22.7	-16.5
3611	1.1	C_SL_FAT1_ENV	Combination	Min	-22.6	-228.1	-7.6	-0.1	-30.9	-17.8
3612	0.0	C_SL_FAT1_ENV	Combination	Max	20.2	6.5	32.2	0.1	13.2	363.6
3612	0.4	C_SL_FAT1_ENV	Combination	Max	20.2	6.5	32.2	0.1	11.3	440.7
3612	0.7	C_SL_FAT1_ENV	Combination	Max	20.2	6.5	32.2	0.1	9.4	517.7
3612	1.1	C_SL_FAT1_ENV	Combination	Max	20.2	6.5	32.2	0.1	7.5	594.8
3612	0.0	C_SL_FAT1_ENV	Combination	Min	-18.6	-222.8	-21.2	-0.1	-15.7	-16.7
3612	0.4	C_SL_FAT1_ENV	Combination	Min	-18.6	-222.8	-21.2	-0.1	-17.8	-18.5

3612	0.7	C_SL_FAT1_ENV	Combination	Min	-18.6	-222.8	-21.2	-0.1	-19.9	-20.3
3612	1.1	C_SL_FAT1_ENV	Combination	Min	-18.6	-222.8	-21.2	-0.1	-22.1	-22.1
3613	0.0	C_SL_FAT1_ENV	Combination	Max	21.6	6.4	12.3	0.1	3.3	608.0
3613	0.4	C_SL_FAT1_ENV	Combination	Max	21.6	6.4	12.3	0.1	8.2	680.9
3613	0.7	C_SL_FAT1_ENV	Combination	Max	21.6	6.4	12.3	0.1	13.1	753.8
3613	1.1	C_SL_FAT1_ENV	Combination	Max	21.6	6.4	12.3	0.1	18.0	826.8
3613	0.0	C_SL_FAT1_ENV	Combination	Min	-18.8	-214.8	-41.0	-0.1	-26.7	-21.1
3613	0.4	C_SL_FAT1_ENV	Combination	Min	-18.8	-214.8	-41.0	-0.1	-21.3	-22.9
3613	0.7	C_SL_FAT1_ENV	Combination	Min	-18.8	-214.8	-41.0	-0.1	-16.0	-24.7
3613	1.1	C_SL_FAT1_ENV	Combination	Min	-18.8	-214.8	-41.0	-0.1	-10.6	-26.5
3614	0.0	C_SL_FAT1_ENV	Combination	Max	17.4	6.1	3.1	0.2	1.4	842.0
3614	0.4	C_SL_FAT1_ENV	Combination	Max	17.4	6.1	3.1	0.2	13.6	908.2
3614	0.7	C_SL_FAT1_ENV	Combination	Max	17.4	6.1	3.1	0.2	25.9	974.4
3614	1.1	C_SL_FAT1_ENV	Combination	Max	17.4	6.1	3.1	0.2	38.2	1040.6
3614	0.0	C_SL_FAT1_ENV	Combination	Min	-23.5	-203.3	-70.1	-0.1	-37.7	-25.8
3614	0.4	C_SL_FAT1_ENV	Combination	Min	-23.5	-203.3	-70.1	-0.1	-25.8	-27.4
3614	0.7	C_SL_FAT1_ENV	Combination	Min	-23.5	-203.3	-70.1	-0.1	-13.8	-29.0
3614	1.1	C_SL_FAT1_ENV	Combination	Min	-23.5	-203.3	-70.1	-0.1	-1.9	-30.6
3615	0.0	C_SL_FAT1_ENV	Combination	Max	24.7	9.1	5.6	0.7	31.3	1044.4
3615	0.2	C_SL_FAT1_ENV	Combination	Max	24.7	9.1	5.6	0.7	37.9	1067.1
3615	0.0	C_SL_FAT1_ENV	Combination	Min	-21.0	-187.9	-116.5	-0.4	-6.9	-29.2
3615	0.2	C_SL_FAT1_ENV	Combination	Min	-21.0	-187.9	-116.5	-0.4	-2.6	-29.6
3616	0.0	C_SL_FAT1_ENV	Combination	Max	4.6	21.1	82.8	0.1	37.3	1066.8
3616	0.5	C_SL_FAT1_ENV	Combination	Max	4.6	21.1	82.8	0.1	20.6	1133.8
3616	0.9	C_SL_FAT1_ENV	Combination	Max	4.6	21.1	82.8	0.1	3.8	1200.7
3616	0.0	C_SL_FAT1_ENV	Combination	Min	-62.3	-172.7	-3.6	-0.2	-1.7	-29.5
3616	0.5	C_SL_FAT1_ENV	Combination	Min	-62.3	-172.7	-3.6	-0.2	-20.1	-30.1
3616	0.9	C_SL_FAT1_ENV	Combination	Min	-62.3	-172.7	-3.6	-0.2	-38.5	-30.7
3617	0.0	C_SL_FAT1_ENV	Combination	Max	3.5	29.0	45.8	0.1	20.9	1192.9
3617	0.4	C_SL_FAT1_ENV	Combination	Max	3.5	29.0	45.8	0.1	14.7	1238.1
3617	0.7	C_SL_FAT1_ENV	Combination	Max	3.5	29.0	45.8	0.1	8.6	1283.3
3617	1.1	C_SL_FAT1_ENV	Combination	Max	3.5	29.0	45.8	0.1	2.4	1328.6
3617	0.0	C_SL_FAT1_ENV	Combination	Min	-35.9	-162.4	-10.1	-0.1	-8.8	-29.0
3617	0.4	C_SL_FAT1_ENV	Combination	Min	-35.9	-162.4	-10.1	-0.1	-15.6	-29.1
3617	0.7	C_SL_FAT1_ENV	Combination	Min	-35.9	-162.4	-10.1	-0.1	-22.3	-29.1
3617	1.1	C_SL_FAT1_ENV	Combination	Min	-35.9	-162.4	-10.1	-0.1	-29.1	-29.2

3618	0.0	C_SL_FAT1_ENV	Combination	Max	9.0	35.7	18.6	0.2	5.7	1328.9
3618	0.5	C_SL_FAT1_ENV	Combination	Max	9.0	35.7	18.6	0.2	7.9	1380.6
3618	1.0	C_SL_FAT1_ENV	Combination	Max	9.0	35.7	18.6	0.2	10.0	1432.3
3618	0.0	C_SL_FAT1_ENV	Combination	Min	-25.8	-152.7	-31.7	-0.2	-21.6	-28.2
3618	0.5	C_SL_FAT1_ENV	Combination	Min	-25.8	-152.7	-31.7	-0.2	-17.5	-28.6
3618	1.0	C_SL_FAT1_ENV	Combination	Min	-25.8	-152.7	-31.7	-0.2	-13.3	-29.1
3619	0.0	C_SL_FAT1_ENV	Combination	Max	9.0	35.7	18.6	1.6	10.0	1434.2
3619	0.1	C_SL_FAT1_ENV	Combination	Max	9.0	35.7	18.6	1.6	13.8	1450.3
3619	0.0	C_SL_FAT1_ENV	Combination	Min	-25.8	-152.7	-31.7	-2.6	-13.3	-29.2
3619	0.1	C_SL_FAT1_ENV	Combination	Min	-25.8	-152.7	-31.7	-2.6	-15.5	-29.5
3620	0.0	C_SL_FAT1_ENV	Combination	Max	13.2	42.1	4.1	0.2	1.1	1458.1
3620	0.4	C_SL_FAT1_ENV	Combination	Max	13.2	42.1	4.1	0.2	10.3	1491.5
3620	0.7	C_SL_FAT1_ENV	Combination	Max	13.2	42.1	4.1	0.2	19.4	1524.8
3620	1.1	C_SL_FAT1_ENV	Combination	Max	13.2	42.1	4.1	0.2	28.5	1558.2
3620	0.0	C_SL_FAT1_ENV	Combination	Min	-28.4	-141.1	-59.6	-0.1	-36.8	-28.8
3620	0.4	C_SL_FAT1_ENV	Combination	Min	-28.4	-141.1	-59.6	-0.1	-26.5	-29.6
3620	0.7	C_SL_FAT1_ENV	Combination	Min	-28.4	-141.1	-59.6	-0.1	-16.2	-30.4
3620	1.1	C_SL_FAT1_ENV	Combination	Min	-28.4	-141.1	-59.6	-0.1	-6.0	-31.3
3621	0.0	C_SL_FAT1_ENV	Combination	Max	16.8	48.9	3.6	0.2	8.4	1568.5
3621	0.4	C_SL_FAT1_ENV	Combination	Max	16.8	48.9	3.6	0.2	25.5	1593.0
3621	0.8	C_SL_FAT1_ENV	Combination	Max	16.8	48.9	3.6	0.2	42.6	1617.5
3621	0.0	C_SL_FAT1_ENV	Combination	Min	-33.8	-127.1	-96.7	-0.2	-37.4	-31.1
3621	0.4	C_SL_FAT1_ENV	Combination	Min	-33.8	-127.1	-96.7	-0.2	-19.8	-31.6
3621	0.8	C_SL_FAT1_ENV	Combination	Min	-33.8	-127.1	-96.7	-0.2	-2.4	-32.1
3622	0.0	C_SL_FAT1_ENV	Combination	Max	4.2	58.3	113.6	0.6	40.3	1617.7
3622	0.3	C_SL_FAT1_ENV	Combination	Max	4.2	58.3	113.6	0.6	30.9	1638.0
3622	0.0	C_SL_FAT1_ENV	Combination	Min	-83.2	-113.9	-4.0	-0.2	-2.0	-32.1
3622	0.3	C_SL_FAT1_ENV	Combination	Min	-83.2	-113.9	-4.0	-0.2	-7.5	-32.3
3623	0.0	C_SL_FAT1_ENV	Combination	Max	3.3	71.1	71.8	0.0	40.0	1627.2
3623	0.4	C_SL_FAT1_ENV	Combination	Max	3.3	71.1	71.8	0.0	27.9	1636.9
3623	0.7	C_SL_FAT1_ENV	Combination	Max	3.3	71.1	71.8	0.0	15.7	1646.5
3623	1.1	C_SL_FAT1_ENV	Combination	Max	3.3	71.1	71.8	0.0	3.6	1656.2
3623	0.0	C_SL_FAT1_ENV	Combination	Min	-58.8	-101.8	-2.3	-0.3	-2.2	-31.3
3623	0.4	C_SL_FAT1_ENV	Combination	Min	-58.8	-101.8	-2.3	-0.3	-14.3	-31.0
3623	0.7	C_SL_FAT1_ENV	Combination	Min	-58.8	-101.8	-2.3	-0.3	-26.4	-30.7
3623	1.1	C_SL_FAT1_ENV	Combination	Min	-58.8	-101.8	-2.3	-0.3	-38.5	-30.4

3624	0.0	C_SL_FAT1_ENV	Combination	Max	2.6	83.0	38.5	0.0	16.2	1646.9
3624	0.4	C_SL_FAT1_ENV	Combination	Max	2.6	83.0	38.5	0.0	11.9	1649.8
3624	0.8	C_SL_FAT1_ENV	Combination	Max	2.6	83.0	38.5	0.0	7.6	1652.7
3624	1.1	C_SL_FAT1_ENV	Combination	Max	2.6	83.0	38.5	0.0	3.4	1655.6
3624	0.0	C_SL_FAT1_ENV	Combination	Min	-36.8	-91.6	-12.9	-0.2	-13.0	-29.7
3624	0.4	C_SL_FAT1_ENV	Combination	Min	-36.8	-91.6	-12.9	-0.2	-18.3	-29.3
3624	0.8	C_SL_FAT1_ENV	Combination	Min	-36.8	-91.6	-12.9	-0.2	-23.6	-28.8
3624	1.1	C_SL_FAT1_ENV	Combination	Min	-36.8	-91.6	-12.9	-0.2	-29.0	-28.4
3625	0.0	C_SL_FAT1_ENV	Combination	Max	8.2	93.5	11.9	0.1	3.5	1659.7
3625	0.4	C_SL_FAT1_ENV	Combination	Max	8.2	93.5	11.9	0.1	7.7	1655.8
3625	0.8	C_SL_FAT1_ENV	Combination	Max	8.2	93.5	11.9	0.1	11.9	1651.9
3625	1.1	C_SL_FAT1_ENV	Combination	Max	8.2	93.5	11.9	0.1	16.1	1648.0
3625	0.0	C_SL_FAT1_ENV	Combination	Min	-28.9	-81.3	-38.7	-0.1	-29.2	-28.3
3625	0.4	C_SL_FAT1_ENV	Combination	Min	-28.9	-81.3	-38.7	-0.1	-23.7	-28.9
3625	0.8	C_SL_FAT1_ENV	Combination	Min	-28.9	-81.3	-38.7	-0.1	-18.1	-29.5
3625	1.1	C_SL_FAT1_ENV	Combination	Min	-28.9	-81.3	-38.7	-0.1	-12.6	-30.1
3626	0.0	C_SL_FAT1_ENV	Combination	Max	14.1	103.9	3.1	0.1	3.0	1664.0
3626	0.4	C_SL_FAT1_ENV	Combination	Max	14.1	103.9	3.1	0.1	15.1	1652.4
3626	0.7	C_SL_FAT1_ENV	Combination	Max	14.1	103.9	3.1	0.1	27.2	1640.8
3626	1.1	C_SL_FAT1_ENV	Combination	Max	14.1	103.9	3.1	0.1	39.3	1629.2
3626	0.0	C_SL_FAT1_ENV	Combination	Min	-32.8	-69.3	-72.0	-0.1	-39.1	-30.7
3626	0.4	C_SL_FAT1_ENV	Combination	Min	-32.8	-69.3	-72.0	-0.1	-26.7	-31.2
3626	0.7	C_SL_FAT1_ENV	Combination	Min	-32.8	-69.3	-72.0	-0.1	-14.3	-31.7
3626	1.1	C_SL_FAT1_ENV	Combination	Min	-32.8	-69.3	-72.0	-0.1	-1.9	-32.2
3627	0.0	C_SL_FAT1_ENV	Combination	Max	20.4	115.8	4.3	0.2	29.2	1643.7
3627	0.3	C_SL_FAT1_ENV	Combination	Max	20.4	115.8	4.3	0.2	38.7	1622.6
3627	0.0	C_SL_FAT1_ENV	Combination	Min	-29.2	-56.1	-113.4	-0.8	-9.9	-33.1
3627	0.3	C_SL_FAT1_ENV	Combination	Min	-29.2	-56.1	-113.4	-0.8	-1.8	-33.1
3628	0.0	C_SL_FAT1_ENV	Combination	Max	4.3	128.4	93.0	0.1	41.7	1622.9
3628	0.4	C_SL_FAT1_ENV	Combination	Max	4.3	128.4	93.0	0.1	25.9	1595.4
3628	0.8	C_SL_FAT1_ENV	Combination	Max	4.3	128.4	93.0	0.1	10.1	1568.0
3628	0.0	C_SL_FAT1_ENV	Combination	Min	-73.7	-46.3	-3.3	-0.3	-1.9	-33.2
3628	0.4	C_SL_FAT1_ENV	Combination	Min	-73.7	-46.3	-3.3	-0.3	-18.7	-32.9
3628	0.8	C_SL_FAT1_ENV	Combination	Min	-73.7	-46.3	-3.3	-0.3	-35.6	-32.7
3629	0.0	C_SL_FAT1_ENV	Combination	Max	3.0	142.6	57.8	0.1	27.8	1563.9
3629	0.4	C_SL_FAT1_ENV	Combination	Max	3.0	142.6	57.8	0.1	19.3	1528.7

3629	0.7	C_SL_FAT1_ENV	Combination	Max	3.0	142.6	57.8	0.1	10.7	1493.6
3629	1.1	C_SL_FAT1_ENV	Combination	Max	3.0	142.6	57.8	0.1	2.2	1458.5
3629	0.0	C_SL_FAT1_ENV	Combination	Min	-47.3	-39.0	-5.4	-0.4	-7.0	-33.1
3629	0.4	C_SL_FAT1_ENV	Combination	Min	-47.3	-39.0	-5.4	-0.4	-16.6	-32.5
3629	0.7	C_SL_FAT1_ENV	Combination	Min	-47.3	-39.0	-5.4	-0.4	-26.2	-31.8
3629	1.1	C_SL_FAT1_ENV	Combination	Min	-47.3	-39.0	-5.4	-0.4	-35.8	-31.2
3630	0.0	C_SL_FAT1_ENV	Combination	Max	4.7	154.9	31.3	2.5	13.6	1459.2
3630	0.1	C_SL_FAT1_ENV	Combination	Max	4.7	154.9	31.3	2.5	10.1	1442.8
3630	0.0	C_SL_FAT1_ENV	Combination	Min	-30.7	-32.8	-19.6	-1.7	-15.9	-32.1
3630	0.1	C_SL_FAT1_ENV	Combination	Min	-30.7	-32.8	-19.6	-1.7	-13.6	-31.8
3631	0.0	C_SL_FAT1_ENV	Combination	Max	4.7	154.9	31.3	0.1	10.1	1441.7
3631	0.5	C_SL_FAT1_ENV	Combination	Max	4.7	154.9	31.3	0.1	8.3	1387.6
3631	1.0	C_SL_FAT1_ENV	Combination	Max	4.7	154.9	31.3	0.1	6.5	1333.5
3631	0.0	C_SL_FAT1_ENV	Combination	Min	-30.7	-32.8	-19.6	-0.3	-13.6	-31.8
3631	0.5	C_SL_FAT1_ENV	Combination	Min	-30.7	-32.8	-19.6	-0.3	-17.4	-31.3
3631	1.0	C_SL_FAT1_ENV	Combination	Min	-30.7	-32.8	-19.6	-0.3	-21.2	-30.9
3632	0.0	C_SL_FAT1_ENV	Combination	Max	10.8	165.6	9.4	0.1	2.7	1343.6
3632	0.4	C_SL_FAT1_ENV	Combination	Max	10.8	165.6	9.4	0.1	8.6	1296.7
3632	0.7	C_SL_FAT1_ENV	Combination	Max	10.8	165.6	9.4	0.1	14.5	1249.7
3632	1.1	C_SL_FAT1_ENV	Combination	Max	10.8	165.6	9.4	0.1	20.4	1202.8
3632	0.0	C_SL_FAT1_ENV	Combination	Min	-25.6	-26.0	-45.0	-0.1	-28.7	-32.1
3632	0.4	C_SL_FAT1_ENV	Combination	Min	-25.6	-26.0	-45.0	-0.1	-21.8	-32.0
3632	0.7	C_SL_FAT1_ENV	Combination	Min	-25.6	-26.0	-45.0	-0.1	-15.0	-31.9
3632	1.1	C_SL_FAT1_ENV	Combination	Min	-25.6	-26.0	-45.0	-0.1	-8.1	-31.9
3633	0.0	C_SL_FAT1_ENV	Combination	Max	13.6	176.7	4.2	0.1	3.5	1217.9
3633	0.5	C_SL_FAT1_ENV	Combination	Max	13.6	176.7	4.2	0.1	19.5	1148.2
3633	0.9	C_SL_FAT1_ENV	Combination	Max	13.6	176.7	4.2	0.1	35.5	1078.5
3633	0.0	C_SL_FAT1_ENV	Combination	Min	-27.5	-17.7	-80.4	-0.2	-38.1	-33.5
3633	0.5	C_SL_FAT1_ENV	Combination	Min	-27.5	-17.7	-80.4	-0.2	-20.1	-33.0
3633	0.9	C_SL_FAT1_ENV	Combination	Min	-27.5	-17.7	-80.4	-0.2	-2.1	-32.4
3634	0.0	C_SL_FAT1_ENV	Combination	Max	7.7	190.6	113.2	0.3	36.6	1078.7
3634	0.2	C_SL_FAT1_ENV	Combination	Max	7.7	190.6	113.2	0.3	31.3	1055.0
3634	0.0	C_SL_FAT1_ENV	Combination	Min	-76.4	-5.5	-7.2	-0.6	-2.0	-32.6
3634	0.2	C_SL_FAT1_ENV	Combination	Min	-76.4	-5.5	-7.2	-0.6	-5.4	-32.2
3635	0.0	C_SL_FAT1_ENV	Combination	Max	4.2	207.0	69.7	0.1	37.9	1054.9
3635	0.4	C_SL_FAT1_ENV	Combination	Max	4.2	207.0	69.7	0.1	26.3	985.6

3635	0.7	C_SL_FAT1_ENV	Combination	Max	4.2	207.0	69.7	0.1	14.6	916.3
3635	1.1	C_SL_FAT1_ENV	Combination	Max	4.2	207.0	69.7	0.1	3.0	846.9
3635	0.0	C_SL_FAT1_ENV	Combination	Min	-53.3	-6.2	-4.3	-0.2	-1.9	-33.9
3635	0.4	C_SL_FAT1_ENV	Combination	Min	-53.3	-6.2	-4.3	-0.2	-13.8	-32.5
3635	0.7	C_SL_FAT1_ENV	Combination	Min	-53.3	-6.2	-4.3	-0.2	-25.7	-31.0
3635	1.1	C_SL_FAT1_ENV	Combination	Min	-53.3	-6.2	-4.3	-0.2	-37.7	-29.6
3636	0.0	C_SL_FAT1_ENV	Combination	Max	11.3	219.8	41.3	0.1	18.1	838.9
3636	0.4	C_SL_FAT1_ENV	Combination	Max	11.3	219.8	41.3	0.1	13.5	762.6
3636	0.7	C_SL_FAT1_ENV	Combination	Max	11.3	219.8	41.3	0.1	8.8	686.3
3636	1.1	C_SL_FAT1_ENV	Combination	Max	11.3	219.8	41.3	0.1	4.1	610.1
3636	0.0	C_SL_FAT1_ENV	Combination	Min	-28.0	-6.8	-13.7	-0.2	-11.1	-30.7
3636	0.4	C_SL_FAT1_ENV	Combination	Min	-28.0	-6.8	-13.7	-0.2	-16.4	-29.0
3636	0.7	C_SL_FAT1_ENV	Combination	Min	-28.0	-6.8	-13.7	-0.2	-21.7	-27.3
3636	1.1	C_SL_FAT1_ENV	Combination	Min	-28.0	-6.8	-13.7	-0.2	-27.1	-25.6
3637	0.0	C_SL_FAT1_ENV	Combination	Max	20.4	228.7	20.8	0.1	7.4	606.5
3637	0.4	C_SL_FAT1_ENV	Combination	Max	20.4	228.7	20.8	0.1	9.3	526.2
3637	0.7	C_SL_FAT1_ENV	Combination	Max	20.4	228.7	20.8	0.1	11.1	446.0
3637	1.1	C_SL_FAT1_ENV	Combination	Max	20.4	228.7	20.8	0.1	12.9	365.8
3637	0.0	C_SL_FAT1_ENV	Combination	Min	-14.7	-7.4	-31.7	-0.1	-21.9	-26.7
3637	0.4	C_SL_FAT1_ENV	Combination	Min	-14.7	-7.4	-31.7	-0.1	-19.8	-24.9
3637	0.7	C_SL_FAT1_ENV	Combination	Min	-14.7	-7.4	-31.7	-0.1	-17.7	-23.1
3637	1.1	C_SL_FAT1_ENV	Combination	Min	-14.7	-7.4	-31.7	-0.1	-15.6	-21.2
3638	0.0	C_SL_FAT1_ENV	Combination	Max	26.4	235.0	6.3	0.1	2.5	365.5
3638	0.4	C_SL_FAT1_ENV	Combination	Max	26.4	235.0	6.3	0.1	10.0	283.8
3638	0.7	C_SL_FAT1_ENV	Combination	Max	26.4	235.0	6.3	0.1	17.4	202.1
3638	1.1	C_SL_FAT1_ENV	Combination	Max	26.4	235.0	6.3	0.1	24.9	120.3
3638	0.0	C_SL_FAT1_ENV	Combination	Min	-9.3	-8.0	-51.5	-0.1	-30.9	-22.1
3638	0.4	C_SL_FAT1_ENV	Combination	Min	-9.3	-8.0	-51.5	-0.1	-22.3	-20.8
3638	0.7	C_SL_FAT1_ENV	Combination	Min	-9.3	-8.0	-51.5	-0.1	-13.8	-19.4
3638	1.1	C_SL_FAT1_ENV	Combination	Min	-9.3	-8.0	-51.5	-0.1	-5.2	-18.1
3639	0.0	C_SL_FAT1_ENV	Combination	Max	32.0	239.1	6.6	0.3	4.2	117.6
3639	0.5	C_SL_FAT1_ENV	Combination	Max	32.0	239.1	6.6	0.3	18.0	9.4
3639	0.0	C_SL_FAT1_ENV	Combination	Min	-6.9	-7.7	-78.7	-0.2	-24.6	-14.5
3639	0.5	C_SL_FAT1_ENV	Combination	Min	-6.9	-7.7	-78.7	-0.2	-4.4	-24.3
3640	0.0	C_SL_FAT1_ENV	Combination	Max	44.9	1.1	30.2	0.3	7.9	11.5
3640	0.5	C_SL_FAT1_ENV	Combination	Max	44.9	1.1	30.2	0.3	30.1	164.2

3640	0.0	C_SL_FAT1_ENV	Combination	Min	-23.7	-350.7	-96.7	-0.1	-21.5	-58.8
3640	0.5	C_SL_FAT1_ENV	Combination	Min	-23.7	-350.7	-96.7	-0.1	-11.7	-31.6
3641	0.0	C_SL_FAT1_ENV	Combination	Max	33.6	2.8	26.8	0.2	14.3	182.2
3641	0.4	C_SL_FAT1_ENV	Combination	Max	33.6	2.8	26.8	0.2	19.6	282.4
3641	0.7	C_SL_FAT1_ENV	Combination	Max	33.6	2.8	26.8	0.2	27.1	382.6
3641	1.1	C_SL_FAT1_ENV	Combination	Max	33.6	2.8	26.8	0.2	34.6	482.7
3641	0.0	C_SL_FAT1_ENV	Combination	Min	-42.6	-308.0	-61.0	-0.1	-31.6	-38.3
3641	0.4	C_SL_FAT1_ENV	Combination	Min	-42.6	-308.0	-61.0	-0.1	-24.7	-37.0
3641	0.7	C_SL_FAT1_ENV	Combination	Min	-42.6	-308.0	-61.0	-0.1	-17.8	-35.7
3641	1.1	C_SL_FAT1_ENV	Combination	Min	-42.6	-308.0	-61.0	-0.1	-14.8	-34.4
3642	0.0	C_SL_FAT1_ENV	Combination	Max	31.9	21.7	32.0	0.2	18.7	489.2
3642	0.4	C_SL_FAT1_ENV	Combination	Max	31.9	21.7	32.0	0.2	21.0	567.6
3642	0.7	C_SL_FAT1_ENV	Combination	Max	31.9	21.7	32.0	0.2	23.4	646.0
3642	1.1	C_SL_FAT1_ENV	Combination	Max	31.9	21.7	32.0	0.2	25.8	724.4
3642	0.0	C_SL_FAT1_ENV	Combination	Min	-55.1	-270.6	-44.1	-0.1	-22.0	-33.5
3642	0.4	C_SL_FAT1_ENV	Combination	Min	-55.1	-270.6	-44.1	-0.1	-20.1	-32.4
3642	0.7	C_SL_FAT1_ENV	Combination	Min	-55.1	-270.6	-44.1	-0.1	-18.1	-31.3
3642	1.1	C_SL_FAT1_ENV	Combination	Min	-55.1	-270.6	-44.1	-0.1	-16.1	-30.2
3643	0.0	C_SL_FAT1_ENV	Combination	Max	37.6	52.1	44.4	0.1	27.0	718.1
3643	0.4	C_SL_FAT1_ENV	Combination	Max	37.6	52.1	44.4	0.1	24.5	778.4
3643	0.7	C_SL_FAT1_ENV	Combination	Max	37.6	52.1	44.4	0.1	22.0	838.7
3643	1.1	C_SL_FAT1_ENV	Combination	Max	37.6	52.1	44.4	0.1	19.5	899.0
3643	0.0	C_SL_FAT1_ENV	Combination	Min	-49.7	-241.0	-33.8	-0.1	-18.9	-29.5
3643	0.4	C_SL_FAT1_ENV	Combination	Min	-49.7	-241.0	-33.8	-0.1	-18.3	-28.5
3643	0.7	C_SL_FAT1_ENV	Combination	Min	-49.7	-241.0	-33.8	-0.1	-20.0	-27.5
3643	1.1	C_SL_FAT1_ENV	Combination	Min	-49.7	-241.0	-33.8	-0.1	-21.8	-26.6
3644	0.0	C_SL_FAT1_ENV	Combination	Max	52.6	77.7	69.5	0.1	38.6	882.3
3644	0.4	C_SL_FAT1_ENV	Combination	Max	52.6	77.7	69.5	0.1	31.7	932.3
3644	0.7	C_SL_FAT1_ENV	Combination	Max	52.6	77.7	69.5	0.1	25.7	982.4
3644	1.1	C_SL_FAT1_ENV	Combination	Max	52.6	77.7	69.5	0.1	25.9	1032.5
3644	0.0	C_SL_FAT1_ENV	Combination	Min	-28.8	-222.1	-48.8	-0.2	-26.9	-25.9
3644	0.4	C_SL_FAT1_ENV	Combination	Min	-28.8	-222.1	-48.8	-0.2	-26.0	-25.1
3644	0.7	C_SL_FAT1_ENV	Combination	Min	-28.8	-222.1	-48.8	-0.2	-30.2	-24.2
3644	1.1	C_SL_FAT1_ENV	Combination	Min	-28.8	-222.1	-48.8	-0.2	-36.5	-23.3
3645	0.0	C_SL_FAT1_ENV	Combination	Max	52.9	95.2	113.4	0.1	23.2	1027.5
3645	0.2	C_SL_FAT1_ENV	Combination	Max	52.9	95.2	113.4	0.1	27.0	1042.0

3645	0.0	C_SL_FAT1_ENV	Combination	Min	-13.9	-211.4	-92.4	-1.2	-24.8	-22.9
3645	0.2	C_SL_FAT1_ENV	Combination	Min	-13.9	-211.4	-92.4	-1.2	-26.2	-22.5
3646	0.0	C_SL_FAT1_ENV	Combination	Max	79.4	65.8	61.7	0.3	27.1	1042.2
3646	0.5	C_SL_FAT1_ENV	Combination	Max	79.4	65.8	61.7	0.3	27.9	1117.1
3646	0.9	C_SL_FAT1_ENV	Combination	Max	79.4	65.8	61.7	0.3	38.8	1191.9
3646	0.0	C_SL_FAT1_ENV	Combination	Min	-62.4	-236.6	-77.8	-0.1	-32.5	-22.5
3646	0.5	C_SL_FAT1_ENV	Combination	Min	-62.4	-236.6	-77.8	-0.1	-26.8	-21.7
3646	0.9	C_SL_FAT1_ENV	Combination	Min	-62.4	-236.6	-77.8	-0.1	-30.9	-20.8
3647	0.0	C_SL_FAT1_ENV	Combination	Max	48.5	78.4	36.8	0.1	18.9	1209.1
3647	0.4	C_SL_FAT1_ENV	Combination	Max	48.5	78.4	36.8	0.1	22.0	1254.9
3647	0.7	C_SL_FAT1_ENV	Combination	Max	48.5	78.4	36.8	0.1	25.5	1300.8
3647	1.1	C_SL_FAT1_ENV	Combination	Max	48.5	78.4	36.8	0.1	29.1	1346.6
3647	0.0	C_SL_FAT1_ENV	Combination	Min	-55.2	-216.6	-47.0	-0.1	-22.0	-20.7
3647	0.4	C_SL_FAT1_ENV	Combination	Min	-55.2	-216.6	-47.0	-0.1	-20.1	-20.0
3647	0.7	C_SL_FAT1_ENV	Combination	Min	-55.2	-216.6	-47.0	-0.1	-19.1	-19.4
3647	1.1	C_SL_FAT1_ENV	Combination	Min	-55.2	-216.6	-47.0	-0.1	-21.2	-18.8
3648	0.0	C_SL_FAT1_ENV	Combination	Max	40.2	96.6	37.6	0.3	22.8	1347.5
3648	0.5	C_SL_FAT1_ENV	Combination	Max	40.2	96.6	37.6	0.3	20.0	1388.1
3648	1.0	C_SL_FAT1_ENV	Combination	Max	40.2	96.6	37.6	0.3	17.2	1428.6
3648	0.0	C_SL_FAT1_ENV	Combination	Min	-44.9	-195.3	-33.7	-0.3	-16.6	-18.7
3648	0.5	C_SL_FAT1_ENV	Combination	Min	-44.9	-195.3	-33.7	-0.3	-15.2	-18.0
3648	1.0	C_SL_FAT1_ENV	Combination	Min	-44.9	-195.3	-33.7	-0.3	-14.7	-17.2
3649	0.0	C_SL_FAT1_ENV	Combination	Max	40.2	96.6	37.6	3.1	17.2	1428.8
3649	0.1	C_SL_FAT1_ENV	Combination	Max	40.2	96.6	37.6	3.1	21.2	1446.0
3649	0.0	C_SL_FAT1_ENV	Combination	Min	-44.9	-195.3	-33.7	-2.8	-14.7	-17.3
3649	0.1	C_SL_FAT1_ENV	Combination	Min	-44.9	-195.3	-33.7	-2.8	-19.1	-17.1
3650	0.0	C_SL_FAT1_ENV	Combination	Max	49.1	115.1	59.7	0.2	37.5	1431.1
3650	0.4	C_SL_FAT1_ENV	Combination	Max	49.1	115.1	59.7	0.2	31.9	1452.5
3650	0.7	C_SL_FAT1_ENV	Combination	Max	49.1	115.1	59.7	0.2	26.3	1473.8
3650	1.1	C_SL_FAT1_ENV	Combination	Max	49.1	115.1	59.7	0.2	24.3	1495.1
3650	0.0	C_SL_FAT1_ENV	Combination	Min	-26.9	-177.3	-47.0	-0.3	-27.3	-16.9
3650	0.4	C_SL_FAT1_ENV	Combination	Min	-26.9	-177.3	-47.0	-0.3	-24.4	-16.5
3650	0.7	C_SL_FAT1_ENV	Combination	Min	-26.9	-177.3	-47.0	-0.3	-24.3	-16.0
3650	1.1	C_SL_FAT1_ENV	Combination	Min	-26.9	-177.3	-47.0	-0.3	-27.5	-15.5
3651	0.0	C_SL_FAT1_ENV	Combination	Max	61.4	131.4	91.4	0.1	42.8	1473.0
3651	0.4	C_SL_FAT1_ENV	Combination	Max	61.4	131.4	91.4	0.1	31.8	1485.3

3651	0.8	C_SL_FAT1_ENV	Combination	Max	61.4	131.4	91.4	0.1	32.1	1497.5
3651	0.0	C_SL_FAT1_ENV	Combination	Min	-9.6	-165.7	-77.8	-0.6	-35.3	-15.3
3651	0.4	C_SL_FAT1_ENV	Combination	Min	-9.6	-165.7	-77.8	-0.6	-28.4	-14.8
3651	0.8	C_SL_FAT1_ENV	Combination	Min	-9.6	-165.7	-77.8	-0.6	-32.2	-14.2
3652	0.0	C_SL_FAT1_ENV	Combination	Max	97.1	111.2	99.9	1.5	30.6	1498.2
3652	0.3	C_SL_FAT1_ENV	Combination	Max	97.1	111.2	99.9	1.5	25.7	1526.9
3652	0.0	C_SL_FAT1_ENV	Combination	Min	-65.1	-188.2	-108.0	-0.1	-30.6	-14.2
3652	0.3	C_SL_FAT1_ENV	Combination	Min	-65.1	-188.2	-108.0	-0.1	-28.1	-13.9
3653	0.0	C_SL_FAT1_ENV	Combination	Max	68.6	120.3	56.9	0.2	30.7	1536.4
3653	0.4	C_SL_FAT1_ENV	Combination	Max	68.6	120.3	56.9	0.2	29.4	1554.7
3653	0.7	C_SL_FAT1_ENV	Combination	Max	68.6	120.3	56.9	0.2	34.5	1573.1
3653	1.1	C_SL_FAT1_ENV	Combination	Max	68.6	120.3	56.9	0.2	41.2	1591.4
3653	0.0	C_SL_FAT1_ENV	Combination	Min	-54.4	-174.3	-70.5	-0.2	-35.2	-13.9
3653	0.4	C_SL_FAT1_ENV	Combination	Min	-54.4	-174.3	-70.5	-0.2	-30.1	-13.5
3653	0.7	C_SL_FAT1_ENV	Combination	Min	-54.4	-174.3	-70.5	-0.2	-28.9	-13.1
3653	1.1	C_SL_FAT1_ENV	Combination	Min	-54.4	-174.3	-70.5	-0.2	-31.5	-12.8
3654	0.0	C_SL_FAT1_ENV	Combination	Max	43.8	133.6	33.6	0.1	21.6	1605.1
3654	0.4	C_SL_FAT1_ENV	Combination	Max	43.8	133.6	33.6	0.1	24.8	1612.4
3654	0.8	C_SL_FAT1_ENV	Combination	Max	43.8	133.6	33.6	0.1	28.0	1619.6
3654	1.1	C_SL_FAT1_ENV	Combination	Max	43.8	133.6	33.6	0.1	31.2	1626.9
3654	0.0	C_SL_FAT1_ENV	Combination	Min	-47.7	-154.7	-43.1	-0.2	-19.8	-12.8
3654	0.4	C_SL_FAT1_ENV	Combination	Min	-47.7	-154.7	-43.1	-0.2	-18.5	-12.5
3654	0.8	C_SL_FAT1_ENV	Combination	Min	-47.7	-154.7	-43.1	-0.2	-18.8	-12.3
3654	1.1	C_SL_FAT1_ENV	Combination	Min	-47.7	-154.7	-43.1	-0.2	-20.9	-12.0
3655	0.0	C_SL_FAT1_ENV	Combination	Max	41.7	152.8	42.9	0.1	31.2	1622.9
3655	0.4	C_SL_FAT1_ENV	Combination	Max	41.7	152.8	42.9	0.1	28.1	1616.4
3655	0.8	C_SL_FAT1_ENV	Combination	Max	41.7	152.8	42.9	0.1	25.0	1610.0
3655	1.1	C_SL_FAT1_ENV	Combination	Max	41.7	152.8	42.9	0.1	22.0	1603.6
3655	0.0	C_SL_FAT1_ENV	Combination	Min	-36.8	-135.0	-34.4	-0.3	-21.3	-11.8
3655	0.4	C_SL_FAT1_ENV	Combination	Min	-36.8	-135.0	-34.4	-0.3	-18.9	-12.2
3655	0.8	C_SL_FAT1_ENV	Combination	Min	-36.8	-135.0	-34.4	-0.3	-18.3	-12.5
3655	1.1	C_SL_FAT1_ENV	Combination	Min	-36.8	-135.0	-34.4	-0.3	-19.3	-12.9
3656	0.0	C_SL_FAT1_ENV	Combination	Max	57.1	172.1	70.7	0.1	41.4	1583.4
3656	0.4	C_SL_FAT1_ENV	Combination	Max	57.1	172.1	70.7	0.1	34.7	1567.1
3656	0.7	C_SL_FAT1_ENV	Combination	Max	57.1	172.1	70.7	0.1	29.6	1550.8
3656	1.1	C_SL_FAT1_ENV	Combination	Max	57.1	172.1	70.7	0.1	31.0	1534.5

3656	0.0	C_SL_FAT1_ENV	Combination	Min	-16.3	-121.9	-57.6	-0.3	-31.8	-12.9
3656	0.4	C_SL_FAT1_ENV	Combination	Min	-16.3	-121.9	-57.6	-0.3	-29.1	-13.3
3656	0.7	C_SL_FAT1_ENV	Combination	Min	-16.3	-121.9	-57.6	-0.3	-30.3	-13.6
3656	1.1	C_SL_FAT1_ENV	Combination	Min	-16.3	-121.9	-57.6	-0.3	-35.3	-14.0
3657	0.0	C_SL_FAT1_ENV	Combination	Max	63.1	186.4	108.3	0.1	23.5	1521.6
3657	0.3	C_SL_FAT1_ENV	Combination	Max	63.1	186.4	108.3	0.1	29.2	1495.1
3657	0.0	C_SL_FAT1_ENV	Combination	Min	-9.6	-113.5	-99.4	-1.6	-29.9	-14.1
3657	0.3	C_SL_FAT1_ENV	Combination	Min	-9.6	-113.5	-99.4	-1.6	-30.6	-14.4
3658	0.0	C_SL_FAT1_ENV	Combination	Max	91.7	164.5	77.7	0.4	32.6	1495.6
3658	0.4	C_SL_FAT1_ENV	Combination	Max	91.7	164.5	77.7	0.4	31.9	1486.4
3658	0.8	C_SL_FAT1_ENV	Combination	Max	91.7	164.5	77.7	0.4	42.8	1477.1
3658	0.0	C_SL_FAT1_ENV	Combination	Min	-57.5	-133.7	-90.5	-0.1	-31.4	-14.4
3658	0.4	C_SL_FAT1_ENV	Combination	Min	-57.5	-133.7	-90.5	-0.1	-27.4	-14.8
3658	0.8	C_SL_FAT1_ENV	Combination	Min	-57.5	-133.7	-90.5	-0.1	-33.9	-15.3
3659	0.0	C_SL_FAT1_ENV	Combination	Max	59.4	176.0	46.3	0.2	23.9	1493.6
3659	0.4	C_SL_FAT1_ENV	Combination	Max	59.4	176.0	46.3	0.2	25.9	1474.3
3659	0.7	C_SL_FAT1_ENV	Combination	Max	59.4	176.0	46.3	0.2	31.5	1454.9
3659	1.1	C_SL_FAT1_ENV	Combination	Max	59.4	176.0	46.3	0.2	37.2	1435.6
3659	0.0	C_SL_FAT1_ENV	Combination	Min	-53.7	-117.9	-59.5	-0.3	-27.6	-15.5
3659	0.4	C_SL_FAT1_ENV	Combination	Min	-53.7	-117.9	-59.5	-0.3	-24.2	-15.9
3659	0.7	C_SL_FAT1_ENV	Combination	Min	-53.7	-117.9	-59.5	-0.3	-24.2	-16.3
3659	1.1	C_SL_FAT1_ENV	Combination	Min	-53.7	-117.9	-59.5	-0.3	-27.0	-16.7
3660	0.0	C_SL_FAT1_ENV	Combination	Max	43.0	193.2	32.7	2.6	20.6	1442.3
3660	0.1	C_SL_FAT1_ENV	Combination	Max	43.0	193.2	32.7	2.6	16.7	1425.3
3660	0.0	C_SL_FAT1_ENV	Combination	Min	-49.7	-99.4	-38.4	-3.2	-19.7	-17.0
3660	0.1	C_SL_FAT1_ENV	Combination	Min	-49.7	-99.4	-38.4	-3.2	-15.2	-17.2
3661	0.0	C_SL_FAT1_ENV	Combination	Max	43.0	193.2	32.7	0.3	16.7	1424.3
3661	0.5	C_SL_FAT1_ENV	Combination	Max	43.0	193.2	32.7	0.3	19.9	1386.7
3661	1.0	C_SL_FAT1_ENV	Combination	Max	43.0	193.2	32.7	0.3	23.0	1349.0
3661	0.0	C_SL_FAT1_ENV	Combination	Min	-49.7	-99.4	-38.4	-0.4	-15.2	-17.0
3661	0.5	C_SL_FAT1_ENV	Combination	Min	-49.7	-99.4	-38.4	-0.4	-15.1	-17.6
3661	1.0	C_SL_FAT1_ENV	Combination	Min	-49.7	-99.4	-38.4	-0.4	-16.1	-18.2
3662	0.0	C_SL_FAT1_ENV	Combination	Max	46.4	213.4	46.5	0.1	28.9	1337.4
3662	0.4	C_SL_FAT1_ENV	Combination	Max	46.4	213.4	46.5	0.1	25.6	1293.8
3662	0.7	C_SL_FAT1_ENV	Combination	Max	46.4	213.4	46.5	0.1	22.4	1250.2
3662	1.1	C_SL_FAT1_ENV	Combination	Max	46.4	213.4	46.5	0.1	19.4	1206.6

3662	0.0	C_SL_FAT1_ENV	Combination	Min	-38.4	-81.2	-37.7	-0.2	-21.6	-18.5
3662	0.4	C_SL_FAT1_ENV	Combination	Min	-38.4	-81.2	-37.7	-0.2	-19.3	-18.9
3662	0.7	C_SL_FAT1_ENV	Combination	Min	-38.4	-81.2	-37.7	-0.2	-20.0	-19.4
3662	1.1	C_SL_FAT1_ENV	Combination	Min	-38.4	-81.2	-37.7	-0.2	-21.6	-19.8
3663	0.0	C_SL_FAT1_ENV	Combination	Max	59.3	233.1	77.9	0.0	38.7	1181.8
3663	0.5	C_SL_FAT1_ENV	Combination	Max	59.3	233.1	77.9	0.0	27.7	1110.8
3663	0.9	C_SL_FAT1_ENV	Combination	Max	59.3	233.1	77.9	0.0	26.7	1039.7
3663	0.0	C_SL_FAT1_ENV	Combination	Min	-24.0	-69.4	-61.9	-0.4	-31.9	-20.2
3663	0.5	C_SL_FAT1_ENV	Combination	Min	-24.0	-69.4	-61.9	-0.4	-27.5	-20.8
3663	0.9	C_SL_FAT1_ENV	Combination	Min	-24.0	-69.4	-61.9	-0.4	-32.7	-21.4
3664	0.0	C_SL_FAT1_ENV	Combination	Max	98.3	209.0	91.9	1.2	28.6	1040.5
3664	0.2	C_SL_FAT1_ENV	Combination	Max	98.3	209.0	91.9	1.2	25.8	1028.9
3664	0.0	C_SL_FAT1_ENV	Combination	Min	-74.8	-99.7	-112.7	-0.2	-25.6	-21.4
3664	0.2	C_SL_FAT1_ENV	Combination	Min	-74.8	-99.7	-112.7	-0.2	-23.7	-21.7
3665	0.0	C_SL_FAT1_ENV	Combination	Max	67.3	219.7	48.1	0.1	25.5	1029.6
3665	0.4	C_SL_FAT1_ENV	Combination	Max	67.3	219.7	48.1	0.1	25.5	983.4
3665	0.7	C_SL_FAT1_ENV	Combination	Max	67.3	219.7	48.1	0.1	31.5	937.1
3665	1.1	C_SL_FAT1_ENV	Combination	Max	67.3	219.7	48.1	0.1	38.6	890.9
3665	0.0	C_SL_FAT1_ENV	Combination	Min	-64.1	-84.2	-69.5	-0.2	-36.5	-22.2
3665	0.4	C_SL_FAT1_ENV	Combination	Min	-64.1	-84.2	-69.5	-0.2	-30.1	-22.8
3665	0.7	C_SL_FAT1_ENV	Combination	Min	-64.1	-84.2	-69.5	-0.2	-25.8	-23.4
3665	1.1	C_SL_FAT1_ENV	Combination	Min	-64.1	-84.2	-69.5	-0.2	-26.5	-24.0
3666	0.0	C_SL_FAT1_ENV	Combination	Max	38.0	237.6	33.0	0.1	19.0	898.8
3666	0.4	C_SL_FAT1_ENV	Combination	Max	38.0	237.6	33.0	0.1	21.8	841.3
3666	0.7	C_SL_FAT1_ENV	Combination	Max	38.0	237.6	33.0	0.1	24.5	783.9
3666	1.1	C_SL_FAT1_ENV	Combination	Max	38.0	237.6	33.0	0.1	27.3	726.4
3666	0.0	C_SL_FAT1_ENV	Combination	Min	-58.2	-59.2	-45.2	-0.2	-22.5	-24.8
3666	0.4	C_SL_FAT1_ENV	Combination	Min	-58.2	-59.2	-45.2	-0.2	-20.4	-25.5
3666	0.7	C_SL_FAT1_ENV	Combination	Min	-58.2	-59.2	-45.2	-0.2	-18.2	-26.1
3666	1.1	C_SL_FAT1_ENV	Combination	Min	-58.2	-59.2	-45.2	-0.2	-18.5	-26.8
3667	0.0	C_SL_FAT1_ENV	Combination	Max	26.7	265.4	43.2	0.1	25.3	720.9
3667	0.4	C_SL_FAT1_ENV	Combination	Max	26.7	265.4	43.2	0.1	23.3	645.2
3667	0.7	C_SL_FAT1_ENV	Combination	Max	26.7	265.4	43.2	0.1	21.2	569.4
3667	1.1	C_SL_FAT1_ENV	Combination	Max	26.7	265.4	43.2	0.1	19.2	493.7
3667	0.0	C_SL_FAT1_ENV	Combination	Min	-50.9	-27.0	-33.0	-0.2	-16.7	-27.7
3667	0.4	C_SL_FAT1_ENV	Combination	Min	-50.9	-27.0	-33.0	-0.2	-18.3	-28.5

3667	0.7	C_SL_FAT1_ENV	Combination	Min	-50.9	-27.0	-33.0	-0.2	-20.0	-29.2
3667	1.1	C_SL_FAT1_ENV	Combination	Min	-50.9	-27.0	-33.0	-0.2	-21.6	-30.0
3668	0.0	C_SL_FAT1_ENV	Combination	Max	17.1	301.8	61.5	0.1	34.9	476.7
3668	0.4	C_SL_FAT1_ENV	Combination	Max	17.1	301.8	61.5	0.1	27.5	378.9
3668	0.7	C_SL_FAT1_ENV	Combination	Max	17.1	301.8	61.5	0.1	20.1	281.2
3668	1.1	C_SL_FAT1_ENV	Combination	Max	17.1	301.8	61.5	0.1	14.7	183.4
3668	0.0	C_SL_FAT1_ENV	Combination	Min	-37.6	-4.8	-27.8	-0.2	-15.3	-31.0
3668	0.4	C_SL_FAT1_ENV	Combination	Min	-37.6	-4.8	-27.8	-0.2	-18.2	-31.9
3668	0.7	C_SL_FAT1_ENV	Combination	Min	-37.6	-4.8	-27.8	-0.2	-24.9	-32.8
3668	1.1	C_SL_FAT1_ENV	Combination	Min	-37.6	-4.8	-27.8	-0.2	-31.7	-33.8
3669	0.0	C_SL_FAT1_ENV	Combination	Max	10.8	345.5	98.4	0.1	30.2	159.5
3669	0.5	C_SL_FAT1_ENV	Combination	Max	10.8	345.5	98.4	0.1	7.6	12.6
3669	0.0	C_SL_FAT1_ENV	Combination	Min	-35.5	-1.1	-31.6	-0.3	-12.6	-27.9
3669	0.5	C_SL_FAT1_ENV	Combination	Min	-35.5	-1.1	-31.6	-0.3	-21.7	-55.4
3670	0.0	C_SL_FAT1_ENV	Combination	Max	3.9	1.8	32.6	0.2	6.6	14.4
3670	0.5	C_SL_FAT1_ENV	Combination	Max	3.9	1.8	32.6	0.2	2.5	104.4
3670	0.0	C_SL_FAT1_ENV	Combination	Min	-16.3	-213.1	-7.3	-0.1	-7.0	-23.5
3670	0.5	C_SL_FAT1_ENV	Combination	Min	-16.3	-213.1	-7.3	-0.1	-13.3	-11.2
3671	0.0	C_SL_FAT1_ENV	Combination	Max	10.1	3.8	18.7	0.2	9.6	115.4
3671	0.4	C_SL_FAT1_ENV	Combination	Max	10.1	3.8	18.7	0.2	7.5	178.4
3671	0.7	C_SL_FAT1_ENV	Combination	Max	10.1	3.8	18.7	0.2	5.8	241.5
3671	1.1	C_SL_FAT1_ENV	Combination	Max	10.1	3.8	18.7	0.2	4.3	304.6
3671	0.0	C_SL_FAT1_ENV	Combination	Min	-23.1	-190.6	-7.5	-0.1	-3.9	-14.3
3671	0.4	C_SL_FAT1_ENV	Combination	Min	-23.1	-190.6	-7.5	-0.1	-5.8	-14.3
3671	0.7	C_SL_FAT1_ENV	Combination	Min	-23.1	-190.6	-7.5	-0.1	-8.1	-14.3
3671	1.1	C_SL_FAT1_ENV	Combination	Min	-23.1	-190.6	-7.5	-0.1	-10.6	-14.3
3672	0.0	C_SL_FAT1_ENV	Combination	Max	16.7	14.4	13.8	0.2	8.4	310.8
3672	0.4	C_SL_FAT1_ENV	Combination	Max	16.7	14.4	13.8	0.2	7.5	364.1
3672	0.7	C_SL_FAT1_ENV	Combination	Max	16.7	14.4	13.8	0.2	6.6	417.3
3672	1.1	C_SL_FAT1_ENV	Combination	Max	16.7	14.4	13.8	0.2	5.8	470.5
3672	0.0	C_SL_FAT1_ENV	Combination	Min	-33.9	-171.7	-9.9	-0.1	-5.4	-14.5
3672	0.4	C_SL_FAT1_ENV	Combination	Min	-33.9	-171.7	-9.9	-0.1	-6.1	-14.5
3672	0.7	C_SL_FAT1_ENV	Combination	Min	-33.9	-171.7	-9.9	-0.1	-6.9	-14.4
3672	1.1	C_SL_FAT1_ENV	Combination	Min	-33.9	-171.7	-9.9	-0.1	-7.7	-14.3
3673	0.0	C_SL_FAT1_ENV	Combination	Max	24.9	28.6	18.8	0.1	11.6	472.9
3673	0.4	C_SL_FAT1_ENV	Combination	Max	24.9	28.6	18.8	0.1	9.8	516.8

3673	0.7	C_SL_FAT1_ENV	Combination	Max	24.9	28.6	18.8	0.1	8.1	560.8
3673	1.1	C_SL_FAT1_ENV	Combination	Max	24.9	28.6	18.8	0.1	7.3	604.8
3673	0.0	C_SL_FAT1_ENV	Combination	Min	-42.9	-155.4	-14.1	-0.1	-8.0	-14.3
3673	0.4	C_SL_FAT1_ENV	Combination	Min	-42.9	-155.4	-14.1	-0.1	-7.9	-14.2
3673	0.7	C_SL_FAT1_ENV	Combination	Min	-42.9	-155.4	-14.1	-0.1	-8.4	-14.1
3673	1.1	C_SL_FAT1_ENV	Combination	Min	-42.9	-155.4	-14.1	-0.1	-8.9	-14.1
3674	0.0	C_SL_FAT1_ENV	Combination	Max	34.6	39.1	32.4	0.1	18.2	602.9
3674	0.4	C_SL_FAT1_ENV	Combination	Max	34.6	39.1	32.4	0.1	15.8	639.5
3674	0.7	C_SL_FAT1_ENV	Combination	Max	34.6	39.1	32.4	0.1	13.5	676.2
3674	1.1	C_SL_FAT1_ENV	Combination	Max	34.6	39.1	32.4	0.1	13.1	712.8
3674	0.0	C_SL_FAT1_ENV	Combination	Min	-52.6	-142.5	-22.7	-0.1	-11.4	-14.0
3674	0.4	C_SL_FAT1_ENV	Combination	Min	-52.6	-142.5	-22.7	-0.1	-12.7	-13.8
3674	0.7	C_SL_FAT1_ENV	Combination	Min	-52.6	-142.5	-22.7	-0.1	-14.9	-13.7
3674	1.1	C_SL_FAT1_ENV	Combination	Min	-52.6	-142.5	-22.7	-0.1	-17.2	-13.6
3675	0.0	C_SL_FAT1_ENV	Combination	Max	41.8	45.9	61.7	0.8	14.4	711.4
3675	0.2	C_SL_FAT1_ENV	Combination	Max	41.8	45.9	61.7	0.8	15.7	722.5
3675	0.0	C_SL_FAT1_ENV	Combination	Min	-63.2	-134.0	-39.8	-0.2	-9.9	-13.5
3675	0.2	C_SL_FAT1_ENV	Combination	Min	-63.2	-134.0	-39.8	-0.2	-16.9	-13.4
3676	0.0	C_SL_FAT1_ENV	Combination	Max	39.2	31.9	25.6	0.1	11.1	722.2
3676	0.5	C_SL_FAT1_ENV	Combination	Max	39.2	31.9	25.6	0.1	14.3	761.5
3676	0.9	C_SL_FAT1_ENV	Combination	Max	39.2	31.9	25.6	0.1	19.2	800.8
3676	0.0	C_SL_FAT1_ENV	Combination	Min	-31.5	-139.8	-38.1	-0.2	-16.7	-13.4
3676	0.5	C_SL_FAT1_ENV	Combination	Min	-31.5	-139.8	-38.1	-0.2	-13.8	-13.2
3676	0.9	C_SL_FAT1_ENV	Combination	Min	-31.5	-139.8	-38.1	-0.2	-12.4	-13.0
3677	0.0	C_SL_FAT1_ENV	Combination	Max	30.4	40.1	14.8	0.1	8.2	805.0
3677	0.4	C_SL_FAT1_ENV	Combination	Max	30.4	40.1	14.8	0.1	9.0	832.0
3677	0.7	C_SL_FAT1_ENV	Combination	Max	30.4	40.1	14.8	0.1	11.2	859.0
3677	1.1	C_SL_FAT1_ENV	Combination	Max	30.4	40.1	14.8	0.1	13.4	886.0
3677	0.0	C_SL_FAT1_ENV	Combination	Min	-30.5	-130.3	-21.1	-0.1	-9.6	-12.9
3677	0.4	C_SL_FAT1_ENV	Combination	Min	-30.5	-130.3	-21.1	-0.1	-8.9	-12.7
3677	0.7	C_SL_FAT1_ENV	Combination	Min	-30.5	-130.3	-21.1	-0.1	-8.2	-12.5
3677	1.1	C_SL_FAT1_ENV	Combination	Min	-30.5	-130.3	-21.1	-0.1	-8.0	-12.3
3678	0.0	C_SL_FAT1_ENV	Combination	Max	28.3	50.4	13.7	0.1	9.3	888.0
3678	0.5	C_SL_FAT1_ENV	Combination	Max	28.3	50.4	13.7	0.1	7.9	917.2
3678	1.0	C_SL_FAT1_ENV	Combination	Max	28.3	50.4	13.7	0.1	6.7	946.4
3678	0.0	C_SL_FAT1_ENV	Combination	Min	-34.7	-119.2	-11.1	-0.1	-5.5	-12.2

3678	0.5	C_SL_FAT1_ENV	Combination	Min	-34.7	-119.2	-11.1	-0.1	-5.2	-11.9
3678	1.0	C_SL_FAT1_ENV	Combination	Min	-34.7	-119.2	-11.1	-0.1	-5.2	-11.6
3679	0.0	C_SL_FAT1_ENV	Combination	Max	28.3	50.4	13.7	1.2	6.7	947.6
3679	0.1	C_SL_FAT1_ENV	Combination	Max	28.3	50.4	13.7	1.2	7.9	958.6
3679	0.0	C_SL_FAT1_ENV	Combination	Min	-34.7	-119.2	-11.1	-0.9	-5.2	-11.6
3679	0.1	C_SL_FAT1_ENV	Combination	Min	-34.7	-119.2	-11.1	-0.9	-6.5	-11.5
3680	0.0	C_SL_FAT1_ENV	Combination	Max	32.8	59.7	28.1	0.2	17.9	956.6
3680	0.4	C_SL_FAT1_ENV	Combination	Max	32.8	59.7	28.1	0.2	14.9	975.2
3680	0.7	C_SL_FAT1_ENV	Combination	Max	32.8	59.7	28.1	0.2	12.0	993.7
3680	1.1	C_SL_FAT1_ENV	Combination	Max	32.8	59.7	28.1	0.2	11.3	1012.3
3680	0.0	C_SL_FAT1_ENV	Combination	Min	-41.0	-108.5	-19.0	-0.2	-9.5	-11.4
3680	0.4	C_SL_FAT1_ENV	Combination	Min	-41.0	-108.5	-19.0	-0.2	-10.4	-11.2
3680	0.7	C_SL_FAT1_ENV	Combination	Min	-41.0	-108.5	-19.0	-0.2	-11.9	-10.9
3680	1.1	C_SL_FAT1_ENV	Combination	Min	-41.0	-108.5	-19.0	-0.2	-13.4	-10.7
3681	0.0	C_SL_FAT1_ENV	Combination	Max	41.0	67.0	50.2	0.3	22.2	1008.9
3681	0.4	C_SL_FAT1_ENV	Combination	Max	41.0	67.0	50.2	0.3	16.5	1021.8
3681	0.8	C_SL_FAT1_ENV	Combination	Max	41.0	67.0	50.2	0.3	14.1	1034.6
3681	0.0	C_SL_FAT1_ENV	Combination	Min	-51.3	-100.2	-30.0	-0.1	-10.9	-10.6
3681	0.4	C_SL_FAT1_ENV	Combination	Min	-51.3	-100.2	-30.0	-0.1	-15.8	-10.3
3681	0.8	C_SL_FAT1_ENV	Combination	Min	-51.3	-100.2	-30.0	-0.1	-21.3	-10.1
3682	0.0	C_SL_FAT1_ENV	Combination	Max	47.7	62.6	36.7	0.3	11.6	1034.1
3682	0.3	C_SL_FAT1_ENV	Combination	Max	47.7	62.6	36.7	0.3	9.9	1046.6
3682	0.0	C_SL_FAT1_ENV	Combination	Min	-24.0	-105.0	-66.4	-1.2	-20.6	-10.1
3682	0.3	C_SL_FAT1_ENV	Combination	Min	-24.0	-105.0	-66.4	-1.2	-7.4	-9.9
3683	0.0	C_SL_FAT1_ENV	Combination	Max	37.1	69.0	23.0	0.1	14.2	1046.5
3683	0.4	C_SL_FAT1_ENV	Combination	Max	37.1	69.0	23.0	0.1	14.9	1052.2
3683	0.7	C_SL_FAT1_ENV	Combination	Max	37.1	69.0	23.0	0.1	18.4	1057.9
3683	1.1	C_SL_FAT1_ENV	Combination	Max	37.1	69.0	23.0	0.1	21.8	1063.5
3683	0.0	C_SL_FAT1_ENV	Combination	Min	-22.5	-98.2	-37.8	-0.2	-19.9	-9.9
3683	0.4	C_SL_FAT1_ENV	Combination	Min	-22.5	-98.2	-37.8	-0.2	-16.7	-9.6
3683	0.7	C_SL_FAT1_ENV	Combination	Min	-22.5	-98.2	-37.8	-0.2	-13.4	-9.3
3683	1.1	C_SL_FAT1_ENV	Combination	Min	-22.5	-98.2	-37.8	-0.2	-10.9	-9.1
3684	0.0	C_SL_FAT1_ENV	Combination	Max	28.4	77.6	13.9	0.1	8.8	1065.5
3684	0.4	C_SL_FAT1_ENV	Combination	Max	28.4	77.6	13.9	0.1	9.6	1067.5
3684	0.8	C_SL_FAT1_ENV	Combination	Max	28.4	77.6	13.9	0.1	11.9	1069.5
3684	1.1	C_SL_FAT1_ENV	Combination	Max	28.4	77.6	13.9	0.1	14.3	1071.4

3684	0.0	C_SL_FAT1_ENV	Combination	Min	-24.4	-88.7	-18.8	-0.2	-8.4	-9.1
3684	0.4	C_SL_FAT1_ENV	Combination	Min	-24.4	-88.7	-18.8	-0.2	-8.2	-8.9
3684	0.8	C_SL_FAT1_ENV	Combination	Min	-24.4	-88.7	-18.8	-0.2	-7.9	-8.7
3684	1.1	C_SL_FAT1_ENV	Combination	Min	-24.4	-88.7	-18.8	-0.2	-7.7	-8.4
3685	0.0	C_SL_FAT1_ENV	Combination	Max	28.2	88.1	18.8	0.1	14.0	1072.1
3685	0.4	C_SL_FAT1_ENV	Combination	Max	28.2	88.1	18.8	0.1	11.8	1070.4
3685	0.8	C_SL_FAT1_ENV	Combination	Max	28.2	88.1	18.8	0.1	9.6	1068.6
3685	1.1	C_SL_FAT1_ENV	Combination	Max	28.2	88.1	18.8	0.1	9.0	1066.9
3685	0.0	C_SL_FAT1_ENV	Combination	Min	-32.4	-78.0	-13.9	-0.2	-7.5	-8.5
3685	0.4	C_SL_FAT1_ENV	Combination	Min	-32.4	-78.0	-13.9	-0.2	-7.7	-8.7
3685	0.8	C_SL_FAT1_ENV	Combination	Min	-32.4	-78.0	-13.9	-0.2	-8.1	-8.9
3685	1.1	C_SL_FAT1_ENV	Combination	Min	-32.4	-78.0	-13.9	-0.2	-8.4	-9.1
3686	0.0	C_SL_FAT1_ENV	Combination	Max	34.8	97.6	37.1	0.1	21.0	1065.9
3686	0.4	C_SL_FAT1_ENV	Combination	Max	34.8	97.6	37.1	0.1	17.8	1060.0
3686	0.7	C_SL_FAT1_ENV	Combination	Max	34.8	97.6	37.1	0.1	14.6	1054.0
3686	1.1	C_SL_FAT1_ENV	Combination	Max	34.8	97.6	37.1	0.1	14.2	1048.1
3686	0.0	C_SL_FAT1_ENV	Combination	Min	-44.7	-68.9	-22.9	-0.3	-10.8	-9.1
3686	0.4	C_SL_FAT1_ENV	Combination	Min	-44.7	-68.9	-22.9	-0.3	-13.3	-9.3
3686	0.7	C_SL_FAT1_ENV	Combination	Min	-44.7	-68.9	-22.9	-0.3	-16.6	-9.6
3686	1.1	C_SL_FAT1_ENV	Combination	Min	-44.7	-68.9	-22.9	-0.3	-19.9	-9.8
3687	0.0	C_SL_FAT1_ENV	Combination	Max	40.2	104.4	66.3	1.0	9.5	1048.5
3687	0.3	C_SL_FAT1_ENV	Combination	Max	40.2	104.4	66.3	1.0	11.4	1035.7
3687	0.0	C_SL_FAT1_ENV	Combination	Min	-57.9	-62.3	-36.7	-0.4	-9.0	-9.8
3687	0.3	C_SL_FAT1_ENV	Combination	Min	-57.9	-62.3	-36.7	-0.4	-21.8	-10.0
3688	0.0	C_SL_FAT1_ENV	Combination	Max	43.6	100.6	29.5	0.0	13.7	1035.1
3688	0.4	C_SL_FAT1_ENV	Combination	Max	43.6	100.6	29.5	0.0	17.0	1021.4
3688	0.8	C_SL_FAT1_ENV	Combination	Max	43.6	100.6	29.5	0.0	23.5	1007.8
3688	0.0	C_SL_FAT1_ENV	Combination	Min	-26.2	-67.5	-51.0	-0.5	-21.2	-10.0
3688	0.4	C_SL_FAT1_ENV	Combination	Min	-26.2	-67.5	-51.0	-0.5	-15.7	-10.3
3688	0.8	C_SL_FAT1_ENV	Combination	Min	-26.2	-67.5	-51.0	-0.5	-10.9	-10.6
3689	0.0	C_SL_FAT1_ENV	Combination	Max	35.0	108.5	18.7	0.1	11.0	1010.4
3689	0.4	C_SL_FAT1_ENV	Combination	Max	35.0	108.5	18.7	0.1	12.0	991.7
3689	0.7	C_SL_FAT1_ENV	Combination	Max	35.0	108.5	18.7	0.1	15.2	972.9
3689	1.1	C_SL_FAT1_ENV	Combination	Max	35.0	108.5	18.7	0.1	18.4	954.1
3689	0.0	C_SL_FAT1_ENV	Combination	Min	-24.7	-60.2	-28.6	-0.2	-13.5	-10.6
3689	0.4	C_SL_FAT1_ENV	Combination	Min	-24.7	-60.2	-28.6	-0.2	-12.0	-10.9

3689	0.7	C_SL_FAT1_ENV	Combination	Min	-24.7	-60.2	-28.6	-0.2	-10.5	-11.2
3689	1.1	C_SL_FAT1_ENV	Combination	Min	-24.7	-60.2	-28.6	-0.2	-9.6	-11.4
3690	0.0	C_SL_FAT1_ENV	Combination	Max	29.9	118.7	11.1	0.9	7.7	955.2
3690	0.1	C_SL_FAT1_ENV	Combination	Max	29.9	118.7	11.1	0.9	6.4	944.4
3690	0.0	C_SL_FAT1_ENV	Combination	Min	-32.8	-50.7	-13.7	-1.2	-6.7	-11.5
3690	0.1	C_SL_FAT1_ENV	Combination	Min	-32.8	-50.7	-13.7	-1.2	-5.3	-11.6
3691	0.0	C_SL_FAT1_ENV	Combination	Max	29.9	118.7	11.1	0.1	6.4	943.9
3691	0.5	C_SL_FAT1_ENV	Combination	Max	29.9	118.7	11.1	0.1	7.9	914.6
3691	1.0	C_SL_FAT1_ENV	Combination	Max	29.9	118.7	11.1	0.1	9.5	885.4
3691	0.0	C_SL_FAT1_ENV	Combination	Min	-32.8	-50.7	-13.7	-0.2	-5.3	-11.6
3691	0.5	C_SL_FAT1_ENV	Combination	Min	-32.8	-50.7	-13.7	-0.2	-5.3	-11.9
3691	1.0	C_SL_FAT1_ENV	Combination	Min	-32.8	-50.7	-13.7	-0.2	-5.6	-12.3
3692	0.0	C_SL_FAT1_ENV	Combination	Max	31.1	129.3	20.8	0.0	13.1	883.7
3692	0.4	C_SL_FAT1_ENV	Combination	Max	31.1	129.3	20.8	0.0	11.0	856.8
3692	0.7	C_SL_FAT1_ENV	Combination	Max	31.1	129.3	20.8	0.0	8.9	829.8
3692	1.1	C_SL_FAT1_ENV	Combination	Max	31.1	129.3	20.8	0.0	8.2	802.9
3692	0.0	C_SL_FAT1_ENV	Combination	Min	-43.0	-39.9	-14.6	-0.1	-7.7	-12.3
3692	0.4	C_SL_FAT1_ENV	Combination	Min	-43.0	-39.9	-14.6	-0.1	-8.1	-12.5
3692	0.7	C_SL_FAT1_ENV	Combination	Min	-43.0	-39.9	-14.6	-0.1	-8.9	-12.8
3692	1.1	C_SL_FAT1_ENV	Combination	Min	-43.0	-39.9	-14.6	-0.1	-9.6	-13.1
3693	0.0	C_SL_FAT1_ENV	Combination	Max	38.7	138.6	38.1	0.1	18.3	800.2
3693	0.5	C_SL_FAT1_ENV	Combination	Max	38.7	138.6	38.1	0.1	13.8	760.5
3693	0.9	C_SL_FAT1_ENV	Combination	Max	38.7	138.6	38.1	0.1	10.7	720.8
3693	0.0	C_SL_FAT1_ENV	Combination	Min	-57.4	-31.1	-25.0	-0.1	-12.2	-13.1
3693	0.5	C_SL_FAT1_ENV	Combination	Min	-57.4	-31.1	-25.0	-0.1	-14.0	-13.4
3693	0.9	C_SL_FAT1_ENV	Combination	Min	-57.4	-31.1	-25.0	-0.1	-17.3	-13.7
3694	0.0	C_SL_FAT1_ENV	Combination	Max	41.0	135.1	37.5	0.2	14.9	720.4
3694	0.2	C_SL_FAT1_ENV	Combination	Max	41.0	135.1	37.5	0.2	14.1	708.7
3694	0.0	C_SL_FAT1_ENV	Combination	Min	-28.0	-45.1	-63.4	-0.9	-15.8	-13.7
3694	0.2	C_SL_FAT1_ENV	Combination	Min	-28.0	-45.1	-63.4	-0.9	-8.2	-13.8
3695	0.0	C_SL_FAT1_ENV	Combination	Max	36.1	143.2	21.3	0.1	12.2	708.9
3695	0.4	C_SL_FAT1_ENV	Combination	Max	36.1	143.2	21.3	0.1	13.3	671.4
3695	0.7	C_SL_FAT1_ENV	Combination	Max	36.1	143.2	21.3	0.1	16.2	633.9
3695	1.1	C_SL_FAT1_ENV	Combination	Max	36.1	143.2	21.3	0.1	19.1	596.4
3695	0.0	C_SL_FAT1_ENV	Combination	Min	-33.6	-37.8	-33.5	-0.2	-17.5	-13.8
3695	0.4	C_SL_FAT1_ENV	Combination	Min	-33.6	-37.8	-33.5	-0.2	-15.0	-14.1

3695	0.7	C_SL_FAT1_ENV	Combination	Min	-33.6	-37.8	-33.5	-0.2	-12.5	-14.3
3695	1.1	C_SL_FAT1_ENV	Combination	Min	-33.6	-37.8	-33.5	-0.2	-11.0	-14.5
3696	0.0	C_SL_FAT1_ENV	Combination	Max	27.7	155.1	13.5	0.1	6.9	596.0
3696	0.4	C_SL_FAT1_ENV	Combination	Max	27.7	155.1	13.5	0.1	8.0	551.8
3696	0.7	C_SL_FAT1_ENV	Combination	Max	27.7	155.1	13.5	0.1	10.0	507.6
3696	1.1	C_SL_FAT1_ENV	Combination	Max	27.7	155.1	13.5	0.1	11.9	463.4
3696	0.0	C_SL_FAT1_ENV	Combination	Min	-32.9	-27.1	-19.1	-0.2	-8.9	-14.6
3696	0.4	C_SL_FAT1_ENV	Combination	Min	-32.9	-27.1	-19.1	-0.2	-8.3	-14.8
3696	0.7	C_SL_FAT1_ENV	Combination	Min	-32.9	-27.1	-19.1	-0.2	-7.8	-15.0
3696	1.1	C_SL_FAT1_ENV	Combination	Min	-32.9	-27.1	-19.1	-0.2	-7.8	-15.2
3697	0.0	C_SL_FAT1_ENV	Combination	Max	23.7	170.0	10.2	0.1	5.6	461.1
3697	0.4	C_SL_FAT1_ENV	Combination	Max	23.7	170.0	10.2	0.1	6.5	408.3
3697	0.7	C_SL_FAT1_ENV	Combination	Max	23.7	170.0	10.2	0.1	7.4	355.6
3697	1.1	C_SL_FAT1_ENV	Combination	Max	23.7	170.0	10.2	0.1	8.4	302.8
3697	0.0	C_SL_FAT1_ENV	Combination	Min	-30.4	-13.1	-13.5	-0.2	-7.5	-15.2
3697	0.4	C_SL_FAT1_ENV	Combination	Min	-30.4	-13.1	-13.5	-0.2	-6.9	-15.4
3697	0.7	C_SL_FAT1_ENV	Combination	Min	-30.4	-13.1	-13.5	-0.2	-6.3	-15.6
3697	1.1	C_SL_FAT1_ENV	Combination	Min	-30.4	-13.1	-13.5	-0.2	-5.8	-15.8
3698	0.0	C_SL_FAT1_ENV	Combination	Max	19.9	187.5	7.3	0.1	4.1	298.5
3698	0.4	C_SL_FAT1_ENV	Combination	Max	19.9	187.5	7.3	0.1	5.6	236.6
3698	0.7	C_SL_FAT1_ENV	Combination	Max	19.9	187.5	7.3	0.1	7.2	174.8
3698	1.1	C_SL_FAT1_ENV	Combination	Max	19.9	187.5	7.3	0.1	9.2	112.9
3698	0.0	C_SL_FAT1_ENV	Combination	Min	-25.9	-3.0	-17.4	-0.2	-9.7	-15.7
3698	0.4	C_SL_FAT1_ENV	Combination	Min	-25.9	-3.0	-17.4	-0.2	-7.6	-15.9
3698	0.7	C_SL_FAT1_ENV	Combination	Min	-25.9	-3.0	-17.4	-0.2	-5.6	-16.2
3698	1.1	C_SL_FAT1_ENV	Combination	Min	-25.9	-3.0	-17.4	-0.2	-3.9	-16.4
3699	0.0	C_SL_FAT1_ENV	Combination	Max	17.2	208.4	7.7	0.1	1.9	104.1
3699	0.5	C_SL_FAT1_ENV	Combination	Max	17.2	208.4	7.7	0.1	6.5	15.5
3699	0.0	C_SL_FAT1_ENV	Combination	Min	-16.1	-1.5	-31.1	-0.2	-12.5	-12.9
3699	0.5	C_SL_FAT1_ENV	Combination	Min	-16.1	-1.5	-31.1	-0.2	-7.8	-24.8
3700	0.0	C_SL_FAT1_ENV	Combination	Max	10.1	31.4	8.9	0.2	2.5	17.1
3700	0.5	C_SL_FAT1_ENV	Combination	Max	10.1	31.4	8.9	0.2	4.5	56.8
3700	0.0	C_SL_FAT1_ENV	Combination	Min	-3.5	-106.7	-19.2	0.0	-7.9	-3.8
3700	0.5	C_SL_FAT1_ENV	Combination	Min	-3.5	-106.7	-19.2	0.0	-3.9	-7.9
3701	0.0	C_SL_FAT1_ENV	Combination	Max	7.0	29.5	5.7	0.2	3.1	66.4
3701	0.4	C_SL_FAT1_ENV	Combination	Max	7.0	29.5	5.7	0.2	4.5	102.2

3701	0.7	C_SL_FAT1_ENV	Combination	Max	7.0	29.5	5.7	0.2	6.0	138.0
3701	1.1	C_SL_FAT1_ENV	Combination	Max	7.0	29.5	5.7	0.2	7.7	173.9
3701	0.0	C_SL_FAT1_ENV	Combination	Min	-7.2	-105.4	-12.4	-0.1	-5.9	-3.7
3701	0.4	C_SL_FAT1_ENV	Combination	Min	-7.2	-105.4	-12.4	-0.1	-4.8	-13.0
3701	0.7	C_SL_FAT1_ENV	Combination	Min	-7.2	-105.4	-12.4	-0.1	-3.8	-22.2
3701	1.1	C_SL_FAT1_ENV	Combination	Min	-7.2	-105.4	-12.4	-0.1	-3.0	-31.5
3702	0.0	C_SL_FAT1_ENV	Combination	Max	8.4	28.2	7.1	0.1	5.5	179.0
3702	0.4	C_SL_FAT1_ENV	Combination	Max	8.4	28.2	7.1	0.1	5.4	215.7
3702	0.7	C_SL_FAT1_ENV	Combination	Max	8.4	28.2	7.1	0.1	5.3	252.5
3702	1.1	C_SL_FAT1_ENV	Combination	Max	8.4	28.2	7.1	0.1	5.5	289.3
3702	0.0	C_SL_FAT1_ENV	Combination	Min	-12.6	-102.8	-7.2	-0.1	-2.6	-25.6
3702	0.4	C_SL_FAT1_ENV	Combination	Min	-12.6	-102.8	-7.2	-0.1	-2.5	-35.4
3702	0.7	C_SL_FAT1_ENV	Combination	Min	-12.6	-102.8	-7.2	-0.1	-2.6	-45.1
3702	1.1	C_SL_FAT1_ENV	Combination	Min	-12.6	-102.8	-7.2	-0.1	-2.6	-54.9
3703	0.0	C_SL_FAT1_ENV	Combination	Max	10.0	26.4	13.9	0.1	10.2	296.5
3703	0.4	C_SL_FAT1_ENV	Combination	Max	10.0	26.4	13.9	0.1	7.7	331.7
3703	0.7	C_SL_FAT1_ENV	Combination	Max	10.0	26.4	13.9	0.1	5.3	366.9
3703	1.1	C_SL_FAT1_ENV	Combination	Max	10.0	26.4	13.9	0.1	3.4	402.1
3703	0.0	C_SL_FAT1_ENV	Combination	Min	-22.8	-98.7	-3.6	-0.1	-1.7	-49.3
3703	0.4	C_SL_FAT1_ENV	Combination	Min	-22.8	-98.7	-3.6	-0.1	-2.7	-58.5
3703	0.7	C_SL_FAT1_ENV	Combination	Min	-22.8	-98.7	-3.6	-0.1	-4.1	-67.7
3703	1.1	C_SL_FAT1_ENV	Combination	Min	-22.8	-98.7	-3.6	-0.1	-5.4	-76.9
3704	0.0	C_SL_FAT1_ENV	Combination	Max	11.4	24.1	27.8	0.1	16.2	412.6
3704	0.4	C_SL_FAT1_ENV	Combination	Max	11.4	24.1	27.8	0.1	11.7	445.2
3704	0.7	C_SL_FAT1_ENV	Combination	Max	11.4	24.1	27.8	0.1	7.3	477.8
3704	1.1	C_SL_FAT1_ENV	Combination	Max	11.4	24.1	27.8	0.1	3.9	510.5
3704	0.0	C_SL_FAT1_ENV	Combination	Min	-39.8	-92.2	-5.9	-0.1	-2.5	-72.0
3704	0.4	C_SL_FAT1_ENV	Combination	Min	-39.8	-92.2	-5.9	-0.1	-6.2	-80.2
3704	0.7	C_SL_FAT1_ENV	Combination	Min	-39.8	-92.2	-5.9	-0.1	-10.3	-88.5
3704	1.1	C_SL_FAT1_ENV	Combination	Min	-39.8	-92.2	-5.9	-0.1	-14.5	-96.8
3705	0.0	C_SL_FAT1_ENV	Combination	Max	13.4	21.5	49.9	0.4	7.0	516.5
3705	0.2	C_SL_FAT1_ENV	Combination	Max	13.4	21.5	49.9	0.4	7.0	529.2
3705	0.0	C_SL_FAT1_ENV	Combination	Min	-54.6	-83.0	-11.8	-0.3	-7.8	-89.6
3705	0.2	C_SL_FAT1_ENV	Combination	Min	-54.6	-83.0	-11.8	-0.3	-13.1	-92.4
3706	0.0	C_SL_FAT1_ENV	Combination	Max	9.5	20.1	7.5	0.1	3.9	529.2
3706	0.5	C_SL_FAT1_ENV	Combination	Max	9.5	20.1	7.5	0.1	8.3	560.5

3706	0.9	C_SL_FAT1_ENV	Combination	Max	9.5	20.1	7.5	0.1	13.9	591.8
3706	0.0	C_SL_FAT1_ENV	Combination	Min	-25.4	-75.4	-30.9	-0.1	-14.5	-91.8
3706	0.5	C_SL_FAT1_ENV	Combination	Min	-25.4	-75.4	-30.9	-0.1	-8.4	-99.0
3706	0.9	C_SL_FAT1_ENV	Combination	Min	-25.4	-75.4	-30.9	-0.1	-3.0	-106.2
3707	0.0	C_SL_FAT1_ENV	Combination	Max	8.3	18.5	4.3	0.1	3.7	586.2
3707	0.4	C_SL_FAT1_ENV	Combination	Max	8.3	18.5	4.3	0.1	5.6	607.8
3707	0.7	C_SL_FAT1_ENV	Combination	Max	8.3	18.5	4.3	0.1	7.8	629.4
3707	1.1	C_SL_FAT1_ENV	Combination	Max	8.3	18.5	4.3	0.1	10.3	651.0
3707	0.0	C_SL_FAT1_ENV	Combination	Min	-23.0	-69.2	-13.8	-0.1	-5.0	-97.7
3707	0.4	C_SL_FAT1_ENV	Combination	Min	-23.0	-69.2	-13.8	-0.1	-3.8	-103.0
3707	0.7	C_SL_FAT1_ENV	Combination	Min	-23.0	-69.2	-13.8	-0.1	-2.7	-108.4
3707	1.1	C_SL_FAT1_ENV	Combination	Min	-23.0	-69.2	-13.8	-0.1	-1.7	-113.7
3708	0.0	C_SL_FAT1_ENV	Combination	Max	9.0	18.4	9.0	0.1	7.9	650.6
3708	0.5	C_SL_FAT1_ENV	Combination	Max	9.0	18.4	9.0	0.1	6.1	676.2
3708	1.0	C_SL_FAT1_ENV	Combination	Max	9.0	18.4	9.0	0.1	4.7	701.8
3708	0.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-63.5	-3.7	-0.1	-0.6	-108.0
3708	0.5	C_SL_FAT1_ENV	Combination	Min	-27.2	-63.5	-3.7	-0.1	-1.3	-115.1
3708	1.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-63.5	-3.7	-0.1	-2.0	-122.2
3709	0.0	C_SL_FAT1_ENV	Combination	Max	9.0	18.4	9.0	0.8	4.7	703.9
3709	0.1	C_SL_FAT1_ENV	Combination	Max	9.0	18.4	9.0	0.8	5.1	710.8
3709	0.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-63.5	-3.7	-0.3	-2.0	-122.8
3709	0.1	C_SL_FAT1_ENV	Combination	Min	-27.2	-63.5	-3.7	-0.3	-2.7	-124.7
3710	0.0	C_SL_FAT1_ENV	Combination	Max	10.5	18.3	21.4	0.2	15.1	717.9
3710	0.4	C_SL_FAT1_ENV	Combination	Max	10.5	18.3	21.4	0.2	11.0	734.4
3710	0.7	C_SL_FAT1_ENV	Combination	Max	10.5	18.3	21.4	0.2	7.3	750.8
3710	1.1	C_SL_FAT1_ENV	Combination	Max	10.5	18.3	21.4	0.2	4.5	767.3
3710	0.0	C_SL_FAT1_ENV	Combination	Min	-39.3	-56.7	-4.6	-0.2	-1.1	-121.3
3710	0.4	C_SL_FAT1_ENV	Combination	Min	-39.3	-56.7	-4.6	-0.2	-3.6	-125.8
3710	0.7	C_SL_FAT1_ENV	Combination	Min	-39.3	-56.7	-4.6	-0.2	-6.3	-130.3
3710	1.1	C_SL_FAT1_ENV	Combination	Min	-39.3	-56.7	-4.6	-0.2	-9.0	-134.8
3711	0.0	C_SL_FAT1_ENV	Combination	Max	15.3	18.3	39.0	0.2	16.3	779.0
3711	0.4	C_SL_FAT1_ENV	Combination	Max	15.3	18.3	39.0	0.2	10.5	792.7
3711	0.8	C_SL_FAT1_ENV	Combination	Max	15.3	18.3	39.0	0.2	7.0	806.3
3711	0.0	C_SL_FAT1_ENV	Combination	Min	-58.3	-48.8	-8.9	-0.1	-1.0	-133.8
3711	0.4	C_SL_FAT1_ENV	Combination	Min	-58.3	-48.8	-8.9	-0.1	-8.9	-137.0
3711	0.8	C_SL_FAT1_ENV	Combination	Min	-58.3	-48.8	-8.9	-0.1	-16.9	-140.1

3712	0.0	C_SL_FAT1_ENV	Combination	Max	9.3	19.5	13.5	0.4	5.7	805.9
3712	0.3	C_SL_FAT1_ENV	Combination	Max	9.3	19.5	13.5	0.4	4.6	813.4
3712	0.0	C_SL_FAT1_ENV	Combination	Min	-30.4	-43.2	-47.8	-0.8	-16.7	-139.8
3712	0.3	C_SL_FAT1_ENV	Combination	Min	-30.4	-43.2	-47.8	-0.8	-8.0	-141.3
3713	0.0	C_SL_FAT1_ENV	Combination	Max	9.2	22.0	7.7	0.1	6.7	807.4
3713	0.4	C_SL_FAT1_ENV	Combination	Max	9.2	22.0	7.7	0.1	9.0	811.8
3713	0.7	C_SL_FAT1_ENV	Combination	Max	9.2	22.0	7.7	0.1	12.1	816.2
3713	1.1	C_SL_FAT1_ENV	Combination	Max	9.2	22.0	7.7	0.1	16.1	820.7
3713	0.0	C_SL_FAT1_ENV	Combination	Min	-30.1	-36.6	-27.5	-0.1	-14.3	-136.7
3713	0.4	C_SL_FAT1_ENV	Combination	Min	-30.1	-36.6	-27.5	-0.1	-10.0	-136.7
3713	0.7	C_SL_FAT1_ENV	Combination	Min	-30.1	-36.6	-27.5	-0.1	-5.8	-136.8
3713	1.1	C_SL_FAT1_ENV	Combination	Min	-30.1	-36.6	-27.5	-0.1	-2.0	-136.9
3714	0.0	C_SL_FAT1_ENV	Combination	Max	7.9	25.6	4.4	0.1	6.0	811.8
3714	0.4	C_SL_FAT1_ENV	Combination	Max	7.9	25.6	4.4	0.1	7.3	813.1
3714	0.8	C_SL_FAT1_ENV	Combination	Max	7.9	25.6	4.4	0.1	8.9	814.4
3714	1.1	C_SL_FAT1_ENV	Combination	Max	7.9	25.6	4.4	0.1	11.0	815.7
3714	0.0	C_SL_FAT1_ENV	Combination	Min	-25.8	-31.5	-11.6	-0.1	-3.7	-133.6
3714	0.4	C_SL_FAT1_ENV	Combination	Min	-25.8	-31.5	-11.6	-0.1	-2.9	-132.9
3714	0.8	C_SL_FAT1_ENV	Combination	Min	-25.8	-31.5	-11.6	-0.1	-2.1	-132.2
3714	1.1	C_SL_FAT1_ENV	Combination	Min	-25.8	-31.5	-11.6	-0.1	-1.3	-131.6
3715	0.0	C_SL_FAT1_ENV	Combination	Max	10.0	30.7	12.0	0.1	11.3	814.9
3715	0.4	C_SL_FAT1_ENV	Combination	Max	10.0	30.7	12.0	0.1	9.1	813.9
3715	0.8	C_SL_FAT1_ENV	Combination	Max	10.0	30.7	12.0	0.1	7.3	813.0
3715	1.1	C_SL_FAT1_ENV	Combination	Max	10.0	30.7	12.0	0.1	5.8	812.1
3715	0.0	C_SL_FAT1_ENV	Combination	Min	-31.3	-26.9	-4.4	-0.2	-1.4	-131.9
3715	0.4	C_SL_FAT1_ENV	Combination	Min	-31.3	-26.9	-4.4	-0.2	-2.1	-132.0
3715	0.8	C_SL_FAT1_ENV	Combination	Min	-31.3	-26.9	-4.4	-0.2	-2.9	-132.1
3715	1.1	C_SL_FAT1_ENV	Combination	Min	-31.3	-26.9	-4.4	-0.2	-3.6	-132.2
3716	0.0	C_SL_FAT1_ENV	Combination	Max	14.0	35.9	27.8	0.1	16.2	819.4
3716	0.4	C_SL_FAT1_ENV	Combination	Max	14.0	35.9	27.8	0.1	12.3	815.5
3716	0.7	C_SL_FAT1_ENV	Combination	Max	14.0	35.9	27.8	0.1	9.3	811.5
3716	1.1	C_SL_FAT1_ENV	Combination	Max	14.0	35.9	27.8	0.1	7.1	807.6
3716	0.0	C_SL_FAT1_ENV	Combination	Min	-47.4	-23.3	-8.1	-0.2	-2.0	-135.8
3716	0.4	C_SL_FAT1_ENV	Combination	Min	-47.4	-23.3	-8.1	-0.2	-5.9	-135.1
3716	0.7	C_SL_FAT1_ENV	Combination	Min	-47.4	-23.3	-8.1	-0.2	-10.1	-134.5
3716	1.1	C_SL_FAT1_ENV	Combination	Min	-47.4	-23.3	-8.1	-0.2	-14.4	-133.8

3717	0.0	C_SL_FAT1_ENV	Combination	Max	18.9	42.6	48.4	0.7	5.7	812.5
3717	0.3	C_SL_FAT1_ENV	Combination	Max	18.9	42.6	48.4	0.7	7.3	805.2
3717	0.0	C_SL_FAT1_ENV	Combination	Min	-61.4	-20.7	-15.0	-0.4	-8.5	-138.9
3717	0.3	C_SL_FAT1_ENV	Combination	Min	-61.4	-20.7	-15.0	-0.4	-16.7	-136.9
3718	0.0	C_SL_FAT1_ENV	Combination	Max	8.4	47.9	12.7	0.1	8.5	804.8
3718	0.4	C_SL_FAT1_ENV	Combination	Max	8.4	47.9	12.7	0.1	10.5	791.7
3718	0.8	C_SL_FAT1_ENV	Combination	Max	8.4	47.9	12.7	0.1	15.3	778.7
3718	0.0	C_SL_FAT1_ENV	Combination	Min	-32.3	-20.0	-38.3	-0.3	-16.9	-136.8
3718	0.4	C_SL_FAT1_ENV	Combination	Min	-32.3	-20.0	-38.3	-0.3	-9.2	-132.9
3718	0.8	C_SL_FAT1_ENV	Combination	Min	-32.3	-20.0	-38.3	-0.3	-2.0	-128.9
3719	0.0	C_SL_FAT1_ENV	Combination	Max	7.5	55.9	7.0	0.1	5.4	765.9
3719	0.4	C_SL_FAT1_ENV	Combination	Max	7.5	55.9	7.0	0.1	7.4	749.9
3719	0.7	C_SL_FAT1_ENV	Combination	Max	7.5	55.9	7.0	0.1	10.4	733.9
3719	1.1	C_SL_FAT1_ENV	Combination	Max	7.5	55.9	7.0	0.1	13.9	717.9
3719	0.0	C_SL_FAT1_ENV	Combination	Min	-26.8	-19.9	-20.8	-0.2	-8.8	-128.8
3719	0.4	C_SL_FAT1_ENV	Combination	Min	-26.8	-19.9	-20.8	-0.2	-6.4	-123.8
3719	0.7	C_SL_FAT1_ENV	Combination	Min	-26.8	-19.9	-20.8	-0.2	-3.9	-118.8
3719	1.1	C_SL_FAT1_ENV	Combination	Min	-26.8	-19.9	-20.8	-0.2	-2.1	-113.8
3720	0.0	C_SL_FAT1_ENV	Combination	Max	7.2	63.0	4.7	0.4	5.5	708.7
3720	0.1	C_SL_FAT1_ENV	Combination	Max	7.2	63.0	4.7	0.4	4.9	702.0
3720	0.0	C_SL_FAT1_ENV	Combination	Min	-24.2	-19.7	-8.0	-0.8	-2.8	-116.4
3720	0.1	C_SL_FAT1_ENV	Combination	Min	-24.2	-19.7	-8.0	-0.8	-2.1	-114.5
3721	0.0	C_SL_FAT1_ENV	Combination	Max	7.2	63.0	4.7	0.0	4.9	700.0
3721	0.5	C_SL_FAT1_ENV	Combination	Max	7.2	63.0	4.7	0.0	5.8	674.9
3721	1.0	C_SL_FAT1_ENV	Combination	Max	7.2	63.0	4.7	0.0	7.1	649.9
3721	0.0	C_SL_FAT1_ENV	Combination	Min	-24.2	-19.7	-8.0	-0.1	-2.1	-113.9
3721	0.5	C_SL_FAT1_ENV	Combination	Min	-24.2	-19.7	-8.0	-0.1	-1.5	-106.6
3721	1.0	C_SL_FAT1_ENV	Combination	Min	-24.2	-19.7	-8.0	-0.1	-0.9	-99.3
3722	0.0	C_SL_FAT1_ENV	Combination	Max	9.3	68.7	13.8	0.0	10.0	647.8
3722	0.4	C_SL_FAT1_ENV	Combination	Max	9.3	68.7	13.8	0.0	7.6	626.5
3722	0.7	C_SL_FAT1_ENV	Combination	Max	9.3	68.7	13.8	0.0	5.5	605.3
3722	1.1	C_SL_FAT1_ENV	Combination	Max	9.3	68.7	13.8	0.0	3.9	584.0
3722	0.0	C_SL_FAT1_ENV	Combination	Min	-29.8	-19.1	-5.3	-0.1	-2.3	-104.7
3722	0.4	C_SL_FAT1_ENV	Combination	Min	-29.8	-19.1	-5.3	-0.1	-3.1	-99.4
3722	0.7	C_SL_FAT1_ENV	Combination	Min	-29.8	-19.1	-5.3	-0.1	-4.2	-94.2
3722	1.1	C_SL_FAT1_ENV	Combination	Min	-29.8	-19.1	-5.3	-0.1	-5.3	-88.9

3723	0.0	C_SL_FAT1_ENV	Combination	Max	16.0	74.8	28.8	0.0	13.6	587.5
3723	0.5	C_SL_FAT1_ENV	Combination	Max	16.0	74.8	28.8	0.0	8.7	556.8
3723	0.9	C_SL_FAT1_ENV	Combination	Max	16.0	74.8	28.8	0.0	5.8	526.2
3723	0.0	C_SL_FAT1_ENV	Combination	Min	-44.8	-19.5	-11.0	-0.1	-4.3	-97.8
3723	0.5	C_SL_FAT1_ENV	Combination	Min	-44.8	-19.5	-11.0	-0.1	-8.3	-91.0
3723	0.9	C_SL_FAT1_ENV	Combination	Min	-44.8	-19.5	-11.0	-0.1	-13.5	-84.2
3724	0.0	C_SL_FAT1_ENV	Combination	Max	4.0	82.0	17.1	0.2	9.0	525.9
3724	0.2	C_SL_FAT1_ENV	Combination	Max	4.0	82.0	17.1	0.2	7.5	513.3
3724	0.0	C_SL_FAT1_ENV	Combination	Min	-23.4	-22.4	-45.4	-0.5	-12.1	-84.6
3724	0.2	C_SL_FAT1_ENV	Combination	Min	-23.4	-22.4	-45.4	-0.5	-7.4	-81.7
3725	0.0	C_SL_FAT1_ENV	Combination	Max	7.1	91.0	8.4	0.0	5.7	506.2
3725	0.4	C_SL_FAT1_ENV	Combination	Max	7.1	91.0	8.4	0.0	7.7	474.1
3725	0.7	C_SL_FAT1_ENV	Combination	Max	7.1	91.0	8.4	0.0	10.4	442.0
3725	1.1	C_SL_FAT1_ENV	Combination	Max	7.1	91.0	8.4	0.0	13.9	410.0
3725	0.0	C_SL_FAT1_ENV	Combination	Min	-23.0	-24.2	-24.7	-0.1	-13.2	-87.8
3725	0.4	C_SL_FAT1_ENV	Combination	Min	-23.0	-24.2	-24.7	-0.1	-9.6	-79.6
3725	0.7	C_SL_FAT1_ENV	Combination	Min	-23.0	-24.2	-24.7	-0.1	-6.1	-71.5
3725	1.1	C_SL_FAT1_ENV	Combination	Min	-23.0	-24.2	-24.7	-0.1	-3.5	-63.3
3726	0.0	C_SL_FAT1_ENV	Combination	Max	6.4	97.4	4.8	0.0	3.6	398.8
3726	0.4	C_SL_FAT1_ENV	Combination	Max	6.4	97.4	4.8	0.0	4.9	364.1
3726	0.7	C_SL_FAT1_ENV	Combination	Max	6.4	97.4	4.8	0.0	6.8	329.4
3726	1.1	C_SL_FAT1_ENV	Combination	Max	6.4	97.4	4.8	0.0	8.6	294.7
3726	0.0	C_SL_FAT1_ENV	Combination	Min	-17.1	-25.3	-12.4	-0.1	-5.1	-66.4
3726	0.4	C_SL_FAT1_ENV	Combination	Min	-17.1	-25.3	-12.4	-0.1	-4.0	-57.7
3726	0.7	C_SL_FAT1_ENV	Combination	Min	-17.1	-25.3	-12.4	-0.1	-3.0	-49.0
3726	1.1	C_SL_FAT1_ENV	Combination	Min	-17.1	-25.3	-12.4	-0.1	-2.4	-40.3
3727	0.0	C_SL_FAT1_ENV	Combination	Max	7.9	101.7	7.1	0.1	5.0	286.8
3727	0.4	C_SL_FAT1_ENV	Combination	Max	7.9	101.7	7.1	0.1	5.0	251.0
3727	0.7	C_SL_FAT1_ENV	Combination	Max	7.9	101.7	7.1	0.1	5.1	215.2
3727	1.1	C_SL_FAT1_ENV	Combination	Max	7.9	101.7	7.1	0.1	5.1	179.4
3727	0.0	C_SL_FAT1_ENV	Combination	Min	-13.8	-25.6	-7.3	-0.1	-2.9	-45.1
3727	0.4	C_SL_FAT1_ENV	Combination	Min	-13.8	-25.6	-7.3	-0.1	-2.9	-36.4
3727	0.7	C_SL_FAT1_ENV	Combination	Min	-13.8	-25.6	-7.3	-0.1	-2.8	-27.6
3727	1.1	C_SL_FAT1_ENV	Combination	Min	-13.8	-25.6	-7.3	-0.1	-2.8	-18.9
3728	0.0	C_SL_FAT1_ENV	Combination	Max	7.8	104.3	10.2	0.1	6.1	172.1
3728	0.4	C_SL_FAT1_ENV	Combination	Max	7.8	104.3	10.2	0.1	5.4	137.1

3728	0.7	C_SL_FAT1_ENV	Combination	Max	7.8	104.3	10.2	0.1	4.8	102.1
3728	1.1	C_SL_FAT1_ENV	Combination	Max	7.8	104.3	10.2	0.1	4.1	67.1
3728	0.0	C_SL_FAT1_ENV	Combination	Min	-10.5	-25.4	-7.0	-0.1	-3.8	-24.6
3728	0.4	C_SL_FAT1_ENV	Combination	Min	-10.5	-25.4	-7.0	-0.1	-4.2	-17.4
3728	0.7	C_SL_FAT1_ENV	Combination	Min	-10.5	-25.4	-7.0	-0.1	-4.6	-10.2
3728	1.1	C_SL_FAT1_ENV	Combination	Min	-10.5	-25.4	-7.0	-0.1	-5.0	-3.0
3729	0.0	C_SL_FAT1_ENV	Combination	Max	8.7	105.2	12.9	0.0	4.1	56.2
3729	0.5	C_SL_FAT1_ENV	Combination	Max	8.7	105.2	12.9	0.0	2.0	14.7
3729	0.0	C_SL_FAT1_ENV	Combination	Min	-6.9	-25.8	-10.3	-0.2	-5.7	-6.4
3729	0.5	C_SL_FAT1_ENV	Combination	Min	-6.9	-25.8	-10.3	-0.2	-4.5	-3.0
3730	0.0	C_SL_FAT1_ENV	Combination	Max	31.2	2.3	10.5	0.2	3.7	16.8
3730	0.5	C_SL_FAT1_ENV	Combination	Max	31.2	2.3	10.5	0.2	15.4	184.7
3730	0.0	C_SL_FAT1_ENV	Combination	Min	-14.2	-416.7	-46.5	0.0	-12.7	-70.1
3730	0.5	C_SL_FAT1_ENV	Combination	Min	-14.2	-416.7	-46.5	0.0	-6.7	-32.0
3731	0.0	C_SL_FAT1_ENV	Combination	Max	49.5	8.4	6.4	0.2	4.1	182.6
3731	0.4	C_SL_FAT1_ENV	Combination	Max	49.5	8.4	6.4	0.2	8.0	292.9
3731	0.7	C_SL_FAT1_ENV	Combination	Max	49.5	8.4	6.4	0.2	11.8	403.3
3731	1.1	C_SL_FAT1_ENV	Combination	Max	49.5	8.4	6.4	0.2	15.7	513.6
3731	0.0	C_SL_FAT1_ENV	Combination	Min	-21.7	-346.6	-27.6	-0.1	-14.2	-38.2
3731	0.4	C_SL_FAT1_ENV	Combination	Min	-21.7	-346.6	-27.6	-0.1	-10.5	-37.0
3731	0.7	C_SL_FAT1_ENV	Combination	Min	-21.7	-346.6	-27.6	-0.1	-6.8	-35.8
3731	1.1	C_SL_FAT1_ENV	Combination	Min	-21.7	-346.6	-27.6	-0.1	-3.1	-34.6
3732	0.0	C_SL_FAT1_ENV	Combination	Max	62.3	43.3	15.7	0.1	10.0	500.7
3732	0.4	C_SL_FAT1_ENV	Combination	Max	62.3	43.3	15.7	0.1	10.7	581.5
3732	0.7	C_SL_FAT1_ENV	Combination	Max	62.3	43.3	15.7	0.1	11.4	662.3
3732	1.1	C_SL_FAT1_ENV	Combination	Max	62.3	43.3	15.7	0.1	12.1	743.1
3732	0.0	C_SL_FAT1_ENV	Combination	Min	-26.4	-295.6	-20.9	-0.1	-10.6	-33.9
3732	0.4	C_SL_FAT1_ENV	Combination	Min	-26.4	-295.6	-20.9	-0.1	-9.5	-32.6
3732	0.7	C_SL_FAT1_ENV	Combination	Min	-26.4	-295.6	-20.9	-0.1	-8.3	-31.4
3732	1.1	C_SL_FAT1_ENV	Combination	Min	-26.4	-295.6	-20.9	-0.1	-7.1	-30.2
3733	0.0	C_SL_FAT1_ENV	Combination	Max	72.9	90.1	24.8	0.1	15.2	728.4
3733	0.4	C_SL_FAT1_ENV	Combination	Max	72.9	90.1	24.8	0.1	13.1	784.9
3733	0.7	C_SL_FAT1_ENV	Combination	Max	72.9	90.1	24.8	0.1	11.0	841.4
3733	1.1	C_SL_FAT1_ENV	Combination	Max	72.9	90.1	24.8	0.1	8.8	897.9
3733	0.0	C_SL_FAT1_ENV	Combination	Min	-34.2	-257.6	-14.9	-0.1	-7.8	-29.8
3733	0.4	C_SL_FAT1_ENV	Combination	Min	-34.2	-257.6	-14.9	-0.1	-9.1	-28.6

3733	0.7	C_SL_FAT1_ENV	Combination	Min	-34.2	-257.6	-14.9	-0.1	-10.5	-27.4
3733	1.1	C_SL_FAT1_ENV	Combination	Min	-34.2	-257.6	-14.9	-0.1	-11.8	-26.1
3734	0.0	C_SL_FAT1_ENV	Combination	Max	86.5	125.9	39.1	0.1	22.2	882.7
3734	0.4	C_SL_FAT1_ENV	Combination	Max	86.5	125.9	39.1	0.1	16.9	922.5
3734	0.7	C_SL_FAT1_ENV	Combination	Max	86.5	125.9	39.1	0.1	11.5	962.2
3734	1.1	C_SL_FAT1_ENV	Combination	Max	86.5	125.9	39.1	0.1	6.2	1002.0
3734	0.0	C_SL_FAT1_ENV	Combination	Min	-46.1	-232.5	-12.0	-0.1	-7.2	-26.0
3734	0.4	C_SL_FAT1_ENV	Combination	Min	-46.1	-232.5	-12.0	-0.1	-11.5	-24.9
3734	0.7	C_SL_FAT1_ENV	Combination	Min	-46.1	-232.5	-12.0	-0.1	-15.8	-23.7
3734	1.1	C_SL_FAT1_ENV	Combination	Min	-46.1	-232.5	-12.0	-0.1	-20.1	-22.5
3735	0.0	C_SL_FAT1_ENV	Combination	Max	93.2	151.5	65.5	0.4	11.1	988.7
3735	0.2	C_SL_FAT1_ENV	Combination	Max	93.2	151.5	65.5	0.4	9.3	992.7
3735	0.0	C_SL_FAT1_ENV	Combination	Min	-49.0	-220.7	-16.6	-0.7	-15.0	-22.6
3735	0.2	C_SL_FAT1_ENV	Combination	Min	-49.0	-220.7	-16.6	-0.7	-16.1	-22.1
3736	0.0	C_SL_FAT1_ENV	Combination	Max	106.8	104.2	11.1	0.2	4.8	992.8
3736	0.5	C_SL_FAT1_ENV	Combination	Max	106.8	104.2	11.1	0.2	13.7	1055.6
3736	0.9	C_SL_FAT1_ENV	Combination	Max	106.8	104.2	11.1	0.2	22.6	1118.3
3736	0.0	C_SL_FAT1_ENV	Combination	Min	-43.8	-259.3	-43.9	-0.1	-17.7	-22.1
3736	0.5	C_SL_FAT1_ENV	Combination	Min	-43.8	-259.3	-43.9	-0.1	-12.1	-20.9
3736	0.9	C_SL_FAT1_ENV	Combination	Min	-43.8	-259.3	-43.9	-0.1	-6.5	-19.7
3737	0.0	C_SL_FAT1_ENV	Combination	Max	88.5	119.4	12.8	0.1	7.6	1116.5
3737	0.4	C_SL_FAT1_ENV	Combination	Max	88.5	119.4	12.8	0.1	10.6	1155.0
3737	0.7	C_SL_FAT1_ENV	Combination	Max	88.5	119.4	12.8	0.1	13.6	1193.4
3737	1.1	C_SL_FAT1_ENV	Combination	Max	88.5	119.4	12.8	0.1	16.6	1231.8
3737	0.0	C_SL_FAT1_ENV	Combination	Min	-33.8	-238.5	-26.8	-0.1	-12.5	-20.2
3737	0.4	C_SL_FAT1_ENV	Combination	Min	-33.8	-238.5	-26.8	-0.1	-10.5	-19.3
3737	0.7	C_SL_FAT1_ENV	Combination	Min	-33.8	-238.5	-26.8	-0.1	-8.6	-18.4
3737	1.1	C_SL_FAT1_ENV	Combination	Min	-33.8	-238.5	-26.8	-0.1	-6.7	-17.5
3738	0.0	C_SL_FAT1_ENV	Combination	Max	81.6	141.0	20.3	0.1	12.6	1226.6
3738	0.5	C_SL_FAT1_ENV	Combination	Max	81.6	141.0	20.3	0.1	10.7	1260.6
3738	1.0	C_SL_FAT1_ENV	Combination	Max	81.6	141.0	20.3	0.1	8.9	1294.7
3738	0.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-216.6	-15.8	-0.2	-7.2	-18.0
3738	0.5	C_SL_FAT1_ENV	Combination	Min	-27.2	-216.6	-15.8	-0.2	-7.4	-16.9
3738	1.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-216.6	-15.8	-0.2	-7.6	-15.8
3739	0.0	C_SL_FAT1_ENV	Combination	Max	81.6	141.0	20.3	1.6	8.9	1289.1
3739	0.1	C_SL_FAT1_ENV	Combination	Max	81.6	141.0	20.3	1.6	10.7	1307.6

3739	0.0	C_SL_FAT1_ENV	Combination	Min	-27.2	-216.6	-15.8	-1.3	-7.6	-15.4
3739	0.1	C_SL_FAT1_ENV	Combination	Min	-27.2	-216.6	-15.8	-1.3	-9.9	-15.1
3740	0.0	C_SL_FAT1_ENV	Combination	Max	85.6	161.7	33.6	0.1	21.6	1297.6
3740	0.4	C_SL_FAT1_ENV	Combination	Max	85.6	161.7	33.6	0.1	16.7	1315.7
3740	0.7	C_SL_FAT1_ENV	Combination	Max	85.6	161.7	33.6	0.1	11.8	1333.8
3740	1.1	C_SL_FAT1_ENV	Combination	Max	85.6	161.7	33.6	0.1	6.9	1351.9
3740	0.0	C_SL_FAT1_ENV	Combination	Min	-33.9	-197.2	-11.6	-0.2	-6.3	-15.6
3740	0.4	C_SL_FAT1_ENV	Combination	Min	-33.9	-197.2	-11.6	-0.2	-9.2	-14.8
3740	0.7	C_SL_FAT1_ENV	Combination	Min	-33.9	-197.2	-11.6	-0.2	-12.0	-14.1
3740	1.1	C_SL_FAT1_ENV	Combination	Min	-33.9	-197.2	-11.6	-0.2	-14.9	-13.3
3741	0.0	C_SL_FAT1_ENV	Combination	Max	98.7	179.8	52.6	0.2	25.4	1338.7
3741	0.4	C_SL_FAT1_ENV	Combination	Max	98.7	179.8	52.6	0.2	14.9	1341.7
3741	0.8	C_SL_FAT1_ENV	Combination	Max	98.7	179.8	52.6	0.2	4.5	1344.7
3741	0.0	C_SL_FAT1_ENV	Combination	Min	-43.4	-184.8	-11.9	-0.4	-9.3	-13.7
3741	0.4	C_SL_FAT1_ENV	Combination	Min	-43.4	-184.8	-11.9	-0.4	-13.7	-12.9
3741	0.8	C_SL_FAT1_ENV	Combination	Min	-43.4	-184.8	-11.9	-0.4	-18.0	-12.1
3742	0.0	C_SL_FAT1_ENV	Combination	Max	119.7	143.1	16.2	0.6	4.9	1345.0
3742	0.3	C_SL_FAT1_ENV	Combination	Max	119.7	143.1	16.2	0.6	12.4	1376.7
3742	0.0	C_SL_FAT1_ENV	Combination	Min	-36.4	-226.2	-63.3	-0.5	-16.9	-12.1
3742	0.3	C_SL_FAT1_ENV	Combination	Min	-36.4	-226.2	-63.3	-0.5	-12.8	-11.7
3743	0.0	C_SL_FAT1_ENV	Combination	Max	103.0	151.6	10.5	0.1	5.9	1375.1
3743	0.4	C_SL_FAT1_ENV	Combination	Max	103.0	151.6	10.5	0.1	12.0	1389.8
3743	0.7	C_SL_FAT1_ENV	Combination	Max	103.0	151.6	10.5	0.1	18.1	1404.6
3743	1.1	C_SL_FAT1_ENV	Combination	Max	103.0	151.6	10.5	0.1	24.3	1419.3
3743	0.0	C_SL_FAT1_ENV	Combination	Min	-34.8	-210.4	-40.3	-0.2	-19.4	-12.2
3743	0.4	C_SL_FAT1_ENV	Combination	Min	-34.8	-210.4	-40.3	-0.2	-15.0	-11.6
3743	0.7	C_SL_FAT1_ENV	Combination	Min	-34.8	-210.4	-40.3	-0.2	-10.5	-11.1
3743	1.1	C_SL_FAT1_ENV	Combination	Min	-34.8	-210.4	-40.3	-0.2	-6.1	-10.5
3744	0.0	C_SL_FAT1_ENV	Combination	Max	85.1	166.9	13.8	0.1	10.3	1422.6
3744	0.4	C_SL_FAT1_ENV	Combination	Max	85.1	166.9	13.8	0.1	12.8	1427.7
3744	0.8	C_SL_FAT1_ENV	Combination	Max	85.1	166.9	13.8	0.1	15.3	1432.8
3744	1.1	C_SL_FAT1_ENV	Combination	Max	85.1	166.9	13.8	0.1	17.8	1438.0
3744	0.0	C_SL_FAT1_ENV	Combination	Min	-25.0	-189.5	-24.4	-0.2	-10.9	-11.1
3744	0.4	C_SL_FAT1_ENV	Combination	Min	-25.0	-189.5	-24.4	-0.2	-9.7	-10.7
3744	0.8	C_SL_FAT1_ENV	Combination	Min	-25.0	-189.5	-24.4	-0.2	-8.4	-10.3
3744	1.1	C_SL_FAT1_ENV	Combination	Min	-25.0	-189.5	-24.4	-0.2	-7.1	-10.0

3745	0.0	C_SL_FAT1_ENV	Combination	Max	80.9	188.4	24.6	0.1	17.9	1435.8
3745	0.4	C_SL_FAT1_ENV	Combination	Max	80.9	188.4	24.6	0.1	15.4	1431.3
3745	0.8	C_SL_FAT1_ENV	Combination	Max	80.9	188.4	24.6	0.1	12.9	1426.8
3745	1.1	C_SL_FAT1_ENV	Combination	Max	80.9	188.4	24.6	0.1	10.4	1422.3
3745	0.0	C_SL_FAT1_ENV	Combination	Min	-27.7	-167.7	-14.4	-0.3	-7.4	-10.0
3745	0.4	C_SL_FAT1_ENV	Combination	Min	-27.7	-167.7	-14.4	-0.3	-8.7	-10.3
3745	0.8	C_SL_FAT1_ENV	Combination	Min	-27.7	-167.7	-14.4	-0.3	-9.9	-10.7
3745	1.1	C_SL_FAT1_ENV	Combination	Min	-27.7	-167.7	-14.4	-0.3	-11.1	-11.1
3746	0.0	C_SL_FAT1_ENV	Combination	Max	90.8	209.0	41.3	0.1	24.5	1415.0
3746	0.4	C_SL_FAT1_ENV	Combination	Max	90.8	209.0	41.3	0.1	18.4	1401.5
3746	0.7	C_SL_FAT1_ENV	Combination	Max	90.8	209.0	41.3	0.1	12.3	1387.9
3746	1.1	C_SL_FAT1_ENV	Combination	Max	90.8	209.0	41.3	0.1	6.2	1374.4
3746	0.0	C_SL_FAT1_ENV	Combination	Min	-40.1	-152.3	-11.1	-0.3	-6.9	-10.6
3746	0.4	C_SL_FAT1_ENV	Combination	Min	-40.1	-152.3	-11.1	-0.3	-11.3	-11.1
3746	0.7	C_SL_FAT1_ENV	Combination	Min	-40.1	-152.3	-11.1	-0.3	-15.8	-11.7
3746	1.1	C_SL_FAT1_ENV	Combination	Min	-40.1	-152.3	-11.1	-0.3	-20.2	-12.2
3747	0.0	C_SL_FAT1_ENV	Combination	Max	98.7	225.1	64.5	0.4	9.4	1373.5
3747	0.3	C_SL_FAT1_ENV	Combination	Max	98.7	225.1	64.5	0.4	4.2	1342.9
3747	0.0	C_SL_FAT1_ENV	Combination	Min	-45.1	-144.3	-14.6	-0.8	-15.2	-11.7
3747	0.3	C_SL_FAT1_ENV	Combination	Min	-45.1	-144.3	-14.6	-0.8	-18.3	-12.1
3748	0.0	C_SL_FAT1_ENV	Combination	Max	116.8	184.0	11.6	0.2	4.9	1343.0
3748	0.4	C_SL_FAT1_ENV	Combination	Max	116.8	184.0	11.6	0.2	15.4	1342.1
3748	0.8	C_SL_FAT1_ENV	Combination	Max	116.8	184.0	11.6	0.2	26.1	1341.1
3748	0.0	C_SL_FAT1_ENV	Combination	Min	-36.6	-181.5	-51.9	-0.3	-16.9	-12.1
3748	0.4	C_SL_FAT1_ENV	Combination	Min	-36.6	-181.5	-51.9	-0.3	-12.2	-12.9
3748	0.8	C_SL_FAT1_ENV	Combination	Min	-36.6	-181.5	-51.9	-0.3	-7.4	-13.6
3749	0.0	C_SL_FAT1_ENV	Combination	Max	95.2	196.3	10.5	0.1	6.2	1349.6
3749	0.4	C_SL_FAT1_ENV	Combination	Max	95.2	196.3	10.5	0.1	11.3	1333.1
3749	0.7	C_SL_FAT1_ENV	Combination	Max	95.2	196.3	10.5	0.1	16.4	1316.5
3749	1.1	C_SL_FAT1_ENV	Combination	Max	95.2	196.3	10.5	0.1	21.5	1300.0
3749	0.0	C_SL_FAT1_ENV	Combination	Min	-29.7	-163.6	-33.3	-0.3	-14.6	-13.3
3749	0.4	C_SL_FAT1_ENV	Combination	Min	-29.7	-163.6	-33.3	-0.3	-11.6	-14.0
3749	0.7	C_SL_FAT1_ENV	Combination	Min	-29.7	-163.6	-33.3	-0.3	-8.6	-14.7
3749	1.1	C_SL_FAT1_ENV	Combination	Min	-29.7	-163.6	-33.3	-0.3	-5.6	-15.4
3750	0.0	C_SL_FAT1_ENV	Combination	Max	83.6	215.2	15.4	1.2	10.3	1303.9
3750	0.1	C_SL_FAT1_ENV	Combination	Max	83.6	215.2	15.4	1.2	8.6	1285.7

3750	0.0	C_SL_FAT1_ENV	Combination	Min	-27.4	-142.7	-20.2	-1.7	-10.0	-15.0
3750	0.1	C_SL_FAT1_ENV	Combination	Min	-27.4	-142.7	-20.2	-1.7	-7.7	-15.2
3751	0.0	C_SL_FAT1_ENV	Combination	Max	83.6	215.2	15.4	0.1	8.6	1291.0
3751	0.5	C_SL_FAT1_ENV	Combination	Max	83.6	215.2	15.4	0.1	10.7	1259.0
3751	1.0	C_SL_FAT1_ENV	Combination	Max	83.6	215.2	15.4	0.1	12.7	1227.0
3751	0.0	C_SL_FAT1_ENV	Combination	Min	-27.4	-142.7	-20.2	-0.2	-7.7	-15.6
3751	0.5	C_SL_FAT1_ENV	Combination	Min	-27.4	-142.7	-20.2	-0.2	-7.3	-16.7
3751	1.0	C_SL_FAT1_ENV	Combination	Min	-27.4	-142.7	-20.2	-0.2	-7.0	-17.7
3752	0.0	C_SL_FAT1_ENV	Combination	Max	82.7	236.6	27.0	0.1	16.7	1225.5
3752	0.4	C_SL_FAT1_ENV	Combination	Max	82.7	236.6	27.0	0.1	13.8	1188.5
3752	0.7	C_SL_FAT1_ENV	Combination	Max	82.7	236.6	27.0	0.1	10.9	1151.6
3752	1.1	C_SL_FAT1_ENV	Combination	Max	82.7	236.6	27.0	0.1	8.0	1114.6
3752	0.0	C_SL_FAT1_ENV	Combination	Min	-36.9	-120.9	-13.6	-0.2	-7.0	-17.2
3752	0.4	C_SL_FAT1_ENV	Combination	Min	-36.9	-120.9	-13.6	-0.2	-8.9	-18.0
3752	0.7	C_SL_FAT1_ENV	Combination	Min	-36.9	-120.9	-13.6	-0.2	-10.7	-18.8
3752	1.1	C_SL_FAT1_ENV	Combination	Min	-36.9	-120.9	-13.6	-0.2	-12.6	-19.7
3753	0.0	C_SL_FAT1_ENV	Combination	Max	92.0	257.3	45.5	0.0	22.8	1111.2
3753	0.5	C_SL_FAT1_ENV	Combination	Max	92.0	257.3	45.5	0.0	13.4	1051.2
3753	0.9	C_SL_FAT1_ENV	Combination	Max	92.0	257.3	45.5	0.0	4.1	991.1
3753	0.0	C_SL_FAT1_ENV	Combination	Min	-49.6	-105.9	-11.0	-0.2	-7.5	-19.2
3753	0.5	C_SL_FAT1_ENV	Combination	Min	-49.6	-105.9	-11.0	-0.2	-13.2	-20.3
3753	0.9	C_SL_FAT1_ENV	Combination	Min	-49.6	-105.9	-11.0	-0.2	-19.0	-21.4
3754	0.0	C_SL_FAT1_ENV	Combination	Max	114.6	218.7	14.9	0.7	9.3	991.4
3754	0.2	C_SL_FAT1_ENV	Combination	Max	114.6	218.7	14.9	0.7	12.9	987.9
3754	0.0	C_SL_FAT1_ENV	Combination	Min	-43.0	-153.6	-67.4	-0.4	-15.2	-21.4
3754	0.2	C_SL_FAT1_ENV	Combination	Min	-43.0	-153.6	-67.4	-0.4	-12.8	-21.9
3755	0.0	C_SL_FAT1_ENV	Combination	Max	97.3	230.5	9.9	0.1	5.4	997.6
3755	0.4	C_SL_FAT1_ENV	Combination	Max	97.3	230.5	9.9	0.1	11.2	960.0
3755	0.7	C_SL_FAT1_ENV	Combination	Max	97.3	230.5	9.9	0.1	17.1	922.3
3755	1.1	C_SL_FAT1_ENV	Combination	Max	97.3	230.5	9.9	0.1	22.9	884.7
3755	0.0	C_SL_FAT1_ENV	Combination	Min	-38.7	-128.6	-40.3	-0.2	-20.7	-21.8
3755	0.4	C_SL_FAT1_ENV	Combination	Min	-38.7	-128.6	-40.3	-0.2	-15.6	-22.8
3755	0.7	C_SL_FAT1_ENV	Combination	Min	-38.7	-128.6	-40.3	-0.2	-10.6	-23.9
3755	1.1	C_SL_FAT1_ENV	Combination	Min	-38.7	-128.6	-40.3	-0.2	-5.6	-24.9
3756	0.0	C_SL_FAT1_ENV	Combination	Max	73.7	255.3	13.7	0.1	8.2	894.1
3756	0.4	C_SL_FAT1_ENV	Combination	Max	73.7	255.3	13.7	0.1	10.8	839.6

3756	0.7	C_SL_FAT1_ENV	Combination	Max	73.7	255.3	13.7	0.1	13.3	785.0
3756	1.1	C_SL_FAT1_ENV	Combination	Max	73.7	255.3	13.7	0.1	15.8	730.4
3756	0.0	C_SL_FAT1_ENV	Combination	Min	-31.0	-92.9	-25.7	-0.2	-12.2	-25.0
3756	0.4	C_SL_FAT1_ENV	Combination	Min	-31.0	-92.9	-25.7	-0.2	-10.4	-26.1
3756	0.7	C_SL_FAT1_ENV	Combination	Min	-31.0	-92.9	-25.7	-0.2	-8.7	-27.2
3756	1.1	C_SL_FAT1_ENV	Combination	Min	-31.0	-92.9	-25.7	-0.2	-6.9	-28.3
3757	0.0	C_SL_FAT1_ENV	Combination	Max	52.6	292.3	21.2	0.1	12.2	737.9
3757	0.4	C_SL_FAT1_ENV	Combination	Max	52.6	292.3	21.2	0.1	11.4	658.9
3757	0.7	C_SL_FAT1_ENV	Combination	Max	52.6	292.3	21.2	0.1	10.7	579.9
3757	1.1	C_SL_FAT1_ENV	Combination	Max	52.6	292.3	21.2	0.1	10.0	501.0
3757	0.0	C_SL_FAT1_ENV	Combination	Min	-25.6	-45.3	-15.8	-0.2	-7.3	-28.7
3757	0.4	C_SL_FAT1_ENV	Combination	Min	-25.6	-45.3	-15.8	-0.2	-8.5	-29.8
3757	0.7	C_SL_FAT1_ENV	Combination	Min	-25.6	-45.3	-15.8	-0.2	-9.7	-30.9
3757	1.1	C_SL_FAT1_ENV	Combination	Min	-25.6	-45.3	-15.8	-0.2	-10.9	-31.9
3758	0.0	C_SL_FAT1_ENV	Combination	Max	33.5	342.6	29.2	0.1	16.7	508.1
3758	0.4	C_SL_FAT1_ENV	Combination	Max	33.5	342.6	29.2	0.1	12.6	399.4
3758	0.7	C_SL_FAT1_ENV	Combination	Max	33.5	342.6	29.2	0.1	8.6	290.8
3758	1.1	C_SL_FAT1_ENV	Combination	Max	33.5	342.6	29.2	0.1	4.5	182.2
3758	0.0	C_SL_FAT1_ENV	Combination	Min	-21.6	-9.2	-7.2	-0.2	-3.4	-32.8
3758	0.4	C_SL_FAT1_ENV	Combination	Min	-21.6	-9.2	-7.2	-0.2	-7.3	-33.8
3758	0.7	C_SL_FAT1_ENV	Combination	Min	-21.6	-9.2	-7.2	-0.2	-11.3	-34.9
3758	1.1	C_SL_FAT1_ENV	Combination	Min	-21.6	-9.2	-7.2	-0.2	-15.3	-35.9
3759	0.0	C_SL_FAT1_ENV	Combination	Max	12.6	412.8	48.5	0.0	15.5	181.3
3759	0.5	C_SL_FAT1_ENV	Combination	Max	12.6	412.8	48.5	0.0	3.6	17.5
3759	0.0	C_SL_FAT1_ENV	Combination	Min	-20.0	-2.1	-11.1	-0.2	-6.9	-29.4
3759	0.5	C_SL_FAT1_ENV	Combination	Min	-20.0	-2.1	-11.1	-0.2	-13.0	-68.1

Reazioni vincolari e spostameni – FASE 2

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

10.1.6 Fase sismica

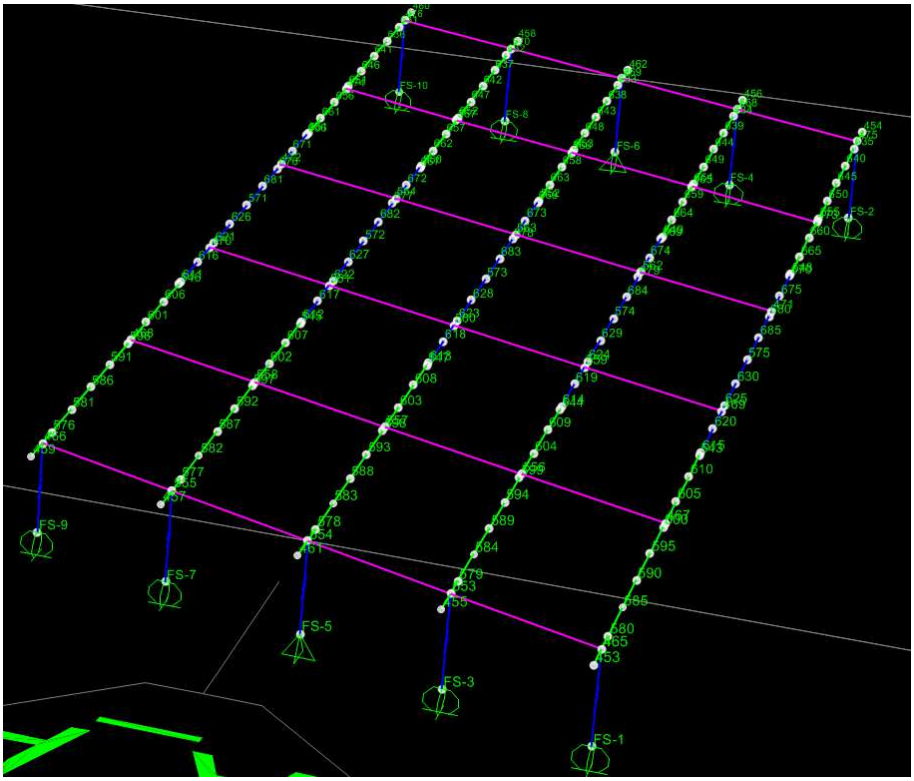


Figura 12 – Numerazione Joints modello FEM – Fase sismica.

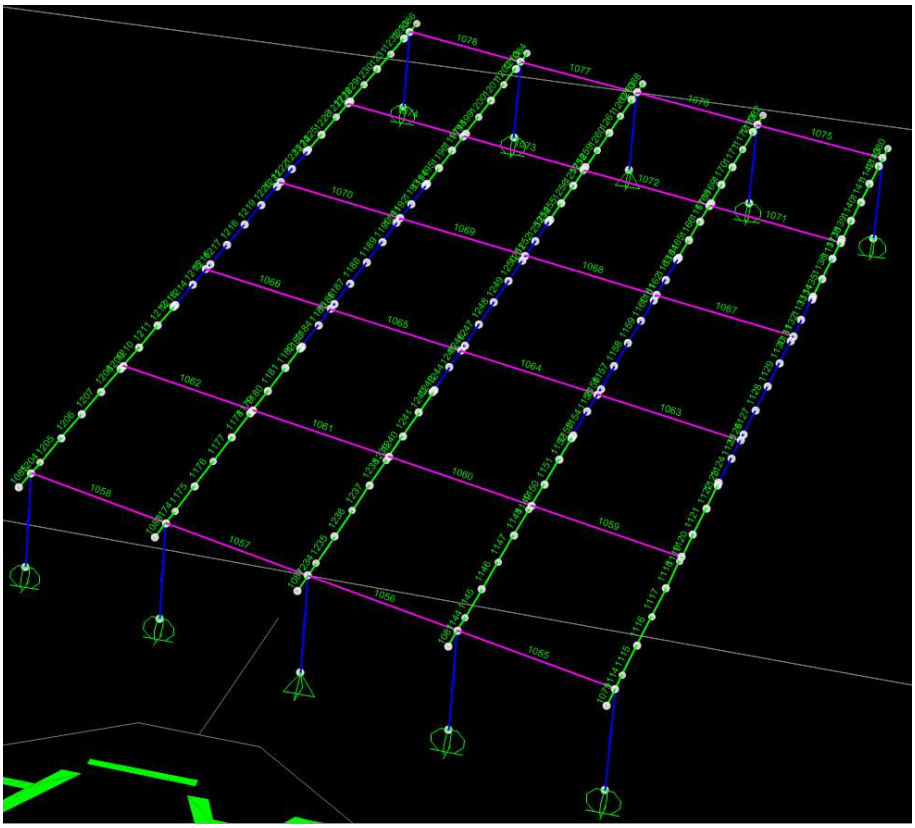


Figura 13 – Numerazione Frames modello FEM – Fase sismica.

Carichi e combinazioni di carico – FASE sismica

I carichi applicati alla struttura e la loro combinazione sono oggetto dei §5.2 e §5.3.

Sollecitazioni travi – FASE sismica

TABLE: Element Forces - Frames										
Frame	**Station**	**OutputCase**	**CaseType**	**StepType**	**P**	**V2**	**V3**	**T**	**M2**	**M3**
Text	mm	Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
1079	0.0	C_SLV_ENV	Combination	Max	30.9	47.7	26.8	0.2	31.0	19.2
1079	296.3	C_SLV_ENV	Combination	Max	30.9	48.8	26.8	0.2	24.2	11.9
1079	592.7	C_SLV_ENV	Combination	Max	30.9	49.8	26.8	0.2	17.6	4.3
1079	0.0	C_SLV_ENV	Combination	Min	-34.7	23.5	-6.4	-0.3	-32.2	-26.5
1079	296.3	C_SLV_ENV	Combination	Min	-34.7	24.5	-6.4	-0.3	-31.4	-40.5
1079	592.7	C_SLV_ENV	Combination	Min	-34.7	25.5	-6.4	-0.3	-30.9	-54.9
1080	0.0	C_SLV_ENV	Combination	Max	25.9	-33.4	-7.1	0.2	14.4	-8.4
1080	296.3	C_SLV_ENV	Combination	Max	25.9	-32.4	-7.1	0.2	17.7	1.8
1080	592.7	C_SLV_ENV	Combination	Max	25.9	-31.4	-7.1	0.2	21.0	11.7
1080	0.0	C_SLV_ENV	Combination	Min	-11.9	-42.1	-16.4	0.0	-29.4	-41.5
1080	296.3	C_SLV_ENV	Combination	Min	-11.9	-41.1	-16.4	0.0	-25.7	-29.6
1080	592.7	C_SLV_ENV	Combination	Min	-11.9	-40.1	-16.4	0.0	-22.1	-18.1
1081	0.0	C_SLV_ENV	Combination	Max	47.8	35.3	57.7	0.1	43.8	38.6
1081	296.3	C_SLV_ENV	Combination	Max	47.8	36.3	57.7	0.1	34.4	30.8
1081	592.7	C_SLV_ENV	Combination	Max	47.8	37.3	57.7	0.1	30.2	22.8
1081	0.0	C_SLV_ENV	Combination	Min	-49.6	9.6	-68.6	-0.2	-44.3	-29.3
1081	296.3	C_SLV_ENV	Combination	Min	-49.6	10.6	-68.6	-0.2	-31.7	-35.0
1081	592.7	C_SLV_ENV	Combination	Min	-49.6	11.6	-68.6	-0.2	-24.3	-41.2
1082	0.0	C_SLV_ENV	Combination	Max	8.0	-14.3	23.4	0.2	36.0	12.4
1082	296.3	C_SLV_ENV	Combination	Max	8.0	-13.2	23.4	0.2	29.7	17.0
1082	592.7	C_SLV_ENV	Combination	Max	8.0	-12.2	23.4	0.2	23.7	21.5
1082	0.0	C_SLV_ENV	Combination	Min	-20.6	-33.9	-10.1	-0.2	-29.4	-29.9
1082	296.3	C_SLV_ENV	Combination	Min	-20.6	-32.9	-10.1	-0.2	-27.1	-20.6
1082	592.7	C_SLV_ENV	Combination	Min	-20.6	-31.9	-10.1	-0.2	-25.0	-11.7

1083	0.0	C_SLV_ENV	Combination	Max	80.6	36.4	62.6	0.3	34.9	36.9
1083	296.3	C_SLV_ENV	Combination	Max	80.6	37.4	62.6	0.3	25.7	28.1
1083	592.7	C_SLV_ENV	Combination	Max	80.6	38.4	62.6	0.3	27.6	19.2
1083	0.0	C_SLV_ENV	Combination	Min	-94.5	7.3	-47.6	-0.3	-34.9	-26.3
1083	296.3	C_SLV_ENV	Combination	Min	-94.5	8.3	-47.6	-0.3	-30.1	-30.7
1083	592.7	C_SLV_ENV	Combination	Min	-94.5	9.3	-47.6	-0.3	-36.4	-35.7
1084	0.0	C_SLV_ENV	Combination	Max	34.8	-20.4	4.5	0.1	24.4	19.0
1084	296.3	C_SLV_ENV	Combination	Max	34.8	-19.4	4.5	0.1	28.2	25.1
1084	592.7	C_SLV_ENV	Combination	Max	34.8	-18.4	4.5	0.1	32.1	30.9
1084	0.0	C_SLV_ENV	Combination	Min	-36.7	-28.3	-16.2	-0.2	-32.2	-36.9
1084	296.3	C_SLV_ENV	Combination	Min	-36.7	-27.3	-16.2	-0.2	-32.5	-28.8
1084	592.7	C_SLV_ENV	Combination	Min	-36.7	-26.3	-16.2	-0.2	-33.0	-21.0
1085	0.0	C_SLV_ENV	Combination	Max	25.1	53.5	8.6	0.3	25.2	14.8
1085	296.3	C_SLV_ENV	Combination	Max	25.1	54.5	8.6	0.3	25.6	8.7
1085	592.7	C_SLV_ENV	Combination	Max	25.1	55.5	8.6	0.3	29.2	2.2
1085	0.0	C_SLV_ENV	Combination	Min	-9.2	19.9	-34.3	-0.2	-24.4	-24.4
1085	296.3	C_SLV_ENV	Combination	Min	-9.2	20.9	-34.3	-0.2	-17.2	-40.2
1085	592.7	C_SLV_ENV	Combination	Min	-9.2	21.9	-34.3	-0.2	-13.2	-56.4
1086	0.0	C_SLV_ENV	Combination	Max	17.8	-33.7	17.5	0.1	29.9	-12.9
1086	296.3	C_SLV_ENV	Combination	Max	17.8	-32.6	17.5	0.1	28.4	-2.5
1086	592.7	C_SLV_ENV	Combination	Max	17.8	-31.6	17.5	0.1	27.0	7.6
1086	0.0	C_SLV_ENV	Combination	Min	-21.3	-43.1	3.8	-0.2	-16.3	-41.7
1086	296.3	C_SLV_ENV	Combination	Min	-21.3	-42.1	3.8	-0.2	-21.1	-29.6
1086	592.7	C_SLV_ENV	Combination	Min	-21.3	-41.1	3.8	-0.2	-26.0	-17.9
1087	0.0	C_SLV_ENV	Combination	Max	151.6	72.4	38.2	1.5	30.7	70.8
1087	296.3	C_SLV_ENV	Combination	Max	151.6	73.4	38.2	1.5	38.6	49.2
1087	592.7	C_SLV_ENV	Combination	Max	151.6	74.4	38.2	1.5	48.4	27.3
1087	0.0	C_SLV_ENV	Combination	Min	-147.8	-26.7	-37.0	-1.6	-31.0	-70.9
1087	296.3	C_SLV_ENV	Combination	Min	-147.8	-25.6	-37.0	-1.6	-39.2	-63.1
1087	592.7	C_SLV_ENV	Combination	Min	-147.8	-24.6	-37.0	-1.6	-49.4	-55.7

1088	0.0	C_SLV_ENV	Combination	Max	30.0	-15.2	26.0	1.6	45.4	0.3
1088	296.3	C_SLV_ENV	Combination	Max	30.0	-14.2	26.0	1.6	38.0	8.2
1088	592.7	C_SLV_ENV	Combination	Max	30.0	-13.2	26.0	1.6	30.8	17.5
1088	0.0	C_SLV_ENV	Combination	Min	-26.1	-34.7	-25.6	-1.6	-46.1	-28.5
1088	296.3	C_SLV_ENV	Combination	Min	-26.1	-33.7	-25.6	-1.6	-38.9	-22.0
1088	592.7	C_SLV_ENV	Combination	Min	-26.1	-32.6	-25.6	-1.6	-31.8	-17.3
1114	0.0	C_SLV_ENV	Combination	Max	85.2	-322.9	135.8	0.5	25.9	8.2
1114	484.9	C_SLV_ENV	Combination	Max	85.2	-321.2	135.8	0.5	54.1	238.8
1114	0.0	C_SLV_ENV	Combination	Min	-57.6	-521.2	-201.3	-0.1	-43.6	-58.9
1114	484.9	C_SLV_ENV	Combination	Min	-57.6	-519.6	-201.3	-0.1	-40.0	119.0
1115	0.0	C_SLV_ENV	Combination	Max	64.9	-278.2	158.2	0.1	90.6	234.4
1115	359.2	C_SLV_ENV	Combination	Max	64.9	-277.0	158.2	0.1	33.8	380.9
1115	718.4	C_SLV_ENV	Combination	Max	64.9	-275.7	158.2	0.1	31.5	541.6
1115	1077.6	C_SLV_ENV	Combination	Max	64.9	-274.5	158.2	0.1	101.1	705.5
1115	0.0	C_SLV_ENV	Combination	Min	-58.0	-484.2	-193.8	0.0	-107.8	124.6
1115	359.2	C_SLV_ENV	Combination	Min	-58.0	-482.9	-193.8	0.0	-38.1	251.5
1115	718.4	C_SLV_ENV	Combination	Min	-58.0	-481.7	-193.8	0.0	-23.0	363.3
1115	1077.6	C_SLV_ENV	Combination	Min	-58.0	-480.4	-193.8	0.0	-79.8	471.0
1116	0.0	C_SLV_ENV	Combination	Max	143.1	-236.4	170.8	0.0	94.3	695.4
1116	359.2	C_SLV_ENV	Combination	Max	143.1	-235.2	170.8	0.0	33.0	832.8
1116	718.4	C_SLV_ENV	Combination	Max	143.1	-234.0	170.8	0.0	35.0	977.3
1116	1077.6	C_SLV_ENV	Combination	Max	143.1	-232.7	170.8	0.0	99.2	1125.8
1116	0.0	C_SLV_ENV	Combination	Min	-151.8	-440.8	-178.9	0.0	-93.6	477.6
1116	359.2	C_SLV_ENV	Combination	Min	-151.8	-439.5	-178.9	0.0	-29.3	583.0
1116	718.4	C_SLV_ENV	Combination	Min	-151.8	-438.3	-178.9	0.0	-28.4	680.4
1116	1077.6	C_SLV_ENV	Combination	Min	-151.8	-437.0	-178.9	0.0	-89.8	772.9
1117	0.0	C_SLV_ENV	Combination	Max	250.4	-199.4	178.5	0.0	97.0	1115.5
1117	359.2	C_SLV_ENV	Combination	Max	250.4	-198.2	178.5	0.0	32.9	1237.2
1117	718.4	C_SLV_ENV	Combination	Max	250.4	-196.9	178.5	0.0	32.6	1363.3
1117	1077.6	C_SLV_ENV	Combination	Max	250.4	-195.7	178.5	0.0	89.0	1493.8

1117	0.0	C_SLV_ENV	Combination	Min	-263.2	-394.8	-157.2	-0.1	-80.4	769.2
1117	359.2	C_SLV_ENV	Combination	Min	-263.2	-393.5	-157.2	-0.1	-24.0	860.6
1117	718.4	C_SLV_ENV	Combination	Min	-263.2	-392.3	-157.2	-0.1	-31.3	946.5
1117	1077.6	C_SLV_ENV	Combination	Min	-263.2	-391.1	-157.2	-0.1	-95.4	1027.3
1118	0.0	C_SLV_ENV	Combination	Max	357.9	-167.5	185.7	-0.1	95.8	1480.5
1118	359.2	C_SLV_ENV	Combination	Max	357.9	-166.3	185.7	-0.1	29.2	1586.9
1118	718.4	C_SLV_ENV	Combination	Max	357.9	-165.0	185.7	-0.1	25.0	1696.2
1118	1077.6	C_SLV_ENV	Combination	Max	357.9	-163.8	185.7	-0.1	70.7	1809.2
1118	0.0	C_SLV_ENV	Combination	Min	-363.9	-348.2	-127.2	-0.1	-66.4	1015.9
1118	359.2	C_SLV_ENV	Combination	Min	-363.9	-347.0	-127.2	-0.1	-20.7	1094.3
1118	718.4	C_SLV_ENV	Combination	Min	-363.9	-345.7	-127.2	-0.1	-37.6	1168.9
1118	1077.6	C_SLV_ENV	Combination	Min	-363.9	-344.5	-127.2	-0.1	-104.3	1238.9
1119	0.0	C_SLV_ENV	Combination	Max	445.3	-140.8	195.1	-0.1	61.0	1802.5
1119	164.7	C_SLV_ENV	Combination	Max	445.3	-140.3	195.1	-0.1	30.0	1844.7
1119	0.0	C_SLV_ENV	Combination	Min	-459.1	-303.1	-88.5	-0.9	-76.9	1230.7
1119	164.7	C_SLV_ENV	Combination	Min	-459.1	-302.5	-88.5	-0.9	-63.4	1261.5
1120	0.0	C_SLV_ENV	Combination	Max	486.1	-151.4	119.6	0.1	39.5	1844.5
1120	456.5	C_SLV_ENV	Combination	Max	486.1	-149.8	119.6	0.1	11.3	1969.1
1120	912.9	C_SLV_ENV	Combination	Max	486.1	-148.2	119.6	0.1	97.6	2097.8
1120	0.0	C_SLV_ENV	Combination	Min	-431.2	-312.1	-189.8	0.0	-75.8	1261.7
1120	456.5	C_SLV_ENV	Combination	Min	-431.2	-310.5	-189.8	0.0	-15.5	1348.0
1120	912.9	C_SLV_ENV	Combination	Min	-431.2	-309.0	-189.8	0.0	-69.9	1428.7
1121	0.0	C_SLV_ENV	Combination	Max	555.6	-124.7	122.8	0.0	64.5	2107.4
1121	359.2	C_SLV_ENV	Combination	Max	555.6	-123.5	122.8	0.0	20.4	2188.9
1121	718.4	C_SLV_ENV	Combination	Max	555.6	-122.2	122.8	0.0	33.6	2271.5
1121	1077.6	C_SLV_ENV	Combination	Max	555.6	-121.0	122.8	0.0	87.6	2355.7
1121	0.0	C_SLV_ENV	Combination	Min	-537.1	-265.2	-150.3	-0.1	-74.4	1430.2
1121	359.2	C_SLV_ENV	Combination	Min	-537.1	-263.9	-150.3	-0.1	-20.5	1488.3
1121	718.4	C_SLV_ENV	Combination	Min	-537.1	-262.7	-150.3	-0.1	-23.8	1544.4
1121	1077.6	C_SLV_ENV	Combination	Min	-537.1	-261.5	-150.3	-0.1	-67.9	1598.0

1122	0.0	C_SLV_ENV	Combination	Max	622.6	-96.8	124.2	0.5	62.7	2359.8
1122	478.4	C_SLV_ENV	Combination	Max	622.6	-95.2	124.2	0.5	5.3	2447.4
1122	956.8	C_SLV_ENV	Combination	Max	622.6	-93.5	124.2	0.5	57.8	2535.9
1122	0.0	C_SLV_ENV	Combination	Min	-622.6	-216.3	-113.2	-0.8	-50.5	1590.9
1122	478.4	C_SLV_ENV	Combination	Min	-622.6	-214.7	-113.2	-0.8	1.6	1652.4
1122	956.8	C_SLV_ENV	Combination	Min	-622.6	-213.0	-113.2	-0.8	-56.2	1711.3
1123	0.0	C_SLV_ENV	Combination	Max	622.6	-93.7	123.1	10.2	57.8	2546.0
1123	120.8	C_SLV_ENV	Combination	Max	622.6	-93.2	123.1	10.2	71.4	2567.5
1123	0.0	C_SLV_ENV	Combination	Min	-622.6	-212.9	-112.1	-9.4	-56.2	1701.2
1123	120.8	C_SLV_ENV	Combination	Min	-622.6	-212.3	-112.1	-9.4	-71.0	1716.6
1124	0.0	C_SLV_ENV	Combination	Max	689.5	-66.9	121.9	-0.1	60.1	2569.0
1124	359.2	C_SLV_ENV	Combination	Max	689.5	-65.4	121.9	-0.1	16.5	2618.0
1124	718.4	C_SLV_ENV	Combination	Max	689.5	-63.9	121.9	-0.1	23.6	2666.6
1124	1077.6	C_SLV_ENV	Combination	Max	689.5	-62.4	121.9	-0.1	49.6	2715.0
1124	0.0	C_SLV_ENV	Combination	Min	-687.4	-172.4	-72.6	-0.4	-28.8	1693.7
1124	359.2	C_SLV_ENV	Combination	Min	-687.4	-170.9	-72.6	-0.4	-2.9	1730.1
1124	718.4	C_SLV_ENV	Combination	Min	-687.4	-169.4	-72.6	-0.4	-27.6	1765.8
1124	1077.6	C_SLV_ENV	Combination	Min	-687.4	-167.9	-72.6	-0.4	-71.3	1800.7
1125	0.0	C_SLV_ENV	Combination	Max	744.0	-44.5	128.3	0.0	48.4	2706.5
1125	407.1	C_SLV_ENV	Combination	Max	744.0	-42.8	128.3	0.0	3.9	2745.8
1125	814.3	C_SLV_ENV	Combination	Max	744.0	-41.1	128.3	0.0	8.1	2784.6
1125	0.0	C_SLV_ENV	Combination	Min	-732.0	-124.1	-31.8	-0.5	-20.0	1778.5
1125	407.1	C_SLV_ENV	Combination	Min	-732.0	-122.4	-31.8	-0.5	-14.7	1807.2
1125	814.3	C_SLV_ENV	Combination	Min	-732.0	-120.7	-31.8	-0.5	-58.2	1835.0
1126	0.0	C_SLV_ENV	Combination	Max	791.0	-49.8	38.9	0.6	3.7	2784.0
1126	263.4	C_SLV_ENV	Combination	Max	791.0	-48.7	38.9	0.6	38.8	2811.4
1126	0.0	C_SLV_ENV	Combination	Min	-693.0	-128.1	-158.3	-0.7	-54.5	1835.6
1126	263.4	C_SLV_ENV	Combination	Min	-693.0	-127.0	-158.3	-0.7	-58.3	1854.8
1127	0.0	C_SLV_ENV	Combination	Max	809.0	-27.2	42.0	0.0	18.0	2824.6
1127	359.2	C_SLV_ENV	Combination	Max	809.0	-25.7	42.0	0.0	5.8	2849.2

1127	718.4	C_SLV_ENV	Combination	Max	809.0	-24.2	42.0	0.0	24.3	2873.4
1127	1077.6	C_SLV_ENV	Combination	Max	809.0	-22.7	42.0	0.0	63.2	2897.1
1127	0.0	C_SLV_ENV	Combination	Min	-744.2	-90.1	-109.1	-0.1	-58.0	1850.4
1127	359.2	C_SLV_ENV	Combination	Min	-744.2	-88.6	-109.1	-0.1	-21.7	1867.4
1127	718.4	C_SLV_ENV	Combination	Min	-744.2	-87.1	-109.1	-0.1	-16.1	1883.7
1127	1077.6	C_SLV_ENV	Combination	Min	-744.2	-85.6	-109.1	-0.1	-30.9	1899.4
1128	0.0	C_SLV_ENV	Combination	Max	813.0	-1.1	42.4	-0.1	25.0	2912.6
1128	379.7	C_SLV_ENV	Combination	Max	813.0	0.5	42.4	-0.1	10.9	2922.7
1128	759.4	C_SLV_ENV	Combination	Max	813.0	2.1	42.4	-0.1	24.6	2932.2
1128	1139.0	C_SLV_ENV	Combination	Max	813.0	3.6	42.4	-0.1	48.6	2941.2
1128	0.0	C_SLV_ENV	Combination	Min	-787.2	-44.0	-63.7	-0.2	-28.6	1900.1
1128	379.7	C_SLV_ENV	Combination	Min	-787.2	-42.4	-63.7	-0.2	-6.4	1906.5
1128	759.4	C_SLV_ENV	Combination	Min	-787.2	-40.8	-63.7	-0.2	-12.0	1912.3
1128	1139.0	C_SLV_ENV	Combination	Min	-787.2	-39.2	-63.7	-0.2	-27.9	1917.4
1129	0.0	C_SLV_ENV	Combination	Max	814.2	31.8	47.0	-0.1	29.9	2941.0
1129	379.7	C_SLV_ENV	Combination	Max	814.2	33.4	47.0	-0.1	14.5	2934.2
1129	759.4	C_SLV_ENV	Combination	Max	814.2	35.0	47.0	-0.1	16.8	2926.9
1129	1139.0	C_SLV_ENV	Combination	Max	814.2	36.6	47.0	-0.1	24.7	2919.0
1129	0.0	C_SLV_ENV	Combination	Min	-805.6	-1.9	-25.1	-0.3	-8.7	1913.9
1129	379.7	C_SLV_ENV	Combination	Min	-805.6	-0.4	-25.1	-0.3	-1.7	1908.7
1129	759.4	C_SLV_ENV	Combination	Min	-805.6	1.2	-25.1	-0.3	-12.3	1902.9
1129	1139.0	C_SLV_ENV	Combination	Min	-805.6	2.8	-25.1	-0.3	-28.6	1896.4
1130	0.0	C_SLV_ENV	Combination	Max	810.4	75.1	60.3	-0.1	33.8	2903.0
1130	359.2	C_SLV_ENV	Combination	Max	810.4	76.6	60.3	-0.1	14.5	2881.2
1130	718.4	C_SLV_ENV	Combination	Max	810.4	78.1	60.3	-0.1	3.2	2858.9
1130	1077.6	C_SLV_ENV	Combination	Max	810.4	79.6	60.3	-0.1	-4.0	2836.9
1130	0.0	C_SLV_ENV	Combination	Min	-799.4	27.3	8.0	-0.3	-0.6	1889.6
1130	359.2	C_SLV_ENV	Combination	Min	-799.4	28.8	8.0	-0.3	-5.9	1874.1
1130	718.4	C_SLV_ENV	Combination	Min	-799.4	30.3	8.0	-0.3	-19.1	1858.0
1130	1077.6	C_SLV_ENV	Combination	Min	-799.4	31.8	8.0	-0.3	-36.5	1840.5

1131	0.0	C_SLV_ENV	Combination	Max	787.1	120.1	87.3	0.3	19.9	2823.5
1131	263.4	C_SLV_ENV	Combination	Max	787.1	121.2	87.3	0.3	2.4	2797.7
1131	0.0	C_SLV_ENV	Combination	Min	-783.8	49.5	34.0	-0.9	-37.7	1839.3
1131	263.4	C_SLV_ENV	Combination	Min	-783.8	50.6	34.0	-0.9	-52.2	1820.2
1132	0.0	C_SLV_ENV	Combination	Max	832.3	115.2	15.7	0.2	4.1	2796.3
1132	407.1	C_SLV_ENV	Combination	Max	832.3	116.9	15.7	0.2	2.6	2760.2
1132	814.3	C_SLV_ENV	Combination	Max	832.3	118.6	15.7	0.2	37.5	2723.6
1132	0.0	C_SLV_ENV	Combination	Min	-742.6	40.3	-112.5	-0.3	-55.3	1821.7
1132	407.1	C_SLV_ENV	Combination	Min	-742.6	42.0	-112.5	-0.3	-14.4	1793.7
1132	814.3	C_SLV_ENV	Combination	Min	-742.6	43.7	-112.5	-0.3	-9.9	1765.0
1133	0.0	C_SLV_ENV	Combination	Max	770.2	162.3	34.3	0.0	25.1	2733.9
1133	359.2	C_SLV_ENV	Combination	Max	770.2	163.8	34.3	0.0	15.5	2687.4
1133	718.4	C_SLV_ENV	Combination	Max	770.2	165.3	34.3	0.0	14.7	2640.5
1133	1077.6	C_SLV_ENV	Combination	Max	770.2	166.8	34.3	0.0	43.7	2593.3
1133	0.0	C_SLV_ENV	Combination	Min	-727.8	61.9	-84.0	-0.1	-47.2	1779.2
1133	359.2	C_SLV_ENV	Combination	Min	-727.8	63.4	-84.0	-0.1	-19.7	1744.7
1133	718.4	C_SLV_ENV	Combination	Min	-727.8	64.9	-84.0	-0.1	-1.1	1709.4
1133	1077.6	C_SLV_ENV	Combination	Min	-727.8	66.4	-84.0	-0.1	-12.3	1673.4
1134	0.0	C_SLV_ENV	Combination	Max	702.6	208.4	59.7	4.4	42.1	2593.8
1134	120.8	C_SLV_ENV	Combination	Max	702.6	208.9	59.7	4.4	34.9	2572.8
1134	0.0	C_SLV_ENV	Combination	Min	-693.1	91.3	-70.9	-5.6	-41.8	1686.0
1134	120.8	C_SLV_ENV	Combination	Min	-693.1	91.8	-70.9	-5.6	-33.3	1670.8
1135	0.0	C_SLV_ENV	Combination	Max	702.4	209.0	60.9	0.3	34.9	2561.4
1135	478.4	C_SLV_ENV	Combination	Max	702.4	210.7	60.9	0.3	7.1	2475.9
1135	956.8	C_SLV_ENV	Combination	Max	702.4	212.3	60.9	0.3	36.0	2390.6
1135	0.0	C_SLV_ENV	Combination	Min	-692.9	91.6	-72.1	-0.4	-33.3	1683.1
1135	478.4	C_SLV_ENV	Combination	Min	-692.9	93.3	-72.1	-0.4	-0.1	1623.9
1135	956.8	C_SLV_ENV	Combination	Min	-692.9	94.9	-72.1	-0.4	-23.6	1563.1
1136	0.0	C_SLV_ENV	Combination	Max	633.3	256.7	92.7	-0.1	56.6	2381.0
1136	359.2	C_SLV_ENV	Combination	Max	633.3	257.9	92.7	-0.1	23.4	2299.5

1136	718.4	C_SLV_ENV	Combination	Max	633.3	259.2	92.7	-0.1	10.2	2218.5
1136	1077.6	C_SLV_ENV	Combination	Max	633.3	260.4	92.7	-0.1	33.2	2137.6
1136	0.0	C_SLV_ENV	Combination	Min	-636.3	119.8	-64.5	-0.2	-36.3	1567.2
1136	359.2	C_SLV_ENV	Combination	Min	-636.3	121.1	-64.5	-0.2	-13.2	1513.0
1136	718.4	C_SLV_ENV	Combination	Min	-636.3	122.3	-64.5	-0.2	-10.1	1457.4
1136	1077.6	C_SLV_ENV	Combination	Min	-636.3	123.6	-64.5	-0.2	-43.3	1400.8
1137	0.0	C_SLV_ENV	Combination	Max	561.3	303.0	127.0	-0.1	66.0	2118.3
1137	456.5	C_SLV_ENV	Combination	Max	561.3	304.5	127.0	-0.1	8.3	1993.9
1137	912.9	C_SLV_ENV	Combination	Max	561.3	306.1	127.0	-0.1	12.7	1870.7
1137	0.0	C_SLV_ENV	Combination	Min	-562.3	148.1	-54.2	-0.3	-36.9	1401.8
1137	456.5	C_SLV_ENV	Combination	Min	-562.3	149.7	-54.2	-0.3	-12.3	1319.6
1137	912.9	C_SLV_ENV	Combination	Min	-562.3	151.3	-54.2	-0.3	-50.0	1234.8
1138	0.0	C_SLV_ENV	Combination	Max	595.0	295.8	50.9	0.8	5.9	1869.8
1138	164.7	C_SLV_ENV	Combination	Max	595.0	296.4	50.9	0.8	31.3	1827.8
1138	0.0	C_SLV_ENV	Combination	Min	-521.3	140.2	-162.0	0.1	-42.2	1236.3
1138	164.7	C_SLV_ENV	Combination	Min	-521.3	140.8	-162.0	0.1	-49.3	1206.5
1139	0.0	C_SLV_ENV	Combination	Max	496.3	335.6	83.1	0.0	47.3	1826.9
1139	359.2	C_SLV_ENV	Combination	Max	496.3	336.9	83.1	0.0	17.5	1718.4
1139	718.4	C_SLV_ENV	Combination	Max	496.3	338.1	83.1	0.0	21.0	1611.4
1139	1077.6	C_SLV_ENV	Combination	Max	496.3	339.4	83.1	0.0	72.8	1505.0
1139	0.0	C_SLV_ENV	Combination	Min	-453.8	165.8	-144.3	0.0	-82.7	1216.6
1139	359.2	C_SLV_ENV	Combination	Min	-453.8	167.0	-144.3	0.0	-30.9	1144.5
1139	718.4	C_SLV_ENV	Combination	Min	-453.8	168.3	-144.3	0.0	-12.4	1070.1
1139	1077.6	C_SLV_ENV	Combination	Min	-453.8	169.5	-144.3	0.0	-42.2	994.1
1140	0.0	C_SLV_ENV	Combination	Max	379.8	382.5	110.5	0.0	64.3	1511.2
1140	359.2	C_SLV_ENV	Combination	Max	379.8	383.8	110.5	0.0	24.7	1384.7
1140	718.4	C_SLV_ENV	Combination	Max	379.8	385.0	110.5	0.0	24.7	1260.9
1140	1077.6	C_SLV_ENV	Combination	Max	379.8	386.3	110.5	0.0	72.5	1138.4
1140	0.0	C_SLV_ENV	Combination	Min	-374.9	197.6	-133.3	-0.1	-71.3	1006.1
1140	359.2	C_SLV_ENV	Combination	Min	-374.9	198.9	-133.3	-0.1	-23.4	923.8

1140	718.4	C_SLV_ENV	Combination	Min	-374.9	200.1	-133.3	-0.1	-15.3	837.8
1140	1077.6	C_SLV_ENV	Combination	Min	-374.9	201.4	-133.3	-0.1	-54.9	749.7
1141	0.0	C_SLV_ENV	Combination	Max	265.2	430.8	133.8	0.0	75.9	1139.7
1141	359.2	C_SLV_ENV	Combination	Max	265.2	432.1	133.8	0.0	27.8	993.6
1141	718.4	C_SLV_ENV	Combination	Max	265.2	433.3	133.8	0.0	24.5	852.2
1141	1077.6	C_SLV_ENV	Combination	Max	265.2	434.5	133.8	0.0	69.5	713.4
1141	0.0	C_SLV_ENV	Combination	Min	-280.6	232.7	-125.7	-0.1	-65.9	754.5
1141	359.2	C_SLV_ENV	Combination	Min	-280.6	234.0	-125.7	-0.1	-20.8	661.9
1141	718.4	C_SLV_ENV	Combination	Min	-280.6	235.2	-125.7	-0.1	-20.4	563.5
1141	1077.6	C_SLV_ENV	Combination	Min	-280.6	236.5	-125.7	-0.1	-68.4	461.7
1142	0.0	C_SLV_ENV	Combination	Max	153.3	477.9	154.2	0.0	81.4	712.8
1142	359.2	C_SLV_ENV	Combination	Max	153.3	479.1	154.2	0.0	26.0	546.4
1142	718.4	C_SLV_ENV	Combination	Max	153.3	480.4	154.2	0.0	25.1	387.9
1142	1077.6	C_SLV_ENV	Combination	Max	153.3	481.6	154.2	0.0	66.8	246.9
1142	0.0	C_SLV_ENV	Combination	Min	-175.8	271.1	-116.2	-0.1	-58.4	458.9
1142	359.2	C_SLV_ENV	Combination	Min	-175.8	272.4	-116.2	-0.1	-16.7	355.9
1142	718.4	C_SLV_ENV	Combination	Min	-175.8	273.6	-116.2	-0.1	-29.4	243.9
1142	1077.6	C_SLV_ENV	Combination	Min	-175.8	274.8	-116.2	-0.1	-84.8	113.6
1143	0.0	C_SLV_ENV	Combination	Max	61.3	521.3	170.6	0.0	44.9	229.7
1143	484.9	C_SLV_ENV	Combination	Max	61.3	523.0	170.6	0.0	19.2	-6.7
1143	0.0	C_SLV_ENV	Combination	Min	-87.8	313.7	-99.4	-0.3	-29.0	125.7
1143	484.9	C_SLV_ENV	Combination	Min	-87.8	315.4	-99.4	-0.3	-37.9	-43.7
1144	0.0	C_SLV_ENV	Combination	Max	63.2	-245.0	324.3	0.2	61.6	18.9
1144	484.9	C_SLV_ENV	Combination	Max	63.2	-243.3	324.3	0.2	92.0	216.7
1144	0.0	C_SLV_ENV	Combination	Min	-71.6	-489.3	-312.5	-0.2	-59.5	-37.1
1144	484.9	C_SLV_ENV	Combination	Min	-71.6	-487.6	-312.5	-0.2	-95.6	120.3
1145	0.0	C_SLV_ENV	Combination	Max	87.2	-232.2	316.6	0.0	173.4	212.6
1145	359.2	C_SLV_ENV	Combination	Max	87.2	-230.9	316.6	0.0	59.7	353.8
1145	718.4	C_SLV_ENV	Combination	Max	87.2	-229.7	316.6	0.0	53.0	509.4
1145	1077.6	C_SLV_ENV	Combination	Max	87.2	-228.4	316.6	0.0	165.1	670.1

1145	0.0	C_SLV_ENV	Combination	Min	-82.0	-453.9	-312.2	-0.1	-171.3	120.2
1145	359.2	C_SLV_ENV	Combination	Min	-82.0	-452.7	-312.2	-0.1	-59.2	225.0
1145	718.4	C_SLV_ENV	Combination	Min	-82.0	-451.5	-312.2	-0.1	-54.0	314.5
1145	1077.6	C_SLV_ENV	Combination	Min	-82.0	-450.2	-312.2	-0.1	-167.8	398.0
1146	0.0	C_SLV_ENV	Combination	Max	156.7	-222.9	298.0	0.0	159.3	647.5
1146	359.2	C_SLV_ENV	Combination	Max	156.7	-221.7	298.0	0.0	52.2	790.4
1146	718.4	C_SLV_ENV	Combination	Max	156.7	-220.4	298.0	0.0	54.0	936.1
1146	1077.6	C_SLV_ENV	Combination	Max	156.7	-219.2	298.0	0.0	160.1	1082.0
1146	0.0	C_SLV_ENV	Combination	Min	-144.6	-411.3	-295.4	-0.1	-158.2	421.2
1146	359.2	C_SLV_ENV	Combination	Min	-144.6	-410.1	-295.4	-0.1	-52.1	505.7
1146	718.4	C_SLV_ENV	Combination	Min	-144.6	-408.8	-295.4	-0.1	-54.8	586.5
1146	1077.6	C_SLV_ENV	Combination	Min	-144.6	-407.6	-295.4	-0.1	-161.9	666.2
1147	0.0	C_SLV_ENV	Combination	Max	215.7	-213.6	273.0	0.0	145.2	1065.0
1147	359.2	C_SLV_ENV	Combination	Max	215.7	-212.3	273.0	0.0	47.2	1195.5
1147	718.4	C_SLV_ENV	Combination	Max	215.7	-211.1	273.0	0.0	50.0	1326.2
1147	1077.6	C_SLV_ENV	Combination	Max	215.7	-209.8	273.0	0.0	146.1	1456.7
1147	0.0	C_SLV_ENV	Combination	Min	-210.7	-367.6	-267.6	-0.1	-142.3	693.6
1147	359.2	C_SLV_ENV	Combination	Min	-210.7	-366.4	-267.6	-0.1	-46.2	771.5
1147	718.4	C_SLV_ENV	Combination	Min	-210.7	-365.2	-267.6	-0.1	-50.9	848.2
1147	1077.6	C_SLV_ENV	Combination	Min	-210.7	-363.9	-267.6	-0.1	-148.9	924.3
1148	0.0	C_SLV_ENV	Combination	Max	260.5	-199.9	244.6	0.0	129.8	1448.9
1148	359.2	C_SLV_ENV	Combination	Max	260.5	-198.6	244.6	0.0	41.9	1564.4
1148	718.4	C_SLV_ENV	Combination	Max	260.5	-197.4	244.6	0.0	44.1	1679.8
1148	1077.6	C_SLV_ENV	Combination	Max	260.5	-196.2	244.6	0.0	127.0	1795.0
1148	0.0	C_SLV_ENV	Combination	Min	-277.8	-324.9	-230.9	-0.1	-121.9	952.0
1148	359.2	C_SLV_ENV	Combination	Min	-277.8	-323.6	-230.9	-0.1	-38.9	1024.5
1148	718.4	C_SLV_ENV	Combination	Min	-277.8	-322.4	-230.9	-0.1	-46.0	1096.2
1148	1077.6	C_SLV_ENV	Combination	Min	-277.8	-321.1	-230.9	-0.1	-133.8	1167.4
1149	0.0	C_SLV_ENV	Combination	Max	301.2	-179.6	218.9	1.0	105.0	1786.5
1149	164.7	C_SLV_ENV	Combination	Max	301.2	-179.0	218.9	1.0	70.8	1832.7

1149	0.0	C_SLV_ENV	Combination	Min	-334.1	-283.9	-187.6	-0.7	-104.5	1185.4
1149	164.7	C_SLV_ENV	Combination	Min	-334.1	-283.4	-187.6	-0.7	-75.4	1215.5
1150	0.0	C_SLV_ENV	Combination	Max	271.2	-169.8	237.0	0.0	92.9	1835.8
1150	456.5	C_SLV_ENV	Combination	Max	271.2	-168.2	237.0	0.0	16.5	1947.7
1150	912.9	C_SLV_ENV	Combination	Max	271.2	-166.6	237.0	0.0	133.9	2059.6
1150	0.0	C_SLV_ENV	Combination	Min	-282.0	-260.1	-258.1	-0.2	-101.9	1212.4
1150	456.5	C_SLV_ENV	Combination	Min	-282.0	-258.5	-258.1	-0.2	-15.9	1295.9
1150	912.9	C_SLV_ENV	Combination	Min	-282.0	-257.0	-258.1	-0.2	-123.6	1378.1
1151	0.0	C_SLV_ENV	Combination	Max	307.6	-141.5	202.9	0.0	106.8	2046.4
1151	359.2	C_SLV_ENV	Combination	Max	307.6	-140.3	202.9	0.0	33.9	2121.4
1151	718.4	C_SLV_ENV	Combination	Max	307.6	-139.1	202.9	0.0	40.8	2196.5
1151	1077.6	C_SLV_ENV	Combination	Max	307.6	-137.8	202.9	0.0	116.4	2274.2
1151	0.0	C_SLV_ENV	Combination	Min	-304.6	-230.7	-210.5	-0.1	-110.4	1377.5
1151	359.2	C_SLV_ENV	Combination	Min	-304.6	-229.4	-210.5	-0.1	-34.8	1435.7
1151	718.4	C_SLV_ENV	Combination	Min	-304.6	-228.2	-210.5	-0.1	-39.0	1493.0
1151	1077.6	C_SLV_ENV	Combination	Min	-304.6	-227.0	-210.5	-0.1	-111.9	1546.8
1152	0.0	C_SLV_ENV	Combination	Max	332.0	-110.8	170.8	0.8	85.3	2271.7
1152	478.4	C_SLV_ENV	Combination	Max	332.0	-109.2	170.8	0.8	3.8	2359.5
1152	956.8	C_SLV_ENV	Combination	Max	332.0	-107.5	170.8	0.8	76.9	2446.9
1152	0.0	C_SLV_ENV	Combination	Min	-329.2	-204.3	-167.1	-1.0	-83.1	1548.1
1152	478.4	C_SLV_ENV	Combination	Min	-329.2	-202.6	-167.1	-1.0	-3.2	1610.3
1152	956.8	C_SLV_ENV	Combination	Min	-329.2	-201.0	-167.1	-1.0	-78.0	1671.3
1153	0.0	C_SLV_ENV	Combination	Max	331.5	-107.8	169.7	14.4	76.9	2443.8
1153	120.8	C_SLV_ENV	Combination	Max	331.5	-107.3	169.7	14.4	96.9	2466.0
1153	0.0	C_SLV_ENV	Combination	Min	-328.7	-200.8	-166.1	-14.3	-78.0	1674.2
1153	120.8	C_SLV_ENV	Combination	Min	-328.7	-200.3	-166.1	-14.3	-98.6	1689.2
1154	0.0	C_SLV_ENV	Combination	Max	342.9	-78.9	143.3	0.0	72.3	2477.0
1154	359.2	C_SLV_ENV	Combination	Max	342.9	-77.4	143.3	0.0	20.9	2531.8
1154	718.4	C_SLV_ENV	Combination	Max	342.9	-75.9	143.3	0.0	28.7	2586.3
1154	1077.6	C_SLV_ENV	Combination	Max	342.9	-74.4	143.3	0.0	74.1	2640.6

1154	0.0	C_SLV_ENV	Combination	Min	-359.7	-176.8	-126.6	-0.3	-62.4	1693.0
1154	359.2	C_SLV_ENV	Combination	Min	-359.7	-175.3	-126.6	-0.3	-17.0	1729.5
1154	718.4	C_SLV_ENV	Combination	Min	-359.7	-173.8	-126.6	-0.3	-30.8	1765.2
1154	1077.6	C_SLV_ENV	Combination	Min	-359.7	-172.3	-126.6	-0.3	-82.2	1800.0
1155	0.0	C_SLV_ENV	Combination	Max	342.9	-48.1	118.4	0.2	56.2	2655.3
1155	407.1	C_SLV_ENV	Combination	Max	342.9	-46.4	118.4	0.2	9.4	2702.9
1155	814.3	C_SLV_ENV	Combination	Max	342.9	-44.7	118.4	0.2	28.1	2750.2
1155	0.0	C_SLV_ENV	Combination	Min	-390.9	-143.3	-82.6	-0.3	-40.4	1808.0
1155	407.1	C_SLV_ENV	Combination	Min	-390.9	-141.6	-82.6	-0.3	-8.2	1837.6
1155	814.3	C_SLV_ENV	Combination	Min	-390.9	-139.9	-82.6	-0.3	-41.5	1866.2
1156	0.0	C_SLV_ENV	Combination	Max	338.1	-28.6	110.7	0.5	19.1	2749.2
1156	263.4	C_SLV_ENV	Combination	Max	338.1	-27.5	110.7	0.5	55.8	2775.2
1156	0.0	C_SLV_ENV	Combination	Min	-352.0	-129.8	-161.0	-1.5	-34.9	1866.7
1156	263.4	C_SLV_ENV	Combination	Min	-352.0	-128.7	-161.0	-1.5	-58.3	1882.1
1157	0.0	C_SLV_ENV	Combination	Max	346.2	-2.2	83.3	-0.1	41.5	2767.9
1157	359.2	C_SLV_ENV	Combination	Max	346.2	-0.7	83.3	-0.1	13.4	2790.6
1157	718.4	C_SLV_ENV	Combination	Max	346.2	0.8	83.3	-0.1	23.3	2812.9
1157	1077.6	C_SLV_ENV	Combination	Max	346.2	2.3	83.3	-0.1	62.4	2835.0
1157	0.0	C_SLV_ENV	Combination	Min	-358.2	-96.6	-109.2	-0.2	-55.5	1878.5
1157	359.2	C_SLV_ENV	Combination	Min	-358.2	-95.1	-109.2	-0.2	-18.0	1890.8
1157	718.4	C_SLV_ENV	Combination	Min	-358.2	-93.6	-109.2	-0.2	-18.6	1902.4
1157	1077.6	C_SLV_ENV	Combination	Min	-358.2	-92.1	-109.2	-0.2	-48.4	1913.1
1158	0.0	C_SLV_ENV	Combination	Max	349.8	25.9	54.5	-0.1	29.0	2822.0
1158	379.7	C_SLV_ENV	Combination	Max	349.8	27.5	54.5	-0.1	9.9	2832.0
1158	759.4	C_SLV_ENV	Combination	Max	349.8	29.1	54.5	-0.1	17.5	2841.7
1158	1139.0	C_SLV_ENV	Combination	Max	349.8	30.6	54.5	-0.1	41.1	2851.0
1158	0.0	C_SLV_ENV	Combination	Min	-351.0	-61.5	-62.4	-0.2	-32.7	1909.4
1158	379.7	C_SLV_ENV	Combination	Min	-351.0	-59.9	-62.4	-0.2	-10.6	1912.2
1158	759.4	C_SLV_ENV	Combination	Min	-351.0	-58.3	-62.4	-0.2	-15.2	1914.3
1158	1139.0	C_SLV_ENV	Combination	Min	-351.0	-56.7	-62.4	-0.2	-35.8	1915.5

1159	0.0	C_SLV_ENV	Combination	Max	338.7	55.1	41.8	-0.1	24.6	2847.1
1159	379.7	C_SLV_ENV	Combination	Max	338.7	56.7	41.8	-0.1	10.2	2843.3
1159	759.4	C_SLV_ENV	Combination	Max	338.7	58.3	41.8	-0.1	9.5	2839.2
1159	1139.0	C_SLV_ENV	Combination	Max	338.7	59.8	41.8	-0.1	20.1	2834.6
1159	0.0	C_SLV_ENV	Combination	Min	-346.5	-28.4	-34.2	-0.2	-19.5	1920.1
1159	379.7	C_SLV_ENV	Combination	Min	-346.5	-26.8	-34.2	-0.2	-8.0	1913.1
1159	759.4	C_SLV_ENV	Combination	Min	-346.5	-25.2	-34.2	-0.2	-10.2	1905.3
1159	1139.0	C_SLV_ENV	Combination	Min	-346.5	-23.6	-34.2	-0.2	-23.7	1896.7
1160	0.0	C_SLV_ENV	Combination	Max	314.1	85.5	48.8	-0.1	30.1	2839.9
1160	359.2	C_SLV_ENV	Combination	Max	314.1	87.0	48.8	-0.1	13.9	2822.9
1160	718.4	C_SLV_ENV	Combination	Max	314.1	88.5	48.8	-0.1	2.2	2807.2
1160	1077.6	C_SLV_ENV	Combination	Max	314.1	90.0	48.8	-0.1	9.4	2792.4
1160	0.0	C_SLV_ENV	Combination	Min	-347.9	5.3	-23.6	-0.2	-16.3	1908.8
1160	359.2	C_SLV_ENV	Combination	Min	-347.9	6.8	-23.6	-0.2	-9.1	1892.7
1160	718.4	C_SLV_ENV	Combination	Min	-347.9	8.3	-23.6	-0.2	-6.5	1874.2
1160	1077.6	C_SLV_ENV	Combination	Min	-347.9	9.8	-23.6	-0.2	-22.7	1853.7
1161	0.0	C_SLV_ENV	Combination	Max	290.1	117.1	81.7	0.9	37.8	2789.5
1161	263.4	C_SLV_ENV	Combination	Max	290.1	118.2	81.7	0.9	17.0	2768.6
1161	0.0	C_SLV_ENV	Combination	Min	-344.9	40.4	-32.4	-0.5	-36.4	1866.5
1161	263.4	C_SLV_ENV	Combination	Min	-344.9	41.5	-32.4	-0.5	-28.7	1845.7
1162	0.0	C_SLV_ENV	Combination	Max	298.4	132.4	56.0	0.0	21.1	2766.1
1162	407.1	C_SLV_ENV	Combination	Max	298.4	134.1	56.0	0.0	2.5	2726.1
1162	814.3	C_SLV_ENV	Combination	Max	298.4	135.8	56.0	0.0	39.2	2685.7
1162	0.0	C_SLV_ENV	Combination	Min	-319.5	53.9	-91.5	-0.5	-35.7	1847.8
1162	407.1	C_SLV_ENV	Combination	Min	-319.5	55.6	-91.5	-0.5	-2.7	1811.3
1162	814.3	C_SLV_ENV	Combination	Min	-319.5	57.3	-91.5	-0.5	-25.0	1773.7
1163	0.0	C_SLV_ENV	Combination	Max	289.1	163.8	89.8	0.0	54.7	2659.0
1163	359.2	C_SLV_ENV	Combination	Max	289.1	165.3	89.8	0.0	22.5	2609.7
1163	718.4	C_SLV_ENV	Combination	Max	289.1	166.8	89.8	0.0	13.7	2560.2
1163	1077.6	C_SLV_ENV	Combination	Max	289.1	168.3	89.8	0.0	51.8	2510.4

1163	0.0	C_SLV_ENV	Combination	Min	-293.7	84.4	-106.2	-0.2	-62.6	1777.3
1163	359.2	C_SLV_ENV	Combination	Min	-293.7	85.9	-106.2	-0.2	-24.5	1736.8
1163	718.4	C_SLV_ENV	Combination	Min	-293.7	87.4	-106.2	-0.2	-9.9	1695.6
1163	1077.6	C_SLV_ENV	Combination	Min	-293.7	88.9	-106.2	-0.2	-42.1	1653.5
1164	0.0	C_SLV_ENV	Combination	Max	273.2	195.2	119.3	9.8	70.9	2489.8
1164	120.8	C_SLV_ENV	Combination	Max	273.2	195.7	119.3	9.8	56.5	2468.8
1164	0.0	C_SLV_ENV	Combination	Min	-268.6	113.6	-122.7	-10.3	-72.5	1660.7
1164	120.8	C_SLV_ENV	Combination	Min	-268.6	114.2	-122.7	-10.3	-57.6	1644.3
1165	0.0	C_SLV_ENV	Combination	Max	272.6	195.9	120.5	0.6	56.5	2458.6
1165	478.4	C_SLV_ENV	Combination	Max	272.6	197.5	120.5	0.6	1.7	2374.5
1165	956.8	C_SLV_ENV	Combination	Max	272.6	199.2	120.5	0.6	60.8	2289.9
1165	0.0	C_SLV_ENV	Combination	Min	-268.1	114.0	-123.8	-0.7	-57.6	1654.9
1165	478.4	C_SLV_ENV	Combination	Min	-268.1	115.6	-123.8	-0.7	-1.3	1590.0
1165	956.8	C_SLV_ENV	Combination	Min	-268.1	117.3	-123.8	-0.7	-58.8	1524.0
1166	0.0	C_SLV_ENV	Combination	Max	247.0	227.4	147.8	-0.1	82.7	2282.1
1166	359.2	C_SLV_ENV	Combination	Max	247.0	228.6	147.8	-0.1	29.7	2206.8
1166	718.4	C_SLV_ENV	Combination	Max	247.0	229.9	147.8	-0.1	22.6	2131.3
1166	1077.6	C_SLV_ENV	Combination	Max	247.0	231.1	147.8	-0.1	73.1	2055.6
1166	0.0	C_SLV_ENV	Combination	Min	-251.5	138.7	-140.6	-0.1	-78.5	1535.8
1166	359.2	C_SLV_ENV	Combination	Min	-251.5	139.9	-140.6	-0.1	-28.0	1479.2
1166	718.4	C_SLV_ENV	Combination	Min	-251.5	141.1	-140.6	-0.1	-23.4	1421.9
1166	1077.6	C_SLV_ENV	Combination	Min	-251.5	142.4	-140.6	-0.1	-76.5	1363.9
1167	0.0	C_SLV_ENV	Combination	Max	212.0	260.6	172.6	0.0	93.6	2055.1
1167	456.5	C_SLV_ENV	Combination	Max	212.0	262.2	172.6	0.0	14.8	1943.5
1167	912.9	C_SLV_ENV	Combination	Max	212.0	263.7	172.6	0.0	56.7	1831.5
1167	0.0	C_SLV_ENV	Combination	Min	-241.5	164.5	-153.2	-0.1	-83.2	1380.5
1167	456.5	C_SLV_ENV	Combination	Min	-241.5	166.1	-153.2	-0.1	-13.3	1297.4
1167	912.9	C_SLV_ENV	Combination	Min	-241.5	167.7	-153.2	-0.1	-64.1	1213.1
1168	0.0	C_SLV_ENV	Combination	Max	219.2	282.8	170.0	0.0	41.6	1828.9
1168	164.7	C_SLV_ENV	Combination	Max	219.2	283.4	170.0	0.0	74.0	1784.7

1168	0.0	C_SLV_ENV	Combination	Min	-231.1	182.6	-198.1	-0.5	-48.8	1215.2
1168	164.7	C_SLV_ENV	Combination	Min	-231.1	183.2	-198.1	-0.5	-76.7	1182.7
1169	0.0	C_SLV_ENV	Combination	Max	198.2	313.5	191.6	0.0	106.5	1767.7
1169	359.2	C_SLV_ENV	Combination	Max	198.2	314.8	191.6	0.0	37.6	1658.9
1169	718.4	C_SLV_ENV	Combination	Max	198.2	316.0	191.6	0.0	33.8	1549.9
1169	1077.6	C_SLV_ENV	Combination	Max	198.2	317.3	191.6	0.0	106.7	1440.5
1169	0.0	C_SLV_ENV	Combination	Min	-206.4	206.8	-203.2	-0.1	-112.2	1189.4
1169	359.2	C_SLV_ENV	Combination	Min	-206.4	208.1	-203.2	-0.1	-39.2	1110.8
1169	718.4	C_SLV_ENV	Combination	Min	-206.4	209.3	-203.2	-0.1	-31.2	1031.6
1169	1077.6	C_SLV_ENV	Combination	Min	-206.4	210.6	-203.2	-0.1	-100.0	951.7
1170	0.0	C_SLV_ENV	Combination	Max	182.9	343.7	209.2	0.0	114.3	1417.7
1170	359.2	C_SLV_ENV	Combination	Max	182.9	345.0	209.2	0.0	39.2	1297.3
1170	718.4	C_SLV_ENV	Combination	Max	182.9	346.2	209.2	0.0	36.7	1176.7
1170	1077.6	C_SLV_ENV	Combination	Max	182.9	347.5	209.2	0.0	113.3	1055.9
1170	0.0	C_SLV_ENV	Combination	Min	-173.6	232.4	-213.3	-0.1	-116.5	956.7
1170	359.2	C_SLV_ENV	Combination	Min	-173.6	233.7	-213.3	-0.1	-39.9	869.7
1170	718.4	C_SLV_ENV	Combination	Min	-173.6	234.9	-213.3	-0.1	-36.0	782.0
1170	1077.6	C_SLV_ENV	Combination	Min	-173.6	236.2	-213.3	-0.1	-111.1	693.6
1171	0.0	C_SLV_ENV	Combination	Max	161.8	371.4	221.9	0.0	120.3	1040.0
1171	359.2	C_SLV_ENV	Combination	Max	161.8	372.6	221.9	0.0	40.6	909.2
1171	718.4	C_SLV_ENV	Combination	Max	161.8	373.9	221.9	0.0	39.1	778.3
1171	1077.6	C_SLV_ENV	Combination	Max	161.8	375.1	221.9	0.0	119.8	647.3
1171	0.0	C_SLV_ENV	Combination	Min	-146.7	257.0	-224.5	-0.1	-122.2	703.8
1171	359.2	C_SLV_ENV	Combination	Min	-146.7	258.2	-224.5	-0.1	-41.5	608.4
1171	718.4	C_SLV_ENV	Combination	Min	-146.7	259.5	-224.5	-0.1	-39.1	512.3
1171	1077.6	C_SLV_ENV	Combination	Min	-146.7	260.7	-224.5	-0.1	-118.8	415.4
1172	0.0	C_SLV_ENV	Combination	Max	133.5	398.3	229.7	0.0	122.0	636.4
1172	359.2	C_SLV_ENV	Combination	Max	133.5	399.5	229.7	0.0	39.5	496.1
1172	718.4	C_SLV_ENV	Combination	Max	133.5	400.8	229.7	0.0	43.9	356.0
1172	1077.6	C_SLV_ENV	Combination	Max	133.5	402.0	229.7	0.0	128.7	221.4

1172	0.0	C_SLV_ENV	Combination	Min	-123.9	281.1	-236.1	0.0	-125.7	431.0
1172	359.2	C_SLV_ENV	Combination	Min	-123.9	282.4	-236.1	0.0	-40.9	326.8
1172	718.4	C_SLV_ENV	Combination	Min	-123.9	283.6	-236.1	0.0	-43.0	221.5
1172	1077.6	C_SLV_ENV	Combination	Min	-123.9	284.9	-236.1	0.0	-125.5	109.8
1173	0.0	C_SLV_ENV	Combination	Max	106.2	426.3	233.3	0.2	72.9	205.7
1173	484.9	C_SLV_ENV	Combination	Max	106.2	427.9	233.3	0.2	44.4	16.1
1173	0.0	C_SLV_ENV	Combination	Min	-104.3	305.0	-249.7	-0.3	-76.7	132.4
1173	484.9	C_SLV_ENV	Combination	Min	-104.3	306.7	-249.7	-0.3	-40.3	-33.5
1174	0.0	C_SLV_ENV	Combination	Max	160.0	-258.6	228.7	0.3	40.4	15.0
1174	484.9	C_SLV_ENV	Combination	Max	160.0	-256.9	228.7	0.3	77.2	213.7
1174	0.0	C_SLV_ENV	Combination	Min	-156.5	-484.1	-250.3	-0.4	-44.3	-31.2
1174	484.9	C_SLV_ENV	Combination	Min	-156.5	-482.5	-250.3	-0.4	-70.6	129.4
1175	0.0	C_SLV_ENV	Combination	Max	213.0	-244.4	227.2	0.0	124.3	212.0
1175	359.2	C_SLV_ENV	Combination	Max	213.0	-243.2	227.2	0.0	42.7	360.6
1175	718.4	C_SLV_ENV	Combination	Max	213.0	-242.0	227.2	0.0	40.9	519.2
1175	1077.6	C_SLV_ENV	Combination	Max	213.0	-240.7	227.2	0.0	125.7	678.5
1175	0.0	C_SLV_ENV	Combination	Min	-201.0	-451.2	-236.2	-0.1	-128.8	122.8
1175	359.2	C_SLV_ENV	Combination	Min	-201.0	-449.9	-236.2	-0.1	-43.9	223.7
1175	718.4	C_SLV_ENV	Combination	Min	-201.0	-448.7	-236.2	-0.1	-38.9	313.6
1175	1077.6	C_SLV_ENV	Combination	Min	-201.0	-447.5	-236.2	-0.1	-120.6	402.0
1176	0.0	C_SLV_ENV	Combination	Max	256.7	-235.0	220.1	0.0	117.8	661.6
1176	359.2	C_SLV_ENV	Combination	Max	256.7	-233.7	220.1	0.0	38.8	806.7
1176	718.4	C_SLV_ENV	Combination	Max	256.7	-232.5	220.1	0.0	41.3	951.8
1176	1077.6	C_SLV_ENV	Combination	Max	256.7	-231.3	220.1	0.0	121.5	1096.8
1176	0.0	C_SLV_ENV	Combination	Min	-239.0	-410.4	-223.3	-0.1	-119.1	413.2
1176	359.2	C_SLV_ENV	Combination	Min	-239.0	-409.1	-223.3	-0.1	-38.9	499.4
1176	718.4	C_SLV_ENV	Combination	Min	-239.0	-407.9	-223.3	-0.1	-40.3	584.8
1176	1077.6	C_SLV_ENV	Combination	Min	-239.0	-406.6	-223.3	-0.1	-119.3	669.4
1177	0.0	C_SLV_ENV	Combination	Max	289.5	-225.1	207.5	0.0	110.1	1081.9
1177	359.2	C_SLV_ENV	Combination	Max	289.5	-223.9	207.5	0.0	35.6	1212.1

1177	718.4	C_SLV_ENV	Combination	Max	289.5	-222.7	207.5	0.0	39.3	1342.0
1177	1077.6	C_SLV_ENV	Combination	Max	289.5	-221.4	207.5	0.0	114.9	1471.7
1177	0.0	C_SLV_ENV	Combination	Min	-279.0	-368.6	-210.4	-0.1	-111.8	690.2
1177	359.2	C_SLV_ENV	Combination	Min	-279.0	-367.4	-210.4	-0.1	-36.2	772.9
1177	718.4	C_SLV_ENV	Combination	Min	-279.0	-366.2	-210.4	-0.1	-38.9	854.9
1177	1077.6	C_SLV_ENV	Combination	Min	-279.0	-364.9	-210.4	-0.1	-113.4	936.3
1178	0.0	C_SLV_ENV	Combination	Max	308.9	-209.8	189.4	0.0	98.8	1465.9
1178	359.2	C_SLV_ENV	Combination	Max	308.9	-208.5	189.4	0.0	30.8	1580.9
1178	718.4	C_SLV_ENV	Combination	Max	308.9	-207.3	189.4	0.0	37.9	1695.7
1178	1077.6	C_SLV_ENV	Combination	Max	308.9	-206.1	189.4	0.0	109.1	1810.1
1178	0.0	C_SLV_ENV	Combination	Min	-319.2	-328.3	-198.0	-0.1	-104.4	961.9
1178	359.2	C_SLV_ENV	Combination	Min	-319.2	-327.1	-198.0	-0.1	-33.2	1039.7
1178	718.4	C_SLV_ENV	Combination	Min	-319.2	-325.8	-198.0	-0.1	-37.3	1116.9
1178	1077.6	C_SLV_ENV	Combination	Min	-319.2	-324.6	-198.0	-0.1	-105.4	1193.5
1179	0.0	C_SLV_ENV	Combination	Max	323.2	-187.2	167.5	0.4	76.4	1806.2
1179	164.7	C_SLV_ENV	Combination	Max	323.2	-186.7	167.5	0.4	59.1	1852.2
1179	0.0	C_SLV_ENV	Combination	Min	-339.3	-288.9	-190.5	-1.0	-76.4	1208.8
1179	164.7	C_SLV_ENV	Combination	Min	-339.3	-288.3	-190.5	-1.0	-55.4	1241.1
1180	0.0	C_SLV_ENV	Combination	Max	351.6	-171.7	190.6	0.1	76.8	1854.9
1180	456.5	C_SLV_ENV	Combination	Max	351.6	-170.1	190.6	0.1	13.1	1965.8
1180	912.9	C_SLV_ENV	Combination	Max	351.6	-168.6	190.6	0.1	88.3	2076.7
1180	0.0	C_SLV_ENV	Combination	Min	-381.8	-265.9	-174.4	-0.2	-71.0	1238.9
1180	456.5	C_SLV_ENV	Combination	Min	-381.8	-264.3	-174.4	-0.2	-14.6	1327.0
1180	912.9	C_SLV_ENV	Combination	Min	-381.8	-262.7	-174.4	-0.2	-97.3	1413.7
1181	0.0	C_SLV_ENV	Combination	Max	370.1	-144.1	150.2	-0.1	78.5	2064.7
1181	359.2	C_SLV_ENV	Combination	Max	370.1	-142.8	150.2	-0.1	24.9	2139.3
1181	718.4	C_SLV_ENV	Combination	Max	370.1	-141.6	150.2	-0.1	28.4	2214.0
1181	1077.6	C_SLV_ENV	Combination	Max	370.1	-140.4	150.2	-0.1	80.2	2291.2
1181	0.0	C_SLV_ENV	Combination	Min	-373.6	-235.2	-144.3	-0.1	-75.9	1407.2
1181	359.2	C_SLV_ENV	Combination	Min	-373.6	-234.0	-144.3	-0.1	-24.5	1468.4

1181	718.4	C_SLV_ENV	Combination	Min	-373.6	-232.8	-144.3	-0.1	-30.1	1528.6
1181	1077.6	C_SLV_ENV	Combination	Min	-373.6	-231.5	-144.3	-0.1	-84.1	1585.5
1182	0.0	C_SLV_ENV	Combination	Max	378.1	-114.5	121.9	0.6	59.5	2290.0
1182	478.4	C_SLV_ENV	Combination	Max	378.1	-112.8	121.9	0.6	2.5	2377.7
1182	956.8	C_SLV_ENV	Combination	Max	378.1	-111.2	121.9	0.6	57.8	2465.7
1182	0.0	C_SLV_ENV	Combination	Min	-372.7	-207.8	-124.7	-0.7	-61.5	1581.6
1182	478.4	C_SLV_ENV	Combination	Min	-372.7	-206.1	-124.7	-0.7	-3.1	1647.3
1182	956.8	C_SLV_ENV	Combination	Min	-372.7	-204.5	-124.7	-0.7	-57.2	1711.1
1183	0.0	C_SLV_ENV	Combination	Max	377.4	-111.4	120.8	10.0	57.8	2464.1
1183	120.8	C_SLV_ENV	Combination	Max	377.4	-110.9	120.8	10.0	72.8	2486.3
1183	0.0	C_SLV_ENV	Combination	Min	-371.9	-204.2	-123.6	-10.4	-57.2	1712.2
1183	120.8	C_SLV_ENV	Combination	Min	-371.9	-203.7	-123.6	-10.4	-71.8	1728.1
1184	0.0	C_SLV_ENV	Combination	Max	374.9	-83.3	90.3	0.0	42.2	2497.4
1184	359.2	C_SLV_ENV	Combination	Max	374.9	-81.8	90.3	0.0	10.8	2551.3
1184	718.4	C_SLV_ENV	Combination	Max	374.9	-80.3	90.3	0.0	23.9	2605.4
1184	1077.6	C_SLV_ENV	Combination	Max	374.9	-78.8	90.3	0.0	61.4	2659.8
1184	0.0	C_SLV_ENV	Combination	Min	-380.8	-179.5	-104.5	-0.3	-51.3	1731.6
1184	359.2	C_SLV_ENV	Combination	Min	-380.8	-178.0	-104.5	-0.3	-14.7	1771.6
1184	718.4	C_SLV_ENV	Combination	Min	-380.8	-176.5	-104.5	-0.3	-22.7	1810.2
1184	1077.6	C_SLV_ENV	Combination	Min	-380.8	-175.0	-104.5	-0.3	-55.1	1847.5
1185	0.0	C_SLV_ENV	Combination	Max	363.5	-52.8	51.9	0.0	23.5	2676.7
1185	407.1	C_SLV_ENV	Combination	Max	363.5	-51.1	51.9	0.0	9.3	2723.8
1185	814.3	C_SLV_ENV	Combination	Max	363.5	-49.4	51.9	0.0	32.8	2771.4
1185	0.0	C_SLV_ENV	Combination	Min	-389.5	-145.2	-83.4	-0.5	-37.2	1856.1
1185	407.1	C_SLV_ENV	Combination	Min	-389.5	-143.5	-83.4	-0.5	-10.2	1888.9
1185	814.3	C_SLV_ENV	Combination	Min	-389.5	-141.8	-83.4	-0.5	-20.9	1919.8
1186	0.0	C_SLV_ENV	Combination	Max	372.2	-32.3	139.9	1.0	26.5	2771.6
1186	263.4	C_SLV_ENV	Combination	Max	372.2	-31.2	139.9	1.0	37.5	2797.5
1186	0.0	C_SLV_ENV	Combination	Min	-428.4	-129.7	-95.4	-0.7	-16.9	1920.0
1186	263.4	C_SLV_ENV	Combination	Min	-428.4	-128.6	-95.4	-0.7	-39.7	1936.5

1187	0.0	C_SLV_ENV	Combination	Max	368.5	-6.1	94.7	-0.1	51.3	2790.4
1187	359.2	C_SLV_ENV	Combination	Max	368.5	-4.6	94.7	-0.1	18.2	2811.7
1187	718.4	C_SLV_ENV	Combination	Max	368.5	-3.1	94.7	-0.1	13.0	2833.3
1187	1077.6	C_SLV_ENV	Combination	Max	368.5	-1.6	94.7	-0.1	38.6	2855.0
1187	0.0	C_SLV_ENV	Combination	Min	-403.1	-94.9	-72.3	-0.2	-40.2	1932.2
1187	359.2	C_SLV_ENV	Combination	Min	-403.1	-93.4	-72.3	-0.2	-15.2	1946.6
1187	718.4	C_SLV_ENV	Combination	Min	-403.1	-91.9	-72.3	-0.2	-18.1	1959.7
1187	1077.6	C_SLV_ENV	Combination	Min	-403.1	-90.4	-72.3	-0.2	-51.8	1971.6
1188	0.0	C_SLV_ENV	Combination	Max	362.3	21.5	63.3	-0.1	36.1	2841.2
1188	379.7	C_SLV_ENV	Combination	Max	362.3	23.1	63.3	-0.1	12.3	2850.0
1188	759.4	C_SLV_ENV	Combination	Max	362.3	24.7	63.3	-0.1	11.2	2858.8
1188	1139.0	C_SLV_ENV	Combination	Max	362.3	26.2	63.3	-0.1	31.5	2867.5
1188	0.0	C_SLV_ENV	Combination	Min	-369.6	-58.3	-56.6	-0.2	-33.4	1965.6
1188	379.7	C_SLV_ENV	Combination	Min	-369.6	-56.7	-56.6	-0.2	-12.2	1970.2
1188	759.4	C_SLV_ENV	Combination	Min	-369.6	-55.1	-56.6	-0.2	-13.7	1973.6
1188	1139.0	C_SLV_ENV	Combination	Min	-369.6	-53.5	-56.6	-0.2	-36.6	1975.8
1189	0.0	C_SLV_ENV	Combination	Max	345.3	50.1	51.8	-0.1	34.3	2864.5
1189	379.7	C_SLV_ENV	Combination	Max	345.3	51.6	51.8	-0.1	14.8	2859.7
1189	759.4	C_SLV_ENV	Combination	Max	345.3	53.2	51.8	-0.1	8.6	2854.6
1189	1139.0	C_SLV_ENV	Combination	Max	345.3	54.8	51.8	-0.1	28.0	2849.2
1189	0.0	C_SLV_ENV	Combination	Min	-346.6	-24.1	-58.7	-0.2	-39.5	1977.7
1189	379.7	C_SLV_ENV	Combination	Min	-346.6	-22.5	-58.7	-0.2	-17.3	1972.1
1189	759.4	C_SLV_ENV	Combination	Min	-346.6	-20.9	-58.7	-0.2	-8.5	1965.5
1189	1139.0	C_SLV_ENV	Combination	Min	-346.6	-19.3	-58.7	-0.2	-25.3	1958.1
1190	0.0	C_SLV_ENV	Combination	Max	318.1	80.0	67.8	-0.1	41.5	2858.4
1190	359.2	C_SLV_ENV	Combination	Max	318.1	81.5	67.8	-0.1	17.2	2840.2
1190	718.4	C_SLV_ENV	Combination	Max	318.1	83.0	67.8	-0.1	10.8	2823.5
1190	1077.6	C_SLV_ENV	Combination	Max	318.1	84.5	67.8	-0.1	43.4	2807.7
1190	0.0	C_SLV_ENV	Combination	Min	-332.9	10.4	-91.0	-0.2	-54.7	1967.2
1190	359.2	C_SLV_ENV	Combination	Min	-332.9	11.9	-91.0	-0.2	-22.1	1952.4

1190	718.4	C_SLV_ENV	Combination	Min	-332.9	13.4	-91.0	-0.2	-7.3	1935.0
1190	1077.6	C_SLV_ENV	Combination	Min	-332.9	14.9	-91.0	-0.2	-31.6	1915.7
1191	0.0	C_SLV_ENV	Combination	Max	292.4	111.4	84.8	0.3	57.9	2809.9
1191	263.4	C_SLV_ENV	Combination	Max	292.4	112.5	84.8	0.3	37.2	2788.0
1191	0.0	C_SLV_ENV	Combination	Min	-311.3	46.4	-130.5	-1.2	-55.9	1925.6
1191	263.4	C_SLV_ENV	Combination	Min	-311.3	47.5	-130.5	-1.2	-23.2	1905.6
1192	0.0	C_SLV_ENV	Combination	Max	287.6	127.6	124.8	0.2	43.5	2786.5
1192	407.1	C_SLV_ENV	Combination	Max	287.6	129.3	124.8	0.2	5.1	2744.6
1192	814.3	C_SLV_ENV	Combination	Max	287.6	131.0	124.8	0.2	42.8	2702.4
1192	0.0	C_SLV_ENV	Combination	Min	-337.3	60.9	-92.9	-0.3	-32.9	1907.5
1192	407.1	C_SLV_ENV	Combination	Min	-337.3	62.6	-92.9	-0.3	-7.4	1871.9
1192	814.3	C_SLV_ENV	Combination	Min	-337.3	64.3	-92.9	-0.3	-58.2	1835.3
1193	0.0	C_SLV_ENV	Combination	Max	272.7	158.9	140.7	0.0	80.9	2678.9
1193	359.2	C_SLV_ENV	Combination	Max	272.7	160.4	140.7	0.0	30.4	2627.9
1193	718.4	C_SLV_ENV	Combination	Max	272.7	161.9	140.7	0.0	16.2	2576.6
1193	1077.6	C_SLV_ENV	Combination	Max	272.7	163.4	140.7	0.0	61.4	2524.9
1193	0.0	C_SLV_ENV	Combination	Min	-289.3	92.6	-126.0	-0.3	-74.4	1833.6
1193	359.2	C_SLV_ENV	Combination	Min	-289.3	94.1	-126.0	-0.3	-29.2	1793.7
1193	718.4	C_SLV_ENV	Combination	Min	-289.3	95.6	-126.0	-0.3	-20.3	1753.1
1193	1077.6	C_SLV_ENV	Combination	Min	-289.3	97.1	-126.0	-0.3	-70.8	1711.7
1194	0.0	C_SLV_ENV	Combination	Max	252.3	191.0	160.4	13.5	93.5	2508.0
1194	120.8	C_SLV_ENV	Combination	Max	252.3	191.5	160.4	13.5	74.1	2486.4
1194	0.0	C_SLV_ENV	Combination	Min	-248.5	121.7	-157.2	-13.4	-92.3	1712.2
1194	120.8	C_SLV_ENV	Combination	Min	-248.5	122.2	-157.2	-13.4	-73.3	1696.0
1195	0.0	C_SLV_ENV	Combination	Max	251.5	191.7	161.5	0.8	74.1	2481.2
1195	478.4	C_SLV_ENV	Combination	Max	251.5	193.3	161.5	0.8	2.5	2394.4
1195	956.8	C_SLV_ENV	Combination	Max	251.5	195.0	161.5	0.8	78.1	2307.2
1195	0.0	C_SLV_ENV	Combination	Min	-247.7	122.0	-158.3	-1.0	-73.3	1701.5
1195	478.4	C_SLV_ENV	Combination	Min	-247.7	123.7	-158.3	-1.0	-3.3	1637.4
1195	956.8	C_SLV_ENV	Combination	Min	-247.7	125.3	-158.3	-1.0	-80.4	1572.2

1196	0.0	C_SLV_ENV	Combination	Max	220.7	224.5	185.3	0.0	102.6	2303.0
1196	359.2	C_SLV_ENV	Combination	Max	220.7	225.7	185.3	0.0	36.0	2225.5
1196	718.4	C_SLV_ENV	Combination	Max	220.7	226.9	185.3	0.0	31.0	2147.8
1196	1077.6	C_SLV_ENV	Combination	Max	220.7	228.2	185.3	0.0	99.9	2069.9
1196	0.0	C_SLV_ENV	Combination	Min	-217.8	145.7	-191.7	-0.1	-106.7	1577.6
1196	359.2	C_SLV_ENV	Combination	Min	-217.8	146.9	-191.7	-0.1	-37.9	1521.6
1196	718.4	C_SLV_ENV	Combination	Min	-217.8	148.2	-191.7	-0.1	-30.6	1465.1
1196	1077.6	C_SLV_ENV	Combination	Min	-217.8	149.4	-191.7	-0.1	-97.1	1407.8
1197	0.0	C_SLV_ENV	Combination	Max	180.8	259.6	207.7	0.0	110.6	2074.8
1197	456.5	C_SLV_ENV	Combination	Max	180.8	261.1	207.7	0.0	15.8	1960.1
1197	912.9	C_SLV_ENV	Combination	Max	180.8	262.7	207.7	0.0	86.8	1845.1
1197	0.0	C_SLV_ENV	Combination	Min	-194.4	169.8	-225.9	-0.2	-119.5	1418.2
1197	456.5	C_SLV_ENV	Combination	Min	-194.4	171.4	-225.9	-0.2	-16.4	1336.1
1197	912.9	C_SLV_ENV	Combination	Min	-194.4	173.0	-225.9	-0.2	-79.0	1252.9
1198	0.0	C_SLV_ENV	Combination	Max	175.9	285.4	217.8	0.6	63.0	1843.0
1198	164.7	C_SLV_ENV	Combination	Max	175.9	286.0	217.8	0.6	94.2	1797.7
1198	0.0	C_SLV_ENV	Combination	Min	-208.8	185.5	-190.8	-0.3	-61.8	1255.0
1198	164.7	C_SLV_ENV	Combination	Min	-208.8	186.1	-190.8	-0.3	-97.5	1222.7
1199	0.0	C_SLV_ENV	Combination	Max	146.5	318.7	235.2	0.0	129.1	1786.8
1199	359.2	C_SLV_ENV	Combination	Max	146.5	319.9	235.2	0.0	44.6	1675.0
1199	718.4	C_SLV_ENV	Combination	Max	146.5	321.2	235.2	0.0	36.9	1563.1
1199	1077.6	C_SLV_ENV	Combination	Max	146.5	322.4	235.2	0.0	117.4	1451.1
1199	0.0	C_SLV_ENV	Combination	Min	-163.7	208.1	-224.0	-0.1	-124.0	1223.1
1199	359.2	C_SLV_ENV	Combination	Min	-163.7	209.3	-224.0	-0.1	-43.5	1145.2
1199	718.4	C_SLV_ENV	Combination	Min	-163.7	210.6	-224.0	-0.1	-39.9	1066.6
1199	1077.6	C_SLV_ENV	Combination	Min	-163.7	211.8	-224.0	-0.1	-124.4	987.1
1200	0.0	C_SLV_ENV	Combination	Max	117.2	351.9	254.0	0.0	138.7	1432.8
1200	359.2	C_SLV_ENV	Combination	Max	117.2	353.1	254.0	0.0	47.5	1309.1
1200	718.4	C_SLV_ENV	Combination	Max	117.2	354.4	254.0	0.0	42.8	1185.4
1200	1077.6	C_SLV_ENV	Combination	Max	117.2	355.6	254.0	0.0	132.4	1062.0

1200	0.0	C_SLV_ENV	Combination	Min	-110.8	231.5	-249.5	0.0	-136.4	983.4
1200	359.2	C_SLV_ENV	Combination	Min	-110.8	232.7	-249.5	0.0	-46.8	897.1
1200	718.4	C_SLV_ENV	Combination	Min	-110.8	234.0	-249.5	0.0	-43.8	809.9
1200	1077.6	C_SLV_ENV	Combination	Min	-110.8	235.2	-249.5	0.0	-135.0	721.5
1201	0.0	C_SLV_ENV	Combination	Max	79.5	383.0	270.9	0.0	147.4	1049.8
1201	359.2	C_SLV_ENV	Combination	Max	79.5	384.2	270.9	0.0	50.1	915.3
1201	718.4	C_SLV_ENV	Combination	Max	79.5	385.4	270.9	0.0	47.0	781.4
1201	1077.6	C_SLV_ENV	Combination	Max	79.5	386.7	270.9	0.0	143.2	649.2
1201	0.0	C_SLV_ENV	Combination	Min	-65.9	253.2	-267.7	0.0	-145.3	722.3
1201	359.2	C_SLV_ENV	Combination	Min	-65.9	254.4	-267.7	0.0	-49.2	627.8
1201	718.4	C_SLV_ENV	Combination	Min	-65.9	255.7	-267.7	0.0	-47.3	531.9
1201	1077.6	C_SLV_ENV	Combination	Min	-65.9	256.9	-267.7	0.0	-144.6	433.3
1202	0.0	C_SLV_ENV	Combination	Max	45.9	418.2	284.6	0.0	151.3	641.0
1202	359.2	C_SLV_ENV	Combination	Max	45.9	419.5	284.6	0.0	49.0	496.7
1202	718.4	C_SLV_ENV	Combination	Max	45.9	420.7	284.6	0.0	52.4	356.6
1202	1077.6	C_SLV_ENV	Combination	Max	45.9	421.9	284.6	0.0	152.3	224.7
1202	0.0	C_SLV_ENV	Combination	Min	-40.4	269.4	-278.1	0.0	-147.4	441.0
1202	359.2	C_SLV_ENV	Combination	Min	-40.4	270.7	-278.1	0.0	-47.5	337.8
1202	718.4	C_SLV_ENV	Combination	Min	-40.4	271.9	-278.1	0.0	-53.2	229.6
1202	1077.6	C_SLV_ENV	Combination	Min	-40.4	273.1	-278.1	0.0	-155.5	112.2
1203	0.0	C_SLV_ENV	Combination	Max	68.5	455.6	294.9	0.3	88.2	205.6
1203	484.9	C_SLV_ENV	Combination	Max	68.5	457.3	294.9	0.3	53.5	18.3
1203	0.0	C_SLV_ENV	Combination	Min	-78.5	284.1	-279.4	-0.2	-82.0	136.4
1203	484.9	C_SLV_ENV	Combination	Min	-78.5	285.8	-279.4	-0.2	-54.9	-35.8
1204	0.0	C_SLV_ENV	Combination	Max	56.7	-328.0	171.6	0.0	38.6	5.1
1204	484.9	C_SLV_ENV	Combination	Max	56.7	-326.3	171.6	0.0	27.7	233.9
1204	0.0	C_SLV_ENV	Combination	Min	-86.7	-541.9	-92.7	-0.5	-17.2	-59.9
1204	484.9	C_SLV_ENV	Combination	Min	-86.7	-540.2	-92.7	-0.5	-44.7	132.2
1205	0.0	C_SLV_ENV	Combination	Max	146.8	-286.2	154.1	0.0	84.7	244.8
1205	359.2	C_SLV_ENV	Combination	Max	146.8	-284.9	154.1	0.0	29.3	383.7

1205	718.4	C_SLV_ENV	Combination	Max	146.8	-283.7	154.1	0.0	15.7	543.2
1205	1077.6	C_SLV_ENV	Combination	Max	146.8	-282.4	154.1	0.0	55.9	710.7
1205	0.0	C_SLV_ENV	Combination	Min	-171.7	-498.3	-111.9	-0.2	-64.7	124.3
1205	359.2	C_SLV_ENV	Combination	Min	-171.7	-497.0	-111.9	-0.2	-24.5	266.7
1205	718.4	C_SLV_ENV	Combination	Min	-171.7	-495.8	-111.9	-0.2	-26.1	387.6
1205	1077.6	C_SLV_ENV	Combination	Min	-171.7	-494.5	-111.9	-0.2	-81.4	499.6
1206	0.0	C_SLV_ENV	Combination	Max	256.8	-246.0	132.6	0.0	67.5	710.1
1206	359.2	C_SLV_ENV	Combination	Max	256.8	-244.8	132.6	0.0	19.9	848.5
1206	718.4	C_SLV_ENV	Combination	Max	256.8	-243.5	132.6	0.0	20.0	993.2
1206	1077.6	C_SLV_ENV	Combination	Max	256.8	-242.3	132.6	0.0	64.2	1142.6
1206	0.0	C_SLV_ENV	Combination	Min	-273.9	-449.4	-123.4	-0.1	-68.8	501.9
1206	359.2	C_SLV_ENV	Combination	Min	-273.9	-448.1	-123.4	-0.1	-24.5	612.8
1206	718.4	C_SLV_ENV	Combination	Min	-273.9	-446.9	-123.4	-0.1	-27.9	716.6
1206	1077.6	C_SLV_ENV	Combination	Min	-273.9	-445.6	-123.4	-0.1	-75.4	814.8
1207	0.0	C_SLV_ENV	Combination	Max	370.4	-209.1	107.7	0.0	53.0	1137.3
1207	359.2	C_SLV_ENV	Combination	Max	370.4	-207.9	107.7	0.0	14.4	1260.4
1207	718.4	C_SLV_ENV	Combination	Max	370.4	-206.6	107.7	0.0	22.8	1388.0
1207	1077.6	C_SLV_ENV	Combination	Max	370.4	-205.4	107.7	0.0	70.3	1519.2
1207	0.0	C_SLV_ENV	Combination	Min	-365.5	-399.5	-132.4	-0.1	-72.4	811.6
1207	359.2	C_SLV_ENV	Combination	Min	-365.5	-398.2	-132.4	-0.1	-24.9	906.6
1207	718.4	C_SLV_ENV	Combination	Min	-365.5	-397.0	-132.4	-0.1	-24.5	996.3
1207	1077.6	C_SLV_ENV	Combination	Min	-365.5	-395.7	-132.4	-0.1	-63.1	1081.5
1208	0.0	C_SLV_ENV	Combination	Max	486.6	-175.6	77.4	0.0	39.4	1507.2
1208	359.2	C_SLV_ENV	Combination	Max	486.6	-174.4	77.4	0.0	11.6	1615.1
1208	718.4	C_SLV_ENV	Combination	Max	486.6	-173.1	77.4	0.0	30.5	1726.0
1208	1077.6	C_SLV_ENV	Combination	Max	486.6	-171.9	77.4	0.0	82.3	1839.8
1208	0.0	C_SLV_ENV	Combination	Min	-441.4	-351.0	-144.0	-0.1	-73.0	1072.3
1208	359.2	C_SLV_ENV	Combination	Min	-441.4	-349.8	-144.0	-0.1	-21.3	1153.1
1208	718.4	C_SLV_ENV	Combination	Min	-441.4	-348.5	-144.0	-0.1	-16.3	1230.0
1208	1077.6	C_SLV_ENV	Combination	Min	-441.4	-347.3	-144.0	-0.1	-44.1	1303.2

1209	0.0	C_SLV_ENV	Combination	Max	585.7	-145.5	40.8	0.8	57.7	1832.6
1209	164.7	C_SLV_ENV	Combination	Max	585.7	-144.9	40.8	0.8	55.2	1875.5
1209	0.0	C_SLV_ENV	Combination	Min	-506.3	-306.7	-161.6	0.1	-39.3	1298.2
1209	164.7	C_SLV_ENV	Combination	Min	-506.3	-306.2	-161.6	0.1	-17.0	1329.7
1210	0.0	C_SLV_ENV	Combination	Max	548.8	-156.6	152.1	-0.2	63.7	1875.3
1210	456.5	C_SLV_ENV	Combination	Max	548.8	-155.0	152.1	-0.2	12.2	2002.6
1210	912.9	C_SLV_ENV	Combination	Max	548.8	-153.4	152.1	-0.2	43.6	2133.4
1210	0.0	C_SLV_ENV	Combination	Min	-551.2	-317.6	-73.3	-0.3	-23.4	1329.0
1210	456.5	C_SLV_ENV	Combination	Min	-551.2	-316.0	-73.3	-0.3	-7.8	1417.4
1210	912.9	C_SLV_ENV	Combination	Min	-551.2	-314.4	-73.3	-0.3	-75.2	1501.0
1211	0.0	C_SLV_ENV	Combination	Max	620.9	-127.3	109.1	-0.1	53.1	2142.0
1211	359.2	C_SLV_ENV	Combination	Max	620.9	-126.1	109.1	-0.1	14.0	2226.2
1211	718.4	C_SLV_ENV	Combination	Max	620.9	-124.8	109.1	-0.1	14.0	2312.1
1211	1077.6	C_SLV_ENV	Combination	Max	620.9	-123.6	109.1	-0.1	42.2	2399.1
1211	0.0	C_SLV_ENV	Combination	Min	-624.9	-270.5	-78.6	-0.2	-42.5	1510.1
1211	359.2	C_SLV_ENV	Combination	Min	-624.9	-269.2	-78.6	-0.2	-14.4	1568.2
1211	718.4	C_SLV_ENV	Combination	Min	-624.9	-268.0	-78.6	-0.2	-25.4	1623.9
1211	1077.6	C_SLV_ENV	Combination	Min	-624.9	-266.7	-78.6	-0.2	-64.6	1677.6
1212	0.0	C_SLV_ENV	Combination	Max	690.7	-97.7	70.0	0.4	29.2	2399.5
1212	478.4	C_SLV_ENV	Combination	Max	690.7	-96.0	70.0	0.4	-0.7	2490.9
1212	956.8	C_SLV_ENV	Combination	Max	690.7	-94.4	70.0	0.4	35.6	2583.7
1212	0.0	C_SLV_ENV	Combination	Min	-681.1	-220.3	-82.1	-0.5	-43.0	1682.0
1212	478.4	C_SLV_ENV	Combination	Min	-681.1	-218.7	-82.1	-0.5	-7.3	1741.9
1212	956.8	C_SLV_ENV	Combination	Min	-681.1	-217.0	-82.1	-0.5	-37.9	1798.8
1213	0.0	C_SLV_ENV	Combination	Max	690.8	-94.6	69.5	5.8	35.6	2583.9
1213	120.8	C_SLV_ENV	Combination	Max	690.8	-94.1	69.5	5.8	45.5	2606.0
1213	0.0	C_SLV_ENV	Combination	Min	-681.2	-216.8	-81.6	-7.1	-37.9	1797.8
1213	120.8	C_SLV_ENV	Combination	Min	-681.2	-216.3	-81.6	-7.1	-46.3	1813.2
1214	0.0	C_SLV_ENV	Combination	Max	759.8	-68.7	29.9	0.0	8.7	2605.1
1214	359.2	C_SLV_ENV	Combination	Max	759.8	-67.2	29.9	0.0	-0.8	2654.4

1214	718.4	C_SLV_ENV	Combination	Max	759.8	-65.7	29.9	0.0	19.2	2703.6
1214	1077.6	C_SLV_ENV	Combination	Max	759.8	-64.2	29.9	0.0	46.9	2753.1
1214	0.0	C_SLV_ENV	Combination	Min	-715.3	-172.2	-83.4	-0.2	-43.3	1799.3
1214	359.2	C_SLV_ENV	Combination	Min	-715.3	-170.7	-83.4	-0.2	-14.5	1836.1
1214	718.4	C_SLV_ENV	Combination	Min	-715.3	-169.2	-83.4	-0.2	-15.3	1871.7
1214	1077.6	C_SLV_ENV	Combination	Min	-715.3	-167.7	-83.4	-0.2	-23.7	1906.1
1215	0.0	C_SLV_ENV	Combination	Max	823.7	-45.8	-12.7	0.2	5.7	2743.1
1215	407.1	C_SLV_ENV	Combination	Max	823.7	-44.1	-12.7	0.2	17.8	2782.3
1215	814.3	C_SLV_ENV	Combination	Max	823.7	-42.4	-12.7	0.2	49.0	2821.1
1215	0.0	C_SLV_ENV	Combination	Min	-729.1	-121.6	-91.5	-0.3	-36.0	1889.7
1215	407.1	C_SLV_ENV	Combination	Min	-729.1	-119.9	-91.5	-0.3	-5.8	1918.0
1215	814.3	C_SLV_ENV	Combination	Min	-729.1	-118.2	-91.5	-0.3	5.5	1945.2
1216	0.0	C_SLV_ENV	Combination	Max	775.7	-52.1	154.2	0.3	46.3	2821.3
1216	263.4	C_SLV_ENV	Combination	Max	775.7	-51.0	154.2	0.3	38.1	2849.0
1216	0.0	C_SLV_ENV	Combination	Min	-774.2	-126.1	-24.2	-1.0	7.0	1944.9
1216	263.4	C_SLV_ENV	Combination	Min	-774.2	-125.0	-24.2	-1.0	-19.1	1963.8
1217	0.0	C_SLV_ENV	Combination	Max	801.2	-32.3	105.6	-0.2	61.0	2861.6
1217	359.2	C_SLV_ENV	Combination	Max	801.2	-30.8	105.6	-0.2	24.1	2885.7
1217	718.4	C_SLV_ENV	Combination	Max	801.2	-29.3	105.6	-0.2	8.6	2909.5
1217	1077.6	C_SLV_ENV	Combination	Max	801.2	-27.8	105.6	-0.2	18.1	2932.9
1217	0.0	C_SLV_ENV	Combination	Min	-790.8	-83.0	-32.4	-0.3	-18.3	1965.7
1217	359.2	C_SLV_ENV	Combination	Min	-790.8	-81.5	-32.4	-0.3	-7.7	1982.4
1217	718.4	C_SLV_ENV	Combination	Min	-790.8	-80.0	-32.4	-0.3	-18.5	1998.5
1217	1077.6	C_SLV_ENV	Combination	Min	-790.8	-78.5	-32.4	-0.3	-54.2	2013.8
1218	0.0	C_SLV_ENV	Combination	Max	807.4	-5.9	65.1	-0.2	32.8	2949.7
1218	379.7	C_SLV_ENV	Combination	Max	807.4	-4.3	65.1	-0.2	12.6	2958.7
1218	759.4	C_SLV_ENV	Combination	Max	807.4	-2.8	65.1	-0.2	5.7	2967.1
1218	1139.0	C_SLV_ENV	Combination	Max	807.4	-1.2	65.1	-0.2	19.7	2975.0
1218	0.0	C_SLV_ENV	Combination	Min	-799.0	-34.5	-41.7	-0.3	-29.5	2020.7
1218	379.7	C_SLV_ENV	Combination	Min	-799.0	-32.9	-41.7	-0.3	-18.2	2026.5

1218	759.4	C_SLV_ENV	Combination	Min	-799.0	-31.3	-41.7	-0.3	-20.1	2031.6
1218	1139.0	C_SLV_ENV	Combination	Min	-799.0	-29.7	-41.7	-0.3	-43.1	2036.1
1219	0.0	C_SLV_ENV	Combination	Max	809.0	32.1	38.8	-0.1	24.4	2978.0
1219	379.7	C_SLV_ENV	Combination	Max	809.0	33.7	38.8	-0.1	10.0	2969.2
1219	759.4	C_SLV_ENV	Combination	Max	809.0	35.3	38.8	-0.1	6.7	2960.5
1219	1139.0	C_SLV_ENV	Combination	Max	809.0	36.9	38.8	-0.1	26.3	2951.5
1219	0.0	C_SLV_ENV	Combination	Min	-782.3	5.4	-61.7	-0.2	-47.3	2037.3
1219	379.7	C_SLV_ENV	Combination	Min	-782.3	7.0	-61.7	-0.2	-24.3	2031.2
1219	759.4	C_SLV_ENV	Combination	Min	-782.3	8.6	-61.7	-0.2	-12.2	2023.8
1219	1139.0	C_SLV_ENV	Combination	Min	-782.3	10.2	-61.7	-0.2	-23.1	2015.6
1220	0.0	C_SLV_ENV	Combination	Max	808.0	81.3	25.2	0.0	23.4	2940.6
1220	359.2	C_SLV_ENV	Combination	Max	808.0	82.8	25.2	0.0	14.5	2917.1
1220	718.4	C_SLV_ENV	Combination	Max	808.0	84.3	25.2	0.0	13.6	2893.3
1220	1077.6	C_SLV_ENV	Combination	Max	808.0	85.8	25.2	0.0	46.2	2869.1
1220	0.0	C_SLV_ENV	Combination	Min	-740.2	31.8	-97.0	-0.1	-58.6	2010.1
1220	359.2	C_SLV_ENV	Combination	Min	-740.2	33.3	-97.0	-0.1	-23.9	1992.4
1220	718.4	C_SLV_ENV	Combination	Min	-740.2	34.8	-97.0	-0.1	2.8	1974.0
1220	1077.6	C_SLV_ENV	Combination	Min	-740.2	36.3	-97.0	-0.1	-3.9	1954.9
1221	0.0	C_SLV_ENV	Combination	Max	792.3	129.5	11.3	0.6	59.8	2860.6
1221	263.4	C_SLV_ENV	Combination	Max	792.3	130.6	11.3	0.6	60.6	2832.8
1221	0.0	C_SLV_ENV	Combination	Min	-689.6	53.4	-138.8	-0.6	-39.4	1955.1
1221	263.4	C_SLV_ENV	Combination	Min	-689.6	54.5	-138.8	-0.6	-6.6	1934.5
1222	0.0	C_SLV_ENV	Combination	Max	743.2	124.2	142.6	-0.1	64.1	2832.1
1222	407.1	C_SLV_ENV	Combination	Max	743.2	125.9	142.6	-0.1	8.9	2793.7
1222	814.3	C_SLV_ENV	Combination	Max	743.2	127.6	142.6	-0.1	21.4	2755.4
1222	0.0	C_SLV_ENV	Combination	Min	-731.7	43.7	-40.0	-0.5	-11.4	1935.1
1222	407.1	C_SLV_ENV	Combination	Min	-731.7	45.4	-40.0	-0.5	2.1	1904.3
1222	814.3	C_SLV_ENV	Combination	Min	-731.7	47.1	-40.0	-0.5	-52.2	1872.2
1223	0.0	C_SLV_ENV	Combination	Max	690.1	173.4	124.5	-0.1	71.9	2772.0
1223	359.2	C_SLV_ENV	Combination	Max	690.1	174.9	124.5	-0.1	27.5	2722.9

1223	718.4	C_SLV_ENV	Combination	Max	690.1	176.4	124.5	-0.1	2.9	2674.4
1223	1077.6	C_SLV_ENV	Combination	Max	690.1	177.9	124.5	-0.1	28.5	2626.3
1223	0.0	C_SLV_ENV	Combination	Min	-688.5	65.6	-72.1	-0.3	-49.5	1888.5
1223	359.2	C_SLV_ENV	Combination	Min	-688.5	67.1	-72.1	-0.3	-23.9	1851.1
1223	718.4	C_SLV_ENV	Combination	Min	-688.5	68.6	-72.1	-0.3	-18.1	1812.2
1223	1077.6	C_SLV_ENV	Combination	Min	-688.5	70.1	-72.1	-0.3	-62.5	1771.7
1224	0.0	C_SLV_ENV	Combination	Max	624.9	220.1	117.0	9.6	67.1	2633.6
1224	120.8	C_SLV_ENV	Combination	Max	624.9	220.6	117.0	9.6	53.0	2611.3
1224	0.0	C_SLV_ENV	Combination	Min	-625.2	97.0	-105.4	-8.8	-68.0	1788.2
1224	120.8	C_SLV_ENV	Combination	Min	-625.2	97.5	-105.4	-8.8	-55.3	1772.1
1225	0.0	C_SLV_ENV	Combination	Max	624.8	220.9	118.1	0.5	53.0	2606.0
1225	478.4	C_SLV_ENV	Combination	Max	624.8	222.5	118.1	0.5	-0.8	2513.9
1225	956.8	C_SLV_ENV	Combination	Max	624.8	224.2	118.1	0.5	46.8	2422.7
1225	0.0	C_SLV_ENV	Combination	Min	-625.1	97.3	-106.5	-0.7	-55.3	1777.4
1225	478.4	C_SLV_ENV	Combination	Min	-625.1	99.0	-106.5	-0.7	-7.0	1716.5
1225	956.8	C_SLV_ENV	Combination	Min	-625.1	100.6	-106.5	-0.7	-60.2	1653.1
1226	0.0	C_SLV_ENV	Combination	Max	559.6	271.8	109.9	0.0	60.7	2426.9
1226	359.2	C_SLV_ENV	Combination	Max	559.6	273.1	109.9	0.0	21.3	2339.9
1226	718.4	C_SLV_ENV	Combination	Max	559.6	274.3	109.9	0.0	18.1	2253.4
1226	1077.6	C_SLV_ENV	Combination	Max	559.6	275.6	109.9	0.0	68.0	2167.9
1226	0.0	C_SLV_ENV	Combination	Min	-540.2	125.1	-139.2	-0.1	-82.1	1653.6
1226	359.2	C_SLV_ENV	Combination	Min	-540.2	126.4	-139.2	-0.1	-32.1	1597.6
1226	718.4	C_SLV_ENV	Combination	Min	-540.2	127.6	-139.2	-0.1	-18.4	1540.2
1226	1077.6	C_SLV_ENV	Combination	Min	-540.2	128.8	-139.2	-0.1	-57.8	1480.9
1227	0.0	C_SLV_ENV	Combination	Max	491.7	321.6	99.9	0.2	60.6	2161.6
1227	456.5	C_SLV_ENV	Combination	Max	491.7	323.2	99.9	0.2	15.3	2029.3
1227	912.9	C_SLV_ENV	Combination	Max	491.7	324.8	99.9	0.2	69.3	1898.7
1227	0.0	C_SLV_ENV	Combination	Min	-434.1	152.8	-174.7	0.0	-90.2	1477.7
1227	456.5	C_SLV_ENV	Combination	Min	-434.1	154.4	-174.7	0.0	-10.7	1392.7
1227	912.9	C_SLV_ENV	Combination	Min	-434.1	156.0	-174.7	0.0	-30.6	1304.6

1228	0.0	C_SLV_ENV	Combination	Max	449.4	314.0	197.4	-0.3	57.4	1897.8
1228	164.7	C_SLV_ENV	Combination	Max	449.4	314.6	197.4	-0.3	70.0	1853.9
1228	0.0	C_SLV_ENV	Combination	Min	-464.1	144.7	-84.0	-0.9	-22.8	1305.6
1228	164.7	C_SLV_ENV	Combination	Min	-464.1	145.3	-84.0	-0.9	-54.1	1273.8
1229	0.0	C_SLV_ENV	Combination	Max	362.2	357.2	179.2	-0.1	101.0	1864.6
1229	359.2	C_SLV_ENV	Combination	Max	362.2	358.4	179.2	-0.1	36.7	1750.0
1229	718.4	C_SLV_ENV	Combination	Max	362.2	359.6	179.2	-0.1	18.5	1637.0
1229	1077.6	C_SLV_ENV	Combination	Max	362.2	360.9	179.2	-0.1	60.5	1527.0
1229	0.0	C_SLV_ENV	Combination	Min	-369.0	169.6	-117.1	-0.1	-65.7	1281.2
1229	359.2	C_SLV_ENV	Combination	Min	-369.0	170.9	-117.1	-0.1	-23.6	1206.1
1229	718.4	C_SLV_ENV	Combination	Min	-369.0	172.1	-117.1	-0.1	-27.7	1128.6
1229	1077.6	C_SLV_ENV	Combination	Min	-369.0	173.3	-117.1	-0.1	-92.1	1047.1
1230	0.0	C_SLV_ENV	Combination	Max	254.6	405.5	166.2	0.0	88.6	1542.2
1230	359.2	C_SLV_ENV	Combination	Max	254.6	406.7	166.2	0.0	29.0	1410.6
1230	718.4	C_SLV_ENV	Combination	Max	254.6	407.9	166.2	0.0	21.2	1280.9
1230	1077.6	C_SLV_ENV	Combination	Max	254.6	409.2	166.2	0.0	72.8	1155.9
1230	0.0	C_SLV_ENV	Combination	Min	-268.0	202.7	-143.7	-0.1	-82.2	1060.0
1230	359.2	C_SLV_ENV	Combination	Min	-268.0	203.9	-143.7	-0.1	-30.6	972.6
1230	718.4	C_SLV_ENV	Combination	Min	-268.0	205.1	-143.7	-0.1	-30.9	882.5
1230	1077.6	C_SLV_ENV	Combination	Min	-268.0	206.4	-143.7	-0.1	-90.5	786.9
1231	0.0	C_SLV_ENV	Combination	Max	145.8	453.6	155.1	0.0	81.4	1162.4
1231	359.2	C_SLV_ENV	Combination	Max	145.8	454.8	155.1	0.0	25.7	1013.0
1231	718.4	C_SLV_ENV	Combination	Max	145.8	456.0	155.1	0.0	26.1	865.8
1231	1077.6	C_SLV_ENV	Combination	Max	145.8	457.3	155.1	0.0	85.0	725.8
1231	0.0	C_SLV_ENV	Combination	Min	-154.8	240.7	-164.0	0.0	-91.7	797.5
1231	359.2	C_SLV_ENV	Combination	Min	-154.8	241.9	-164.0	0.0	-32.9	697.1
1231	718.4	C_SLV_ENV	Combination	Min	-154.8	243.1	-164.0	0.0	-30.2	593.6
1231	1077.6	C_SLV_ENV	Combination	Min	-154.8	244.4	-164.0	0.0	-85.8	482.0
1232	0.0	C_SLV_ENV	Combination	Max	60.2	499.1	140.8	0.1	70.9	724.5
1232	359.2	C_SLV_ENV	Combination	Max	60.2	500.4	140.8	0.1	20.4	557.5

1232	718.4	C_SLV_ENV	Combination	Max	60.2	501.6	140.8	0.1	34.8	392.9
1232	1077.6	C_SLV_ENV	Combination	Max	60.2	502.8	140.8	0.1	99.1	241.1
1232	0.0	C_SLV_ENV	Combination	Min	-52.6	283.4	-179.0	0.0	-93.8	489.7
1232	359.2	C_SLV_ENV	Combination	Min	-52.6	284.6	-179.0	0.0	-29.5	375.1
1232	718.4	C_SLV_ENV	Combination	Min	-52.6	285.9	-179.0	0.0	-30.2	257.3
1232	1077.6	C_SLV_ENV	Combination	Min	-52.6	287.1	-179.0	0.0	-80.8	125.8
1233	0.0	C_SLV_ENV	Combination	Max	73.0	540.4	118.2	0.5	34.9	241.4
1233	484.9	C_SLV_ENV	Combination	Max	73.0	542.1	118.2	0.5	42.0	-10.1
1233	0.0	C_SLV_ENV	Combination	Min	-44.1	331.0	-188.6	-0.1	-49.5	127.3
1233	484.9	C_SLV_ENV	Combination	Min	-44.1	332.7	-188.6	-0.1	-22.5	-44.6
1234	0.0	C_SLV_ENV	Combination	Max	2124.5	89.8	353.7	1.9	69.7	2014.0
1234	484.9	C_SLV_ENV	Combination	Max	2124.5	91.4	353.7	1.9	103.4	1975.5
1234	0.0	C_SLV_ENV	Combination	Min	-2117.2	-826.1	-357.4	-1.9	-70.2	-2042.3
1234	484.9	C_SLV_ENV	Combination	Min	-2117.2	-824.4	-357.4	-1.9	-102.1	-1647.5
1235	0.0	C_SLV_ENV	Combination	Max	1916.4	104.8	317.8	0.1	173.3	2105.4
1235	359.2	C_SLV_ENV	Combination	Max	1916.4	106.0	317.8	0.1	59.2	2072.1
1235	718.4	C_SLV_ENV	Combination	Max	1916.4	107.3	317.8	0.1	55.3	2038.9
1235	1077.6	C_SLV_ENV	Combination	Max	1916.4	108.5	317.8	0.1	170.2	2005.8
1235	0.0	C_SLV_ENV	Combination	Min	-1915.6	-791.0	-319.7	-0.1	-174.4	-1769.1
1235	359.2	C_SLV_ENV	Combination	Min	-1915.6	-789.8	-319.7	-0.1	-59.5	-1489.8
1235	718.4	C_SLV_ENV	Combination	Min	-1915.6	-788.5	-319.7	-0.1	-54.9	-1211.4
1235	1077.6	C_SLV_ENV	Combination	Min	-1915.6	-787.3	-319.7	-0.1	-169.1	-934.1
1236	0.0	C_SLV_ENV	Combination	Max	1694.9	105.9	289.8	0.0	154.1	2160.3
1236	359.2	C_SLV_ENV	Combination	Max	1694.9	107.2	289.8	0.0	50.0	2128.2
1236	718.4	C_SLV_ENV	Combination	Max	1694.9	108.4	289.8	0.0	54.2	2096.2
1236	1077.6	C_SLV_ENV	Combination	Max	1694.9	109.7	289.8	0.0	158.5	2064.5
1236	0.0	C_SLV_ENV	Combination	Min	-1698.7	-735.6	-290.3	-0.1	-154.3	-1081.7
1236	359.2	C_SLV_ENV	Combination	Min	-1698.7	-734.3	-290.3	-0.1	-50.1	-823.8
1236	718.4	C_SLV_ENV	Combination	Min	-1698.7	-733.1	-290.3	-0.1	-54.1	-567.0
1236	1077.6	C_SLV_ENV	Combination	Min	-1698.7	-731.9	-290.3	-0.1	-158.2	-311.3

1237	0.0	C_SLV_ENV	Combination	Max	1490.8	101.2	266.0	0.0	141.0	2214.0
1237	359.2	C_SLV_ENV	Combination	Max	1490.8	102.4	266.0	0.0	45.5	2185.1
1237	718.4	C_SLV_ENV	Combination	Max	1490.8	103.7	266.0	0.0	49.8	2156.7
1237	1077.6	C_SLV_ENV	Combination	Max	1490.8	104.9	266.0	0.0	144.9	2129.0
1237	0.0	C_SLV_ENV	Combination	Min	-1498.0	-672.3	-264.9	-0.1	-140.5	-455.0
1237	359.2	C_SLV_ENV	Combination	Min	-1498.0	-671.1	-264.9	-0.1	-45.4	-221.4
1237	718.4	C_SLV_ENV	Combination	Min	-1498.0	-669.9	-264.9	-0.1	-50.0	10.8
1237	1077.6	C_SLV_ENV	Combination	Min	-1498.0	-668.6	-264.9	-0.1	-145.6	241.4
1238	0.0	C_SLV_ENV	Combination	Max	1313.7	95.1	242.8	0.0	127.7	2262.0
1238	359.2	C_SLV_ENV	Combination	Max	1313.7	96.3	242.8	0.0	40.5	2237.4
1238	718.4	C_SLV_ENV	Combination	Max	1313.7	97.5	242.8	0.0	46.0	2213.8
1238	1077.6	C_SLV_ENV	Combination	Max	1313.7	98.8	242.8	0.0	132.1	2192.1
1238	0.0	C_SLV_ENV	Combination	Min	-1324.9	-605.7	-239.8	-0.1	-126.2	114.5
1238	359.2	C_SLV_ENV	Combination	Min	-1324.9	-604.5	-239.8	-0.1	-40.1	322.1
1238	718.4	C_SLV_ENV	Combination	Min	-1324.9	-603.3	-239.8	-0.1	-46.8	527.7
1238	1077.6	C_SLV_ENV	Combination	Min	-1324.9	-602.0	-239.8	-0.1	-134.0	730.7
1239	0.0	C_SLV_ENV	Combination	Max	1158.6	88.9	219.7	0.3	97.6	2309.1
1239	164.7	C_SLV_ENV	Combination	Max	1158.6	89.5	219.7	0.3	61.5	2300.1
1239	0.0	C_SLV_ENV	Combination	Min	-1174.9	-536.1	-213.9	-0.5	-97.2	619.8
1239	164.7	C_SLV_ENV	Combination	Min	-1174.9	-535.5	-213.9	-0.5	-62.0	702.4
1240	0.0	C_SLV_ENV	Combination	Max	1138.3	37.0	212.9	0.0	80.5	2300.5
1240	456.5	C_SLV_ENV	Combination	Max	1138.3	38.6	212.9	0.0	16.3	2300.3
1240	912.9	C_SLV_ENV	Combination	Max	1138.3	40.2	212.9	0.0	115.2	2303.7
1240	0.0	C_SLV_ENV	Combination	Min	-1149.4	-477.4	-216.6	-0.2	-82.6	702.2
1240	456.5	C_SLV_ENV	Combination	Min	-1149.4	-475.8	-216.6	-0.2	-16.7	902.7
1240	912.9	C_SLV_ENV	Combination	Min	-1149.4	-474.3	-216.6	-0.2	-113.9	1098.2
1241	0.0	C_SLV_ENV	Combination	Max	984.9	35.6	186.2	-0.1	97.7	2417.6
1241	359.2	C_SLV_ENV	Combination	Max	984.9	36.8	186.2	-0.1	30.8	2419.5
1241	718.4	C_SLV_ENV	Combination	Max	984.9	38.1	186.2	-0.1	36.3	2424.0
1241	1077.6	C_SLV_ENV	Combination	Max	984.9	39.3	186.2	-0.1	103.7	2432.1

1241	0.0	C_SLV_ENV	Combination	Min	-998.3	-414.6	-187.6	-0.1	-98.5	987.7
1241	359.2	C_SLV_ENV	Combination	Min	-998.3	-413.3	-187.6	-0.1	-31.1	1121.4
1241	718.4	C_SLV_ENV	Combination	Min	-998.3	-412.1	-187.6	-0.1	-36.1	1251.8
1241	1077.6	C_SLV_ENV	Combination	Min	-998.3	-410.9	-187.6	-0.1	-103.0	1377.5
1242	0.0	C_SLV_ENV	Combination	Max	859.0	40.2	157.1	0.8	78.3	2520.3
1242	478.4	C_SLV_ENV	Combination	Max	859.0	41.9	157.1	0.8	3.2	2526.4
1242	956.8	C_SLV_ENV	Combination	Max	859.0	43.5	157.1	0.8	71.8	2539.8
1242	0.0	C_SLV_ENV	Combination	Min	-876.1	-356.9	-156.8	-1.0	-78.2	1293.6
1242	478.4	C_SLV_ENV	Combination	Min	-876.1	-355.3	-156.8	-1.0	-3.3	1438.2
1242	956.8	C_SLV_ENV	Combination	Min	-876.1	-353.6	-156.8	-1.0	-72.0	1574.0
1243	0.0	C_SLV_ENV	Combination	Max	858.2	43.6	156.0	13.1	71.8	2487.1
1243	120.8	C_SLV_ENV	Combination	Max	858.2	44.2	156.0	13.1	90.6	2495.1
1243	0.0	C_SLV_ENV	Combination	Min	-875.3	-353.7	-155.7	-13.3	-72.0	1628.2
1243	120.8	C_SLV_ENV	Combination	Min	-875.3	-353.2	-155.7	-13.3	-90.8	1657.7
1244	0.0	C_SLV_ENV	Combination	Max	754.8	52.3	127.9	0.0	63.7	2558.1
1244	359.2	C_SLV_ENV	Combination	Max	754.8	53.8	127.9	0.0	17.8	2569.0
1244	718.4	C_SLV_ENV	Combination	Max	754.8	55.3	127.9	0.0	27.7	2586.7
1244	1077.6	C_SLV_ENV	Combination	Max	754.8	56.8	127.9	0.0	73.0	2624.1
1244	0.0	C_SLV_ENV	Combination	Min	-778.1	-305.1	-126.1	-0.3	-63.0	1601.3
1244	359.2	C_SLV_ENV	Combination	Min	-778.1	-303.6	-126.1	-0.3	-17.7	1680.7
1244	718.4	C_SLV_ENV	Combination	Min	-778.1	-302.1	-126.1	-0.3	-28.2	1752.1
1244	1077.6	C_SLV_ENV	Combination	Min	-778.1	-300.6	-126.1	-0.3	-74.1	1802.8
1245	0.0	C_SLV_ENV	Combination	Max	668.6	65.8	95.7	0.1	44.1	2651.4
1245	407.1	C_SLV_ENV	Combination	Max	668.6	67.5	95.7	0.1	5.2	2678.1
1245	814.3	C_SLV_ENV	Combination	Max	668.6	69.2	95.7	0.1	32.8	2713.1
1245	0.0	C_SLV_ENV	Combination	Min	-700.9	-251.1	-92.3	-0.4	-42.4	1784.5
1245	407.1	C_SLV_ENV	Combination	Min	-700.9	-249.4	-92.3	-0.4	-4.9	1832.6
1245	814.3	C_SLV_ENV	Combination	Min	-700.9	-247.7	-92.3	-0.4	-33.9	1870.9
1246	0.0	C_SLV_ENV	Combination	Max	661.5	52.0	88.9	0.6	23.9	2713.4
1246	263.4	C_SLV_ENV	Combination	Max	661.5	53.1	88.9	0.6	48.5	2739.5

1246	0.0	C_SLV_ENV	Combination	Min	-690.4	-220.5	-93.8	-1.0	-27.9	1870.6
1246	263.4	C_SLV_ENV	Combination	Min	-690.4	-219.4	-93.8	-1.0	-51.2	1888.7
1247	0.0	C_SLV_ENV	Combination	Max	578.6	63.2	55.8	-0.1	24.9	2745.9
1247	359.2	C_SLV_ENV	Combination	Max	578.6	64.7	55.8	-0.1	4.9	2761.7
1247	718.4	C_SLV_ENV	Combination	Max	578.6	66.2	55.8	-0.1	15.2	2783.0
1247	1077.6	C_SLV_ENV	Combination	Max	578.6	67.7	55.8	-0.1	36.2	2808.4
1247	0.0	C_SLV_ENV	Combination	Min	-606.6	-169.1	-58.5	-0.2	-26.9	1881.2
1247	359.2	C_SLV_ENV	Combination	Min	-606.6	-167.6	-58.5	-0.2	-5.9	1902.9
1247	718.4	C_SLV_ENV	Combination	Min	-606.6	-166.1	-58.5	-0.2	-15.2	1918.0
1247	1077.6	C_SLV_ENV	Combination	Min	-606.6	-164.6	-58.5	-0.2	-35.2	1927.9
1248	0.0	C_SLV_ENV	Combination	Max	500.9	80.6	19.7	-0.1	5.9	2802.2
1248	379.7	C_SLV_ENV	Combination	Max	500.9	82.2	19.7	-0.1	1.8	2810.4
1248	759.4	C_SLV_ENV	Combination	Max	500.9	83.8	19.7	-0.1	9.1	2822.2
1248	1139.0	C_SLV_ENV	Combination	Max	500.9	85.3	19.7	-0.1	16.9	2835.3
1248	0.0	C_SLV_ENV	Combination	Min	-526.0	-119.1	-20.6	-0.2	-6.7	1930.9
1248	379.7	C_SLV_ENV	Combination	Min	-526.0	-117.5	-20.6	-0.2	-2.2	1936.7
1248	759.4	C_SLV_ENV	Combination	Min	-526.0	-115.9	-20.6	-0.2	-9.1	1937.7
1248	1139.0	C_SLV_ENV	Combination	Min	-526.0	-114.3	-20.6	-0.2	-16.6	1936.2
1249	0.0	C_SLV_ENV	Combination	Max	434.5	101.8	19.5	-0.1	16.2	2825.3
1249	379.7	C_SLV_ENV	Combination	Max	434.5	103.4	19.5	-0.1	8.9	2822.6
1249	759.4	C_SLV_ENV	Combination	Max	434.5	104.9	19.5	-0.1	1.9	2820.7
1249	1139.0	C_SLV_ENV	Combination	Max	434.5	106.5	19.5	-0.1	5.6	2819.2
1249	0.0	C_SLV_ENV	Combination	Min	-460.1	-73.1	-19.1	-0.2	-16.3	1946.1
1249	379.7	C_SLV_ENV	Combination	Min	-460.1	-71.6	-19.1	-0.2	-9.1	1937.3
1249	759.4	C_SLV_ENV	Combination	Min	-460.1	-70.0	-19.1	-0.2	-2.2	1926.5
1249	1139.0	C_SLV_ENV	Combination	Min	-460.1	-68.4	-19.1	-0.2	-6.1	1914.2
1250	0.0	C_SLV_ENV	Combination	Max	378.7	125.7	57.1	-0.1	35.6	2809.7
1250	359.2	C_SLV_ENV	Combination	Max	378.7	127.2	57.1	-0.1	15.1	2793.8
1250	718.4	C_SLV_ENV	Combination	Max	378.7	128.7	57.1	-0.1	5.0	2778.0
1250	1077.6	C_SLV_ENV	Combination	Max	378.7	130.2	57.1	-0.1	25.0	2766.1

1250	0.0	C_SLV_ENV	Combination	Min	-408.4	-29.2	-55.6	-0.2	-35.0	1926.8
1250	359.2	C_SLV_ENV	Combination	Min	-408.4	-27.7	-55.6	-0.2	-15.0	1907.5
1250	718.4	C_SLV_ENV	Combination	Min	-408.4	-26.2	-55.6	-0.2	-5.5	1887.0
1250	1077.6	C_SLV_ENV	Combination	Min	-408.4	-24.7	-55.6	-0.2	-26.0	1861.6
1251	0.0	C_SLV_ENV	Combination	Max	332.5	151.5	92.2	0.6	50.7	2751.3
1251	263.4	C_SLV_ENV	Combination	Max	332.5	152.6	92.2	0.6	26.5	2729.0
1251	0.0	C_SLV_ENV	Combination	Min	-364.5	14.5	-89.5	-0.9	-48.7	1877.3
1251	263.4	C_SLV_ENV	Combination	Min	-364.5	15.6	-89.5	-0.9	-25.2	1855.6
1252	0.0	C_SLV_ENV	Combination	Max	327.5	154.1	92.7	0.1	32.2	2727.9
1252	407.1	C_SLV_ENV	Combination	Max	327.5	155.8	92.7	0.1	4.3	2693.0
1252	814.3	C_SLV_ENV	Combination	Max	327.5	157.5	92.7	0.1	42.9	2660.4
1252	0.0	C_SLV_ENV	Combination	Min	-357.5	24.2	-95.1	-0.4	-34.5	1856.6
1252	407.1	C_SLV_ENV	Combination	Min	-357.5	25.9	-95.1	-0.4	-5.6	1818.3
1252	814.3	C_SLV_ENV	Combination	Min	-357.5	27.6	-95.1	-0.4	-43.3	1776.2
1253	0.0	C_SLV_ENV	Combination	Max	287.2	184.8	126.8	0.0	73.3	2634.2
1253	359.2	C_SLV_ENV	Combination	Max	287.2	186.3	126.8	0.0	27.8	2588.9
1253	718.4	C_SLV_ENV	Combination	Max	287.2	187.8	126.8	0.0	17.7	2544.8
1253	1077.6	C_SLV_ENV	Combination	Max	287.2	189.3	126.8	0.0	63.6	2500.7
1253	0.0	C_SLV_ENV	Combination	Min	-309.5	58.7	-127.8	-0.3	-74.2	1793.3
1253	359.2	C_SLV_ENV	Combination	Min	-309.5	60.2	-127.8	-0.3	-28.2	1750.5
1253	718.4	C_SLV_ENV	Combination	Min	-309.5	61.7	-127.8	-0.3	-17.8	1705.6
1253	1077.6	C_SLV_ENV	Combination	Min	-309.5	63.2	-127.8	-0.3	-63.3	1659.5
1254	0.0	C_SLV_ENV	Combination	Max	256.2	216.7	156.5	13.2	91.0	2477.0
1254	120.8	C_SLV_ENV	Combination	Max	256.2	217.2	156.5	13.2	72.1	2457.3
1254	0.0	C_SLV_ENV	Combination	Min	-273.2	92.1	-156.7	-13.4	-91.3	1676.4
1254	120.8	C_SLV_ENV	Combination	Min	-273.2	92.6	-156.7	-13.4	-72.4	1658.7
1255	0.0	C_SLV_ENV	Combination	Max	255.2	217.2	157.6	0.8	72.1	2452.2
1255	478.4	C_SLV_ENV	Combination	Max	255.2	218.9	157.6	0.8	3.1	2369.9
1255	956.8	C_SLV_ENV	Combination	Max	255.2	220.5	157.6	0.8	78.6	2290.9
1255	0.0	C_SLV_ENV	Combination	Min	-272.3	92.6	-157.8	-1.0	-72.4	1662.2

1255	478.4	C_SLV_ENV	Combination	Min	-272.3	94.3	-157.8	-1.0	-3.3	1595.5
1255	956.8	C_SLV_ENV	Combination	Min	-272.3	95.9	-157.8	-1.0	-78.7	1523.9
1256	0.0	C_SLV_ENV	Combination	Max	232.9	250.7	188.4	-0.1	104.1	2273.8
1256	359.2	C_SLV_ENV	Combination	Max	232.9	252.0	188.4	-0.1	36.4	2199.9
1256	718.4	C_SLV_ENV	Combination	Max	232.9	253.2	188.4	-0.1	31.0	2127.3
1256	1077.6	C_SLV_ENV	Combination	Max	232.9	254.5	188.4	-0.1	98.5	2054.7
1256	0.0	C_SLV_ENV	Combination	Min	-247.3	120.6	-188.0	-0.1	-104.0	1536.7
1256	359.2	C_SLV_ENV	Combination	Min	-247.3	121.8	-188.0	-0.1	-36.5	1476.7
1256	718.4	C_SLV_ENV	Combination	Min	-247.3	123.1	-188.0	-0.1	-31.3	1414.6
1256	1077.6	C_SLV_ENV	Combination	Min	-247.3	124.3	-188.0	-0.1	-98.9	1351.5
1257	0.0	C_SLV_ENV	Combination	Max	218.5	286.8	216.8	0.0	115.9	2036.8
1257	456.5	C_SLV_ENV	Combination	Max	218.5	288.4	216.8	0.0	16.9	1928.3
1257	912.9	C_SLV_ENV	Combination	Max	218.5	289.9	216.8	0.0	82.1	1819.7
1257	0.0	C_SLV_ENV	Combination	Min	-231.7	147.2	-215.9	-0.1	-115.0	1366.1
1257	456.5	C_SLV_ENV	Combination	Min	-231.7	148.7	-215.9	-0.1	-16.5	1275.8
1257	912.9	C_SLV_ENV	Combination	Min	-231.7	150.3	-215.9	-0.1	-82.0	1184.2
1258	0.0	C_SLV_ENV	Combination	Max	215.3	301.8	218.6	0.3	60.4	1817.8
1258	164.7	C_SLV_ENV	Combination	Max	215.3	302.4	218.6	0.3	96.5	1778.0
1258	0.0	C_SLV_ENV	Combination	Min	-229.1	144.3	-219.8	-0.5	-63.9	1185.8
1258	164.7	C_SLV_ENV	Combination	Min	-229.1	144.8	-219.8	-0.5	-99.8	1152.1
1259	0.0	C_SLV_ENV	Combination	Max	205.1	337.2	243.7	0.0	134.3	1758.3
1259	359.2	C_SLV_ENV	Combination	Max	205.1	338.4	243.7	0.0	46.7	1659.2
1259	718.4	C_SLV_ENV	Combination	Max	205.1	339.6	243.7	0.0	40.7	1575.7
1259	1077.6	C_SLV_ENV	Combination	Max	205.1	340.9	243.7	0.0	128.4	1499.3
1259	0.0	C_SLV_ENV	Combination	Min	-215.1	166.2	-244.2	-0.1	-134.7	1165.5
1259	359.2	C_SLV_ENV	Combination	Min	-215.1	167.4	-244.2	-0.1	-47.0	1083.3
1259	718.4	C_SLV_ENV	Combination	Min	-215.1	168.7	-244.2	-0.1	-40.8	984.7
1259	1077.6	C_SLV_ENV	Combination	Min	-215.1	169.9	-244.2	-0.1	-128.3	878.0
1260	0.0	C_SLV_ENV	Combination	Max	200.3	374.2	267.9	0.0	146.5	1461.9
1260	359.2	C_SLV_ENV	Combination	Max	200.3	375.5	267.9	0.0	50.3	1376.8

1260	718.4	C_SLV_ENV	Combination	Max	200.3	376.7	267.9	0.0	45.9	1291.7
1260	1077.6	C_SLV_ENV	Combination	Max	200.3	378.0	267.9	0.0	142.2	1206.6
1260	0.0	C_SLV_ENV	Combination	Min	-207.1	189.6	-268.0	-0.1	-146.6	909.2
1260	359.2	C_SLV_ENV	Combination	Min	-207.1	190.8	-268.0	-0.1	-50.3	791.3
1260	718.4	C_SLV_ENV	Combination	Min	-207.1	192.1	-268.0	-0.1	-45.9	672.6
1260	1077.6	C_SLV_ENV	Combination	Min	-207.1	193.3	-268.0	-0.1	-142.2	552.9
1261	0.0	C_SLV_ENV	Combination	Max	233.5	409.9	291.6	0.0	159.1	1169.2
1261	359.2	C_SLV_ENV	Combination	Max	233.5	411.2	291.6	0.0	54.3	1076.4
1261	718.4	C_SLV_ENV	Combination	Max	233.5	412.4	291.6	0.0	50.4	983.9
1261	1077.6	C_SLV_ENV	Combination	Max	233.5	413.7	291.6	0.0	155.1	891.9
1261	0.0	C_SLV_ENV	Combination	Min	-237.6	212.4	-291.6	-0.1	-159.1	584.4
1261	359.2	C_SLV_ENV	Combination	Min	-237.6	213.6	-291.6	-0.1	-54.3	453.2
1261	718.4	C_SLV_ENV	Combination	Min	-237.6	214.8	-291.6	-0.1	-50.4	320.8
1261	1077.6	C_SLV_ENV	Combination	Min	-237.6	216.1	-291.6	-0.1	-155.2	187.1
1262	0.0	C_SLV_ENV	Combination	Max	269.4	443.2	317.7	0.0	169.0	856.5
1262	359.2	C_SLV_ENV	Combination	Max	269.4	444.5	317.7	0.0	54.9	757.6
1262	718.4	C_SLV_ENV	Combination	Max	269.4	445.7	317.7	0.0	59.2	659.3
1262	1077.6	C_SLV_ENV	Combination	Max	269.4	447.0	317.7	0.0	173.2	561.4
1262	0.0	C_SLV_ENV	Combination	Min	-269.5	235.7	-317.5	-0.1	-168.9	215.6
1262	359.2	C_SLV_ENV	Combination	Min	-269.5	237.0	-317.5	-0.1	-54.9	70.2
1262	718.4	C_SLV_ENV	Combination	Min	-269.5	238.2	-317.5	-0.1	-59.2	-76.6
1262	1077.6	C_SLV_ENV	Combination	Min	-269.5	239.4	-317.5	-0.1	-173.3	-224.9
1263	0.0	C_SLV_ENV	Combination	Max	300.9	471.9	348.5	1.9	102.4	534.0
1263	484.9	C_SLV_ENV	Combination	Max	300.9	473.6	348.5	1.9	67.7	393.0
1263	0.0	C_SLV_ENV	Combination	Min	-295.4	261.3	-348.3	-1.9	-101.2	-205.7
1263	484.9	C_SLV_ENV	Combination	Min	-295.4	263.0	-348.3	-1.9	-66.6	-421.1

Reazioni vincolari e spostameni – FASE sismica

Per le reazioni vincolari dei dispositivi di vincolo e i relativi spostamenti/rotazioni, si rimanda al §5.7.

Sommario

Geometria

Elenco vincoli nodi

Simbologia
Vn =Numero del vincolo nodo
Comm. =Commento
Sx =Spostamento in dir. X (L=libero, B=bloccato, E=elastico)
Sy =Spostamento in dir. Y (L=libero, B=bloccato, E=elastico)
Sz =Spostamento in dir. Z (L=libero, B=bloccato, E=elastico)
Rx =Rotazione intorno all'asse X (L=libera, B=bloccata, E=elastica)
Ry =Rotazione intorno all'asse Y (L=libera, B=bloccata, E=elastica)
Rz =Rotazione intorno all'asse Z (L=libera, B=bloccata, E=elastica)
RL =Rotazione libera
Ly =Lunghezza (dir. Y locale)
Lz =Larghezza (dir. Z locale)
Kt =Coeff. di sottofondo su suolo elastico alla Winkler

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
1	Libero	L	L	L	L	L	L				

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
6	appoggio	B	B	B	L	L	B				

Elenco nodi

Simbologia
Nodo =Numero del nodo
X =Coordinata X del nodo
Y =Coordinata Y del nodo
Z =Coordinata Z del nodo
Imp. =Numero dell'impalcato
Vn =Numero del vincolo nodo

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-1698	5.76	13.80	0.15	0	1
-1695	6.84	13.80	0.16	0	1
-1692	7.93	13.80	0.16	0	1
-1689	9.02	13.80	0.16	0	1
-1686	9.60	13.43	0.16	0	1
-1683	9.15	12.32	0.16	0	1
-1680	8.72	11.22	0.15	0	1
-1677	8.28	10.13	0.15	0	1
-1674	7.83	9.02	0.15	0	1
-1671	7.38	7.91	0.15	0	1
-1668	6.94	6.81	0.15	0	1
-1665	6.50	5.72	0.15	0	1
-1662	6.06	4.62	0.15	0	1
-1659	5.63	3.54	0.15	0	1
-1656	5.17	2.40	0.15	0	1
-1653	4.73	1.30	0.15	0	1
-1650	3.63	1.30	0.15	0	1
-1647	2.55	1.30	0.14	0	1
-1644	1.46	1.30	0.14	0	1
-1641	0.13	0.33	-0.60	0	1
-1638	2.44	6.08	-0.60	0	1
-1635	9.60	13.43	3.24	0	1
-1628	9.44	13.02	3.62	0	1
-1625	9.44	13.02	2.48	0	1
-1618	9.28	12.63	2.86	0	1
-1611	9.11	12.21	3.24	0	1
-1608	8.98	11.87	3.62	0	1
-1605	8.98	11.87	2.48	0	1
-1602	8.84	11.54	2.86	0	1
-1599	8.71	11.20	3.24	0	1
-1596	8.57	10.87	3.62	0	1
-1593	8.57	10.87	2.48	0	1
-1590	8.44	10.53	2.86	0	1
-1587	8.29	10.17	3.24	0	1
-1584	8.16	9.83	3.62	0	1
-1581	8.16	9.83	2.48	0	1
-1574	7.98	9.40	2.86	0	1
-1567	7.82	9.00	3.24	0	1
-1560	7.68	8.64	3.62	0	1
-1557	7.68	8.64	2.48	0	1
-1550	7.48	8.16	2.86	0	1
-1547	7.34	7.81	3.24	0	1
-1544	7.20	7.46	3.62	0	1
-1541	7.20	7.46	2.48	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-1697	6.12	13.80	0.15	0	1
-1694	7.21	13.80	0.16	0	1
-1691	8.29	13.80	0.16	0	1
-1688	9.39	13.80	0.16	0	1
-1685	9.45	13.06	0.16	0	1
-1682	9.01	11.95	0.15	0	1
-1679	8.57	10.86	0.15	0	1
-1676	8.13	9.76	0.15	0	1
-1673	7.68	8.65	0.15	0	1
-1670	7.24	7.54	0.15	0	1
-1667	6.80	6.45	0.15	0	1
-1664	6.36	5.35	0.15	0	1
-1661	5.91	4.25	0.15	0	1
-1658	5.47	3.14	0.15	0	1
-1655	5.02	2.03	0.15	0	1
-1652	4.36	1.30	0.15	0	1
-1649	3.27	1.30	0.15	0	1
-1646	2.18	1.30	0.14	0	1
-1643	1.10	1.30	0.14	0	1
-1640	0.26	0.65	-0.60	0	1
-1637	6.11	11.96	-0.60	0	1
-1634	9.60	13.43	2.86	0	1
-1627	9.44	13.02	3.24	0	1
-1620	9.28	12.63	3.62	0	1
-1617	9.28	12.63	2.48	0	1
-1610	9.11	12.21	2.86	0	1
-1607	8.98	11.87	3.24	0	1
-1604	8.84	11.54	3.62	0	1
-1601	8.84	11.54	2.48	0	1
-1598	8.71	11.20	2.86	0	1
-1595	8.57	10.87	3.24	0	1
-1592	8.44	10.53	3.62	0	1
-1589	8.44	10.53	2.48	0	1
-1586	8.29	10.17	2.86	0	1
-1583	8.16	9.83	3.24	0	1
-1576	7.98	9.38	3.62	0	1
-1573	7.99	9.41	2.48	0	1
-1566	7.82	9.00	2.86	0	1
-1559	7.68	8.64	3.24	0	1
-1552	7.48	8.16	3.62	0	1
-1549	7.48	8.16	2.48	0	1
-1546	7.34	7.81	2.86	0	1
-1543	7.20	7.46	3.24	0	1
-1540	7.04	7.05	3.62	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-1696	6.48	13.80	0.16	0	1
-1693	7.57	13.80	0.16	0	1
-1690	8.66	13.80	0.16	0	1
-1687	9.75	13.80	0.16	0	1
-1684	9.30	12.69	0.16	0	1
-1681	8.86	11.59	0.15	0	1
-1678	8.42	10.50	0.15	0	1
-1675	7.98	9.39	0.15	0	1
-1672	7.53	8.27	0.15	0	1
-1669	7.09	7.18	0.15	0	1
-1666	6.65	6.08	0.15	0	1
-1663	6.21	4.99	0.15	0	1
-1660	5.77	3.88	0.15	0	1
-1657	5.30	2.71	0.15	0	1
-1654	4.88	1.67	0.15	0	1
-1651	4.00	1.30	0.15	0	1
-1648	2.91	1.30	0.15	0	1
-1645	1.82	1.30	0.14	0	1
-1642	0.74	1.30	0.14	0	1
-1639	0.39	0.97	-0.60	0	1
-1636	9.60	13.43	3.62	0	1
-1633	9.60	13.43	2.48	0	1
-1626	9.44	13.02	2.86	0	1
-1619	9.28	12.63	3.24	0	1
-1612	9.11	12.21	3.62	0	1
-1609	9.11	12.21	2.48	0	1
-1606	8.98	11.87	2.86	0	1
-1603	8.84	11.54	3.24	0	1
-1600	8.71	11.20	3.62	0	1
-1597	8.71	11.20	2.48	0	1
-1594	8.57	10.87	2.86	0	1
-1591	8.44	10.53	3.24	0	1
-1588	8.29	10.16	3.62	0	1
-1585	8.29	10.18	2.48	0	1
-1582	8.16	9.83	2.86	0	1
-1575	7.98	9.39	3.24	0	1
-1568	7.82	9.00	3.62	0	1
-1565	7.82	9.00	2.48	0	1
-1558	7.68	8.64	2.86	0	1
-1551	7.48	8.16	3.24	0	1
-1548	7.34	7.81	3.62	0	1
-1545	7.34	7.81	2.48	0	1
-1542	7.20	7.46	2.86	0	1
-1539	7.05	7.07	3.24	0	1

-1538	7.05	7.09	2.86	0	1	-1537	7.06	7.10	2.48	0	1	-1536	6.93	6.77	3.62	0	1
-1535	6.93	6.78	3.24	0	1	-1534	6.93	6.78	2.86	0	1	-1533	6.93	6.78	2.48	0	1
-1532	6.82	6.50	3.62	0	1	-1531	6.81	6.49	3.24	0	1	-1530	6.81	6.47	2.86	0	1
-1529	6.80	6.46	2.48	0	1	-1528	6.66	6.12	3.62	0	1	-1527	6.66	6.12	3.24	0	1
-1526	6.66	6.12	2.86	0	1	-1525	6.66	6.12	2.48	0	1	-1524	6.53	5.78	3.62	0	1
-1523	6.53	5.78	3.24	0	1	-1522	6.53	5.78	2.86	0	1	-1521	6.53	5.78	2.48	0	1
-1520	6.39	5.43	3.62	0	1	-1519	6.39	5.43	3.24	0	1	-1518	6.39	5.43	2.86	0	1
-1517	6.39	5.43	2.48	0	1	-1516	6.25	5.08	3.62	0	1	-1515	6.25	5.08	3.24	0	1
-1514	6.25	5.08	2.86	0	1	-1513	6.25	5.08	2.48	0	1	-1508	6.09	4.70	3.62	0	1
-1507	6.09	4.70	3.24	0	1	-1506	6.09	4.70	2.86	0	1	-1505	6.09	4.70	2.48	0	1
-1500	5.94	4.31	3.62	0	1	-1499	5.94	4.31	3.24	0	1	-1498	5.94	4.31	2.86	0	1
-1497	5.94	4.31	2.48	0	1	-1492	5.78	3.91	3.62	0	1	-1491	5.78	3.91	3.24	0	1
-1490	5.78	3.92	2.86	0	1	-1489	5.78	3.92	2.48	0	1	-1484	5.63	3.54	3.62	0	1
-1483	5.63	3.54	3.24	0	1	-1482	5.63	3.54	2.86	0	1	-1481	5.63	3.54	2.48	0	1
-1476	5.47	3.14	3.62	0	1	-1475	5.47	3.14	3.24	0	1	-1474	5.47	3.14	2.86	0	1
-1473	5.47	3.14	2.48	0	1	-1468	5.30	2.71	3.62	0	1	-1467	5.30	2.71	3.24	0	1
-1466	5.30	2.71	2.86	0	1	-1465	5.30	2.71	2.48	0	1	-1464	5.15	2.36	3.62	0	1
-1463	5.15	2.36	3.24	0	1	-1462	5.15	2.36	2.86	0	1	-1461	5.15	2.36	2.48	0	1
-1460	5.01	2.00	3.62	0	1	-1459	5.01	2.00	3.24	0	1	-1458	5.01	2.00	2.86	0	1
-1457	5.01	2.00	2.48	0	1	-1456	4.84	1.58	3.62	0	1	-1455	4.85	1.60	3.24	0	1
-1454	4.86	1.62	2.86	0	1	-1453	4.86	1.63	2.48	0	1	-1450	9.60	13.43	4.00	0	1
-1447	9.44	13.02	4.00	0	1	-1444	9.28	12.63	4.00	0	1	-1441	9.11	12.21	4.00	0	1
-1440	8.98	11.87	4.00	0	1	-1439	8.84	11.54	4.00	0	1	-1438	8.71	11.20	4.00	0	1
-1437	8.57	10.87	4.00	0	1	-1436	8.44	10.53	4.00	0	1	-1435	8.29	10.15	4.00	0	1
-1434	8.16	9.83	4.00	0	1	-1431	7.97	9.37	4.00	0	1	-1428	7.82	9.00	4.00	0	1
-1425	7.68	8.64	4.00	0	1	-1422	7.48	8.16	4.00	0	1	-1421	7.34	7.81	4.00	0	1
-1420	7.20	7.46	4.00	0	1	-1419	7.03	7.03	4.00	0	1	-1418	6.93	6.77	4.00	0	1
-1417	6.82	6.51	4.00	0	1	-1416	6.66	6.12	4.00	0	1	-1415	6.53	5.78	4.00	0	1
-1414	6.39	5.43	4.00	0	1	-1413	6.25	5.08	4.00	0	1	-1410	6.09	4.70	4.00	0	1
-1407	5.94	4.31	4.00	0	1	-1404	5.78	3.90	4.00	0	1	-1401	5.63	3.54	4.00	0	1
-1398	5.47	3.14	4.00	0	1	-1395	5.30	2.71	4.00	0	1	-1394	5.15	2.36	4.00	0	1
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-1381	9.54	15.10	-0.60	0	1	-1380	9.90	15.10	-0.60	0	1	-1379	6.12	13.80	3.60	0	1
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-1067	4.65	11.59	-0.60	0	1
-1064	5.10	12.70	-0.60	0	1
-1061	5.57	7.92	-0.60	0	1
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-1055	5.71	8.29	-0.60	0	1
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-1015	5.15	10.49	-0.60	0	1
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-1003	5.45	11.23	-0.60	0	1
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-993	6.47	11.96	-0.60	0	1
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-983	7.48	12.70	-0.60	0	1
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-974	6.55	13.06	-0.60	0	1
-971	7.78	13.43	-0.60	0	1
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-965	7.93	13.80	-0.60	0	1
-962	6.84	13.80	-0.60	0	1
-959	5.93	7.92	-0.60	0	1
-956	3.55	8.29	-0.60	0	1

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-1186	6.15	14.78	-0.60	0	1
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-1132	8.51	13.43	-0.60	0	1
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-1102	4.96	4.61	-0.60	0	1
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-1093	5.41	5.71	-0.60	0	1
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-1087	5.70	6.45	-0.60	0	1
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-1119	4.95	2.77	-0.60	0	1
-1116	5.10	3.14	-0.60	0	1
-1113	5.25	3.51	-0.60	0	1
-1110	5.40	3.87	-0.60	0	1
-1107	5.55	4.24	-0.60	0	1
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-1016	5.52	10.49	-0.60	0	1
-1013	6.75	10.86	-0.60	0	1
-1010	5.66	10.86	-0.60	0	1
-1007	6.89	11.23	-0.60	0	1
-1004	5.81	11.23	-0.60	0	1
-1001	7.04	11.59	-0.60	0	1
-998	5.96	11.59	-0.60	0	1
-994	6.83	11.96	-0.60	0	1
-990	5.38	11.96	-0.60	0	1
-987	6.61	12.33	-0.60	0	1
-984	5.53	12.33	-0.60	0	1
-981	6.76	12.70	-0.60	0	1
-978	5.68	12.70	-0.60	0	1
-975	6.91	13.06	-0.60	0	1
-972	5.83	13.06	-0.60	0	1
-969	7.06	13.43	-0.60	0	1
-966	5.97	13.43	-0.60	0	1
-963	7.21	13.80	-0.60	0	1
-960	6.12	13.80	-0.60	0	1
-957	6.08	8.29	-0.60	0	1
-954	3.69	8.65	-0.60	0	1

-953	6.37	9.02	-0.60	0	6	-952	3.84	9.02	-0.60	0	1	-951	6.52	9.39	-0.60	0	1
-950	3.99	9.39	-0.60	0	1	-949	6.67	9.76	-0.60	0	1	-948	4.14	9.76	-0.60	0	1
-947	6.81	10.12	-0.60	0	1	-946	4.28	10.12	-0.60	0	1	-945	6.96	10.49	-0.60	0	1
-944	4.43	10.49	-0.60	0	1	-943	7.11	10.86	-0.60	0	1	-942	4.58	10.86	-0.60	0	1
-941	7.26	11.23	-0.60	0	1	-940	4.73	11.23	-0.60	0	1	-939	7.40	11.59	-0.60	0	6
-938	4.87	11.59	-0.60	0	1	-937	7.55	11.96	-0.60	0	1	-936	5.02	11.96	-0.60	0	1
-935	7.70	12.33	-0.60	0	1	-934	5.17	12.33	-0.60	0	1	-933	7.85	12.70	-0.60	0	1
-932	5.32	12.70	-0.60	0	1	-931	7.99	13.06	-0.60	0	1	-930	5.46	13.06	-0.60	0	1
-929	8.14	13.43	-0.60	0	1	-928	5.61	13.43	-0.60	0	1	-927	0.67	1.67	-0.60	0	1
-926	0.82	2.04	-0.60	0	1	-925	0.96	2.40	-0.60	0	1	-924	1.11	2.77	-0.60	0	1
-923	1.26	3.14	-0.60	0	1	-922	1.41	3.51	-0.60	0	1	-921	1.55	3.87	-0.60	0	1
-920	1.70	4.24	-0.60	0	1	-919	1.85	4.61	-0.60	0	1	-918	2.00	4.98	-0.60	0	1
-917	2.14	5.34	-0.60	0	1	-916	2.29	5.71	-0.60	0	1	-914	2.59	6.45	-0.60	0	1
-913	2.73	6.81	-0.60	0	1	-912	2.88	7.18	-0.60	0	1	-911	3.05	1.67	-0.60	0	1
-910	2.69	1.67	-0.60	0	1	-909	2.33	1.67	-0.60	0	1	-908	1.97	1.67	-0.60	0	1
-907	1.61	1.67	-0.60	0	1	-906	1.25	1.67	-0.60	0	1	-905	3.20	2.04	-0.60	0	1
-904	2.84	2.04	-0.60	0	1	-903	2.48	2.04	-0.60	0	1	-902	2.12	2.04	-0.60	0	1
-901	1.76	2.04	-0.60	0	1	-900	1.40	2.04	-0.60	0	1	-899	3.35	2.40	-0.60	0	1
-898	2.99	2.40	-0.60	0	1	-897	2.63	2.40	-0.60	0	1	-896	2.27	2.40	-0.60	0	1
-895	1.90	2.40	-0.60	0	1	-894	1.54	2.40	-0.60	0	1	-893	3.50	2.77	-0.60	0	1
-892	3.14	2.77	-0.60	0	1	-891	2.77	2.77	-0.60	0	1	-890	2.41	2.77	-0.60	0	1
-889	2.05	2.77	-0.60	0	1	-888	1.69	2.77	-0.60	0	1	-887	3.64	3.14	-0.60	0	1
-886	3.28	3.14	-0.60	0	1	-885	2.92	3.14	-0.60	0	1	-884	2.56	3.14	-0.60	0	1
-883	2.20	3.14	-0.60	0	1	-882	1.84	3.14	-0.60	0	1	-881	3.79	3.51	-0.60	0	1
-880	3.43	3.51	-0.60	0	1	-879	3.07	3.51	-0.60	0	1	-878	2.71	3.51	-0.60	0	1
-876	1.99	3.51	-0.60	0	1	-875	3.94	3.87	-0.60	0	1	-874	3.58	3.87	-0.60	0	1
-873	3.22	3.87	-0.60	0	1	-872	2.86	3.87	-0.60	0	1	-871	2.50	3.87	-0.60	0	1
-870	2.13	3.87	-0.60	0	1	-869	4.09	4.24	-0.60	0	1	-868	3.73	4.24	-0.60	0	1
-867	3.37	4.24	-0.60	0	1	-866	3.00	4.24	-0.60	0	1	-865	2.64	4.24	-0.60	0	1
-864	2.28	4.24	-0.60	0	1	-863	4.24	4.61	-0.60	0	1	-862	3.87	4.61	-0.60	0	1
-861	3.51	4.61	-0.60	0	1	-860	3.15	4.61	-0.60	0	1	-859	2.79	4.61	-0.60	0	1
-858	2.43	4.61	-0.60	0	1	-857	4.38	4.98	-0.60	0	1	-856	4.02	4.98	-0.60	0	1
-855	3.66	4.98	-0.60	0	1	-854	3.30	4.98	-0.60	0	1	-853	2.94	4.98	-0.60	0	1
-852	2.58	4.98	-0.60	0	1	-851	4.53	5.34	-0.60	0	1	-850	4.17	5.34	-0.60	0	1
-849	3.81	5.34	-0.60	0	1	-848	3.45	5.34	-0.60	0	1	-847	3.09	5.34	-0.60	0	1
-846	2.73	5.34	-0.60	0	1	-845	4.68	5.71	-0.60	0	1	-844	4.32	5.71	-0.60	0	1
-843	3.96	5.71	-0.60	0	1	-842	3.60	5.71	-0.60	0	1	-841	3.23	5.71	-0.60	0	1
-840	2.87	5.71	-0.60	0	1	-839	4.83	6.08	-0.60	0	1	-838	4.47	6.08	-0.60	0	1
-837	4.10	6.08	-0.60	0	1	-836	3.74	6.08	-0.60	0	1	-834	3.02	6.08	-0.60	0	1
-833	4.98	6.45	-0.60	0	1	-832	4.61	6.45	-0.60	0	1	-831	4.25	6.45	-0.60	0	1
-830	3.89	6.45	-0.60	0	1	-829	3.53	6.45	-0.60	0	1	-828	3.17	6.45	-0.60	0	1
-827	5.12	6.81	-0.60	0	1	-826	4.76	6.81	-0.60	0	1	-825	4.40	6.81	-0.60	0	1
-824	4.04	6.81	-0.60	0	1	-823	3.68	6.81	-0.60	0	1	-822	3.32	6.81	-0.60	0	1
-821	5.27	7.18	-0.60	0	1	-820	4.91	7.18	-0.60	0	1	-819	4.55	7.18	-0.60	0	1
-818	4.19	7.18	-0.60	0	1	-817	3.83	7.18	-0.60	0	1	-816	3.46	7.18	-0.60	0	1
-815	5.42	7.55	-0.60	0	1	-814	5.06	7.55	-0.60	0	1	-813	4.70	7.55	-0.60	0	1
-812	4.33	7.55	-0.60	0	1	-811	3.97	7.55	-0.60	0	1	-810	3.61	7.55	-0.60	0	1
-809	3.41	1.67	-0.60	0	1	-808	0.89	1.67	-0.60	0	1	-807	3.56	2.04	-0.60	0	1
-806	1.04	2.04	-0.60	0	1	-805	3.71	2.40	-0.60	0	1	-804	1.18	2.40	-0.60	0	1
-803	3.86	2.77	-0.60	0	1	-802	1.33	2.77	-0.60	0	1	-801	4.01	3.14	-0.60	0	1
-800	1.48	3.14	-0.60	0	1	-799	4.15	3.51	-0.60	0	6	-798	1.63	3.51	-0.60	0	1
-797	4.30	3.87	-0.60	0	1	-796	1.77	3.87	-0.60	0	1	-795	4.45	4.24	-0.60	0	1
-794	1.92	4.24	-0.60	0	1	-793	4.60	4.61	-0.60	0	1	-792	2.07	4.61	-0.60	0	1
-791	4.74	4.98	-0.60	0	1	-790	2.22	4.98	-0.60	0	1	-789	4.89	5.34	-0.60	0	1
-788	2.36	5.34	-0.60	0	1	-787	5.04	5.71	-0.60	0	1	-786	2.51	5.71	-0.60	0	1
-785	5.19	6.08	-0.60	0	6	-784	2.66	6.08	-0.60	0	1	-783	5.34	6.45	-0.60	0	1
-782	2.81	6.45	-0.60	0	1	-781	5.48	6.81	-0.60	0	1	-780	2.95	6.81	-0.60	0	1
-779	5.63	7.18	-0.60	0	1	-778	3.10	7.18	-0.60	0	1	-776	9.60	13.43	1.68	0	1
-774	9.60	13.43	1.26	0	1	-772	9.60	13.43	0.84	0	1	-770	9.60	13.43	0.42	0	1
-767	9.44	13.03	1.68	0	1	-765	9.44	13.04	1.26	0	1	-763	9.45	13.05	0.84	0	1
-761	9.45	13.06	0.42	0	1	-758	9.28	12.64	1.68	0	1	-756	9.29	12.66	1.26	0	1
-754	9.30	12.67	0.84	0	1	-752	9.30	12.68	0.42	0	1	-749	9.12	12.23	1.68	0	1
-747	9.13	12.26	1.26	0	1	-745	9.14	12.28	0.84	0	1	-743	9.15	12.31	0.42	0	1
-740	8.98	11.89	1.68	0	1	-738	8.99	11.91	1.26	0	1	-736	9.00	11.93	0.84	0	1
-734	9.00	11.94	0.42	0	1	-731	8.85	11.55	1.68	0	1	-729	8.85	11.56	1.26	0	1
-727	8.86	11.57	0.84	0	1	-725	8.86	11.58	0.42	0	1	-722	8.71	11.21	1.68	0	1
-720	8.71	11.21	1.26	0	1	-718	8.71	11.22	0.84	0	1	-716	8.71	11.22	0.42	0	1
-713	8.57	10.87	1.68	0	1	-711	8.57	10.86	1.26	0	1	-709	8.57	10.86	0.84	0	1
-707	8.57	10.86	0.42	0	1	-704	8.43	10.52	1.68	0	1	-702	8.43	10.52	1.26	0	1
-700	8.43	10.51	0.84	0	1	-698	8.42	10.50	0.42	0	1	-695	8.29	10.17	1.68	0	1
-693	8.29	10.16	1.26	0	1	-691	8.28	10.15	0.84	0	1	-689	8.28	10.14	0.42	0	1
-686	8.15	9.82	1.68	0	1	-684	8.14	9.80	1.26	0	1	-682	8.14	9.79	0.84	0	1
-680	8.13	9.77	0.42	0	1	-677	7.99	9.41	1.68	0	1	-675	7.98	9.40	1.26	0	1
-673	7.98	9.40	0.84	0	1	-671	7.98	9.39	0.42	0	1	-668	7.82	9.00	1.68	0	1
-666	7.82	9.01	1.26	0	1	-664	7.83	9.01	0.84	0	1	-662	7.83	9.02	0.42	0	1
-659	7.68	8.64	1.68	0	1	-657	7.68	8.64	1.26	0	1	-655	7.68	8.64	0.84	0	1
-653	7.68	8.64	0.42	0	1	-650	7.49	8.18	1.68	0	1	-648	7.50	8.21	1.26	0	1
-646	7.52	8.23	0.84	0	1	-644	7.53	8.26	0.42	0	1	-641	7.35	7.83	1.68	0	1
-639	7.36	7.85	1.26	0	1	-637	7.37	7.87	0.84	0	1	-635	7.38	7.90	0.42	0	1

-632	7.21	7.48	1.68	0	1	-630	7.22	7.50	1.26	0	1	-628	7.23	7.51	0.84	0	1
-626	7.23	7.53	0.42	0	1	-623	7.07	7.14	1.68	0	1	-621	7.08	7.15	1.26	0	1
-619	7.08	7.16	0.84	0	1	-617	7.09	7.17	0.42	0	1	-614	6.94	6.79	1.68	0	1
-612	6.94	6.80	1.26	0	1	-610	6.94	6.80	0.84	0	1	-608	6.94	6.81	0.42	0	1
-605	6.80	6.45	1.68	0	1	-603	6.80	6.45	1.26	0	1	-601	6.80	6.45	0.84	0	1
-599	6.80	6.45	0.42	0	1	-596	6.66	6.11	1.68	0	1	-594	6.66	6.10	1.26	0	1
-592	6.66	6.09	0.84	0	1	-590	6.65	6.09	0.42	0	1	-587	6.52	5.77	1.68	0	1
-585	6.52	5.75	1.26	0	1	-583	6.51	5.74	0.84	0	1	-581	6.51	5.73	0.42	0	1
-578	6.38	5.41	1.68	0	1	-576	6.38	5.40	1.26	0	1	-574	6.37	5.38	0.84	0	1
-572	6.36	5.36	0.42	0	1	-569	6.24	5.06	1.68	0	1	-567	6.23	5.04	1.26	0	1
-565	6.22	5.02	0.84	0	1	-563	6.21	5.00	0.42	0	1	-560	6.09	4.68	1.68	0	1
-558	6.08	4.66	1.26	0	1	-556	6.07	4.64	0.84	0	1	-554	6.07	4.63	0.42	0	1
-551	5.93	4.30	1.68	0	1	-549	5.93	4.28	1.26	0	1	-547	5.92	4.27	0.84	0	1
-545	5.92	4.26	0.42	0	1	-542	5.78	3.91	1.68	0	1	-540	5.78	3.90	1.26	0	1
-538	5.77	3.89	0.84	0	1	-536	5.77	3.88	0.42	0	1	-533	5.63	3.54	1.68	0	1
-531	5.63	3.54	1.26	0	1	-529	5.63	3.54	0.84	0	1	-527	5.63	3.54	0.42	0	1
-524	5.47	3.14	1.68	0	1	-522	5.47	3.14	1.26	0	1	-520	5.47	3.14	0.84	0	1
-518	5.47	3.14	0.42	0	1	-515	5.30	2.71	1.68	0	1	-513	5.30	2.71	1.26	0	1
-511	5.30	2.71	0.84	0	1	-509	5.30	2.71	0.42	0	1	-506	5.16	2.37	1.68	0	1
-504	5.16	2.38	1.26	0	1	-502	5.17	2.38	0.84	0	1	-500	5.17	2.39	0.42	0	1
-497	5.02	2.01	1.68	0	1	-495	5.02	2.02	1.26	0	1	-493	5.02	2.02	0.84	0	1
-491	5.02	2.03	0.42	0	1	-488	4.87	1.66	1.68	0	1	-486	4.87	1.66	1.26	0	1
-484	4.88	1.66	0.84	0	1	-482	4.88	1.66	0.42	0	1	-478	9.75	13.80	1.68	0	1
-475	9.75	13.80	1.26	0	1	-472	9.75	13.80	0.84	0	1	-469	9.75	13.80	0.42	0	1
-466	9.60	13.43	2.10	0	1	-465	8.98	11.87	2.10	0	1	-464	8.84	11.54	2.10	0	1
-463	8.71	11.20	2.10	0	1	-462	8.57	10.87	2.10	0	1	-461	8.30	10.18	2.10	0	1
-460	7.99	9.41	2.10	0	1	-459	7.82	9.00	2.10	0	1	-458	7.68	8.64	2.10	0	1
-457	7.07	7.12	2.10	0	1	-456	6.93	6.79	2.10	0	1	-455	6.80	6.45	2.10	0	1
-454	6.66	6.12	2.10	0	1	-453	6.39	5.43	2.10	0	1	-452	6.09	4.70	2.10	0	1
-451	5.94	4.31	2.10	0	1	-450	5.78	3.93	2.10	0	1	-449	5.47	3.14	2.10	0	1
-448	5.15	2.36	2.10	0	1	-447	5.01	2.00	2.10	0	1	-446	4.87	1.65	2.10	0	1
-445	1.10	1.30	3.60	0	1	-444	1.10	1.30	3.20	0	1	-443	1.10	1.30	2.81	0	1
-442	1.10	1.30	2.41	0	1	-441	1.47	1.30	3.60	0	1	-440	1.47	1.30	3.21	0	1
-439	1.47	1.30	2.81	0	1	-438	1.47	1.30	2.41	0	1	-437	1.83	1.30	3.61	0	1
-436	1.83	1.30	3.21	0	1	-435	1.83	1.30	2.82	0	1	-434	1.83	1.30	2.42	0	1
-433	2.19	1.30	3.61	0	1	-432	2.19	1.30	3.21	0	1	-431	2.19	1.30	2.82	0	1
-430	2.19	1.30	2.43	0	1	-429	2.55	1.30	3.61	0	1	-428	2.55	1.30	3.22	0	1
-427	2.55	1.30	2.83	0	1	-426	2.55	1.30	2.44	0	1	-425	2.92	1.30	3.61	0	1
-424	2.92	1.30	3.22	0	1	-423	2.92	1.30	2.83	0	1	-422	2.92	1.30	2.44	0	1
-421	3.28	1.30	3.61	0	1	-420	3.28	1.30	3.23	0	1	-419	3.28	1.30	2.84	0	1
-418	3.28	1.30	2.45	0	1	-417	3.64	1.30	3.61	0	1	-416	3.64	1.30	3.23	0	1
-415	3.64	1.30	2.84	0	1	-414	3.64	1.30	2.46	0	1	-413	4.00	1.30	3.62	0	1
-412	4.00	1.30	3.23	0	1	-411	4.00	1.30	2.85	0	1	-410	4.00	1.30	2.47	0	1
-409	4.37	1.30	3.62	0	1	-408	4.37	1.30	3.24	0	1	-407	4.37	1.30	2.85	0	1
-406	4.37	1.30	2.47	0	1	-405	4.73	1.30	3.62	0	1	-404	0.74	1.30	3.60	0	1
-403	4.73	1.30	3.24	0	1	-402	0.74	1.30	3.20	0	1	-401	4.73	1.30	2.86	0	1
-400	0.74	1.30	2.80	0	1	-399	4.73	1.30	2.48	0	1	-398	0.74	1.30	2.40	0	1
-397	1.10	1.30	4.00	0	1	-396	1.47	1.30	4.00	0	1	-395	1.83	1.30	4.00	0	1
-394	2.19	1.30	4.00	0	1	-393	2.55	1.30	4.00	0	1	-392	2.92	1.30	4.00	0	1
-391	3.28	1.30	4.00	0	1	-390	3.64	1.30	4.00	0	1	-389	4.00	1.30	4.00	0	1
-388	4.37	1.30	4.00	0	1	-387	1.10	1.30	1.61	0	1	-386	1.10	1.30	1.21	0	1
-385	1.10	1.30	0.80	0	1	-384	1.10	1.30	0.40	0	1	-383	1.46	1.30	1.61	0	1
-382	1.46	1.30	1.21	0	1	-381	1.46	1.30	0.81	0	1	-380	1.46	1.30	0.40	0	1
-379	1.83	1.30	1.62	0	1	-378	1.83	1.30	1.22	0	1	-377	1.82	1.30	0.81	0	1
-376	1.82	1.30	0.41	0	1	-375	2.19	1.30	1.63	0	1	-374	2.19	1.30	1.22	0	1
-373	2.19	1.30	0.81	0	1	-372	2.18	1.30	0.41	0	1	-371	2.55	1.30	1.64	0	1
-370	2.55	1.30	1.23	0	1	-369	2.55	1.30	0.82	0	1	-368	2.55	1.30	0.41	0	1
-367	2.91	1.30	1.64	0	1	-366	2.91	1.30	1.23	0	1	-365	2.91	1.30	0.82	0	1
-364	2.91	1.30	0.41	0	1	-363	3.28	1.30	1.65	0	1	-362	3.27	1.30	1.24	0	1
-361	3.27	1.30	0.83	0	1	-360	3.27	1.30	0.41	0	1	-359	3.64	1.30	1.66	0	1
-358	3.64	1.30	1.24	0	1	-357	3.64	1.30	0.83	0	1	-356	3.63	1.30	0.41	0	1
-355	4.00	1.30	1.67	0	1	-354	4.00	1.30	1.25	0	1	-353	4.00	1.30	0.83	0	1
-352	4.00	1.30	0.42	0	1	-351	4.37	1.30	1.67	0	1	-350	4.37	1.30	1.25	0	1
-349	4.37	1.30	0.84	0	1	-348	4.36	1.30	0.42	0	1	-347	4.73	1.30	1.68	0	1
-346	0.74	1.30	1.60	0	1	-345	4.73	1.30	1.26	0	1	-344	0.74	1.30	1.20	0	1
-343	4.73	1.30	0.84	0	1	-342	0.74	1.30	0.80	0	1	-341	4.73	1.30	0.42	0	1
-340	0.74	1.30	0.40	0	1	-339	1.10	1.30	2.01	0	1	-338	1.47	1.30	2.02	0	1
-337	1.83	1.30	2.03	0	1	-336	2.19	1.30	2.04	0	1	-335	2.55	1.30	2.05	0	1
-334	2.92	1.30	2.05	0	1	-333	3.28	1.30	2.06	0	1	-332	3.64	1.30	2.07	0	1
-331	4.00	1.30	2.08	0	1	-330	4.37	1.30	2.09	0	1	-329	2.78	0.97	-0.60	0	1
-328	2.65	0.65	-0.60	0	1	-327	2.52	0.33	-0.60	0	1	-326	2.41	0.97	-0.60	0	1
-325	2.29	0.65	-0.60	0	1	-324	2.16	0.33	-0.60	0	1	-323	2.05	0.97	-0.60	0	1
-322	1.92	0.65	-0.60	0	1	-321	1.80	0.33	-0.60	0	1	-320	1.69	0.97	-0.60	0	1
-319	1.56	0.65	-0.60	0	1	-318	1.43	0.33	-0.60	0	1	-317	1.33	0.97	-0.60	0	1
-315	1.07	0.33	-0.60	0	1	-314	0.97	0.97	-0.60	0	1	-313	0.84	0.65	-0.60	0	1
-312	0.71	0.33	-0.60	0	1	-311	0.61	0.97	-0.60	0	1	-310	0.48	0.65	-0.60	0	1
-309	0.35	0.33	-0.60	0	1	-308	2.91	1.30	-0.60	0	1	-307	2.39	0.00	-0.60	0	1
-306	2.54	1.30	-0.60	0	1	-305	2.03	0.00	-0.60	0	1	-304	2.18	1.30	-0.60	0	1
-303	1.67	0.00	-0.60	0	1	-302	1.82	1.30	-0.60	0	1	-301	1.30	0.00	-0.60	0	1

-300	1.46	1.30	-0.60	0	1	-299	0.94	0.00	-0.60	0	1	-298	1.10	1.30	-0.60	0	1
-297	0.58	0.00	-0.60	0	1	-296	4.23	0.97	-0.60	0	1	-295	4.10	0.65	-0.60	0	1
-294	3.97	0.33	-0.60	0	1	-293	3.87	0.97	-0.60	0	1	-292	3.74	0.65	-0.60	0	1
-291	3.61	0.33	-0.60	0	1	-290	3.50	0.97	-0.60	0	1	-289	3.37	0.65	-0.60	0	1
-288	3.24	0.33	-0.60	0	1	-287	3.14	0.97	-0.60	0	1	-286	3.01	0.65	-0.60	0	6
-285	2.88	0.33	-0.60	0	1	-284	4.36	1.30	-0.60	0	1	-283	3.85	0.00	-0.60	0	1
-282	4.00	1.30	-0.60	0	1	-281	3.48	0.00	-0.60	0	1	-280	3.63	1.30	-0.60	0	1
-279	3.12	0.00	-0.60	0	1	-278	6.19	0.97	-0.60	0	1	-277	6.06	0.65	-0.60	0	1
-276	5.93	0.33	-0.60	0	1	-275	5.79	0.97	-0.60	0	1	-274	5.66	0.65	-0.60	0	1
-273	5.53	0.33	-0.60	0	1	-272	5.40	0.97	-0.60	0	1	-271	5.27	0.65	-0.60	0	1
-270	5.14	0.33	-0.60	0	1	-269	5.00	0.97	-0.60	0	1	-267	4.74	0.33	-0.60	0	1
-266	4.60	0.97	-0.60	0	1	-265	6.59	0.97	-0.60	0	1	-264	4.47	0.65	-0.60	0	1
-263	6.46	0.65	-0.60	0	1	-262	4.34	0.33	-0.60	0	1	-261	6.33	0.33	-0.60	0	1
-260	5.80	0.00	-0.60	0	1	-259	5.40	0.00	-0.60	0	1	-258	5.01	0.00	-0.60	0	1
-257	4.61	0.00	-0.60	0	1	-256	10.54	14.78	-0.60	0	1	-255	10.94	14.78	-0.60	0	1
-254	11.33	14.78	-0.60	0	1	-253	11.73	14.78	-0.60	0	1	-251	10.81	14.45	-0.60	0	1
-250	11.20	14.45	-0.60	0	1	-249	11.60	14.45	-0.60	0	1	-248	10.28	14.13	-0.60	0	1
-247	10.68	14.13	-0.60	0	1	-246	11.07	14.13	-0.60	0	1	-245	11.47	14.13	-0.60	0	1
-244	10.67	15.10	-0.60	0	1	-243	11.07	15.10	-0.60	0	1	-242	11.46	15.10	-0.60	0	1
-241	11.86	15.10	-0.60	0	1	-240	10.14	14.78	-0.60	0	1	-239	12.13	14.78	-0.60	0	1
-238	10.01	14.45	-0.60	0	1	-237	12.00	14.45	-0.60	0	1	-236	9.88	14.13	-0.60	0	1
-235	11.87	14.13	-0.60	0	1	-234	10.00	13.43	-0.60	0	1	-233	10.40	13.43	-0.60	0	1
-232	10.80	13.43	-0.60	0	1	-231	11.19	13.43	-0.60	0	1	-230	9.85	13.06	-0.60	0	1
-229	10.25	13.06	-0.60	0	1	-228	10.65	13.06	-0.60	0	1	-227	11.05	13.06	-0.60	0	1
-226	9.71	12.70	-0.60	0	1	-225	10.10	12.70	-0.60	0	1	-224	10.50	12.70	-0.60	0	1
-223	10.90	12.70	-0.60	0	1	-222	9.56	12.33	-0.60	0	1	-221	9.96	12.33	-0.60	0	1
-220	10.35	12.33	-0.60	0	1	-219	10.75	12.33	-0.60	0	1	-218	9.41	11.96	-0.60	0	1
-217	9.81	11.96	-0.60	0	1	-216	10.21	11.96	-0.60	0	1	-215	10.60	11.96	-0.60	0	1
-213	9.66	11.59	-0.60	0	1	-212	10.06	11.59	-0.60	0	1	-211	10.46	11.59	-0.60	0	1
-210	9.11	11.23	-0.60	0	1	-209	9.51	11.23	-0.60	0	1	-208	9.91	11.23	-0.60	0	1
-207	10.31	11.23	-0.60	0	1	-206	8.97	10.86	-0.60	0	1	-205	9.36	10.86	-0.60	0	1
-204	9.76	10.86	-0.60	0	1	-203	10.16	10.86	-0.60	0	1	-202	8.82	10.49	-0.60	0	1
-201	9.22	10.49	-0.60	0	1	-200	9.62	10.49	-0.60	0	1	-199	10.01	10.49	-0.60	0	1
-198	8.67	10.12	-0.60	0	1	-197	9.07	10.12	-0.60	0	1	-196	9.47	10.12	-0.60	0	1
-195	9.87	10.12	-0.60	0	1	-194	8.52	9.76	-0.60	0	1	-193	8.92	9.76	-0.60	0	1
-192	9.32	9.76	-0.60	0	1	-191	9.72	9.76	-0.60	0	1	-190	8.38	9.39	-0.60	0	1
-189	8.77	9.39	-0.60	0	1	-188	9.17	9.39	-0.60	0	1	-187	9.57	9.39	-0.60	0	1
-185	8.63	9.02	-0.60	0	1	-184	9.02	9.02	-0.60	0	1	-183	9.42	9.02	-0.60	0	1
-182	8.08	8.65	-0.60	0	1	-181	8.48	8.65	-0.60	0	1	-180	8.88	8.65	-0.60	0	1
-179	9.27	8.65	-0.60	0	1	-178	7.93	8.29	-0.60	0	1	-177	8.33	8.29	-0.60	0	1
-176	8.73	8.29	-0.60	0	1	-175	9.13	8.29	-0.60	0	1	-174	7.79	7.92	-0.60	0	1
-173	8.18	7.92	-0.60	0	1	-172	8.58	7.92	-0.60	0	1	-171	8.98	7.92	-0.60	0	1
-170	10.15	13.80	-0.60	0	1	-169	10.55	13.80	-0.60	0	1	-168	10.94	13.80	-0.60	0	1
-167	11.34	13.80	-0.60	0	1	-166	9.60	13.43	-0.60	0	1	-165	11.59	13.43	-0.60	0	1
-164	9.45	13.06	-0.60	0	1	-163	11.44	13.06	-0.60	0	1	-162	9.31	12.70	-0.60	0	1
-161	11.30	12.70	-0.60	0	1	-160	9.16	12.33	-0.60	0	1	-159	11.15	12.33	-0.60	0	1
-158	9.01	11.96	-0.60	0	1	-157	11.00	11.96	-0.60	0	1	-156	8.86	11.59	-0.60	0	1
-155	10.85	11.59	-0.60	0	1	-154	8.72	11.23	-0.60	0	1	-153	10.71	11.23	-0.60	0	1
-152	8.57	10.86	-0.60	0	1	-151	10.56	10.86	-0.60	0	1	-150	8.42	10.49	-0.60	0	1
-149	10.41	10.49	-0.60	0	1	-148	8.27	10.12	-0.60	0	1	-147	10.26	10.12	-0.60	0	1
-146	8.13	9.76	-0.60	0	1	-145	10.12	9.76	-0.60	0	1	-144	7.98	9.39	-0.60	0	1
-143	9.97	9.39	-0.60	0	1	-142	7.83	9.02	-0.60	0	1	-141	9.82	9.02	-0.60	0	1
-140	7.68	8.65	-0.60	0	1	-139	9.67	8.65	-0.60	0	1	-138	7.54	8.29	-0.60	0	1
-137	9.53	8.29	-0.60	0	1	-136	7.39	7.92	-0.60	0	1	-135	9.38	7.92	-0.60	0	1
-134	7.49	7.18	-0.60	0	1	-133	7.89	7.18	-0.60	0	1	-132	8.29	7.18	-0.60	0	1
-131	8.68	7.18	-0.60	0	1	-130	7.34	6.81	-0.60	0	1	-129	7.74	6.81	-0.60	0	1
-128	8.14	6.81	-0.60	0	1	-127	8.54	6.81	-0.60	0	1	-126	7.20	6.45	-0.60	0	1
-125	7.59	6.45	-0.60	0	1	-124	7.99	6.45	-0.60	0	1	-123	8.39	6.45	-0.60	0	1
-121	7.45	6.08	-0.60	0	1	-120	7.84	6.08	-0.60	0	1	-119	8.24	6.08	-0.60	0	1
-118	6.90	5.71	-0.60	0	1	-117	7.30	5.71	-0.60	0	1	-116	7.70	5.71	-0.60	0	1
-115	8.09	5.71	-0.60	0	1	-114	6.75	5.34	-0.60	0	1	-113	7.15	5.34	-0.60	0	1
-112	7.55	5.34	-0.60	0	1	-111	7.95	5.34	-0.60	0	1	-110	6.60	4.98	-0.60	0	1
-109	7.00	4.98	-0.60	0	1	-108	7.40	4.98	-0.60	0	1	-107	7.80	4.98	-0.60	0	1
-106	6.46	4.61	-0.60	0	1	-105	6.85	4.61	-0.60	0	1	-104	7.25	4.61	-0.60	0	1
-103	7.65	4.61	-0.60	0	1	-102	6.31	4.24	-0.60	0	1	-101	6.71	4.24	-0.60	0	1
-100	7.11	4.24	-0.60	0	1	-99	7.50	4.24	-0.60	0	1	-98	6.16	3.87	-0.60	0	1
-97	6.56	3.87	-0.60	0	1	-96	6.96	3.87	-0.60	0	1	-95	7.36	3.87	-0.60	0	1
-93	6.41	3.51	-0.60	0	1	-92	6.81	3.51	-0.60	0	1	-91	7.21	3.51	-0.60	0	1
-90	5.87	3.14	-0.60	0	1	-89	6.26	3.14	-0.60	0	1	-88	6.66	3.14	-0.60	0	1
-87	7.06	3.14	-0.60	0	1	-86	5.72	2.77	-0.60	0	1	-85	6.12	2.77	-0.60	0	1
-84	6.51	2.77	-0.60	0	1	-83	6.91	2.77	-0.60	0	1	-82	5.57	2.40	-0.60	0	1
-81	5.97	2.40	-0.60	0	1	-80	6.37	2.40	-0.60	0	1	-79	6.76	2.40	-0.60	0	1
-78	5.42	2.04	-0.60	0	1	-77	5.82	2.04	-0.60	0	1	-76	6.22	2.04	-0.60	0	1
-75	6.62	2.04	-0.60	0	1	-74	5.28	1.67	-0.60	0	1	-73	5.67	1.67	-0.60	0	1
-72	6.07	1.67	-0.60	0	1	-71	6.47	1.67	-0.60	0	1	-70	5.13	1.30	-0.60	0	1
-69	7.64	7.55	-0.60	0	1	-68	5.53	1.30	-0.60	0	1	-67	8.04	7.55	-0.60	0	1
-66	5.92	1.30	-0.60	0	1	-65	8.43	7.55	-0.60	0	1	-64	6.32	1.30	-0.60	0	1
-63	8.83	7.55	-0.60	0	1	-62	7.09	7.18	-0.60	0	1	-61	9.08	7.18	-0.60	0	1
-60	6.94	6.81	-0.60	0	1	-59	8.93	6.81	-0.60	0	1	-58	6.80	6.45	-0.60	0	1

-57	8.79	6.45	-0.60	0	1
-54	6.50	5.71	-0.60	0	1
-51	8.34	5.34	-0.60	0	1
-48	6.06	4.61	-0.60	0	1
-45	7.90	4.24	-0.60	0	1
-42	5.63	3.54	-0.60	0	1
-39	7.46	3.14	-0.60	0	1
-36	5.17	2.40	-0.60	0	1
-33	7.02	2.04	-0.60	0	1
-30	7.24	7.55	-0.60	0	1
-24	5.76	13.80	2.00	0	1
-16	9.28	12.63	2.10	0	1
-13	8.32	7.42	2.10	0	1
-10	6.34	2.70	2.10	0	1
-7	7.20	7.46	2.10	0	1
-4	9.11	12.21	2.10	0	1
-1	7.48	8.16	2.10	0	1
3	5.76	13.80	-0.60	0	1
6	9.75	13.80	2.10	0	1
9	0.74	1.30	4.00	0	1
12	0.00	0.00	-0.60	0	1
20	0.22	0.00	-0.60	0	1
23	6.72	1.30	-0.60	0	1
26	10.27	15.10	-0.60	0	1
29	3.03	7.55	-0.60	0	1
32	9.23	7.55	-0.60	0	1
35	3.34	6.20	-0.60	0	6
38	10.38	14.30	-0.60	0	6
41	6.04	3.50	-0.60	0	6
44	2.27	3.50	-0.60	0	6

-56	6.65	6.08	-0.60	0	1
-53	8.49	5.71	-0.60	0	1
-50	6.21	4.98	-0.60	0	1
-47	8.05	4.61	-0.60	0	1
-44	5.76	3.87	-0.60	0	1
-41	7.61	3.51	-0.60	0	1
-38	5.30	2.71	-0.60	0	1
-35	7.16	2.40	-0.60	0	1
-32	4.88	1.67	-0.60	0	1
-29	8.29	13.80	-0.60	0	1
-20	0.74	1.30	2.00	0	1
-15	9.27	9.79	2.10	0	1
-12	7.34	7.81	2.10	0	1
-9	6.53	5.78	2.10	0	1
-6	5.30	2.71	2.10	0	1
-3	8.44	10.53	2.10	0	1
1	4.73	1.30	-0.60	0	1
4	0.74	1.30	-0.60	0	1
7	4.73	1.30	4.00	0	1
10	5.76	13.80	4.00	0	1
13	6.20	0.00	-0.60	0	1
21	2.75	0.00	-0.60	0	1
24	11.74	13.80	-0.60	0	1
27	6.28	15.10	-0.60	0	1
30	3.25	7.55	-0.60	0	1
33	8.81	15.10	-0.60	0	1
36	5.52	11.60	-0.60	0	6
39	1.18	0.80	-0.60	0	6
42	7.12	6.20	-0.60	0	6
45	9.29	11.60	-0.60	0	6

-55	8.64	6.08	-0.60	0	1
-52	6.35	5.34	-0.60	0	1
-49	8.20	4.98	-0.60	0	1
-46	5.91	4.24	-0.60	0	1
-43	7.75	3.87	-0.60	0	1
-40	5.47	3.14	-0.60	0	1
-37	7.31	2.77	-0.60	0	1
-34	5.03	2.04	-0.60	0	1
-31	6.87	1.67	-0.60	0	1
-28	3.27	1.30	-0.60	0	1
-17	10.23	12.17	2.10	0	1
-14	9.44	13.02	2.10	0	1
-11	7.36	5.04	2.10	0	1
-8	5.63	3.54	2.10	0	1
-5	8.16	9.83	2.10	0	1
-2	6.25	5.08	2.10	0	1
2	9.75	13.80	-0.60	0	1
5	4.73	1.30	2.10	0	1
8	9.75	13.80	4.00	0	1
11	6.06	15.10	-0.60	0	1
19	0.52	1.30	-0.60	0	1
22	4.21	0.00	-0.60	0	1
25	12.26	15.10	-0.60	0	1
28	5.54	13.80	-0.60	0	1
31	5.78	7.55	-0.60	0	1
34	4.44	8.90	-0.60	0	6
37	6.60	14.30	-0.60	0	6
40	4.95	0.80	-0.60	0	6
43	8.21	8.90	-0.60	0	6

Carichi

Elenco tipi CCE

Simbologia

Tipo CCE = Tipo condizione di carico elementare
Comm. = Commento
Tipo = Tipologia
G = Permanente
Qv = Variabile vento
Q = Variabile
I = Da ignorare
A = Azione eccezionale
P = Precompressione
Durata = Durata del carico
N = Non definita
P = Permanente
L = Lunga
M = Media
B = Breve
I = Istantanea
γ min. = Coeff. $\gamma_{min.}$
γ max = Coeff. γ_{max}
ψ_0 = Coeff. ψ_0
ψ_1 = Coeff. ψ_1
ψ_2 = Coeff. ψ_2
$\psi_{0,s}$ = Coeff. ψ_0 sismico (D.M. 96)

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	ψ_0	ψ_1	ψ_2	$\psi_{0,s}$
23	Reazioni vincolari	G	N	1.00	1.00				
1	D.M. 18 Permanenti strutturali	G	P	1.00	1.30				
2	D.M. 18 Permanenti non strutturali	G	L	0.80	1.50				
21	Tandem distrubuito	Q	N	1.35	1.35	0.75	0.40	0.00	0.00
22	Incremento sismico terreno	Q	N	1.00	1.00	0.00	0.00	1.00	0.00

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
Comm. = Commento
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Sic. = Contributo alla sicurezza
F = a favore
S = a sfavore
A = ambigua
Var. = Tipo di variabilità

B = di base
I = indipendente
A = ambigua
s =Coeff. di riduzione (T.A. o S.L. D.M. 96)
Dir. =Direzione del vento
Tipo =Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Mx =Moltiplicatore della massa in dir. X
My =Moltiplicatore della massa in dir. Y
Mz =Moltiplicatore della massa in dir. Z
Jpx =Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy =Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz =Moltiplicatore del momento d'inerzia intorno all'asse Z

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1	peso proprio	1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
2	Peso terreno e pav.	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
3	spinta statica terreno	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
4	spinta sovraccarico	21	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
5	Spinta sismica	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
6	SLU Env Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
7	SLU Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
8	SLE rara Env Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
9	SLE Rara Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
10	SLE q. permanente	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
11	SLVX+0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
12	SLVX-0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
13	SLV-X-0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
14	SLV-X+0.3y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
15	SLV Y+0.3X	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
16	SLV Y-0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
17	SLV -Y+0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
18	SLV -Y-0.3x	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
19	Spinta inerziale terreno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00

Elenco carichi nodiCondizione di carico n. 6: SLU Env Max
Carichi concentrati

Simbologia
Nodo =Numero del nodo
Fx =Componente X della forza applicata
Fy =Componente Y della forza applicata
Fz =Componente Z della forza applicata
Mx =Momento intorno all'asse X
My =Momento intorno all'asse Y
Mz =Momento intorno all'asse Z

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	61790.00	0.00	0.00	0.00
-13	-3560.00	8870.00	64050.00	0.00	0.00	0.00
-10	0.00	0.00	82200.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	61790.00	0.00	0.00	0.00
-11	0.00	0.00	71900.00	0.00	0.00	0.00

Condizione di carico n. 7: SLU Env Min
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	66110.00	0.00	0.00	0.00
-13	-61820.00	-6090.00	53510.00	0.00	0.00	0.00
-10	0.00	0.00	77800.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	60160.00	0.00	0.00	0.00
-11	0.00	0.00	68830.00	0.00	0.00	0.00

Condizione di carico n. 8: SLE rara Env Max
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	51470.00	0.00	0.00	0.00
-13	-2370.00	5910.00	45750.00	0.00	0.00	0.00
-10	0.00	0.00	58600.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	44770.00	0.00	0.00	0.00
-11	0.00	0.00	51240.00	0.00	0.00	0.00

Condizione di carico n. 9: SLE Rara Env Min
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	47340.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	43074.00	0.00	0.00	0.00

-13	-45530.00	-5170.00	37950.00	0.00	0.00	0.00
-10	0.00	0.00	55340.00	0.00	0.00	0.00

-11	0.00	0.00	48970.00	0.00	0.00	0.00

Condizione di carico n. 10: SLE q. permanente
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	39710.00	0.00	0.00	0.00
-13	0.00	0.00	39900.00	0.00	0.00	0.00
-10	0.00	0.00	46040.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	39930.00	0.00	0.00	0.00
-11	0.00	0.00	45760.00	0.00	0.00	0.00

Condizione di carico n. 11: SLVX+0.3y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	-256000.00	-76800.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 12: SLVX-0.3y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	-256000.00	76800.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 13: SLV-X-0.3y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	256000.00	76800.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 14: SLV-X+0.3y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	256000.00	-76800.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 15: SLV Y+0.3X
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	-76800.00	-256000.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 16: SLV Y-0.3x
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	76800.00	-256000.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 17: SLV -Y+0.3x
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	-76800.00	256000.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Condizione di carico n. 18: SLV -Y-0.3x
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>

-17	0.00	0.00	60330.00	0.00	0.00	0.00
-13	76800.00	256000.00	83900.00	0.00	0.00	0.00
-10	0.00	0.00	57470.00	0.00	0.00	0.00

-15	0.00	0.00	70000.00	0.00	0.00	0.00
-11	0.00	0.00	75320.00	0.00	0.00	0.00

Elenco carichi asteCondizione di carico n. 1: peso proprio
Elenco peso proprio aste

Simbologia
Sez. =Numero della sezione
Comm. =Commento
A =Area
Mat. =Materiale
P =Peso specifico
PL =Peso specifico a metro lineare

Sez.	Comm.	A <cmq>	Mat.	P <daN/mc>	PL <daN/m>
6	baggioli	5000.000000	Baggioli	0.00	0.00

Elenco carichi elementi bidimensionaliElenco peso proprio elementi bidimensionali

Simbologia
Tb =Numero del tipo muro/elemento bidimensionale
Comm. =Commento
Spess. =Spessore
Mat. =Materiale
P =Peso specifico
PQ =Peso specifico per unità di superficie

Tb	Comm.	Spess. <cm>	Mat.	P <daN/mc>	PQ <daN/mq>
1	Muri d'ala sp.50cm	50.00	Calcestruzzo classe C28/35	2500.00	1250.00
2	Fusto spalla sp. 1.5m	150.00	Calcestruzzo classe C30/37	2500.00	3750.00
3	Paraghiaia sp.0.4m	40.00	Calcestruzzo classe C28/35	2500.00	1000.00
4	Plinto spalla sp.1.5m	150.00	Calcestruzzo classe C25/30	2500.00	3750.00

Condizione di carico n. 2: Peso terreno e pav.
Carichi uniformi

Simbologia
Bid. =Numero del muro/elemento bidimensionale
N1 =Nodo1
N2 =Nodo2
N3 =Nodo3
N4 =Nodo4
T =Tipo di carico
PP = Peso proprio
VE = Vento
M = Manuale
DC =Direzione del carico
G = secondo gli assi globali
L = secondo gli assi locali
Qx =Carico in dir. X
Qy =Carico in dir. Y
Qz =Carico in dir. Z

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	21	-279	-288	-285	M	G	0.00	0.00	8040.00
0	23	-31	-71	-64	M	G	0.00	0.00	8040.00
0	19	-1639	-311	4	M	G	0.00	0.00	8040.00
0	22	-257	-267	-262	M	G	0.00	0.00	8040.00
0	20	-297	-312	-309	M	G	0.00	0.00	8040.00
0	24	-235	-245	-167	M	G	0.00	0.00	8040.00
0	26	-1380	-1383	-240	M	G	0.00	0.00	8040.00
0	3	-1190	-1210	28	M	G	0.00	0.00	8040.00
0	29	-912	-778	30	M	G	0.00	0.00	8040.00
0	30	-778	-816	-810	M	G	0.00	0.00	8040.00
0	28	-1062	-928	3	M	G	0.00	0.00	8040.00
0	3	-928	-966	-960	M	G	0.00	0.00	8040.00
0	31	-779	-1081	-1078	M	G	0.00	0.00	8040.00
0	-29	-929	-1132	-1129	M	G	0.00	0.00	8040.00
0	32	-135	-171	-63	M	G	0.00	0.00	8040.00
0	-64	-71	-72	-66	M	G	0.00	0.00	8040.00
0	-66	-72	-73	-68	M	G	0.00	0.00	8040.00
0	-68	-73	-74	-70	M	G	0.00	0.00	8040.00
0	-70	-74	-32	1	M	G	0.00	0.00	8040.00
0	-31	-33	-75	-71	M	G	0.00	0.00	8040.00

0	-71	-75	-76	-72	M	G	0.00	0.00	8040.00
0	-72	-76	-77	-73	M	G	0.00	0.00	8040.00
0	-73	-77	-78	-74	M	G	0.00	0.00	8040.00
0	-74	-78	-34	-32	M	G	0.00	0.00	8040.00
0	-33	-35	-79	-75	M	G	0.00	0.00	8040.00
0	-75	-79	-80	-76	M	G	0.00	0.00	8040.00
0	-76	-80	-81	-77	M	G	0.00	0.00	8040.00
0	-77	-81	-82	-78	M	G	0.00	0.00	8040.00
0	-78	-82	-36	-34	M	G	0.00	0.00	8040.00
0	-35	-37	-83	-79	M	G	0.00	0.00	8040.00
0	-79	-83	-84	-80	M	G	0.00	0.00	8040.00
0	-80	-84	-85	-81	M	G	0.00	0.00	8040.00
0	-81	-85	-86	-82	M	G	0.00	0.00	8040.00
0	-82	-86	-38	-36	M	G	0.00	0.00	8040.00
0	-37	-39	-87	-83	M	G	0.00	0.00	8040.00
0	-83	-87	-88	-84	M	G	0.00	0.00	8040.00
0	-84	-88	-89	-85	M	G	0.00	0.00	8040.00
0	-85	-89	-90	-86	M	G	0.00	0.00	8040.00
0	-86	-90	-40	-38	M	G	0.00	0.00	8040.00
0	-39	-41	-91	-87	M	G	0.00	0.00	8040.00
0	-87	-91	-92	-88	M	G	0.00	0.00	8040.00
0	-88	-92	-93	-89	M	G	0.00	0.00	8040.00
0	41	-98	-44	-42	M	G	0.00	0.00	8040.00
0	-93	-97	-98	41	M	G	0.00	0.00	8040.00
0	-41	-43	-95	-91	M	G	0.00	0.00	8040.00
0	-91	-95	-96	-92	M	G	0.00	0.00	8040.00
0	-92	-96	-97	-93	M	G	0.00	0.00	8040.00
0	-90	41	-42	-40	M	G	0.00	0.00	8040.00
0	-89	-93	41	-90	M	G	0.00	0.00	8040.00
0	-43	-45	-99	-95	M	G	0.00	0.00	8040.00
0	-95	-99	-100	-96	M	G	0.00	0.00	8040.00
0	-96	-100	-101	-97	M	G	0.00	0.00	8040.00
0	-97	-101	-102	-98	M	G	0.00	0.00	8040.00
0	-98	-102	-46	-44	M	G	0.00	0.00	8040.00
0	-45	-47	-103	-99	M	G	0.00	0.00	8040.00
0	-99	-103	-104	-100	M	G	0.00	0.00	8040.00
0	-100	-104	-105	-101	M	G	0.00	0.00	8040.00
0	-101	-105	-106	-102	M	G	0.00	0.00	8040.00
0	-102	-106	-48	-46	M	G	0.00	0.00	8040.00
0	-47	-49	-107	-103	M	G	0.00	0.00	8040.00
0	-103	-107	-108	-104	M	G	0.00	0.00	8040.00
0	-104	-108	-109	-105	M	G	0.00	0.00	8040.00
0	-105	-109	-110	-106	M	G	0.00	0.00	8040.00
0	-106	-110	-50	-48	M	G	0.00	0.00	8040.00
0	-49	-51	-111	-107	M	G	0.00	0.00	8040.00
0	-107	-111	-112	-108	M	G	0.00	0.00	8040.00
0	-108	-112	-113	-109	M	G	0.00	0.00	8040.00
0	-109	-113	-114	-110	M	G	0.00	0.00	8040.00
0	-110	-114	-52	-50	M	G	0.00	0.00	8040.00
0	-51	-53	-115	-111	M	G	0.00	0.00	8040.00
0	-111	-115	-116	-112	M	G	0.00	0.00	8040.00
0	-112	-116	-117	-113	M	G	0.00	0.00	8040.00
0	-113	-117	-118	-114	M	G	0.00	0.00	8040.00
0	-114	-118	-54	-52	M	G	0.00	0.00	8040.00
0	-53	-55	-119	-115	M	G	0.00	0.00	8040.00
0	-115	-119	-120	-116	M	G	0.00	0.00	8040.00
0	-116	-120	-121	-117	M	G	0.00	0.00	8040.00
0	42	-126	-58	-56	M	G	0.00	0.00	8040.00
0	-121	-125	-126	42	M	G	0.00	0.00	8040.00
0	-55	-57	-123	-119	M	G	0.00	0.00	8040.00
0	-119	-123	-124	-120	M	G	0.00	0.00	8040.00
0	-120	-124	-125	-121	M	G	0.00	0.00	8040.00
0	-118	42	-56	-54	M	G	0.00	0.00	8040.00
0	-117	-121	42	-118	M	G	0.00	0.00	8040.00
0	-57	-59	-127	-123	M	G	0.00	0.00	8040.00
0	-123	-127	-128	-124	M	G	0.00	0.00	8040.00
0	-124	-128	-129	-125	M	G	0.00	0.00	8040.00
0	-125	-129	-130	-126	M	G	0.00	0.00	8040.00
0	-126	-130	-60	-58	M	G	0.00	0.00	8040.00
0	-59	-61	-131	-127	M	G	0.00	0.00	8040.00
0	-127	-131	-132	-128	M	G	0.00	0.00	8040.00
0	-128	-132	-133	-129	M	G	0.00	0.00	8040.00
0	-129	-133	-134	-130	M	G	0.00	0.00	8040.00
0	-130	-134	-62	-60	M	G	0.00	0.00	8040.00
0	-61	32	-63	-131	M	G	0.00	0.00	8040.00
0	-131	-63	-65	-132	M	G	0.00	0.00	8040.00
0	-132	-65	-67	-133	M	G	0.00	0.00	8040.00
0	-133	-67	-69	-134	M	G	0.00	0.00	8040.00
0	-134	-69	-30	-62	M	G	0.00	0.00	8040.00

0	-63	-171	-172	-65	M	G	0.00	0.00	8040.00
0	-65	-172	-173	-67	M	G	0.00	0.00	8040.00
0	-67	-173	-174	-69	M	G	0.00	0.00	8040.00
0	-69	-174	-136	-30	M	G	0.00	0.00	8040.00
0	-135	-137	-175	-171	M	G	0.00	0.00	8040.00
0	-171	-175	-176	-172	M	G	0.00	0.00	8040.00
0	-172	-176	-177	-173	M	G	0.00	0.00	8040.00
0	-173	-177	-178	-174	M	G	0.00	0.00	8040.00
0	-174	-178	-138	-136	M	G	0.00	0.00	8040.00
0	-137	-139	-179	-175	M	G	0.00	0.00	8040.00
0	-175	-179	-180	-176	M	G	0.00	0.00	8040.00
0	-176	-180	-181	-177	M	G	0.00	0.00	8040.00
0	-177	-181	-182	-178	M	G	0.00	0.00	8040.00
0	-178	-182	-140	-138	M	G	0.00	0.00	8040.00
0	-139	-141	-183	-179	M	G	0.00	0.00	8040.00
0	-179	-183	-184	-180	M	G	0.00	0.00	8040.00
0	-180	-184	-185	-181	M	G	0.00	0.00	8040.00
0	43	-190	-144	-142	M	G	0.00	0.00	8040.00
0	-185	-189	-190	43	M	G	0.00	0.00	8040.00
0	-141	-143	-187	-183	M	G	0.00	0.00	8040.00
0	-183	-187	-188	-184	M	G	0.00	0.00	8040.00
0	-184	-188	-189	-185	M	G	0.00	0.00	8040.00
0	-182	43	-142	-140	M	G	0.00	0.00	8040.00
0	-181	-185	43	-182	M	G	0.00	0.00	8040.00
0	-143	-145	-191	-187	M	G	0.00	0.00	8040.00
0	-187	-191	-192	-188	M	G	0.00	0.00	8040.00
0	-188	-192	-193	-189	M	G	0.00	0.00	8040.00
0	-189	-193	-194	-190	M	G	0.00	0.00	8040.00
0	-190	-194	-146	-144	M	G	0.00	0.00	8040.00
0	-145	-147	-195	-191	M	G	0.00	0.00	8040.00
0	-191	-195	-196	-192	M	G	0.00	0.00	8040.00
0	-192	-196	-197	-193	M	G	0.00	0.00	8040.00
0	-193	-197	-198	-194	M	G	0.00	0.00	8040.00
0	-194	-198	-148	-146	M	G	0.00	0.00	8040.00
0	-147	-149	-199	-195	M	G	0.00	0.00	8040.00
0	-195	-199	-200	-196	M	G	0.00	0.00	8040.00
0	-196	-200	-201	-197	M	G	0.00	0.00	8040.00
0	-197	-201	-202	-198	M	G	0.00	0.00	8040.00
0	-198	-202	-150	-148	M	G	0.00	0.00	8040.00
0	-149	-151	-203	-199	M	G	0.00	0.00	8040.00
0	-199	-203	-204	-200	M	G	0.00	0.00	8040.00
0	-200	-204	-205	-201	M	G	0.00	0.00	8040.00
0	-201	-205	-206	-202	M	G	0.00	0.00	8040.00
0	-202	-206	-152	-150	M	G	0.00	0.00	8040.00
0	-151	-153	-207	-203	M	G	0.00	0.00	8040.00
0	-203	-207	-208	-204	M	G	0.00	0.00	8040.00
0	-204	-208	-209	-205	M	G	0.00	0.00	8040.00
0	-205	-209	-210	-206	M	G	0.00	0.00	8040.00
0	-206	-210	-154	-152	M	G	0.00	0.00	8040.00
0	-153	-155	-211	-207	M	G	0.00	0.00	8040.00
0	-207	-211	-212	-208	M	G	0.00	0.00	8040.00
0	-208	-212	-213	-209	M	G	0.00	0.00	8040.00
0	45	-218	-158	-156	M	G	0.00	0.00	8040.00
0	-213	-217	-218	45	M	G	0.00	0.00	8040.00
0	-155	-157	-215	-211	M	G	0.00	0.00	8040.00
0	-211	-215	-216	-212	M	G	0.00	0.00	8040.00
0	-212	-216	-217	-213	M	G	0.00	0.00	8040.00
0	-210	45	-156	-154	M	G	0.00	0.00	8040.00
0	-209	-213	45	-210	M	G	0.00	0.00	8040.00
0	-157	-159	-219	-215	M	G	0.00	0.00	8040.00
0	-215	-219	-220	-216	M	G	0.00	0.00	8040.00
0	-216	-220	-221	-217	M	G	0.00	0.00	8040.00
0	-217	-221	-222	-218	M	G	0.00	0.00	8040.00
0	-218	-222	-160	-158	M	G	0.00	0.00	8040.00
0	-159	-161	-223	-219	M	G	0.00	0.00	8040.00
0	-219	-223	-224	-220	M	G	0.00	0.00	8040.00
0	-220	-224	-225	-221	M	G	0.00	0.00	8040.00
0	-221	-225	-226	-222	M	G	0.00	0.00	8040.00
0	-222	-226	-162	-160	M	G	0.00	0.00	8040.00
0	-161	-163	-227	-223	M	G	0.00	0.00	8040.00
0	-223	-227	-228	-224	M	G	0.00	0.00	8040.00
0	-224	-228	-229	-225	M	G	0.00	0.00	8040.00
0	-225	-229	-230	-226	M	G	0.00	0.00	8040.00
0	-226	-230	-164	-162	M	G	0.00	0.00	8040.00
0	-163	-165	-231	-227	M	G	0.00	0.00	8040.00
0	-227	-231	-232	-228	M	G	0.00	0.00	8040.00
0	-228	-232	-233	-229	M	G	0.00	0.00	8040.00
0	-229	-233	-234	-230	M	G	0.00	0.00	8040.00
0	-230	-234	-166	-164	M	G	0.00	0.00	8040.00

0	-165	24	-167	-231	M	G	0.00	0.00	8040.00
0	-231	-167	-168	-232	M	G	0.00	0.00	8040.00
0	-232	-168	-169	-233	M	G	0.00	0.00	8040.00
0	-233	-169	-170	-234	M	G	0.00	0.00	8040.00
0	-234	-170	2	-166	M	G	0.00	0.00	8040.00
0	-167	-245	-246	-168	M	G	0.00	0.00	8040.00
0	-168	-246	-247	-169	M	G	0.00	0.00	8040.00
0	-169	-247	-248	-170	M	G	0.00	0.00	8040.00
0	-170	-248	-236	2	M	G	0.00	0.00	8040.00
0	-235	-237	-249	-245	M	G	0.00	0.00	8040.00
0	-245	-249	-250	-246	M	G	0.00	0.00	8040.00
0	-246	-250	-251	-247	M	G	0.00	0.00	8040.00
0	38	-256	-240	-238	M	G	0.00	0.00	8040.00
0	-251	-255	-256	38	M	G	0.00	0.00	8040.00
0	-237	-239	-253	-249	M	G	0.00	0.00	8040.00
0	-249	-253	-254	-250	M	G	0.00	0.00	8040.00
0	-250	-254	-255	-251	M	G	0.00	0.00	8040.00
0	-248	38	-238	-236	M	G	0.00	0.00	8040.00
0	-247	-251	38	-248	M	G	0.00	0.00	8040.00
0	-239	25	-241	-253	M	G	0.00	0.00	8040.00
0	-253	-241	-242	-254	M	G	0.00	0.00	8040.00
0	-254	-242	-243	-255	M	G	0.00	0.00	8040.00
0	-255	-243	-244	-256	M	G	0.00	0.00	8040.00
0	-256	-244	26	-240	M	G	0.00	0.00	8040.00
0	40	-271	-272	-269	M	G	0.00	0.00	8040.00
0	-267	-270	-271	40	M	G	0.00	0.00	8040.00
0	-266	-269	-70	1	M	G	0.00	0.00	8040.00
0	-257	-258	-270	-267	M	G	0.00	0.00	8040.00
0	-264	40	-269	-266	M	G	0.00	0.00	8040.00
0	-262	-267	40	-264	M	G	0.00	0.00	8040.00
0	-269	-272	-68	-70	M	G	0.00	0.00	8040.00
0	-258	-259	-273	-270	M	G	0.00	0.00	8040.00
0	-270	-273	-274	-271	M	G	0.00	0.00	8040.00
0	-271	-274	-275	-272	M	G	0.00	0.00	8040.00
0	-272	-275	-66	-68	M	G	0.00	0.00	8040.00
0	-259	-260	-276	-273	M	G	0.00	0.00	8040.00
0	-273	-276	-277	-274	M	G	0.00	0.00	8040.00
0	-274	-277	-278	-275	M	G	0.00	0.00	8040.00
0	-275	-278	-64	-66	M	G	0.00	0.00	8040.00
0	-260	13	-261	-276	M	G	0.00	0.00	8040.00
0	-276	-261	-263	-277	M	G	0.00	0.00	8040.00
0	-277	-263	-265	-278	M	G	0.00	0.00	8040.00
0	-278	-265	23	-64	M	G	0.00	0.00	8040.00
0	-285	-288	-289	-286	M	G	0.00	0.00	8040.00
0	-286	-289	-290	-287	M	G	0.00	0.00	8040.00
0	-287	-290	-280	-28	M	G	0.00	0.00	8040.00
0	-279	-281	-291	-288	M	G	0.00	0.00	8040.00
0	-288	-291	-292	-289	M	G	0.00	0.00	8040.00
0	-289	-292	-293	-290	M	G	0.00	0.00	8040.00
0	-290	-293	-282	-280	M	G	0.00	0.00	8040.00
0	-281	-283	-294	-291	M	G	0.00	0.00	8040.00
0	-291	-294	-295	-292	M	G	0.00	0.00	8040.00
0	-292	-295	-296	-293	M	G	0.00	0.00	8040.00
0	-293	-296	-284	-282	M	G	0.00	0.00	8040.00
0	-283	22	-262	-294	M	G	0.00	0.00	8040.00
0	-294	-262	-264	-295	M	G	0.00	0.00	8040.00
0	-295	-264	-266	-296	M	G	0.00	0.00	8040.00
0	-296	-266	1	-284	M	G	0.00	0.00	8040.00
0	-309	-312	-313	-310	M	G	0.00	0.00	8040.00
0	-310	-313	-314	-311	M	G	0.00	0.00	8040.00
0	-311	-314	-298	4	M	G	0.00	0.00	8040.00
0	-297	-299	-315	-312	M	G	0.00	0.00	8040.00
0	39	-319	-320	-317	M	G	0.00	0.00	8040.00
0	-315	-318	-319	39	M	G	0.00	0.00	8040.00
0	-314	-317	-300	-298	M	G	0.00	0.00	8040.00
0	-299	-301	-318	-315	M	G	0.00	0.00	8040.00
0	-313	39	-317	-314	M	G	0.00	0.00	8040.00
0	-312	-315	39	-313	M	G	0.00	0.00	8040.00
0	-317	-320	-302	-300	M	G	0.00	0.00	8040.00
0	-301	-303	-321	-318	M	G	0.00	0.00	8040.00
0	-318	-321	-322	-319	M	G	0.00	0.00	8040.00
0	-319	-322	-323	-320	M	G	0.00	0.00	8040.00
0	-320	-323	-304	-302	M	G	0.00	0.00	8040.00
0	-303	-305	-324	-321	M	G	0.00	0.00	8040.00
0	-321	-324	-325	-322	M	G	0.00	0.00	8040.00
0	-322	-325	-326	-323	M	G	0.00	0.00	8040.00
0	-323	-326	-306	-304	M	G	0.00	0.00	8040.00
0	-305	-307	-327	-324	M	G	0.00	0.00	8040.00
0	-324	-327	-328	-325	M	G	0.00	0.00	8040.00

0	-325	-328	-329	-326	M	G	0.00	0.00	8040.00
0	-326	-329	-308	-306	M	G	0.00	0.00	8040.00
0	-307	21	-285	-327	M	G	0.00	0.00	8040.00
0	-327	-285	-286	-328	M	G	0.00	0.00	8040.00
0	-328	-286	-287	-329	M	G	0.00	0.00	8040.00
0	-329	-287	-28	-308	M	G	0.00	0.00	8040.00
0	33	-1180	-1192	-1187	M	G	0.00	0.00	8040.00
0	-810	-816	-817	-811	M	G	0.00	0.00	8040.00
0	-811	-817	-818	-812	M	G	0.00	0.00	8040.00
0	-812	-818	-819	-813	M	G	0.00	0.00	8040.00
0	-813	-819	-820	-814	M	G	0.00	0.00	8040.00
0	-814	-820	-821	-815	M	G	0.00	0.00	8040.00
0	-815	-821	-779	31	M	G	0.00	0.00	8040.00
0	-778	-780	-822	-816	M	G	0.00	0.00	8040.00
0	-816	-822	-823	-817	M	G	0.00	0.00	8040.00
0	-817	-823	-824	-818	M	G	0.00	0.00	8040.00
0	-818	-824	-825	-819	M	G	0.00	0.00	8040.00
0	-819	-825	-826	-820	M	G	0.00	0.00	8040.00
0	-820	-826	-827	-821	M	G	0.00	0.00	8040.00
0	-821	-827	-781	-779	M	G	0.00	0.00	8040.00
0	-780	-782	-828	-822	M	G	0.00	0.00	8040.00
0	-822	-828	-829	-823	M	G	0.00	0.00	8040.00
0	-823	-829	-830	-824	M	G	0.00	0.00	8040.00
0	-824	-830	-831	-825	M	G	0.00	0.00	8040.00
0	-825	-831	-832	-826	M	G	0.00	0.00	8040.00
0	-826	-832	-833	-827	M	G	0.00	0.00	8040.00
0	-827	-833	-783	-781	M	G	0.00	0.00	8040.00
0	-782	-784	-834	-828	M	G	0.00	0.00	8040.00
0	35	-841	-842	-836	M	G	0.00	0.00	8040.00
0	-834	-840	-841	35	M	G	0.00	0.00	8040.00
0	-830	-836	-837	-831	M	G	0.00	0.00	8040.00
0	-831	-837	-838	-832	M	G	0.00	0.00	8040.00
0	-832	-838	-839	-833	M	G	0.00	0.00	8040.00
0	-833	-839	-785	-783	M	G	0.00	0.00	8040.00
0	-784	-786	-840	-834	M	G	0.00	0.00	8040.00
0	-829	35	-836	-830	M	G	0.00	0.00	8040.00
0	-828	-834	35	-829	M	G	0.00	0.00	8040.00
0	-836	-842	-843	-837	M	G	0.00	0.00	8040.00
0	-837	-843	-844	-838	M	G	0.00	0.00	8040.00
0	-838	-844	-845	-839	M	G	0.00	0.00	8040.00
0	-839	-845	-787	-785	M	G	0.00	0.00	8040.00
0	-786	-788	-846	-840	M	G	0.00	0.00	8040.00
0	-840	-846	-847	-841	M	G	0.00	0.00	8040.00
0	-841	-847	-848	-842	M	G	0.00	0.00	8040.00
0	-842	-848	-849	-843	M	G	0.00	0.00	8040.00
0	-843	-849	-850	-844	M	G	0.00	0.00	8040.00
0	-844	-850	-851	-845	M	G	0.00	0.00	8040.00
0	-845	-851	-789	-787	M	G	0.00	0.00	8040.00
0	-788	-790	-852	-846	M	G	0.00	0.00	8040.00
0	-846	-852	-853	-847	M	G	0.00	0.00	8040.00
0	-847	-853	-854	-848	M	G	0.00	0.00	8040.00
0	-848	-854	-855	-849	M	G	0.00	0.00	8040.00
0	-849	-855	-856	-850	M	G	0.00	0.00	8040.00
0	-850	-856	-857	-851	M	G	0.00	0.00	8040.00
0	-851	-857	-791	-789	M	G	0.00	0.00	8040.00
0	-790	-792	-858	-852	M	G	0.00	0.00	8040.00
0	-852	-858	-859	-853	M	G	0.00	0.00	8040.00
0	-853	-859	-860	-854	M	G	0.00	0.00	8040.00
0	-854	-860	-861	-855	M	G	0.00	0.00	8040.00
0	-855	-861	-862	-856	M	G	0.00	0.00	8040.00
0	-856	-862	-863	-857	M	G	0.00	0.00	8040.00
0	-857	-863	-793	-791	M	G	0.00	0.00	8040.00
0	-792	-794	-864	-858	M	G	0.00	0.00	8040.00
0	-858	-864	-865	-859	M	G	0.00	0.00	8040.00
0	-859	-865	-866	-860	M	G	0.00	0.00	8040.00
0	-860	-866	-867	-861	M	G	0.00	0.00	8040.00
0	-861	-867	-868	-862	M	G	0.00	0.00	8040.00
0	-862	-868	-869	-863	M	G	0.00	0.00	8040.00
0	-863	-869	-795	-793	M	G	0.00	0.00	8040.00
0	-794	-796	-870	-864	M	G	0.00	0.00	8040.00
0	-864	-870	-871	-865	M	G	0.00	0.00	8040.00
0	-865	-871	-872	-866	M	G	0.00	0.00	8040.00
0	-866	-872	-873	-867	M	G	0.00	0.00	8040.00
0	-867	-873	-874	-868	M	G	0.00	0.00	8040.00
0	-868	-874	-875	-869	M	G	0.00	0.00	8040.00
0	-869	-875	-797	-795	M	G	0.00	0.00	8040.00
0	-796	-798	-876	-870	M	G	0.00	0.00	8040.00
0	44	-883	-884	-878	M	G	0.00	0.00	8040.00
0	-876	-882	-883	44	M	G	0.00	0.00	8040.00

0	-872	-878	-879	-873	M	G	0.00	0.00	8040.00
0	-873	-879	-880	-874	M	G	0.00	0.00	8040.00
0	-874	-880	-881	-875	M	G	0.00	0.00	8040.00
0	-875	-881	-799	-797	M	G	0.00	0.00	8040.00
0	-798	-800	-882	-876	M	G	0.00	0.00	8040.00
0	-871	44	-878	-872	M	G	0.00	0.00	8040.00
0	-870	-876	44	-871	M	G	0.00	0.00	8040.00
0	-878	-884	-885	-879	M	G	0.00	0.00	8040.00
0	-879	-885	-886	-880	M	G	0.00	0.00	8040.00
0	-880	-886	-887	-881	M	G	0.00	0.00	8040.00
0	-881	-887	-801	-799	M	G	0.00	0.00	8040.00
0	-800	-802	-888	-882	M	G	0.00	0.00	8040.00
0	-882	-888	-889	-883	M	G	0.00	0.00	8040.00
0	-883	-889	-890	-884	M	G	0.00	0.00	8040.00
0	-884	-890	-891	-885	M	G	0.00	0.00	8040.00
0	-885	-891	-892	-886	M	G	0.00	0.00	8040.00
0	-886	-892	-893	-887	M	G	0.00	0.00	8040.00
0	-887	-893	-803	-801	M	G	0.00	0.00	8040.00
0	-802	-804	-894	-888	M	G	0.00	0.00	8040.00
0	-888	-894	-895	-889	M	G	0.00	0.00	8040.00
0	-889	-895	-896	-890	M	G	0.00	0.00	8040.00
0	-890	-896	-897	-891	M	G	0.00	0.00	8040.00
0	-891	-897	-898	-892	M	G	0.00	0.00	8040.00
0	-892	-898	-899	-893	M	G	0.00	0.00	8040.00
0	-893	-899	-805	-803	M	G	0.00	0.00	8040.00
0	-804	-806	-900	-894	M	G	0.00	0.00	8040.00
0	-894	-900	-901	-895	M	G	0.00	0.00	8040.00
0	-895	-901	-902	-896	M	G	0.00	0.00	8040.00
0	-896	-902	-903	-897	M	G	0.00	0.00	8040.00
0	-897	-903	-904	-898	M	G	0.00	0.00	8040.00
0	-898	-904	-905	-899	M	G	0.00	0.00	8040.00
0	-899	-905	-807	-805	M	G	0.00	0.00	8040.00
0	-806	-808	-906	-900	M	G	0.00	0.00	8040.00
0	-900	-906	-907	-901	M	G	0.00	0.00	8040.00
0	-901	-907	-908	-902	M	G	0.00	0.00	8040.00
0	-902	-908	-909	-903	M	G	0.00	0.00	8040.00
0	-903	-909	-910	-904	M	G	0.00	0.00	8040.00
0	-904	-910	-911	-905	M	G	0.00	0.00	8040.00
0	-905	-911	-809	-807	M	G	0.00	0.00	8040.00
0	-808	4	-298	-906	M	G	0.00	0.00	8040.00
0	-906	-298	-300	-907	M	G	0.00	0.00	8040.00
0	-907	-300	-302	-908	M	G	0.00	0.00	8040.00
0	-908	-302	-304	-909	M	G	0.00	0.00	8040.00
0	-909	-304	-306	-910	M	G	0.00	0.00	8040.00
0	-910	-306	-308	-911	M	G	0.00	0.00	8040.00
0	-911	-308	-28	-809	M	G	0.00	0.00	8040.00
0	-912	-913	-780	-778	M	G	0.00	0.00	8040.00
0	-913	-914	-782	-780	M	G	0.00	0.00	8040.00
0	-914	-1638	-784	-782	M	G	0.00	0.00	8040.00
0	-1638	-916	-786	-784	M	G	0.00	0.00	8040.00
0	-916	-917	-788	-786	M	G	0.00	0.00	8040.00
0	-917	-918	-790	-788	M	G	0.00	0.00	8040.00
0	-918	-919	-792	-790	M	G	0.00	0.00	8040.00
0	-919	-920	-794	-792	M	G	0.00	0.00	8040.00
0	-920	-921	-796	-794	M	G	0.00	0.00	8040.00
0	-921	-922	-798	-796	M	G	0.00	0.00	8040.00
0	-922	-923	-800	-798	M	G	0.00	0.00	8040.00
0	-923	-924	-802	-800	M	G	0.00	0.00	8040.00
0	-924	-925	-804	-802	M	G	0.00	0.00	8040.00
0	-925	-926	-806	-804	M	G	0.00	0.00	8040.00
0	-926	-927	-808	-806	M	G	0.00	0.00	8040.00
0	-927	19	4	-808	M	G	0.00	0.00	8040.00
0	-960	-966	-967	-961	M	G	0.00	0.00	8040.00
0	-961	-967	-968	-962	M	G	0.00	0.00	8040.00
0	-962	-968	-969	-963	M	G	0.00	0.00	8040.00
0	-963	-969	-970	-964	M	G	0.00	0.00	8040.00
0	-964	-970	-971	-965	M	G	0.00	0.00	8040.00
0	-965	-971	-929	-29	M	G	0.00	0.00	8040.00
0	-928	-930	-972	-966	M	G	0.00	0.00	8040.00
0	-966	-972	-973	-967	M	G	0.00	0.00	8040.00
0	-967	-973	-974	-968	M	G	0.00	0.00	8040.00
0	-968	-974	-975	-969	M	G	0.00	0.00	8040.00
0	-969	-975	-976	-970	M	G	0.00	0.00	8040.00
0	-970	-976	-977	-971	M	G	0.00	0.00	8040.00
0	-971	-977	-931	-929	M	G	0.00	0.00	8040.00
0	-930	-932	-978	-972	M	G	0.00	0.00	8040.00
0	-972	-978	-979	-973	M	G	0.00	0.00	8040.00
0	-973	-979	-980	-974	M	G	0.00	0.00	8040.00
0	-974	-980	-981	-975	M	G	0.00	0.00	8040.00

0	-975	-981	-982	-976	M	G	0.00	0.00	8040.00
0	-976	-982	-983	-977	M	G	0.00	0.00	8040.00
0	-977	-983	-933	-931	M	G	0.00	0.00	8040.00
0	-932	-934	-984	-978	M	G	0.00	0.00	8040.00
0	-978	-984	-985	-979	M	G	0.00	0.00	8040.00
0	-979	-985	-986	-980	M	G	0.00	0.00	8040.00
0	-980	-986	-987	-981	M	G	0.00	0.00	8040.00
0	-981	-987	-988	-982	M	G	0.00	0.00	8040.00
0	-982	-988	-989	-983	M	G	0.00	0.00	8040.00
0	-983	-989	-935	-933	M	G	0.00	0.00	8040.00
0	-934	-936	-990	-984	M	G	0.00	0.00	8040.00
0	-984	-990	-991	-985	M	G	0.00	0.00	8040.00
0	-986	-985	-991	-1637	M	G	0.00	0.00	8040.00
0	36	-1003	-1004	-998	M	G	0.00	0.00	8040.00
0	-987	-993	-994	-988	M	G	0.00	0.00	8040.00
0	-988	-994	-995	-989	M	G	0.00	0.00	8040.00
0	-989	-995	-937	-935	M	G	0.00	0.00	8040.00
0	-936	-938	-996	-990	M	G	0.00	0.00	8040.00
0	-996	-1002	-1003	36	M	G	0.00	0.00	8040.00
0	-993	-1637	-998	-999	M	G	0.00	0.00	8040.00
0	-987	-986	-1637	-993	M	G	0.00	0.00	8040.00
0	-993	-999	-1000	-994	M	G	0.00	0.00	8040.00
0	-994	-1000	-1001	-995	M	G	0.00	0.00	8040.00
0	-995	-1001	-939	-937	M	G	0.00	0.00	8040.00
0	-938	-940	-1002	-996	M	G	0.00	0.00	8040.00
0	-990	-996	36	-991	M	G	0.00	0.00	8040.00
0	-1637	-991	36	-998	M	G	0.00	0.00	8040.00
0	-998	-1004	-1005	-999	M	G	0.00	0.00	8040.00
0	-999	-1005	-1006	-1000	M	G	0.00	0.00	8040.00
0	-1000	-1006	-1007	-1001	M	G	0.00	0.00	8040.00
0	-1001	-1007	-941	-939	M	G	0.00	0.00	8040.00
0	-940	-942	-1008	-1002	M	G	0.00	0.00	8040.00
0	-1002	-1008	-1009	-1003	M	G	0.00	0.00	8040.00
0	-1003	-1009	-1010	-1004	M	G	0.00	0.00	8040.00
0	-1004	-1010	-1011	-1005	M	G	0.00	0.00	8040.00
0	-1005	-1011	-1012	-1006	M	G	0.00	0.00	8040.00
0	-1006	-1012	-1013	-1007	M	G	0.00	0.00	8040.00
0	-1007	-1013	-943	-941	M	G	0.00	0.00	8040.00
0	-942	-944	-1014	-1008	M	G	0.00	0.00	8040.00
0	-1008	-1014	-1015	-1009	M	G	0.00	0.00	8040.00
0	-1009	-1015	-1016	-1010	M	G	0.00	0.00	8040.00
0	-1010	-1016	-1017	-1011	M	G	0.00	0.00	8040.00
0	-1011	-1017	-1018	-1012	M	G	0.00	0.00	8040.00
0	-1012	-1018	-1019	-1013	M	G	0.00	0.00	8040.00
0	-1013	-1019	-945	-943	M	G	0.00	0.00	8040.00
0	-944	-946	-1020	-1014	M	G	0.00	0.00	8040.00
0	-1014	-1020	-1021	-1015	M	G	0.00	0.00	8040.00
0	-1015	-1021	-1022	-1016	M	G	0.00	0.00	8040.00
0	-1016	-1022	-1023	-1017	M	G	0.00	0.00	8040.00
0	-1017	-1023	-1024	-1018	M	G	0.00	0.00	8040.00
0	-1018	-1024	-1025	-1019	M	G	0.00	0.00	8040.00
0	-1019	-1025	-947	-945	M	G	0.00	0.00	8040.00
0	-946	-948	-1026	-1020	M	G	0.00	0.00	8040.00
0	-1020	-1026	-1027	-1021	M	G	0.00	0.00	8040.00
0	-1021	-1027	-1028	-1022	M	G	0.00	0.00	8040.00
0	-1022	-1028	-1029	-1023	M	G	0.00	0.00	8040.00
0	-1023	-1029	-1030	-1024	M	G	0.00	0.00	8040.00
0	-1024	-1030	-1031	-1025	M	G	0.00	0.00	8040.00
0	-1025	-1031	-949	-947	M	G	0.00	0.00	8040.00
0	-948	-950	-1032	-1026	M	G	0.00	0.00	8040.00
0	-1026	-1032	-1033	-1027	M	G	0.00	0.00	8040.00
0	-1027	-1033	-1034	-1028	M	G	0.00	0.00	8040.00
0	-1028	-1034	-1035	-1029	M	G	0.00	0.00	8040.00
0	-1029	-1035	-1036	-1030	M	G	0.00	0.00	8040.00
0	-1030	-1036	-1037	-1031	M	G	0.00	0.00	8040.00
0	-1031	-1037	-951	-949	M	G	0.00	0.00	8040.00
0	-950	-952	-1038	-1032	M	G	0.00	0.00	8040.00
0	34	-1045	-1046	-1040	M	G	0.00	0.00	8040.00
0	-1038	-1044	-1045	34	M	G	0.00	0.00	8040.00
0	-1034	-1040	-1041	-1035	M	G	0.00	0.00	8040.00
0	-1035	-1041	-1042	-1036	M	G	0.00	0.00	8040.00
0	-1036	-1042	-1043	-1037	M	G	0.00	0.00	8040.00
0	-1037	-1043	-953	-951	M	G	0.00	0.00	8040.00
0	-952	-954	-1044	-1038	M	G	0.00	0.00	8040.00
0	-1033	34	-1040	-1034	M	G	0.00	0.00	8040.00
0	-1032	-1038	34	-1033	M	G	0.00	0.00	8040.00
0	-1040	-1046	-1047	-1041	M	G	0.00	0.00	8040.00
0	-1041	-1047	-1048	-1042	M	G	0.00	0.00	8040.00
0	-1042	-1048	-1049	-1043	M	G	0.00	0.00	8040.00

0	-1043	-1049	-955	-953	M	G	0.00	0.00	8040.00
0	-954	-956	-1050	-1044	M	G	0.00	0.00	8040.00
0	-1044	-1050	-1051	-1045	M	G	0.00	0.00	8040.00
0	-1045	-1051	-1052	-1046	M	G	0.00	0.00	8040.00
0	-1046	-1052	-1053	-1047	M	G	0.00	0.00	8040.00
0	-1047	-1053	-1054	-1048	M	G	0.00	0.00	8040.00
0	-1048	-1054	-1055	-1049	M	G	0.00	0.00	8040.00
0	-1049	-1055	-957	-955	M	G	0.00	0.00	8040.00
0	-956	-958	-1056	-1050	M	G	0.00	0.00	8040.00
0	-1050	-1056	-1057	-1051	M	G	0.00	0.00	8040.00
0	-1051	-1057	-1058	-1052	M	G	0.00	0.00	8040.00
0	-1052	-1058	-1059	-1053	M	G	0.00	0.00	8040.00
0	-1053	-1059	-1060	-1054	M	G	0.00	0.00	8040.00
0	-1054	-1060	-1061	-1055	M	G	0.00	0.00	8040.00
0	-1055	-1061	-959	-957	M	G	0.00	0.00	8040.00
0	-958	30	-810	-1056	M	G	0.00	0.00	8040.00
0	-1056	-810	-811	-1057	M	G	0.00	0.00	8040.00
0	-1057	-811	-812	-1058	M	G	0.00	0.00	8040.00
0	-1058	-812	-813	-1059	M	G	0.00	0.00	8040.00
0	-1059	-813	-814	-1060	M	G	0.00	0.00	8040.00
0	-1060	-814	-815	-1061	M	G	0.00	0.00	8040.00
0	-1061	-815	31	-959	M	G	0.00	0.00	8040.00
0	-1062	-1063	-930	-928	M	G	0.00	0.00	8040.00
0	-1063	-1064	-932	-930	M	G	0.00	0.00	8040.00
0	-1064	-1065	-934	-932	M	G	0.00	0.00	8040.00
0	-1065	-1066	-936	-934	M	G	0.00	0.00	8040.00
0	-1066	-1067	-938	-936	M	G	0.00	0.00	8040.00
0	-1067	-1068	-940	-938	M	G	0.00	0.00	8040.00
0	-1068	-1069	-942	-940	M	G	0.00	0.00	8040.00
0	-1069	-1070	-944	-942	M	G	0.00	0.00	8040.00
0	-1070	-1071	-946	-944	M	G	0.00	0.00	8040.00
0	-1071	-1072	-948	-946	M	G	0.00	0.00	8040.00
0	-1072	-1073	-950	-948	M	G	0.00	0.00	8040.00
0	-1073	-1074	-952	-950	M	G	0.00	0.00	8040.00
0	-1074	-1075	-954	-952	M	G	0.00	0.00	8040.00
0	-1075	-1076	-956	-954	M	G	0.00	0.00	8040.00
0	-1076	-1077	-958	-956	M	G	0.00	0.00	8040.00
0	-1077	29	30	-958	M	G	0.00	0.00	8040.00
0	-1078	-1081	-1082	-1079	M	G	0.00	0.00	8040.00
0	-1079	-1082	-1083	-1080	M	G	0.00	0.00	8040.00
0	-1080	-1083	-62	-30	M	G	0.00	0.00	8040.00
0	-779	-781	-1084	-1081	M	G	0.00	0.00	8040.00
0	-1081	-1084	-1085	-1082	M	G	0.00	0.00	8040.00
0	-1082	-1085	-1086	-1083	M	G	0.00	0.00	8040.00
0	-1083	-1086	-60	-62	M	G	0.00	0.00	8040.00
0	-781	-783	-1087	-1084	M	G	0.00	0.00	8040.00
0	-1084	-1087	-1088	-1085	M	G	0.00	0.00	8040.00
0	-1085	-1088	-1089	-1086	M	G	0.00	0.00	8040.00
0	-1086	-1089	-58	-60	M	G	0.00	0.00	8040.00
0	-783	-785	-1090	-1087	M	G	0.00	0.00	8040.00
0	-1087	-1090	-1091	-1088	M	G	0.00	0.00	8040.00
0	-1088	-1091	-1092	-1089	M	G	0.00	0.00	8040.00
0	-1089	-1092	-56	-58	M	G	0.00	0.00	8040.00
0	-785	-787	-1093	-1090	M	G	0.00	0.00	8040.00
0	-1090	-1093	-1094	-1091	M	G	0.00	0.00	8040.00
0	-1091	-1094	-1095	-1092	M	G	0.00	0.00	8040.00
0	-1092	-1095	-54	-56	M	G	0.00	0.00	8040.00
0	-787	-789	-1096	-1093	M	G	0.00	0.00	8040.00
0	-1093	-1096	-1097	-1094	M	G	0.00	0.00	8040.00
0	-1094	-1097	-1098	-1095	M	G	0.00	0.00	8040.00
0	-1095	-1098	-52	-54	M	G	0.00	0.00	8040.00
0	-789	-791	-1099	-1096	M	G	0.00	0.00	8040.00
0	-1096	-1099	-1100	-1097	M	G	0.00	0.00	8040.00
0	-1097	-1100	-1101	-1098	M	G	0.00	0.00	8040.00
0	-1098	-1101	-50	-52	M	G	0.00	0.00	8040.00
0	-791	-793	-1102	-1099	M	G	0.00	0.00	8040.00
0	-1099	-1102	-1103	-1100	M	G	0.00	0.00	8040.00
0	-1100	-1103	-1104	-1101	M	G	0.00	0.00	8040.00
0	-1101	-1104	-48	-50	M	G	0.00	0.00	8040.00
0	-793	-795	-1105	-1102	M	G	0.00	0.00	8040.00
0	-1102	-1105	-1106	-1103	M	G	0.00	0.00	8040.00
0	-1103	-1106	-1107	-1104	M	G	0.00	0.00	8040.00
0	-1104	-1107	-46	-48	M	G	0.00	0.00	8040.00
0	-795	-797	-1108	-1105	M	G	0.00	0.00	8040.00
0	-1105	-1108	-1109	-1106	M	G	0.00	0.00	8040.00
0	-1106	-1109	-1110	-1107	M	G	0.00	0.00	8040.00
0	-1107	-1110	-44	-46	M	G	0.00	0.00	8040.00
0	-797	-799	-1111	-1108	M	G	0.00	0.00	8040.00
0	-1108	-1111	-1112	-1109	M	G	0.00	0.00	8040.00

0	-1109	-1112	-1113	-1110	M	G	0.00	0.00	8040.00
0	-1110	-1113	-42	-44	M	G	0.00	0.00	8040.00
0	-799	-801	-1114	-1111	M	G	0.00	0.00	8040.00
0	-1111	-1114	-1115	-1112	M	G	0.00	0.00	8040.00
0	-1112	-1115	-1116	-1113	M	G	0.00	0.00	8040.00
0	-1113	-1116	-40	-42	M	G	0.00	0.00	8040.00
0	-801	-803	-1117	-1114	M	G	0.00	0.00	8040.00
0	-1114	-1117	-1118	-1115	M	G	0.00	0.00	8040.00
0	-1115	-1118	-1119	-1116	M	G	0.00	0.00	8040.00
0	-1116	-1119	-38	-40	M	G	0.00	0.00	8040.00
0	-803	-805	-1120	-1117	M	G	0.00	0.00	8040.00
0	-1117	-1120	-1121	-1118	M	G	0.00	0.00	8040.00
0	-1118	-1121	-1122	-1119	M	G	0.00	0.00	8040.00
0	-1119	-1122	-36	-38	M	G	0.00	0.00	8040.00
0	-805	-807	-1123	-1120	M	G	0.00	0.00	8040.00
0	-1120	-1123	-1124	-1121	M	G	0.00	0.00	8040.00
0	-1121	-1124	-1125	-1122	M	G	0.00	0.00	8040.00
0	-1122	-1125	-34	-36	M	G	0.00	0.00	8040.00
0	-807	-809	-1126	-1123	M	G	0.00	0.00	8040.00
0	-1123	-1126	-1127	-1124	M	G	0.00	0.00	8040.00
0	-1124	-1127	-1128	-1125	M	G	0.00	0.00	8040.00
0	-1125	-1128	-32	-34	M	G	0.00	0.00	8040.00
0	-809	-28	-280	-1126	M	G	0.00	0.00	8040.00
0	-1126	-280	-282	-1127	M	G	0.00	0.00	8040.00
0	-1127	-282	-284	-1128	M	G	0.00	0.00	8040.00
0	-1128	-284	1	-32	M	G	0.00	0.00	8040.00
0	-1129	-1132	-1133	-1130	M	G	0.00	0.00	8040.00
0	-1130	-1133	-1134	-1131	M	G	0.00	0.00	8040.00
0	-1131	-1134	-166	2	M	G	0.00	0.00	8040.00
0	-929	-931	-1135	-1132	M	G	0.00	0.00	8040.00
0	-1132	-1135	-1136	-1133	M	G	0.00	0.00	8040.00
0	-1133	-1136	-1137	-1134	M	G	0.00	0.00	8040.00
0	-1134	-1137	-164	-166	M	G	0.00	0.00	8040.00
0	-931	-933	-1138	-1135	M	G	0.00	0.00	8040.00
0	-1135	-1138	-1139	-1136	M	G	0.00	0.00	8040.00
0	-1136	-1139	-1140	-1137	M	G	0.00	0.00	8040.00
0	-1137	-1140	-162	-164	M	G	0.00	0.00	8040.00
0	-933	-935	-1141	-1138	M	G	0.00	0.00	8040.00
0	-1138	-1141	-1142	-1139	M	G	0.00	0.00	8040.00
0	-1139	-1142	-1143	-1140	M	G	0.00	0.00	8040.00
0	-1140	-1143	-160	-162	M	G	0.00	0.00	8040.00
0	-935	-937	-1144	-1141	M	G	0.00	0.00	8040.00
0	-1141	-1144	-1145	-1142	M	G	0.00	0.00	8040.00
0	-1142	-1145	-1146	-1143	M	G	0.00	0.00	8040.00
0	-1143	-1146	-158	-160	M	G	0.00	0.00	8040.00
0	-937	-939	-1147	-1144	M	G	0.00	0.00	8040.00
0	-1144	-1147	-1148	-1145	M	G	0.00	0.00	8040.00
0	-1145	-1148	-1149	-1146	M	G	0.00	0.00	8040.00
0	-1146	-1149	-156	-158	M	G	0.00	0.00	8040.00
0	-939	-941	-1150	-1147	M	G	0.00	0.00	8040.00
0	-1147	-1150	-1151	-1148	M	G	0.00	0.00	8040.00
0	-1148	-1151	-1152	-1149	M	G	0.00	0.00	8040.00
0	-1149	-1152	-154	-156	M	G	0.00	0.00	8040.00
0	-941	-943	-1153	-1150	M	G	0.00	0.00	8040.00
0	-1150	-1153	-1154	-1151	M	G	0.00	0.00	8040.00
0	-1151	-1154	-1155	-1152	M	G	0.00	0.00	8040.00
0	-1152	-1155	-152	-154	M	G	0.00	0.00	8040.00
0	-943	-945	-1156	-1153	M	G	0.00	0.00	8040.00
0	-1153	-1156	-1157	-1154	M	G	0.00	0.00	8040.00
0	-1154	-1157	-1158	-1155	M	G	0.00	0.00	8040.00
0	-1155	-1158	-150	-152	M	G	0.00	0.00	8040.00
0	-945	-947	-1159	-1156	M	G	0.00	0.00	8040.00
0	-1156	-1159	-1160	-1157	M	G	0.00	0.00	8040.00
0	-1157	-1160	-1161	-1158	M	G	0.00	0.00	8040.00
0	-1158	-1161	-148	-150	M	G	0.00	0.00	8040.00
0	-947	-949	-1162	-1159	M	G	0.00	0.00	8040.00
0	-1159	-1162	-1163	-1160	M	G	0.00	0.00	8040.00
0	-1160	-1163	-1164	-1161	M	G	0.00	0.00	8040.00
0	-1161	-1164	-146	-148	M	G	0.00	0.00	8040.00
0	-949	-951	-1165	-1162	M	G	0.00	0.00	8040.00
0	-1162	-1165	-1166	-1163	M	G	0.00	0.00	8040.00
0	-1163	-1166	-1167	-1164	M	G	0.00	0.00	8040.00
0	-1164	-1167	-144	-146	M	G	0.00	0.00	8040.00
0	-951	-953	-1168	-1165	M	G	0.00	0.00	8040.00
0	-1165	-1168	-1169	-1166	M	G	0.00	0.00	8040.00
0	-1166	-1169	-1170	-1167	M	G	0.00	0.00	8040.00
0	-1167	-1170	-142	-144	M	G	0.00	0.00	8040.00
0	-953	-955	-1171	-1168	M	G	0.00	0.00	8040.00
0	-1168	-1171	-1172	-1169	M	G	0.00	0.00	8040.00

0	-1169	-1172	-1173	-1170	M	G	0.00	0.00	8040.00
0	-1170	-1173	-140	-142	M	G	0.00	0.00	8040.00
0	-955	-957	-1174	-1171	M	G	0.00	0.00	8040.00
0	-1171	-1174	-1175	-1172	M	G	0.00	0.00	8040.00
0	-1172	-1175	-1176	-1173	M	G	0.00	0.00	8040.00
0	-1173	-1176	-138	-140	M	G	0.00	0.00	8040.00
0	-957	-959	-1177	-1174	M	G	0.00	0.00	8040.00
0	-1174	-1177	-1178	-1175	M	G	0.00	0.00	8040.00
0	-1175	-1178	-1179	-1176	M	G	0.00	0.00	8040.00
0	-1176	-1179	-136	-138	M	G	0.00	0.00	8040.00
0	-959	31	-1078	-1177	M	G	0.00	0.00	8040.00
0	-1177	-1078	-1079	-1178	M	G	0.00	0.00	8040.00
0	-1178	-1079	-1080	-1179	M	G	0.00	0.00	8040.00
0	-1179	-1080	-30	-136	M	G	0.00	0.00	8040.00
0	-1187	-1192	-1193	-1189	M	G	0.00	0.00	8040.00
0	-1189	-1193	-1194	-1191	M	G	0.00	0.00	8040.00
0	-1191	-1194	-965	-29	M	G	0.00	0.00	8040.00
0	-1180	-1181	-1195	-1192	M	G	0.00	0.00	8040.00
0	-1192	-1195	-1196	-1193	M	G	0.00	0.00	8040.00
0	-1193	-1196	-1197	-1194	M	G	0.00	0.00	8040.00
0	-1194	-1197	-964	-965	M	G	0.00	0.00	8040.00
0	-1181	-1182	-1198	-1195	M	G	0.00	0.00	8040.00
0	-1195	-1198	-1199	-1196	M	G	0.00	0.00	8040.00
0	-1196	-1199	-1200	-1197	M	G	0.00	0.00	8040.00
0	-1197	-1200	-963	-964	M	G	0.00	0.00	8040.00
0	-1182	-1183	-1201	-1198	M	G	0.00	0.00	8040.00
0	-1198	-1201	-1202	-1199	M	G	0.00	0.00	8040.00
0	-1199	-1202	-1203	-1200	M	G	0.00	0.00	8040.00
0	-1200	-1203	-962	-963	M	G	0.00	0.00	8040.00
0	-1183	-1184	-1204	-1201	M	G	0.00	0.00	8040.00
0	37	-1208	-1209	-1206	M	G	0.00	0.00	8040.00
0	-1204	-1207	-1208	37	M	G	0.00	0.00	8040.00
0	-1203	-1206	-961	-962	M	G	0.00	0.00	8040.00
0	-1184	-1185	-1207	-1204	M	G	0.00	0.00	8040.00
0	-1202	37	-1206	-1203	M	G	0.00	0.00	8040.00
0	-1201	-1204	37	-1202	M	G	0.00	0.00	8040.00
0	-1206	-1209	-960	-961	M	G	0.00	0.00	8040.00
0	-1185	27	-1186	-1207	M	G	0.00	0.00	8040.00
0	-1207	-1186	-1188	-1208	M	G	0.00	0.00	8040.00
0	-1208	-1188	-1190	-1209	M	G	0.00	0.00	8040.00
0	-1209	-1190	3	-960	M	G	0.00	0.00	8040.00
0	-1190	-1188	-1211	-1210	M	G	0.00	0.00	8040.00
0	-1188	-1186	-1212	-1211	M	G	0.00	0.00	8040.00
0	-1186	27	11	-1212	M	G	0.00	0.00	8040.00
0	-1641	12	20	-309	M	G	0.00	0.00	8040.00
0	-1640	-1641	-309	-310	M	G	0.00	0.00	8040.00
0	-1639	-1640	-310	-311	M	G	0.00	0.00	8040.00
0	-240	-1383	-1384	-238	M	G	0.00	0.00	8040.00
0	-238	-1384	-1385	-236	M	G	0.00	0.00	8040.00
0	-236	-1385	-1131	2	M	G	0.00	0.00	8040.00
0	-1380	-1381	-1386	-1383	M	G	0.00	0.00	8040.00
0	-1383	-1386	-1387	-1384	M	G	0.00	0.00	8040.00
0	-1384	-1387	-1388	-1385	M	G	0.00	0.00	8040.00
0	-1385	-1388	-1130	-1131	M	G	0.00	0.00	8040.00
0	-1381	-1382	-1389	-1386	M	G	0.00	0.00	8040.00
0	-1386	-1389	-1390	-1387	M	G	0.00	0.00	8040.00
0	-1387	-1390	-1391	-1388	M	G	0.00	0.00	8040.00
0	-1388	-1391	-1129	-1130	M	G	0.00	0.00	8040.00
0	-1382	33	-1187	-1389	M	G	0.00	0.00	8040.00
0	-1389	-1187	-1189	-1390	M	G	0.00	0.00	8040.00
0	-1390	-1189	-1191	-1391	M	G	0.00	0.00	8040.00
0	-1391	-1191	-29	-1129	M	G	0.00	0.00	8040.00

Condizione di carico n. 3: spinta statica terreno
Carichi idrostatici

Simbologia

Bid. = Numero del muro/elemento bidimensionale
N1 = Nodo1
N2 = Nodo2
N3 = Nodo3
N4 = Nodo4
Zi = Coordinata Z globale d'inizio carico
QYi = Componente iniziale del carico in direzione Y locale dell'elemento bidimensionale
Zf = Coordinata Z globale di fine carico
QYf = Componente finale del carico in direzione Y locale dell'elemento bidimensionale

Bid.	N1	N2	N3	N4	Zi	QYi	Zf	QYf

Bid.	N1	N2	N3	N4	Zi	QYi	Zf	QYf

					<m>	<daN/m>	<m>	<daN/m>
0	5	-446	-1453	-399	0.15	3072.00	4.00	154.00
0	22	-257	-267	-262	0.15	3072.00	4.00	154.00
0	-1693	-1694	-1287	-1278	0.15	3072.00	4.00	154.00
0	-64	-71	-72	-66	0.15	3072.00	4.00	154.00
0	-68	-73	-74	-70	0.15	3072.00	4.00	154.00
0	-71	-75	-76	-72	0.15	3072.00	4.00	154.00
0	-73	-77	-78	-74	0.15	3072.00	4.00	154.00
0	-75	-79	-80	-76	0.15	3072.00	4.00	154.00
0	-77	-81	-82	-78	0.15	3072.00	4.00	154.00
0	-79	-83	-84	-80	0.15	3072.00	4.00	154.00
0	-81	-85	-86	-82	0.15	3072.00	4.00	154.00
0	-83	-87	-88	-84	0.15	3072.00	4.00	154.00
0	-85	-89	-90	-86	0.15	3072.00	4.00	154.00
0	-87	-91	-92	-88	0.15	3072.00	4.00	154.00
0	41	-98	-44	-42	0.15	3072.00	4.00	154.00
0	-91	-95	-96	-92	0.15	3072.00	4.00	154.00
0	-90	41	-42	-40	0.15	3072.00	4.00	154.00
0	-95	-99	-100	-96	0.15	3072.00	4.00	154.00
0	-97	-101	-102	-98	0.15	3072.00	4.00	154.00
0	-99	-103	-104	-100	0.15	3072.00	4.00	154.00
0	-101	-105	-106	-102	0.15	3072.00	4.00	154.00
0	-103	-107	-108	-104	0.15	3072.00	4.00	154.00
0	-105	-109	-110	-106	0.15	3072.00	4.00	154.00
0	-107	-111	-112	-108	0.15	3072.00	4.00	154.00
0	-109	-113	-114	-110	0.15	3072.00	4.00	154.00
0	-111	-115	-116	-112	0.15	3072.00	4.00	154.00
0	-113	-117	-118	-114	0.15	3072.00	4.00	154.00
0	-115	-119	-120	-116	0.15	3072.00	4.00	154.00
0	42	-126	-58	-56	0.15	3072.00	4.00	154.00
0	-119	-123	-124	-120	0.15	3072.00	4.00	154.00
0	-118	42	-56	-54	0.15	3072.00	4.00	154.00
0	-123	-127	-128	-124	0.15	3072.00	4.00	154.00
0	-125	-129	-130	-126	0.15	3072.00	4.00	154.00
0	-127	-131	-132	-128	0.15	3072.00	4.00	154.00
0	-129	-133	-134	-130	0.15	3072.00	4.00	154.00
0	-131	-63	-65	-132	0.15	3072.00	4.00	154.00
0	-133	-67	-69	-134	0.15	3072.00	4.00	154.00
0	-63	-171	-172	-65	0.15	3072.00	4.00	154.00
0	-67	-173	-174	-69	0.15	3072.00	4.00	154.00
0	-171	-175	-176	-172	0.15	3072.00	4.00	154.00
0	-173	-177	-178	-174	0.15	3072.00	4.00	154.00
0	-175	-179	-180	-176	0.15	3072.00	4.00	154.00
0	-177	-181	-182	-178	0.15	3072.00	4.00	154.00
0	-179	-183	-184	-180	0.15	3072.00	4.00	154.00
0	43	-190	-144	-142	0.15	3072.00	4.00	154.00
0	-183	-187	-188	-184	0.15	3072.00	4.00	154.00
0	-182	43	-142	-140	0.15	3072.00	4.00	154.00
0	-187	-191	-192	-188	0.15	3072.00	4.00	154.00
0	-189	-193	-194	-190	0.15	3072.00	4.00	154.00
0	-191	-195	-196	-192	0.15	3072.00	4.00	154.00
0	-193	-197	-198	-194	0.15	3072.00	4.00	154.00
0	-195	-199	-200	-196	0.15	3072.00	4.00	154.00
0	-197	-201	-202	-198	0.15	3072.00	4.00	154.00
0	-199	-203	-204	-200	0.15	3072.00	4.00	154.00
0	-201	-205	-206	-202	0.15	3072.00	4.00	154.00
0	-203	-207	-208	-204	0.15	3072.00	4.00	154.00
0	-205	-209	-210	-206	0.15	3072.00	4.00	154.00
0	-207	-211	-212	-208	0.15	3072.00	4.00	154.00
0	45	-218	-158	-156	0.15	3072.00	4.00	154.00
0	-211	-215	-216	-212	0.15	3072.00	4.00	154.00
0	-210	45	-156	-154	0.15	3072.00	4.00	154.00
0	-215	-219	-220	-216	0.15	3072.00	4.00	154.00
0	-217	-221	-222	-218	0.15	3072.00	4.00	154.00
0	-219	-223	-224	-220	0.15	3072.00	4.00	154.00
0	-221	-225	-226	-222	0.15	3072.00	4.00	154.00
0	-223	-227	-228	-224	0.15	3072.00	4.00	154.00
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0	-245	-249	-250	-246	0.15	3072.00	4.00	154.00
0	38	-256	-240	-238	0.15	3072.00	4.00	154.00
0	-249	-253	-254	-250	0.15	3072.00	4.00	154.00
0	-248	38	-238	-236	0.15	3072.00	4.00	154.00
0	-253	-241	-242	-254	0.15	3072.00	4.00	154.00

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0	6	-1213	-1340	-1333	0.15	3072.00	4.00	154.00
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0	-70	-74	-32	1	0.15	3072.00	4.00	154.00
0	-72	-76	-77	-73	0.15	3072.00	4.00	154.00
0	-74	-78	-34	-32	0.15	3072.00	4.00	154.00
0	-76	-80	-81	-77	0.15	3072.00	4.00	154.00
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0	-82	-86	-38	-36	0.15	3072.00	4.00	154.00
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0	-270	-273	-274	-271	0.15	3072.00	4.00	154.00
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0	-348	-352	-353	-349	0.15	3072.00	4.00	154.00
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0	-538	-547	-549	-540	0.15	3072.00	4.00	154.00
0	-542	-551	-451	-450	0.15	3072.00	4.00	154.00
0	-545	-554	-556	-547	0.15	3072.00	4.00	154.00
0	-549	-558	-560	-551	0.15	3072.00	4.00	154.00
0	-48	-50	-1663	-1662	0.15	3072.00	4.00	154.00
0	-556	-565	-567	-558	0.15	3072.00	4.00	154.00
0	-560	-569	-2	-452	0.15	3072.00	4.00	154.00
0	-563	-572	-574	-565	0.15	3072.00	4.00	154.00
0	-567	-576	-578	-569	0.15	3072.00	4.00	154.00
0	-52	-54	-1665	-1664	0.15	3072.00	4.00	154.00
0	-574	-583	-585	-576	0.15	3072.00	4.00	154.00
0	-578	-587	-9	-453	0.15	3072.00	4.00	154.00
0	-581	-590	-592	-583	0.15	3072.00	4.00	154.00
0	-585	-594	-596	-587	0.15	3072.00	4.00	154.00
0	-56	-58	-1667	-1666	0.15	3072.00	4.00	154.00
0	-592	-601	-603	-594	0.15	3072.00	4.00	154.00
0	-596	-605	-455	-454	0.15	3072.00	4.00	154.00
0	-599	-608	-610	-601	0.15	3072.00	4.00	154.00
0	-603	-612	-614	-605	0.15	3072.00	4.00	154.00
0	-60	-62	-1669	-1668	0.15	3072.00	4.00	154.00
0	-610	-619	-621	-612	0.15	3072.00	4.00	154.00
0	-614	-623	-457	-456	0.15	3072.00	4.00	154.00
0	-617	-626	-628	-619	0.15	3072.00	4.00	154.00
0	-621	-630	-632	-623	0.15	3072.00	4.00	154.00
0	-30	-136	-1671	-1670	0.15	3072.00	4.00	154.00
0	-628	-637	-639	-630	0.15	3072.00	4.00	154.00
0	-632	-641	-12	-7	0.15	3072.00	4.00	154.00
0	-635	-644	-646	-637	0.15	3072.00	4.00	154.00
0	-639	-648	-650	-641	0.15	3072.00	4.00	154.00
0	-138	-140	-1673	-1672	0.15	3072.00	4.00	154.00
0	-646	-655	-657	-648	0.15	3072.00	4.00	154.00
0	-650	-659	-458	-1	0.15	3072.00	4.00	154.00
0	-653	-662	-664	-655	0.15	3072.00	4.00	154.00
0	-657	-666	-668	-659	0.15	3072.00	4.00	154.00
0	-142	-144	-1675	-1674	0.15	3072.00	4.00	154.00
0	-664	-673	-675	-666	0.15	3072.00	4.00	154.00
0	-668	-677	-460	-459	0.15	3072.00	4.00	154.00
0	-671	-680	-682	-673	0.15	3072.00	4.00	154.00
0	-675	-684	-686	-677	0.15	3072.00	4.00	154.00
0	-146	-148	-1677	-1676	0.15	3072.00	4.00	154.00
0	-682	-691	-693	-684	0.15	3072.00	4.00	154.00
0	-686	-695	-461	-5	0.15	3072.00	4.00	154.00
0	-689	-698	-700	-691	0.15	3072.00	4.00	154.00
0	-693	-702	-704	-695	0.15	3072.00	4.00	154.00
0	-1697	-1698	-1224	-1314	0.15	3072.00	4.00	154.00
0	-698	-707	-709	-700	0.15	3072.00	4.00	154.00
0	-702	-711	-713	-704	0.15	3072.00	4.00	154.00
0	-1696	-1697	-1314	-1305	0.15	3072.00	4.00	154.00
0	-707	-716	-718	-709	0.15	3072.00	4.00	154.00
0	-711	-720	-722	-713	0.15	3072.00	4.00	154.00
0	-1695	-1696	-1305	-1296	0.15	3072.00	4.00	154.00
0	-716	-725	-727	-718	0.15	3072.00	4.00	154.00
0	-720	-729	-731	-722	0.15	3072.00	4.00	154.00
0	-1694	-1695	-1296	-1287	0.15	3072.00	4.00	154.00
0	-725	-734	-736	-727	0.15	3072.00	4.00	154.00
0	-729	-738	-740	-731	0.15	3072.00	4.00	154.00
0	-162	-164	-1685	-1684	0.15	3072.00	4.00	154.00
0	-736	-745	-747	-738	0.15	3072.00	4.00	154.00
0	-740	-749	-4	-465	0.15	3072.00	4.00	154.00
0	-743	-752	-754	-745	0.15	3072.00	4.00	154.00
0	-747	-756	-758	-749	0.15	3072.00	4.00	154.00
0	-166	2	-1687	-1686	0.15	3072.00	4.00	154.00
0	-754	-763	-765	-756	0.15	3072.00	4.00	154.00
0	-758	-767	-14	-16	0.15	3072.00	4.00	154.00
0	-158	-160	-1683	-1682	0.15	3072.00	4.00	154.00
0	-761	-770	-772	-763	0.15	3072.00	4.00	154.00
0	-763	-772	-774	-765	0.15	3072.00	4.00	154.00
0	-765	-774	-776	-767	0.15	3072.00	4.00	154.00
0	-767	-776	-466	-14	0.15	3072.00	4.00	154.00
0	-1681	-1682	-734	-725	0.15	3072.00	4.00	154.00
0	-1670	-1671	-635	-626	0.15	3072.00	4.00	154.00
0	-1659	-1660	-536	-527	0.15	3072.00	4.00	154.00
0	-1649	-1648	-364	-360	0.15	3072.00	4.00	154.00
0	-1691	-1692	-1269	-1260	0.15	3072.00	4.00	154.00
0	-1680	-1681	-725	-716	0.15	3072.00	4.00	154.00
0	-1669	-1670	-626	-617	0.15	3072.00	4.00	154.00
0	-1658	-1659	-527	-518	0.15	3072.00	4.00	154.00

0	-533	-542	-450	-8	0.15	3072.00	4.00	154.00
0	-536	-545	-547	-538	0.15	3072.00	4.00	154.00
0	-540	-549	-551	-542	0.15	3072.00	4.00	154.00
0	-46	-48	-1662	-1661	0.15	3072.00	4.00	154.00
0	-547	-556	-558	-549	0.15	3072.00	4.00	154.00
0	-551	-560	-452	-451	0.15	3072.00	4.00	154.00
0	-554	-563	-565	-556	0.15	3072.00	4.00	154.00
0	-558	-567	-569	-560	0.15	3072.00	4.00	154.00
0	-50	-52	-1664	-1663	0.15	3072.00	4.00	154.00
0	-565	-574	-576	-567	0.15	3072.00	4.00	154.00
0	-569	-578	-453	-2	0.15	3072.00	4.00	154.00
0	-572	-581	-583	-574	0.15	3072.00	4.00	154.00
0	-576	-585	-587	-578	0.15	3072.00	4.00	154.00
0	-54	-56	-1666	-1665	0.15	3072.00	4.00	154.00
0	-583	-592	-594	-585	0.15	3072.00	4.00	154.00
0	-587	-596	-454	-9	0.15	3072.00	4.00	154.00
0	-590	-599	-601	-592	0.15	3072.00	4.00	154.00
0	-594	-603	-605	-596	0.15	3072.00	4.00	154.00
0	-58	-60	-1668	-1667	0.15	3072.00	4.00	154.00
0	-601	-610	-612	-603	0.15	3072.00	4.00	154.00
0	-605	-614	-456	-455	0.15	3072.00	4.00	154.00
0	-608	-617	-619	-610	0.15	3072.00	4.00	154.00
0	-612	-621	-623	-614	0.15	3072.00	4.00	154.00
0	-62	-30	-1670	-1669	0.15	3072.00	4.00	154.00
0	-619	-628	-630	-621	0.15	3072.00	4.00	154.00
0	-623	-632	-7	-457	0.15	3072.00	4.00	154.00
0	-626	-635	-637	-628	0.15	3072.00	4.00	154.00
0	-630	-639	-641	-632	0.15	3072.00	4.00	154.00
0	-136	-138	-1672	-1671	0.15	3072.00	4.00	154.00
0	-637	-646	-648	-639	0.15	3072.00	4.00	154.00
0	-641	-650	-1	-12	0.15	3072.00	4.00	154.00
0	-644	-653	-655	-646	0.15	3072.00	4.00	154.00
0	-648	-657	-659	-650	0.15	3072.00	4.00	154.00
0	-140	-142	-1674	-1673	0.15	3072.00	4.00	154.00
0	-655	-664	-666	-657	0.15	3072.00	4.00	154.00
0	-659	-668	-459	-458	0.15	3072.00	4.00	154.00
0	-662	-671	-673	-664	0.15	3072.00	4.00	154.00
0	-666	-675	-677	-668	0.15	3072.00	4.00	154.00
0	-144	-146	-1676	-1675	0.15	3072.00	4.00	154.00
0	-673	-682	-684	-675	0.15	3072.00	4.00	154.00
0	-677	-686	-5	-460	0.15	3072.00	4.00	154.00
0	-680	-689	-691	-682	0.15	3072.00	4.00	154.00
0	-684	-693	-695	-686	0.15	3072.00	4.00	154.00
0	-148	-150	-1678	-1677	0.15	3072.00	4.00	154.00
0	-691	-700	-702	-693	0.15	3072.00	4.00	154.00
0	-695	-704	-3	-461	0.15	3072.00	4.00	154.00
0	-150	-152	-1679	-1678	0.15	3072.00	4.00	154.00
0	-700	-709	-711	-702	0.15	3072.00	4.00	154.00
0	-704	-713	-462	-3	0.15	3072.00	4.00	154.00
0	-152	-154	-1680	-1679	0.15	3072.00	4.00	154.00
0	-709	-718	-720	-711	0.15	3072.00	4.00	154.00
0	-713	-722	-463	-462	0.15	3072.00	4.00	154.00
0	-154	-156	-1681	-1680	0.15	3072.00	4.00	154.00
0	-718	-727	-729	-720	0.15	3072.00	4.00	154.00
0	-722	-731	-464	-463	0.15	3072.00	4.00	154.00
0	-156	-158	-1682	-1681	0.15	3072.00	4.00	154.00
0	-727	-736	-738	-729	0.15	3072.00	4.00	154.00
0	-731	-740	-465	-464	0.15	3072.00	4.00	154.00
0	-734	-743	-745	-736	0.15	3072.00	4.00	154.00
0	-738	-747	-749	-740	0.15	3072.00	4.00	154.00
0	-164	-166	-1686	-1685	0.15	3072.00	4.00	154.00
0	-745	-754	-756	-747	0.15	3072.00	4.00	154.00
0	-749	-758	-16	-4	0.15	3072.00	4.00	154.00
0	-752	-761	-763	-754	0.15	3072.00	4.00	154.00
0	-756	-765	-767	-758	0.15	3072.00	4.00	154.00
0	-160	-162	-1684	-1683	0.15	3072.00	4.00	154.00
0	-1682	-1683	-743	-734	0.15	3072.00	4.00	154.00
0	-1671	-1672	-644	-635	0.15	3072.00	4.00	154.00
0	-1660	-1661	-545	-536	0.15	3072.00	4.00	154.00
0	-1650	-1649	-360	-356	0.15	3072.00	4.00	154.00
0	-1692	-1693	-1278	-1269	0.15	3072.00	4.00	154.00
0	-770	-469	-472	-772	0.15	3072.00	4.00	154.00
0	-772	-472	-475	-774	0.15	3072.00	4.00	154.00
0	-774	-475	-478	-776	0.15	3072.00	4.00	154.00
0	-776	-478	6	-466	0.15	3072.00	4.00	154.00
0	2	-1131	-1688	-1687	0.15	3072.00	4.00	154.00
0	-469	-1233	-1235	-472	0.15	3072.00	4.00	154.00
0	-472	-1235	-1237	-475	0.15	3072.00	4.00	154.00
0	-475	-1237	-1239	-478	0.15	3072.00	4.00	154.00

Relazione di calcolo

0	-1648	-1647	-368	-364	0.15	3072.00	4.00	154.00
0	-1690	-1691	-1260	-1251	0.15	3072.00	4.00	154.00
0	-1679	-1680	-716	-707	0.15	3072.00	4.00	154.00
0	-1668	-1669	-617	-608	0.15	3072.00	4.00	154.00
0	-1657	-1658	-518	-509	0.15	3072.00	4.00	154.00
0	-1647	-1646	-372	-368	0.15	3072.00	4.00	154.00
0	-1689	-1690	-1251	-1242	0.15	3072.00	4.00	154.00
0	-1678	-1679	-707	-698	0.15	3072.00	4.00	154.00
0	-1667	-1668	-608	-599	0.15	3072.00	4.00	154.00
0	-1656	-1657	-509	-500	0.15	3072.00	4.00	154.00
0	-1646	-1645	-376	-372	0.15	3072.00	4.00	154.00
0	-1688	-1689	-1242	-1233	0.15	3072.00	4.00	154.00
0	-1677	-1678	-698	-689	0.15	3072.00	4.00	154.00
0	-1666	-1667	-599	-590	0.15	3072.00	4.00	154.00
0	-1655	-1656	-500	-491	0.15	3072.00	4.00	154.00
0	-1645	-1644	-380	-376	0.15	3072.00	4.00	154.00
0	-1687	-1688	-1233	-469	0.15	3072.00	4.00	154.00
0	-1676	-1677	-689	-680	0.15	3072.00	4.00	154.00
0	-1665	-1666	-590	-581	0.15	3072.00	4.00	154.00
0	-1654	-1655	-491	-482	0.15	3072.00	4.00	154.00
0	-1644	-1643	-384	-380	0.15	3072.00	4.00	154.00
0	-1686	-1687	-469	-770	0.15	3072.00	4.00	154.00
0	-1675	-1676	-680	-671	0.15	3072.00	4.00	154.00
0	-1664	-1665	-581	-572	0.15	3072.00	4.00	154.00
0	-1653	-1654	-482	-341	0.15	3072.00	4.00	154.00
0	-1643	-1642	-340	-384	0.15	3072.00	4.00	154.00
0	-1685	-1686	-770	-761	0.15	3072.00	4.00	154.00
0	-1674	-1675	-671	-662	0.15	3072.00	4.00	154.00
0	-1663	-1664	-572	-563	0.15	3072.00	4.00	154.00
0	-1653	-1652	-348	-341	0.15	3072.00	4.00	154.00
0	-1284	-1293	-1219	-1218	0.15	3072.00	4.00	154.00
0	-963	-962	-1695	-1694	0.15	3072.00	4.00	154.00
0	-1287	-1296	-1298	-1289	0.15	3072.00	4.00	154.00
0	-1289	-1298	-1300	-1291	0.15	3072.00	4.00	154.00
0	-1291	-1300	-1302	-1293	0.15	3072.00	4.00	154.00
0	-1683	-1684	-752	-743	0.15	3072.00	4.00	154.00
0	-1672	-1673	-653	-644	0.15	3072.00	4.00	154.00
0	-1661	-1662	-554	-545	0.15	3072.00	4.00	154.00
0	-1651	-1650	-356	-352	0.15	3072.00	4.00	154.00
0	-1302	-1311	-1221	-1220	0.15	3072.00	4.00	154.00
0	-961	-960	-1697	-1696	0.15	3072.00	4.00	154.00
0	-1305	-1314	-1316	-1307	0.15	3072.00	4.00	154.00
0	-1307	-1316	-1318	-1309	0.15	3072.00	4.00	154.00
0	-1309	-1318	-1320	-1311	0.15	3072.00	4.00	154.00
0	-1311	-1320	-1222	-1221	0.15	3072.00	4.00	154.00
0	-1335	-1341	-1342	-1337	0.15	3072.00	4.00	154.00
0	-1339	-1343	-1322	8	0.15	3072.00	4.00	154.00
0	-1340	-1344	-1345	-1341	0.15	3072.00	4.00	154.00
0	-1342	-1346	-1347	-1343	0.15	3072.00	4.00	154.00
0	-1214	-1215	-1348	-1344	0.15	3072.00	4.00	154.00
0	-1345	-1349	-1350	-1346	0.15	3072.00	4.00	154.00
0	-1347	-1351	-1324	-1323	0.15	3072.00	4.00	154.00
0	-1348	-1352	-1353	-1349	0.15	3072.00	4.00	154.00
0	-1350	-1354	-1355	-1351	0.15	3072.00	4.00	154.00
0	-1216	-1217	-1356	-1352	0.15	3072.00	4.00	154.00
0	-1353	-1357	-1358	-1354	0.15	3072.00	4.00	154.00
0	-1355	-1359	-1326	-1325	0.15	3072.00	4.00	154.00
0	-1356	-1360	-1361	-1357	0.15	3072.00	4.00	154.00
0	-1358	-1362	-1363	-1359	0.15	3072.00	4.00	154.00
0	-1218	-1219	-1364	-1360	0.15	3072.00	4.00	154.00
0	-1361	-1365	-1366	-1362	0.15	3072.00	4.00	154.00
0	-1363	-1367	-1328	-1327	0.15	3072.00	4.00	154.00
0	-1364	-1368	-1369	-1365	0.15	3072.00	4.00	154.00
0	-1366	-1370	-1371	-1367	0.15	3072.00	4.00	154.00
0	-1220	-1221	-1372	-1368	0.15	3072.00	4.00	154.00
0	-1369	-1373	-1374	-1370	0.15	3072.00	4.00	154.00
0	-1371	-1375	-1330	-1329	0.15	3072.00	4.00	154.00
0	-1372	-1376	-1377	-1373	0.15	3072.00	4.00	154.00
0	-1374	-1378	-1379	-1375	0.15	3072.00	4.00	154.00
0	-1222	-24	-1332	-1376	0.15	3072.00	4.00	154.00
0	-1377	-1334	-1336	-1378	0.15	3072.00	4.00	154.00
0	-1379	-1338	10	-1331	0.15	3072.00	4.00	154.00
0	-401	-1454	-1455	-403	0.15	3072.00	4.00	154.00
0	-405	-1456	-1392	7	0.15	3072.00	4.00	154.00
0	-1453	-1457	-1458	-1454	0.15	3072.00	4.00	154.00
0	-1455	-1459	-1460	-1456	0.15	3072.00	4.00	154.00
0	-447	-448	-1461	-1457	0.15	3072.00	4.00	154.00
0	-1458	-1462	-1463	-1459	0.15	3072.00	4.00	154.00
0	-1460	-1464	-1394	-1393	0.15	3072.00	4.00	154.00

0	-478	-1239	-1213	6	0.15	3072.00	4.00	154.00
0	-1131	-1130	-1689	-1688	0.15	3072.00	4.00	154.00
0	-1233	-1242	-1244	-1235	0.15	3072.00	4.00	154.00
0	-1235	-1244	-1246	-1237	0.15	3072.00	4.00	154.00
0	-1237	-1246	-1248	-1239	0.15	3072.00	4.00	154.00
0	-1239	-1248	-1214	-1213	0.15	3072.00	4.00	154.00
0	-1130	-1129	-1690	-1689	0.15	3072.00	4.00	154.00
0	-1242	-1251	-1253	-1244	0.15	3072.00	4.00	154.00
0	-1244	-1253	-1255	-1246	0.15	3072.00	4.00	154.00
0	-1246	-1255	-1257	-1248	0.15	3072.00	4.00	154.00
0	-1248	-1257	-1215	-1214	0.15	3072.00	4.00	154.00
0	-1129	-29	-1691	-1690	0.15	3072.00	4.00	154.00
0	-1251	-1260	-1262	-1253	0.15	3072.00	4.00	154.00
0	-1253	-1262	-1264	-1255	0.15	3072.00	4.00	154.00
0	-1255	-1264	-1266	-1257	0.15	3072.00	4.00	154.00
0	-1257	-1266	-1216	-1215	0.15	3072.00	4.00	154.00
0	-29	-965	-1692	-1691	0.15	3072.00	4.00	154.00
0	-1260	-1269	-1271	-1262	0.15	3072.00	4.00	154.00
0	-1262	-1271	-1273	-1264	0.15	3072.00	4.00	154.00
0	-1264	-1273	-1275	-1266	0.15	3072.00	4.00	154.00
0	-1266	-1275	-1217	-1216	0.15	3072.00	4.00	154.00
0	-965	-964	-1693	-1692	0.15	3072.00	4.00	154.00
0	-1269	-1278	-1280	-1271	0.15	3072.00	4.00	154.00
0	-1271	-1280	-1282	-1273	0.15	3072.00	4.00	154.00
0	-1273	-1282	-1284	-1275	0.15	3072.00	4.00	154.00
0	-1275	-1284	-1218	-1217	0.15	3072.00	4.00	154.00
0	-964	-963	-1694	-1693	0.15	3072.00	4.00	154.00
0	-1278	-1287	-1289	-1280	0.15	3072.00	4.00	154.00
0	-1280	-1289	-1291	-1282	0.15	3072.00	4.00	154.00
0	-1282	-1291	-1293	-1284	0.15	3072.00	4.00	154.00
0	-1684	-1685	-761	-752	0.15	3072.00	4.00	154.00
0	-1673	-1674	-662	-653	0.15	3072.00	4.00	154.00
0	-1662	-1663	-563	-554	0.15	3072.00	4.00	154.00
0	-1652	-1651	-352	-348	0.15	3072.00	4.00	154.00
0	-1293	-1302	-1220	-1219	0.15	3072.00	4.00	154.00
0	-962	-961	-1696	-1695	0.15	3072.00	4.00	154.00
0	-1296	-1305	-1307	-1298	0.15	3072.00	4.00	154.00
0	-1298	-1307	-1309	-1300	0.15	3072.00	4.00	154.00
0	-1300	-1309	-1311	-1302	0.15	3072.00	4.00	154.00
0	-960	3	-1698	-1697	0.15	3072.00	4.00	154.00
0	-1314	-1224	-1226	-1316	0.15	3072.00	4.00	154.00
0	-1316	-1226	-1228	-1318	0.15	3072.00	4.00	154.00
0	-1318	-1228	-1230	-1320	0.15	3072.00	4.00	154.00
0	-1320	-1230	-24	-1222	0.15	3072.00	4.00	154.00
0	-1333	-1340	-1341	-1335	0.15	3072.00	4.00	154.00
0	-1337	-1342	-1343	-1339	0.15	3072.00	4.00	154.00
0	-1213	-1214	-1344	-1340	0.15	3072.00	4.00	154.00
0	-1341	-1345	-1346	-1342	0.15	3072.00	4.00	154.00
0	-1343	-1347	-1323	-1322	0.15	3072.00	4.00	154.00
0	-1344	-1348	-1349	-1345	0.15	3072.00	4.00	154.00
0	-1346	-1350	-1351	-1347	0.15	3072.00	4.00	154.00
0	-1215	-1216	-1352	-1348	0.15	3072.00	4.00	154.00
0	-1349	-1353	-1354	-1350	0.15	3072.00	4.00	154.00
0	-1351	-1355	-1325	-1324	0.15	3072.00	4.00	154.00
0	-1352	-1356	-1357	-1353	0.15	3072.00	4.00	154.00
0	-1354	-1358	-1359	-1355	0.15	3072.00	4.00	154.00
0	-1217	-1218	-1360	-1356	0.15	3072.00	4.00	154.00
0	-1357	-1361	-1362	-1358	0.15	3072.00	4.00	154.00
0	-1359	-1363	-1327	-1326	0.15	3072.00	4.00	154.00
0	-1360	-1364	-1365	-1361	0.15	3072.00	4.00	154.00
0	-1362	-1366	-1367	-1363	0.15	3072.00	4.00	154.00
0	-1219	-1220	-1368	-1364	0.15	3072.00	4.00	154.00
0	-1365	-1369	-1370	-1366	0.15	3072.00	4.00	154.00
0	-1367	-1371	-1329	-1328	0.15	3072.00	4.00	154.00
0	-1368	-1372	-1373	-1369	0.15	3072.00	4.00	154.00
0	-1370	-1374	-1375	-1371	0.15	3072.00	4.00	154.00
0	-1221	-1222	-1376	-1372	0.15	3072.00	4.00	154.00
0	-1373	-1377	-1378	-1374	0.15	3072.00	4.00	154.00
0	-1375	-1379	-1331	-1330	0.15	3072.00	4.00	154.00
0	-1376	-1332	-1334	-1377	0.15	3072.00	4.00	154.00
0	-1378	-1336	-1338	-1379	0.15	3072.00	4.00	154.00
0	-399	-1453	-1454	-401	0.15	3072.00	4.00	154.00
0	-403	-1455	-1456	-405	0.15	3072.00	4.00	154.00
0	-446	-447	-1457	-1453	0.15	3072.00	4.00	154.00
0	-1454	-1458	-1459	-1455	0.15	3072.00	4.00	154.00
0	-1456	-1460	-1393	-1392	0.15	3072.00	4.00	154.00
0	-1457	-1461	-1462	-1458	0.15	3072.00	4.00	154.00
0	-1459	-1463	-1464	-1460	0.15	3072.00	4.00	154.00
0	-448	-6	-1465	-1461	0.15	3072.00	4.00	154.00

0	-1461	-1465	-1466	-1462	0.15	3072.00	4.00	154.00
0	-1463	-1467	-1468	-1464	0.15	3072.00	4.00	154.00
0	-1468	-1476	-1398	-1395	0.15	3072.00	4.00	154.00
0	-1465	-1473	-1474	-1466	0.15	3072.00	4.00	154.00
0	-1467	-1475	-1476	-1468	0.15	3072.00	4.00	154.00
0	-1473	-1481	-1482	-1474	0.15	3072.00	4.00	154.00
0	-1475	-1483	-1484	-1476	0.15	3072.00	4.00	154.00
0	-1484	-1492	-1404	-1401	0.15	3072.00	4.00	154.00
0	-1481	-1489	-1490	-1482	0.15	3072.00	4.00	154.00
0	-1483	-1491	-1492	-1484	0.15	3072.00	4.00	154.00
0	-1489	-1497	-1498	-1490	0.15	3072.00	4.00	154.00
0	-1491	-1499	-1500	-1492	0.15	3072.00	4.00	154.00
0	-451	-452	-1505	-1497	0.15	3072.00	4.00	154.00
0	-1498	-1506	-1507	-1499	0.15	3072.00	4.00	154.00
0	-1500	-1508	-1410	-1407	0.15	3072.00	4.00	154.00
0	-1505	-1513	-1514	-1506	0.15	3072.00	4.00	154.00
0	-1507	-1515	-1516	-1508	0.15	3072.00	4.00	154.00
0	-2	-453	-1517	-1513	0.15	3072.00	4.00	154.00
0	-1514	-1518	-1519	-1515	0.15	3072.00	4.00	154.00
0	-1516	-1520	-1414	-1413	0.15	3072.00	4.00	154.00
0	-1517	-1521	-1522	-1518	0.15	3072.00	4.00	154.00
0	-1519	-1523	-1524	-1520	0.15	3072.00	4.00	154.00
0	-9	-454	-1525	-1521	0.15	3072.00	4.00	154.00
0	-1522	-1526	-1527	-1523	0.15	3072.00	4.00	154.00
0	-1524	-1528	-1416	-1415	0.15	3072.00	4.00	154.00
0	-1525	-1529	-1530	-1526	0.15	3072.00	4.00	154.00
0	-1527	-1531	-1532	-1528	0.15	3072.00	4.00	154.00
0	-455	-456	-1533	-1529	0.15	3072.00	4.00	154.00
0	-1530	-1534	-1535	-1531	0.15	3072.00	4.00	154.00
0	-1532	-1536	-1418	-1417	0.15	3072.00	4.00	154.00
0	-1533	-1537	-1538	-1534	0.15	3072.00	4.00	154.00
0	-1535	-1539	-1540	-1536	0.15	3072.00	4.00	154.00
0	-457	-7	-1541	-1537	0.15	3072.00	4.00	154.00
0	-1538	-1542	-1543	-1539	0.15	3072.00	4.00	154.00
0	-1540	-1544	-1420	-1419	0.15	3072.00	4.00	154.00
0	-1541	-1545	-1546	-1542	0.15	3072.00	4.00	154.00
0	-1543	-1547	-1548	-1544	0.15	3072.00	4.00	154.00
0	-12	-1	-1549	-1545	0.15	3072.00	4.00	154.00
0	-1546	-1550	-1551	-1547	0.15	3072.00	4.00	154.00
0	-1548	-1552	-1422	-1421	0.15	3072.00	4.00	154.00
0	-1549	-1557	-1558	-1550	0.15	3072.00	4.00	154.00
0	-1551	-1559	-1560	-1552	0.15	3072.00	4.00	154.00
0	-458	-459	-1565	-1557	0.15	3072.00	4.00	154.00
0	-1558	-1566	-1567	-1559	0.15	3072.00	4.00	154.00
0	-1560	-1568	-1428	-1425	0.15	3072.00	4.00	154.00
0	-1565	-1573	-1574	-1566	0.15	3072.00	4.00	154.00
0	-1567	-1575	-1576	-1568	0.15	3072.00	4.00	154.00
0	-1576	-1584	-1434	-1431	0.15	3072.00	4.00	154.00
0	-1573	-1581	-1582	-1574	0.15	3072.00	4.00	154.00
0	-1575	-1583	-1584	-1576	0.15	3072.00	4.00	154.00
0	-1581	-1585	-1586	-1582	0.15	3072.00	4.00	154.00
0	-1583	-1587	-1588	-1584	0.15	3072.00	4.00	154.00
0	-461	-3	-1589	-1585	0.15	3072.00	4.00	154.00
0	-1586	-1590	-1591	-1587	0.15	3072.00	4.00	154.00
0	-1588	-1592	-1436	-1435	0.15	3072.00	4.00	154.00
0	-1589	-1593	-1594	-1590	0.15	3072.00	4.00	154.00
0	-1591	-1595	-1596	-1592	0.15	3072.00	4.00	154.00
0	-462	-463	-1597	-1593	0.15	3072.00	4.00	154.00
0	-1594	-1598	-1599	-1595	0.15	3072.00	4.00	154.00
0	-1596	-1600	-1438	-1437	0.15	3072.00	4.00	154.00
0	-1597	-1601	-1602	-1598	0.15	3072.00	4.00	154.00
0	-1599	-1603	-1604	-1600	0.15	3072.00	4.00	154.00
0	-464	-465	-1605	-1601	0.15	3072.00	4.00	154.00
0	-1602	-1606	-1607	-1603	0.15	3072.00	4.00	154.00
0	-1604	-1608	-1440	-1439	0.15	3072.00	4.00	154.00
0	-1605	-1609	-1610	-1606	0.15	3072.00	4.00	154.00
0	-1607	-1611	-1612	-1608	0.15	3072.00	4.00	154.00
0	-4	-16	-1617	-1609	0.15	3072.00	4.00	154.00
0	-1610	-1618	-1619	-1611	0.15	3072.00	4.00	154.00
0	-1612	-1620	-1444	-1441	0.15	3072.00	4.00	154.00
0	-1617	-1625	-1626	-1618	0.15	3072.00	4.00	154.00
0	-1619	-1627	-1628	-1620	0.15	3072.00	4.00	154.00
0	-14	-466	-1633	-1625	0.15	3072.00	4.00	154.00
0	-1626	-1634	-1635	-1627	0.15	3072.00	4.00	154.00
0	-1628	-1636	-1450	-1447	0.15	3072.00	4.00	154.00
0	-466	6	-1333	-1633	0.15	3072.00	4.00	154.00
0	-1634	-1335	-1337	-1635	0.15	3072.00	4.00	154.00

0	-1462	-1466	-1467	-1463	0.15	3072.00	4.00	154.00
0	-1464	-1468	-1395	-1394	0.15	3072.00	4.00	154.00
0	-6	-449	-1473	-1465	0.15	3072.00	4.00	154.00
0	-1466	-1474	-1475	-1467	0.15	3072.00	4.00	154.00
0	-449	-8	-1481	-1473	0.15	3072.00	4.00	154.00
0	-1474	-1482	-1483	-1475	0.15	3072.00	4.00	154.00
0	-1476	-1484	-1401	-1398	0.15	3072.00	4.00	154.00
0	-8	-450	-1489	-1481	0.15	3072.00	4.00	154.00
0	-1482	-1490	-1491	-1483	0.15	3072.00	4.00	154.00
0	-450	-451	-1497	-1489	0.15	3072.00	4.00	154.00
0	-1490	-1498	-1499	-1491	0.15	3072.00	4.00	154.00
0	-1492	-1500	-1407	-1404	0.15	3072.00	4.00	154.00
0	-1497	-1505	-1506	-1498	0.15	3072.00	4.00	154.00
0	-1499	-1507	-1508	-1500	0.15	3072.00	4.00	154.00
0	-452	-2	-1513	-1505	0.15	3072.00	4.00	154.00
0	-1506	-1514	-1515	-1507	0.15	3072.00	4.00	154.00
0	-1508	-1516	-1413	-1410	0.15	3072.00	4.00	154.00
0	-1513	-1517	-1518	-1514	0.15	3072.00	4.00	154.00
0	-1515	-1519	-1520	-1516	0.15	3072.00	4.00	154.00
0	-453	-9	-1521	-1517	0.15	3072.00	4.00	154.00
0	-1518	-1522	-1523	-1519	0.15	3072.00	4.00	154.00
0	-1520	-1524	-1415	-1414	0.15	3072.00	4.00	154.00
0	-1521	-1525	-1526	-1522	0.15	3072.00	4.00	154.00
0	-1523	-1527	-1528	-1524	0.15	3072.00	4.00	154.00
0	-454	-455	-1529	-1525	0.15	3072.00	4.00	154.00
0	-1526	-1530	-1531	-1527	0.15	3072.00	4.00	154.00
0	-1528	-1532	-1417	-1416	0.15	3072.00	4.00	154.00
0	-1529	-1533	-1534	-1530	0.15	3072.00	4.00	154.00
0	-1531	-1535	-1536	-1532	0.15	3072.00	4.00	154.00
0	-456	-457	-1537	-1533	0.15	3072.00	4.00	154.00
0	-1534	-1538	-1539	-1535	0.15	3072.00	4.00	154.00
0	-1536	-1540	-1419	-1418	0.15	3072.00	4.00	154.00
0	-1537	-1541	-1542	-1538	0.15	3072.00	4.00	154.00
0	-1539	-1543	-1544	-1540	0.15	3072.00	4.00	154.00
0	-7	-12	-1545	-1541	0.15	3072.00	4.00	154.00
0	-1542	-1546	-1547	-1543	0.15	3072.00	4.00	154.00
0	-1544	-1548	-1421	-1420	0.15	3072.00	4.00	154.00
0	-1545	-1549	-1550	-1546	0.15	3072.00	4.00	154.00
0	-1547	-1551	-1552	-1548	0.15	3072.00	4.00	154.00
0	-1	-458	-1557	-1549	0.15	3072.00	4.00	154.00
0	-1550	-1558	-1559	-1551	0.15	3072.00	4.00	154.00
0	-1552	-1560	-1425	-1422	0.15	3072.00	4.00	154.00
0	-1557	-1565	-1566	-1558	0.15	3072.00	4.00	154.00
0	-1559	-1567	-1568	-1560	0.15	3072.00	4.00	154.00
0	-459	-460	-1573	-1565	0.15	3072.00	4.00	154.00
0	-1566	-1574	-1575	-1567	0.15	3072.00	4.00	154.00
0	-1568	-1576	-1431	-1428	0.15	3072.00	4.00	154.00
0	-460	-5	-1581	-1573	0.15	3072.00	4.00	154.00
0	-1574	-1582	-1583	-1575	0.15	3072.00	4.00	154.00
0	-5	-461	-1585	-1581	0.15	3072.00	4.00	154.00
0	-1582	-1586	-1587	-1583	0.15	3072.00	4.00	154.00
0	-1584	-1588	-1435	-1434	0.15	3072.00	4.00	154.00
0	-1585	-1589	-1590	-1586	0.15	3072.00	4.00	154.00
0	-1587	-1591	-1592	-1588	0.15	3072.00	4.00	154.00
0	-3	-462	-1593	-1589	0.15	3072.00	4.00	154.00
0	-1590	-1594	-1595	-1591	0.15	3072.00	4.00	154.00
0	-1592	-1596	-1437	-1436	0.15	3072.00	4.00	154.00
0	-1593	-1597	-1598	-1594	0.15	3072.00	4.00	154.00
0	-1595	-1599	-1600	-1596	0.15	3072.00	4.00	154.00
0	-463	-464	-1601	-1597	0.15	3072.00	4.00	154.00
0	-1598	-1602	-1603	-1599	0.15	3072.00	4.00	154.00
0	-1600	-1604	-1439	-1438	0.15	3072.00	4.00	154.00
0	-1601	-1605	-1606	-1602	0.15	3072.00	4.00	154.00
0	-1603	-1607	-1608	-1604	0.15	3072.00	4.00	154.00
0	-465	-4	-1609	-1605	0.15	3072.00	4.00	154.00
0	-1606	-1610	-1611	-1607	0.15	3072.00	4.00	154.00
0	-1608	-1612	-1441	-1440	0.15	3072.00	4.00	154.00
0	-1609	-1617	-1618	-1610	0.15	3072.00	4.00	154.00
0	-1611	-1619	-1620	-1612	0.15	3072.00	4.00	154.00
0	-16	-14	-1625	-1617	0.15	3072.00	4.00	154.00
0	-1618	-1626	-1627	-1619	0.15	3072.00	4.00	154.00
0	-1620	-1628	-1447	-1444	0.15	3072.00	4.00	154.00
0	-1625	-1633	-1634	-1626	0.15	3072.00	4.00	154.00
0	-1627	-1635	-1636	-1628	0.15	3072.00	4.00	154.00
0	-1636	-1339	8	-1450	0.15	3072.00	4.00	154.00
0	-1633	-1333	-1335	-1634	0.15	3072.00	4.00	154.00
0	-1635	-1337	-1339	-1636	0.15	3072.00	4.00	154.00

Condizione di carico n. 4: spinta sovraccarico

Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	5	-446	-1453	-399	M	L	0.00	768.00	0.00
0	5	-330	-406	-399	M	L	0.00	-768.00	0.00
0	-1693	-1694	-1287	-1278	M	L	0.00	768.00	0.00
0	6	-1213	-1340	-1333	M	L	0.00	768.00	0.00
0	-341	-348	-349	-343	M	L	0.00	-768.00	0.00
0	-343	-349	-350	-345	M	L	0.00	-768.00	0.00
0	-345	-350	-351	-347	M	L	0.00	-768.00	0.00
0	-347	-351	-330	5	M	L	0.00	-768.00	0.00
0	-348	-352	-353	-349	M	L	0.00	-768.00	0.00
0	-349	-353	-354	-350	M	L	0.00	-768.00	0.00
0	-350	-354	-355	-351	M	L	0.00	-768.00	0.00
0	-351	-355	-331	-330	M	L	0.00	-768.00	0.00
0	-352	-356	-357	-353	M	L	0.00	-768.00	0.00
0	-353	-357	-358	-354	M	L	0.00	-768.00	0.00
0	-354	-358	-359	-355	M	L	0.00	-768.00	0.00
0	-355	-359	-332	-331	M	L	0.00	-768.00	0.00
0	-356	-360	-361	-357	M	L	0.00	-768.00	0.00
0	-357	-361	-362	-358	M	L	0.00	-768.00	0.00
0	-358	-362	-363	-359	M	L	0.00	-768.00	0.00
0	-359	-363	-333	-332	M	L	0.00	-768.00	0.00
0	-360	-364	-365	-361	M	L	0.00	-768.00	0.00
0	-361	-365	-366	-362	M	L	0.00	-768.00	0.00
0	-362	-366	-367	-363	M	L	0.00	-768.00	0.00
0	-363	-367	-334	-333	M	L	0.00	-768.00	0.00
0	-364	-368	-369	-365	M	L	0.00	-768.00	0.00
0	-365	-369	-370	-366	M	L	0.00	-768.00	0.00
0	-366	-370	-371	-367	M	L	0.00	-768.00	0.00
0	-367	-371	-335	-334	M	L	0.00	-768.00	0.00
0	-368	-372	-373	-369	M	L	0.00	-768.00	0.00
0	-369	-373	-374	-370	M	L	0.00	-768.00	0.00
0	-370	-374	-375	-371	M	L	0.00	-768.00	0.00
0	-371	-375	-336	-335	M	L	0.00	-768.00	0.00
0	-372	-376	-377	-373	M	L	0.00	-768.00	0.00
0	-373	-377	-378	-374	M	L	0.00	-768.00	0.00
0	-374	-378	-379	-375	M	L	0.00	-768.00	0.00
0	-375	-379	-337	-336	M	L	0.00	-768.00	0.00
0	-376	-380	-381	-377	M	L	0.00	-768.00	0.00
0	-377	-381	-382	-378	M	L	0.00	-768.00	0.00
0	-378	-382	-383	-379	M	L	0.00	-768.00	0.00
0	-379	-383	-338	-337	M	L	0.00	-768.00	0.00
0	-380	-384	-385	-381	M	L	0.00	-768.00	0.00
0	-381	-385	-386	-382	M	L	0.00	-768.00	0.00
0	-382	-386	-387	-383	M	L	0.00	-768.00	0.00
0	-383	-387	-339	-338	M	L	0.00	-768.00	0.00
0	-384	-340	-342	-385	M	L	0.00	-768.00	0.00
0	-385	-342	-344	-386	M	L	0.00	-768.00	0.00
0	-386	-344	-346	-387	M	L	0.00	-768.00	0.00
0	-387	-346	-20	-339	M	L	0.00	-768.00	0.00
0	-399	-406	-407	-401	M	L	0.00	-768.00	0.00
0	-401	-407	-408	-403	M	L	0.00	-768.00	0.00
0	-403	-408	-409	-405	M	L	0.00	-768.00	0.00
0	-405	-409	-388	7	M	L	0.00	-768.00	0.00
0	-330	-331	-410	-406	M	L	0.00	-768.00	0.00
0	-406	-410	-411	-407	M	L	0.00	-768.00	0.00
0	-407	-411	-412	-408	M	L	0.00	-768.00	0.00
0	-408	-412	-413	-409	M	L	0.00	-768.00	0.00
0	-409	-413	-389	-388	M	L	0.00	-768.00	0.00
0	-331	-332	-414	-410	M	L	0.00	-768.00	0.00
0	-410	-414	-415	-411	M	L	0.00	-768.00	0.00
0	-411	-415	-416	-412	M	L	0.00	-768.00	0.00
0	-412	-416	-417	-413	M	L	0.00	-768.00	0.00
0	-413	-417	-390	-389	M	L	0.00	-768.00	0.00
0	-332	-333	-418	-414	M	L	0.00	-768.00	0.00
0	-414	-418	-419	-415	M	L	0.00	-768.00	0.00
0	-415	-419	-420	-416	M	L	0.00	-768.00	0.00
0	-416	-420	-421	-417	M	L	0.00	-768.00	0.00
0	-417	-421	-391	-390	M	L	0.00	-768.00	0.00
0	-333	-334	-422	-418	M	L	0.00	-768.00	0.00
0	-418	-422	-423	-419	M	L	0.00	-768.00	0.00
0	-419	-423	-424	-420	M	L	0.00	-768.00	0.00
0	-420	-424	-425	-421	M	L	0.00	-768.00	0.00
0	-421	-425	-392	-391	M	L	0.00	-768.00	0.00
0	-334	-335	-426	-422	M	L	0.00	-768.00	0.00
0	-422	-426	-427	-423	M	L	0.00	-768.00	0.00
0	-423	-427	-428	-424	M	L	0.00	-768.00	0.00
0	-424	-428	-429	-425	M	L	0.00	-768.00	0.00

0	-425	-429	-393	-392	M	L	0.00	-768.00	0.00
0	-335	-336	-430	-426	M	L	0.00	-768.00	0.00
0	-426	-430	-431	-427	M	L	0.00	-768.00	0.00
0	-427	-431	-432	-428	M	L	0.00	-768.00	0.00
0	-428	-432	-433	-429	M	L	0.00	-768.00	0.00
0	-429	-433	-394	-393	M	L	0.00	-768.00	0.00
0	-336	-337	-434	-430	M	L	0.00	-768.00	0.00
0	-430	-434	-435	-431	M	L	0.00	-768.00	0.00
0	-431	-435	-436	-432	M	L	0.00	-768.00	0.00
0	-432	-436	-437	-433	M	L	0.00	-768.00	0.00
0	-433	-437	-395	-394	M	L	0.00	-768.00	0.00
0	-337	-338	-438	-434	M	L	0.00	-768.00	0.00
0	-434	-438	-439	-435	M	L	0.00	-768.00	0.00
0	-435	-439	-440	-436	M	L	0.00	-768.00	0.00
0	-436	-440	-441	-437	M	L	0.00	-768.00	0.00
0	-437	-441	-396	-395	M	L	0.00	-768.00	0.00
0	-338	-339	-442	-438	M	L	0.00	-768.00	0.00
0	-438	-442	-443	-439	M	L	0.00	-768.00	0.00
0	-439	-443	-444	-440	M	L	0.00	-768.00	0.00
0	-440	-444	-445	-441	M	L	0.00	-768.00	0.00
0	-441	-445	-397	-396	M	L	0.00	-768.00	0.00
0	-339	-20	-398	-442	M	L	0.00	-768.00	0.00
0	-442	-398	-400	-443	M	L	0.00	-768.00	0.00
0	-443	-400	-402	-444	M	L	0.00	-768.00	0.00
0	-444	-402	-404	-445	M	L	0.00	-768.00	0.00
0	-445	-404	9	-397	M	L	0.00	-768.00	0.00
0	-341	-482	-484	-343	M	L	0.00	768.00	0.00
0	-343	-484	-486	-345	M	L	0.00	768.00	0.00
0	-345	-486	-488	-347	M	L	0.00	768.00	0.00
0	-347	-488	-446	5	M	L	0.00	768.00	0.00
0	-482	-491	-493	-484	M	L	0.00	768.00	0.00
0	-484	-493	-495	-486	M	L	0.00	768.00	0.00
0	-486	-495	-497	-488	M	L	0.00	768.00	0.00
0	-488	-497	-447	-446	M	L	0.00	768.00	0.00
0	-491	-500	-502	-493	M	L	0.00	768.00	0.00
0	-493	-502	-504	-495	M	L	0.00	768.00	0.00
0	-495	-504	-506	-497	M	L	0.00	768.00	0.00
0	-497	-506	-448	-447	M	L	0.00	768.00	0.00
0	-500	-509	-511	-502	M	L	0.00	768.00	0.00
0	-502	-511	-513	-504	M	L	0.00	768.00	0.00
0	-504	-513	-515	-506	M	L	0.00	768.00	0.00
0	-506	-515	-6	-448	M	L	0.00	768.00	0.00
0	-509	-518	-520	-511	M	L	0.00	768.00	0.00
0	-511	-520	-522	-513	M	L	0.00	768.00	0.00
0	-513	-522	-524	-515	M	L	0.00	768.00	0.00
0	-515	-524	-449	-6	M	L	0.00	768.00	0.00
0	-518	-527	-529	-520	M	L	0.00	768.00	0.00
0	-520	-529	-531	-522	M	L	0.00	768.00	0.00
0	-522	-531	-533	-524	M	L	0.00	768.00	0.00
0	-524	-533	-8	-449	M	L	0.00	768.00	0.00
0	-527	-536	-538	-529	M	L	0.00	768.00	0.00
0	-529	-538	-540	-531	M	L	0.00	768.00	0.00
0	-531	-540	-542	-533	M	L	0.00	768.00	0.00
0	-533	-542	-450	-8	M	L	0.00	768.00	0.00
0	-536	-545	-547	-538	M	L	0.00	768.00	0.00
0	-538	-547	-549	-540	M	L	0.00	768.00	0.00
0	-540	-549	-551	-542	M	L	0.00	768.00	0.00
0	-542	-551	-451	-450	M	L	0.00	768.00	0.00
0	-545	-554	-556	-547	M	L	0.00	768.00	0.00
0	-547	-556	-558	-549	M	L	0.00	768.00	0.00
0	-549	-558	-560	-551	M	L	0.00	768.00	0.00
0	-551	-560	-452	-451	M	L	0.00	768.00	0.00
0	-554	-563	-565	-556	M	L	0.00	768.00	0.00
0	-556	-565	-567	-558	M	L	0.00	768.00	0.00
0	-558	-567	-569	-560	M	L	0.00	768.00	0.00
0	-560	-569	-2	-452	M	L	0.00	768.00	0.00
0	-563	-572	-574	-565	M	L	0.00	768.00	0.00
0	-565	-574	-576	-567	M	L	0.00	768.00	0.00
0	-567	-576	-578	-569	M	L	0.00	768.00	0.00
0	-569	-578	-453	-2	M	L	0.00	768.00	0.00
0	-572	-581	-583	-574	M	L	0.00	768.00	0.00
0	-574	-583	-585	-576	M	L	0.00	768.00	0.00
0	-576	-585	-587	-578	M	L	0.00	768.00	0.00
0	-578	-587	-9	-453	M	L	0.00	768.00	0.00
0	-581	-590	-592	-583	M	L	0.00	768.00	0.00
0	-583	-592	-594	-585	M	L	0.00	768.00	0.00
0	-585	-594	-596	-587	M	L	0.00	768.00	0.00
0	-587	-596	-454	-9	M	L	0.00	768.00	0.00
0	-590	-599	-601	-592	M	L	0.00	768.00	0.00

0	-592	-601	-603	-594	M	L	0.00	768.00	0.00
0	-594	-603	-605	-596	M	L	0.00	768.00	0.00
0	-596	-605	-455	-454	M	L	0.00	768.00	0.00
0	-599	-608	-610	-601	M	L	0.00	768.00	0.00
0	-601	-610	-612	-603	M	L	0.00	768.00	0.00
0	-603	-612	-614	-605	M	L	0.00	768.00	0.00
0	-605	-614	-456	-455	M	L	0.00	768.00	0.00
0	-608	-617	-619	-610	M	L	0.00	768.00	0.00
0	-610	-619	-621	-612	M	L	0.00	768.00	0.00
0	-612	-621	-623	-614	M	L	0.00	768.00	0.00
0	-614	-623	-457	-456	M	L	0.00	768.00	0.00
0	-617	-626	-628	-619	M	L	0.00	768.00	0.00
0	-619	-628	-630	-621	M	L	0.00	768.00	0.00
0	-621	-630	-632	-623	M	L	0.00	768.00	0.00
0	-623	-632	-7	-457	M	L	0.00	768.00	0.00
0	-626	-635	-637	-628	M	L	0.00	768.00	0.00
0	-628	-637	-639	-630	M	L	0.00	768.00	0.00
0	-630	-639	-641	-632	M	L	0.00	768.00	0.00
0	-632	-641	-12	-7	M	L	0.00	768.00	0.00
0	-635	-644	-646	-637	M	L	0.00	768.00	0.00
0	-637	-646	-648	-639	M	L	0.00	768.00	0.00
0	-639	-648	-650	-641	M	L	0.00	768.00	0.00
0	-641	-650	-1	-12	M	L	0.00	768.00	0.00
0	-644	-653	-655	-646	M	L	0.00	768.00	0.00
0	-646	-655	-657	-648	M	L	0.00	768.00	0.00
0	-648	-657	-659	-650	M	L	0.00	768.00	0.00
0	-650	-659	-458	-1	M	L	0.00	768.00	0.00
0	-653	-662	-664	-655	M	L	0.00	768.00	0.00
0	-655	-664	-666	-657	M	L	0.00	768.00	0.00
0	-657	-666	-668	-659	M	L	0.00	768.00	0.00
0	-659	-668	-459	-458	M	L	0.00	768.00	0.00
0	-662	-671	-673	-664	M	L	0.00	768.00	0.00
0	-664	-673	-675	-666	M	L	0.00	768.00	0.00
0	-666	-675	-677	-668	M	L	0.00	768.00	0.00
0	-668	-677	-460	-459	M	L	0.00	768.00	0.00
0	-671	-680	-682	-673	M	L	0.00	768.00	0.00
0	-673	-682	-684	-675	M	L	0.00	768.00	0.00
0	-675	-684	-686	-677	M	L	0.00	768.00	0.00
0	-677	-686	-5	-460	M	L	0.00	768.00	0.00
0	-680	-689	-691	-682	M	L	0.00	768.00	0.00
0	-682	-691	-693	-684	M	L	0.00	768.00	0.00
0	-684	-693	-695	-686	M	L	0.00	768.00	0.00
0	-686	-695	-461	-5	M	L	0.00	768.00	0.00
0	-689	-698	-700	-691	M	L	0.00	768.00	0.00
0	-691	-700	-702	-693	M	L	0.00	768.00	0.00
0	-693	-702	-704	-695	M	L	0.00	768.00	0.00
0	-695	-704	-3	-461	M	L	0.00	768.00	0.00
0	-1697	-1698	-1224	-1314	M	L	0.00	768.00	0.00
0	-698	-707	-709	-700	M	L	0.00	768.00	0.00
0	-700	-709	-711	-702	M	L	0.00	768.00	0.00
0	-702	-711	-713	-704	M	L	0.00	768.00	0.00
0	-704	-713	-462	-3	M	L	0.00	768.00	0.00
0	-1696	-1697	-1314	-1305	M	L	0.00	768.00	0.00
0	-707	-716	-718	-709	M	L	0.00	768.00	0.00
0	-709	-718	-720	-711	M	L	0.00	768.00	0.00
0	-711	-720	-722	-713	M	L	0.00	768.00	0.00
0	-713	-722	-463	-462	M	L	0.00	768.00	0.00
0	-1695	-1696	-1305	-1296	M	L	0.00	768.00	0.00
0	-716	-725	-727	-718	M	L	0.00	768.00	0.00
0	-718	-727	-729	-720	M	L	0.00	768.00	0.00
0	-720	-729	-731	-722	M	L	0.00	768.00	0.00
0	-722	-731	-464	-463	M	L	0.00	768.00	0.00
0	-1694	-1695	-1296	-1287	M	L	0.00	768.00	0.00
0	-725	-734	-736	-727	M	L	0.00	768.00	0.00
0	-727	-736	-738	-729	M	L	0.00	768.00	0.00
0	-729	-738	-740	-731	M	L	0.00	768.00	0.00
0	-731	-740	-465	-464	M	L	0.00	768.00	0.00
0	-734	-743	-745	-736	M	L	0.00	768.00	0.00
0	-736	-745	-747	-738	M	L	0.00	768.00	0.00
0	-738	-747	-749	-740	M	L	0.00	768.00	0.00
0	-740	-749	-4	-465	M	L	0.00	768.00	0.00
0	-743	-752	-754	-745	M	L	0.00	768.00	0.00
0	-745	-754	-756	-747	M	L	0.00	768.00	0.00
0	-747	-756	-758	-749	M	L	0.00	768.00	0.00
0	-749	-758	-16	-4	M	L	0.00	768.00	0.00
0	-752	-761	-763	-754	M	L	0.00	768.00	0.00
0	-754	-763	-765	-756	M	L	0.00	768.00	0.00
0	-756	-765	-767	-758	M	L	0.00	768.00	0.00
0	-758	-767	-14	-16	M	L	0.00	768.00	0.00

0	-1682	-1683	-743	-734	M	L	0.00	768.00	0.00
0	-761	-770	-772	-763	M	L	0.00	768.00	0.00
0	-1671	-1672	-644	-635	M	L	0.00	768.00	0.00
0	-763	-772	-774	-765	M	L	0.00	768.00	0.00
0	-1660	-1661	-545	-536	M	L	0.00	768.00	0.00
0	-765	-774	-776	-767	M	L	0.00	768.00	0.00
0	-1650	-1649	-360	-356	M	L	0.00	-768.00	0.00
0	-767	-776	-466	-14	M	L	0.00	768.00	0.00
0	-1692	-1693	-1278	-1269	M	L	0.00	768.00	0.00
0	-1681	-1682	-734	-725	M	L	0.00	768.00	0.00
0	-770	-469	-472	-772	M	L	0.00	768.00	0.00
0	-1670	-1671	-635	-626	M	L	0.00	768.00	0.00
0	-772	-472	-475	-774	M	L	0.00	768.00	0.00
0	-1659	-1660	-536	-527	M	L	0.00	768.00	0.00
0	-774	-475	-478	-776	M	L	0.00	768.00	0.00
0	-1649	-1648	-364	-360	M	L	0.00	-768.00	0.00
0	-776	-478	6	-466	M	L	0.00	768.00	0.00
0	-1691	-1692	-1269	-1260	M	L	0.00	768.00	0.00
0	-1680	-1681	-725	-716	M	L	0.00	768.00	0.00
0	-469	-1233	-1235	-472	M	L	0.00	768.00	0.00
0	-1669	-1670	-626	-617	M	L	0.00	768.00	0.00
0	-472	-1235	-1237	-475	M	L	0.00	768.00	0.00
0	-1658	-1659	-527	-518	M	L	0.00	768.00	0.00
0	-475	-1237	-1239	-478	M	L	0.00	768.00	0.00
0	-1648	-1647	-368	-364	M	L	0.00	-768.00	0.00
0	-478	-1239	-1213	6	M	L	0.00	768.00	0.00
0	-1690	-1691	-1260	-1251	M	L	0.00	768.00	0.00
0	-1679	-1680	-716	-707	M	L	0.00	768.00	0.00
0	-1233	-1242	-1244	-1235	M	L	0.00	768.00	0.00
0	-1668	-1669	-617	-608	M	L	0.00	768.00	0.00
0	-1235	-1244	-1246	-1237	M	L	0.00	768.00	0.00
0	-1657	-1658	-518	-509	M	L	0.00	768.00	0.00
0	-1237	-1246	-1248	-1239	M	L	0.00	768.00	0.00
0	-1647	-1646	-372	-368	M	L	0.00	-768.00	0.00
0	-1239	-1248	-1214	-1213	M	L	0.00	768.00	0.00
0	-1689	-1690	-1251	-1242	M	L	0.00	768.00	0.00
0	-1678	-1679	-707	-698	M	L	0.00	768.00	0.00
0	-1242	-1251	-1253	-1244	M	L	0.00	768.00	0.00
0	-1667	-1668	-608	-599	M	L	0.00	768.00	0.00
0	-1244	-1253	-1255	-1246	M	L	0.00	768.00	0.00
0	-1656	-1657	-509	-500	M	L	0.00	768.00	0.00
0	-1246	-1255	-1257	-1248	M	L	0.00	768.00	0.00
0	-1646	-1645	-376	-372	M	L	0.00	-768.00	0.00
0	-1248	-1257	-1215	-1214	M	L	0.00	768.00	0.00
0	-1688	-1689	-1242	-1233	M	L	0.00	768.00	0.00
0	-1677	-1678	-698	-689	M	L	0.00	768.00	0.00
0	-1251	-1260	-1262	-1253	M	L	0.00	768.00	0.00
0	-1666	-1667	-599	-590	M	L	0.00	768.00	0.00
0	-1253	-1262	-1264	-1255	M	L	0.00	768.00	0.00
0	-1655	-1656	-500	-491	M	L	0.00	768.00	0.00
0	-1255	-1264	-1266	-1257	M	L	0.00	768.00	0.00
0	-1645	-1644	-380	-376	M	L	0.00	-768.00	0.00
0	-1257	-1266	-1216	-1215	M	L	0.00	768.00	0.00
0	-1687	-1688	-1233	-469	M	L	0.00	768.00	0.00
0	-1676	-1677	-689	-680	M	L	0.00	768.00	0.00
0	-1260	-1269	-1271	-1262	M	L	0.00	768.00	0.00
0	-1665	-1666	-590	-581	M	L	0.00	768.00	0.00
0	-1262	-1271	-1273	-1264	M	L	0.00	768.00	0.00
0	-1654	-1655	-491	-482	M	L	0.00	768.00	0.00
0	-1264	-1273	-1275	-1266	M	L	0.00	768.00	0.00
0	-1644	-1643	-384	-380	M	L	0.00	-768.00	0.00
0	-1266	-1275	-1217	-1216	M	L	0.00	768.00	0.00
0	-1686	-1687	-469	-770	M	L	0.00	768.00	0.00
0	-1675	-1676	-680	-671	M	L	0.00	768.00	0.00
0	-1269	-1278	-1280	-1271	M	L	0.00	768.00	0.00
0	-1664	-1665	-581	-572	M	L	0.00	768.00	0.00
0	-1271	-1280	-1282	-1273	M	L	0.00	768.00	0.00
0	-1653	-1654	-482	-341	M	L	0.00	768.00	0.00
0	-1273	-1282	-1284	-1275	M	L	0.00	768.00	0.00
0	-1643	-1642	-340	-384	M	L	0.00	-768.00	0.00
0	-1275	-1284	-1218	-1217	M	L	0.00	768.00	0.00
0	-1685	-1686	-770	-761	M	L	0.00	768.00	0.00
0	-1674	-1675	-671	-662	M	L	0.00	768.00	0.00
0	-1278	-1287	-1289	-1280	M	L	0.00	768.00	0.00
0	-1663	-1664	-572	-563	M	L	0.00	768.00	0.00
0	-1280	-1289	-1291	-1282	M	L	0.00	768.00	0.00
0	-1653	-1652	-348	-341	M	L	0.00	-768.00	0.00
0	-1282	-1291	-1293	-1284	M	L	0.00	768.00	0.00
0	-1284	-1293	-1219	-1218	M	L	0.00	768.00	0.00

0	-1684	-1685	-761	-752	M	L	0.00	768.00	0.00
0	-1673	-1674	-662	-653	M	L	0.00	768.00	0.00
0	-1287	-1296	-1298	-1289	M	L	0.00	768.00	0.00
0	-1662	-1663	-563	-554	M	L	0.00	768.00	0.00
0	-1289	-1298	-1300	-1291	M	L	0.00	768.00	0.00
0	-1652	-1651	-352	-348	M	L	0.00	-768.00	0.00
0	-1291	-1300	-1302	-1293	M	L	0.00	768.00	0.00
0	-1293	-1302	-1220	-1219	M	L	0.00	768.00	0.00
0	-1683	-1684	-752	-743	M	L	0.00	768.00	0.00
0	-1672	-1673	-653	-644	M	L	0.00	768.00	0.00
0	-1296	-1305	-1307	-1298	M	L	0.00	768.00	0.00
0	-1661	-1662	-554	-545	M	L	0.00	768.00	0.00
0	-1298	-1307	-1309	-1300	M	L	0.00	768.00	0.00
0	-1651	-1650	-356	-352	M	L	0.00	-768.00	0.00
0	-1300	-1309	-1311	-1302	M	L	0.00	768.00	0.00
0	-1302	-1311	-1221	-1220	M	L	0.00	768.00	0.00
0	-1314	-1224	-1226	-1316	M	L	0.00	768.00	0.00
0	-1305	-1314	-1316	-1307	M	L	0.00	768.00	0.00
0	-1316	-1226	-1228	-1318	M	L	0.00	768.00	0.00
0	-1307	-1316	-1318	-1309	M	L	0.00	768.00	0.00
0	-1318	-1228	-1230	-1320	M	L	0.00	768.00	0.00
0	-1309	-1318	-1320	-1311	M	L	0.00	768.00	0.00
0	-1320	-1230	-24	-1222	M	L	0.00	768.00	0.00
0	-1311	-1320	-1222	-1221	M	L	0.00	768.00	0.00
0	-1333	-1340	-1341	-1335	M	L	0.00	768.00	0.00
0	-1335	-1341	-1342	-1337	M	L	0.00	768.00	0.00
0	-1337	-1342	-1343	-1339	M	L	0.00	768.00	0.00
0	-1339	-1343	-1322	8	M	L	0.00	768.00	0.00
0	-1213	-1214	-1344	-1340	M	L	0.00	768.00	0.00
0	-1340	-1344	-1345	-1341	M	L	0.00	768.00	0.00
0	-1341	-1345	-1346	-1342	M	L	0.00	768.00	0.00
0	-1342	-1346	-1347	-1343	M	L	0.00	768.00	0.00
0	-1343	-1347	-1323	-1322	M	L	0.00	768.00	0.00
0	-1214	-1215	-1348	-1344	M	L	0.00	768.00	0.00
0	-1344	-1348	-1349	-1345	M	L	0.00	768.00	0.00
0	-1345	-1349	-1350	-1346	M	L	0.00	768.00	0.00
0	-1346	-1350	-1351	-1347	M	L	0.00	768.00	0.00
0	-1347	-1351	-1324	-1323	M	L	0.00	768.00	0.00
0	-1215	-1216	-1352	-1348	M	L	0.00	768.00	0.00
0	-1348	-1352	-1353	-1349	M	L	0.00	768.00	0.00
0	-1349	-1353	-1354	-1350	M	L	0.00	768.00	0.00
0	-1350	-1354	-1355	-1351	M	L	0.00	768.00	0.00
0	-1351	-1355	-1325	-1324	M	L	0.00	768.00	0.00
0	-1216	-1217	-1356	-1352	M	L	0.00	768.00	0.00
0	-1352	-1356	-1357	-1353	M	L	0.00	768.00	0.00
0	-1353	-1357	-1358	-1354	M	L	0.00	768.00	0.00
0	-1354	-1358	-1359	-1355	M	L	0.00	768.00	0.00
0	-1355	-1359	-1326	-1325	M	L	0.00	768.00	0.00
0	-1217	-1218	-1360	-1356	M	L	0.00	768.00	0.00
0	-1356	-1360	-1361	-1357	M	L	0.00	768.00	0.00
0	-1357	-1361	-1362	-1358	M	L	0.00	768.00	0.00
0	-1358	-1362	-1363	-1359	M	L	0.00	768.00	0.00
0	-1359	-1363	-1327	-1326	M	L	0.00	768.00	0.00
0	-1218	-1219	-1364	-1360	M	L	0.00	768.00	0.00
0	-1360	-1364	-1365	-1361	M	L	0.00	768.00	0.00
0	-1361	-1365	-1366	-1362	M	L	0.00	768.00	0.00
0	-1362	-1366	-1367	-1363	M	L	0.00	768.00	0.00
0	-1363	-1367	-1328	-1327	M	L	0.00	768.00	0.00
0	-1219	-1220	-1368	-1364	M	L	0.00	768.00	0.00
0	-1364	-1368	-1369	-1365	M	L	0.00	768.00	0.00
0	-1365	-1369	-1370	-1366	M	L	0.00	768.00	0.00
0	-1366	-1370	-1371	-1367	M	L	0.00	768.00	0.00
0	-1367	-1371	-1329	-1328	M	L	0.00	768.00	0.00
0	-1220	-1221	-1372	-1368	M	L	0.00	768.00	0.00
0	-1368	-1372	-1373	-1369	M	L	0.00	768.00	0.00
0	-1369	-1373	-1374	-1370	M	L	0.00	768.00	0.00
0	-1370	-1374	-1375	-1371	M	L	0.00	768.00	0.00
0	-1371	-1375	-1330	-1329	M	L	0.00	768.00	0.00
0	-1221	-1222	-1376	-1372	M	L	0.00	768.00	0.00
0	-1372	-1376	-1377	-1373	M	L	0.00	768.00	0.00
0	-1373	-1377	-1378	-1374	M	L	0.00	768.00	0.00
0	-1374	-1378	-1379	-1375	M	L	0.00	768.00	0.00
0	-1375	-1379	-1331	-1330	M	L	0.00	768.00	0.00
0	-1222	-24	-1332	-1376	M	L	0.00	768.00	0.00
0	-1376	-1332	-1334	-1377	M	L	0.00	768.00	0.00
0	-1377	-1334	-1336	-1378	M	L	0.00	768.00	0.00
0	-1378	-1336	-1338	-1379	M	L	0.00	768.00	0.00
0	-1379	-1338	10	-1331	M	L	0.00	768.00	0.00
0	-399	-1453	-1454	-401	M	L	0.00	768.00	0.00

0	-401	-1454	-1455	-403	M	L	0.00	768.00	0.00
0	-403	-1455	-1456	-405	M	L	0.00	768.00	0.00
0	-405	-1456	-1392	7	M	L	0.00	768.00	0.00
0	-446	-447	-1457	-1453	M	L	0.00	768.00	0.00
0	-1453	-1457	-1458	-1454	M	L	0.00	768.00	0.00
0	-1454	-1458	-1459	-1455	M	L	0.00	768.00	0.00
0	-1455	-1459	-1460	-1456	M	L	0.00	768.00	0.00
0	-1456	-1460	-1393	-1392	M	L	0.00	768.00	0.00
0	-447	-448	-1461	-1457	M	L	0.00	768.00	0.00
0	-1457	-1461	-1462	-1458	M	L	0.00	768.00	0.00
0	-1458	-1462	-1463	-1459	M	L	0.00	768.00	0.00
0	-1459	-1463	-1464	-1460	M	L	0.00	768.00	0.00
0	-1460	-1464	-1394	-1393	M	L	0.00	768.00	0.00
0	-448	-6	-1465	-1461	M	L	0.00	768.00	0.00
0	-1461	-1465	-1466	-1462	M	L	0.00	768.00	0.00
0	-1462	-1466	-1467	-1463	M	L	0.00	768.00	0.00
0	-1463	-1467	-1468	-1464	M	L	0.00	768.00	0.00
0	-1464	-1468	-1395	-1394	M	L	0.00	768.00	0.00
0	-1468	-1476	-1398	-1395	M	L	0.00	768.00	0.00
0	-6	-449	-1473	-1465	M	L	0.00	768.00	0.00
0	-1465	-1473	-1474	-1466	M	L	0.00	768.00	0.00
0	-1466	-1474	-1475	-1467	M	L	0.00	768.00	0.00
0	-1467	-1475	-1476	-1468	M	L	0.00	768.00	0.00
0	-449	-8	-1481	-1473	M	L	0.00	768.00	0.00
0	-1473	-1481	-1482	-1474	M	L	0.00	768.00	0.00
0	-1474	-1482	-1483	-1475	M	L	0.00	768.00	0.00
0	-1475	-1483	-1484	-1476	M	L	0.00	768.00	0.00
0	-1476	-1484	-1401	-1398	M	L	0.00	768.00	0.00
0	-1484	-1492	-1404	-1401	M	L	0.00	768.00	0.00
0	-8	-450	-1489	-1481	M	L	0.00	768.00	0.00
0	-1481	-1489	-1490	-1482	M	L	0.00	768.00	0.00
0	-1482	-1490	-1491	-1483	M	L	0.00	768.00	0.00
0	-1483	-1491	-1492	-1484	M	L	0.00	768.00	0.00
0	-450	-451	-1497	-1489	M	L	0.00	768.00	0.00
0	-1489	-1497	-1498	-1490	M	L	0.00	768.00	0.00
0	-1490	-1498	-1499	-1491	M	L	0.00	768.00	0.00
0	-1491	-1499	-1500	-1492	M	L	0.00	768.00	0.00
0	-1492	-1500	-1407	-1404	M	L	0.00	768.00	0.00
0	-451	-452	-1505	-1497	M	L	0.00	768.00	0.00
0	-1497	-1505	-1506	-1498	M	L	0.00	768.00	0.00
0	-1498	-1506	-1507	-1499	M	L	0.00	768.00	0.00
0	-1499	-1507	-1508	-1500	M	L	0.00	768.00	0.00
0	-1500	-1508	-1410	-1407	M	L	0.00	768.00	0.00
0	-452	-2	-1513	-1505	M	L	0.00	768.00	0.00
0	-1505	-1513	-1514	-1506	M	L	0.00	768.00	0.00
0	-1506	-1514	-1515	-1507	M	L	0.00	768.00	0.00
0	-1507	-1515	-1516	-1508	M	L	0.00	768.00	0.00
0	-1508	-1516	-1413	-1410	M	L	0.00	768.00	0.00
0	-2	-453	-1517	-1513	M	L	0.00	768.00	0.00
0	-1513	-1517	-1518	-1514	M	L	0.00	768.00	0.00
0	-1514	-1518	-1519	-1515	M	L	0.00	768.00	0.00
0	-1515	-1519	-1520	-1516	M	L	0.00	768.00	0.00
0	-1516	-1520	-1414	-1413	M	L	0.00	768.00	0.00
0	-453	-9	-1521	-1517	M	L	0.00	768.00	0.00
0	-1517	-1521	-1522	-1518	M	L	0.00	768.00	0.00
0	-1518	-1522	-1523	-1519	M	L	0.00	768.00	0.00
0	-1519	-1523	-1524	-1520	M	L	0.00	768.00	0.00
0	-1520	-1524	-1415	-1414	M	L	0.00	768.00	0.00
0	-9	-454	-1525	-1521	M	L	0.00	768.00	0.00
0	-1521	-1525	-1526	-1522	M	L	0.00	768.00	0.00
0	-1522	-1526	-1527	-1523	M	L	0.00	768.00	0.00
0	-1523	-1527	-1528	-1524	M	L	0.00	768.00	0.00
0	-1524	-1528	-1416	-1415	M	L	0.00	768.00	0.00
0	-454	-455	-1529	-1525	M	L	0.00	768.00	0.00
0	-1525	-1529	-1530	-1526	M	L	0.00	768.00	0.00
0	-1526	-1530	-1531	-1527	M	L	0.00	768.00	0.00
0	-1527	-1531	-1532	-1528	M	L	0.00	768.00	0.00
0	-1528	-1532	-1417	-1416	M	L	0.00	768.00	0.00
0	-455	-456	-1533	-1529	M	L	0.00	768.00	0.00
0	-1529	-1533	-1534	-1530	M	L	0.00	768.00	0.00
0	-1530	-1534	-1535	-1531	M	L	0.00	768.00	0.00
0	-1531	-1535	-1536	-1532	M	L	0.00	768.00	0.00
0	-1532	-1536	-1418	-1417	M	L	0.00	768.00	0.00
0	-456	-457	-1537	-1533	M	L	0.00	768.00	0.00
0	-1533	-1537	-1538	-1534	M	L	0.00	768.00	0.00
0	-1534	-1538	-1539	-1535	M	L	0.00	768.00	0.00
0	-1535	-1539	-1540	-1536	M	L	0.00	768.00	0.00
0	-1536	-1540	-1419	-1418	M	L	0.00	768.00	0.00
0	-457	-7	-1541	-1537	M	L	0.00	768.00	0.00

0	-1537	-1541	-1542	-1538	M	L	0.00	768.00	0.00
0	-1538	-1542	-1543	-1539	M	L	0.00	768.00	0.00
0	-1539	-1543	-1544	-1540	M	L	0.00	768.00	0.00
0	-1540	-1544	-1420	-1419	M	L	0.00	768.00	0.00
0	-7	-12	-1545	-1541	M	L	0.00	768.00	0.00
0	-1541	-1545	-1546	-1542	M	L	0.00	768.00	0.00
0	-1542	-1546	-1547	-1543	M	L	0.00	768.00	0.00
0	-1543	-1547	-1548	-1544	M	L	0.00	768.00	0.00
0	-1544	-1548	-1421	-1420	M	L	0.00	768.00	0.00
0	-12	-1	-1549	-1545	M	L	0.00	768.00	0.00
0	-1545	-1549	-1550	-1546	M	L	0.00	768.00	0.00
0	-1546	-1550	-1551	-1547	M	L	0.00	768.00	0.00
0	-1547	-1551	-1552	-1548	M	L	0.00	768.00	0.00
0	-1548	-1552	-1422	-1421	M	L	0.00	768.00	0.00
0	-1	-458	-1557	-1549	M	L	0.00	768.00	0.00
0	-1549	-1557	-1558	-1550	M	L	0.00	768.00	0.00
0	-1550	-1558	-1559	-1551	M	L	0.00	768.00	0.00
0	-1551	-1559	-1560	-1552	M	L	0.00	768.00	0.00
0	-1552	-1560	-1425	-1422	M	L	0.00	768.00	0.00
0	-458	-459	-1565	-1557	M	L	0.00	768.00	0.00
0	-1557	-1565	-1566	-1558	M	L	0.00	768.00	0.00
0	-1558	-1566	-1567	-1559	M	L	0.00	768.00	0.00
0	-1559	-1567	-1568	-1560	M	L	0.00	768.00	0.00
0	-1560	-1568	-1428	-1425	M	L	0.00	768.00	0.00
0	-459	-460	-1573	-1565	M	L	0.00	768.00	0.00
0	-1565	-1573	-1574	-1566	M	L	0.00	768.00	0.00
0	-1566	-1574	-1575	-1567	M	L	0.00	768.00	0.00
0	-1567	-1575	-1576	-1568	M	L	0.00	768.00	0.00
0	-1568	-1576	-1431	-1428	M	L	0.00	768.00	0.00
0	-1576	-1584	-1434	-1431	M	L	0.00	768.00	0.00
0	-460	-5	-1581	-1573	M	L	0.00	768.00	0.00
0	-1573	-1581	-1582	-1574	M	L	0.00	768.00	0.00
0	-1574	-1582	-1583	-1575	M	L	0.00	768.00	0.00
0	-1575	-1583	-1584	-1576	M	L	0.00	768.00	0.00
0	-5	-461	-1585	-1581	M	L	0.00	768.00	0.00
0	-1581	-1585	-1586	-1582	M	L	0.00	768.00	0.00
0	-1582	-1586	-1587	-1583	M	L	0.00	768.00	0.00
0	-1583	-1587	-1588	-1584	M	L	0.00	768.00	0.00
0	-1584	-1588	-1435	-1434	M	L	0.00	768.00	0.00
0	-461	-3	-1589	-1585	M	L	0.00	768.00	0.00
0	-1585	-1589	-1590	-1586	M	L	0.00	768.00	0.00
0	-1586	-1590	-1591	-1587	M	L	0.00	768.00	0.00
0	-1587	-1591	-1592	-1588	M	L	0.00	768.00	0.00
0	-1588	-1592	-1436	-1435	M	L	0.00	768.00	0.00
0	-3	-462	-1593	-1589	M	L	0.00	768.00	0.00
0	-1589	-1593	-1594	-1590	M	L	0.00	768.00	0.00
0	-1590	-1594	-1595	-1591	M	L	0.00	768.00	0.00
0	-1591	-1595	-1596	-1592	M	L	0.00	768.00	0.00
0	-1592	-1596	-1437	-1436	M	L	0.00	768.00	0.00
0	-462	-463	-1597	-1593	M	L	0.00	768.00	0.00
0	-1593	-1597	-1598	-1594	M	L	0.00	768.00	0.00
0	-1594	-1598	-1599	-1595	M	L	0.00	768.00	0.00
0	-1595	-1599	-1600	-1596	M	L	0.00	768.00	0.00
0	-1596	-1600	-1438	-1437	M	L	0.00	768.00	0.00
0	-463	-464	-1601	-1597	M	L	0.00	768.00	0.00
0	-1597	-1601	-1602	-1598	M	L	0.00	768.00	0.00
0	-1598	-1602	-1603	-1599	M	L	0.00	768.00	0.00
0	-1599	-1603	-1604	-1600	M	L	0.00	768.00	0.00
0	-1600	-1604	-1439	-1438	M	L	0.00	768.00	0.00
0	-464	-465	-1605	-1601	M	L	0.00	768.00	0.00
0	-1601	-1605	-1606	-1602	M	L	0.00	768.00	0.00
0	-1602	-1606	-1607	-1603	M	L	0.00	768.00	0.00
0	-1603	-1607	-1608	-1604	M	L	0.00	768.00	0.00
0	-1604	-1608	-1440	-1439	M	L	0.00	768.00	0.00
0	-465	-4	-1609	-1605	M	L	0.00	768.00	0.00
0	-1605	-1609	-1610	-1606	M	L	0.00	768.00	0.00
0	-1606	-1610	-1611	-1607	M	L	0.00	768.00	0.00
0	-1607	-1611	-1612	-1608	M	L	0.00	768.00	0.00
0	-1608	-1612	-1441	-1440	M	L	0.00	768.00	0.00
0	-4	-16	-1617	-1609	M	L	0.00	768.00	0.00
0	-1609	-1617	-1618	-1610	M	L	0.00	768.00	0.00
0	-1610	-1618	-1619	-1611	M	L	0.00	768.00	0.00
0	-1611	-1619	-1620	-1612	M	L	0.00	768.00	0.00
0	-1612	-1620	-1444	-1441	M	L	0.00	768.00	0.00
0	-16	-14	-1625	-1617	M	L	0.00	768.00	0.00
0	-1617	-1625	-1626	-1618	M	L	0.00	768.00	0.00
0	-1618	-1626	-1627	-1619	M	L	0.00	768.00	0.00
0	-1619	-1627	-1628	-1620	M	L	0.00	768.00	0.00
0	-1620	-1628	-1447	-1444	M	L	0.00	768.00	0.00

0	-14	-466	-1633	-1625	M	L	0.00	768.00	0.00
0	-1625	-1633	-1634	-1626	M	L	0.00	768.00	0.00
0	-1626	-1634	-1635	-1627	M	L	0.00	768.00	0.00
0	-1627	-1635	-1636	-1628	M	L	0.00	768.00	0.00
0	-1628	-1636	-1450	-1447	M	L	0.00	768.00	0.00
0	-1636	-1339	8	-1450	M	L	0.00	768.00	0.00
0	-466	6	-1333	-1633	M	L	0.00	768.00	0.00
0	-1633	-1333	-1335	-1634	M	L	0.00	768.00	0.00
0	-1634	-1335	-1337	-1635	M	L	0.00	768.00	0.00
0	-1635	-1337	-1339	-1636	M	L	0.00	768.00	0.00

Condizione di carico n. 5: Spinta sismica
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	5	-446	-1453	-399	M	L	0.00	1345.00	0.00
0	5	-330	-406	-399	M	L	0.00	-1345.00	0.00
0	1	-284	-1652	-1653	M	L	0.00	-1345.00	0.00
0	-1693	-1694	-1287	-1278	M	L	0.00	1345.00	0.00
0	6	-1213	-1340	-1333	M	L	0.00	1345.00	0.00
0	-341	-348	-349	-343	M	L	0.00	-1345.00	0.00
0	-343	-349	-350	-345	M	L	0.00	-1345.00	0.00
0	-345	-350	-351	-347	M	L	0.00	-1345.00	0.00
0	-347	-351	-330	5	M	L	0.00	-1345.00	0.00
0	-284	-282	-1651	-1652	M	L	0.00	-1345.00	0.00
0	-348	-352	-353	-349	M	L	0.00	-1345.00	0.00
0	-349	-353	-354	-350	M	L	0.00	-1345.00	0.00
0	-350	-354	-355	-351	M	L	0.00	-1345.00	0.00
0	-351	-355	-331	-330	M	L	0.00	-1345.00	0.00
0	-282	-280	-1650	-1651	M	L	0.00	-1345.00	0.00
0	-352	-356	-357	-353	M	L	0.00	-1345.00	0.00
0	-353	-357	-358	-354	M	L	0.00	-1345.00	0.00
0	-354	-358	-359	-355	M	L	0.00	-1345.00	0.00
0	-355	-359	-332	-331	M	L	0.00	-1345.00	0.00
0	-280	-28	-1649	-1650	M	L	0.00	-1345.00	0.00
0	-356	-360	-361	-357	M	L	0.00	-1345.00	0.00
0	-357	-361	-362	-358	M	L	0.00	-1345.00	0.00
0	-358	-362	-363	-359	M	L	0.00	-1345.00	0.00
0	-359	-363	-333	-332	M	L	0.00	-1345.00	0.00
0	-28	-308	-1648	-1649	M	L	0.00	-1345.00	0.00
0	-360	-364	-365	-361	M	L	0.00	-1345.00	0.00
0	-361	-365	-366	-362	M	L	0.00	-1345.00	0.00
0	-362	-366	-367	-363	M	L	0.00	-1345.00	0.00
0	-363	-367	-334	-333	M	L	0.00	-1345.00	0.00
0	-308	-306	-1647	-1648	M	L	0.00	-1345.00	0.00
0	-364	-368	-369	-365	M	L	0.00	-1345.00	0.00
0	-365	-369	-370	-366	M	L	0.00	-1345.00	0.00
0	-366	-370	-371	-367	M	L	0.00	-1345.00	0.00
0	-367	-371	-335	-334	M	L	0.00	-1345.00	0.00
0	-306	-304	-1646	-1647	M	L	0.00	-1345.00	0.00
0	-368	-372	-373	-369	M	L	0.00	-1345.00	0.00
0	-369	-373	-374	-370	M	L	0.00	-1345.00	0.00
0	-370	-374	-375	-371	M	L	0.00	-1345.00	0.00
0	-371	-375	-336	-335	M	L	0.00	-1345.00	0.00
0	-304	-302	-1645	-1646	M	L	0.00	-1345.00	0.00
0	-372	-376	-377	-373	M	L	0.00	-1345.00	0.00
0	-373	-377	-378	-374	M	L	0.00	-1345.00	0.00
0	-374	-378	-379	-375	M	L	0.00	-1345.00	0.00
0	-375	-379	-337	-336	M	L	0.00	-1345.00	0.00
0	-302	-300	-1644	-1645	M	L	0.00	-1345.00	0.00
0	-376	-380	-381	-377	M	L	0.00	-1345.00	0.00
0	-377	-381	-382	-378	M	L	0.00	-1345.00	0.00
0	-378	-382	-383	-379	M	L	0.00	-1345.00	0.00
0	-379	-383	-338	-337	M	L	0.00	-1345.00	0.00
0	-300	-298	-1643	-1644	M	L	0.00	-1345.00	0.00
0	-380	-384	-385	-381	M	L	0.00	-1345.00	0.00
0	-381	-385	-386	-382	M	L	0.00	-1345.00	0.00
0	-382	-386	-387	-383	M	L	0.00	-1345.00	0.00
0	-383	-387	-339	-338	M	L	0.00	-1345.00	0.00
0	-298	4	-1642	-1643	M	L	0.00	-1345.00	0.00
0	-384	-340	-342	-385	M	L	0.00	-1345.00	0.00
0	-385	-342	-344	-386	M	L	0.00	-1345.00	0.00
0	-386	-344	-346	-387	M	L	0.00	-1345.00	0.00
0	-387	-346	-20	-339	M	L	0.00	-1345.00	0.00
0	-399	-406	-407	-401	M	L	0.00	-1345.00	0.00
0	-401	-407	-408	-403	M	L	0.00	-1345.00	0.00
0	-403	-408	-409	-405	M	L	0.00	-1345.00	0.00
0	-405	-409	-388	7	M	L	0.00	-1345.00	0.00

0	-330	-331	-410	-406	M	L	0.00	-1345.00	0.00
0	-406	-410	-411	-407	M	L	0.00	-1345.00	0.00
0	-407	-411	-412	-408	M	L	0.00	-1345.00	0.00
0	-408	-412	-413	-409	M	L	0.00	-1345.00	0.00
0	-409	-413	-389	-388	M	L	0.00	-1345.00	0.00
0	-331	-332	-414	-410	M	L	0.00	-1345.00	0.00
0	-410	-414	-415	-411	M	L	0.00	-1345.00	0.00
0	-411	-415	-416	-412	M	L	0.00	-1345.00	0.00
0	-412	-416	-417	-413	M	L	0.00	-1345.00	0.00
0	-413	-417	-390	-389	M	L	0.00	-1345.00	0.00
0	-332	-333	-418	-414	M	L	0.00	-1345.00	0.00
0	-414	-418	-419	-415	M	L	0.00	-1345.00	0.00
0	-415	-419	-420	-416	M	L	0.00	-1345.00	0.00
0	-416	-420	-421	-417	M	L	0.00	-1345.00	0.00
0	-417	-421	-391	-390	M	L	0.00	-1345.00	0.00
0	-333	-334	-422	-418	M	L	0.00	-1345.00	0.00
0	-418	-422	-423	-419	M	L	0.00	-1345.00	0.00
0	-419	-423	-424	-420	M	L	0.00	-1345.00	0.00
0	-420	-424	-425	-421	M	L	0.00	-1345.00	0.00
0	-421	-425	-392	-391	M	L	0.00	-1345.00	0.00
0	-334	-335	-426	-422	M	L	0.00	-1345.00	0.00
0	-422	-426	-427	-423	M	L	0.00	-1345.00	0.00
0	-423	-427	-428	-424	M	L	0.00	-1345.00	0.00
0	-424	-428	-429	-425	M	L	0.00	-1345.00	0.00
0	-425	-429	-393	-392	M	L	0.00	-1345.00	0.00
0	-335	-336	-430	-426	M	L	0.00	-1345.00	0.00
0	-426	-430	-431	-427	M	L	0.00	-1345.00	0.00
0	-427	-431	-432	-428	M	L	0.00	-1345.00	0.00
0	-428	-432	-433	-429	M	L	0.00	-1345.00	0.00
0	-429	-433	-394	-393	M	L	0.00	-1345.00	0.00
0	-336	-337	-434	-430	M	L	0.00	-1345.00	0.00
0	-430	-434	-435	-431	M	L	0.00	-1345.00	0.00
0	-431	-435	-436	-432	M	L	0.00	-1345.00	0.00
0	-432	-436	-437	-433	M	L	0.00	-1345.00	0.00
0	-433	-437	-395	-394	M	L	0.00	-1345.00	0.00
0	-337	-338	-438	-434	M	L	0.00	-1345.00	0.00
0	-434	-438	-439	-435	M	L	0.00	-1345.00	0.00
0	-435	-439	-440	-436	M	L	0.00	-1345.00	0.00
0	-436	-440	-441	-437	M	L	0.00	-1345.00	0.00
0	-437	-441	-396	-395	M	L	0.00	-1345.00	0.00
0	-338	-339	-442	-438	M	L	0.00	-1345.00	0.00
0	-438	-442	-443	-439	M	L	0.00	-1345.00	0.00
0	-439	-443	-444	-440	M	L	0.00	-1345.00	0.00
0	-440	-444	-445	-441	M	L	0.00	-1345.00	0.00
0	-441	-445	-397	-396	M	L	0.00	-1345.00	0.00
0	-339	-20	-398	-442	M	L	0.00	-1345.00	0.00
0	-442	-398	-400	-443	M	L	0.00	-1345.00	0.00
0	-443	-400	-402	-444	M	L	0.00	-1345.00	0.00
0	-444	-402	-404	-445	M	L	0.00	-1345.00	0.00
0	-445	-404	9	-397	M	L	0.00	-1345.00	0.00
0	1	-32	-1654	-1653	M	L	0.00	1345.00	0.00
0	-341	-482	-484	-343	M	L	0.00	1345.00	0.00
0	-343	-484	-486	-345	M	L	0.00	1345.00	0.00
0	-345	-486	-488	-347	M	L	0.00	1345.00	0.00
0	-347	-488	-446	5	M	L	0.00	1345.00	0.00
0	-32	-34	-1655	-1654	M	L	0.00	1345.00	0.00
0	-482	-491	-493	-484	M	L	0.00	1345.00	0.00
0	-484	-493	-495	-486	M	L	0.00	1345.00	0.00
0	-486	-495	-497	-488	M	L	0.00	1345.00	0.00
0	-488	-497	-447	-446	M	L	0.00	1345.00	0.00
0	-34	-36	-1656	-1655	M	L	0.00	1345.00	0.00
0	-491	-500	-502	-493	M	L	0.00	1345.00	0.00
0	-493	-502	-504	-495	M	L	0.00	1345.00	0.00
0	-495	-504	-506	-497	M	L	0.00	1345.00	0.00
0	-497	-506	-448	-447	M	L	0.00	1345.00	0.00
0	-36	-38	-1657	-1656	M	L	0.00	1345.00	0.00
0	-500	-509	-511	-502	M	L	0.00	1345.00	0.00
0	-502	-511	-513	-504	M	L	0.00	1345.00	0.00
0	-504	-513	-515	-506	M	L	0.00	1345.00	0.00
0	-506	-515	-6	-448	M	L	0.00	1345.00	0.00
0	-38	-40	-1658	-1657	M	L	0.00	1345.00	0.00
0	-509	-518	-520	-511	M	L	0.00	1345.00	0.00
0	-511	-520	-522	-513	M	L	0.00	1345.00	0.00
0	-513	-522	-524	-515	M	L	0.00	1345.00	0.00
0	-515	-524	-449	-6	M	L	0.00	1345.00	0.00
0	-40	-42	-1659	-1658	M	L	0.00	1345.00	0.00
0	-518	-527	-529	-520	M	L	0.00	1345.00	0.00
0	-520	-529	-531	-522	M	L	0.00	1345.00	0.00
0	-522	-531	-533	-524	M	L	0.00	1345.00	0.00

0	-524	-533	-8	-449	M	L	0.00	1345.00	0.00
0	-42	-44	-1660	-1659	M	L	0.00	1345.00	0.00
0	-527	-536	-538	-529	M	L	0.00	1345.00	0.00
0	-529	-538	-540	-531	M	L	0.00	1345.00	0.00
0	-531	-540	-542	-533	M	L	0.00	1345.00	0.00
0	-533	-542	-450	-8	M	L	0.00	1345.00	0.00
0	-44	-46	-1661	-1660	M	L	0.00	1345.00	0.00
0	-536	-545	-547	-538	M	L	0.00	1345.00	0.00
0	-538	-547	-549	-540	M	L	0.00	1345.00	0.00
0	-540	-549	-551	-542	M	L	0.00	1345.00	0.00
0	-542	-551	-451	-450	M	L	0.00	1345.00	0.00
0	-46	-48	-1662	-1661	M	L	0.00	1345.00	0.00
0	-545	-554	-556	-547	M	L	0.00	1345.00	0.00
0	-547	-556	-558	-549	M	L	0.00	1345.00	0.00
0	-549	-558	-560	-551	M	L	0.00	1345.00	0.00
0	-551	-560	-452	-451	M	L	0.00	1345.00	0.00
0	-48	-50	-1663	-1662	M	L	0.00	1345.00	0.00
0	-554	-563	-565	-556	M	L	0.00	1345.00	0.00
0	-556	-565	-567	-558	M	L	0.00	1345.00	0.00
0	-558	-567	-569	-560	M	L	0.00	1345.00	0.00
0	-560	-569	-2	-452	M	L	0.00	1345.00	0.00
0	-50	-52	-1664	-1663	M	L	0.00	1345.00	0.00
0	-563	-572	-574	-565	M	L	0.00	1345.00	0.00
0	-565	-574	-576	-567	M	L	0.00	1345.00	0.00
0	-567	-576	-578	-569	M	L	0.00	1345.00	0.00
0	-569	-578	-453	-2	M	L	0.00	1345.00	0.00
0	-52	-54	-1665	-1664	M	L	0.00	1345.00	0.00
0	-572	-581	-583	-574	M	L	0.00	1345.00	0.00
0	-574	-583	-585	-576	M	L	0.00	1345.00	0.00
0	-576	-585	-587	-578	M	L	0.00	1345.00	0.00
0	-578	-587	-9	-453	M	L	0.00	1345.00	0.00
0	-54	-56	-1666	-1665	M	L	0.00	1345.00	0.00
0	-581	-590	-592	-583	M	L	0.00	1345.00	0.00
0	-583	-592	-594	-585	M	L	0.00	1345.00	0.00
0	-585	-594	-596	-587	M	L	0.00	1345.00	0.00
0	-587	-596	-454	-9	M	L	0.00	1345.00	0.00
0	-56	-58	-1667	-1666	M	L	0.00	1345.00	0.00
0	-590	-599	-601	-592	M	L	0.00	1345.00	0.00
0	-592	-601	-603	-594	M	L	0.00	1345.00	0.00
0	-594	-603	-605	-596	M	L	0.00	1345.00	0.00
0	-596	-605	-455	-454	M	L	0.00	1345.00	0.00
0	-58	-60	-1668	-1667	M	L	0.00	1345.00	0.00
0	-599	-608	-610	-601	M	L	0.00	1345.00	0.00
0	-601	-610	-612	-603	M	L	0.00	1345.00	0.00
0	-603	-612	-614	-605	M	L	0.00	1345.00	0.00
0	-605	-614	-456	-455	M	L	0.00	1345.00	0.00
0	-60	-62	-1669	-1668	M	L	0.00	1345.00	0.00
0	-608	-617	-619	-610	M	L	0.00	1345.00	0.00
0	-610	-619	-621	-612	M	L	0.00	1345.00	0.00
0	-612	-621	-623	-614	M	L	0.00	1345.00	0.00
0	-614	-623	-457	-456	M	L	0.00	1345.00	0.00
0	-62	-30	-1670	-1669	M	L	0.00	1345.00	0.00
0	-617	-626	-628	-619	M	L	0.00	1345.00	0.00
0	-619	-628	-630	-621	M	L	0.00	1345.00	0.00
0	-621	-630	-632	-623	M	L	0.00	1345.00	0.00
0	-623	-632	-7	-457	M	L	0.00	1345.00	0.00
0	-30	-136	-1671	-1670	M	L	0.00	1345.00	0.00
0	-626	-635	-637	-628	M	L	0.00	1345.00	0.00
0	-628	-637	-639	-630	M	L	0.00	1345.00	0.00
0	-630	-639	-641	-632	M	L	0.00	1345.00	0.00
0	-632	-641	-12	-7	M	L	0.00	1345.00	0.00
0	-136	-138	-1672	-1671	M	L	0.00	1345.00	0.00
0	-635	-644	-646	-637	M	L	0.00	1345.00	0.00
0	-637	-646	-648	-639	M	L	0.00	1345.00	0.00
0	-639	-648	-650	-641	M	L	0.00	1345.00	0.00
0	-641	-650	-1	-12	M	L	0.00	1345.00	0.00
0	-138	-140	-1673	-1672	M	L	0.00	1345.00	0.00
0	-644	-653	-655	-646	M	L	0.00	1345.00	0.00
0	-646	-655	-657	-648	M	L	0.00	1345.00	0.00
0	-648	-657	-659	-650	M	L	0.00	1345.00	0.00
0	-650	-659	-458	-1	M	L	0.00	1345.00	0.00
0	-140	-142	-1674	-1673	M	L	0.00	1345.00	0.00
0	-653	-662	-664	-655	M	L	0.00	1345.00	0.00
0	-655	-664	-666	-657	M	L	0.00	1345.00	0.00
0	-657	-666	-668	-659	M	L	0.00	1345.00	0.00
0	-659	-668	-459	-458	M	L	0.00	1345.00	0.00
0	-142	-144	-1675	-1674	M	L	0.00	1345.00	0.00
0	-662	-671	-673	-664	M	L	0.00	1345.00	0.00
0	-664	-673	-675	-666	M	L	0.00	1345.00	0.00

0	-666	-675	-677	-668	M	L	0.00	1345.00	0.00
0	-668	-677	-460	-459	M	L	0.00	1345.00	0.00
0	-144	-146	-1676	-1675	M	L	0.00	1345.00	0.00
0	-671	-680	-682	-673	M	L	0.00	1345.00	0.00
0	-673	-682	-684	-675	M	L	0.00	1345.00	0.00
0	-675	-684	-686	-677	M	L	0.00	1345.00	0.00
0	-677	-686	-5	-460	M	L	0.00	1345.00	0.00
0	-146	-148	-1677	-1676	M	L	0.00	1345.00	0.00
0	-680	-689	-691	-682	M	L	0.00	1345.00	0.00
0	-682	-691	-693	-684	M	L	0.00	1345.00	0.00
0	-684	-693	-695	-686	M	L	0.00	1345.00	0.00
0	-686	-695	-461	-5	M	L	0.00	1345.00	0.00
0	-148	-150	-1678	-1677	M	L	0.00	1345.00	0.00
0	-689	-698	-700	-691	M	L	0.00	1345.00	0.00
0	-691	-700	-702	-693	M	L	0.00	1345.00	0.00
0	-693	-702	-704	-695	M	L	0.00	1345.00	0.00
0	-695	-704	-3	-461	M	L	0.00	1345.00	0.00
0	-1697	-1698	-1224	-1314	M	L	0.00	1345.00	0.00
0	-150	-152	-1679	-1678	M	L	0.00	1345.00	0.00
0	-698	-707	-709	-700	M	L	0.00	1345.00	0.00
0	-700	-709	-711	-702	M	L	0.00	1345.00	0.00
0	-702	-711	-713	-704	M	L	0.00	1345.00	0.00
0	-704	-713	-462	-3	M	L	0.00	1345.00	0.00
0	-1696	-1697	-1314	-1305	M	L	0.00	1345.00	0.00
0	-152	-154	-1680	-1679	M	L	0.00	1345.00	0.00
0	-707	-716	-718	-709	M	L	0.00	1345.00	0.00
0	-709	-718	-720	-711	M	L	0.00	1345.00	0.00
0	-711	-720	-722	-713	M	L	0.00	1345.00	0.00
0	-713	-722	-463	-462	M	L	0.00	1345.00	0.00
0	-1695	-1696	-1305	-1296	M	L	0.00	1345.00	0.00
0	-154	-156	-1681	-1680	M	L	0.00	1345.00	0.00
0	-716	-725	-727	-718	M	L	0.00	1345.00	0.00
0	-718	-727	-729	-720	M	L	0.00	1345.00	0.00
0	-720	-729	-731	-722	M	L	0.00	1345.00	0.00
0	-722	-731	-464	-463	M	L	0.00	1345.00	0.00
0	-1694	-1695	-1296	-1287	M	L	0.00	1345.00	0.00
0	-156	-158	-1682	-1681	M	L	0.00	1345.00	0.00
0	-725	-734	-736	-727	M	L	0.00	1345.00	0.00
0	-727	-736	-738	-729	M	L	0.00	1345.00	0.00
0	-729	-738	-740	-731	M	L	0.00	1345.00	0.00
0	-731	-740	-465	-464	M	L	0.00	1345.00	0.00
0	-162	-164	-1685	-1684	M	L	0.00	1345.00	0.00
0	-734	-743	-745	-736	M	L	0.00	1345.00	0.00
0	-736	-745	-747	-738	M	L	0.00	1345.00	0.00
0	-738	-747	-749	-740	M	L	0.00	1345.00	0.00
0	-740	-749	-4	-465	M	L	0.00	1345.00	0.00
0	-164	-166	-1686	-1685	M	L	0.00	1345.00	0.00
0	-743	-752	-754	-745	M	L	0.00	1345.00	0.00
0	-745	-754	-756	-747	M	L	0.00	1345.00	0.00
0	-747	-756	-758	-749	M	L	0.00	1345.00	0.00
0	-749	-758	-16	-4	M	L	0.00	1345.00	0.00
0	-166	2	-1687	-1686	M	L	0.00	1345.00	0.00
0	-752	-761	-763	-754	M	L	0.00	1345.00	0.00
0	-754	-763	-765	-756	M	L	0.00	1345.00	0.00
0	-756	-765	-767	-758	M	L	0.00	1345.00	0.00
0	-758	-767	-14	-16	M	L	0.00	1345.00	0.00
0	-160	-162	-1684	-1683	M	L	0.00	1345.00	0.00
0	-158	-160	-1683	-1682	M	L	0.00	1345.00	0.00
0	-1682	-1683	-743	-734	M	L	0.00	1345.00	0.00
0	-761	-770	-772	-763	M	L	0.00	1345.00	0.00
0	-1671	-1672	-644	-635	M	L	0.00	1345.00	0.00
0	-763	-772	-774	-765	M	L	0.00	1345.00	0.00
0	-1660	-1661	-545	-536	M	L	0.00	1345.00	0.00
0	-765	-774	-776	-767	M	L	0.00	1345.00	0.00
0	-1650	-1649	-360	-356	M	L	0.00	-1345.00	0.00
0	-767	-776	-466	-14	M	L	0.00	1345.00	0.00
0	-1692	-1693	-1278	-1269	M	L	0.00	1345.00	0.00
0	-1681	-1682	-734	-725	M	L	0.00	1345.00	0.00
0	-770	-469	-472	-772	M	L	0.00	1345.00	0.00
0	-1670	-1671	-635	-626	M	L	0.00	1345.00	0.00
0	-772	-472	-475	-774	M	L	0.00	1345.00	0.00
0	-1659	-1660	-536	-527	M	L	0.00	1345.00	0.00
0	-774	-475	-478	-776	M	L	0.00	1345.00	0.00
0	-1649	-1648	-364	-360	M	L	0.00	-1345.00	0.00
0	-776	-478	6	-466	M	L	0.00	1345.00	0.00
0	-1691	-1692	-1269	-1260	M	L	0.00	1345.00	0.00
0	2	-1131	-1688	-1687	M	L	0.00	1345.00	0.00
0	-1680	-1681	-725	-716	M	L	0.00	1345.00	0.00
0	-469	-1233	-1235	-472	M	L	0.00	1345.00	0.00

0	-1669	-1670	-626	-617	M	L	0.00	1345.00	0.00
0	-472	-1235	-1237	-475	M	L	0.00	1345.00	0.00
0	-1658	-1659	-527	-518	M	L	0.00	1345.00	0.00
0	-475	-1237	-1239	-478	M	L	0.00	1345.00	0.00
0	-1648	-1647	-368	-364	M	L	0.00	-1345.00	0.00
0	-478	-1239	-1213	6	M	L	0.00	1345.00	0.00
0	-1690	-1691	-1260	-1251	M	L	0.00	1345.00	0.00
0	-1131	-1130	-1689	-1688	M	L	0.00	1345.00	0.00
0	-1679	-1680	-716	-707	M	L	0.00	1345.00	0.00
0	-1233	-1242	-1244	-1235	M	L	0.00	1345.00	0.00
0	-1668	-1669	-617	-608	M	L	0.00	1345.00	0.00
0	-1235	-1244	-1246	-1237	M	L	0.00	1345.00	0.00
0	-1657	-1658	-518	-509	M	L	0.00	1345.00	0.00
0	-1237	-1246	-1248	-1239	M	L	0.00	1345.00	0.00
0	-1647	-1646	-372	-368	M	L	0.00	-1345.00	0.00
0	-1239	-1248	-1214	-1213	M	L	0.00	1345.00	0.00
0	-1689	-1690	-1251	-1242	M	L	0.00	1345.00	0.00
0	-1130	-1129	-1690	-1689	M	L	0.00	1345.00	0.00
0	-1678	-1679	-707	-698	M	L	0.00	1345.00	0.00
0	-1242	-1251	-1253	-1244	M	L	0.00	1345.00	0.00
0	-1667	-1668	-608	-599	M	L	0.00	1345.00	0.00
0	-1244	-1253	-1255	-1246	M	L	0.00	1345.00	0.00
0	-1656	-1657	-509	-500	M	L	0.00	1345.00	0.00
0	-1246	-1255	-1257	-1248	M	L	0.00	1345.00	0.00
0	-1646	-1645	-376	-372	M	L	0.00	-1345.00	0.00
0	-1248	-1257	-1215	-1214	M	L	0.00	1345.00	0.00
0	-1688	-1689	-1242	-1233	M	L	0.00	1345.00	0.00
0	-1129	-29	-1691	-1690	M	L	0.00	1345.00	0.00
0	-1677	-1678	-698	-689	M	L	0.00	1345.00	0.00
0	-1251	-1260	-1262	-1253	M	L	0.00	1345.00	0.00
0	-1666	-1667	-599	-590	M	L	0.00	1345.00	0.00
0	-1253	-1262	-1264	-1255	M	L	0.00	1345.00	0.00
0	-1655	-1656	-500	-491	M	L	0.00	1345.00	0.00
0	-1255	-1264	-1266	-1257	M	L	0.00	1345.00	0.00
0	-1645	-1644	-380	-376	M	L	0.00	-1345.00	0.00
0	-1257	-1266	-1216	-1215	M	L	0.00	1345.00	0.00
0	-1687	-1688	-1233	-469	M	L	0.00	1345.00	0.00
0	-29	-965	-1692	-1691	M	L	0.00	1345.00	0.00
0	-1676	-1677	-689	-680	M	L	0.00	1345.00	0.00
0	-1260	-1269	-1271	-1262	M	L	0.00	1345.00	0.00
0	-1665	-1666	-590	-581	M	L	0.00	1345.00	0.00
0	-1262	-1271	-1273	-1264	M	L	0.00	1345.00	0.00
0	-1654	-1655	-491	-482	M	L	0.00	1345.00	0.00
0	-1264	-1273	-1275	-1266	M	L	0.00	1345.00	0.00
0	-1644	-1643	-384	-380	M	L	0.00	-1345.00	0.00
0	-1266	-1275	-1217	-1216	M	L	0.00	1345.00	0.00
0	-1686	-1687	-469	-770	M	L	0.00	1345.00	0.00
0	-965	-964	-1693	-1692	M	L	0.00	1345.00	0.00
0	-1675	-1676	-680	-671	M	L	0.00	1345.00	0.00
0	-1269	-1278	-1280	-1271	M	L	0.00	1345.00	0.00
0	-1664	-1665	-581	-572	M	L	0.00	1345.00	0.00
0	-1271	-1280	-1282	-1273	M	L	0.00	1345.00	0.00
0	-1653	-1654	-482	-341	M	L	0.00	1345.00	0.00
0	-1273	-1282	-1284	-1275	M	L	0.00	1345.00	0.00
0	-1643	-1642	-340	-384	M	L	0.00	-1345.00	0.00
0	-1275	-1284	-1218	-1217	M	L	0.00	1345.00	0.00
0	-1685	-1686	-770	-761	M	L	0.00	1345.00	0.00
0	-964	-963	-1694	-1693	M	L	0.00	1345.00	0.00
0	-1674	-1675	-671	-662	M	L	0.00	1345.00	0.00
0	-1278	-1287	-1289	-1280	M	L	0.00	1345.00	0.00
0	-1663	-1664	-572	-563	M	L	0.00	1345.00	0.00
0	-1280	-1289	-1291	-1282	M	L	0.00	1345.00	0.00
0	-1653	-1652	-348	-341	M	L	0.00	-1345.00	0.00
0	-1282	-1291	-1293	-1284	M	L	0.00	1345.00	0.00
0	-1284	-1293	-1219	-1218	M	L	0.00	1345.00	0.00
0	-1684	-1685	-761	-752	M	L	0.00	1345.00	0.00
0	-963	-962	-1695	-1694	M	L	0.00	1345.00	0.00
0	-1673	-1674	-662	-653	M	L	0.00	1345.00	0.00
0	-1287	-1296	-1298	-1289	M	L	0.00	1345.00	0.00
0	-1662	-1663	-563	-554	M	L	0.00	1345.00	0.00
0	-1289	-1298	-1300	-1291	M	L	0.00	1345.00	0.00
0	-1652	-1651	-352	-348	M	L	0.00	-1345.00	0.00
0	-1291	-1300	-1302	-1293	M	L	0.00	1345.00	0.00
0	-1293	-1302	-1220	-1219	M	L	0.00	1345.00	0.00
0	-1683	-1684	-752	-743	M	L	0.00	1345.00	0.00
0	-962	-961	-1696	-1695	M	L	0.00	1345.00	0.00
0	-1672	-1673	-653	-644	M	L	0.00	1345.00	0.00
0	-1296	-1305	-1307	-1298	M	L	0.00	1345.00	0.00
0	-1661	-1662	-554	-545	M	L	0.00	1345.00	0.00

0	-1298	-1307	-1309	-1300	M	L	0.00	1345.00	0.00
0	-1651	-1650	-356	-352	M	L	0.00	-1345.00	0.00
0	-1300	-1309	-1311	-1302	M	L	0.00	1345.00	0.00
0	-1302	-1311	-1221	-1220	M	L	0.00	1345.00	0.00
0	-960	3	-1698	-1697	M	L	0.00	1345.00	0.00
0	-961	-960	-1697	-1696	M	L	0.00	1345.00	0.00
0	-1314	-1224	-1226	-1316	M	L	0.00	1345.00	0.00
0	-1305	-1314	-1316	-1307	M	L	0.00	1345.00	0.00
0	-1316	-1226	-1228	-1318	M	L	0.00	1345.00	0.00
0	-1307	-1316	-1318	-1309	M	L	0.00	1345.00	0.00
0	-1318	-1228	-1230	-1320	M	L	0.00	1345.00	0.00
0	-1309	-1318	-1320	-1311	M	L	0.00	1345.00	0.00
0	-1320	-1230	-24	-1222	M	L	0.00	1345.00	0.00
0	-1311	-1320	-1222	-1221	M	L	0.00	1345.00	0.00
0	-1333	-1340	-1341	-1335	M	L	0.00	1345.00	0.00
0	-1335	-1341	-1342	-1337	M	L	0.00	1345.00	0.00
0	-1337	-1342	-1343	-1339	M	L	0.00	1345.00	0.00
0	-1339	-1343	-1322	8	M	L	0.00	1345.00	0.00
0	-1213	-1214	-1344	-1340	M	L	0.00	1345.00	0.00
0	-1340	-1344	-1345	-1341	M	L	0.00	1345.00	0.00
0	-1341	-1345	-1346	-1342	M	L	0.00	1345.00	0.00
0	-1342	-1346	-1347	-1343	M	L	0.00	1345.00	0.00
0	-1343	-1347	-1323	-1322	M	L	0.00	1345.00	0.00
0	-1214	-1215	-1348	-1344	M	L	0.00	1345.00	0.00
0	-1344	-1348	-1349	-1345	M	L	0.00	1345.00	0.00
0	-1345	-1349	-1350	-1346	M	L	0.00	1345.00	0.00
0	-1346	-1350	-1351	-1347	M	L	0.00	1345.00	0.00
0	-1347	-1351	-1324	-1323	M	L	0.00	1345.00	0.00
0	-1215	-1216	-1352	-1348	M	L	0.00	1345.00	0.00
0	-1348	-1352	-1353	-1349	M	L	0.00	1345.00	0.00
0	-1349	-1353	-1354	-1350	M	L	0.00	1345.00	0.00
0	-1350	-1354	-1355	-1351	M	L	0.00	1345.00	0.00
0	-1351	-1355	-1325	-1324	M	L	0.00	1345.00	0.00
0	-1216	-1217	-1356	-1352	M	L	0.00	1345.00	0.00
0	-1352	-1356	-1357	-1353	M	L	0.00	1345.00	0.00
0	-1353	-1357	-1358	-1354	M	L	0.00	1345.00	0.00
0	-1354	-1358	-1359	-1355	M	L	0.00	1345.00	0.00
0	-1355	-1359	-1326	-1325	M	L	0.00	1345.00	0.00
0	-1217	-1218	-1360	-1356	M	L	0.00	1345.00	0.00
0	-1356	-1360	-1361	-1357	M	L	0.00	1345.00	0.00
0	-1357	-1361	-1362	-1358	M	L	0.00	1345.00	0.00
0	-1358	-1362	-1363	-1359	M	L	0.00	1345.00	0.00
0	-1359	-1363	-1327	-1326	M	L	0.00	1345.00	0.00
0	-1218	-1219	-1364	-1360	M	L	0.00	1345.00	0.00
0	-1360	-1364	-1365	-1361	M	L	0.00	1345.00	0.00
0	-1361	-1365	-1366	-1362	M	L	0.00	1345.00	0.00
0	-1362	-1366	-1367	-1363	M	L	0.00	1345.00	0.00
0	-1363	-1367	-1328	-1327	M	L	0.00	1345.00	0.00
0	-1219	-1220	-1368	-1364	M	L	0.00	1345.00	0.00
0	-1364	-1368	-1369	-1365	M	L	0.00	1345.00	0.00
0	-1365	-1369	-1370	-1366	M	L	0.00	1345.00	0.00
0	-1366	-1370	-1371	-1367	M	L	0.00	1345.00	0.00
0	-1367	-1371	-1329	-1328	M	L	0.00	1345.00	0.00
0	-1220	-1221	-1372	-1368	M	L	0.00	1345.00	0.00
0	-1368	-1372	-1373	-1369	M	L	0.00	1345.00	0.00
0	-1369	-1373	-1374	-1370	M	L	0.00	1345.00	0.00
0	-1370	-1374	-1375	-1371	M	L	0.00	1345.00	0.00
0	-1371	-1375	-1330	-1329	M	L	0.00	1345.00	0.00
0	-1221	-1222	-1376	-1372	M	L	0.00	1345.00	0.00
0	-1372	-1376	-1377	-1373	M	L	0.00	1345.00	0.00
0	-1373	-1377	-1378	-1374	M	L	0.00	1345.00	0.00
0	-1374	-1378	-1379	-1375	M	L	0.00	1345.00	0.00
0	-1375	-1379	-1331	-1330	M	L	0.00	1345.00	0.00
0	-1222	-24	-1332	-1376	M	L	0.00	1345.00	0.00
0	-1376	-1332	-1334	-1377	M	L	0.00	1345.00	0.00
0	-1377	-1334	-1336	-1378	M	L	0.00	1345.00	0.00
0	-1378	-1336	-1338	-1379	M	L	0.00	1345.00	0.00
0	-1379	-1338	10	-1331	M	L	0.00	1345.00	0.00
0	-399	-1453	-1454	-401	M	L	0.00	1345.00	0.00
0	-401	-1454	-1455	-403	M	L	0.00	1345.00	0.00
0	-403	-1455	-1456	-405	M	L	0.00	1345.00	0.00
0	-405	-1456	-1392	7	M	L	0.00	1345.00	0.00
0	-446	-447	-1457	-1453	M	L	0.00	1345.00	0.00
0	-1453	-1457	-1458	-1454	M	L	0.00	1345.00	0.00
0	-1454	-1458	-1459	-1455	M	L	0.00	1345.00	0.00
0	-1455	-1459	-1460	-1456	M	L	0.00	1345.00	0.00
0	-1456	-1460	-1393	-1392	M	L	0.00	1345.00	0.00
0	-447	-448	-1461	-1457	M	L	0.00	1345.00	0.00
0	-1457	-1461	-1462	-1458	M	L	0.00	1345.00	0.00

0	-1458	-1462	-1463	-1459	M	L	0.00	1345.00	0.00
0	-1459	-1463	-1464	-1460	M	L	0.00	1345.00	0.00
0	-1460	-1464	-1394	-1393	M	L	0.00	1345.00	0.00
0	-448	-6	-1465	-1461	M	L	0.00	1345.00	0.00
0	-1461	-1465	-1466	-1462	M	L	0.00	1345.00	0.00
0	-1462	-1466	-1467	-1463	M	L	0.00	1345.00	0.00
0	-1463	-1467	-1468	-1464	M	L	0.00	1345.00	0.00
0	-1464	-1468	-1395	-1394	M	L	0.00	1345.00	0.00
0	-1468	-1476	-1398	-1395	M	L	0.00	1345.00	0.00
0	-6	-449	-1473	-1465	M	L	0.00	1345.00	0.00
0	-1465	-1473	-1474	-1466	M	L	0.00	1345.00	0.00
0	-1466	-1474	-1475	-1467	M	L	0.00	1345.00	0.00
0	-1467	-1475	-1476	-1468	M	L	0.00	1345.00	0.00
0	-449	-8	-1481	-1473	M	L	0.00	1345.00	0.00
0	-1473	-1481	-1482	-1474	M	L	0.00	1345.00	0.00
0	-1474	-1482	-1483	-1475	M	L	0.00	1345.00	0.00
0	-1475	-1483	-1484	-1476	M	L	0.00	1345.00	0.00
0	-1476	-1484	-1401	-1398	M	L	0.00	1345.00	0.00
0	-1484	-1492	-1404	-1401	M	L	0.00	1345.00	0.00
0	-8	-450	-1489	-1481	M	L	0.00	1345.00	0.00
0	-1481	-1489	-1490	-1482	M	L	0.00	1345.00	0.00
0	-1482	-1490	-1491	-1483	M	L	0.00	1345.00	0.00
0	-1483	-1491	-1492	-1484	M	L	0.00	1345.00	0.00
0	-450	-451	-1497	-1489	M	L	0.00	1345.00	0.00
0	-1489	-1497	-1498	-1490	M	L	0.00	1345.00	0.00
0	-1490	-1498	-1499	-1491	M	L	0.00	1345.00	0.00
0	-1491	-1499	-1500	-1492	M	L	0.00	1345.00	0.00
0	-1492	-1500	-1407	-1404	M	L	0.00	1345.00	0.00
0	-451	-452	-1505	-1497	M	L	0.00	1345.00	0.00
0	-1497	-1505	-1506	-1498	M	L	0.00	1345.00	0.00
0	-1498	-1506	-1507	-1499	M	L	0.00	1345.00	0.00
0	-1499	-1507	-1508	-1500	M	L	0.00	1345.00	0.00
0	-1500	-1508	-1410	-1407	M	L	0.00	1345.00	0.00
0	-452	-2	-1513	-1505	M	L	0.00	1345.00	0.00
0	-1505	-1513	-1514	-1506	M	L	0.00	1345.00	0.00
0	-1506	-1514	-1515	-1507	M	L	0.00	1345.00	0.00
0	-1507	-1515	-1516	-1508	M	L	0.00	1345.00	0.00
0	-1508	-1516	-1413	-1410	M	L	0.00	1345.00	0.00
0	-2	-453	-1517	-1513	M	L	0.00	1345.00	0.00
0	-1513	-1517	-1518	-1514	M	L	0.00	1345.00	0.00
0	-1514	-1518	-1519	-1515	M	L	0.00	1345.00	0.00
0	-1515	-1519	-1520	-1516	M	L	0.00	1345.00	0.00
0	-1516	-1520	-1414	-1413	M	L	0.00	1345.00	0.00
0	-453	-9	-1521	-1517	M	L	0.00	1345.00	0.00
0	-1517	-1521	-1522	-1518	M	L	0.00	1345.00	0.00
0	-1518	-1522	-1523	-1519	M	L	0.00	1345.00	0.00
0	-1519	-1523	-1524	-1520	M	L	0.00	1345.00	0.00
0	-1520	-1524	-1415	-1414	M	L	0.00	1345.00	0.00
0	-9	-454	-1525	-1521	M	L	0.00	1345.00	0.00
0	-1521	-1525	-1526	-1522	M	L	0.00	1345.00	0.00
0	-1522	-1526	-1527	-1523	M	L	0.00	1345.00	0.00
0	-1523	-1527	-1528	-1524	M	L	0.00	1345.00	0.00
0	-1524	-1528	-1416	-1415	M	L	0.00	1345.00	0.00
0	-454	-455	-1529	-1525	M	L	0.00	1345.00	0.00
0	-1525	-1529	-1530	-1526	M	L	0.00	1345.00	0.00
0	-1526	-1530	-1531	-1527	M	L	0.00	1345.00	0.00
0	-1527	-1531	-1532	-1528	M	L	0.00	1345.00	0.00
0	-1528	-1532	-1417	-1416	M	L	0.00	1345.00	0.00
0	-455	-456	-1533	-1529	M	L	0.00	1345.00	0.00
0	-1529	-1533	-1534	-1530	M	L	0.00	1345.00	0.00
0	-1530	-1534	-1535	-1531	M	L	0.00	1345.00	0.00
0	-1531	-1535	-1536	-1532	M	L	0.00	1345.00	0.00
0	-1532	-1536	-1418	-1417	M	L	0.00	1345.00	0.00
0	-456	-457	-1537	-1533	M	L	0.00	1345.00	0.00
0	-1533	-1537	-1538	-1534	M	L	0.00	1345.00	0.00
0	-1534	-1538	-1539	-1535	M	L	0.00	1345.00	0.00
0	-1535	-1539	-1540	-1536	M	L	0.00	1345.00	0.00
0	-1536	-1540	-1419	-1418	M	L	0.00	1345.00	0.00
0	-457	-7	-1541	-1537	M	L	0.00	1345.00	0.00
0	-1537	-1541	-1542	-1538	M	L	0.00	1345.00	0.00
0	-1538	-1542	-1543	-1539	M	L	0.00	1345.00	0.00
0	-1539	-1543	-1544	-1540	M	L	0.00	1345.00	0.00
0	-1540	-1544	-1420	-1419	M	L	0.00	1345.00	0.00
0	-7	-12	-1545	-1541	M	L	0.00	1345.00	0.00
0	-1541	-1545	-1546	-1542	M	L	0.00	1345.00	0.00
0	-1542	-1546	-1547	-1543	M	L	0.00	1345.00	0.00
0	-1543	-1547	-1548	-1544	M	L	0.00	1345.00	0.00
0	-1544	-1548	-1421	-1420	M	L	0.00	1345.00	0.00
0	-12	-1	-1549	-1545	M	L	0.00	1345.00	0.00

0	-1545	-1549	-1550	-1546	M	L	0.00	1345.00	0.00
0	-1546	-1550	-1551	-1547	M	L	0.00	1345.00	0.00
0	-1547	-1551	-1552	-1548	M	L	0.00	1345.00	0.00
0	-1548	-1552	-1422	-1421	M	L	0.00	1345.00	0.00
0	-1	-458	-1557	-1549	M	L	0.00	1345.00	0.00
0	-1549	-1557	-1558	-1550	M	L	0.00	1345.00	0.00
0	-1550	-1558	-1559	-1551	M	L	0.00	1345.00	0.00
0	-1551	-1559	-1560	-1552	M	L	0.00	1345.00	0.00
0	-1552	-1560	-1425	-1422	M	L	0.00	1345.00	0.00
0	-458	-459	-1565	-1557	M	L	0.00	1345.00	0.00
0	-1557	-1565	-1566	-1558	M	L	0.00	1345.00	0.00
0	-1558	-1566	-1567	-1559	M	L	0.00	1345.00	0.00
0	-1559	-1567	-1568	-1560	M	L	0.00	1345.00	0.00
0	-1560	-1568	-1428	-1425	M	L	0.00	1345.00	0.00
0	-459	-460	-1573	-1565	M	L	0.00	1345.00	0.00
0	-1565	-1573	-1574	-1566	M	L	0.00	1345.00	0.00
0	-1566	-1574	-1575	-1567	M	L	0.00	1345.00	0.00
0	-1567	-1575	-1576	-1568	M	L	0.00	1345.00	0.00
0	-1568	-1576	-1431	-1428	M	L	0.00	1345.00	0.00
0	-1576	-1584	-1434	-1431	M	L	0.00	1345.00	0.00
0	-460	-5	-1581	-1573	M	L	0.00	1345.00	0.00
0	-1573	-1581	-1582	-1574	M	L	0.00	1345.00	0.00
0	-1574	-1582	-1583	-1575	M	L	0.00	1345.00	0.00
0	-1575	-1583	-1584	-1576	M	L	0.00	1345.00	0.00
0	-5	-461	-1585	-1581	M	L	0.00	1345.00	0.00
0	-1581	-1585	-1586	-1582	M	L	0.00	1345.00	0.00
0	-1582	-1586	-1587	-1583	M	L	0.00	1345.00	0.00
0	-1583	-1587	-1588	-1584	M	L	0.00	1345.00	0.00
0	-1584	-1588	-1435	-1434	M	L	0.00	1345.00	0.00
0	-461	-3	-1589	-1585	M	L	0.00	1345.00	0.00
0	-1585	-1589	-1590	-1586	M	L	0.00	1345.00	0.00
0	-1586	-1590	-1591	-1587	M	L	0.00	1345.00	0.00
0	-1587	-1591	-1592	-1588	M	L	0.00	1345.00	0.00
0	-1588	-1592	-1436	-1435	M	L	0.00	1345.00	0.00
0	-3	-462	-1593	-1589	M	L	0.00	1345.00	0.00
0	-1589	-1593	-1594	-1590	M	L	0.00	1345.00	0.00
0	-1590	-1594	-1595	-1591	M	L	0.00	1345.00	0.00
0	-1591	-1595	-1596	-1592	M	L	0.00	1345.00	0.00
0	-1592	-1596	-1437	-1436	M	L	0.00	1345.00	0.00
0	-462	-463	-1597	-1593	M	L	0.00	1345.00	0.00
0	-1593	-1597	-1598	-1594	M	L	0.00	1345.00	0.00
0	-1594	-1598	-1599	-1595	M	L	0.00	1345.00	0.00
0	-1595	-1599	-1600	-1596	M	L	0.00	1345.00	0.00
0	-1596	-1600	-1438	-1437	M	L	0.00	1345.00	0.00
0	-463	-464	-1601	-1597	M	L	0.00	1345.00	0.00
0	-1597	-1601	-1602	-1598	M	L	0.00	1345.00	0.00
0	-1598	-1602	-1603	-1599	M	L	0.00	1345.00	0.00
0	-1599	-1603	-1604	-1600	M	L	0.00	1345.00	0.00
0	-1600	-1604	-1439	-1438	M	L	0.00	1345.00	0.00
0	-464	-465	-1605	-1601	M	L	0.00	1345.00	0.00
0	-1601	-1605	-1606	-1602	M	L	0.00	1345.00	0.00
0	-1602	-1606	-1607	-1603	M	L	0.00	1345.00	0.00
0	-1603	-1607	-1608	-1604	M	L	0.00	1345.00	0.00
0	-1604	-1608	-1440	-1439	M	L	0.00	1345.00	0.00
0	-465	-4	-1609	-1605	M	L	0.00	1345.00	0.00
0	-1605	-1609	-1610	-1606	M	L	0.00	1345.00	0.00
0	-1606	-1610	-1611	-1607	M	L	0.00	1345.00	0.00
0	-1607	-1611	-1612	-1608	M	L	0.00	1345.00	0.00
0	-1608	-1612	-1441	-1440	M	L	0.00	1345.00	0.00
0	-4	-16	-1617	-1609	M	L	0.00	1345.00	0.00
0	-1609	-1617	-1618	-1610	M	L	0.00	1345.00	0.00
0	-1610	-1618	-1619	-1611	M	L	0.00	1345.00	0.00
0	-1611	-1619	-1620	-1612	M	L	0.00	1345.00	0.00
0	-1612	-1620	-1444	-1441	M	L	0.00	1345.00	0.00
0	-16	-14	-1625	-1617	M	L	0.00	1345.00	0.00
0	-1617	-1625	-1626	-1618	M	L	0.00	1345.00	0.00
0	-1618	-1626	-1627	-1619	M	L	0.00	1345.00	0.00
0	-1619	-1627	-1628	-1620	M	L	0.00	1345.00	0.00
0	-1620	-1628	-1447	-1444	M	L	0.00	1345.00	0.00
0	-14	-466	-1633	-1625	M	L	0.00	1345.00	0.00
0	-1625	-1633	-1634	-1626	M	L	0.00	1345.00	0.00
0	-1626	-1634	-1635	-1627	M	L	0.00	1345.00	0.00
0	-1627	-1635	-1636	-1628	M	L	0.00	1345.00	0.00
0	-1628	-1636	-1450	-1447	M	L	0.00	1345.00	0.00
0	-1636	-1339	8	-1450	M	L	0.00	1345.00	0.00
0	-466	6	-1333	-1633	M	L	0.00	1345.00	0.00
0	-1633	-1333	-1335	-1634	M	L	0.00	1345.00	0.00
0	-1634	-1335	-1337	-1635	M	L	0.00	1345.00	0.00
0	-1635	-1337	-1339	-1636	M	L	0.00	1345.00	0.00

Condizione di carico n. 19: Spinta inerziale terreno
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	5	-446	-1453	-399	M	L	0.00	4920.00	0.00
0	5	-330	-406	-399	M	L	0.00	-4920.00	0.00
0	-1693	-1694	-1287	-1278	M	L	0.00	4920.00	0.00
0	6	-1213	-1340	-1333	M	L	0.00	4920.00	0.00
0	-341	-348	-349	-343	M	L	0.00	-4920.00	0.00
0	-343	-349	-350	-345	M	L	0.00	-4920.00	0.00
0	-345	-350	-351	-347	M	L	0.00	-4920.00	0.00
0	-347	-351	-330	5	M	L	0.00	-4920.00	0.00
0	-348	-352	-353	-349	M	L	0.00	-4920.00	0.00
0	-349	-353	-354	-350	M	L	0.00	-4920.00	0.00
0	-350	-354	-355	-351	M	L	0.00	-4920.00	0.00
0	-351	-355	-331	-330	M	L	0.00	-4920.00	0.00
0	-352	-356	-357	-353	M	L	0.00	-4920.00	0.00
0	-353	-357	-358	-354	M	L	0.00	-4920.00	0.00
0	-354	-358	-359	-355	M	L	0.00	-4920.00	0.00
0	-355	-359	-332	-331	M	L	0.00	-4920.00	0.00
0	-356	-360	-361	-357	M	L	0.00	-4920.00	0.00
0	-357	-361	-362	-358	M	L	0.00	-4920.00	0.00
0	-358	-362	-363	-359	M	L	0.00	-4920.00	0.00
0	-359	-363	-333	-332	M	L	0.00	-4920.00	0.00
0	-360	-364	-365	-361	M	L	0.00	-4920.00	0.00
0	-361	-365	-366	-362	M	L	0.00	-4920.00	0.00
0	-362	-366	-367	-363	M	L	0.00	-4920.00	0.00
0	-363	-367	-334	-333	M	L	0.00	-4920.00	0.00
0	-364	-368	-369	-365	M	L	0.00	-4920.00	0.00
0	-365	-369	-370	-366	M	L	0.00	-4920.00	0.00
0	-366	-370	-371	-367	M	L	0.00	-4920.00	0.00
0	-367	-371	-335	-334	M	L	0.00	-4920.00	0.00
0	-368	-372	-373	-369	M	L	0.00	-4920.00	0.00
0	-369	-373	-374	-370	M	L	0.00	-4920.00	0.00
0	-370	-374	-375	-371	M	L	0.00	-4920.00	0.00
0	-371	-375	-336	-335	M	L	0.00	-4920.00	0.00
0	-372	-376	-377	-373	M	L	0.00	-4920.00	0.00
0	-373	-377	-378	-374	M	L	0.00	-4920.00	0.00
0	-374	-378	-379	-375	M	L	0.00	-4920.00	0.00
0	-375	-379	-337	-336	M	L	0.00	-4920.00	0.00
0	-376	-380	-381	-377	M	L	0.00	-4920.00	0.00
0	-377	-381	-382	-378	M	L	0.00	-4920.00	0.00
0	-378	-382	-383	-379	M	L	0.00	-4920.00	0.00
0	-379	-383	-338	-337	M	L	0.00	-4920.00	0.00
0	-380	-384	-385	-381	M	L	0.00	-4920.00	0.00
0	-381	-385	-386	-382	M	L	0.00	-4920.00	0.00
0	-382	-386	-387	-383	M	L	0.00	-4920.00	0.00
0	-383	-387	-339	-338	M	L	0.00	-4920.00	0.00
0	-384	-340	-342	-385	M	L	0.00	-4920.00	0.00
0	-385	-342	-344	-386	M	L	0.00	-4920.00	0.00
0	-386	-344	-346	-387	M	L	0.00	-4920.00	0.00
0	-387	-346	-20	-339	M	L	0.00	-4920.00	0.00
0	-399	-406	-407	-401	M	L	0.00	-4920.00	0.00
0	-401	-407	-408	-403	M	L	0.00	-4920.00	0.00
0	-403	-408	-409	-405	M	L	0.00	-4920.00	0.00
0	-405	-409	-388	7	M	L	0.00	-4920.00	0.00
0	-330	-331	-410	-406	M	L	0.00	-4920.00	0.00
0	-406	-410	-411	-407	M	L	0.00	-4920.00	0.00
0	-407	-411	-412	-408	M	L	0.00	-4920.00	0.00
0	-408	-412	-413	-409	M	L	0.00	-4920.00	0.00
0	-409	-413	-389	-388	M	L	0.00	-4920.00	0.00
0	-331	-332	-414	-410	M	L	0.00	-4920.00	0.00
0	-410	-414	-415	-411	M	L	0.00	-4920.00	0.00
0	-411	-415	-416	-412	M	L	0.00	-4920.00	0.00
0	-412	-416	-417	-413	M	L	0.00	-4920.00	0.00
0	-413	-417	-390	-389	M	L	0.00	-4920.00	0.00
0	-332	-333	-418	-414	M	L	0.00	-4920.00	0.00
0	-414	-418	-419	-415	M	L	0.00	-4920.00	0.00
0	-415	-419	-420	-416	M	L	0.00	-4920.00	0.00
0	-416	-420	-421	-417	M	L	0.00	-4920.00	0.00
0	-417	-421	-391	-390	M	L	0.00	-4920.00	0.00
0	-333	-334	-422	-418	M	L	0.00	-4920.00	0.00
0	-418	-422	-423	-419	M	L	0.00	-4920.00	0.00
0	-419	-423	-424	-420	M	L	0.00	-4920.00	0.00
0	-420	-424	-425	-421	M	L	0.00	-4920.00	0.00
0	-421	-425	-392	-391	M	L	0.00	-4920.00	0.00
0	-334	-335	-426	-422	M	L	0.00	-4920.00	0.00
0	-422	-426	-427	-423	M	L	0.00	-4920.00	0.00

0	-423	-427	-428	-424	M	L	0.00	-4920.00	0.00
0	-424	-428	-429	-425	M	L	0.00	-4920.00	0.00
0	-425	-429	-393	-392	M	L	0.00	-4920.00	0.00
0	-335	-336	-430	-426	M	L	0.00	-4920.00	0.00
0	-426	-430	-431	-427	M	L	0.00	-4920.00	0.00
0	-427	-431	-432	-428	M	L	0.00	-4920.00	0.00
0	-428	-432	-433	-429	M	L	0.00	-4920.00	0.00
0	-429	-433	-394	-393	M	L	0.00	-4920.00	0.00
0	-336	-337	-434	-430	M	L	0.00	-4920.00	0.00
0	-430	-434	-435	-431	M	L	0.00	-4920.00	0.00
0	-431	-435	-436	-432	M	L	0.00	-4920.00	0.00
0	-432	-436	-437	-433	M	L	0.00	-4920.00	0.00
0	-433	-437	-395	-394	M	L	0.00	-4920.00	0.00
0	-337	-338	-438	-434	M	L	0.00	-4920.00	0.00
0	-434	-438	-439	-435	M	L	0.00	-4920.00	0.00
0	-435	-439	-440	-436	M	L	0.00	-4920.00	0.00
0	-436	-440	-441	-437	M	L	0.00	-4920.00	0.00
0	-437	-441	-396	-395	M	L	0.00	-4920.00	0.00
0	-338	-339	-442	-438	M	L	0.00	-4920.00	0.00
0	-438	-442	-443	-439	M	L	0.00	-4920.00	0.00
0	-439	-443	-444	-440	M	L	0.00	-4920.00	0.00
0	-440	-444	-445	-441	M	L	0.00	-4920.00	0.00
0	-441	-445	-397	-396	M	L	0.00	-4920.00	0.00
0	-339	-20	-398	-442	M	L	0.00	-4920.00	0.00
0	-442	-398	-400	-443	M	L	0.00	-4920.00	0.00
0	-443	-400	-402	-444	M	L	0.00	-4920.00	0.00
0	-444	-402	-404	-445	M	L	0.00	-4920.00	0.00
0	-445	-404	9	-397	M	L	0.00	-4920.00	0.00
0	-341	-482	-484	-343	M	L	0.00	4920.00	0.00
0	-343	-484	-486	-345	M	L	0.00	4920.00	0.00
0	-345	-486	-488	-347	M	L	0.00	4920.00	0.00
0	-347	-488	-446	5	M	L	0.00	4920.00	0.00
0	-482	-491	-493	-484	M	L	0.00	4920.00	0.00
0	-484	-493	-495	-486	M	L	0.00	4920.00	0.00
0	-486	-495	-497	-488	M	L	0.00	4920.00	0.00
0	-488	-497	-447	-446	M	L	0.00	4920.00	0.00
0	-491	-500	-502	-493	M	L	0.00	4920.00	0.00
0	-493	-502	-504	-495	M	L	0.00	4920.00	0.00
0	-495	-504	-506	-497	M	L	0.00	4920.00	0.00
0	-497	-506	-448	-447	M	L	0.00	4920.00	0.00
0	-500	-509	-511	-502	M	L	0.00	4920.00	0.00
0	-502	-511	-513	-504	M	L	0.00	4920.00	0.00
0	-504	-513	-515	-506	M	L	0.00	4920.00	0.00
0	-506	-515	-6	-448	M	L	0.00	4920.00	0.00
0	-509	-518	-520	-511	M	L	0.00	4920.00	0.00
0	-511	-520	-522	-513	M	L	0.00	4920.00	0.00
0	-513	-522	-524	-515	M	L	0.00	4920.00	0.00
0	-515	-524	-449	-6	M	L	0.00	4920.00	0.00
0	-518	-527	-529	-520	M	L	0.00	4920.00	0.00
0	-520	-529	-531	-522	M	L	0.00	4920.00	0.00
0	-522	-531	-533	-524	M	L	0.00	4920.00	0.00
0	-524	-533	-8	-449	M	L	0.00	4920.00	0.00
0	-527	-536	-538	-529	M	L	0.00	4920.00	0.00
0	-529	-538	-540	-531	M	L	0.00	4920.00	0.00
0	-531	-540	-542	-533	M	L	0.00	4920.00	0.00
0	-533	-542	-450	-8	M	L	0.00	4920.00	0.00
0	-536	-545	-547	-538	M	L	0.00	4920.00	0.00
0	-538	-547	-549	-540	M	L	0.00	4920.00	0.00
0	-540	-549	-551	-542	M	L	0.00	4920.00	0.00
0	-542	-551	-451	-450	M	L	0.00	4920.00	0.00
0	-545	-554	-556	-547	M	L	0.00	4920.00	0.00
0	-547	-556	-558	-549	M	L	0.00	4920.00	0.00
0	-549	-558	-560	-551	M	L	0.00	4920.00	0.00
0	-551	-560	-452	-451	M	L	0.00	4920.00	0.00
0	-554	-563	-565	-556	M	L	0.00	4920.00	0.00
0	-556	-565	-567	-558	M	L	0.00	4920.00	0.00
0	-558	-567	-569	-560	M	L	0.00	4920.00	0.00
0	-560	-569	-2	-452	M	L	0.00	4920.00	0.00
0	-563	-572	-574	-565	M	L	0.00	4920.00	0.00
0	-565	-574	-576	-567	M	L	0.00	4920.00	0.00
0	-567	-576	-578	-569	M	L	0.00	4920.00	0.00
0	-569	-578	-453	-2	M	L	0.00	4920.00	0.00
0	-572	-581	-583	-574	M	L	0.00	4920.00	0.00
0	-574	-583	-585	-576	M	L	0.00	4920.00	0.00
0	-576	-585	-587	-578	M	L	0.00	4920.00	0.00
0	-578	-587	-9	-453	M	L	0.00	4920.00	0.00
0	-581	-590	-592	-583	M	L	0.00	4920.00	0.00
0	-583	-592	-594	-585	M	L	0.00	4920.00	0.00
0	-585	-594	-596	-587	M	L	0.00	4920.00	0.00

0	-587	-596	-454	-9	M	L	0.00	4920.00	0.00
0	-590	-599	-601	-592	M	L	0.00	4920.00	0.00
0	-592	-601	-603	-594	M	L	0.00	4920.00	0.00
0	-594	-603	-605	-596	M	L	0.00	4920.00	0.00
0	-596	-605	-455	-454	M	L	0.00	4920.00	0.00
0	-599	-608	-610	-601	M	L	0.00	4920.00	0.00
0	-601	-610	-612	-603	M	L	0.00	4920.00	0.00
0	-603	-612	-614	-605	M	L	0.00	4920.00	0.00
0	-605	-614	-456	-455	M	L	0.00	4920.00	0.00
0	-608	-617	-619	-610	M	L	0.00	4920.00	0.00
0	-610	-619	-621	-612	M	L	0.00	4920.00	0.00
0	-612	-621	-623	-614	M	L	0.00	4920.00	0.00
0	-614	-623	-457	-456	M	L	0.00	4920.00	0.00
0	-617	-626	-628	-619	M	L	0.00	4920.00	0.00
0	-619	-628	-630	-621	M	L	0.00	4920.00	0.00
0	-621	-630	-632	-623	M	L	0.00	4920.00	0.00
0	-623	-632	-7	-457	M	L	0.00	4920.00	0.00
0	-626	-635	-637	-628	M	L	0.00	4920.00	0.00
0	-628	-637	-639	-630	M	L	0.00	4920.00	0.00
0	-630	-639	-641	-632	M	L	0.00	4920.00	0.00
0	-632	-641	-12	-7	M	L	0.00	4920.00	0.00
0	-635	-644	-646	-637	M	L	0.00	4920.00	0.00
0	-637	-646	-648	-639	M	L	0.00	4920.00	0.00
0	-639	-648	-650	-641	M	L	0.00	4920.00	0.00
0	-641	-650	-1	-12	M	L	0.00	4920.00	0.00
0	-644	-653	-655	-646	M	L	0.00	4920.00	0.00
0	-646	-655	-657	-648	M	L	0.00	4920.00	0.00
0	-648	-657	-659	-650	M	L	0.00	4920.00	0.00
0	-650	-659	-458	-1	M	L	0.00	4920.00	0.00
0	-653	-662	-664	-655	M	L	0.00	4920.00	0.00
0	-655	-664	-666	-657	M	L	0.00	4920.00	0.00
0	-657	-666	-668	-659	M	L	0.00	4920.00	0.00
0	-659	-668	-459	-458	M	L	0.00	4920.00	0.00
0	-662	-671	-673	-664	M	L	0.00	4920.00	0.00
0	-664	-673	-675	-666	M	L	0.00	4920.00	0.00
0	-666	-675	-677	-668	M	L	0.00	4920.00	0.00
0	-668	-677	-460	-459	M	L	0.00	4920.00	0.00
0	-671	-680	-682	-673	M	L	0.00	4920.00	0.00
0	-673	-682	-684	-675	M	L	0.00	4920.00	0.00
0	-675	-684	-686	-677	M	L	0.00	4920.00	0.00
0	-677	-686	-5	-460	M	L	0.00	4920.00	0.00
0	-680	-689	-691	-682	M	L	0.00	4920.00	0.00
0	-682	-691	-693	-684	M	L	0.00	4920.00	0.00
0	-684	-693	-695	-686	M	L	0.00	4920.00	0.00
0	-686	-695	-461	-5	M	L	0.00	4920.00	0.00
0	-689	-698	-700	-691	M	L	0.00	4920.00	0.00
0	-691	-700	-702	-693	M	L	0.00	4920.00	0.00
0	-693	-702	-704	-695	M	L	0.00	4920.00	0.00
0	-695	-704	-3	-461	M	L	0.00	4920.00	0.00
0	-1697	-1698	-1224	-1314	M	L	0.00	4920.00	0.00
0	-698	-707	-709	-700	M	L	0.00	4920.00	0.00
0	-700	-709	-711	-702	M	L	0.00	4920.00	0.00
0	-702	-711	-713	-704	M	L	0.00	4920.00	0.00
0	-704	-713	-462	-3	M	L	0.00	4920.00	0.00
0	-1696	-1697	-1314	-1305	M	L	0.00	4920.00	0.00
0	-707	-716	-718	-709	M	L	0.00	4920.00	0.00
0	-709	-718	-720	-711	M	L	0.00	4920.00	0.00
0	-711	-720	-722	-713	M	L	0.00	4920.00	0.00
0	-713	-722	-463	-462	M	L	0.00	4920.00	0.00
0	-1695	-1696	-1305	-1296	M	L	0.00	4920.00	0.00
0	-716	-725	-727	-718	M	L	0.00	4920.00	0.00
0	-718	-727	-729	-720	M	L	0.00	4920.00	0.00
0	-720	-729	-731	-722	M	L	0.00	4920.00	0.00
0	-722	-731	-464	-463	M	L	0.00	4920.00	0.00
0	-1694	-1695	-1296	-1287	M	L	0.00	4920.00	0.00
0	-725	-734	-736	-727	M	L	0.00	4920.00	0.00
0	-727	-736	-738	-729	M	L	0.00	4920.00	0.00
0	-729	-738	-740	-731	M	L	0.00	4920.00	0.00
0	-731	-740	-465	-464	M	L	0.00	4920.00	0.00
0	-734	-743	-745	-736	M	L	0.00	4920.00	0.00
0	-736	-745	-747	-738	M	L	0.00	4920.00	0.00
0	-738	-747	-749	-740	M	L	0.00	4920.00	0.00
0	-740	-749	-4	-465	M	L	0.00	4920.00	0.00
0	-743	-752	-754	-745	M	L	0.00	4920.00	0.00
0	-745	-754	-756	-747	M	L	0.00	4920.00	0.00
0	-747	-756	-758	-749	M	L	0.00	4920.00	0.00
0	-749	-758	-16	-4	M	L	0.00	4920.00	0.00
0	-752	-761	-763	-754	M	L	0.00	4920.00	0.00
0	-754	-763	-765	-756	M	L	0.00	4920.00	0.00

0	-756	-765	-767	-758	M	L	0.00	4920.00	0.00
0	-758	-767	-14	-16	M	L	0.00	4920.00	0.00
0	-1682	-1683	-743	-734	M	L	0.00	4920.00	0.00
0	-761	-770	-772	-763	M	L	0.00	4920.00	0.00
0	-1671	-1672	-644	-635	M	L	0.00	4920.00	0.00
0	-763	-772	-774	-765	M	L	0.00	4920.00	0.00
0	-1660	-1661	-545	-536	M	L	0.00	4920.00	0.00
0	-765	-774	-776	-767	M	L	0.00	4920.00	0.00
0	-1650	-1649	-360	-356	M	L	0.00	-4920.00	0.00
0	-767	-776	-466	-14	M	L	0.00	4920.00	0.00
0	-1692	-1693	-1278	-1269	M	L	0.00	4920.00	0.00
0	-1681	-1682	-734	-725	M	L	0.00	4920.00	0.00
0	-770	-469	-472	-772	M	L	0.00	4920.00	0.00
0	-1670	-1671	-635	-626	M	L	0.00	4920.00	0.00
0	-772	-472	-475	-774	M	L	0.00	4920.00	0.00
0	-1659	-1660	-536	-527	M	L	0.00	4920.00	0.00
0	-774	-475	-478	-776	M	L	0.00	4920.00	0.00
0	-1649	-1648	-364	-360	M	L	0.00	-4920.00	0.00
0	-776	-478	6	-466	M	L	0.00	4920.00	0.00
0	-1691	-1692	-1269	-1260	M	L	0.00	4920.00	0.00
0	-1680	-1681	-725	-716	M	L	0.00	4920.00	0.00
0	-469	-1233	-1235	-472	M	L	0.00	4920.00	0.00
0	-1669	-1670	-626	-617	M	L	0.00	4920.00	0.00
0	-472	-1235	-1237	-475	M	L	0.00	4920.00	0.00
0	-1658	-1659	-527	-518	M	L	0.00	4920.00	0.00
0	-475	-1237	-1239	-478	M	L	0.00	4920.00	0.00
0	-1648	-1647	-368	-364	M	L	0.00	-4920.00	0.00
0	-478	-1239	-1213	6	M	L	0.00	4920.00	0.00
0	-1690	-1691	-1260	-1251	M	L	0.00	4920.00	0.00
0	-1679	-1680	-716	-707	M	L	0.00	4920.00	0.00
0	-1233	-1242	-1244	-1235	M	L	0.00	4920.00	0.00
0	-1668	-1669	-617	-608	M	L	0.00	4920.00	0.00
0	-1235	-1244	-1246	-1237	M	L	0.00	4920.00	0.00
0	-1657	-1658	-518	-509	M	L	0.00	4920.00	0.00
0	-1237	-1246	-1248	-1239	M	L	0.00	4920.00	0.00
0	-1647	-1646	-372	-368	M	L	0.00	-4920.00	0.00
0	-1239	-1248	-1214	-1213	M	L	0.00	4920.00	0.00
0	-1689	-1690	-1251	-1242	M	L	0.00	4920.00	0.00
0	-1678	-1679	-707	-698	M	L	0.00	4920.00	0.00
0	-1242	-1251	-1253	-1244	M	L	0.00	4920.00	0.00
0	-1667	-1668	-608	-599	M	L	0.00	4920.00	0.00
0	-1244	-1253	-1255	-1246	M	L	0.00	4920.00	0.00
0	-1656	-1657	-509	-500	M	L	0.00	4920.00	0.00
0	-1246	-1255	-1257	-1248	M	L	0.00	4920.00	0.00
0	-1646	-1645	-376	-372	M	L	0.00	-4920.00	0.00
0	-1248	-1257	-1215	-1214	M	L	0.00	4920.00	0.00
0	-1688	-1689	-1242	-1233	M	L	0.00	4920.00	0.00
0	-1677	-1678	-698	-689	M	L	0.00	4920.00	0.00
0	-1251	-1260	-1262	-1253	M	L	0.00	4920.00	0.00
0	-1666	-1667	-599	-590	M	L	0.00	4920.00	0.00
0	-1253	-1262	-1264	-1255	M	L	0.00	4920.00	0.00
0	-1655	-1656	-500	-491	M	L	0.00	4920.00	0.00
0	-1255	-1264	-1266	-1257	M	L	0.00	4920.00	0.00
0	-1645	-1644	-380	-376	M	L	0.00	-4920.00	0.00
0	-1257	-1266	-1216	-1215	M	L	0.00	4920.00	0.00
0	-1687	-1688	-1233	-469	M	L	0.00	4920.00	0.00
0	-1676	-1677	-689	-680	M	L	0.00	4920.00	0.00
0	-1260	-1269	-1271	-1262	M	L	0.00	4920.00	0.00
0	-1665	-1666	-590	-581	M	L	0.00	4920.00	0.00
0	-1262	-1271	-1273	-1264	M	L	0.00	4920.00	0.00
0	-1654	-1655	-491	-482	M	L	0.00	4920.00	0.00
0	-1264	-1273	-1275	-1266	M	L	0.00	4920.00	0.00
0	-1644	-1643	-384	-380	M	L	0.00	-4920.00	0.00
0	-1266	-1275	-1217	-1216	M	L	0.00	4920.00	0.00
0	-1686	-1687	-469	-770	M	L	0.00	4920.00	0.00
0	-1675	-1676	-680	-671	M	L	0.00	4920.00	0.00
0	-1269	-1278	-1280	-1271	M	L	0.00	4920.00	0.00
0	-1664	-1665	-581	-572	M	L	0.00	4920.00	0.00
0	-1271	-1280	-1282	-1273	M	L	0.00	4920.00	0.00
0	-1653	-1654	-482	-341	M	L	0.00	4920.00	0.00
0	-1273	-1282	-1284	-1275	M	L	0.00	4920.00	0.00
0	-1643	-1642	-340	-384	M	L	0.00	-4920.00	0.00
0	-1275	-1284	-1218	-1217	M	L	0.00	4920.00	0.00
0	-1685	-1686	-770	-761	M	L	0.00	4920.00	0.00
0	-1674	-1675	-671	-662	M	L	0.00	4920.00	0.00
0	-1278	-1287	-1289	-1280	M	L	0.00	4920.00	0.00
0	-1663	-1664	-572	-563	M	L	0.00	4920.00	0.00
0	-1280	-1289	-1291	-1282	M	L	0.00	4920.00	0.00
0	-1653	-1652	-348	-341	M	L	0.00	-4920.00	0.00

0	-1282	-1291	-1293	-1284	M	L	0.00	4920.00	0.00
0	-1284	-1293	-1219	-1218	M	L	0.00	4920.00	0.00
0	-1684	-1685	-761	-752	M	L	0.00	4920.00	0.00
0	-1673	-1674	-662	-653	M	L	0.00	4920.00	0.00
0	-1287	-1296	-1298	-1289	M	L	0.00	4920.00	0.00
0	-1662	-1663	-563	-554	M	L	0.00	4920.00	0.00
0	-1289	-1298	-1300	-1291	M	L	0.00	4920.00	0.00
0	-1652	-1651	-352	-348	M	L	0.00	-4920.00	0.00
0	-1291	-1300	-1302	-1293	M	L	0.00	4920.00	0.00
0	-1293	-1302	-1220	-1219	M	L	0.00	4920.00	0.00
0	-1683	-1684	-752	-743	M	L	0.00	4920.00	0.00
0	-1672	-1673	-653	-644	M	L	0.00	4920.00	0.00
0	-1296	-1305	-1307	-1298	M	L	0.00	4920.00	0.00
0	-1661	-1662	-554	-545	M	L	0.00	4920.00	0.00
0	-1298	-1307	-1309	-1300	M	L	0.00	4920.00	0.00
0	-1651	-1650	-356	-352	M	L	0.00	-4920.00	0.00
0	-1300	-1309	-1311	-1302	M	L	0.00	4920.00	0.00
0	-1302	-1311	-1221	-1220	M	L	0.00	4920.00	0.00
0	-1314	-1224	-1226	-1316	M	L	0.00	4920.00	0.00
0	-1305	-1314	-1316	-1307	M	L	0.00	4920.00	0.00
0	-1316	-1226	-1228	-1318	M	L	0.00	4920.00	0.00
0	-1307	-1316	-1318	-1309	M	L	0.00	4920.00	0.00
0	-1318	-1228	-1230	-1320	M	L	0.00	4920.00	0.00
0	-1309	-1318	-1320	-1311	M	L	0.00	4920.00	0.00
0	-1320	-1230	-24	-1222	M	L	0.00	4920.00	0.00
0	-1311	-1320	-1222	-1221	M	L	0.00	4920.00	0.00
0	-1333	-1340	-1341	-1335	M	L	0.00	4920.00	0.00
0	-1335	-1341	-1342	-1337	M	L	0.00	4920.00	0.00
0	-1337	-1342	-1343	-1339	M	L	0.00	4920.00	0.00
0	-1339	-1343	-1322	8	M	L	0.00	4920.00	0.00
0	-1213	-1214	-1344	-1340	M	L	0.00	4920.00	0.00
0	-1340	-1344	-1345	-1341	M	L	0.00	4920.00	0.00
0	-1341	-1345	-1346	-1342	M	L	0.00	4920.00	0.00
0	-1342	-1346	-1347	-1343	M	L	0.00	4920.00	0.00
0	-1343	-1347	-1323	-1322	M	L	0.00	4920.00	0.00
0	-1214	-1215	-1348	-1344	M	L	0.00	4920.00	0.00
0	-1344	-1348	-1349	-1345	M	L	0.00	4920.00	0.00
0	-1345	-1349	-1350	-1346	M	L	0.00	4920.00	0.00
0	-1346	-1350	-1351	-1347	M	L	0.00	4920.00	0.00
0	-1347	-1351	-1324	-1323	M	L	0.00	4920.00	0.00
0	-1215	-1216	-1352	-1348	M	L	0.00	4920.00	0.00
0	-1348	-1352	-1353	-1349	M	L	0.00	4920.00	0.00
0	-1349	-1353	-1354	-1350	M	L	0.00	4920.00	0.00
0	-1350	-1354	-1355	-1351	M	L	0.00	4920.00	0.00
0	-1351	-1355	-1325	-1324	M	L	0.00	4920.00	0.00
0	-1216	-1217	-1356	-1352	M	L	0.00	4920.00	0.00
0	-1352	-1356	-1357	-1353	M	L	0.00	4920.00	0.00
0	-1353	-1357	-1358	-1354	M	L	0.00	4920.00	0.00
0	-1354	-1358	-1359	-1355	M	L	0.00	4920.00	0.00
0	-1355	-1359	-1326	-1325	M	L	0.00	4920.00	0.00
0	-1217	-1218	-1360	-1356	M	L	0.00	4920.00	0.00
0	-1356	-1360	-1361	-1357	M	L	0.00	4920.00	0.00
0	-1357	-1361	-1362	-1358	M	L	0.00	4920.00	0.00
0	-1358	-1362	-1363	-1359	M	L	0.00	4920.00	0.00
0	-1359	-1363	-1327	-1326	M	L	0.00	4920.00	0.00
0	-1218	-1219	-1364	-1360	M	L	0.00	4920.00	0.00
0	-1360	-1364	-1365	-1361	M	L	0.00	4920.00	0.00
0	-1361	-1365	-1366	-1362	M	L	0.00	4920.00	0.00
0	-1362	-1366	-1367	-1363	M	L	0.00	4920.00	0.00
0	-1363	-1367	-1328	-1327	M	L	0.00	4920.00	0.00
0	-1219	-1220	-1368	-1364	M	L	0.00	4920.00	0.00
0	-1364	-1368	-1369	-1365	M	L	0.00	4920.00	0.00
0	-1365	-1369	-1370	-1366	M	L	0.00	4920.00	0.00
0	-1366	-1370	-1371	-1367	M	L	0.00	4920.00	0.00
0	-1367	-1371	-1329	-1328	M	L	0.00	4920.00	0.00
0	-1220	-1221	-1372	-1368	M	L	0.00	4920.00	0.00
0	-1368	-1372	-1373	-1369	M	L	0.00	4920.00	0.00
0	-1369	-1373	-1374	-1370	M	L	0.00	4920.00	0.00
0	-1370	-1374	-1375	-1371	M	L	0.00	4920.00	0.00
0	-1371	-1375	-1330	-1329	M	L	0.00	4920.00	0.00
0	-1221	-1222	-1376	-1372	M	L	0.00	4920.00	0.00
0	-1372	-1376	-1377	-1373	M	L	0.00	4920.00	0.00
0	-1373	-1377	-1378	-1374	M	L	0.00	4920.00	0.00
0	-1374	-1378	-1379	-1375	M	L	0.00	4920.00	0.00
0	-1375	-1379	-1331	-1330	M	L	0.00	4920.00	0.00
0	-1222	-24	-1332	-1376	M	L	0.00	4920.00	0.00
0	-1376	-1332	-1334	-1377	M	L	0.00	4920.00	0.00
0	-1377	-1334	-1336	-1378	M	L	0.00	4920.00	0.00
0	-1378	-1336	-1338	-1379	M	L	0.00	4920.00	0.00

0	-1379	-1338	10	-1331	M	L	0.00	4920.00	0.00
0	-399	-1453	-1454	-401	M	L	0.00	4920.00	0.00
0	-401	-1454	-1455	-403	M	L	0.00	4920.00	0.00
0	-403	-1455	-1456	-405	M	L	0.00	4920.00	0.00
0	-405	-1456	-1392	7	M	L	0.00	4920.00	0.00
0	-446	-447	-1457	-1453	M	L	0.00	4920.00	0.00
0	-1453	-1457	-1458	-1454	M	L	0.00	4920.00	0.00
0	-1454	-1458	-1459	-1455	M	L	0.00	4920.00	0.00
0	-1455	-1459	-1460	-1456	M	L	0.00	4920.00	0.00
0	-1456	-1460	-1393	-1392	M	L	0.00	4920.00	0.00
0	-447	-448	-1461	-1457	M	L	0.00	4920.00	0.00
0	-1457	-1461	-1462	-1458	M	L	0.00	4920.00	0.00
0	-1458	-1462	-1463	-1459	M	L	0.00	4920.00	0.00
0	-1459	-1463	-1464	-1460	M	L	0.00	4920.00	0.00
0	-1460	-1464	-1394	-1393	M	L	0.00	4920.00	0.00
0	-448	-6	-1465	-1461	M	L	0.00	4920.00	0.00
0	-1461	-1465	-1466	-1462	M	L	0.00	4920.00	0.00
0	-1462	-1466	-1467	-1463	M	L	0.00	4920.00	0.00
0	-1463	-1467	-1468	-1464	M	L	0.00	4920.00	0.00
0	-1464	-1468	-1395	-1394	M	L	0.00	4920.00	0.00
0	-1468	-1476	-1398	-1395	M	L	0.00	4920.00	0.00
0	-6	-449	-1473	-1465	M	L	0.00	4920.00	0.00
0	-1465	-1473	-1474	-1466	M	L	0.00	4920.00	0.00
0	-1466	-1474	-1475	-1467	M	L	0.00	4920.00	0.00
0	-1467	-1475	-1476	-1468	M	L	0.00	4920.00	0.00
0	-449	-8	-1481	-1473	M	L	0.00	4920.00	0.00
0	-1473	-1481	-1482	-1474	M	L	0.00	4920.00	0.00
0	-1474	-1482	-1483	-1475	M	L	0.00	4920.00	0.00
0	-1475	-1483	-1484	-1476	M	L	0.00	4920.00	0.00
0	-1476	-1484	-1401	-1398	M	L	0.00	4920.00	0.00
0	-1484	-1492	-1404	-1401	M	L	0.00	4920.00	0.00
0	-8	-450	-1489	-1481	M	L	0.00	4920.00	0.00
0	-1481	-1489	-1490	-1482	M	L	0.00	4920.00	0.00
0	-1482	-1490	-1491	-1483	M	L	0.00	4920.00	0.00
0	-1483	-1491	-1492	-1484	M	L	0.00	4920.00	0.00
0	-450	-451	-1497	-1489	M	L	0.00	4920.00	0.00
0	-1489	-1497	-1498	-1490	M	L	0.00	4920.00	0.00
0	-1490	-1498	-1499	-1491	M	L	0.00	4920.00	0.00
0	-1491	-1499	-1500	-1492	M	L	0.00	4920.00	0.00
0	-1492	-1500	-1407	-1404	M	L	0.00	4920.00	0.00
0	-451	-452	-1505	-1497	M	L	0.00	4920.00	0.00
0	-1497	-1505	-1506	-1498	M	L	0.00	4920.00	0.00
0	-1498	-1506	-1507	-1499	M	L	0.00	4920.00	0.00
0	-1499	-1507	-1508	-1500	M	L	0.00	4920.00	0.00
0	-1500	-1508	-1410	-1407	M	L	0.00	4920.00	0.00
0	-452	-2	-1513	-1505	M	L	0.00	4920.00	0.00
0	-1505	-1513	-1514	-1506	M	L	0.00	4920.00	0.00
0	-1506	-1514	-1515	-1507	M	L	0.00	4920.00	0.00
0	-1507	-1515	-1516	-1508	M	L	0.00	4920.00	0.00
0	-1508	-1516	-1413	-1410	M	L	0.00	4920.00	0.00
0	-2	-453	-1517	-1513	M	L	0.00	4920.00	0.00
0	-1513	-1517	-1518	-1514	M	L	0.00	4920.00	0.00
0	-1514	-1518	-1519	-1515	M	L	0.00	4920.00	0.00
0	-1515	-1519	-1520	-1516	M	L	0.00	4920.00	0.00
0	-1516	-1520	-1414	-1413	M	L	0.00	4920.00	0.00
0	-453	-9	-1521	-1517	M	L	0.00	4920.00	0.00
0	-1517	-1521	-1522	-1518	M	L	0.00	4920.00	0.00
0	-1518	-1522	-1523	-1519	M	L	0.00	4920.00	0.00
0	-1519	-1523	-1524	-1520	M	L	0.00	4920.00	0.00
0	-1520	-1524	-1415	-1414	M	L	0.00	4920.00	0.00
0	-9	-454	-1525	-1521	M	L	0.00	4920.00	0.00
0	-1521	-1525	-1526	-1522	M	L	0.00	4920.00	0.00
0	-1522	-1526	-1527	-1523	M	L	0.00	4920.00	0.00
0	-1523	-1527	-1528	-1524	M	L	0.00	4920.00	0.00
0	-1524	-1528	-1416	-1415	M	L	0.00	4920.00	0.00
0	-454	-455	-1529	-1525	M	L	0.00	4920.00	0.00
0	-1525	-1529	-1530	-1526	M	L	0.00	4920.00	0.00
0	-1526	-1530	-1531	-1527	M	L	0.00	4920.00	0.00
0	-1527	-1531	-1532	-1528	M	L	0.00	4920.00	0.00
0	-1528	-1532	-1417	-1416	M	L	0.00	4920.00	0.00
0	-455	-456	-1533	-1529	M	L	0.00	4920.00	0.00
0	-1529	-1533	-1534	-1530	M	L	0.00	4920.00	0.00
0	-1530	-1534	-1535	-1531	M	L	0.00	4920.00	0.00
0	-1531	-1535	-1536	-1532	M	L	0.00	4920.00	0.00
0	-1532	-1536	-1418	-1417	M	L	0.00	4920.00	0.00
0	-456	-457	-1537	-1533	M	L	0.00	4920.00	0.00
0	-1533	-1537	-1538	-1534	M	L	0.00	4920.00	0.00
0	-1534	-1538	-1539	-1535	M	L	0.00	4920.00	0.00
0	-1535	-1539	-1540	-1536	M	L	0.00	4920.00	0.00

0	-1536	-1540	-1419	-1418	M	L	0.00	4920.00	0.00
0	-457	-7	-1541	-1537	M	L	0.00	4920.00	0.00
0	-1537	-1541	-1542	-1538	M	L	0.00	4920.00	0.00
0	-1538	-1542	-1543	-1539	M	L	0.00	4920.00	0.00
0	-1539	-1543	-1544	-1540	M	L	0.00	4920.00	0.00
0	-1540	-1544	-1420	-1419	M	L	0.00	4920.00	0.00
0	-7	-12	-1545	-1541	M	L	0.00	4920.00	0.00
0	-1541	-1545	-1546	-1542	M	L	0.00	4920.00	0.00
0	-1542	-1546	-1547	-1543	M	L	0.00	4920.00	0.00
0	-1543	-1547	-1548	-1544	M	L	0.00	4920.00	0.00
0	-1544	-1548	-1421	-1420	M	L	0.00	4920.00	0.00
0	-12	-1	-1549	-1545	M	L	0.00	4920.00	0.00
0	-1545	-1549	-1550	-1546	M	L	0.00	4920.00	0.00
0	-1546	-1550	-1551	-1547	M	L	0.00	4920.00	0.00
0	-1547	-1551	-1552	-1548	M	L	0.00	4920.00	0.00
0	-1548	-1552	-1422	-1421	M	L	0.00	4920.00	0.00
0	-1	-458	-1557	-1549	M	L	0.00	4920.00	0.00
0	-1549	-1557	-1558	-1550	M	L	0.00	4920.00	0.00
0	-1550	-1558	-1559	-1551	M	L	0.00	4920.00	0.00
0	-1551	-1559	-1560	-1552	M	L	0.00	4920.00	0.00
0	-1552	-1560	-1425	-1422	M	L	0.00	4920.00	0.00
0	-458	-459	-1565	-1557	M	L	0.00	4920.00	0.00
0	-1557	-1565	-1566	-1558	M	L	0.00	4920.00	0.00
0	-1558	-1566	-1567	-1559	M	L	0.00	4920.00	0.00
0	-1559	-1567	-1568	-1560	M	L	0.00	4920.00	0.00
0	-1560	-1568	-1428	-1425	M	L	0.00	4920.00	0.00
0	-459	-460	-1573	-1565	M	L	0.00	4920.00	0.00
0	-1565	-1573	-1574	-1566	M	L	0.00	4920.00	0.00
0	-1566	-1574	-1575	-1567	M	L	0.00	4920.00	0.00
0	-1567	-1575	-1576	-1568	M	L	0.00	4920.00	0.00
0	-1568	-1576	-1431	-1428	M	L	0.00	4920.00	0.00
0	-1576	-1584	-1434	-1431	M	L	0.00	4920.00	0.00
0	-460	-5	-1581	-1573	M	L	0.00	4920.00	0.00
0	-1573	-1581	-1582	-1574	M	L	0.00	4920.00	0.00
0	-1574	-1582	-1583	-1575	M	L	0.00	4920.00	0.00
0	-1575	-1583	-1584	-1576	M	L	0.00	4920.00	0.00
0	-5	-461	-1585	-1581	M	L	0.00	4920.00	0.00
0	-1581	-1585	-1586	-1582	M	L	0.00	4920.00	0.00
0	-1582	-1586	-1587	-1583	M	L	0.00	4920.00	0.00
0	-1583	-1587	-1588	-1584	M	L	0.00	4920.00	0.00
0	-1584	-1588	-1435	-1434	M	L	0.00	4920.00	0.00
0	-461	-3	-1589	-1585	M	L	0.00	4920.00	0.00
0	-1585	-1589	-1590	-1586	M	L	0.00	4920.00	0.00
0	-1586	-1590	-1591	-1587	M	L	0.00	4920.00	0.00
0	-1587	-1591	-1592	-1588	M	L	0.00	4920.00	0.00
0	-1588	-1592	-1436	-1435	M	L	0.00	4920.00	0.00
0	-3	-462	-1593	-1589	M	L	0.00	4920.00	0.00
0	-1589	-1593	-1594	-1590	M	L	0.00	4920.00	0.00
0	-1590	-1594	-1595	-1591	M	L	0.00	4920.00	0.00
0	-1591	-1595	-1596	-1592	M	L	0.00	4920.00	0.00
0	-1592	-1596	-1437	-1436	M	L	0.00	4920.00	0.00
0	-462	-463	-1597	-1593	M	L	0.00	4920.00	0.00
0	-1593	-1597	-1598	-1594	M	L	0.00	4920.00	0.00
0	-1594	-1598	-1599	-1595	M	L	0.00	4920.00	0.00
0	-1595	-1599	-1600	-1596	M	L	0.00	4920.00	0.00
0	-1596	-1600	-1438	-1437	M	L	0.00	4920.00	0.00
0	-463	-464	-1601	-1597	M	L	0.00	4920.00	0.00
0	-1597	-1601	-1602	-1598	M	L	0.00	4920.00	0.00
0	-1598	-1602	-1603	-1599	M	L	0.00	4920.00	0.00
0	-1599	-1603	-1604	-1600	M	L	0.00	4920.00	0.00
0	-1600	-1604	-1439	-1438	M	L	0.00	4920.00	0.00
0	-464	-465	-1605	-1601	M	L	0.00	4920.00	0.00
0	-1601	-1605	-1606	-1602	M	L	0.00	4920.00	0.00
0	-1602	-1606	-1607	-1603	M	L	0.00	4920.00	0.00
0	-1603	-1607	-1608	-1604	M	L	0.00	4920.00	0.00
0	-1604	-1608	-1440	-1439	M	L	0.00	4920.00	0.00
0	-465	-4	-1609	-1605	M	L	0.00	4920.00	0.00
0	-1605	-1609	-1610	-1606	M	L	0.00	4920.00	0.00
0	-1606	-1610	-1611	-1607	M	L	0.00	4920.00	0.00
0	-1607	-1611	-1612	-1608	M	L	0.00	4920.00	0.00
0	-1608	-1612	-1441	-1440	M	L	0.00	4920.00	0.00
0	-4	-16	-1617	-1609	M	L	0.00	4920.00	0.00
0	-1609	-1617	-1618	-1610	M	L	0.00	4920.00	0.00
0	-1610	-1618	-1619	-1611	M	L	0.00	4920.00	0.00
0	-1611	-1619	-1620	-1612	M	L	0.00	4920.00	0.00
0	-1612	-1620	-1444	-1441	M	L	0.00	4920.00	0.00
0	-16	-14	-1625	-1617	M	L	0.00	4920.00	0.00
0	-1617	-1625	-1626	-1618	M	L	0.00	4920.00	0.00
0	-1618	-1626	-1627	-1619	M	L	0.00	4920.00	0.00

0	-1619	-1627	-1628	-1620	M	L	0.00	4920.00	0.00
0	-1620	-1628	-1447	-1444	M	L	0.00	4920.00	0.00
0	-14	-466	-1633	-1625	M	L	0.00	4920.00	0.00
0	-1625	-1633	-1634	-1626	M	L	0.00	4920.00	0.00
0	-1626	-1634	-1635	-1627	M	L	0.00	4920.00	0.00
0	-1627	-1635	-1636	-1628	M	L	0.00	4920.00	0.00
0	-1628	-1636	-1450	-1447	M	L	0.00	4920.00	0.00
0	-1636	-1339	8	-1450	M	L	0.00	4920.00	0.00
0	-466	6	-1333	-1633	M	L	0.00	4920.00	0.00
0	-1633	-1333	-1335	-1634	M	L	0.00	4920.00	0.00
0	-1634	-1335	-1337	-1635	M	L	0.00	4920.00	0.00
0	-1635	-1337	-1339	-1636	M	L	0.00	4920.00	0.00

Risultati del calcolo

Parametri di calcolo

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con:
ModeSt ver. 8.21, prodotto da Tecnisoft s.a.s. - Prato

La struttura è stata calcolata utilizzando come solutore agli elementi finiti:
Xfinest ver. 2019, prodotto da Ce.A.S. S.r.l. - Milano

Tipo di normativa: stati limite D.M. 18
Tipo di calcolo: analisi sismica statica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

Generazione combinazioni

- Lineari: Sì
- Valuta spostamenti e non sollecitazioni: No
- Buckling: No

Opzioni di calcolo

- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: No
- Uniformare i carichi variabili: No
- Massimizzare i carichi variabili: No
- Recupero carichi zone rigide: taglio e momento flettente
- Modalità di combinazione momento torcente: disaccoppiare le azioni

Opzioni del solutore

- Tipo di elemento bidimensionale: QF46
- Calcolo sforzo nei nodi: No
- Analisi dinamica con metodo di Lanczos: No
- Trascura deformabilità a taglio delle aste: Sì
- Check sequenza di Sturm: Sì
- Analisi non lineare con Newton modificato: No
- Usa formulazione secante per buckling: No
- Trascura buckling torsionale: No

Dati struttura

- Sito di costruzione: LON. 10.13932 LAT. 44.03544
  Contenuto tra ID reticolo: 18711 18710 18933 18932

Simbologia

TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
T_R = Periodo di ritorno <anni>
Ag = Accelerazione orizzontale massima al sito
Fo = Valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale
Tc* = Periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale <sec>
S_S = Coefficiente di amplificazione stratigrafica
C_C = Coefficiente funzione della categoria del suolo

TCC	T_R	Ag <g>	Fo	Tc*	S_S	C_C
SLV	949	0.1749	2.37	0.30	1.45	1.56

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 50.00
- Classe d'uso: Classe IV
- SL Esercizio: SLOPvr No, SLDPvr No
- SL Ultimi: SLVPvr 10.00, SLCPvr No
- Struttura dissipativa: No
- Quota di riferimento: -0.60 <m>
- Altezza della struttura: 4.60 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: No
- Edificio regolare in pianta: No
- Forze orizzontali convenzionali per stati limite non sismici: No
- Genera stati limite per verifiche di resistenza al fuoco: No

Dati di calcolo

- Categoria del suolo di fondazione: C
- Tipologia strutturale: c.a. o prefabbricata a telaio a più piani e più campate

Periodo T_1	0.25826
Coeff. λ SLV	1.00
Rapporto di sovraresistenza (α_u/α_1)	1.15
Valore di riferimento del fattore di comportamento (q_0)	3.45
Fattore riduttivo (K_w)	1.00
Fattore riduttivo regolarità in altezza (KR)	0.80
Fattore di comportamento dissipativo (q)	2.76
Fattore di comportamento non dissipativo (qND)	1.00
Fattore di comportamento per SLD (qD)	1.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Accelerazione di picco del terreno AgS: 0.2538 <g>
- Fattore di comportamento per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%

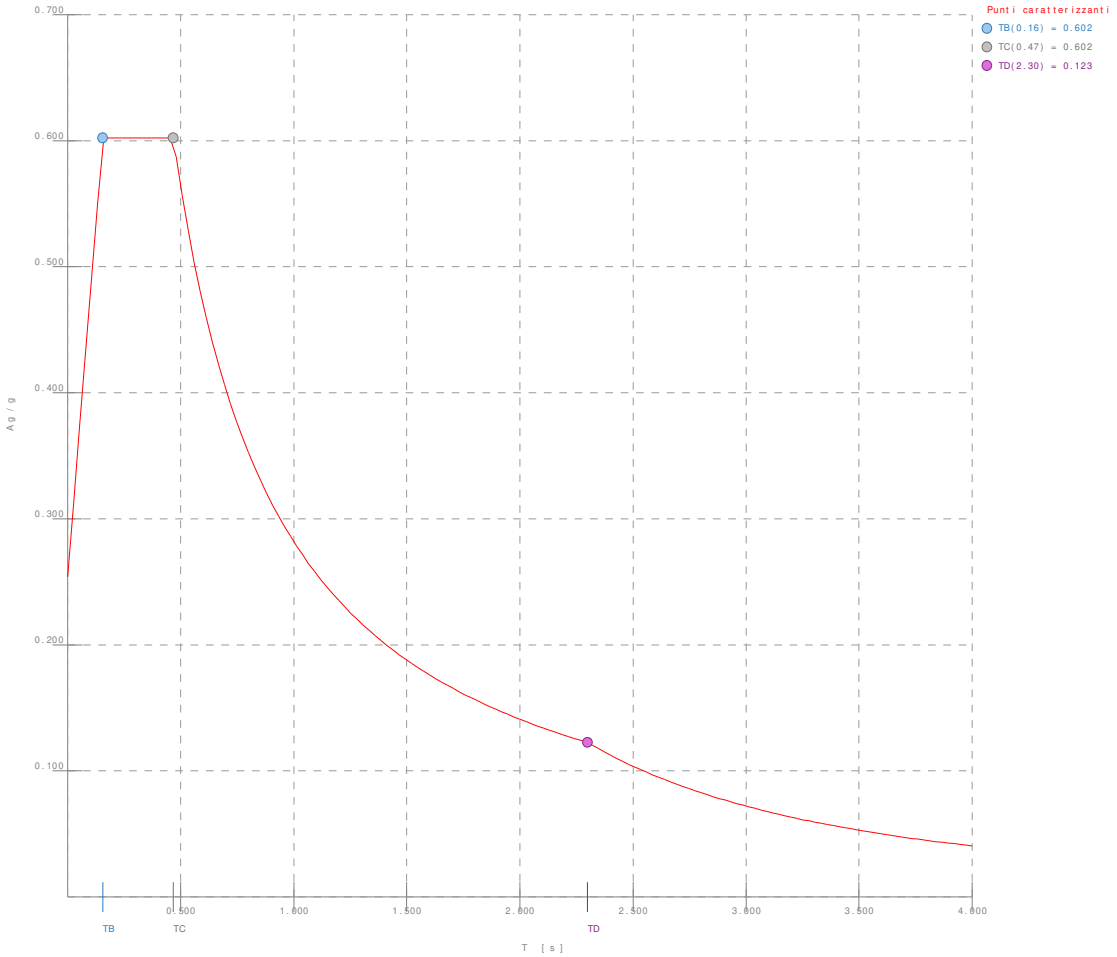

Figura numero 1: Spettro SND

- Angolo di ingresso del sisma: 0.00 <grad>
- Tipo di combinazione sismica: 30% esteso

Ambienti di carico
Simbologia

N =Numero
Comm. =Commento
1=peso proprio
2=Peso terreno e pav.
3=spinta statica terreno
4=spinta sovraccarico
5=Spinta sismica
6=SLU Env Max
7=SLU Env Min
8=SLE rara Env Max
9=SLE Rara Env Min
10=SLE q. permanente
11=SLVX+0.3y
12=SLVX-0.3y
13=SLV-X-0.3y
14=SLV-X+0.3y
15=SLV Y+0.3X
16=SLV Y-0.3x
17=SLV -Y+0.3x
18=SLV -Y-0.3x
19=Spinta inerziale terreno
F =azioni orizzontali convenzionali
SLU =Stato limite ultimo
SLR =Stato limite per combinazioni rare
SLF =Stato limite per combinazioni frequenti
SLQ/D =Stato limite per combinazioni quasi permanenti o di danno
S = Sì
N = No

N	Comm.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	N	N
2	Calcolo statico	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	S	S	S	S

Elenco combinazioni di carico simboliche

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)

CC	Comm.	TCC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	S
1	Amb. 1 (Sisma)	SLU S	1	1	1	ψ_2	ψ_2	1	1	1	1	1	1	1	1	1	1	1	1	1	ψ_2	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	1	ψ_1	ψ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	ψ_1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	1	ψ_2	ψ_2	1	1	1	1	1	1	1	1	1	1	1	1	1	ψ_2	-----

Genera le combinazioni con un solo carico di tipo variabile come di base: No

Considera sollecitazioni dinamiche con segno dei modi principali: No

Combinazioni delle CCE

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
An. =Tipo di analisi
L = Lineare
NL = Non lineare
Bk =Buckling
S = Sì
N = No

CC	Comm.	TCC	An.	Bk	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	S X	S Y
1	Amb. 1 (SLU S) S +X+0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.30
2	Amb. 1 (SLU S) S +X-0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	-0.30
3	Amb. 1 (SLU S) S -X+0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	-1.00	-1.00	0.30
4	Amb. 1 (SLU S) S -X-0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	-1.00	-1.00	-0.30
5	Amb. 1 (SLU S) S +0.3X+Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.30	0.30	1.00
6	Amb. 1 (SLU S) S -0.3X+Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	-0.30	-0.30	1.00
7	Amb. 1 (SLU S) S +0.3X-Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.30	0.30	-1.00
8	Amb. 1 (SLU S) S -0.3X-Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	-0.30	-0.30	-1.00
9	SLU Max	SLU	L	N	1.30	1.50	1.50	1.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	SLU MIN	SLU	L	N	1.30	1.50	1.50	1.30	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	SLE R Max	SLE R	L	N	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	SLE R Min	SLE R	L	N	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	SLE Q.Perm	SLE Q	L	N	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Elenco masse nodi

Simbologia
Nodo =Numero del nodo
Mo =Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-1698	115.20	-1697	230.68	-1696	231.09	-1695	231.51	-1694	231.93	-1693	232.34	-1692	232.76	-1691	234.34
-1690	235.93	-1689	236.36	-1688	236.78	-1687	506.54	-1686	776.41	-1685	776.61	-1684	778.78	-1683	774.17
-1682	766.92	-1681	766.72	-1680	766.72	-1679	766.72	-1678	767.97	-1677	769.22	-1676	775.29	-1675	781.36
-1674	781.36	-1673	781.36	-1672	775.29	-1671	769.22	-1670	767.97	-1669	766.72	-1668	766.72	-1667	766.72
-1666	766.72	-1665	767.97	-1664	769.22	-1663	772.38	-1662	775.54	-1661	775.54	-1660	742.95	-1659	776.96
-1658	872.94	-1657	776.49	-1656	710.15	-1655	769.64	-1654	769.64	-1653	503.59	-1652	237.25	-1651	236.82
-1650	236.40	-1649	234.44	-1648	232.50	-1647	232.08	-1646	231.66	-1645	231.25	-1644	230.83	-1643	230.41
-1642	115.07	-1636	163.06	-1635	163.06	-1634	163.06	-1633	163.06	-1628	167.38	-1627	167.38	-1626	167.38

-1625	167.38	-1620	168.72	-1619	168.72	-1618	168.72	-1617	168.72	-1612	157.25	-1611	157.25	-1610	157.25
-1609	157.25	-1608	140.12	-1607	140.12	-1606	140.12	-1605	140.12	-1604	140.12	-1603	140.12	-1602	140.12
-1601	140.12	-1600	140.12	-1599	140.12	-1598	140.12	-1597	140.12	-1596	140.12	-1595	140.12	-1594	140.12
-1593	140.12	-1592	147.75	-1591	146.58	-1590	145.41	-1589	144.24	-1588	146.02	-1587	146.02	-1586	146.02
-1585	146.02	-1584	162.51	-1583	161.96	-1582	161.41	-1581	160.87	-1576	174.61	-1575	174.61	-1574	174.61
-1573	174.61	-1568	155.14	-1567	156.86	-1566	158.58	-1565	160.29	-1560	174.61	-1559	174.61	-1558	174.61
-1557	174.61	-1552	172.92	-1551	172.92	-1550	172.92	-1549	172.92	-1548	146.02	-1547	146.02	-1546	146.02
-1545	146.02	-1544	158.89	-1543	154.93	-1542	150.98	-1541	147.02	-1540	143.37	-1539	142.56	-1538	141.75
-1537	140.93	-1536	114.99	-1535	121.27	-1534	127.56	-1533	133.84	-1532	136.87	-1531	137.68	-1530	138.50
-1529	139.31	-1528	149.44	-1527	147.11	-1526	144.78	-1525	142.45	-1524	143.07	-1523	143.07	-1522	143.07
-1521	143.07	-1520	146.02	-1519	146.02	-1518	146.02	-1517	146.02	-1516	153.46	-1515	153.46	-1514	153.46
-1513	153.46	-1508	160.90	-1507	160.90	-1506	160.90	-1505	160.90	-1500	164.41	-1499	163.53	-1498	162.66
-1497	161.78	-1492	160.90	-1491	160.90	-1490	160.90	-1489	160.90	-1484	160.74	-1483	161.62	-1482	162.50
-1481	163.38	-1476	173.45	-1475	173.45	-1474	173.45	-1473	173.45	-1468	163.15	-1467	163.15	-1466	163.15
-1465	163.15	-1464	147.01	-1463	147.01	-1462	147.01	-1461	147.01	-1460	162.33	-1459	158.50	-1458	154.67
-1457	150.84	-1456	147.01	-1455	147.01	-1454	147.01	-1453	147.01	-1450	81.53	-1447	83.69	-1444	84.36
-1441	78.62	-1440	70.06	-1439	70.06	-1438	70.06	-1437	70.06	-1436	74.27	-1435	73.01	-1434	81.44
-1431	87.31	-1428	77.00	-1425	87.31	-1422	86.46	-1421	73.01	-1420	80.76	-1419	71.96	-1418	55.40
-1417	68.17	-1416	75.50	-1415	71.54	-1414	73.01	-1413	76.73	-1410	80.45	-1407	82.50	-1404	80.45
-1401	80.08	-1398	86.72	-1395	81.57	-1394	73.51	-1393	82.44	-1392	73.51	-1379	184.04	-1378	184.04
-1377	184.04	-1376	184.04	-1375	183.20	-1374	183.20	-1373	183.20	-1372	183.20	-1371	182.35	-1370	182.35
-1369	182.35	-1368	182.35	-1367	181.51	-1366	181.51	-1365	181.51	-1364	181.51	-1363	180.67	-1362	180.67
-1361	180.67	-1360	180.67	-1359	179.83	-1358	179.83	-1357	179.83	-1356	179.83	-1355	178.99	-1354	178.99
-1353	178.99	-1352	178.99	-1351	178.15	-1350	178.15	-1349	178.15	-1348	178.15	-1347	177.31	-1346	177.31
-1345	177.31	-1344	177.31	-1343	176.47	-1342	176.47	-1341	176.47	-1340	176.47	-1339	165.17	-1338	92.30
-1337	165.17	-1336	92.30	-1335	165.17	-1334	92.30	-1333	165.17	-1332	92.30	-1331	92.02	-1330	91.60
-1329	91.18	-1328	90.76	-1327	90.34	-1326	89.92	-1325	89.50	-1324	89.08	-1323	88.66	-1322	88.24
-1320	185.57	-1318	185.42	-1316	185.28	-1314	149.46	-1311	186.41	-1309	186.26	-1307	186.11	-1305	150.09
-1302	187.25	-1300	187.10	-1298	186.95	-1296	150.71	-1293	188.09	-1291	187.94	-1289	187.78	-1287	151.34
-1284	188.93	-1282	188.77	-1280	188.62	-1278	151.97	-1275	189.76	-1273	189.61	-1271	189.46	-1269	152.59
-1266	190.81	-1264	190.86	-1262	190.92	-1260	153.86	-1257	191.86	-1255	192.12	-1253	192.38	-1251	155.14
-1248	192.70	-1246	192.97	-1244	193.23	-1242	155.78	-1239	193.54	-1237	193.81	-1235	194.08	-1233	156.41
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-772	651.99	-770	519.22	-767	681.80	-765	669.87	-763	657.95	-761	521.27	-758	686.64	-756	674.00
-754	661.36	-752	523.53	-749	648.62	-747	645.48	-745	642.35	-743	516.57	-740	591.83	-738	602.89
-736	613.95	-734	510.46	-731	591.83	-729	602.89	-727	613.95	-725	512.16	-722	591.83	-720	602.89
-718	613.95	-716	512.15	-713	591.83	-711	602.89	-709	613.95	-707	512.16	-704	601.61	-702	610.23
-700	618.84	-698	514.44	-695	611.39	-693	617.56	-691	623.73	-689	516.73	-686	658.79	-684	653.11
-682	647.44	-680	527.80	-677	706.20	-675	688.67	-673	671.14	-671	538.88	-668	667.03	-666	662.56
-664	658.08	-662	536.70	-659	706.20	-657	688.67	-655	671.14	-653	538.88	-650	697.96	-648	679.23
-646	660.49	-644	529.98	-641	611.39	-639	617.56	-637	623.73	-635	516.73	-632	601.61	-630	610.23
-628	618.84	-626	514.44	-623	591.83	-621	602.89	-619	613.96	-617	512.16	-614	591.83	-612	602.89
-610	613.95	-608	512.16	-605	591.83	-603	602.89	-601	613.95	-599	512.15	-596	591.83	-594	602.89
-592	613.95	-590	512.16	-587	601.61	-585	610.23	-583	618.84	-581	514.44	-578	611.39	-576	617.56
-574	623.73	-572	516.73	-569	636.06	-567	636.06	-565	636.07	-563	522.49	-560	660.73	-558	654.56
-556	648.40	-554	528.25	-551	660.73	-549	654.56	-547	648.40	-545	528.25	-542	654.87	-540	642.84
-538	630.82	-536	509.66	-533	671.85	-531	662.90	-529	653.96	-527	530.85	-524	718.89	-522	718.89
-520	718.89	-518	590.52	-515	668.18	-513	660.16	-511	652.13	-509	530.00	-506	603.97	-504	598.62
-502	593.27	-500	483.54	-497	614.68	-495	620.03	-493	625.38	-491	517.49	-488	614.68	-486	620.03
-484	625.38	-482	517.49	-478	417.08	-475	417.21	-472	417.35	-469	335.97	-466	418.12	-465	362.29
-464	362.29	-463	362.29	-462	362.29	-461	376.64	-460	446.25	-459	415.73	-458	446.25	-457	362.42
-456	361.24	-455	362.15	-454	362.68	-453	376.64	-452	412.87	-451	413.01	-450	411.89	-449	446.17
-448	377.28	-447	379.70	-446	379.06	-445	184.04	-444	184.04	-443	184.04	-442	184.04	-441	183.20
-440	183.20	-439	183.20	-438	183.20	-437	182.35	-436	182.35	-435	182.35	-434	182.35	-433	181.51
-432	181.51	-431	181.51	-430	181.51	-429	180.68	-428	180.67	-427	180.67	-426	180.68	-425	179.83
-424	179.83	-423	179.83	-422	179.83	-421	178.99	-420	178.99	-419	178.99	-418	178.99	-417	178.15
-416	178.15	-415	178.15	-414	178.15	-413	177.31	-412	177.31	-411	177.31	-410	177.31	-409	176.47
-408	176.47	-407	176.47	-406	176.47	-405	146.14	-404	92.30	-403	149.97	-402	92.30	-401	153.80
-400	92.30	-399	157.63	-398	92.30	-397	92.02	-396	91.60	-395	91.18	-394	90.76	-393	90.34
-392	89.92	-391	89.50	-390	89.08	-389	88.66	-388	88.24	-387	185.52	-386	185.33	-385	185.14
-384	152.54	-383	186.36	-382	186.17	-381	185.97	-380	153.16	-379	187.20	-378	187.00	-377	186.81
-376	153.79	-375	188.04	-374	187.84	-373	187.64	-372	154.41	-371	188.88	-370	188.68	-369	188.48
-368	155.04	-367	189.72	-366	189.51	-365	189.31	-364	155.66	-363	190.83	-362	190.90	-361	190.97
-360	157.16	-359	191.94	-358	192.28	-357	192.63	-356	158.66	-355	192.79	-354	193.13	-353	193.48
-352	159.29	-351	193.63	-350	193.98	-349	194.33	-348	159.93	-347	404.43	-346	92.48	-345	407.29
-344	92.39	-343	410.14	-342	92.29	-341	338.93	-340	76.06	-339	184.84	-338	184.84	-337	184.84
-336	184.84	-335	184.84	-334	184.84	-333	184.89	-332	184.93	-331	184.93	-330	184.93	-24	92.43
-20	92.42	-16	431.89	-14	428.56	-12	376.65	-9	369.47	-8	420.88	-7	370.13	-6	418.34
-5	411.54	-4	403.98	-3	369.66	-2	394.76	-1	441.68	5	281.36	6	291.08	7	71.79
8	82.58	9	46.15	10	46.15										

Totali masse nodi

Mo <kg>
188711.00

Elenco forze sismiche nodali allo SND

Simbologia
Nodo = Numero del nodo
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Fx = Forza in dir. X
Fy = Forza in dir. Y

Nodo	cx	cy	Fx <daN>	Fy <daN>	Nodo	cx	cy	Fx <daN>	Fy <daN>	Nodo	cx	cy	Fx <daN>	Fy <daN>
-1698	0.00	0.00	24.80	24.80	-1697	0.00	0.00	49.72	49.72	-1696	0.00	0.00	49.87	49.87
-1695	0.00	0.00	50.02	50.02	-1694	0.00	0.00	50.17	50.17	-1693	0.00	0.00	50.32	50.32
-1692	0.00	0.00	50.47	50.47	-1691	0.00	0.00	50.87	50.87	-1690	0.00	0.00	51.28	51.28
-1689	0.00	0.00	51.43	51.43	-1688	0.00	0.00	51.59	51.59	-1687	0.00	0.00	110.49	110.49
-1686	0.00	0.00	169.36	169.36	-1685	0.00	0.00	169.40	169.40	-1684	0.00	0.00	169.88	169.88
-1683	0.00	0.00	168.87	168.87	-1682	0.00	0.00	164.22	164.22	-1681	0.00	0.00	164.18	164.18
-1680	0.00	0.00	164.18	164.18	-1679	0.00	0.00	164.18	164.18	-1678	0.00	0.00	164.45	164.45
-1677	0.00	0.00	164.72	164.72	-1676	0.00	0.00	166.01	166.01	-1675	0.00	0.00	167.31	167.31
-1674	0.00	0.00	167.31	167.31	-1673	0.00	0.00	167.31	167.31	-1672	0.00	0.00	166.01	166.01
-1671	0.00	0.00	164.72	164.72	-1670	0.00	0.00	164.45	164.45	-1669	0.00	0.00	164.18	164.18
-1668	0.00	0.00	164.18	164.18	-1667	0.00	0.00	164.18	164.18	-1666	0.00	0.00	164.18	164.18
-1665	0.00	0.00	164.45	164.45	-1664	0.00	0.00	164.72	164.72	-1663	0.00	0.00	165.39	165.39
-1662	0.00	0.00	166.07	166.07	-1661	0.00	0.00	166.07	166.07	-1660	0.00	0.00	159.09	159.09
-1659	0.00	0.00	166.37	166.37	-1658	0.00	0.00	186.92	186.92	-1657	0.00	0.00	166.27	166.27
-1656	0.00	0.00	152.06	152.06	-1655	0.00	0.00	164.81	164.81	-1654	0.00	0.00	164.81	164.81
-1653	0.00	0.00	107.83	107.83	-1652	0.00	0.00	50.74	50.74	-1651	0.00	0.00	50.59	50.59
-1650	0.00	0.00	50.43	50.43	-1649	0.00	0.00	49.96	49.96	-1648	0.00	0.00	49.48	49.48
-1647	0.00	0.00	49.33	49.33	-1646	0.00	0.00	49.18	49.18	-1645	0.00	0.00	49.04	49.04
-1644	0.00	0.00	48.89	48.89	-1643	0.00	0.00	48.74	48.74	-1642	0.00	0.00	24.31	24.31
-1636	0.00	0.00	196.46	196.46	-1635	0.00	0.00	178.77	178.77	-1634	0.00	0.00	161.08	161.08
-1633	0.00	0.00	143.39	143.39	-1628	0.00	0.00	201.66	201.66	-1627	0.00	0.00	183.50	183.50
-1626	0.00	0.00	165.34	165.34	-1625	0.00	0.00	147.18	147.18	-1620	0.00	0.00	203.28	203.28
-1619	0.00	0.00	184.97	184.97	-1618	0.00	0.00	166.67	166.67	-1617	0.00	0.00	148.36	148.36
-1612	0.00	0.00	189.46	189.46	-1611	0.00	0.00	172.40	172.40	-1610	0.00	0.00	155.34	155.34
-1609	0.00	0.00	138.28	138.28	-1608	0.00	0.00	168.82	168.82	-1607	0.00	0.00	153.62	153.62
-1606	0.00	0.00	138.42	138.42	-1605	0.00	0.00	123.22	123.22	-1604	0.00	0.00	168.82	168.82
-1603	0.00	0.00	153.62	153.62	-1602	0.00	0.00	138.42	138.42	-1601	0.00	0.00	123.22	123.22
-1600	0.00	0.00	168.82	168.82	-1599	0.00	0.00	153.62	153.62	-1598	0.00	0.00	138.42	138.42
-1597	0.00	0.00	123.22	123.22	-1596	0.00	0.00	168.82	168.82	-1595	0.00	0.00	153.62	153.62
-1594	0.00	0.00	138.42	138.42	-1593	0.00	0.00	123.22	123.22	-1592	0.00	0.00	178.02	178.02
-1591	0.00	0.00	160.71	160.71	-1590	0.00	0.00	143.65	143.65	-1589	0.00	0.00	126.84	126.84
-1588	0.00	0.00	175.93	175.93	-1587	0.00	0.00	160.09	160.09	-1586	0.00	0.00	144.25	144.25
-1585	0.00	0.00	128.41	128.41	-1584	0.00	0.00	195.80	195.80	-1583	0.00	0.00	177.57	177.57
-1582	0.00	0.00	159.45	159.45	-1581	0.00	0.00	141.46	141.46	-1576	0.00	0.00	210.38	210.38
-1575	0.00	0.00	191.44	191.44	-1574	0.00	0.00	172.49	172.49	-1573	0.00	0.00	153.55	153.55
-1568	0.00	0.00	186.92	186.92	-1567	0.00	0.00	171.97	171.97	-1566	0.00	0.00	156.65	156.65
-1565	0.00	0.00	140.96	140.96	-1560	0.00	0.00	210.38	210.38	-1559	0.00	0.00	191.44	191.44
-1558	0.00	0.00	172.49	172.49	-1557	0.00	0.00	153.55	153.55	-1552	0.00	0.00	208.34	208.34
-1551	0.00	0.00	189.58	189.58	-1550	0.00	0.00	170.82	170.82	-1549	0.00	0.00	152.06	152.06
-1548	0.00	0.00	175.93	175.93	-1547	0.00	0.00	160.09	160.09	-1546	0.00	0.00	144.25	144.25
-1545	0.00	0.00	128.41	128.41	-1544	0.00	0.00	191.43	191.43	-1543	0.00	0.00	169.86	169.86
-1542	0.00	0.00	149.15	149.15	-1541	0.00	0.00	129.29	129.29	-1540	0.00	0.00	172.74	172.74
-1539	0.00	0.00	156.29	156.29	-1538	0.00	0.00	140.03	140.03	-1537	0.00	0.00	123.93	123.93
-1536	0.00	0.00	138.54	138.54	-1535	0.00	0.00	132.96	132.96	-1534	0.00	0.00	126.01	126.01
-1533	0.00	0.00	117.69	117.69	-1532	0.00	0.00	164.91	164.91	-1531	0.00	0.00	150.95	150.95
-1530	0.00	0.00	136.81	136.81	-1529	0.00	0.00	122.50	122.50	-1528	0.00	0.00	180.05	180.05
-1527	0.00	0.00	161.28	161.28	-1526	0.00	0.00	143.02	143.02	-1525	0.00	0.00	125.27	125.27
-1524	0.00	0.00	172.38	172.38	-1523	0.00	0.00	156.86	156.86	-1522	0.00	0.00	141.33	141.33
-1521	0.00	0.00	125.81	125.81	-1520	0.00	0.00	175.93	175.93	-1519	0.00	0.00	160.09	160.09
-1518	0.00	0.00	144.25	144.25	-1517	0.00	0.00	128.41	128.41	-1516	0.00	0.00	184.90	184.90
-1515	0.00	0.00	168.25	168.25	-1514	0.00	0.00	151.60	151.60	-1513	0.00	0.00	134.95	134.95
-1508	0.00	0.00	193.86	193.86	-1507	0.00	0.00	176.40	176.40	-1506	0.00	0.00	158.95	158.95
-1505	0.00	0.00	141.49	141.49	-1500	0.00	0.00	198.09	198.09	-1499	0.00	0.00	179.29	179.29
-1498	0.00	0.00	160.68	160.68	-1497	0.00	0.00	142.26	142.26	-1492	0.00	0.00	193.86	193.86
-1491	0.00	0.00	176.40	176.40	-1490	0.00	0.00	158.95	158.95	-1489	0.00	0.00	141.49	141.49
-1484	0.00	0.00	193.67	193.67	-1483	0.00	0.00	177.19	177.19	-1482	0.00	0.00	160.52	160.52
-1481	0.00	0.00	143.67	143.67	-1476	0.00	0.00	208.98	208.98	-1475	0.00	0.00	190.16	190.16
-1474	0.00	0.00	171.34	171.34	-1473	0.00	0.00	152.52	152.52	-1468	0.00	0.00	196.57	196.57
-1467	0.00	0.00	178.87	178.87	-1466	0.00	0.00	161.17	161.17	-1465	0.00	0.00	143.47	143.47
-1464	0.00	0.00	177.13	177.13	-1463	0.00	0.00	161.18	161.18	-1462	0.00	0.00	145.23	145.23
-1461	0.00	0.00	129.28	129.28	-1460	0.00	0.00	195.59	195.59	-1459	0.00	0.00	173.78	173.78
-1458	0.00	0.00	152.79	152.79	-1457	0.00	0.00	132.65	132.65	-1456	0.00	0.00	177.13	177.13
-1455	0.00	0.00	161.18	161.18	-1454	0.00	0.00	145.23	145.23	-1453	0.00	0.00	129.28	129.28
-1450	0.00	0.00	107.08	107.08	-1447	0.00	0.00	109.91	109.91	-1444	0.00	0.00	110.79	110.79
-1441	0.00	0.00	103.26	103.26	-1440	0.00	0.00	92.01	92.01	-1439	0.00	0.00	92.01	92.01
-1438	0.00	0.00	92.01	92.01	-1437	0.00	0.00	92.01	92.01	-1436	0.00	0.00	97.54	97.54
-1435	0.00	0.00	95.89	95.89	-1434	0.00	0.00	106.96	106.96	-1431	0.00	0.00	114.66	114.66
-1428	0.00	0.00	101.12	101.12	-1425	0.00	0.00	114.66	114.66	-1422	0.00	0.00	113.55	113.55
-1421	0.00	0.00	95.89	95.89	-1420	0.00	0.00	106.07	106.07	-1419	0.00	0.00	94.50	94.50
-1418	0.00	0.00	72.76	72.76	-1417	0.00	0.00	89.52	89.52	-1416	0.00	0.00	99.15	99.15
-1415	0.00	0.00	93.95	93.95	-1414	0.00	0.00	95.89	95.89	-1413	0.00	0.00	100.77	100.77

-1410	0.00	0.00	105.66	105.66
-1401	0.00	0.00	105.17	105.17
-1394	0.00	0.00	96.54	96.54
-1379	0.00	0.00	220.78	220.78
-1376	0.00	0.00	158.01	158.01
-1373	0.00	0.00	178.40	178.40
-1370	0.00	0.00	198.41	198.41
-1367	0.00	0.00	218.04	218.04
-1364	0.00	0.00	156.98	156.98
-1361	0.00	0.00	176.79	176.79
-1358	0.00	0.00	196.23	196.23
-1355	0.00	0.00	215.29	215.29
-1352	0.00	0.00	155.91	155.91
-1349	0.00	0.00	175.16	175.16
-1346	0.00	0.00	194.03	194.03
-1343	0.00	0.00	212.53	212.53
-1340	0.00	0.00	154.82	154.82
-1337	0.00	0.00	181.08	181.08
-1334	0.00	0.00	89.60	89.60
-1331	0.00	0.00	120.85	120.85
-1328	0.00	0.00	119.20	119.20
-1325	0.00	0.00	117.54	117.54
-1322	0.00	0.00	115.88	115.88
-1316	0.00	0.00	74.25	74.25
-1309	0.00	0.00	96.30	96.30
-1302	0.00	0.00	118.78	118.78
-1296	0.00	0.00	43.26	43.26
-1289	0.00	0.00	75.84	75.84
-1282	0.00	0.00	98.48	98.48
-1275	0.00	0.00	121.56	121.56
-1269	0.00	0.00	44.04	44.04
-1262	0.00	0.00	77.70	77.70
-1255	0.00	0.00	101.13	101.13
-1248	0.00	0.00	124.64	124.64
-1242	0.00	0.00	45.20	45.20
-1235	0.00	0.00	79.59	79.59
-1228	0.00	0.00	47.50	47.50
-1222	0.00	0.00	137.70	137.70
-1219	0.00	0.00	139.14	139.14
-1216	0.00	0.00	140.60	140.60
-1213	0.00	0.00	142.07	142.07
-772	0.00	0.00	268.05	268.05
-765	0.00	0.00	355.73	355.73
-758	0.00	0.00	446.98	446.98
-752	0.00	0.00	152.46	152.46
-745	0.00	0.00	264.09	264.09
-738	0.00	0.00	320.16	320.16
-731	0.00	0.00	385.26	385.26
-725	0.00	0.00	149.15	149.15
-718	0.00	0.00	252.42	252.42
-711	0.00	0.00	320.16	320.16
-704	0.00	0.00	391.62	391.62
-698	0.00	0.00	149.81	149.81
-691	0.00	0.00	256.44	256.44
-684	0.00	0.00	346.83	346.83
-677	0.00	0.00	459.71	459.71
-671	0.00	0.00	156.93	156.93
-664	0.00	0.00	270.56	270.56
-657	0.00	0.00	365.71	365.71
-650	0.00	0.00	454.34	454.34
-644	0.00	0.00	154.34	154.34
-637	0.00	0.00	256.44	256.44
-630	0.00	0.00	324.06	324.06
-623	0.00	0.00	385.26	385.26
-617	0.00	0.00	149.15	149.15
-610	0.00	0.00	252.42	252.42
-603	0.00	0.00	320.16	320.16
-596	0.00	0.00	385.26	385.26
-590	0.00	0.00	149.15	149.15
-583	0.00	0.00	254.43	254.43
-576	0.00	0.00	327.95	327.95
-569	0.00	0.00	414.05	414.05
-563	0.00	0.00	152.16	152.16
-556	0.00	0.00	266.58	266.58
-549	0.00	0.00	347.60	347.60
-542	0.00	0.00	426.29	426.29
-536	0.00	0.00	148.42	148.42
-529	0.00	0.00	268.87	268.87
-522	0.00	0.00	381.77	381.77

-1407	0.00	0.00	108.35	108.35
-1398	0.00	0.00	113.90	113.90
-1393	0.00	0.00	108.28	108.28
-1378	0.00	0.00	199.86	199.86
-1375	0.00	0.00	219.87	219.87
-1372	0.00	0.00	157.67	157.67
-1369	0.00	0.00	177.87	177.87
-1366	0.00	0.00	197.69	197.69
-1363	0.00	0.00	217.12	217.12
-1360	0.00	0.00	156.63	156.63
-1357	0.00	0.00	176.25	176.25
-1354	0.00	0.00	195.50	195.50
-1351	0.00	0.00	214.37	214.37
-1348	0.00	0.00	155.55	155.55
-1345	0.00	0.00	174.61	174.61
-1342	0.00	0.00	193.29	193.29
-1339	0.00	0.00	199.00	199.00
-1336	0.00	0.00	100.14	100.14
-1333	0.00	0.00	145.24	145.24
-1330	0.00	0.00	120.30	120.30
-1327	0.00	0.00	118.64	118.64
-1324	0.00	0.00	116.99	116.99
-1320	0.00	0.00	116.94	116.94
-1314	0.00	0.00	42.75	42.75
-1307	0.00	0.00	74.78	74.78
-1300	0.00	0.00	97.03	97.03
-1293	0.00	0.00	119.70	119.70
-1287	0.00	0.00	43.52	43.52
-1280	0.00	0.00	76.37	76.37
-1273	0.00	0.00	99.21	99.21
-1266	0.00	0.00	122.62	122.62
-1260	0.00	0.00	44.49	44.49
-1253	0.00	0.00	78.49	78.49
-1246	0.00	0.00	101.87	101.87
-1239	0.00	0.00	125.59	125.59
-1233	0.00	0.00	45.47	45.47
-1226	0.00	0.00	36.92	36.92
-1221	0.00	0.00	138.18	138.18
-1218	0.00	0.00	139.62	139.62
-1215	0.00	0.00	141.11	141.11
-776	0.00	0.00	434.77	434.77
-770	0.00	0.00	151.21	151.21
-763	0.00	0.00	270.50	270.50
-756	0.00	0.00	357.93	357.93
-749	0.00	0.00	422.22	422.22
-743	0.00	0.00	150.44	150.44
-736	0.00	0.00	252.42	252.42
-729	0.00	0.00	320.16	320.16
-722	0.00	0.00	385.26	385.26
-716	0.00	0.00	149.15	149.15
-709	0.00	0.00	252.42	252.42
-702	0.00	0.00	324.06	324.06
-695	0.00	0.00	397.99	397.99
-689	0.00	0.00	150.48	150.48
-682	0.00	0.00	266.18	266.18
-675	0.00	0.00	365.71	365.71
-668	0.00	0.00	434.21	434.21
-662	0.00	0.00	156.30	156.30
-655	0.00	0.00	275.93	275.93
-648	0.00	0.00	360.70	360.70
-641	0.00	0.00	397.99	397.99
-635	0.00	0.00	150.48	150.48
-628	0.00	0.00	254.43	254.43
-621	0.00	0.00	320.16	320.16
-614	0.00	0.00	385.26	385.26
-608	0.00	0.00	149.15	149.15
-601	0.00	0.00	252.42	252.42
-594	0.00	0.00	320.16	320.16
-587	0.00	0.00	391.62	391.62
-581	0.00	0.00	149.81	149.81
-574	0.00	0.00	256.44	256.44
-567	0.00	0.00	337.78	337.78
-560	0.00	0.00	430.11	430.11
-554	0.00	0.00	153.84	153.84
-547	0.00	0.00	266.58	266.58
-540	0.00	0.00	341.38	341.38
-533	0.00	0.00	437.35	437.35
-527	0.00	0.00	154.59	154.59
-520	0.00	0.00	295.56	295.56

-1404	0.00	0.00	105.66	105.66
-1395	0.00	0.00	107.14	107.14
-1392	0.00	0.00	96.54	96.54
-1377	0.00	0.00	178.94	178.94
-1374	0.00	0.00	199.14	199.14
-1371	0.00	0.00	218.95	218.95
-1368	0.00	0.00	157.33	157.33
-1365	0.00	0.00	177.33	177.33
-1362	0.00	0.00	196.96	196.96
-1359	0.00	0.00	216.21	216.21
-1356	0.00	0.00	156.27	156.27
-1353	0.00	0.00	175.71	175.71
-1350	0.00	0.00	194.76	194.76
-1347	0.00	0.00	213.45	213.45
-1344	0.00	0.00	155.19	155.19
-1341	0.00	0.00	174.06	174.06
-1338	0.00	0.00	110.68	110.68
-1335	0.00	0.00	163.16	163.16
-1332	0.00	0.00	79.06	79.06
-1329	0.00	0.00	119.75	119.75
-1326	0.00	0.00	118.09	118.09
-1323	0.00	0.00	116.44	116.44
-1318	0.00	0.00	95.58	95.58
-1311	0.00	0.00	117.86	117.86
-1305	0.00	0.00	43.01	43.01
-1298	0.00	0.00	75.31	75.31
-1291	0.00	0.00	97.75	97.75
-1284	0.00	0.00	120.63	120.63
-1278	0.00	0.00	43.78	43.78
-1271	0.00	0.00	76.91	76.91
-1264	0.00	0.00	100.17	100.17
-1257	0.00	0.00	123.70	123.70
-1251	0.00	0.00	44.94	44.94
-1244	0.00	0.00	79.04	79.04
-1237	0.00	0.00	102.62	102.62
-1230	0.00	0.00	58.10	58.10
-1224	0.00	0.00	21.28	21.28
-1220	0.00	0.00	138.66	138.66
-1217	0.00	0.00	140.10	140.10
-1214	0.00	0.00	141.59	141.59
-774	0.00	0.00	350.45	350.45
-767	0.00	0.00	443.82	443.82
-761	0.00	0.00	151.81	151.81
-754	0.00	0.00	271.91	271.91
-747	0.00	0.00	342.78	342.78
-740	0.00	0.00	385.26	385.26
-734	0.00	0.00	148.66	148.66
-727	0.00	0.00	252.42	252.42
-720	0.00	0.00	320.16	320.16
-713	0.00	0.00	385.26	385.26
-707	0.00	0.00	149.15	149.15
-700	0.00	0.00	254.43	254.43
-693	0.00	0.00	327.95	327.95
-686	0.00	0.00	428.85	428.85
-680	0.00	0.00	153.71	153.71
-673	0.00	0.00	275.93	275.93
-666	0.00	0.00	351.85	351.85
-659	0.00	0.00	459.71	459.71
-653	0.00	0.00	156.93	156.93
-646	0.00	0.00	271.55	271.55
-639	0.00	0.00	327.95	327.95
-632	0.00	0.00	391.62	391.62
-626	0.00	0.00	149.81	149.81
-619	0.00	0.00	252.42	252.42
-612	0.00	0.00	320.16	320.16
-605	0.00	0.00	385.26	385.26
-599	0.00	0.00	149.15	149.15
-592	0.00	0.00	252.42	252.42
-585	0.00	0.00	324.06	324.06
-578	0.00	0.00	397.99	397.99
-572	0.00	0.00	150.48	150.48
-565	0.00	0.00	261.51	261.51
-558	0.00	0.00	347.60	347.60
-551	0.00	0.00	430.11	430.11
-545	0.00	0.00	153.84	153.84
-538	0.00	0.00	259.35	259.35
-531	0.00	0.00	352.03	352.03
-524	0.00	0.00	467.97	467.97
-518	0.00	0.00	171.97	171.97

-515	0.00	0.00	434.96	434.96
-509	0.00	0.00	154.34	154.34
-502	0.00	0.00	243.91	243.91
-495	0.00	0.00	329.26	329.26
-488	0.00	0.00	400.13	400.13
-482	0.00	0.00	150.70	150.70
-472	0.00	0.00	171.59	171.59
-465	0.00	0.00	279.28	279.28
-462	0.00	0.00	279.28	279.28
-459	0.00	0.00	320.47	320.47
-456	0.00	0.00	278.47	278.47
-453	0.00	0.00	290.35	290.35
-450	0.00	0.00	317.51	317.51
-447	0.00	0.00	292.70	292.70
-444	0.00	0.00	199.86	199.86
-441	0.00	0.00	219.87	219.87
-438	0.00	0.00	157.67	157.67
-435	0.00	0.00	177.87	177.87
-432	0.00	0.00	197.69	197.69
-429	0.00	0.00	217.12	217.12
-426	0.00	0.00	156.63	156.63
-423	0.00	0.00	176.25	176.25
-420	0.00	0.00	195.50	195.50
-417	0.00	0.00	214.37	214.37
-414	0.00	0.00	155.55	155.55
-411	0.00	0.00	174.61	174.61
-408	0.00	0.00	193.29	193.29
-405	0.00	0.00	176.08	176.08
-402	0.00	0.00	100.14	100.14
-399	0.00	0.00	138.62	138.62
-396	0.00	0.00	120.30	120.30
-393	0.00	0.00	118.64	118.64
-390	0.00	0.00	116.99	116.99
-387	0.00	0.00	116.92	116.92
-384	0.00	0.00	43.63	43.63
-381	0.00	0.00	74.72	74.72
-378	0.00	0.00	96.98	96.98
-375	0.00	0.00	119.67	119.67
-372	0.00	0.00	44.41	44.41
-369	0.00	0.00	76.31	76.31
-366	0.00	0.00	99.16	99.16
-363	0.00	0.00	122.63	122.63
-360	0.00	0.00	45.44	45.44
-357	0.00	0.00	78.59	78.59
-354	0.00	0.00	101.96	101.96
-351	0.00	0.00	125.64	125.64
-348	0.00	0.00	46.49	46.49
-345	0.00	0.00	216.29	216.29
-342	0.00	0.00	36.89	36.89
-339	0.00	0.00	137.69	137.69
-336	0.00	0.00	139.13	139.13
-333	0.00	0.00	140.60	140.60
-330	0.00	0.00	142.08	142.08
-16	0.00	0.00	332.94	332.94
-9	0.00	0.00	284.81	284.81
-6	0.00	0.00	322.49	322.49
-3	0.00	0.00	284.96	284.96
5	0.00	0.00	216.89	216.89
8	0.00	0.00	108.46	108.46

-513	0.00	0.00	350.57	350.57
-506	0.00	0.00	393.16	393.16
-500	0.00	0.00	140.82	140.82
-493	0.00	0.00	257.11	257.11
-486	0.00	0.00	329.26	329.26
-478	0.00	0.00	271.50	271.50
-469	0.00	0.00	97.84	97.84
-464	0.00	0.00	279.28	279.28
-461	0.00	0.00	290.35	290.35
-458	0.00	0.00	344.00	344.00
-455	0.00	0.00	279.17	279.17
-452	0.00	0.00	318.27	318.27
-449	0.00	0.00	343.94	343.94
-446	0.00	0.00	292.21	292.21
-443	0.00	0.00	178.94	178.94
-440	0.00	0.00	199.13	199.13
-437	0.00	0.00	218.95	218.95
-434	0.00	0.00	157.33	157.33
-431	0.00	0.00	177.33	177.33
-428	0.00	0.00	196.96	196.96
-425	0.00	0.00	216.21	216.21
-422	0.00	0.00	156.27	156.27
-419	0.00	0.00	175.71	175.71
-416	0.00	0.00	194.76	194.76
-413	0.00	0.00	213.45	213.45
-410	0.00	0.00	155.19	155.19
-407	0.00	0.00	174.06	174.06
-404	0.00	0.00	110.68	110.68
-401	0.00	0.00	151.93	151.93
-398	0.00	0.00	79.06	79.06
-395	0.00	0.00	119.75	119.75
-392	0.00	0.00	118.09	118.09
-389	0.00	0.00	116.44	116.44
-386	0.00	0.00	95.53	95.53
-383	0.00	0.00	117.83	117.83
-380	0.00	0.00	43.89	43.89
-377	0.00	0.00	75.25	75.25
-374	0.00	0.00	97.70	97.70
-371	0.00	0.00	120.60	120.60
-368	0.00	0.00	44.67	44.67
-365	0.00	0.00	76.85	76.85
-362	0.00	0.00	100.18	100.18
-359	0.00	0.00	123.75	123.75
-356	0.00	0.00	45.95	45.95
-353	0.00	0.00	79.14	79.14
-350	0.00	0.00	102.71	102.71
-347	0.00	0.00	263.27	263.27
-344	0.00	0.00	47.48	47.48
-341	0.00	0.00	98.70	98.70
-338	0.00	0.00	138.17	138.17
-335	0.00	0.00	139.61	139.61
-332	0.00	0.00	141.12	141.12
-24	0.00	0.00	68.61	68.61
-14	0.00	0.00	330.37	330.37
-8	0.00	0.00	324.45	324.45
-5	0.00	0.00	317.24	317.24
-2	0.00	0.00	304.31	304.31
6	0.00	0.00	224.39	224.39
9	0.00	0.00	60.61	60.61

-511	0.00	0.00	268.11	268.11
-504	0.00	0.00	317.90	317.90
-497	0.00	0.00	400.13	400.13
-491	0.00	0.00	150.70	150.70
-484	0.00	0.00	257.11	257.11
-475	0.00	0.00	221.56	221.56
-466	0.00	0.00	322.32	322.32
-463	0.00	0.00	279.28	279.28
-460	0.00	0.00	344.00	344.00
-457	0.00	0.00	279.38	279.38
-454	0.00	0.00	279.58	279.58
-451	0.00	0.00	318.38	318.38
-448	0.00	0.00	290.83	290.83
-445	0.00	0.00	220.78	220.78
-442	0.00	0.00	158.01	158.01
-439	0.00	0.00	178.40	178.40
-436	0.00	0.00	198.41	198.41
-433	0.00	0.00	218.04	218.04
-430	0.00	0.00	156.98	156.98
-427	0.00	0.00	176.79	176.79
-424	0.00	0.00	196.23	196.23
-421	0.00	0.00	215.29	215.29
-418	0.00	0.00	155.91	155.91
-415	0.00	0.00	175.16	175.16
-412	0.00	0.00	194.03	194.03
-409	0.00	0.00	212.53	212.53
-406	0.00	0.00	154.82	154.82
-403	0.00	0.00	164.42	164.42
-400	0.00	0.00	89.60	89.60
-397	0.00	0.00	120.85	120.85
-394	0.00	0.00	119.20	119.20
-391	0.00	0.00	117.54	117.54
-388	0.00	0.00	115.88	115.88
-385	0.00	0.00	74.19	74.19
-382	0.00	0.00	96.25	96.25
-379	0.00	0.00	118.75	118.75
-376	0.00	0.00	44.15	44.15
-373	0.00	0.00	75.78	75.78
-370	0.00	0.00	98.43	98.43
-367	0.00	0.00	121.53	121.53
-364	0.00	0.00	44.93	44.93
-361	0.00	0.00	77.71	77.71
-358	0.00	0.00	101.21	101.21
-355	0.00	0.00	124.69	124.69
-352	0.00	0.00	46.22	46.22
-349	0.00	0.00	79.69	79.69
-346	0.00	0.00	58.09	58.09
-343	0.00	0.00	168.62	168.62
-340	0.00	0.00	21.72	21.72
-337	0.00	0.00	138.65	138.65
-334	0.00	0.00	140.09	140.09
-331	0.00	0.00	141.60	141.60
-20	0.00	0.00	68.61	68.61
-12	0.00	0.00	290.35	290.35
-7	0.00	0.00	285.32	285.32
-4	0.00	0.00	311.42	311.42
-1	0.00	0.00	340.48	340.48
7	0.00	0.00	94.29	94.29
10	0.00	0.00	60.61	60.61

Totali forze sismiche

Fx <daN>	Fy <daN>
111490.00	111490.00

Domanda in duttilità di curvatura

Direzione X μ_{EdX}=12.18
Direzione Y μ_{EdY}=12.18

Sollecitazioni elementi bidimensionali

Simbologia

Bid. = Numero del muro/elemento bidimensionale
Nodo = Numero del nodo
σ_{xx} = Tensione normale sulle facce perp. all'asse X
CC = Numero della combinazione delle condizioni di carico elementari
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo

SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)

σ_{zz} =Tensione normale sulle facce perp. all'asse Z
τ_{xz} =Tensione in dir. Z sulle facce perp. all'asse X
Mxx =Momento che provoca variazione di tensione sulle facce perp. all'asse X
Mzz =Momento che provoca variazione di tensione sulle facce perp. all'asse Z
Mxz =Momento che provoca variazione di tensione tangenziale sulle facce perp. all'asse X
τ_{zy} =Tensione in dir. Y sulle facce perp. all'asse Z
τ_{xy} =Tensione in dir. Y sulle facce perp. all'asse X

Bid. 0

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	8	SND	-7	-128704	2	SND	7	130725	**σ_{zz} <daN/mq>**	2	SND	1	-126174	2	SND	-1643	195928
τ_{xz} <daN/mq>	8	SND	-650	-83238	5	SND	-7	82911	**Mxx <daNm/m>**	1	SND	-623	-166846	4	SND	-623	172790
Mzz <daNm/m>	2	SND	-1176	-130341	2	SND	-1670	165681	**Mxz <daNm/m>**	5	SND	-641	-120201	8	SND	-1	120018
τ_{zy} <daN/mq>	2	SND	-182	-140030	2	SND	-56	237211	**τ_{xy} <daN/mq>**	1	SND	-7	-145723	7	SND	-458	133757

Sommario

Introduzione

Sistemi di riferimento

Le coordinate, i carichi concentrati, i cedimenti, le reazioni vincolari e gli spostamenti dei NODI sono riferiti ad una terna destra cartesiana globale con l'asse Z verticale rivolto verso l'alto.
I carichi in coordinate locali e le sollecitazioni delle ASTE sono riferite ad una terna destra cartesiana locale così definita:
- origine nel nodo iniziale dell'asta;
- asse X coincidente con l'asse dell'asta e con verso dal nodo iniziale al nodo finale;
- immaginando la trave a sezione rettangolare l'asse Y è parallelo alla base e l'asse Z è parallelo all'altezza. La rotazione dell'asta comporta quindi una rotazione di tutta la terna locale.

Si può immaginare la terna locale di un'asta comunque disposta nello spazio come derivante da quella globale dopo una serie di trasformazioni:
- una rotazione intorno all'asse Z che porti l'asse X a coincidere con la proiezione dell'asse dell'asta sul piano orizzontale;
- una traslazione lungo il nuovo asse X così definito in modo da portare l'origine a coincidere con la proiezione del nodo iniziale dell'asta sul piano orizzontale;
- una traslazione lungo l'asse Z che porti l'origine a coincidere con il nodo iniziale dell'asta;
- una rotazione intorno all'asse Y così definito che porti l'asse X a coincidere con l'asse dell'asta;
- una rotazione intorno all'asse X così definito pari alla rotazione dell'asta.

In pratica le travi prive di rotazione avranno sempre l'asse Z rivolto verso l'alto e l'asse Y nel piano del solaio, mentre i pilastri privi di rotazione avranno l'asse Y parallelo all'asse Y globale e l'asse Z parallelo ma controverso all'asse X globale. Da notare quindi che per i pilastri la "base" è il lato parallelo a Y.

Le sollecitazioni ed i carichi in coordinate locali negli ELEMENTI BIDIMENSIONALI e nei MURI sono riferiti ad una terna destra cartesiana locale così definita:
- origine nel primo nodo dell'elemento;
- asse X coincidente con la congiungente il primo ed il secondo nodo dell'elemento;
- asse Y definito come prodotto vettoriale fra il versore dell'asse X e il versore della congiungente il primo e il quarto nodo. Asse Z a formare con gli altri due una terna destrorsa.

Praticamente un elemento verticale con l'asse X locale coincidente con l'asse X globale ha anche gli altri assi locali coincidenti con quelli globali.

Rotazioni e momenti

Seguendo il principio adottato per tutti i carichi che sono positivi se CONTROVERSI agli assi, anche i momenti concentrati e le rotazioni impresse in coordinate globali risultano positivi se CONTROVERSI al segno positivo delle rotazioni. Il segno positivo dei momenti e delle rotazioni è quello orario per l'osservatore posto nell'origine: X ruota su Y, Y ruota su Z, Z ruota su X. In pratica è sufficiente adottare la regola della mano destra: col pollice rivolto nella direzione dell'asse, la rotazione che porta a chiudere il palmo della mano corrisponde al segno positivo.

Normativa di riferimento

La normativa di riferimento è la seguente:
- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.

- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.

- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.

- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.

- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.

- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio

- Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.

- Eurocodice 5 - Progettazione delle strutture di legno.

- DIN 1052 - Metodi di verifica per il legno.

- D.M. del 17/1/2018 - Norme tecniche per le costruzioni.

- Circolare n. 7 del 21/1/2019 - Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.

- Documento Tecnico CNR-DT 200 R1/2012 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.

- Eurocodice 3 - Progettazione delle strutture in acciaio.

Unità di misura

Le unità di misura adottate sono le seguenti:
- lunghezze : m
- forze : daN
- masse : kg
- temperature : gradi centigradi
- angoli : gradi sessadecimali o radianti

Geometria

Elenco vincoli nodi

Simbologia
Vn =Numero del vincolo nodo
Comm. =Commento
Sx =Spostamento in dir. X (L=libero, B=bloccato, E=elastico)
Sy =Spostamento in dir. Y (L=libero, B=bloccato, E=elastico)
Sz =Spostamento in dir. Z (L=libero, B=bloccato, E=elastico)
Rx =Rotazione intorno all'asse X (L=libera, B=bloccata, E=elastica)
Ry =Rotazione intorno all'asse Y (L=libera, B=bloccata, E=elastica)
Rz =Rotazione intorno all'asse Z (L=libera, B=bloccata, E=elastica)
RL =Rotazione libera
Ly =Lunghezza (dir. Y locale)
Lz =Larghezza (dir. Z locale)
Kt =Coeff. di sottofondo su suolo elastico alla Winkler

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
1	Libero	L	L	L	L	L	L				
6	appoggio	B	B	B	L	L	B				

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
2	Incastro	B	B	B	B	B	B				

Elenco nodi

Simbologia
Nodo =Numero del nodo
X =Coordinata X del nodo
Y =Coordinata Y del nodo
Z =Coordinata Z del nodo
Imp. =Numero dell'impalcato
Vn =Numero del vincolo nodo

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-3524	16.45	14.30	-0.00	0	1
-3521	15.38	14.30	-0.00	0	1
-3518	14.31	14.30	-0.00	0	1
-3515	13.96	13.44	-0.00	0	1
-3512	13.53	12.36	-0.00	0	1
-3509	13.24	11.64	-0.00	0	1
-3506	12.81	10.55	-0.00	0	1
-3503	12.37	9.47	-0.00	0	1
-3500	11.94	8.39	-0.00	0	1
-3497	11.50	7.30	-0.00	0	1
-3494	11.07	6.22	-0.00	0	1
-3491	10.63	5.14	-0.00	0	1
-3488	10.20	4.05	-0.00	0	1
-3485	9.76	2.97	-0.00	0	1
-3482	9.33	1.88	-0.00	0	1
-3479	8.89	0.80	-0.00	0	1
-3476	9.94	0.80	-0.00	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-3523	16.09	14.30	-0.00	0	1
-3520	15.02	14.30	-0.00	0	1
-3517	14.21	14.05	-0.00	0	1
-3514	13.82	13.08	-0.00	0	1
-3511	13.46	12.18	-0.00	0	1
-3508	13.10	11.28	-0.00	0	1
-3505	12.66	10.19	-0.00	0	1
-3502	12.23	9.11	-0.00	0	1
-3499	11.79	8.03	-0.00	0	1
-3496	11.36	6.94	-0.00	0	1
-3493	10.92	5.86	-0.00	0	1
-3490	10.49	4.77	-0.00	0	1
-3487	10.05	3.69	-0.00	0	1
-3484	9.62	2.61	-0.00	0	1
-3481	9.18	1.52	-0.00	0	1
-3478	9.24	0.80	-0.00	0	1
-3475	10.33	0.80	-0.00	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-3522	15.77	14.30	-0.00	0	1
-3519	14.67	14.30	-0.00	0	1
-3516	14.11	13.79	-0.00	0	1
-3513	13.68	12.72	-0.00	0	1
-3510	13.39	12.00	-0.00	0	1
-3507	12.95	10.92	-0.00	0	1
-3504	12.52	9.83	-0.00	0	1
-3501	12.08	8.75	-0.00	0	1
-3498	11.65	7.66	-0.00	0	1
-3495	11.21	6.58	-0.00	0	1
-3492	10.78	5.50	-0.00	0	1
-3489	10.34	4.41	-0.00	0	1
-3486	9.91	3.33	-0.00	0	1
-3483	9.47	2.25	-0.00	0	1
-3480	9.04	1.16	-0.00	0	1
-3477	9.59	0.80	-0.00	0	1
-3474	10.63	0.80	-0.00	0	1

-3473	10.98	0.80	-0.00	0	1
-3470	1.46	0.80	-0.01	0	1
-3467	2.42	0.80	-0.01	0	1
-3464	2.85	1.87	-0.01	0	1
-3461	3.28	2.93	-0.01	0	1
-3458	3.71	4.00	-0.01	0	1
-3455	4.13	5.07	-0.01	0	1
-3452	4.56	6.14	-0.01	0	1
-3449	4.99	7.20	-0.01	0	1
-3446	5.42	8.26	-0.01	0	1
-3443	5.84	9.32	-0.01	0	1
-3440	6.27	10.39	-0.01	0	1
-3437	6.70	11.45	-0.01	0	1
-3434	7.05	12.34	-0.01	0	1
-3431	7.41	13.23	-0.01	0	1
-3428	7.84	14.30	-0.01	0	1
-3425	6.87	14.30	-0.01	0	1
-3422	15.73	11.99	-0.75	0	1
-3419	14.83	12.06	-0.75	0	1
-3416	13.80	12.15	-0.75	0	1
-3413	13.46	12.19	0.77	0	1
-3410	13.48	12.22	1.92	0	1
-3407	13.49	12.25	3.08	0	1
-3404	13.50	12.28	4.23	0	1
-3401	13.12	12.29	5.00	0	1
-3398	11.98	12.29	5.00	0	1
-3395	10.84	12.29	5.00	0	1
-3392	9.70	12.29	5.00	0	1
-3389	8.56	12.29	5.00	0	1
-3386	7.41	12.29	5.00	0	1
-3383	5.44	12.34	-0.75	0	1
-3380	6.41	12.34	-0.75	0	1
-3377	7.05	12.34	0.37	0	1
-3374	7.05	12.32	1.47	0	1
-3371	7.04	12.30	2.57	0	1
-3368	7.03	12.29	4.32	0	1
-3365	7.03	12.29	3.64	0	1
-3362	5.27	7.90	3.98	0	1
-3358	9.04	1.16	4.62	0	1
-3355	9.04	1.16	3.46	0	1
-3352	9.04	1.16	2.31	0	1
-3349	9.04	1.16	1.15	0	1
-3346	9.18	1.53	4.62	0	1
-3343	9.18	1.53	3.46	0	1
-3340	9.18	1.53	2.31	0	1
-3337	9.18	1.52	1.15	0	1
-3334	9.33	1.89	4.62	0	1
-3331	9.33	1.89	3.46	0	1
-3328	9.33	1.89	2.31	0	1
-3325	9.33	1.89	1.15	0	1
-3322	9.48	2.26	4.62	0	1
-3319	9.47	2.25	3.46	0	1
-3316	9.47	2.25	2.31	0	1
-3313	9.47	2.25	1.15	0	1
-3310	9.62	2.62	4.62	0	1
-3307	9.62	2.62	3.46	0	1
-3304	9.62	2.61	2.31	0	1
-3301	9.62	2.61	1.15	0	1
-3298	9.77	2.99	4.62	0	1
-3295	9.77	2.98	3.46	0	1
-3292	9.76	2.98	2.31	0	1
-3289	9.76	2.97	1.15	0	1
-3286	9.91	3.35	4.62	0	1
-3283	9.91	3.35	3.46	0	1
-3280	9.91	3.34	2.31	0	1
-3277	9.91	3.33	1.15	0	1
-3274	10.06	3.72	4.62	0	1
-3271	10.06	3.71	3.46	0	1
-3268	10.06	3.70	2.31	0	1
-3265	10.05	3.70	1.15	0	1
-3262	10.21	4.08	4.62	0	1
-3259	10.20	4.07	3.46	0	1
-3256	10.20	4.07	2.31	0	1
-3253	10.20	4.06	1.15	0	1
-3250	10.35	4.45	4.62	0	1
-3247	10.35	4.44	3.46	0	1
-3244	10.35	4.43	2.31	0	1
-3241	10.34	4.42	1.15	0	1
-3238	10.50	4.81	4.62	0	1

-3472	0.81	0.80	-0.01	0	1
-3469	1.78	0.80	-0.01	0	1
-3466	2.56	1.16	-0.01	0	1
-3463	2.99	2.22	-0.01	0	1
-3460	3.42	3.29	-0.01	0	1
-3457	3.85	4.36	-0.01	0	1
-3454	4.28	5.43	-0.01	0	1
-3451	4.71	6.49	-0.01	0	1
-3448	5.13	7.55	-0.01	0	1
-3445	5.56	8.62	-0.01	0	1
-3442	5.98	9.67	-0.01	0	1
-3439	6.41	10.74	-0.01	0	1
-3436	6.84	11.81	-0.01	0	1
-3433	7.13	12.52	-0.01	0	1
-3430	7.55	13.59	-0.01	0	1
-3427	7.52	14.30	-0.01	0	1
-3424	6.58	14.30	-0.01	0	1
-3421	15.52	12.01	-0.75	0	1
-3418	14.49	12.09	-0.75	0	1
-3415	13.46	12.18	-0.75	0	1
-3412	13.47	12.20	1.15	0	1
-3409	13.48	12.23	2.31	0	1
-3406	13.49	12.26	3.46	0	1
-3403	13.50	12.28	4.62	0	1
-3400	12.74	12.29	5.00	0	1
-3397	11.60	12.29	5.00	0	1
-3394	10.46	12.29	5.00	0	1
-3391	9.32	12.29	5.00	0	1
-3388	8.18	12.29	5.00	0	1
-3385	4.95	12.34	-0.75	0	1
-3382	5.77	12.34	-0.75	0	1
-3379	6.73	12.34	-0.75	0	1
-3376	7.05	12.33	0.73	0	1
-3373	7.04	12.32	1.83	0	1
-3370	7.03	12.29	5.00	0	1
-3367	7.03	12.29	3.98	0	1
-3364	5.27	7.90	4.66	0	1
-3361	5.27	7.90	3.64	0	1
-3357	9.04	1.16	4.23	0	1
-3354	9.04	1.16	3.08	0	1
-3351	9.04	1.16	1.92	0	1
-3348	9.04	1.16	0.77	0	1
-3345	9.18	1.53	4.23	0	1
-3342	9.18	1.53	3.08	0	1
-3339	9.18	1.53	1.92	0	1
-3336	9.18	1.52	0.77	0	1
-3333	9.33	1.89	4.23	0	1
-3330	9.33	1.89	3.08	0	1
-3327	9.33	1.89	1.92	0	1
-3324	9.33	1.89	0.77	0	1
-3321	9.48	2.26	4.23	0	1
-3318	9.47	2.25	3.08	0	1
-3315	9.47	2.25	1.92	0	1
-3312	9.47	2.25	0.77	0	1
-3309	9.62	2.62	4.23	0	1
-3306	9.62	2.62	3.08	0	1
-3303	9.62	2.61	1.92	0	1
-3300	9.62	2.61	0.77	0	1
-3297	9.77	2.99	4.23	0	1
-3294	9.77	2.98	3.08	0	1
-3291	9.76	2.98	1.92	0	1
-3288	9.76	2.97	0.77	0	1
-3285	9.91	3.35	4.23	0	1
-3282	9.91	3.34	3.08	0	1
-3279	9.91	3.34	1.92	0	1
-3276	9.91	3.33	0.77	0	1
-3273	10.06	3.71	4.23	0	1
-3270	10.06	3.71	3.08	0	1
-3267	10.05	3.70	1.92	0	1
-3264	10.05	3.69	0.77	0	1
-3261	10.21	4.08	4.23	0	1
-3258	10.20	4.07	3.08	0	1
-3255	10.20	4.06	1.92	0	1
-3252	10.20	4.06	0.77	0	1
-3249	10.35	4.44	4.23	0	1
-3246	10.35	4.43	3.08	0	1
-3243	10.35	4.43	1.92	0	1
-3240	10.34	4.42	0.77	0	1
-3237	10.50	4.81	4.23	0	1

-3471	1.16	0.80	-0.01	0	1
-3468	2.10	0.80	-0.01	0	1
-3465	2.71	1.51	-0.01	0	1
-3462	3.13	2.58	-0.01	0	1
-3459	3.56	3.65	-0.01	0	1
-3456	3.99	4.71	-0.01	0	1
-3453	4.42	5.78	-0.01	0	1
-3450	4.84	6.84	-0.01	0	1
-3447	5.27	7.91	-0.01	0	1
-3444	5.70	8.96	-0.01	0	1
-3441	6.13	10.03	-0.01	0	1
-3438	6.55	11.10	-0.01	0	1
-3435	6.98	12.17	-0.01	0	1
-3432	7.27	12.88	-0.01	0	1
-3429	7.70	13.94	-0.01	0	1
-3426	7.20	14.30	-0.01	0	1
-3423	6.23	14.30	-0.01	0	1
-3420	15.18	12.04	-0.75	0	1
-3417	14.15	12.12	-0.75	0	1
-3414	13.46	12.18	0.38	0	1
-3411	13.47	12.21	1.54	0	1
-3408	13.48	12.24	2.69	0	1
-3405	13.49	12.27	3.85	0	1
-3402	13.50	12.29	5.00	0	1
-3399	12.36	12.29	5.00	0	1
-3396	11.22	12.29	5.00	0	1
-3393	10.08	12.29	5.00	0	1
-3390	8.94	12.29	5.00	0	1
-3387	7.80	12.29	5.00	0	1
-3384	5.20	12.34	-0.75	0	1
-3381	6.09	12.34	-0.75	0	1
-3378	7.06	12.35	-0.75	0	1
-3375	7.05	12.33	1.10	0	1
-3372	7.04	12.31	2.20	0	1
-3369	7.03	12.29	4.66	0	1
-3366	7.04	12.30	2.93	0	1
-3363	5.27	7.90	4.32	0	1
-3360	5.94	9.57	3.30	0	1
-3356	9.04	1.16	3.85	0	1
-3353	9.04	1.16	2.69	0	1
-3350	9.04	1.16	1.54	0	1
-3347	9.04	1.16	0.38	0	1
-3344	9.18	1.53	3.85	0	1
-3341	9.18	1.53	2.69	0	1
-3338	9.18	1.52	1.54	0	1
-3335	9.18	1.52	0.38	0	1
-3332	9.33	1.89	3.85	0	1
-3329	9.33	1.89	2.69	0	1
-3326	9.33	1.89	1.54	0	1
-3323	9.33	1.88	0.38	0	1
-3320	9.47	2.26	3.85	0	1
-3317	9.47	2.25	2.69	0	1
-3314	9.47	2.25	1.54	0	1
-3311	9.47	2.25	0.38	0	1
-3308	9.62	2.62	3.85	0	1
-3305	9.62	2.62	2.69	0	1
-3302	9.62	2.61	1.54	0	1
-3299	9.62	2.61	0.38	0	1
-3296	9.77	2.98	3.85	0	1
-3293	9.76	2.98	2.69	0	1
-3290	9.76	2.97	1.54	0	1
-3287	9.76	2.97	0.38	0	1
-3284	9.91	3.35	3.85	0	1
-3281	9.91	3.34	2.69	0	1
-3278	9.91	3.34	1.54	0	1
-3275	9.91	3.33	0.38	0	1
-3272	10.06	3.71	3.85	0	1
-3269	10.06	3.71	2.69	0	1
-3266	10.05	3.70	1.54	0	1
-3263	10.05	3.69	0.38	0	1
-3260	10.21	4.08	3.85	0	1
-3257	10.20	4.07	2.69	0	1
-3254	10.20	4.06	1.54	0	1
-3251	10.20	4.05	0.38	0	1
-3248	10.35	4.44	3.85	0	1
-3245	10.35	4.43	2.69	0	1
-3242	10.34	4.42	1.54	0	1
-3239	10.34	4.41	0.38	0	1
-3236	10.50	4.80	3.85	0	1

-3235	10.50	4.80	3.46	0	1
-3232	10.49	4.79	2.31	0	1
-3229	10.49	4.78	1.15	0	1
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-3223	10.64	5.16	3.46	0	1
-3220	10.64	5.15	2.31	0	1
-3217	10.63	5.14	1.15	0	1
-3214	10.79	5.54	4.62	0	1
-3211	10.79	5.53	3.46	0	1
-3208	10.78	5.52	2.31	0	1
-3205	10.78	5.51	1.15	0	1
-3202	10.94	5.90	4.62	0	1
-3199	10.93	5.89	3.46	0	1
-3196	10.93	5.88	2.31	0	1
-3193	10.92	5.87	1.15	0	1
-3190	11.09	6.27	4.62	0	1
-3187	11.08	6.26	3.46	0	1
-3184	11.08	6.24	2.31	0	1
-3181	11.07	6.23	1.15	0	1
-3178	11.23	6.63	4.62	0	1
-3175	11.23	6.62	3.46	0	1
-3172	11.22	6.61	2.31	0	1
-3169	11.22	6.59	1.15	0	1
-3166	11.38	7.00	4.62	0	1
-3163	11.37	6.98	3.46	0	1
-3160	11.37	6.97	2.31	0	1
-3157	11.36	6.95	1.15	0	1
-3154	11.52	7.36	4.62	0	1
-3151	11.52	7.35	3.46	0	1
-3148	11.51	7.33	2.31	0	1
-3145	11.51	7.32	1.15	0	1
-3142	11.67	7.73	4.62	0	1
-3139	11.66	7.71	3.46	0	1
-3136	11.66	7.69	2.31	0	1
-3133	11.65	7.68	1.15	0	1
-3130	11.82	8.09	4.62	0	1
-3127	11.81	8.07	3.46	0	1
-3124	11.80	8.06	2.31	0	1
-3121	11.80	8.04	1.15	0	1
-3118	11.96	8.46	4.62	0	1
-3115	11.96	8.44	3.46	0	1
-3112	11.95	8.42	2.31	0	1
-3109	11.94	8.40	1.15	0	1
-3106	12.11	8.82	4.62	0	1
-3103	12.10	8.80	3.46	0	1
-3100	12.10	8.78	2.31	0	1
-3097	12.09	8.76	1.15	0	1
-3094	12.26	9.19	4.62	0	1
-3091	12.25	9.17	3.46	0	1
-3088	12.24	9.15	2.31	0	1
-3085	12.23	9.13	1.15	0	1
-3082	12.40	9.55	4.62	0	1
-3079	12.39	9.53	3.46	0	1
-3076	12.39	9.51	2.31	0	1
-3073	12.38	9.49	1.15	0	1
-3070	12.55	9.91	4.62	0	1
-3067	12.54	9.89	3.46	0	1
-3064	12.53	9.87	2.31	0	1
-3061	12.52	9.85	1.15	0	1
-3058	12.70	10.28	4.62	0	1
-3055	12.69	10.26	3.46	0	1
-3052	12.68	10.23	2.31	0	1
-3049	12.67	10.21	1.15	0	1
-3046	12.84	10.64	4.62	0	1
-3043	12.83	10.62	3.46	0	1
-3040	12.82	10.60	2.31	0	1
-3037	12.81	10.57	1.15	0	1
-3034	12.99	11.01	4.62	0	1
-3031	12.98	10.98	3.46	0	1
-3028	12.97	10.96	2.31	0	1
-3025	12.96	10.94	1.15	0	1
-3022	13.13	11.37	4.62	0	1
-3019	13.12	11.35	3.46	0	1
-3016	13.11	11.32	2.31	0	1
-3013	13.10	11.30	1.15	0	1
-3010	13.28	11.74	4.62	0	1
-3007	13.27	11.71	3.46	0	1
-3004	13.26	11.69	2.31	0	1
-3001	13.25	11.66	1.15	0	1

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-3231	10.49	4.79	1.92	0	1
-3228	10.49	4.78	0.77	0	1
-3225	10.65	5.17	4.23	0	1
-3222	10.64	5.16	3.08	0	1
-3219	10.64	5.15	1.92	0	1
-3216	10.63	5.14	0.77	0	1
-3213	10.79	5.54	4.23	0	1
-3210	10.79	5.52	3.08	0	1
-3207	10.78	5.51	1.92	0	1
-3204	10.78	5.50	0.77	0	1
-3201	10.94	5.90	4.23	0	1
-3198	10.93	5.89	3.08	0	1
-3195	10.93	5.88	1.92	0	1
-3192	10.92	5.86	0.77	0	1
-3189	11.08	6.26	4.23	0	1
-3186	11.08	6.25	3.08	0	1
-3183	11.07	6.24	1.92	0	1
-3180	11.07	6.23	0.77	0	1
-3177	11.23	6.63	4.23	0	1
-3174	11.22	6.61	3.08	0	1
-3171	11.22	6.60	1.92	0	1
-3168	11.21	6.59	0.77	0	1
-3165	11.38	6.99	4.23	0	1
-3162	11.37	6.98	3.08	0	1
-3159	11.36	6.96	1.92	0	1
-3156	11.36	6.95	0.77	0	1
-3153	11.52	7.36	4.23	0	1
-3150	11.52	7.34	3.08	0	1
-3147	11.51	7.33	1.92	0	1
-3144	11.50	7.31	0.77	0	1
-3141	11.67	7.72	4.23	0	1
-3138	11.66	7.71	3.08	0	1
-3135	11.66	7.69	1.92	0	1
-3132	11.65	7.67	0.77	0	1
-3129	11.82	8.09	4.23	0	1
-3126	11.81	8.07	3.08	0	1
-3123	11.80	8.05	1.92	0	1
-3120	11.79	8.03	0.77	0	1
-3117	11.96	8.45	4.23	0	1
-3114	11.95	8.43	3.08	0	1
-3111	11.95	8.41	1.92	0	1
-3108	11.94	8.40	0.77	0	1
-3105	12.11	8.81	4.23	0	1
-3102	12.10	8.80	3.08	0	1
-3099	12.09	8.78	1.92	0	1
-3096	12.08	8.76	0.77	0	1
-3093	12.25	9.18	4.23	0	1
-3090	12.25	9.16	3.08	0	1
-3087	12.24	9.14	1.92	0	1
-3084	12.23	9.12	0.77	0	1
-3081	12.40	9.54	4.23	0	1
-3078	12.39	9.52	3.08	0	1
-3075	12.38	9.50	1.92	0	1
-3072	12.38	9.48	0.77	0	1
-3069	12.55	9.91	4.23	0	1
-3066	12.54	9.89	3.08	0	1
-3063	12.53	9.86	1.92	0	1
-3060	12.52	9.84	0.77	0	1
-3057	12.69	10.27	4.23	0	1
-3054	12.68	10.25	3.08	0	1
-3051	12.67	10.23	1.92	0	1
-3048	12.67	10.20	0.77	0	1
-3045	12.84	10.64	4.23	0	1
-3042	12.83	10.61	3.08	0	1
-3039	12.82	10.59	1.92	0	1
-3036	12.81	10.57	0.77	0	1
-3033	12.99	11.00	4.23	0	1
-3030	12.98	10.98	3.08	0	1
-3027	12.97	10.95	1.92	0	1
-3024	12.96	10.93	0.77	0	1
-3021	13.13	11.36	4.23	0	1
-3018	13.12	11.34	3.08	0	1
-3015	13.11	11.31	1.92	0	1
-3012	13.10	11.29	0.77	0	1
-3009	13.28	11.73	4.23	0	1
-3006	13.27	11.70	3.08	0	1
-3003	13.26	11.68	1.92	0	1
-3000	13.25	11.65	0.77	0	1

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-3230	10.49	4.78	1.54	0	1
-3227	10.49	4.78	0.38	0	1
-3224	10.64	5.17	3.85	0	1
-3221	10.64	5.16	2.69	0	1
-3218	10.64	5.15	1.54	0	1
-3215	10.63	5.14	0.38	0	1
-3212	10.79	5.53	3.85	0	1
-3209	10.79	5.52	2.69	0	1
-3206	10.78	5.51	1.54	0	1
-3203	10.78	5.50	0.38	0	1
-3200	10.94	5.90	3.85	0	1
-3197	10.93	5.88	2.69	0	1
-3194	10.93	5.87	1.54	0	1
-3191	10.92	5.86	0.38	0	1
-3188	11.08	6.26	3.85	0	1
-3185	11.08	6.25	2.69	0	1
-3182	11.07	6.23	1.54	0	1
-3179	11.07	6.22	0.38	0	1
-3176	11.23	6.62	3.85	0	1
-3173	11.22	6.61	2.69	0	1
-3170	11.22	6.60	1.54	0	1
-3167	11.21	6.58	0.38	0	1
-3164	11.37	6.99	3.85	0	1
-3161	11.37	6.97	2.69	0	1
-3158	11.36	6.96	1.54	0	1
-3155	11.36	6.94	0.38	0	1
-3152	11.52	7.35	3.85	0	1
-3149	11.51	7.34	2.69	0	1
-3146	11.51	7.32	1.54	0	1
-3143	11.50	7.31	0.38	0	1
-3140	11.67	7.72	3.85	0	1
-3137	11.66	7.70	2.69	0	1
-3134	11.65	7.68	1.54	0	1
-3131	11.65	7.67	0.38	0	1
-3128	11.81	8.08	3.85	0	1
-3125	11.81	8.06	2.69	0	1
-3122	11.80	8.05	1.54	0	1
-3119	11.79	8.03	0.38	0	1
-3116	11.96	8.44	3.85	0	1
-3113	11.95	8.43	2.69	0	1
-3110	11.94	8.41	1.54	0	1
-3107	11.94	8.39	0.38	0	1
-3104	12.11	8.81	3.85	0	1
-3101	12.10	8.79	2.69	0	1
-3098	12.09	8.77	1.54	0	1
-3095	12.08	8.75	0.38	0	1
-3092	12.25	9.17	3.85	0	1
-3089	12.24	9.15	2.69	0	1
-3086	12.24	9.13	1.54	0	1
-3083	12.23	9.11	0.38	0	1
-3080	12.40	9.54	3.85	0	1
-3077	12.39	9.52	2.69	0	1
-3074	12.38	9.49	1.54	0	1
-3071	12.37	9.47	0.38	0	1
-3068	12.54	9.90	3.85	0	1
-3065	12.53	9.88	2.69	0	1
-3062	12.53	9.86	1.54	0	1
-3059	12.52	9.84	0.38	0	1
-3056	12.69	10.26	3.85	0	1
-3053	12.68	10.24	2.69	0	1
-3050	12.67	10.22	1.54	0	1
-3047	12.66	10.20	0.38	0	1
-3044	12.84	10.63	3.85	0	1
-3041	12.83	10.60	2.69	0	1
-3038	12.82	10.58	1.54	0	1
-3035	12.81	10.56	0.38	0	1
-3032	12.98	10.99	3.85	0	1
-3029	12.97	10.97	2.69	0	1
-3026	12.96	10.94	1.54	0	1
-3023	12.95	10.92	0.38	0	1
-3020	13.13	11.36	3.85	0	1
-3017	13.12	11.33	2.69	0	1
-3014	13.11	11.31	1.54	0	1
-3011	13.10	11.28	0.38	0	1
-3008	13.27	11.72	3.85	0	1
-3005	13.26	11.69	2.69	0	1
-3002	13.25	11.67	1.54	0	1
-2999	13.24	11.64	0.38	0	1

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-2995	13.42	12.07	3.46	0	1	-2994	13.41	12.07	3.08	0	1	-2993	13.41	12.06	2.69	0	1
-2992	13.41	12.05	2.31	0	1	-2991	13.40	12.04	1.92	0	1	-2990	13.40	12.03	1.54	0	1
-2989	13.40	12.02	1.15	0	1	-2988	13.39	12.01	0.77	0	1	-2987	13.39	12.00	0.38	0	1
-2986	13.57	12.47	4.62	0	1	-2985	13.57	12.46	4.23	0	1	-2984	13.57	12.45	3.85	0	1
-2983	13.56	12.44	3.46	0	1	-2982	13.56	12.43	3.08	0	1	-2981	13.56	12.42	2.69	0	1
-2980	13.55	12.41	2.31	0	1	-2979	13.55	12.40	1.92	0	1	-2978	13.54	12.39	1.54	0	1
-2977	13.54	12.38	1.15	0	1	-2976	13.54	12.37	0.77	0	1	-2975	13.53	12.36	0.38	0	1
-2974	13.72	12.83	4.62	0	1	-2973	13.72	12.82	4.23	0	1	-2972	13.71	12.81	3.85	0	1
-2971	13.71	12.80	3.46	0	1	-2970	13.71	12.79	3.08	0	1	-2969	13.70	12.78	2.69	0	1
-2968	13.70	12.77	2.31	0	1	-2967	13.69	12.76	1.92	0	1	-2966	13.69	12.75	1.54	0	1
-2965	13.69	12.75	1.15	0	1	-2964	13.68	12.74	0.77	0	1	-2963	13.68	12.73	0.38	0	1
-2962	13.87	13.20	4.62	0	1	-2961	13.86	13.19	4.23	0	1	-2960	13.86	13.18	3.85	0	1
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-2956	13.84	13.14	2.31	0	1	-2955	13.84	13.13	1.92	0	1	-2954	13.84	13.12	1.54	0	1
-2953	13.83	13.11	1.15	0	1	-2952	13.83	13.10	0.77	0	1	-2951	13.82	13.09	0.38	0	1
-2950	13.95	13.39	4.62	0	1	-2949	13.95	13.40	4.23	0	1	-2948	13.95	13.40	3.85	0	1
-2947	13.95	13.40	3.46	0	1	-2946	13.95	13.41	3.08	0	1	-2945	13.95	13.41	2.69	0	1
-2944	13.96	13.42	2.31	0	1	-2943	13.96	13.42	1.92	0	1	-2942	13.96	13.42	1.54	0	1
-2941	13.96	13.43	1.15	0	1	-2940	13.96	13.43	0.77	0	1	-2939	13.96	13.44	0.38	0	1
-2938	14.02	13.59	4.62	0	1	-2937	14.03	13.61	4.23	0	1	-2936	14.04	13.62	3.85	0	1
-2935	14.05	13.64	3.46	0	1	-2934	14.05	13.66	3.08	0	1	-2933	14.06	13.68	2.69	0	1
-2932	14.07	13.69	2.31	0	1	-2931	14.07	13.71	1.92	0	1	-2930	14.08	13.73	1.54	0	1
-2929	14.09	13.75	1.15	0	1	-2928	14.10	13.76	0.77	0	1	-2927	14.10	13.78	0.38	0	1
-2926	14.17	13.94	4.62	0	1	-2925	14.17	13.95	4.23	0	1	-2924	14.17	13.96	3.85	0	1
-2923	14.18	13.97	3.46	0	1	-2922	14.18	13.98	3.08	0	1	-2921	14.18	13.99	2.69	0	1
-2920	14.19	14.00	2.31	0	1	-2919	14.19	14.01	1.92	0	1	-2918	14.20	14.01	1.54	0	1
-2917	14.20	14.02	1.15	0	1	-2916	14.20	14.03	0.77	0	1	-2915	14.21	14.04	0.38	0	1
-2913	7.69	13.94	2.93	0	1	-2912	7.69	13.94	2.57	0	1	-2911	7.69	13.94	2.20	0	1
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-2907	7.70	13.94	0.73	0	1	-2906	7.70	13.94	0.37	0	1	-2905	7.55	13.57	2.93	0	1
-2904	7.55	13.57	2.57	0	1	-2903	7.55	13.58	2.20	0	1	-2902	7.55	13.58	1.83	0	1
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-2892	7.41	13.22	1.10	0	1	-2891	7.41	13.23	0.73	0	1	-2890	7.41	13.23	0.37	0	1
-2889	7.26	12.84	2.93	0	1	-2888	7.26	12.85	2.57	0	1	-2887	7.26	12.85	2.20	0	1
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-2883	7.27	12.87	0.73	0	1	-2882	7.27	12.87	0.37	0	1	-2881	7.11	12.48	2.93	0	1
-2880	7.11	12.49	2.57	0	1	-2879	7.11	12.49	2.20	0	1	-2878	7.12	12.50	1.83	0	1
-2877	7.12	12.50	1.47	0	1	-2876	7.12	12.51	1.10	0	1	-2875	7.12	12.51	0.73	0	1
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-2871	6.97	12.13	2.20	0	1	-2870	6.97	12.14	1.83	0	1	-2869	6.97	12.14	1.47	0	1
-2868	6.98	12.15	1.10	0	1	-2867	6.98	12.16	0.73	0	1	-2866	6.98	12.16	0.37	0	1
-2865	6.82	11.75	2.93	0	1	-2864	6.82	11.76	2.57	0	1	-2863	6.82	11.77	2.20	0	1
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-2859	6.84	11.80	0.73	0	1	-2858	6.84	11.81	0.37	0	1	-2857	6.67	11.39	2.93	0	1
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-2853	6.69	11.42	1.47	0	1	-2852	6.69	11.43	1.10	0	1	-2851	6.69	11.44	0.73	0	1
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-2847	6.53	11.04	2.20	0	1	-2846	6.54	11.05	1.83	0	1	-2845	6.54	11.06	1.47	0	1
-2844	6.54	11.07	1.10	0	1	-2843	6.55	11.08	0.73	0	1	-2842	6.55	11.09	0.37	0	1
-2841	6.38	10.66	2.93	0	1	-2840	6.38	10.67	2.57	0	1	-2839	6.39	10.68	2.20	0	1
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-2835	6.41	10.73	0.73	0	1	-2834	6.41	10.74	0.37	0	1	-2833	6.23	10.30	2.93	0	1
-2832	6.24	10.31	2.57	0	1	-2831	6.24	10.32	2.20	0	1	-2830	6.25	10.33	1.83	0	1
-2829	6.25	10.35	1.47	0	1	-2828	6.26	10.36	1.10	0	1	-2827	6.26	10.37	0.73	0	1
-2826	6.27	10.38	0.37	0	1	-2825	6.09	9.93	2.93	0	1	-2824	6.09	9.95	2.57	0	1
-2823	6.10	9.96	2.20	0	1	-2822	6.10	9.97	1.83	0	1	-2821	6.11	9.99	1.47	0	1
-2820	6.11	10.00	1.10	0	1	-2819	6.12	10.01	0.73	0	1	-2818	6.12	10.02	0.37	0	1
-2817	5.94	9.57	2.93	0	1	-2816	5.95	9.58	2.57	0	1	-2815	5.95	9.60	2.20	0	1
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-2811	5.97	9.65	0.73	0	1	-2810	5.98	9.67	0.37	0	1	-2809	5.80	9.21	2.93	0	1
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-2802	5.84	9.31	0.37	0	1	-2801	5.65	8.84	2.93	0	1	-2800	5.66	8.86	2.57	0	1
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-2769	5.13	7.55	2.93	0	1	-2768	5.13	7.55	2.57	0	1	-2767	5.13	7.55	2.20	0	1
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-2763	5.13	7.55	0.73	0	1	-2762	5.13	7.55	0.37	0	1	-2761	4.99	7.20	2.93	0	1

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-2751	4.84	6.84	2.20	0	1	-2750	4.84	6.84	1.83	0	1	-2749	4.84	6.84	1.47	0	1
-2748	4.84	6.84	1.10	0	1	-2747	4.84	6.84	0.73	0	1	-2746	4.84	6.84	0.37	0	1
-2745	4.76	6.62	2.93	0	1	-2744	4.75	6.60	2.57	0	1	-2743	4.74	6.59	2.20	0	1
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-2739	4.72	6.52	0.73	0	1	-2738	4.71	6.50	0.37	0	1	-2737	4.61	6.26	2.93	0	1
-2736	4.60	6.24	2.57	0	1	-2735	4.60	6.22	2.20	0	1	-2734	4.59	6.21	1.83	0	1
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-2721	4.32	5.53	2.93	0	1	-2720	4.31	5.52	2.57	0	1	-2719	4.31	5.50	2.20	0	1
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-2715	4.29	5.45	0.73	0	1	-2714	4.28	5.43	0.37	0	1	-2713	4.17	5.17	2.93	0	1
-2712	4.17	5.15	2.57	0	1	-2711	4.16	5.14	2.20	0	1	-2710	4.16	5.13	1.83	0	1
-2709	4.15	5.11	1.47	0	1	-2708	4.15	5.10	1.10	0	1	-2707	4.14	5.09	0.73	0	1
-2706	4.14	5.08	0.37	0	1	-2705	4.03	4.80	2.93	0	1	-2704	4.02	4.79	2.57	0	1
-2703	4.02	4.78	2.20	0	1	-2702	4.01	4.77	1.83	0	1	-2701	4.01	4.75	1.47	0	1
-2700	4.00	4.74	1.10	0	1	-2699	4.00	4.73	0.73	0	1	-2698	3.99	4.72	0.37	0	1
-2697	3.88	4.44	2.93	0	1	-2696	3.88	4.43	2.57	0	1	-2695	3.87	4.42	2.20	0	1
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-2691	3.85	4.37	0.73	0	1	-2690	3.85	4.36	0.37	0	1	-2689	3.73	4.07	2.93	0	1
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-2682	3.71	4.01	0.37	0	1	-2681	3.59	3.71	2.93	0	1	-2680	3.59	3.70	2.57	0	1
-2679	3.58	3.69	2.20	0	1	-2678	3.58	3.68	1.83	0	1	-2677	3.57	3.68	1.47	0	1
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-2664	3.29	2.98	2.57	0	1	-2663	3.29	2.97	2.20	0	1	-2662	3.29	2.96	1.83	0	1
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-2643	2.99	2.23	0.73	0	1	-2642	2.99	2.23	0.37	0	1	-2641	2.86	1.89	2.93	0	1
-2640	2.86	1.89	2.57	0	1	-2639	2.86	1.88	2.20	0	1	-2638	2.85	1.88	1.83	0	1
-2637	2.85	1.88	1.47	0	1	-2636	2.85	1.88	1.10	0	1	-2635	2.85	1.87	0.73	0	1
-2634	2.85	1.87	0.37	0	1	-2633	2.71	1.53	2.93	0	1	-2632	2.71	1.53	2.57	0	1
-2631	2.71	1.52	2.20	0	1	-2630	2.71	1.52	1.83	0	1	-2629	2.71	1.52	1.47	0	1
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-2582	6.52	11.02	3.98	0	1	-2581	6.52	11.02	3.64	0	1	-2580	6.38	10.65	4.66	0	1
-2579	6.38	10.65	4.32	0	1	-2578	6.38	10.65	3.98	0	1	-2577	6.38	10.65	3.64	0	1
-2576	6.23	10.29	4.66	0	1	-2575	6.23	10.29	4.32	0	1	-2574	6.23	10.29	3.98	0	1
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-2537	4.84	6.84	3.64	0	1	-2536	4.76	6.64	4.66	0	1	-2535	4.76	6.64	4.32	0	1
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-2220	11.50	13.94	5.00	0	1
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-2058	7.34	7.37	5.00	0	1
-2055	6.90	6.27	5.00	0	1
-2052	6.46	5.18	5.00	0	1
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-2126	7.52	5.91	5.00	0	1
-2123	7.08	4.81	5.00	0	1
-2120	6.64	3.72	5.00	0	1
-2117	6.20	2.62	5.00	0	1
-2114	5.76	1.53	5.00	0	1
-2111	10.21	13.57	5.00	0	1
-2108	9.77	12.48	5.00	0	1
-2105	9.33	11.38	5.00	0	1
-2102	8.89	10.29	5.00	0	1
-2099	8.45	9.19	5.00	0	1
-2096	8.01	8.10	5.00	0	1
-2093	7.57	7.00	5.00	0	1
-2090	7.13	5.91	5.00	0	1
-2087	6.70	4.81	5.00	0	1
-2084	6.26	3.72	5.00	0	1
-2081	5.82	2.62	5.00	0	1
-2078	5.38	1.53	5.00	0	1
-2075	9.83	13.57	5.00	0	1
-2072	9.39	12.48	5.00	0	1
-2069	8.95	11.38	5.00	0	1
-2066	8.51	10.29	5.00	0	1
-2063	8.07	9.19	5.00	0	1
-2060	7.63	8.10	5.00	0	1
-2057	7.19	7.00	5.00	0	1
-2054	6.75	5.91	5.00	0	1
-2051	6.31	4.81	5.00	0	1
-2048	5.88	3.72	5.00	0	1
-2045	5.44	2.62	5.00	0	1
-2042	5.00	1.53	5.00	0	1

-2275	9.77	7.73	5.00	0	1
-2272	9.33	6.64	5.00	0	1
-2269	8.89	5.54	5.00	0	1
-2266	8.45	4.45	5.00	0	1
-2263	8.01	3.35	5.00	0	1
-2260	7.57	2.26	5.00	0	1
-2257	7.13	1.16	5.00	0	1
-2254	11.59	13.21	5.00	0	1
-2251	11.15	12.11	5.00	0	1
-2248	10.71	11.02	5.00	0	1
-2245	10.27	9.92	5.00	0	1
-2242	9.83	8.83	5.00	0	1
-2239	9.39	7.73	5.00	0	1
-2236	8.95	6.64	5.00	0	1
-2233	8.51	5.54	5.00	0	1
-2230	8.07	4.45	5.00	0	1
-2227	7.63	3.35	5.00	0	1
-2224	7.19	2.26	5.00	0	1
-2221	6.75	1.16	5.00	0	1
-2218	11.21	13.21	5.00	0	1
-2215	10.77	12.11	5.00	0	1
-2212	10.33	11.02	5.00	0	1
-2209	9.89	9.92	5.00	0	1
-2206	9.45	8.83	5.00	0	1
-2203	9.01	7.73	5.00	0	1
-2200	8.57	6.64	5.00	0	1
-2197	8.13	5.54	5.00	0	1
-2194	7.69	4.45	5.00	0	1
-2191	7.25	3.35	5.00	0	1
-2188	6.81	2.26	5.00	0	1
-2185	6.37	1.16	5.00	0	1
-2182	10.83	13.21	5.00	0	1
-2179	10.39	12.11	5.00	0	1
-2176	9.95	11.02	5.00	0	1
-2173	9.51	9.92	5.00	0	1
-2170	9.07	8.83	5.00	0	1
-2167	8.63	7.73	5.00	0	1
-2164	8.19	6.64	5.00	0	1
-2161	7.75	5.54	5.00	0	1
-2158	7.31	4.45	5.00	0	1
-2155	6.87	3.35	5.00	0	1
-2152	6.43	2.26	5.00	0	1
-2149	5.99	1.16	5.00	0	1
-2146	10.45	13.21	5.00	0	1
-2143	10.01	12.11	5.00	0	1
-2140	9.57	11.02	5.00	0	1
-2137	9.13	9.92	5.00	0	1
-2134	8.69	8.83	5.00	0	1
-2131	8.25	7.73	5.00	0	1
-2128	7.81	6.64	5.00	0	1
-2125	7.37	5.54	5.00	0	1
-2122	6.93	4.45	5.00	0	1
-2119	6.49	3.35	5.00	0	1
-2116	6.05	2.26	5.00	0	1
-2113	5.61	1.16	5.00	0	1
-2110	10.06	13.21	5.00	0	1
-2107	9.63	12.11	5.00	0	1
-2104	9.19	11.02	5.00	0	1
-2101	8.75	9.92	5.00	0	1
-2098	8.31	8.83	5.00	0	1
-2095	7.87	7.73	5.00	0	1
-2092	7.43	6.64	5.00	0	1
-2089	6.99	5.54	5.00	0	1
-2086	6.55	4.45	5.00	0	1
-2083	6.11	3.35	5.00	0	1
-2080	5.67	2.26	5.00	0	1
-2077	5.23	1.16	5.00	0	1
-2074	9.68	13.21	5.00	0	1
-2071	9.24	12.11	5.00	0	1
-2068	8.81	11.02	5.00	0	1
-2065	8.37	9.92	5.00	0	1
-2062	7.93	8.83	5.00	0	1
-2059	7.49	7.73	5.00	0	1
-2056	7.05	6.64	5.00	0	1
-2053	6.61	5.54	5.00	0	1
-2050	6.17	4.45	5.00	0	1
-2047	5.73	3.35	5.00	0	1
-2044	5.29	2.26	5.00	0	1
-2041	4.85	1.16	5.00	0	1

-2040	9.60	13.94	5.00	0	1
-2037	9.16	12.84	5.00	0	1
-2034	8.72	11.75	5.00	0	1
-2031	8.28	10.65	5.00	0	1
-2028	7.84	9.56	5.00	0	1
-2025	7.40	8.46	5.00	0	1
-2022	6.96	7.37	5.00	0	1
-2019	6.52	6.27	5.00	0	1
-2016	6.08	5.18	5.00	0	1
-2013	5.64	4.08	5.00	0	1
-2010	5.20	2.99	5.00	0	1
-2007	4.76	1.89	5.00	0	1
-2004	9.22	13.94	5.00	0	1
-2001	8.78	12.84	5.00	0	1
-1998	8.34	11.75	5.00	0	1
-1995	7.90	10.65	5.00	0	1
-1992	7.46	9.56	5.00	0	1
-1989	7.02	8.46	5.00	0	1
-1986	6.58	7.37	5.00	0	1
-1983	6.14	6.27	5.00	0	1
-1980	5.70	5.18	5.00	0	1
-1977	5.26	4.08	5.00	0	1
-1974	4.82	2.99	5.00	0	1
-1971	4.38	1.89	5.00	0	1
-1968	8.84	13.94	5.00	0	1
-1965	8.40	12.84	5.00	0	1
-1962	7.96	11.75	5.00	0	1
-1959	7.52	10.65	5.00	0	1
-1956	7.08	9.56	5.00	0	1
-1953	6.64	8.46	5.00	0	1
-1950	6.20	7.37	5.00	0	1
-1947	5.76	6.27	5.00	0	1
-1944	5.32	5.18	5.00	0	1
-1941	4.88	4.08	5.00	0	1
-1938	4.44	2.99	5.00	0	1
-1935	4.00	1.89	5.00	0	1
-1932	8.45	13.94	5.00	0	1
-1929	8.02	12.84	5.00	0	1
-1926	7.58	11.75	5.00	0	1
-1923	7.14	10.65	5.00	0	1
-1920	6.70	9.56	5.00	0	1
-1917	6.26	8.46	5.00	0	1
-1914	5.82	7.37	5.00	0	1
-1911	5.38	6.27	5.00	0	1
-1908	4.94	5.18	5.00	0	1
-1905	4.50	4.08	5.00	0	1
-1902	4.06	2.99	5.00	0	1
-1899	3.62	1.89	5.00	0	1
-1896	8.07	13.94	5.00	0	1
-1893	7.63	12.84	5.00	0	1
-1890	7.20	11.75	5.00	0	1
-1887	6.76	10.65	5.00	0	1
-1884	6.32	9.56	5.00	0	1
-1881	5.88	8.46	5.00	0	1
-1878	5.44	7.37	5.00	0	1
-1875	5.00	6.27	5.00	0	1
-1872	4.56	5.18	5.00	0	1
-1869	4.12	4.08	5.00	0	1
-1866	3.68	2.99	5.00	0	1
-1863	3.24	1.89	5.00	0	1
-1860	7.69	13.94	5.00	0	1
-1857	14.02	13.57	5.00	0	1
-1854	7.25	12.84	5.00	0	1
-1851	13.58	12.48	5.00	0	1
-1848	6.81	11.75	5.00	0	1
-1845	13.14	11.38	5.00	0	1
-1842	6.38	10.65	5.00	0	1
-1839	12.70	10.29	5.00	0	1
-1836	5.94	9.56	5.00	0	1
-1833	12.26	9.19	5.00	0	1
-1830	5.56	8.62	5.00	0	1
-1827	11.82	8.10	5.00	0	1
-1824	4.99	7.20	5.00	0	1
-1821	11.38	7.00	5.00	0	1
-1818	4.62	6.27	5.00	0	1
-1815	10.94	5.91	5.00	0	1
-1812	4.18	5.18	5.00	0	1
-1809	10.50	4.81	5.00	0	1
-1806	3.74	4.08	5.00	0	1

-2039	9.45	13.57	5.00	0	1
-2036	9.01	12.48	5.00	0	1
-2033	8.57	11.38	5.00	0	1
-2030	8.13	10.29	5.00	0	1
-2027	7.69	9.19	5.00	0	1
-2024	7.25	8.10	5.00	0	1
-2021	6.81	7.00	5.00	0	1
-2018	6.37	5.91	5.00	0	1
-2015	5.93	4.81	5.00	0	1
-2012	5.49	3.72	5.00	0	1
-2009	5.06	2.62	5.00	0	1
-2006	4.62	1.53	5.00	0	1
-2003	9.07	13.57	5.00	0	1
-2000	8.63	12.48	5.00	0	1
-1997	8.19	11.38	5.00	0	1
-1994	7.75	10.29	5.00	0	1
-1991	7.31	9.19	5.00	0	1
-1988	6.87	8.10	5.00	0	1
-1985	6.43	7.00	5.00	0	1
-1982	5.99	5.91	5.00	0	1
-1979	5.55	4.81	5.00	0	1
-1976	5.11	3.72	5.00	0	1
-1973	4.67	2.62	5.00	0	1
-1970	4.24	1.53	5.00	0	1
-1967	8.69	13.57	5.00	0	1
-1964	8.25	12.48	5.00	0	1
-1961	7.81	11.38	5.00	0	1
-1958	7.37	10.29	5.00	0	1
-1955	6.93	9.19	5.00	0	1
-1952	6.49	8.10	5.00	0	1
-1949	6.05	7.00	5.00	0	1
-1946	5.61	5.91	5.00	0	1
-1943	5.17	4.81	5.00	0	1
-1940	4.73	3.72	5.00	0	1
-1937	4.29	2.62	5.00	0	1
-1934	3.85	1.53	5.00	0	1
-1931	8.31	13.57	5.00	0	1
-1928	7.87	12.48	5.00	0	1
-1925	7.43	11.38	5.00	0	1
-1922	6.99	10.29	5.00	0	1
-1919	6.55	9.19	5.00	0	1
-1916	6.11	8.10	5.00	0	1
-1913	5.67	7.00	5.00	0	1
-1910	5.23	5.91	5.00	0	1
-1907	4.79	4.81	5.00	0	1
-1904	4.35	3.72	5.00	0	1
-1901	3.91	2.62	5.00	0	1
-1898	3.47	1.53	5.00	0	1
-1895	7.93	13.57	5.00	0	1
-1892	7.49	12.48	5.00	0	1
-1889	7.05	11.38	5.00	0	1
-1886	6.61	10.29	5.00	0	1
-1883	6.17	9.19	5.00	0	1
-1880	5.74	8.13	5.00	0	1
-1877	5.29	7.00	5.00	0	1
-1874	4.85	5.91	5.00	0	1
-1871	4.41	4.81	5.00	0	1
-1868	3.97	3.72	5.00	0	1
-1865	3.53	2.62	5.00	0	1
-1862	3.09	1.53	5.00	0	1
-1859	14.16	13.94	5.00	0	1
-1856	7.40	13.21	5.00	0	1
-1853	13.72	12.84	5.00	0	1
-1850	6.96	12.11	5.00	0	1
-1847	13.28	11.75	5.00	0	1
-1844	6.52	11.02	5.00	0	1
-1841	12.85	10.65	5.00	0	1
-1838	6.08	9.92	5.00	0	1
-1835	12.41	9.56	5.00	0	1
-1832	5.64	8.83	5.00	0	1
-1829	11.97	8.46	5.00	0	1
-1826	5.13	7.55	5.00	0	1
-1823	11.53	7.37	5.00	0	1
-1820	4.76	6.64	5.00	0	1
-1817	11.09	6.27	5.00	0	1
-1814	4.32	5.54	5.00	0	1
-1811	10.65	5.18	5.00	0	1
-1808	3.88	4.45	5.00	0	1
-1805	10.21	4.08	5.00	0	1

-2038	9.30	13.21	5.00	0	1
-2035	8.86	12.11	5.00	0	1
-2032	8.42	11.02	5.00	0	1
-2029	7.99	9.92	5.00	0	1
-2026	7.55	8.83	5.00	0	1
-2023	7.11	7.73	5.00	0	1
-2020	6.67	6.64	5.00	0	1
-2017	6.23	5.54	5.00	0	1
-2014	5.79	4.45	5.00	0	1
-2011	5.35	3.35	5.00	0	1
-2008	4.91	2.26	5.00	0	1
-2005	4.47	1.16	5.00	0	1
-2002	8.92	13.21	5.00	0	1
-1999	8.48	12.11	5.00	0	1
-1996	8.04	11.02	5.00	0	1
-1993	7.60	9.92	5.00	0	1
-1990	7.17	8.83	5.00	0	1
-1987	6.73	7.73	5.00	0	1
-1984	6.29	6.64	5.00	0	1
-1981	5.85	5.54	5.00	0	1
-1978	5.41	4.45	5.00	0	1
-1975	4.97	3.35	5.00	0	1
-1972	4.53	2.26	5.00	0	1
-1969	4.09	1.16	5.00	0	1
-1966	8.54	13.21	5.00	0	1
-1963	8.10	12.11	5.00	0	1
-1960	7.66	11.02	5.00	0	1
-1957	7.22	9.92	5.00	0	1
-1954	6.78	8.83	5.00	0	1
-1951	6.35	7.73	5.00	0	1
-1948	5.91	6.64	5.00	0	1
-1945	5.47	5.54	5.00	0	1
-1942	5.03	4.45	5.00	0	1
-1939	4.59	3.35	5.00	0	1
-1936	4.15	2.26	5.00	0	1
-1933	3.71	1.16	5.00	0	1
-1930	8.16	13.21	5.00	0	1
-1927	7.72	12.11	5.00	0	1
-1924	7.28	11.02	5.00	0	1
-1921	6.84	9.92	5.00	0	1
-1918	6.40	8.83	5.00	0	1
-1915	5.96	7.73	5.00	0	1
-1912	5.52	6.64	5.00	0	1
-1909	5.09	5.54	5.00	0	1
-1906	4.65	4.45	5.00	0	1
-1903	4.21	3.35	5.00	0	1
-1900	3.77	2.26	5.00	0	1
-1897	3.33	1.16	5.00	0	1
-1894	7.78	13.21	5.00	0	1
-1891	7.34	12.11	5.00	0	1
-1888	6.90	11.02	5.00	0	1
-1885	6.46	9.92	5.00	0	1
-1882	6.02	8.83	5.00	0	1
-1879	5.58	7.73	5.00	0	1
-1876	5.14	6.64	5.00	0	1
-1873	4.70	5.54	5.00	0	1
-1870	4.27	4.45	5.00	0	1
-1867	3.83	3.35	5.00	0	1
-1864	3.39	2.26	5.00	0	1
-1861	2.95	1.16	5.00	0	1
-1858	7.55	13.57	5.00	0	1
-1855	13.87	13.21	5.00	0	1
-1852	7.11	12.48	5.00	0	1
-1849	13.43	12.11	5.00	0	1
-1846	6.67	11.38	5.00	0	1
-1843	12.99	11.02	5.00	0	1
-1840	6.23	10.29	5.00	0	1
-1837	12.55	9.92	5.00	0	1
-1834	5.79	9.19	5.00	0	1
-1831	12.11	8.83	5.00	0	1
-1828	5.42	8.26	5.00	0	1
-1825	11.67	7.73	5.00	0	1
-1822	4.84	6.84	5.00	0	1
-1819	11.23	6.64	5.00	0	1
-1816	4.47	5.91	5.00	0	1
-1813	10.79	5.54	5.00	0	1
-1810	4.03	4.81	5.00	0	1
-1807	10.35	4.45	5.00	0	1
-1804	3.59	3.72	5.00	0	1

-1803	10.06	3.72	5.00	0	1
-1800	3.30	2.99	5.00	0	1
-1797	9.62	2.62	5.00	0	1
-1794	2.86	1.89	5.00	0	1
-1791	9.18	1.53	5.00	0	1
-1788	13.93	14.30	5.00	0	1
-1785	8.13	0.80	5.00	0	1
-1782	12.79	14.30	5.00	0	1
-1779	6.99	0.80	5.00	0	1
-1776	11.65	14.30	5.00	0	1
-1773	5.85	0.80	5.00	0	1
-1770	10.50	14.30	5.00	0	1
-1767	4.70	0.80	5.00	0	1
-1764	9.36	14.30	5.00	0	1
-1761	3.56	0.80	5.00	0	1
-1758	8.22	14.30	5.00	0	1
-1755	10.63	0.80	4.23	0	1
-1752	10.63	0.80	3.08	0	1
-1749	10.63	0.80	1.92	0	1
-1746	10.63	0.80	0.77	0	1
-1743	10.28	0.80	4.23	0	1
-1740	10.28	0.80	3.08	0	1
-1737	10.28	0.80	1.92	0	1
-1734	10.28	0.80	0.77	0	1
-1731	9.94	0.80	4.23	0	1
-1728	9.94	0.80	3.08	0	1
-1725	9.94	0.80	1.92	0	1
-1722	9.94	0.80	0.77	0	1
-1719	9.59	0.80	4.23	0	1
-1716	9.59	0.80	3.08	0	1
-1713	9.59	0.80	1.92	0	1
-1710	9.59	0.80	0.77	0	1
-1707	9.24	0.80	4.23	0	1
-1704	9.24	0.80	3.08	0	1
-1701	9.24	0.80	1.92	0	1
-1698	9.24	0.80	0.77	0	1
-1695	10.98	0.80	4.62	0	1
-1692	8.89	0.80	3.85	0	1
-1689	10.98	0.80	3.46	0	1
-1686	8.89	0.80	2.69	0	1
-1683	10.98	0.80	2.31	0	1
-1680	8.89	0.80	1.54	0	1
-1677	10.98	0.80	1.15	0	1
-1674	8.89	0.80	0.38	0	1
-1671	10.28	0.80	5.00	0	1
-1668	9.24	0.80	5.00	0	1
-1665	1.13	0.80	2.20	0	1
-1662	1.13	0.80	1.10	0	1
-1659	1.45	0.80	2.93	0	1
-1656	1.46	0.80	1.83	0	1
-1653	1.46	0.80	0.73	0	1
-1650	1.78	0.80	2.57	0	1
-1647	1.78	0.80	1.47	0	1
-1644	1.78	0.80	0.37	0	1
-1641	2.10	0.80	2.20	0	1
-1638	2.10	0.80	1.10	0	1
-1635	2.42	0.80	2.93	0	1
-1632	0.81	0.80	2.57	0	1
-1629	2.42	0.80	1.83	0	1
-1626	0.81	0.80	1.47	0	1
-1623	2.42	0.80	0.73	0	1
-1620	0.81	0.80	0.37	0	1
-1617	1.13	0.80	3.98	0	1
-1614	1.45	0.80	4.32	0	1
-1611	1.78	0.80	4.66	0	1
-1608	1.78	0.80	3.64	0	1
-1605	2.10	0.80	3.98	0	1
-1602	0.81	0.80	4.66	0	1
-1599	2.42	0.80	3.98	0	1
-1596	0.81	0.80	3.64	0	1
-1593	1.45	0.80	5.00	0	1
-1590	1.78	0.80	3.30	0	1
-1587	16.09	14.30	4.62	0	1
-1584	16.09	14.30	3.46	0	1
-1581	16.09	14.30	2.31	0	1
-1578	16.09	14.30	1.15	0	1
-1575	15.74	14.30	4.62	0	1
-1572	15.74	14.30	3.46	0	1
-1569	15.74	14.30	2.31	0	1

-1802	3.45	3.35	5.00	0	1
-1799	9.77	2.99	5.00	0	1
-1796	3.01	2.26	5.00	0	1
-1793	9.33	1.89	5.00	0	1
-1790	2.57	1.16	5.00	0	1
-1787	8.51	0.80	5.00	0	1
-1784	13.17	14.30	5.00	0	1
-1781	7.37	0.80	5.00	0	1
-1778	12.03	14.30	5.00	0	1
-1775	6.23	0.80	5.00	0	1
-1772	10.88	14.30	5.00	0	1
-1769	5.08	0.80	5.00	0	1
-1766	9.74	14.30	5.00	0	1
-1763	3.94	0.80	5.00	0	1
-1760	8.60	14.30	5.00	0	1
-1757	2.80	0.80	5.00	0	1
-1754	10.63	0.80	3.85	0	1
-1751	10.63	0.80	2.69	0	1
-1748	10.63	0.80	1.54	0	1
-1745	10.63	0.80	0.38	0	1
-1742	10.28	0.80	3.85	0	1
-1739	10.28	0.80	2.69	0	1
-1736	10.28	0.80	1.54	0	1
-1733	10.28	0.80	0.38	0	1
-1730	9.94	0.80	3.85	0	1
-1727	9.94	0.80	2.69	0	1
-1724	9.94	0.80	1.54	0	1
-1721	9.94	0.80	0.38	0	1
-1718	9.59	0.80	3.85	0	1
-1715	9.59	0.80	2.69	0	1
-1712	9.59	0.80	1.54	0	1
-1709	9.59	0.80	0.38	0	1
-1706	9.24	0.80	3.85	0	1
-1703	9.24	0.80	2.69	0	1
-1700	9.24	0.80	1.54	0	1
-1697	9.24	0.80	0.38	0	1
-1694	8.89	0.80	4.23	0	1
-1691	10.98	0.80	3.85	0	1
-1688	8.89	0.80	3.08	0	1
-1685	10.98	0.80	2.69	0	1
-1682	8.89	0.80	1.92	0	1
-1679	10.98	0.80	1.54	0	1
-1676	8.89	0.80	0.77	0	1
-1673	10.98	0.80	0.38	0	1
-1670	9.94	0.80	5.00	0	1
-1667	1.13	0.80	2.93	0	1
-1664	1.13	0.80	1.83	0	1
-1661	1.13	0.80	0.73	0	1
-1658	1.45	0.80	2.57	0	1
-1655	1.46	0.80	1.47	0	1
-1652	1.46	0.80	0.37	0	1
-1649	1.78	0.80	2.20	0	1
-1646	1.78	0.80	1.10	0	1
-1643	2.10	0.80	2.93	0	1
-1640	2.10	0.80	1.83	0	1
-1637	2.10	0.80	0.73	0	1
-1634	0.81	0.80	2.93	0	1
-1631	2.42	0.80	2.20	0	1
-1628	0.81	0.80	1.83	0	1
-1625	2.42	0.80	1.10	0	1
-1622	0.81	0.80	0.73	0	1
-1619	1.13	0.80	4.66	0	1
-1616	1.13	0.80	3.64	0	1
-1613	1.45	0.80	3.98	0	1
-1610	1.78	0.80	4.32	0	1
-1607	2.10	0.80	4.66	0	1
-1604	2.10	0.80	3.64	0	1
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-1598	0.81	0.80	3.98	0	1
-1595	1.13	0.80	5.00	0	1
-1592	1.45	0.80	3.30	0	1
-1589	2.10	0.80	5.00	0	1
-1586	16.09	14.30	4.23	0	1
-1583	16.09	14.30	3.08	0	1
-1580	16.09	14.30	1.92	0	1
-1577	16.09	14.30	0.77	0	1
-1574	15.74	14.30	4.23	0	1
-1571	15.74	14.30	3.08	0	1
-1568	15.74	14.30	1.92	0	1

-1801	9.92	3.35	5.00	0	1
-1798	3.15	2.62	5.00	0	1
-1795	9.48	2.26	5.00	0	1
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-1789	9.04	1.16	5.00	0	1
-1786	13.55	14.30	5.00	0	1
-1783	7.75	0.80	5.00	0	1
-1780	12.41	14.30	5.00	0	1
-1777	6.61	0.80	5.00	0	1
-1774	11.27	14.30	5.00	0	1
-1771	5.46	0.80	5.00	0	1
-1768	10.12	14.30	5.00	0	1
-1765	4.32	0.80	5.00	0	1
-1762	8.98	14.30	5.00	0	1
-1759	3.18	0.80	5.00	0	1
-1756	10.63	0.80	4.62	0	1
-1753	10.63	0.80	3.46	0	1
-1750	10.63	0.80	2.31	0	1
-1747	10.63	0.80	1.15	0	1
-1744	10.28	0.80	4.62	0	1
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-1717	9.59	0.80	3.46	0	1
-1714	9.59	0.80	2.31	0	1
-1711	9.59	0.80	1.15	0	1
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-1705	9.24	0.80	3.46	0	1
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-1699	9.24	0.80	1.15	0	1
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-1693	10.98	0.80	4.23	0	1
-1690	8.89	0.80	3.46	0	1
-1687	10.98	0.80	3.08	0	1
-1684	8.89	0.80	2.31	0	1
-1681	10.98	0.80	1.92	0	1
-1678	8.89	0.80	1.15	0	1
-1675	10.98	0.80	0.77	0	1
-1672	10.63	0.80	5.00	0	1
-1669	9.59	0.80	5.00	0	1
-1666	1.13	0.80	2.57	0	1
-1663	1.13	0.80	1.47	0	1
-1660	1.13	0.80	0.37	0	1
-1657	1.45	0.80	2.20	0	1
-1654	1.46	0.80	1.10	0	1
-1651	1.78	0.80	2.93	0	1
-1648	1.78	0.80	1.83	0	1
-1645	1.78	0.80	0.73	0	1
-1642	2.10	0.80	2.57	0	1
-1639	2.10	0.80	1.47	0	1
-1636	2.10	0.80	0.37	0	1
-1633	2.42	0.80	2.57	0	1
-1630	0.81	0.80	2.20	0	1
-1627	2.42	0.80	1.47	0	1
-1624	0.81	0.80	1.10	0	1
-1621	2.42	0.80	0.37	0	1
-1618	1.13	0.80	4.32	0	1
-1615	1.45	0.80	4.66	0	1
-1612	1.45	0.80	3.64	0	1
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-1591	1.78	0.80	5.00	0	1
-1588	2.10	0.80	3.30	0	1
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-1582	16.09	14.30	2.69	0	1
-1579	16.09	14.30	1.54	0	1
-1576	16.09	14.30	0.38	0	1
-1573	15.74	14.30	3.85	0	1
-1570	15.74	14.30	2.69	0	1
-1567	15.74	14.30	1.54	0	1

-1566	15.74	14.30	1.15	0	1
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-1560	15.38	14.30	3.46	0	1
-1557	15.38	14.30	2.31	0	1
-1554	15.38	14.30	1.15	0	1
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-1548	15.02	14.30	3.46	0	1
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-1536	14.67	14.30	3.46	0	1
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-1524	16.45	14.30	4.23	0	1
-1521	14.31	14.30	3.46	0	1
-1518	16.45	14.30	3.08	0	1
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-1512	16.45	14.30	1.92	0	1
-1509	14.31	14.30	1.15	0	1
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-1497	6.55	14.30	2.57	0	1
-1494	6.55	14.30	1.47	0	1
-1491	6.55	14.30	0.37	0	1
-1488	6.87	14.30	2.20	0	1
-1485	6.87	14.30	1.10	0	1
-1482	7.20	14.30	2.93	0	1
-1479	7.20	14.30	1.83	0	1
-1476	7.20	14.30	0.73	0	1
-1473	7.52	14.30	2.57	0	1
-1470	7.52	14.30	1.47	0	1
-1467	7.52	14.30	0.37	0	1
-1464	7.84	14.30	2.57	0	1
-1461	6.23	14.30	2.20	0	1
-1458	7.84	14.30	1.47	0	1
-1455	6.23	14.30	1.10	0	1
-1452	7.84	14.30	0.37	0	1
-1449	6.55	14.30	4.32	0	1
-1446	6.87	14.30	4.66	0	1
-1443	6.87	14.30	3.64	0	1
-1440	7.20	14.30	3.98	0	1
-1437	7.52	14.30	4.32	0	1
-1434	7.84	14.30	4.66	0	1
-1431	6.23	14.30	4.32	0	1
-1428	7.84	14.30	3.64	0	1
-1425	6.55	14.30	3.30	0	1
-1422	7.20	14.30	5.00	0	1
-1419	7.52	14.30	3.30	0	1
-1416	8.71	14.57	-0.75	0	1
-1413	9.20	14.83	-0.75	0	1
-1410	9.85	14.57	-0.75	0	1
-1407	10.34	14.83	-0.75	0	1
-1404	10.99	14.57	-0.75	0	1
-1401	11.48	14.83	-0.75	0	1
-1398	12.13	14.57	-0.75	0	1
-1395	12.62	14.83	-0.75	0	1
-1392	13.27	14.57	-0.75	0	1
-1389	13.76	14.83	-0.75	0	1
-1386	8.54	15.10	-0.75	0	1
-1383	9.68	15.10	-0.75	0	1
-1380	10.82	15.10	-0.75	0	1
-1377	11.97	15.10	-0.75	0	1
-1374	13.11	15.10	-0.75	0	1
-1371	14.25	15.10	-0.75	0	1
-1368	15.12	14.57	-0.75	0	1
-1365	15.55	14.83	-0.75	0	1
-1362	16.17	14.57	-0.75	0	1
-1359	16.58	14.83	-0.75	0	1
-1356	16.87	14.83	-0.75	0	1
-1353	15.30	15.10	-0.75	0	1
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-1347	6.24	14.83	-0.75	0	1
-1344	6.69	14.57	-0.75	0	1
-1341	7.13	14.83	-0.75	0	1
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-1335	5.85	14.57	-0.75	0	1
-1332	6.36	15.10	-0.75	0	1

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-1559	15.38	14.30	3.08	0	1
-1556	15.38	14.30	1.92	0	1
-1553	15.38	14.30	0.77	0	1
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-1547	15.02	14.30	3.08	0	1
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-1541	15.02	14.30	0.77	0	1
-1538	14.67	14.30	4.23	0	1
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-1532	14.67	14.30	1.92	0	1
-1529	14.67	14.30	0.77	0	1
-1526	16.45	14.30	4.62	0	1
-1523	14.31	14.30	3.85	0	1
-1520	16.45	14.30	3.46	0	1
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-1511	14.31	14.30	1.54	0	1
-1508	16.45	14.30	1.15	0	1
-1505	14.31	14.30	0.38	0	1
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-1487	6.87	14.30	1.83	0	1
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-1478	7.20	14.30	1.47	0	1
-1475	7.20	14.30	0.37	0	1
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-1469	7.52	14.30	1.10	0	1
-1466	7.84	14.30	2.93	0	1
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-1460	7.84	14.30	1.83	0	1
-1457	6.23	14.30	1.47	0	1
-1454	7.84	14.30	0.73	0	1
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-1448	6.55	14.30	3.98	0	1
-1445	6.87	14.30	4.32	0	1
-1442	7.20	14.30	4.66	0	1
-1439	7.20	14.30	3.64	0	1
-1436	7.52	14.30	3.98	0	1
-1433	6.23	14.30	4.66	0	1
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-1424	6.87	14.30	5.00	0	1
-1421	7.20	14.30	3.30	0	1
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-1415	8.81	14.83	-0.75	0	1
-1412	9.47	14.57	-0.75	0	1
-1409	9.96	14.83	-0.75	0	1
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-1403	11.10	14.83	-0.75	0	1
-1400	11.75	14.57	-0.75	0	1
-1397	12.24	14.83	-0.75	0	1
-1394	12.89	14.57	-0.75	0	1
-1391	13.38	14.83	-0.75	0	1
-1388	14.04	14.57	-0.75	0	1
-1385	8.92	15.10	-0.75	0	1
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-1379	11.20	15.10	-0.75	0	1
-1376	12.35	15.10	-0.75	0	1
-1373	13.49	15.10	-0.75	0	1
-1370	14.77	14.57	-0.75	0	1
-1367	15.21	14.83	-0.75	0	1
-1364	15.82	14.57	-0.75	0	1
-1361	16.24	14.83	-0.75	0	1
-1358	16.77	14.57	-0.75	0	1
-1355	14.52	14.83	-0.75	0	1
-1352	15.64	15.10	-0.75	0	1
-1349	16.64	15.10	-0.75	0	1
-1346	6.37	14.57	-0.75	0	1
-1343	6.82	14.83	-0.75	0	1
-1340	7.32	14.57	-0.75	0	1
-1337	7.75	14.83	-0.75	0	1
-1334	8.05	14.83	-0.75	0	1
-1331	6.66	15.10	-0.75	0	1

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-1561	15.38	14.30	3.85	0	1
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-1534	14.67	14.30	2.69	0	1
-1531	14.67	14.30	1.54	0	1
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-1525	14.31	14.30	4.23	0	1
-1522	16.45	14.30	3.85	0	1
-1519	14.31	14.30	3.08	0	1
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-1513	14.31	14.30	1.92	0	1
-1510	16.45	14.30	1.54	0	1
-1507	14.31	14.30	0.77	0	1
-1504	16.45	14.30	0.38	0	1
-1501	15.38	14.30	5.00	0	1
-1498	6.55	14.30	2.93	0	1
-1495	6.55	14.30	1.83	0	1
-1492	6.55	14.30	0.73	0	1
-1489	6.87	14.30	2.57	0	1
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-1477	7.20	14.30	1.10	0	1
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-1468	7.52	14.30	0.73	0	1
-1465	6.23	14.30	2.93	0	1
-1462	7.84	14.30	2.20	0	1
-1459	6.23	14.30	1.83	0	1
-1456	7.84	14.30	1.10	0	1
-1453	6.23	14.30	0.73	0	1
-1450	6.55	14.30	4.66	0	1
-1447	6.55	14.30	3.64	0	1
-1444	6.87	14.30	3.98	0	1
-1441	7.20	14.30	4.32	0	1
-1438	7.52	14.30	4.66	0	1
-1435	7.52	14.30	3.64	0	1
-1432	7.84	14.30	4.32	0	1
-1429	6.23	14.30	3.98	0	1
-1426	6.55	14.30	5.00	0	1
-1423	6.87	14.30	3.30	0	1
-1420	7.52	14.30	5.00	0	1
-1417	8.43	14.83	-0.75	0	1
-1414	9.09	14.57	-0.75	0	1
-1411	9.58	14.83	-0.75	0	1
-1408	10.23	14.57	-0.75	0	1
-1405	10.72	14.83	-0.75	0	1
-1402	11.37	14.57	-0.75	0	1
-1399	11.86	14.83	-0.75	0	1
-1396	12.51	14.57	-0.75	0	1
-1393	13.00	14.83	-0.75	0	1
-1390	13.66	14.57	-0.75	0	1
-1387	14.14	14.83	-0.75	0	1
-1384	9.30	15.10	-0.75	0	1
-1381	10.44	15.10	-0.75	0	1
-1378	11.59	15.10	-0.75	0	1
-1375	12.73	15.10	-0.75	0	1
-1372	13.87	15.10	-0.75	0	1
-1369	14.87	14.83	-0.75	0	1
-1366	15.47	14.57	-0.75	0	1
-1363	15.89	14.83	-0.75	0	1
-1360	16.51	14.57	-0.75	0	1
-1357	14.42	14.57	-0.75	0	1
-1354	14.97	15.10	-0.75	0	1
-1351	15.97	15.10	-0.75	0	1
-1348	6.11	14.57	-0.75	0	1
-1345	6.52	14.83	-0.75	0	1
-1342	7.00	14.57	-0.75	0	1
-1339	7.44	14.83	-0.75	0	1
-1336	7.95	14.57	-0.75	0	1
-1333	5.95	14.83	-0.75	0	1
-1330	6.96	15.10	-0.75	0	1

-1329	7.26	15.10	-0.75	0	1
-1326	0.69	1.11	-0.75	0	1
-1323	1.12	2.18	-0.75	0	1
-1320	1.55	3.25	-0.75	0	1
-1317	1.98	4.32	-0.75	0	1
-1314	2.41	5.39	-0.75	0	1
-1311	2.84	6.46	-0.75	0	1
-1308	3.26	7.52	-0.75	0	1
-1305	3.69	8.59	-0.75	0	1
-1302	4.12	9.66	-0.75	0	1
-1299	4.55	10.73	-0.75	0	1
-1296	4.98	11.80	-0.75	0	1
-1293	5.41	12.87	-0.75	0	1
-1290	5.84	13.94	-0.75	0	1
-1287	1.22	1.83	-0.75	0	1
-1284	1.65	2.89	-0.75	0	1
-1281	2.08	3.96	-0.75	0	1
-1278	2.51	5.03	-0.75	0	1
-1275	2.94	6.10	-0.75	0	1
-1272	3.37	7.17	-0.75	0	1
-1269	3.80	8.24	-0.75	0	1
-1266	4.23	9.31	-0.75	0	1
-1263	4.66	10.38	-0.75	0	1
-1260	5.09	11.45	-0.75	0	1
-1257	5.51	12.52	-0.75	0	1
-1254	5.94	13.59	-0.75	0	1
-1251	1.41	1.48	-0.75	0	1
-1248	1.83	2.55	-0.75	0	1
-1244	2.41	3.97	-0.75	0	1
-1241	2.83	5.04	-0.75	0	1
-1237	3.41	6.46	-0.75	0	1
-1234	3.84	7.53	-0.75	0	1
-1231	4.26	8.60	-0.75	0	1
-1227	4.84	10.03	-0.75	0	1
-1224	5.27	11.09	-0.75	0	1
-1220	5.84	12.52	-0.75	0	1
-1217	6.27	13.59	-0.75	0	1
-1214	1.73	1.49	-0.75	0	1
-1211	2.16	2.55	-0.75	0	1
-1208	2.59	3.62	-0.75	0	1
-1205	3.02	4.69	-0.75	0	1
-1202	3.45	5.76	-0.75	0	1
-1199	3.87	6.83	-0.75	0	1
-1196	4.30	7.89	-0.75	0	1
-1193	4.73	8.96	-0.75	0	1
-1190	5.16	10.03	-0.75	0	1
-1187	5.59	11.10	-0.75	0	1
-1184	6.02	12.16	-0.75	0	1
-1181	6.45	13.23	-0.75	0	1
-1178	1.92	1.14	-0.75	0	1
-1175	2.34	2.21	-0.75	0	1
-1172	2.77	3.27	-0.75	0	1
-1169	3.20	4.34	-0.75	0	1
-1166	3.63	5.41	-0.75	0	1
-1163	4.06	6.47	-0.75	0	1
-1160	4.48	7.54	-0.75	0	1
-1157	4.91	8.61	-0.75	0	1
-1154	5.34	9.68	-0.75	0	1
-1151	5.77	10.74	-0.75	0	1
-1148	6.20	11.81	-0.75	0	1
-1145	6.63	12.88	-0.75	0	1
-1142	7.05	13.94	-0.75	0	1
-1139	2.52	1.86	-0.75	0	1
-1136	2.95	2.92	-0.75	0	1
-1133	3.38	3.99	-0.75	0	1
-1130	3.81	5.06	-0.75	0	1
-1127	4.24	6.12	-0.75	0	1
-1124	4.66	7.19	-0.75	0	1
-1121	5.09	8.26	-0.75	0	1
-1118	5.52	9.32	-0.75	0	1
-1115	5.95	10.39	-0.75	0	1
-1112	6.38	11.46	-0.75	0	1
-1109	6.80	12.52	-0.75	0	1
-1106	7.23	13.59	-0.75	0	1
-1103	0.73	1.81	-0.75	0	1
-1100	1.16	2.88	-0.75	0	1
-1097	1.59	3.95	-0.75	0	1
-1094	2.02	5.02	-0.75	0	1
-1091	2.45	6.09	-0.75	0	1

-1328	7.56	15.10	-0.75	0	1
-1325	0.83	1.46	-0.75	0	1
-1322	1.26	2.53	-0.75	0	1
-1319	1.69	3.60	-0.75	0	1
-1316	2.12	4.67	-0.75	0	1
-1313	2.55	5.74	-0.75	0	1
-1310	2.98	6.81	-0.75	0	1
-1307	3.41	7.88	-0.75	0	1
-1304	3.84	8.95	-0.75	0	1
-1301	4.27	10.02	-0.75	0	1
-1298	4.70	11.09	-0.75	0	1
-1295	5.13	12.16	-0.75	0	1
-1292	5.56	13.23	-0.75	0	1
-1289	0.94	1.11	-0.75	0	1
-1286	1.36	2.18	-0.75	0	1
-1283	1.79	3.25	-0.75	0	1
-1280	2.22	4.32	-0.75	0	1
-1277	2.65	5.39	-0.75	0	1
-1274	3.08	6.46	-0.75	0	1
-1271	3.51	7.53	-0.75	0	1
-1268	3.94	8.60	-0.75	0	1
-1265	4.37	9.67	-0.75	0	1
-1262	4.80	10.74	-0.75	0	1
-1259	5.23	11.81	-0.75	0	1
-1256	5.66	12.87	-0.75	0	1
-1253	6.09	13.94	-0.75	0	1
-1250	1.55	1.83	-0.75	0	1
-1247	1.98	2.90	-0.75	0	1
-1243	2.55	4.33	-0.75	0	1
-1240	2.98	5.40	-0.75	0	1
-1236	3.55	6.82	-0.75	0	1
-1233	3.98	7.89	-0.75	0	1
-1229	4.55	9.31	-0.75	0	1
-1226	4.98	10.38	-0.75	0	1
-1222	5.55	11.81	-0.75	0	1
-1219	5.98	12.88	-0.75	0	1
-1216	6.41	13.94	-0.75	0	1
-1213	1.87	1.84	-0.75	0	1
-1210	2.30	2.91	-0.75	0	1
-1207	2.73	3.98	-0.75	0	1
-1204	3.16	5.05	-0.75	0	1
-1201	3.59	6.11	-0.75	0	1
-1198	4.02	7.18	-0.75	0	1
-1195	4.45	8.25	-0.75	0	1
-1192	4.87	9.32	-0.75	0	1
-1189	5.30	10.38	-0.75	0	1
-1186	5.73	11.45	-0.75	0	1
-1183	6.16	12.52	-0.75	0	1
-1180	6.59	13.59	-0.75	0	1
-1177	2.06	1.49	-0.75	0	1
-1174	2.49	2.56	-0.75	0	1
-1171	2.91	3.63	-0.75	0	1
-1168	3.34	4.70	-0.75	0	1
-1165	3.77	5.76	-0.75	0	1
-1162	4.20	6.83	-0.75	0	1
-1159	4.63	7.90	-0.75	0	1
-1156	5.06	8.96	-0.75	0	1
-1153	5.48	10.03	-0.75	0	1
-1150	5.91	11.10	-0.75	0	1
-1147	6.34	12.17	-0.75	0	1
-1144	6.77	13.23	-0.75	0	1
-1141	2.24	1.15	-0.75	0	1
-1138	2.67	2.21	-0.75	0	1
-1135	3.10	3.28	-0.75	0	1
-1132	3.52	4.35	-0.75	0	1
-1129	3.95	5.41	-0.75	0	1
-1126	4.38	6.48	-0.75	0	1
-1123	4.81	7.55	-0.75	0	1
-1120	5.24	8.61	-0.75	0	1
-1117	5.66	9.68	-0.75	0	1
-1114	6.09	10.75	-0.75	0	1
-1111	6.52	11.81	-0.75	0	1
-1108	6.95	12.88	-0.75	0	1
-1105	7.38	13.94	-0.75	0	1
-1102	0.87	2.17	-0.75	0	1
-1099	1.30	3.24	-0.75	0	1
-1096	1.73	4.31	-0.75	0	1
-1093	2.16	5.38	-0.75	0	1
-1090	2.59	6.45	-0.75	0	1

-1327	7.86	15.10	-0.75	0	1
-1324	0.97	1.82	-0.75	0	1
-1321	1.40	2.89	-0.75	0	1
-1318	1.83	3.96	-0.75	0	1
-1315	2.26	5.03	-0.75	0	1
-1312	2.69	6.10	-0.75	0	1
-1309	3.12	7.17	-0.75	0	1
-1306	3.55	8.24	-0.75	0	1
-1303	3.98	9.31	-0.75	0	1
-1300	4.41	10.38	-0.75	0	1
-1297	4.84	11.45	-0.75	0	1
-1294	5.27	12.52	-0.75	0	1
-1291	5.70	13.59	-0.75	0	1
-1288	1.08	1.47	-0.75	0	1
-1285	1.51	2.54	-0.75	0	1
-1282	1.94	3.61	-0.75	0	1
-1279	2.37	4.68	-0.75	0	1
-1276	2.80	5.75	-0.75	0	1
-1273	3.23	6.82	-0.75	0	1
-1270	3.65	7.88	-0.75	0	1
-1267	4.08	8.95	-0.75	0	1
-1264	4.51	10.02	-0.75	0	1
-1261	4.94	11.09	-0.75	0	1
-1258	5.37	12.16	-0.75	0	1
-1255	5.80	13.23	-0.75	0	1
-1252	1.26	1.12	-0.75	0	1
-1249	1.69	2.19	-0.75	0	1
-1246	2.12	3.26	-0.75	0	1
-1242	2.69	4.68	-0.75	0	1
-1239	3.12	5.75	-0.75	0	1
-1235	3.69	7.18	-0.75	0	1
-1232	4.12	8.24	-0.75	0	1
-1228	4.69	9.67	-0.75	0	1
-1225	5.12	10.74	-0.75	0	1
-1221	5.69	12.16	-0.75	0	1
-1218	6.12	13.23	-0.75	0	1
-1215	1.59	1.13	-0.75	0	1
-1212	2.02	2.20	-0.75	0	1
-1209	2.45	3.27	-0.75	0	1
-1206	2.87	4.33	-0.75	0	1
-1203	3.30	5.40	-0.75	0	1
-1200	3.73	6.47	-0.75	0	1
-1197	4.16	7.54	-0.75	0	1
-1194	4.59	8.60	-0.75	0	1
-1191	5.02	9.67	-0.75	0	1
-1188	5.45	10.74	-0.75	0	1
-1185	5.87	11.81	-0.75	0	1
-1182	6.30	12.88	-0.75	0	1
-1179	6.73	13.94	-0.75	0	1
-1176	2.20	1.85	-0.75	0	1
-1173	2.63	2.92	-0.75	0	1
-1170	3.06	3.98	-0.75	0	1
-1167	3.49	5.05	-0.75	0	1
-1164	3.91	6.12	-0.75	0	1
-1161	4.34	7.19	-0.75	0	1
-1158	4.77	8.25	-0.75	0	1
-1155	5.20	9.32	-0.75	0	1
-1152	5.63	10.39	-0.75	0	1
-1149	6.05	11.45	-0.75	0	1
-1146	6.48	12.52	-0.75	0	1
-1143	6.91	13.59	-0.75	0	1
-1140	2.38	1.50	-0.75	0	1
-1137	2.81	2.57	-0.75	0	1
-1134	3.24	3.64	-0.75	0	1
-1131	3.67	4.70	-0.75	0	1
-1128	4.09	5.77	-0.75	0	1
-1125	4.52	6.83	-0.75	0	1
-1122	4.95	7.90	-0.75	0	1
-1119	5.38	8.97	-0.75	0	1
-1116	5.81	10.03	-0.75	0	1
-1113	6.23	11.10	-0.75	0	1
-1110	6.66	12.17	-0.75	0	1
-1107	7.09	13.23	-0.75	0	1
-1104	0.58	1.46	-0.75	0	1
-1101	1.01	2.53	-0.75	0	1
-1098	1.44	3.60	-0.75	0	1
-1095	1.87	4.67	-0.75	0	1
-1092	2.30	5.74	-0.75	0	1
-1089	2.73	6.81	-0.75	0	1

-1088	2.88	7.16	-0.75	0	1
-1085	3.30	8.24	-0.75	0	1
-1082	3.73	9.31	-0.75	0	1
-1079	4.16	10.38	-0.75	0	1
-1076	4.59	11.45	-0.75	0	1
-1073	5.02	12.52	-0.75	0	1
-1070	5.45	13.59	-0.75	0	1
-1066	6.87	14.30	-0.75	0	1
-1063	1.90	0.27	-0.75	0	1
-1060	0.98	0.27	-0.75	0	1
-1057	2.00	0.53	-0.75	0	1
-1054	1.06	0.53	-0.75	0	1
-1051	2.10	0.80	-0.75	0	1
-1048	1.46	0.80	-0.75	0	1
-1044	0.60	0.00	-0.75	0	1
-1041	0.11	0.27	-0.75	0	1
-1038	8.30	0.27	-0.75	0	1
-1035	7.64	0.53	-0.75	0	1
-1032	7.15	0.27	-0.75	0	1
-1029	6.50	0.53	-0.75	0	1
-1026	6.01	0.27	-0.75	0	1
-1023	5.36	0.53	-0.75	0	1
-1020	4.87	0.27	-0.75	0	1
-1017	4.22	0.53	-0.75	0	1
-1014	3.73	0.27	-0.75	0	1
-1011	3.07	0.53	-0.75	0	1
-1008	2.59	0.27	-0.75	0	1
-1005	8.19	0.00	-0.75	0	1
-1002	7.05	0.00	-0.75	0	1
-999	5.91	0.00	-0.75	0	1
-996	4.76	0.00	-0.75	0	1
-993	3.62	0.00	-0.75	0	1
-990	2.48	0.00	-0.75	0	1
-987	10.50	0.53	-0.75	0	1
-984	10.04	0.27	-0.75	0	1
-981	9.47	0.53	-0.75	0	1
-978	9.02	0.27	-0.75	0	1
-975	8.68	0.27	-0.75	0	1
-972	10.25	0.00	-0.75	0	1
-969	9.24	0.00	-0.75	0	1
-966	14.91	14.02	-0.75	0	1
-963	15.96	13.97	-0.75	0	1
-960	14.80	13.74	-0.75	0	1
-957	15.83	13.64	-0.75	0	1
-954	14.65	13.38	-0.75	0	1
-951	15.68	13.28	-0.75	0	1
-948	14.51	13.02	-0.75	0	1
-945	15.54	12.93	-0.75	0	1
-942	14.36	12.66	-0.75	0	1
-939	15.39	12.57	-0.75	0	1
-936	14.22	12.30	-0.75	0	1
-933	15.25	12.21	-0.75	0	1
-930	14.07	11.94	-0.75	0	1
-927	15.11	11.86	-0.75	0	1
-924	13.93	11.58	-0.75	0	1
-920	15.31	11.47	-0.75	0	1
-917	14.13	11.20	-0.75	0	1
-914	15.16	11.12	-0.75	0	1
-911	13.98	10.84	-0.75	0	1
-908	15.02	10.76	-0.75	0	1
-905	13.84	10.48	-0.75	0	1
-902	14.87	10.41	-0.75	0	1
-899	13.69	10.12	-0.75	0	1
-896	14.73	10.05	-0.75	0	1
-893	13.55	9.76	-0.75	0	1
-890	14.58	9.70	-0.75	0	1
-887	13.40	9.40	-0.75	0	1
-884	14.44	9.34	-0.75	0	1
-881	13.26	9.04	-0.75	0	1
-877	12.43	8.73	-0.75	0	1
-874	13.46	8.67	-0.75	0	1
-871	12.28	8.36	-0.75	0	1
-868	13.32	8.31	-0.75	0	1
-865	12.14	8.00	-0.75	0	1
-862	13.17	7.95	-0.75	0	1
-859	11.99	7.64	-0.75	0	1
-856	13.03	7.59	-0.75	0	1
-853	11.85	7.28	-0.75	0	1
-850	12.88	7.24	-0.75	0	1

-1087	3.02	7.52	-0.75	0	1
-1084	3.45	8.59	-0.75	0	1
-1081	3.88	9.66	-0.75	0	1
-1078	4.31	10.73	-0.75	0	1
-1075	4.74	11.80	-0.75	0	1
-1072	5.17	12.87	-0.75	0	1
-1069	5.60	13.94	-0.75	0	1
-1065	7.20	14.30	-0.75	0	1
-1062	1.59	0.27	-0.75	0	1
-1059	0.67	0.27	-0.75	0	1
-1056	1.69	0.53	-0.75	0	1
-1053	0.74	0.53	-0.75	0	1
-1050	1.80	0.00	-0.75	0	1
-1047	1.20	0.00	-0.75	0	1
-1043	0.56	0.80	-0.75	0	1
-1040	0.21	0.53	-0.75	0	1
-1037	8.02	0.53	-0.75	0	1
-1034	7.53	0.27	-0.75	0	1
-1031	6.88	0.53	-0.75	0	1
-1028	6.39	0.27	-0.75	0	1
-1025	5.74	0.53	-0.75	0	1
-1022	5.25	0.27	-0.75	0	1
-1019	4.60	0.53	-0.75	0	1
-1016	4.11	0.27	-0.75	0	1
-1013	3.46	0.53	-0.75	0	1
-1010	2.97	0.27	-0.75	0	1
-1007	2.31	0.53	-0.75	0	1
-1004	7.81	0.00	-0.75	0	1
-1001	6.67	0.00	-0.75	0	1
-998	5.53	0.00	-0.75	0	1
-995	4.38	0.00	-0.75	0	1
-992	3.24	0.00	-0.75	0	1
-989	10.85	0.53	-0.75	0	1
-986	10.38	0.27	-0.75	0	1
-983	9.82	0.53	-0.75	0	1
-980	9.36	0.27	-0.75	0	1
-977	8.78	0.53	-0.75	0	1
-974	11.03	0.27	-0.75	0	1
-971	9.91	0.00	-0.75	0	1
-968	8.91	0.00	-0.75	0	1
-965	15.26	14.00	-0.75	0	1
-962	16.31	13.95	-0.75	0	1
-959	15.14	13.70	-0.75	0	1
-956	16.17	13.61	-0.75	0	1
-953	15.00	13.35	-0.75	0	1
-950	16.03	13.25	-0.75	0	1
-947	14.85	12.99	-0.75	0	1
-944	15.88	12.90	-0.75	0	1
-941	14.71	12.63	-0.75	0	1
-938	15.74	12.54	-0.75	0	1
-935	14.56	12.27	-0.75	0	1
-932	15.59	12.19	-0.75	0	1
-929	14.42	11.91	-0.75	0	1
-926	15.45	11.83	-0.75	0	1
-923	14.27	11.55	-0.75	0	1
-919	13.44	11.25	-0.75	0	1
-916	14.47	11.17	-0.75	0	1
-913	13.29	10.89	-0.75	0	1
-910	14.33	10.81	-0.75	0	1
-907	13.15	10.53	-0.75	0	1
-904	14.18	10.45	-0.75	0	1
-901	13.00	10.17	-0.75	0	1
-898	14.04	10.10	-0.75	0	1
-895	12.86	9.81	-0.75	0	1
-892	13.89	9.74	-0.75	0	1
-889	12.71	9.45	-0.75	0	1
-886	13.75	9.38	-0.75	0	1
-883	12.57	9.09	-0.75	0	1
-879	13.95	9.00	-0.75	0	1
-876	12.77	8.71	-0.75	0	1
-873	13.81	8.65	-0.75	0	1
-870	12.63	8.35	-0.75	0	1
-867	13.66	8.29	-0.75	0	1
-864	12.48	7.99	-0.75	0	1
-861	13.52	7.93	-0.75	0	1
-858	12.34	7.63	-0.75	0	1
-855	13.37	7.58	-0.75	0	1
-852	12.19	7.27	-0.75	0	1
-849	13.23	7.22	-0.75	0	1

-1086	3.16	7.88	-0.75	0	1
-1083	3.59	8.95	-0.75	0	1
-1080	4.02	10.02	-0.75	0	1
-1077	4.45	11.09	-0.75	0	1
-1074	4.88	12.16	-0.75	0	1
-1071	5.31	13.23	-0.75	0	1
-1068	5.99	14.30	-0.75	0	1
-1064	7.52	14.30	-0.75	0	1
-1061	1.29	0.27	-0.75	0	1
-1058	0.39	0.27	-0.75	0	1
-1055	1.37	0.53	-0.75	0	1
-1052	0.48	0.53	-0.75	0	1
-1049	1.50	0.00	-0.75	0	1
-1045	0.90	0.00	-0.75	0	1
-1042	0.30	0.00	-0.75	0	1
-1039	8.40	0.53	-0.75	0	1
-1036	7.92	0.27	-0.75	0	1
-1033	7.26	0.53	-0.75	0	1
-1030	6.77	0.27	-0.75	0	1
-1027	6.12	0.53	-0.75	0	1
-1024	5.63	0.27	-0.75	0	1
-1021	4.98	0.53	-0.75	0	1
-1018	4.49	0.27	-0.75	0	1
-1015	3.84	0.53	-0.75	0	1
-1012	3.35	0.27	-0.75	0	1
-1009	2.69	0.53	-0.75	0	1
-1006	2.21	0.27	-0.75	0	1
-1003	7.43	0.00	-0.75	0	1
-1000	6.29	0.00	-0.75	0	1
-997	5.14	0.00	-0.75	0	1
-994	4.00	0.00	-0.75	0	1
-991	2.86	0.00	-0.75	0	1
-988	10.72	0.27	-0.75	0	1
-985	10.16	0.53	-0.75	0	1
-982	9.70	0.27	-0.75	0	1
-979	9.13	0.53	-0.75	0	1
-976	11.13	0.53	-0.75	0	1
-973	10.58	0.00	-0.75	0	1
-970	9.58	0.00	-0.75	0	1
-967	14.56	14.03	-0.75	0	1
-964	15.61	13.99	-0.75	0	1
-961	14.45	13.77	-0.75	0	1
-958	15.48	13.67	-0.75	0	1
-955	14.31	13.41	-0.75	0	1
-952	15.34	13.31	-0.75	0	1
-949	14.16	13.05	-0.75	0	1
-946	15.19	12.96	-0.75	0	1
-943	14.02	12.69	-0.75	0	1
-940	15.05	12.60	-0.75	0	1
-937	13.87	12.33	-0.75	0	1
-934	14.91	12.24	-0.75	0	1
-931	13.73	11.97	-0.75	0	1
-928	14.76	11.88	-0.75	0	1
-925	13.58	11.61	-0.75	0	1
-921	14.96	11.50	-0.75	0	1
-918	13.78	11.22	-0.75	0	1
-915	14.82	11.14	-0.75	0	1
-912	13.64	10.86	-0.75	0	1
-909	14.67	10.79	-0.75	0	1
-906	13.49	10.50	-0.75	0	1
-903	14.53	10.43	-0.75	0	1
-900	13.35	10.14	-0.75	0	1
-897	14.38	10.07	-0.75	0	1
-894	13.20	9.78	-0.75	0	1
-891	14.24	9.72	-0.75	0	1
-888	13.06	9.42	-0.75	0	1
-885	14.10	9.36	-0.75	0	1
-882	12.92	9.07	-0.75	0	1
-878	14.30	8.98	-0.75	0	1
-875	13.12	8.69	-0.75	0	1
-872	14.15	8.63	-0.75	0	1
-869	12.97	8.33	-0.75	0	1
-866	14.01	8.27	-0.75	0	1
-863	12.83	7.97	-0.75	0	1
-860	13.86	7.92	-0.75	0	1
-857	12.68	7.61	-0.75	0	1
-854	13.72	7.56	-0.75	0	1
-851	12.54	7.25	-0.75	0	1
-848	13.58	7.21	-0.75	0	1

-847	11.70	6.92	-0.75	0	1
-844	12.74	6.88	-0.75	0	1
-841	11.56	6.56	-0.75	0	1
-838	12.59	6.52	-0.75	0	1
-835	11.41	6.20	-0.75	0	1
-831	12.80	6.15	-0.75	0	1
-828	11.61	5.83	-0.75	0	1
-825	12.65	5.79	-0.75	0	1
-822	11.47	5.47	-0.75	0	1
-819	12.51	5.44	-0.75	0	1
-816	11.32	5.11	-0.75	0	1
-813	12.36	5.08	-0.75	0	1
-810	11.18	4.75	-0.75	0	1
-807	12.22	4.72	-0.75	0	1
-804	11.03	4.39	-0.75	0	1
-801	12.07	4.37	-0.75	0	1
-798	10.89	4.03	-0.75	0	1
-795	11.93	4.01	-0.75	0	1
-792	10.74	3.67	-0.75	0	1
-788	12.13	3.65	-0.75	0	1
-785	10.95	3.31	-0.75	0	1
-782	11.99	3.29	-0.75	0	1
-779	10.80	2.95	-0.75	0	1
-776	11.85	2.94	-0.75	0	1
-773	10.66	2.59	-0.75	0	1
-770	11.70	2.58	-0.75	0	1
-767	10.51	2.23	-0.75	0	1
-764	11.56	2.22	-0.75	0	1
-761	10.37	1.88	-0.75	0	1
-758	11.41	1.87	-0.75	0	1
-755	10.22	1.52	-0.75	0	1
-752	11.27	1.51	-0.75	0	1
-749	10.08	1.16	-0.75	0	1
-746	11.12	1.16	-0.75	0	1
-743	9.59	0.80	-0.75	0	1
-740	15.38	14.30	-0.75	0	1
-735	16.52	13.94	-0.75	0	1
-732	16.09	12.88	-0.75	0	1
-729	15.66	11.81	-0.75	0	1
-726	15.23	10.75	-0.75	0	1
-723	14.81	9.68	-0.75	0	1
-720	14.38	8.62	-0.75	0	1
-717	13.95	7.55	-0.75	0	1
-714	13.52	6.48	-0.75	0	1
-711	13.09	5.42	-0.75	0	1
-708	12.67	4.35	-0.75	0	1
-705	12.24	3.29	-0.75	0	1
-702	11.81	2.22	-0.75	0	1
-699	11.38	1.16	-0.75	0	1
-696	13.58	13.43	-0.75	0	1
-693	13.14	12.34	-0.75	0	1
-690	12.71	11.26	-0.75	0	1
-687	12.28	10.18	-0.75	0	1
-684	11.84	9.10	-0.75	0	1
-681	11.41	8.02	-0.75	0	1
-678	10.97	6.93	-0.75	0	1
-675	10.54	5.85	-0.75	0	1
-672	10.10	4.77	-0.75	0	1
-669	9.67	3.69	-0.75	0	1
-666	9.23	2.60	-0.75	0	1
-663	8.80	1.52	-0.75	0	1
-660	13.34	13.78	-0.75	0	1
-657	12.90	12.69	-0.75	0	1
-654	12.47	11.61	-0.75	0	1
-651	12.04	10.53	-0.75	0	1
-648	11.60	9.45	-0.75	0	1
-645	11.17	8.37	-0.75	0	1
-642	10.73	7.29	-0.75	0	1
-639	10.30	6.21	-0.75	0	1
-636	9.87	5.13	-0.75	0	1
-633	9.43	4.04	-0.75	0	1
-630	9.00	2.96	-0.75	0	1
-627	8.56	1.88	-0.75	0	1
-624	13.06	14.03	-0.75	0	1
-621	12.66	13.04	-0.75	0	1
-618	12.23	11.96	-0.75	0	1
-615	11.80	10.88	-0.75	0	1
-612	11.36	9.80	-0.75	0	1
-609	10.93	8.72	-0.75	0	1

-846	12.05	6.91	-0.75	0	1
-843	13.09	6.86	-0.75	0	1
-840	11.90	6.55	-0.75	0	1
-837	12.94	6.51	-0.75	0	1
-834	11.76	6.19	-0.75	0	1
-830	13.14	6.14	-0.75	0	1
-827	11.96	5.82	-0.75	0	1
-824	13.00	5.78	-0.75	0	1
-821	11.81	5.46	-0.75	0	1
-818	12.85	5.43	-0.75	0	1
-815	11.67	5.10	-0.75	0	1
-812	12.71	5.07	-0.75	0	1
-809	11.53	4.74	-0.75	0	1
-806	12.57	4.71	-0.75	0	1
-803	11.38	4.38	-0.75	0	1
-800	12.42	4.36	-0.75	0	1
-797	11.24	4.03	-0.75	0	1
-794	12.28	4.00	-0.75	0	1
-791	11.09	3.67	-0.75	0	1
-787	10.25	3.32	-0.75	0	1
-784	11.29	3.30	-0.75	0	1
-781	10.11	2.96	-0.75	0	1
-778	11.15	2.95	-0.75	0	1
-775	9.96	2.60	-0.75	0	1
-772	11.01	2.59	-0.75	0	1
-769	9.82	2.24	-0.75	0	1
-766	10.86	2.23	-0.75	0	1
-763	9.67	1.88	-0.75	0	1
-760	10.72	1.87	-0.75	0	1
-757	9.53	1.52	-0.75	0	1
-754	10.57	1.52	-0.75	0	1
-751	9.38	1.16	-0.75	0	1
-748	10.43	1.16	-0.75	0	1
-745	9.24	0.80	-0.75	0	1
-742	15.02	14.30	-0.75	0	1
-737	10.63	0.80	-0.75	0	1
-734	16.37	13.59	-0.75	0	1
-731	15.95	12.52	-0.75	0	1
-728	15.52	11.46	-0.75	0	1
-725	15.09	10.39	-0.75	0	1
-722	14.66	9.33	-0.75	0	1
-719	14.24	8.26	-0.75	0	1
-716	13.81	7.19	-0.75	0	1
-713	13.38	6.13	-0.75	0	1
-710	12.95	5.06	-0.75	0	1
-707	12.52	4.00	-0.75	0	1
-704	12.10	2.93	-0.75	0	1
-701	11.67	1.87	-0.75	0	1
-698	13.83	14.04	-0.75	0	1
-695	13.43	13.07	-0.75	0	1
-692	13.00	11.98	-0.75	0	1
-689	12.56	10.90	-0.75	0	1
-686	12.13	9.82	-0.75	0	1
-683	11.70	8.74	-0.75	0	1
-680	11.26	7.65	-0.75	0	1
-677	10.83	6.57	-0.75	0	1
-674	10.39	5.49	-0.75	0	1
-671	9.96	4.41	-0.75	0	1
-668	9.52	3.33	-0.75	0	1
-665	9.09	2.24	-0.75	0	1
-662	8.65	1.16	-0.75	0	1
-659	13.19	13.41	-0.75	0	1
-656	12.76	12.33	-0.75	0	1
-653	12.33	11.25	-0.75	0	1
-650	11.89	10.17	-0.75	0	1
-647	11.46	9.09	-0.75	0	1
-644	11.02	8.01	-0.75	0	1
-641	10.59	6.93	-0.75	0	1
-638	10.15	5.85	-0.75	0	1
-635	9.72	4.76	-0.75	0	1
-632	9.29	3.68	-0.75	0	1
-629	8.85	2.60	-0.75	0	1
-626	8.42	1.52	-0.75	0	1
-623	12.95	13.76	-0.75	0	1
-620	12.52	12.68	-0.75	0	1
-617	12.09	11.60	-0.75	0	1
-614	11.65	10.52	-0.75	0	1
-611	11.22	9.44	-0.75	0	1
-608	10.78	8.36	-0.75	0	1

-845	12.39	6.89	-0.75	0	1
-842	13.43	6.85	-0.75	0	1
-839	12.25	6.54	-0.75	0	1
-836	13.29	6.49	-0.75	0	1
-833	12.10	6.18	-0.75	0	1
-829	11.27	5.84	-0.75	0	1
-826	12.31	5.81	-0.75	0	1
-823	11.12	5.48	-0.75	0	1
-820	12.16	5.45	-0.75	0	1
-817	10.98	5.12	-0.75	0	1
-814	12.02	5.09	-0.75	0	1
-811	10.83	4.76	-0.75	0	1
-808	11.87	4.73	-0.75	0	1
-805	10.69	4.40	-0.75	0	1
-802	11.73	4.38	-0.75	0	1
-799	10.54	4.04	-0.75	0	1
-796	11.58	4.02	-0.75	0	1
-793	10.40	3.68	-0.75	0	1
-789	11.79	3.65	-0.75	0	1
-786	10.60	3.32	-0.75	0	1
-783	11.64	3.30	-0.75	0	1
-780	10.46	2.96	-0.75	0	1
-777	11.50	2.94	-0.75	0	1
-774	10.31	2.60	-0.75	0	1
-771	11.35	2.58	-0.75	0	1
-768	10.17	2.24	-0.75	0	1
-765	11.21	2.23	-0.75	0	1
-762	10.02	1.88	-0.75	0	1
-759	11.06	1.87	-0.75	0	1
-756	9.88	1.52	-0.75	0	1
-753	10.92	1.51	-0.75	0	1
-750	9.73	1.16	-0.75	0	1
-747	10.78	1.16	-0.75	0	1
-744	14.67	14.30	-0.75	0	1
-741	9.94	0.80	-0.75	0	1
-736	16.09	14.30	-0.75	0	1
-733	16.23	13.23	-0.75	0	1
-730	15.80	12.17	-0.75	0	1
-727	15.38	11.10	-0.75	0	1
-724	14.95	10.04	-0.75	0	1
-721	14.52	8.97	-0.75	0	1
-718	14.09	7.91	-0.75	0	1
-715	13.66	6.84	-0.75	0	1
-712	13.24	5.77	-0.75	0	1
-709	12.81	4.71	-0.75	0	1
-706	12.38	3.64	-0.75	0	1
-703	11.95	2.58	-0.75	0	1
-700	11.53	1.51	-0.75	0	1
-697	13.72	13.79	-0.75	0	1
-694	13.29	12.71	-0.75	0	1
-691	12.85	11.62	-0.75	0	1
-688	12.42	10.54	-0.75	0	1
-685	11.99	9.46	-0.75	0	1
-682	11.55	8.38	-0.75	0	1
-679	11.12	7.29	-0.75	0	1
-676	10.68	6.21	-0.75	0	1
-673	10.25	5.13	-0.75	0	1
-670	9.81	4.05	-0.75	0	1
-667	9.38	2.96	-0.75	0	1
-664	8.94	1.88	-0.75	0	1
-661	13.44	14.04	-0.75	0	1
-658	13.05	13.05	-0.75	0	1
-655	12.61	11.97	-0.75	0	1
-652	12.18	10.89	-0.75	0	1
-649	11.75	9.81	-0.75	0	1
-646	11.31	8.73	-0.75	0	1
-643	10.88	7.65	-0.75	0	1
-640	10.44	6.57	-0.75	0	1
-637	10.01	5.49	-0.75	0	1
-634	9.58	4.40	-0.75	0	1
-631	9.14	3.32	-0.75	0	1
-628	8.71	2.24	-0.75	0	1
-625	8.27	1.16	-0.75	0	1
-622	12.81	13.40	-0.75	0	1
-619	12.37	12.32	-0.75	0	1
-616	11.94	11.24	-0.75	0	1
-613	11.51	10.16	-0.75	0	1
-610	11.07	9.08	-0.75	0	1
-607	10.64	8.00	-0.75	0	1

-606	10.49	7.64	-0.75	0	1	-605	10.35	7.28	-0.75	0	1	-604	10.21	6.92	-0.75	0	1
-603	10.06	6.56	-0.75	0	1	-602	9.92	6.20	-0.75	0	1	-601	9.77	5.84	-0.75	0	1
-600	9.63	5.48	-0.75	0	1	-599	9.48	5.12	-0.75	0	1	-598	9.34	4.76	-0.75	0	1
-597	9.19	4.40	-0.75	0	1	-596	9.05	4.04	-0.75	0	1	-595	8.90	3.68	-0.75	0	1
-594	8.76	3.32	-0.75	0	1	-593	8.62	2.96	-0.75	0	1	-592	8.47	2.60	-0.75	0	1
-591	8.33	2.24	-0.75	0	1	-590	8.18	1.88	-0.75	0	1	-589	8.04	1.52	-0.75	0	1
-588	7.89	1.16	-0.75	0	1	-587	12.68	14.03	-0.75	0	1	-586	12.57	13.75	-0.75	0	1
-585	12.42	13.39	-0.75	0	1	-584	12.28	13.03	-0.75	0	1	-583	12.13	12.67	-0.75	0	1
-582	11.99	12.31	-0.75	0	1	-581	11.84	11.95	-0.75	0	1	-580	11.70	11.59	-0.75	0	1
-579	11.56	11.23	-0.75	0	1	-578	11.41	10.87	-0.75	0	1	-577	11.27	10.51	-0.75	0	1
-576	11.12	10.15	-0.75	0	1	-575	10.98	9.79	-0.75	0	1	-574	10.83	9.43	-0.75	0	1
-573	10.69	9.07	-0.75	0	1	-572	10.54	8.71	-0.75	0	1	-571	10.40	8.35	-0.75	0	1
-570	10.26	7.99	-0.75	0	1	-569	10.11	7.63	-0.75	0	1	-568	9.97	7.28	-0.75	0	1
-567	9.82	6.92	-0.75	0	1	-566	9.68	6.56	-0.75	0	1	-565	9.53	6.20	-0.75	0	1
-564	9.39	5.84	-0.75	0	1	-563	9.25	5.48	-0.75	0	1	-562	9.10	5.12	-0.75	0	1
-561	8.96	4.76	-0.75	0	1	-560	8.81	4.40	-0.75	0	1	-559	8.67	4.04	-0.75	0	1
-558	8.52	3.68	-0.75	0	1	-557	8.38	3.32	-0.75	0	1	-556	8.23	2.96	-0.75	0	1
-555	8.09	2.60	-0.75	0	1	-554	7.95	2.24	-0.75	0	1	-553	7.80	1.88	-0.75	0	1
-552	7.66	1.52	-0.75	0	1	-551	7.51	1.16	-0.75	0	1	-550	12.29	14.02	-0.75	0	1
-549	12.18	13.74	-0.75	0	1	-548	12.04	13.38	-0.75	0	1	-547	11.89	13.02	-0.75	0	1
-546	11.75	12.66	-0.75	0	1	-545	11.60	12.30	-0.75	0	1	-544	11.46	11.94	-0.75	0	1
-543	11.32	11.58	-0.75	0	1	-542	11.17	11.22	-0.75	0	1	-541	11.03	10.86	-0.75	0	1
-540	10.88	10.50	-0.75	0	1	-539	10.74	10.14	-0.75	0	1	-538	10.59	9.78	-0.75	0	1
-537	10.45	9.43	-0.75	0	1	-536	10.31	9.07	-0.75	0	1	-535	10.16	8.71	-0.75	0	1
-534	10.02	8.35	-0.75	0	1	-533	9.87	7.99	-0.75	0	1	-532	9.73	7.63	-0.75	0	1
-531	9.58	7.27	-0.75	0	1	-530	9.44	6.91	-0.75	0	1	-529	9.30	6.55	-0.75	0	1
-528	9.15	6.19	-0.75	0	1	-527	9.01	5.83	-0.75	0	1	-526	8.86	5.47	-0.75	0	1
-525	8.72	5.11	-0.75	0	1	-524	8.57	4.75	-0.75	0	1	-523	8.43	4.39	-0.75	0	1
-522	8.29	4.03	-0.75	0	1	-521	8.14	3.68	-0.75	0	1	-520	8.00	3.32	-0.75	0	1
-519	7.85	2.96	-0.75	0	1	-518	7.71	2.60	-0.75	0	1	-517	7.56	2.24	-0.75	0	1
-516	7.42	1.88	-0.75	0	1	-515	7.28	1.52	-0.75	0	1	-514	7.13	1.16	-0.75	0	1
-513	11.91	14.01	-0.75	0	1	-512	11.80	13.73	-0.75	0	1	-511	11.65	13.37	-0.75	0	1
-510	11.51	13.01	-0.75	0	1	-509	11.36	12.65	-0.75	0	1	-508	11.22	12.29	-0.75	0	1
-507	11.08	11.93	-0.75	0	1	-506	10.93	11.57	-0.75	0	1	-505	10.79	11.21	-0.75	0	1
-504	10.64	10.85	-0.75	0	1	-503	10.50	10.49	-0.75	0	1	-502	10.35	10.14	-0.75	0	1
-501	10.21	9.78	-0.75	0	1	-500	10.07	9.42	-0.75	0	1	-499	9.92	9.06	-0.75	0	1
-498	9.78	8.70	-0.75	0	1	-497	9.63	8.34	-0.75	0	1	-496	9.49	7.98	-0.75	0	1
-495	9.35	7.62	-0.75	0	1	-494	9.20	7.26	-0.75	0	1	-493	9.06	6.90	-0.75	0	1
-492	8.91	6.54	-0.75	0	1	-491	8.77	6.19	-0.75	0	1	-490	8.62	5.83	-0.75	0	1
-489	8.48	5.47	-0.75	0	1	-488	8.34	5.11	-0.75	0	1	-487	8.19	4.75	-0.75	0	1
-486	8.05	4.39	-0.75	0	1	-485	7.90	4.03	-0.75	0	1	-484	7.76	3.67	-0.75	0	1
-483	7.62	3.31	-0.75	0	1	-482	7.47	2.95	-0.75	0	1	-481	7.33	2.60	-0.75	0	1
-480	7.18	2.24	-0.75	0	1	-479	7.04	1.88	-0.75	0	1	-478	6.89	1.52	-0.75	0	1
-477	6.75	1.16	-0.75	0	1	-476	11.53	14.01	-0.75	0	1	-475	11.41	13.71	-0.75	0	1
-474	11.27	13.35	-0.75	0	1	-473	11.12	13.00	-0.75	0	1	-472	10.98	12.64	-0.75	0	1
-471	10.83	12.28	-0.75	0	1	-470	10.69	11.92	-0.75	0	1	-469	10.55	11.56	-0.75	0	1
-468	10.40	11.20	-0.75	0	1	-467	10.26	10.84	-0.75	0	1	-466	10.11	10.48	-0.75	0	1
-465	9.97	10.13	-0.75	0	1	-464	9.83	9.77	-0.75	0	1	-463	9.68	9.41	-0.75	0	1
-462	9.54	9.05	-0.75	0	1	-461	9.39	8.69	-0.75	0	1	-460	9.25	8.33	-0.75	0	1
-459	9.11	7.97	-0.75	0	1	-458	8.96	7.62	-0.75	0	1	-457	8.82	7.26	-0.75	0	1
-456	8.67	6.90	-0.75	0	1	-455	8.53	6.54	-0.75	0	1	-454	8.39	6.18	-0.75	0	1
-453	8.24	5.82	-0.75	0	1	-452	8.10	5.46	-0.75	0	1	-451	7.95	5.10	-0.75	0	1
-450	7.81	4.75	-0.75	0	1	-449	7.67	4.39	-0.75	0	1	-448	7.52	4.03	-0.75	0	1
-447	7.38	3.67	-0.75	0	1	-446	7.23	3.31	-0.75	0	1	-445	7.09	2.95	-0.75	0	1
-444	6.95	2.59	-0.75	0	1	-443	6.80	2.23	-0.75	0	1	-442	6.66	1.88	-0.75	0	1
-441	6.51	1.52	-0.75	0	1	-440	6.37	1.16	-0.75	0	1	-439	11.14	14.00	-0.75	0	1
-438	11.02	13.70	-0.75	0	1	-437	10.88	13.34	-0.75	0	1	-436	10.74	12.98	-0.75	0	1
-435	10.59	12.63	-0.75	0	1	-434	10.45	12.27	-0.75	0	1	-433	10.31	11.91	-0.75	0	1
-431	10.02	11.19	-0.75	0	1	-430	9.87	10.83	-0.75	0	1	-429	9.73	10.48	-0.75	0	1
-428	9.59	10.12	-0.75	0	1	-427	9.44	9.76	-0.75	0	1	-426	9.30	9.40	-0.75	0	1
-425	9.15	9.04	-0.75	0	1	-424	9.01	8.68	-0.75	0	1	-423	8.87	8.33	-0.75	0	1
-422	8.72	7.97	-0.75	0	1	-420	8.44	7.25	-0.75	0	1	-419	8.29	6.89	-0.75	0	1
-418	8.15	6.53	-0.75	0	1	-416	7.86	5.82	-0.75	0	1	-415	7.72	5.46	-0.75	0	1
-414	7.57	5.10	-0.75	0	1	-413	7.43	4.74	-0.75	0	1	-412	7.28	4.38	-0.75	0	1
-411	7.14	4.03	-0.75	0	1	-410	7.00	3.67	-0.75	0	1	-408	6.71	2.95	-0.75	0	1
-407	6.56	2.59	-0.75	0	1	-406	6.42	2.23	-0.75	0	1	-405	6.28	1.88	-0.75	0	1
-404	6.13	1.52	-0.75	0	1	-403	5.99	1.16	-0.75	0	1	-402	10.76	13.99	-0.75	0	1
-401	10.64	13.69	-0.75	0	1	-400	10.50	13.33	-0.75	0	1	-399	10.35	12.97	-0.75	0	1
-398	10.21	12.61	-0.75	0	1	-397	10.06	12.26	-0.75	0	1	-396	9.92	11.90	-0.75	0	1
-395	9.78	11.54	-0.75	0	1	-394	9.63	11.18	-0.75	0	1	-393	9.49	10.82	-0.75	0	1
-392	9.35	10.47	-0.75	0	1	-391	9.20	10.11	-0.75	0	1	-390	9.06	9.75	-0.75	0	1
-389	8.91	9.39	-0.75	0	1	-388	8.77	9.03	-0.75	0	1	-387	8.63	8.68	-0.75	0	1
-386	8.48	8.32	-0.75	0	1	-385	8.34	7.96	-0.75	0	1	-384	8.20	7.60	-0.75	0	1
-383	8.05	7.24	-0.75	0	1	-382	7.91	6.89	-0.75	0	1	-381	7.76	6.53	-0.75	0	1
-380	7.62	6.17	-0.75	0	1	-379	7.48	5.81	-0.75	0	1	-378	7.33	5.45	-0.75	0	1
-377	7.19	5.10	-0.75	0	1	-376	7.05	4.74	-0.75	0	1	-375	6.90	4.38	-0.75	0	1
-374	6.76	4.02	-0.75	0	1	-373	6.61	3.66	-0.75	0	1	-372	6.47	3.31	-0.75	0	1
-371	6.33	2.95	-0.75	0	1	-370	6.18	2.59	-0.75	0	1	-369	6.04	2.23	-0.75	0	1
-368	5.90	1.87	-0.75	0	1	-367	5.75	1.52	-0.75	0	1	-366	5.61	1.16	-0.75	0	1

-365	10.38	13.99	-0.75	0	1	-364	10.25	13.68	-0.75	0	1	-363	10.11	13.32	-0.75	0	1
-362	9.97	12.96	-0.75	0	1	-361	9.82	12.60	-0.75	0	1	-360	9.68	12.25	-0.75	0	1
-359	9.54	11.89	-0.75	0	1	-358	9.39	11.53	-0.75	0	1	-357	9.25	11.17	-0.75	0	1
-356	9.10	10.81	-0.75	0	1	-355	8.96	10.46	-0.75	0	1	-354	8.82	10.10	-0.75	0	1
-353	8.67	9.74	-0.75	0	1	-352	8.53	9.38	-0.75	0	1	-351	8.39	9.03	-0.75	0	1
-350	8.24	8.67	-0.75	0	1	-349	8.10	8.31	-0.75	0	1	-348	7.96	7.95	-0.75	0	1
-347	7.81	7.60	-0.75	0	1	-346	7.67	7.24	-0.75	0	1	-345	7.53	6.88	-0.75	0	1
-344	7.38	6.52	-0.75	0	1	-343	7.24	6.17	-0.75	0	1	-342	7.09	5.81	-0.75	0	1
-341	6.95	5.45	-0.75	0	1	-340	6.81	5.09	-0.75	0	1	-339	6.66	4.73	-0.75	0	1
-338	6.52	4.38	-0.75	0	1	-337	6.38	4.02	-0.75	0	1	-336	6.23	3.66	-0.75	0	1
-335	6.09	3.30	-0.75	0	1	-334	5.95	2.95	-0.75	0	1	-333	5.80	2.59	-0.75	0	1
-332	5.66	2.23	-0.75	0	1	-331	5.51	1.87	-0.75	0	1	-330	5.37	1.52	-0.75	0	1
-329	5.23	1.16	-0.75	0	1	-328	10.00	13.98	-0.75	0	1	-327	9.87	13.66	-0.75	0	1
-326	9.72	13.31	-0.75	0	1	-325	9.58	12.95	-0.75	0	1	-324	9.44	12.59	-0.75	0	1
-323	9.29	12.23	-0.75	0	1	-322	9.15	11.88	-0.75	0	1	-321	9.01	11.52	-0.75	0	1
-320	8.86	11.16	-0.75	0	1	-319	8.72	10.81	-0.75	0	1	-318	8.58	10.45	-0.75	0	1
-317	8.43	10.09	-0.75	0	1	-316	8.29	9.73	-0.75	0	1	-315	8.15	9.38	-0.75	0	1
-314	8.00	9.02	-0.75	0	1	-313	7.86	8.66	-0.75	0	1	-312	7.72	8.30	-0.75	0	1
-311	7.57	7.95	-0.75	0	1	-310	7.43	7.59	-0.75	0	1	-309	7.29	7.23	-0.75	0	1
-308	7.14	6.87	-0.75	0	1	-307	7.00	6.52	-0.75	0	1	-306	6.86	6.16	-0.75	0	1
-305	6.71	5.80	-0.75	0	1	-304	6.57	5.45	-0.75	0	1	-303	6.43	5.09	-0.75	0	1
-302	6.28	4.73	-0.75	0	1	-301	6.14	4.37	-0.75	0	1	-300	5.99	4.02	-0.75	0	1
-299	5.85	3.66	-0.75	0	1	-298	5.71	3.30	-0.75	0	1	-297	5.56	2.94	-0.75	0	1
-296	5.42	2.59	-0.75	0	1	-295	5.28	2.23	-0.75	0	1	-294	5.13	1.87	-0.75	0	1
-293	4.99	1.51	-0.75	0	1	-292	4.85	1.16	-0.75	0	1	-291	9.61	13.98	-0.75	0	1
-290	9.48	13.65	-0.75	0	1	-289	9.34	13.29	-0.75	0	1	-288	9.20	12.94	-0.75	0	1
-287	9.05	12.58	-0.75	0	1	-286	8.91	12.22	-0.75	0	1	-285	8.77	11.87	-0.75	0	1
-284	8.62	11.51	-0.75	0	1	-283	8.48	11.15	-0.75	0	1	-282	8.34	10.80	-0.75	0	1
-281	8.19	10.44	-0.75	0	1	-280	8.05	10.08	-0.75	0	1	-279	7.91	9.72	-0.75	0	1
-278	7.76	9.37	-0.75	0	1	-277	7.62	9.01	-0.75	0	1	-276	7.48	8.65	-0.75	0	1
-275	7.33	8.30	-0.75	0	1	-274	7.19	7.94	-0.75	0	1	-273	7.05	7.58	-0.75	0	1
-272	6.90	7.23	-0.75	0	1	-271	6.76	6.87	-0.75	0	1	-270	6.62	6.51	-0.75	0	1
-269	6.47	6.15	-0.75	0	1	-268	6.33	5.80	-0.75	0	1	-267	6.19	5.44	-0.75	0	1
-266	6.04	5.08	-0.75	0	1	-265	5.90	4.73	-0.75	0	1	-264	5.76	4.37	-0.75	0	1
-263	5.61	4.01	-0.75	0	1	-262	5.47	3.66	-0.75	0	1	-261	5.33	3.30	-0.75	0	1
-260	5.18	2.94	-0.75	0	1	-259	5.04	2.58	-0.75	0	1	-258	4.90	2.23	-0.75	0	1
-257	4.75	1.87	-0.75	0	1	-256	4.61	1.51	-0.75	0	1	-255	4.47	1.16	-0.75	0	1
-254	9.23	13.97	-0.75	0	1	-253	9.10	13.64	-0.75	0	1	-252	8.95	13.28	-0.75	0	1
-251	8.81	12.93	-0.75	0	1	-250	8.67	12.57	-0.75	0	1	-249	8.52	12.21	-0.75	0	1
-248	8.38	11.86	-0.75	0	1	-247	8.24	11.50	-0.75	0	1	-246	8.09	11.14	-0.75	0	1
-245	7.95	10.79	-0.75	0	1	-244	7.81	10.43	-0.75	0	1	-243	7.67	10.07	-0.75	0	1
-242	7.52	9.72	-0.75	0	1	-241	7.38	9.36	-0.75	0	1	-240	7.24	9.00	-0.75	0	1
-239	7.09	8.65	-0.75	0	1	-238	6.95	8.29	-0.75	0	1	-237	6.81	7.93	-0.75	0	1
-236	6.66	7.58	-0.75	0	1	-235	6.52	7.22	-0.75	0	1	-234	6.38	6.86	-0.75	0	1
-233	6.23	6.51	-0.75	0	1	-232	6.09	6.15	-0.75	0	1	-231	5.95	5.79	-0.75	0	1
-230	5.80	5.44	-0.75	0	1	-229	5.66	5.08	-0.75	0	1	-228	5.52	4.72	-0.75	0	1
-227	5.37	4.37	-0.75	0	1	-226	5.23	4.01	-0.75	0	1	-225	5.09	3.65	-0.75	0	1
-224	4.94	3.30	-0.75	0	1	-223	4.80	2.94	-0.75	0	1	-222	4.66	2.58	-0.75	0	1
-221	4.52	2.23	-0.75	0	1	-220	4.37	1.87	-0.75	0	1	-219	4.23	1.51	-0.75	0	1
-218	4.09	1.16	-0.75	0	1	-217	8.85	13.96	-0.75	0	1	-216	8.71	13.63	-0.75	0	1
-215	8.57	13.27	-0.75	0	1	-214	8.43	12.91	-0.75	0	1	-213	8.28	12.56	-0.75	0	1
-212	8.14	12.20	-0.75	0	1	-211	8.00	11.85	-0.75	0	1	-210	7.85	11.49	-0.75	0	1
-209	7.71	11.13	-0.75	0	1	-208	7.57	10.78	-0.75	0	1	-207	7.42	10.42	-0.75	0	1
-206	7.28	10.06	-0.75	0	1	-205	7.14	9.71	-0.75	0	1	-204	6.99	9.35	-0.75	0	1
-203	6.85	8.99	-0.75	0	1	-202	6.71	8.64	-0.75	0	1	-201	6.57	8.28	-0.75	0	1
-200	6.42	7.93	-0.75	0	1	-199	6.28	7.57	-0.75	0	1	-198	6.14	7.21	-0.75	0	1
-197	5.99	6.86	-0.75	0	1	-196	5.85	6.50	-0.75	0	1	-195	5.71	6.14	-0.75	0	1
-194	5.56	5.79	-0.75	0	1	-193	5.42	5.43	-0.75	0	1	-192	5.28	5.08	-0.75	0	1
-191	5.14	4.72	-0.75	0	1	-190	4.99	4.36	-0.75	0	1	-189	4.85	4.01	-0.75	0	1
-188	4.71	3.65	-0.75	0	1	-187	4.56	3.29	-0.75	0	1	-186	4.42	2.94	-0.75	0	1
-185	4.28	2.58	-0.75	0	1	-184	4.13	2.23	-0.75	0	1	-183	3.99	1.87	-0.75	0	1
-182	3.85	1.51	-0.75	0	1	-181	3.70	1.16	-0.75	0	1	-180	8.46	13.96	-0.75	0	1
-179	8.33	13.61	-0.75	0	1	-178	8.18	13.26	-0.75	0	1	-177	8.04	12.90	-0.75	0	1
-176	7.90	12.55	-0.75	0	1	-175	7.75	12.19	-0.75	0	1	-174	7.61	11.83	-0.75	0	1
-173	7.47	11.48	-0.75	0	1	-172	7.33	11.12	-0.75	0	1	-171	7.18	10.77	-0.75	0	1
-170	7.04	10.41	-0.75	0	1	-169	6.90	10.05	-0.75	0	1	-168	6.75	9.70	-0.75	0	1
-167	6.61	9.34	-0.75	0	1	-166	6.47	8.99	-0.75	0	1	-165	6.33	8.63	-0.75	0	1
-164	6.18	8.27	-0.75	0	1	-163	6.04	7.92	-0.75	0	1	-162	5.90	7.56	-0.75	0	1
-161	5.75	7.21	-0.75	0	1	-160	5.61	6.85	-0.75	0	1	-159	5.47	6.50	-0.75	0	1
-158	5.32	6.14	-0.75	0	1	-157	5.18	5.78	-0.75	0	1	-156	5.04	5.43	-0.75	0	1
-155	4.90	5.07	-0.75	0	1	-154	4.75	4.72	-0.75	0	1	-153	4.61	4.36	-0.75	0	1
-152	4.47	4.00	-0.75	0	1	-151	4.32	3.65	-0.75	0	1	-150	4.18	3.29	-0.75	0	1
-149	4.04	2.94	-0.75	0	1	-148	3.90	2.58	-0.75	0	1	-147	3.75	2.22	-0.75	0	1
-146	3.61	1.87	-0.75	0	1	-145	3.47	1.51	-0.75	0	1	-144	3.32	1.16	-0.75	0	1
-143	8.08	13.95	-0.75	0	1	-142	7.94	13.60	-0.75	0	1	-141	7.80	13.25	-0.75	0	1
-140	7.65	12.89	-0.75	0	1	-139	7.51	12.54	-0.75	0	1	-138	7.37	12.18	-0.75	0	1
-137	7.23	11.82	-0.75	0	1	-136	7.08	11.47	-0.75	0	1	-135	6.94	11.11	-0.75	0	1
-134	6.80	10.76	-0.75	0	1	-133	6.66	10.40	-0.75	0	1	-132	6.51	10.05	-0.75	0	1
-131	6.37	9.69	-0.75	0	1	-130	6.23	9.33	-0.75	0	1	-129	6.08	8.98	-0.75	0	1

-128	5.94	8.62	-0.75	0	1
-125	5.51	7.56	-0.75	0	1
-122	5.08	6.49	-0.75	0	1
-119	4.66	5.42	-0.75	0	1
-116	4.23	4.36	-0.75	0	1
-113	3.80	3.29	-0.75	0	1
-110	3.37	2.22	-0.75	0	1
-107	2.94	1.16	-0.75	0	1
-104	7.55	13.59	-0.75	0	1
-101	7.27	12.88	-0.75	0	1
-98	13.68	12.72	-0.75	0	1
-95	6.84	11.81	-0.75	0	1
-92	13.24	11.63	-0.75	0	1
-89	6.41	10.75	-0.75	0	1
-86	12.80	10.55	-0.75	0	1
-83	5.99	9.68	-0.75	0	1
-80	12.37	9.47	-0.75	0	1
-77	5.56	8.62	-0.75	0	1
-74	11.94	8.38	-0.75	0	1
-71	5.13	7.55	-0.75	0	1
-68	11.50	7.30	-0.75	0	1
-65	4.70	6.48	-0.75	0	1
-62	11.06	6.22	-0.75	0	1
-59	4.27	5.42	-0.75	0	1
-56	10.63	5.13	-0.75	0	1
-53	3.85	4.35	-0.75	0	1
-50	10.20	4.05	-0.75	0	1
-47	3.42	3.29	-0.75	0	1
-44	9.76	2.97	-0.75	0	1
-41	2.99	2.22	-0.75	0	1
-38	9.32	1.88	-0.75	0	1
-35	2.56	1.16	-0.75	0	1
-32	8.51	0.80	-0.75	0	1
-29	13.17	14.30	-0.75	0	1
-26	7.37	0.80	-0.75	0	1
-23	12.03	14.30	-0.75	0	1
-20	6.23	0.80	-0.75	0	1
-15	10.50	14.30	-0.75	0	1
-12	4.70	0.80	-0.75	0	1
-9	9.36	14.30	-0.75	0	1
-6	3.56	0.80	-0.75	0	1
-3	8.22	14.30	-0.75	0	1
1	6.60	14.30	-0.75	0	6
4	8.89	0.80	-0.75	0	1
9	0.44	1.10	-0.75	0	1
18	10.98	0.80	-0.75	0	1
21	6.23	14.30	-0.75	0	1
39	16.98	15.10	-0.75	0	1
42	5.74	14.30	-0.75	0	1
45	2.10	0.00	-0.75	0	1
48	11.24	0.80	-0.75	0	1
103	14.31	14.30	5.00	0	1
118	10.98	0.80	5.00	0	1
121	6.23	14.30	3.30	0	1
219	0.81	0.80	5.00	0	1
223	4.85	9.92	3.50	0	1
246	6.90	11.95	3.30	0	1
252	4.99	7.20	3.30	0	1
261	4.32	5.52	3.30	0	1
264	1.99	2.80	3.30	0	1
267	3.35	6.20	-0.75	0	6
270	5.78	0.80	-0.75	0	6
274	15.80	14.30	-0.75	0	6
277	12.55	6.20	-0.75	0	6
280	6.87	3.50	-0.75	0	6

-127	5.80	8.27	-0.75	0	1
-124	5.37	7.20	-0.75	0	1
-121	4.94	6.13	-0.75	0	1
-118	4.51	5.07	-0.75	0	1
-115	4.09	4.00	-0.75	0	1
-112	3.66	2.93	-0.75	0	1
-109	3.23	1.87	-0.75	0	1
-106	7.70	13.94	-0.75	0	1
-103	7.41	13.23	-0.75	0	1
-100	13.82	13.08	-0.75	0	1
-97	6.98	12.17	-0.75	0	1
-94	13.38	11.99	-0.75	0	1
-91	6.56	11.10	-0.75	0	1
-88	12.95	10.91	-0.75	0	1
-85	6.13	10.04	-0.75	0	1
-82	12.52	9.83	-0.75	0	1
-79	5.70	8.97	-0.75	0	1
-76	12.08	8.74	-0.75	0	1
-73	5.27	7.91	-0.75	0	1
-70	11.64	7.66	-0.75	0	1
-67	4.84	6.84	-0.75	0	1
-64	11.21	6.58	-0.75	0	1
-61	4.42	5.77	-0.75	0	1
-58	10.78	5.49	-0.75	0	1
-55	3.99	4.71	-0.75	0	1
-52	10.34	4.41	-0.75	0	1
-49	3.56	3.64	-0.75	0	1
-46	9.90	3.33	-0.75	0	1
-43	3.13	2.58	-0.75	0	1
-40	9.47	2.24	-0.75	0	1
-37	2.71	1.51	-0.75	0	1
-34	9.04	1.16	-0.75	0	1
-31	13.55	14.30	-0.75	0	1
-28	7.75	0.80	-0.75	0	1
-25	12.41	14.30	-0.75	0	1
-22	6.61	0.80	-0.75	0	1
-17	10.88	14.30	-0.75	0	1
-14	5.08	0.80	-0.75	0	1
-11	9.74	14.30	-0.75	0	1
-8	3.94	0.80	-0.75	0	1
-5	8.60	14.30	-0.75	0	1
-2	2.80	0.80	-0.75	0	1
2	14.11	13.80	-0.75	0	1
6	2.42	0.80	-0.75	0	1
12	7.84	14.30	-0.75	0	1
19	0.81	0.80	-0.75	0	1
37	14.63	15.10	-0.75	0	1
40	16.66	14.30	-0.75	0	1
43	0.32	0.80	-0.75	0	1
46	8.57	0.00	-0.75	0	1
49	7.95	6.20	-0.75	0	6
105	2.42	0.80	3.30	0	1
119	0.81	0.80	3.30	0	1
205	2.42	0.80	5.00	0	1
221	6.23	14.30	5.00	0	1
244	7.18	12.65	3.30	0	1
247	6.23	10.27	3.30	0	1
254	3.89	7.55	3.30	0	1
262	3.37	3.15	3.30	0	1
265	5.52	11.60	-0.75	0	6
268	2.27	3.50	-0.75	0	6
272	10.12	11.60	-0.75	0	6
275	14.72	11.60	-0.75	0	6
278	11.46	3.50	-0.75	0	6

-126	5.66	7.91	-0.75	0	1
-123	5.23	6.85	-0.75	0	1
-120	4.80	5.78	-0.75	0	1
-117	4.37	4.71	-0.75	0	1
-114	3.94	3.64	-0.75	0	1
-111	3.51	2.58	-0.75	0	1
-108	3.09	1.51	-0.75	0	1
-105	14.21	14.05	-0.75	0	1
-102	13.96	13.44	-0.75	0	1
-99	7.13	12.52	-0.75	0	1
-96	13.53	12.36	-0.75	0	1
-93	6.70	11.46	-0.75	0	1
-90	13.10	11.27	-0.75	0	1
-87	6.27	10.39	-0.75	0	1
-84	12.66	10.19	-0.75	0	1
-81	5.84	9.33	-0.75	0	1
-78	12.22	9.11	-0.75	0	1
-75	5.42	8.26	-0.75	0	1
-72	11.79	8.02	-0.75	0	1
-69	4.99	7.19	-0.75	0	1
-66	11.36	6.94	-0.75	0	1
-63	4.56	6.13	-0.75	0	1
-60	10.92	5.86	-0.75	0	1
-57	4.13	5.06	-0.75	0	1
-54	10.48	4.77	-0.75	0	1
-51	3.70	4.00	-0.75	0	1
-48	10.05	3.69	-0.75	0	1
-45	3.28	2.93	-0.75	0	1
-42	9.62	2.61	-0.75	0	1
-39	2.85	1.87	-0.75	0	1
-36	9.18	1.52	-0.75	0	1
-33	13.93	14.30	-0.75	0	1
-30	8.13	0.80	-0.75	0	1
-27	12.79	14.30	-0.75	0	1
-24	6.99	0.80	-0.75	0	1
-21	11.65	14.30	-0.75	0	1
-16	5.46	0.80	-0.75	0	1
-13	10.12	14.30	-0.75	0	1
-10	4.32	0.80	-0.75	0	1
-7	8.98	14.30	-0.75	0	1
-4	3.18	0.80	-0.75	0	1
-1	8.49	7.55	-0.75	0	2
3	14.31	14.30	-0.75	0	1
8	1.78	0.80	-0.75	0	1
14	8.89	0.80	5.00	0	1
20	16.45	14.30	-0.75	0	1
38	8.16	15.10	-0.75	0	1
41	6.06	15.10	-0.75	0	1
44	0.00	0.00	-0.75	0	1
47	10.92	0.00	-0.75	0	1
50	9.03	8.90	-0.75	0	6
117	7.84	14.30	3.30	0	1
120	16.45	14.30	5.00	0	1
217	7.84	14.30	5.00	0	1
222	5.80	12.30	3.50	0	1
245	7.04	12.30	3.30	0	1
251	5.27	7.90	3.30	0	1
260	2.94	5.17	3.30	0	1
263	3.08	2.45	3.30	0	1
266	4.44	8.90	-0.75	0	6
269	1.18	0.80	-0.75	0	6
273	11.20	14.30	-0.75	0	6
276	13.63	8.90	-0.75	0	6
279	10.38	0.80	-0.75	0	6

Elenco materiali

Simbologia

Mat. =Numero del materiale
Comm. =Commento
P =Peso specifico
E =Modulo elastico
G =Modulo elastico tangenziale
ν =Coeff. di Poisson
α =Coeff. di dilatazione termica

Mat.	Comm.	P <daN/mc>	E <daN/cmq>	G <daN/cmq>	ν	α

4	Calcestruzzo classe C20/25	2500	302005.00	137275.00	0.1	1.000000E-05
7	Calcestruzzo classe C30/37	2500	330194.00	150088.00	0.1	1.000000E-05
8	Calcestruzzo classe C32/40	2500	336428.00	152922.00	0.1	1.000000E-05
22	Baggioli	0.000000E+00	325881.00	148128.00	0.1	1.000000E-05

Elenco aste

Simbologia

Asta = Numero dell'asta
N1 = Nodo iniziale
N2 = Nodo finale
Sez. = Numero della sezione
Va = Numero del vincolo asta
Par. = Numero dei parametri aggiuntivi
Rot. = Rotazione
FF = Filo fisso
Dy1 = Scost. filo fisso Y1
Dy2 = Scost. filo fisso Y2
Dz1 = Scost. filo fisso Z1
Dz2 = Scost. filo fisso Z2
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Asta	N1	N2	Sez.	Va	Par.	Rot. <grad>	FF	Dy1 <cm>	Dy2 <cm>	Dz1 <cm>	Dz2 <cm>	Kt <daN/cmc>
0	269	19		1		0.00	11	0.00	0.00	0.00	0.00	
0	8	-1048		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1051	8		1		0.00	11	0.00	0.00	0.00	0.00	
0	6	-1051		1		0.00	11	0.00	0.00	0.00	0.00	
0	6	-35		1		0.00	11	0.00	0.00	0.00	0.00	
0	-35	-37		1		0.00	11	0.00	0.00	0.00	0.00	
0	-37	-39		1		0.00	11	0.00	0.00	0.00	0.00	
0	-39	-41		1		0.00	11	0.00	0.00	0.00	0.00	
0	-41	-43		1		0.00	11	0.00	0.00	0.00	0.00	
0	-43	-45		1		0.00	11	0.00	0.00	0.00	0.00	
0	-45	-47		1		0.00	11	0.00	0.00	0.00	0.00	
0	-47	-49		1		0.00	11	0.00	0.00	0.00	0.00	
0	-49	-51		1		0.00	11	0.00	0.00	0.00	0.00	
0	-51	-53		1		0.00	11	0.00	0.00	0.00	0.00	
0	-53	-55		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1594	119		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1592	-1594		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1590	-1592		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1588	-1590		1		0.00	11	0.00	0.00	0.00	0.00	
0	105	-1588		1		0.00	11	0.00	0.00	0.00	0.00	
0	-55	-57		1		0.00	11	0.00	0.00	0.00	0.00	
0	105	-2437		1		0.00	11	0.00	0.00	0.00	0.00	
0	-57	-59		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2437	-2438		1		0.00	11	0.00	0.00	0.00	0.00	
0	-59	-61		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2438	-2439		1		0.00	11	0.00	0.00	0.00	0.00	
0	-61	-63		1		0.00	11	0.00	0.00	0.00	0.00	
0	-63	-65		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1595	219		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2439	-2440		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1593	-1595		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2440	263		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1591	-1593		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1589	-1591		1		0.00	11	0.00	0.00	0.00	0.00	
0	205	-1589		1		0.00	11	0.00	0.00	0.00	0.00	
0	-65	-67		1		0.00	11	0.00	0.00	0.00	0.00	
0	263	264	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	205	-1790		1		0.00	11	0.00	0.00	0.00	0.00	
0	262	264	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	263	-2442		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1790	-1792		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2442	262		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1792	-1794		1		0.00	11	0.00	0.00	0.00	0.00	
0	262	-2444		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1794	-1796		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2444	-2445		1		0.00	11	0.00	0.00	0.00	0.00	
0	-73	-75		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1796	-1798		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2445	-2446		1		0.00	11	0.00	0.00	0.00	0.00	
0	-75	-77		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1798	-1800		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2446	-2447		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1800	-1802		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2447	260	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	261	260	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	-2447	-2448		1		0.00	11	0.00	0.00	0.00	0.00	

0	14	-1668		1		0.00	11	0.00	0.00	0.00	0.00	
0	-67	-69		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2448	261		1		0.00	11	0.00	0.00	0.00	0.00	
0	4	-745		1		0.00	11	0.00	0.00	0.00	0.00	
0	-34	4		1		0.00	11	0.00	0.00	0.00	0.00	
0	-745	-743		1		0.00	11	0.00	0.00	0.00	0.00	
0	49	-1		1		0.00	11	0.00	0.00	0.00	0.00	
0	261	-2450		1		0.00	11	0.00	0.00	0.00	0.00	
0	-36	-34		1		0.00	11	0.00	0.00	0.00	0.00	
0	-743	-741		1		0.00	11	0.00	0.00	0.00	0.00	
0	-38	-36		1		0.00	11	0.00	0.00	0.00	0.00	
0	-40	-38		1		0.00	11	0.00	0.00	0.00	0.00	
0	-69	-71		1		0.00	11	0.00	0.00	0.00	0.00	
0	-71	-73		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1802	-1804		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1804	-1806		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1806	-1808		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1808	-1810		1		0.00	11	0.00	0.00	0.00	0.00	
0	-741	279		1		0.00	11	0.00	0.00	0.00	0.00	
0	-737	18		1		0.00	11	0.00	0.00	0.00	0.00	
0	-42	-40		1		0.00	11	0.00	0.00	0.00	0.00	
0	-46	-44		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1810	-1812		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1789	14		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1669	-1670		1		0.00	11	0.00	0.00	0.00	0.00	
0	-79	-81		1		0.00	11	0.00	0.00	0.00	0.00	
0	-83	-85		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1812	-1814		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1668	-1669		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1791	-1789		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2450	-2451		1		0.00	11	0.00	0.00	0.00	0.00	
0	-44	-42		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1670	-1671		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1671	-1672		1		0.00	11	0.00	0.00	0.00	0.00	
0	-77	-79		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2451	-2452		1		0.00	11	0.00	0.00	0.00	0.00	
0	-48	-46		1		0.00	11	0.00	0.00	0.00	0.00	
0	-87	-89		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2452	-2453		1		0.00	11	0.00	0.00	0.00	0.00	
0	252	254	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	252	-2455		1		0.00	11	0.00	0.00	0.00	0.00	
0	-50	-48		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1	50		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2453	252		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1814	-1816		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2455	251		1		0.00	11	0.00	0.00	0.00	0.00	
0	-52	-50		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1816	-1818		1		0.00	11	0.00	0.00	0.00	0.00	
0	-58	-56		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1793	-1791		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1795	-1793		1		0.00	11	0.00	0.00	0.00	0.00	
0	-93	-95		1		0.00	11	0.00	0.00	0.00	0.00	
0	251	-2456		1		0.00	11	0.00	0.00	0.00	0.00	
0	-54	-52		1		0.00	11	0.00	0.00	0.00	0.00	
0	-89	-91		1		0.00	11	0.00	0.00	0.00	0.00	
0	251	254	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	-95	-97		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1818	-1820		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2457	-2458		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3360	223	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	-56	-54		1		0.00	11	0.00	0.00	0.00	0.00	
0	-60	-58		1		0.00	11	0.00	0.00	0.00	0.00	
0	-62	-60		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1672	118		1		0.00	11	0.00	0.00	0.00	0.00	
0	-91	-93		1		0.00	11	0.00	0.00	0.00	0.00	
0	-97	-3378		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3378	-99		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2456	-2457		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1820	-1822		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1822	-1824		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2458	-2459		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1824	-1826		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1826	-1828		1		0.00	11	0.00	0.00	0.00	0.00	
0	-64	-62		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1828	-1830		1		0.00	11	0.00	0.00	0.00	0.00	
0	-66	-64		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1830	-1832		1		0.00	11	0.00	0.00	0.00	0.00	
0	247	-2463		1		0.00	11	0.00	0.00	0.00	0.00	
0	-68	-66		1		0.00	11	0.00	0.00	0.00	0.00	

0	-1797	-1795		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1799	-1797		1		0.00	11	0.00	0.00	0.00	0.00	
0	-99	-101		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2459	-3360		1		0.00	11	0.00	0.00	0.00	0.00	
0	246	245		1		0.00	11	0.00	0.00	0.00	0.00	
0	-72	-70		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1801	-1799		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1803	-1801		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1807	-1805		1		0.00	11	0.00	0.00	0.00	0.00	
0	-101	-103		1		0.00	11	0.00	0.00	0.00	0.00	
0	-106	12		1		0.00	11	0.00	0.00	0.00	0.00	
0	247	223	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	-2464	-2465		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1836	-1838		1		0.00	11	0.00	0.00	0.00	0.00	
0	246	222	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	244	-2469		1		0.00	11	0.00	0.00	0.00	0.00	
0	-74	-72		1		0.00	11	0.00	0.00	0.00	0.00	
0	-78	-76		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1809	-1807		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2461	247		1		0.00	11	0.00	0.00	0.00	0.00	
0	-70	-68		1		0.00	11	0.00	0.00	0.00	0.00	
0	-76	-74		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1065	-1066		1		0.00	11	0.00	0.00	0.00	0.00	
0	-104	-106		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3360	-2461		1		0.00	11	0.00	0.00	0.00	0.00	
0	1	21		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1832	-1834		1		0.00	11	0.00	0.00	0.00	0.00	
0	-80	-78		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1805	-1803		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1813	-1811		1		0.00	11	0.00	0.00	0.00	0.00	
0	-103	-104		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1834	-1836		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1838	-1840		1		0.00	11	0.00	0.00	0.00	0.00	
0	-82	-80		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1817	-1815		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1064	-1065		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2466	246		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1840	-1842		1		0.00	11	0.00	0.00	0.00	0.00	
0	-84	-82		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1811	-1809		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1815	-1813		1		0.00	11	0.00	0.00	0.00	0.00	
0	12	-1064		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2463	-2464		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2465	-2466		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1842	-1844		1		0.00	11	0.00	0.00	0.00	0.00	
0	244	222	6	1		0.00	11	0.00	0.00	0.00	0.00	
0	-90	-88		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1819	-1817		1		0.00	11	0.00	0.00	0.00	0.00	
0	245	244		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1844	-1846		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2469	-2470		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1846	-1848		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1848	-1850		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1423	-1425		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2471	-2472		1		0.00	11	0.00	0.00	0.00	0.00	
0	-86	-84		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1850	-3370		1		0.00	11	0.00	0.00	0.00	0.00	
0	-88	-86		1		0.00	11	0.00	0.00	0.00	0.00	
0	-94	-92		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1821	-1819		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1823	-1821		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1825	-1823		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3370	-1852		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1425	121		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1421	-1423		1		0.00	11	0.00	0.00	0.00	0.00	
0	-92	-90		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1827	-1825		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1831	-1829		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2470	-2471		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1419	-1421		1		0.00	11	0.00	0.00	0.00	0.00	
0	-2472	117		1		0.00	11	0.00	0.00	0.00	0.00	
0	117	-1419		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1852	-1854		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1829	-1827		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1854	-1856		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1426	221		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1856	-1858		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1424	-1426		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1422	-1424		1		0.00	11	0.00	0.00	0.00	0.00	

0	-1858	-1860		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1420	-1422		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3415	-94		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1860	217		1		0.00	11	0.00	0.00	0.00	0.00	
0	217	-1420		1		0.00	11	0.00	0.00	0.00	0.00	
0	-96	-3415		1		0.00	11	0.00	0.00	0.00	0.00	
0	-98	-96		1		0.00	11	0.00	0.00	0.00	0.00	
0	-100	-98		1		0.00	11	0.00	0.00	0.00	0.00	
0	-102	-100		1		0.00	11	0.00	0.00	0.00	0.00	
0	2	-102		1		0.00	11	0.00	0.00	0.00	0.00	
0	-105	2		1		0.00	11	0.00	0.00	0.00	0.00	
0	3	-105		1		0.00	11	0.00	0.00	0.00	0.00	
0	3	-744		1		0.00	11	0.00	0.00	0.00	0.00	
0	-744	-742		1		0.00	11	0.00	0.00	0.00	0.00	
0	-742	-740		1		0.00	11	0.00	0.00	0.00	0.00	
0	-740	274		1		0.00	11	0.00	0.00	0.00	0.00	
0	-736	20		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1833	-1831		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1835	-1833		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1837	-1835		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1839	-1837		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1841	-1839		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1843	-1841		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1845	-1843		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1847	-1845		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1849	-1847		1		0.00	11	0.00	0.00	0.00	0.00	
0	-3402	-1849		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1851	-3402		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1853	-1851		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1855	-1853		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1857	-1855		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1859	-1857		1		0.00	11	0.00	0.00	0.00	0.00	
0	103	-1859		1		0.00	11	0.00	0.00	0.00	0.00	
0	103	-1499		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1499	-1500		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1500	-1501		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1501	-1502		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1502	-1503		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1503	120		1		0.00	11	0.00	0.00	0.00	0.00	

Elenco tipi elementi bidimensionali

Simbologia

Tb =Numero del tipo muro/elemento bidimensionale
Comm. =Commento
Tipo =Tipologia
F = Membranale e Flessionale
M = Membranale
W-RC = Winkler resistente solo a compressione
W-RTC = Winkler resistente a trazione e a compressione
Uso =Utilizzo
G = Generico
P = Parete
S = Soletta/Platea
N = Nucleo
M = Muratura ordinaria
L = Pilastro
MA = Muratura armata
X = Pannello X-LAM
Spess. =Spessore
Kt =Coeff. di sottofondo su suolo elastico alla Winkler
DP =Drucker-Prager
Ang. att. =Angolo di attrito
Coes. =Coesione
Crit. =Numero del criterio di progetto
Mat. =Numero del materiale

Tb	Comm.	Tipo	Uso	Spess. <cm>	Kt <daN/cmc>	DP	Ang. att. <grad>	Coes. <daN/mq>	Crit.	Mat.
1	Muri d'ala anteriori sp.30cm	F	P	30.00		N	0.00	0.00	1	8
2	Murofusto spalla sp.1.5m	F	P	150.00		N	0.00	0.00	1	7
3	Paraghiaia sp.0.5m	F	P	50.00		N	0.00	0.00	1	8
4	plinto spalla sp.1.5m	F	S	150.00		N	0.00	0.00	1	4
5	soletta di copertura sp,0.5m	F	S	50.00		N	0.00	0.00	1	8
6	Setto posteriore sp.0.5m	F	P	50.00		N	0.00	0.00	1	8
7	Muri d'ala tergali sp.0.5m	F	P	50.00		N	0.00	0.00	1	8

Elenco elementi bidimensionali

Simbologia

Bid. = Numero del muro/elemento bidimensionale
Tb = Numero del tipo muro/elemento bidimensionale
FF = Filo fisso
Dy1 = Scost. filo fisso Y1
Dy2 = Scost. filo fisso Y2
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
NN = Nodi

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
110	1	11	0.00	0.00		-1437 -1441 -1442 -1438
110	1	11	0.00	0.00		-1449 -1431 -1433 -1450
110	1	11	0.00	0.00		-1441 -1445 -1446 -1442
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111	1	11	0.00	0.00		-1489 -1497 -1498 -1490
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112	7	11	0.00	0.00		-742 -740 -3521 -3520
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112	7	11	0.00	0.00		-1530 -1542 -1543 -1531
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112	7	11	0.00	0.00		-1554 -1566 -1567 -1555
112	7	11	0.00	0.00		-736 20 -3524 -3523
112	7	11	0.00	0.00		-1515 -1533 -1534 -1517
112	7	11	0.00	0.00		-1552 -1564 -1565 -1553
112	7	11	0.00	0.00		-1572 -1584 -1585 -1573
112	7	11	0.00	0.00		-1587 -1526 120 -1503

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
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110	1	11	0.00	0.00		-1439 -1443 -1444 -1440
110	1	11	0.00	0.00		-1435 -1439 -1440 -1436
110	1	11	0.00	0.00		-1445 -1449 -1450 -1446
110	1	11	0.00	0.00		-1438 -1442 -1422 -1420
110	1	11	0.00	0.00		-1434 -1438 -1420 217
110	1	11	0.00	0.00		-1442 -1446 -1424 -1422
110	1	11	0.00	0.00		-1432 -1437 -1438 -1434
110	1	11	0.00	0.00		-1447 -1427 -1429 -1448
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111	1	11	0.00	0.00		-1472 -1480 -1481 -1473
111	1	11	0.00	0.00		-1470 -1478 -1479 -1471
111	1	11	0.00	0.00		-1066 1 -3424 -3425
111	1	11	0.00	0.00		-1498 -1465 121 -1425
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112	7	11	0.00	0.00		-744 -742 -3520 -3519
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403	4	22	0.00	0.00		-863 -869 -870 -864
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403	4	22	0.00	0.00		-846 -852 -853 -847
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404	5	11	0.00	0.00		-2198 -2234 -2235 -2199
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404	5	11	0.00	0.00		-1993 -2029 -2030 -1994
404	5	11	0.00	0.00		-1995 -2031 -2032 -1996
404	5	11	0.00	0.00		-1997 -2033 -2034 -1998
404	5	11	0.00	0.00		-1999 -2035 -3390 -3389
404	5	11	0.00	0.00		-2001 -2037 -2038 -2002
404	5	11	0.00	0.00		-2003 -2039 -2040 -2004
404	5	11	0.00	0.00		-1765 -1767 -2041 -2005
404	5	11	0.00	0.00		-2006 -2042 -2043 -2007
404	5	11	0.00	0.00		-2008 -2044 -2045 -2009
404	5	11	0.00	0.00		-2010 -2046 -2047 -2011
404	5	11	0.00	0.00		-2012 -2048 -2049 -2013
404	5	11	0.00	0.00		-1909 -1945 -1946 -1910
404	5	11	0.00	0.00		-1911 -1947 -1948 -1912
404	5	11	0.00	0.00		-1913 -1949 -1950 -1914
404	5	11	0.00	0.00		-1915 -1951 -1952 -1916
404	5	11	0.00	0.00		-1917 -1953 -1954 -1918
404	5	11	0.00	0.00		-1919 -1955 -1956 -1920
404	5	11	0.00	0.00		-1921 -1957 -1958 -1922
404	5	11	0.00	0.00		-1923 -1959 -1960 -1924
404	5	11	0.00	0.00		-1925 -1961 -1962 -1926
404	5	11	0.00	0.00		-1927 -1963 -3388 -3387
404	5	11	0.00	0.00		-1929 -1965 -1966 -1930
404	5	11	0.00	0.00		-1931 -1967 -1968 -1932
404	5	11	0.00	0.00		-2249 -2285 -2286 -2250
404	5	11	0.00	0.00		-2251 -2287 -3397 -3396
404	5	11	0.00	0.00		-2253 -2289 -2290 -2254
404	5	11	0.00	0.00		-2255 -2291 -2292 -2256
404	5	11	0.00	0.00		-1779 -1781 -2293 -2257
404	5	11	0.00	0.00		-2258 -2294 -2295 -2259
404	5	11	0.00	0.00		-2260 -2296 -2297 -2261
404	5	11	0.00	0.00		-2262 -2298 -2299 -2263
404	5	11	0.00	0.00		-2264 -2300 -2301 -2265

404	5	11	0.00	0.00		-2265 -2301 -2302 -2266
404	5	11	0.00	0.00		-2267 -2303 -2304 -2268
404	5	11	0.00	0.00		-2269 -2305 -2306 -2270
404	5	11	0.00	0.00		-2271 -2307 -2308 -2272
404	5	11	0.00	0.00		-2273 -2309 -2310 -2274
404	5	11	0.00	0.00		-2275 -2311 -2312 -2276
404	5	11	0.00	0.00		-2277 -2313 -2314 -2278
404	5	11	0.00	0.00		-2279 -2315 -2316 -2280
404	5	11	0.00	0.00		-2281 -2317 -2318 -2282
404	5	11	0.00	0.00		-2283 -2319 -2320 -2284
404	5	11	0.00	0.00		-2285 -2321 -2322 -2286
404	5	11	0.00	0.00		-2287 -2323 -3398 -3397
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404	5	11	0.00	0.00		-2312 -2348 -2349 -2313
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404	5	11	0.00	0.00		-2331 -2367 -2368 -2332
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404	5	11	0.00	0.00		-2427 -1841 -1843 -2428
404	5	11	0.00	0.00		-2429 -1845 -1847 -2430
404	5	11	0.00	0.00		-2431 -1849 -3402 -3401
404	5	11	0.00	0.00		-2433 -1853 -1855 -2434
404	5	11	0.00	0.00		-2435 -1857 -1859 -2436
404	5	11	0.00	0.00		-2014 -2050 -2051 -2015
404	5	11	0.00	0.00		-2016 -2052 -2053 -2017
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404	5	11	0.00	0.00		-2022 -2058 -2059 -2023
404	5	11	0.00	0.00		-2024 -2060 -2061 -2025
404	5	11	0.00	0.00		-2026 -2062 -2063 -2027
404	5	11	0.00	0.00		-2028 -2064 -2065 -2029
404	5	11	0.00	0.00		-2030 -2066 -2067 -2031
404	5	11	0.00	0.00		-2032 -2068 -2069 -2033
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404	5	11	0.00	0.00		-2038 -2074 -2075 -2039
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404	5	11	0.00	0.00		-2045 -2081 -2082 -2046
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404	5	11	0.00	0.00		-2063 -2099 -2100 -2064
404	5	11	0.00	0.00		-2065 -2101 -2102 -2066
404	5	11	0.00	0.00		-2067 -2103 -2104 -2068
404	5	11	0.00	0.00		-2069 -2105 -2106 -2070
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404	5	11	0.00	0.00		-2086 -2122 -2123 -2087
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404	5	11	0.00	0.00		-2090 -2126 -2127 -2091
404	5	11	0.00	0.00		-2092 -2128 -2129 -2093
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404	5	11	0.00	0.00		-2096 -2132 -2133 -2097
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404	5	11	0.00	0.00		-2100 -2136 -2137 -2101
404	5	11	0.00	0.00		-2102 -2138 -2139 -2103
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404	5	11	0.00	0.00		-2121 -2157 -2158 -2122
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404	5	11	0.00	0.00		-2133 -2169 -2170 -2134
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404	5	11	0.00	0.00		-2141 -2177 -2178 -2142
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404	5	11	0.00	0.00		205 -1757 -1861 -1790

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404	5	11	0.00	0.00		-2436 -1859 103 -1788
404	5	11	0.00	0.00		-2015 -2051 -2052 -2016
404	5	11	0.00	0.00		-2017 -2053 -2054 -2018
404	5	11	0.00	0.00		-2019 -2055 -2056 -2020
404	5	11	0.00	0.00		-2021 -2057 -2058 -2022
404	5	11	0.00	0.00		-2023 -2059 -2060 -2024
404	5	11	0.00	0.00		-2025 -2061 -2062 -2026
404	5	11	0.00	0.00		-2027 -2063 -2064 -2028
404	5	11	0.00	0.00		-2029 -2065 -2066 -2030
404	5	11	0.00	0.00		-2031 -2067 -2068 -2032
404	5	11	0.00	0.00		-2033 -2069 -2070 -2034
404	5	11	0.00	0.00		-2035 -2071 -3391 -3390
404	5	11	0.00	0.00		-2037 -2073 -2074 -2038
404	5	11	0.00	0.00		-2039 -2075 -2076 -2040
404	5	11	0.00	0.00		-1767 -1769 -2077 -2041
404	5	11	0.00	0.00		-2042 -2078 -2079 -2043
404	5	11	0.00	0.00		-2044 -2080 -2081 -2045
404	5	11	0.00	0.00		-2046 -2082 -2083 -2047
404	5	11	0.00	0.00		-2048 -2084 -2085 -2049
404	5	11	0.00	0.00		-2050 -2086 -2087 -2051
404	5	11	0.00	0.00		-2052 -2088 -2089 -2053
404	5	11	0.00	0.00		-2054 -2090 -2091 -2055
404	5	11	0.00	0.00		-2056 -2092 -2093 -2057
404	5	11	0.00	0.00		-2058 -2094 -2095 -2059
404	5	11	0.00	0.00		-2060 -2096 -2097 -2061
404	5	11	0.00	0.00		-2062 -2098 -2099 -2063
404	5	11	0.00	0.00		-2064 -2100 -2101 -2065
404	5	11	0.00	0.00		-2066 -2102 -2103 -2067
404	5	11	0.00	0.00		-2068 -2104 -2105 -2069
404	5	11	0.00	0.00		-2070 -2106 -2107 -2071
404	5	11	0.00	0.00		-2072 -2108 -2109 -2073
404	5	11	0.00	0.00		-2074 -2110 -2111 -2075
404	5	11	0.00	0.00		-2076 -2112 -1770 -1768
404	5	11	0.00	0.00		-2077 -2113 -2114 -2078
404	5	11	0.00	0.00		-2079 -2115 -2116 -2080
404	5	11	0.00	0.00		-2081 -2117 -2118 -2082
404	5	11	0.00	0.00		-2083 -2119 -2120 -2084
404	5	11	0.00	0.00		-2085 -2121 -2122 -2086
404	5	11	0.00	0.00		-2087 -2123 -2124 -2088
404	5	11	0.00	0.00		-2089 -2125 -2126 -2090
404	5	11	0.00	0.00		-2091 -2127 -2128 -2092
404	5	11	0.00	0.00		-2093 -2129 -2130 -2094
404	5	11	0.00	0.00		-2095 -2131 -2132 -2096
404	5	11	0.00	0.00		-2097 -2133 -2134 -2098
404	5	11	0.00	0.00		-2099 -2135 -2136 -2100
404	5	11	0.00	0.00		-2101 -2137 -2138 -2102
404	5	11	0.00	0.00		-2103 -2139 -2140 -2104
404	5	11	0.00	0.00		-2105 -2141 -2142 -2106
404	5	11	0.00	0.00		-2107 -2143 -3393 -3392
404	5	11	0.00	0.00		-2109 -2145 -2146 -2110
404	5	11	0.00	0.00		-2111 -2147 -2148 -2112
404	5	11	0.00	0.00		-1771 -1773 -2149 -2113
404	5	11	0.00	0.00		-2114 -2150 -2151 -2115
404	5	11	0.00	0.00		-2116 -2152 -2153 -2117
404	5	11	0.00	0.00		-2118 -2154 -2155 -2119
404	5	11	0.00	0.00		-2120 -2156 -2157 -2121
404	5	11	0.00	0.00		-2122 -2158 -2159 -2123
404	5	11	0.00	0.00		-2124 -2160 -2161 -2125
404	5	11	0.00	0.00		-2126 -2162 -2163 -2127
404	5	11	0.00	0.00		-2128 -2164 -2165 -2129
404	5	11	0.00	0.00		-2130 -2166 -2167 -2131
404	5	11	0.00	0.00		-2132 -2168 -2169 -2133
404	5	11	0.00	0.00		-2134 -2170 -2171 -2135
404	5	11	0.00	0.00		-2136 -2172 -2173 -2137
404	5	11	0.00	0.00		-2138 -2174 -2175 -2139
404	5	11	0.00	0.00		-2140 -2176 -2177 -2141
404	5	11	0.00	0.00		-2142 -2178 -2179 -2143
404	5	11	0.00	0.00		-2144 -2180 -2181 -2145
404	5	11	0.00	0.00		-2146 -2182 -2183 -2147
404	5	11	0.00	0.00		-2148 -2184 -1774 -1772
404	5	11	0.00	0.00		-2149 -2185 -2186 -2150

404	5	11	0.00	0.00		-2150 -2186 -2187 -2151
404	5	11	0.00	0.00		-2152 -2188 -2189 -2153
404	5	11	0.00	0.00		-2154 -2190 -2191 -2155
404	5	11	0.00	0.00		-2156 -2192 -2193 -2157
404	5	11	0.00	0.00		-2158 -2194 -2195 -2159
404	5	11	0.00	0.00		-2160 -2196 -2197 -2161
404	5	11	0.00	0.00		-2162 -2198 -2199 -2163
404	5	11	0.00	0.00		-2164 -2200 -2201 -2165
404	5	11	0.00	0.00		-2166 -2202 -2203 -2167
404	5	11	0.00	0.00		-2168 -2204 -2205 -2169
404	5	11	0.00	0.00		-2170 -2206 -2207 -2171
404	5	11	0.00	0.00		-2172 -2208 -2209 -2173
404	5	11	0.00	0.00		-2174 -2210 -2211 -2175
404	5	11	0.00	0.00		-2176 -2212 -2213 -2177
404	5	11	0.00	0.00		-2178 -2214 -2215 -2179
404	5	11	0.00	0.00		-2180 -2216 -2217 -2181
404	5	11	0.00	0.00		-2182 -2218 -2219 -2183
404	5	11	0.00	0.00		-2184 -2220 -1776 -1774
404	5	11	0.00	0.00		-3370 -3386 -1892 -1852
404	5	11	0.00	0.00		-3387 -3388 -1964 -1928
404	5	11	0.00	0.00		-3389 -3390 -2036 -2000
404	5	11	0.00	0.00		-3391 -3392 -2108 -2072
404	5	11	0.00	0.00		-3393 -3394 -2180 -2144
404	5	11	0.00	0.00		-3395 -3396 -2252 -2216
404	5	11	0.00	0.00		-3397 -3398 -2324 -2288
404	5	11	0.00	0.00		-3399 -3400 -2396 -2360
404	5	11	0.00	0.00		-3401 -3402 -1851 -2432
404	5	11	0.00	0.00		-2203 -2239 -2240 -2204
404	5	11	0.00	0.00		-2205 -2241 -2242 -2206
404	5	11	0.00	0.00		-2207 -2243 -2244 -2208
404	5	11	0.00	0.00		-2209 -2245 -2246 -2210
404	5	11	0.00	0.00		-2211 -2247 -2248 -2212
404	5	11	0.00	0.00		-2213 -2249 -2250 -2214
404	5	11	0.00	0.00		-2215 -2251 -3396 -3395
404	5	11	0.00	0.00		-2217 -2253 -2254 -2218
404	5	11	0.00	0.00		-2219 -2255 -2256 -2220
404	5	11	0.00	0.00		-1777 -1779 -2257 -2221
404	5	11	0.00	0.00		-2222 -2258 -2259 -2223
404	5	11	0.00	0.00		-2224 -2260 -2261 -2225
404	5	11	0.00	0.00		-2226 -2262 -2263 -2227
404	5	11	0.00	0.00		-2228 -2264 -2265 -2229
404	5	11	0.00	0.00		-2230 -2266 -2267 -2231
404	5	11	0.00	0.00		-2232 -2268 -2269 -2233
404	5	11	0.00	0.00		-2234 -2270 -2271 -2235
404	5	11	0.00	0.00		-2236 -2272 -2273 -2237
404	5	11	0.00	0.00		-2238 -2274 -2275 -2239
404	5	11	0.00	0.00		-2240 -2276 -2277 -2241
404	5	11	0.00	0.00		-2242 -2278 -2279 -2243
404	5	11	0.00	0.00		-2244 -2280 -2281 -2245
404	5	11	0.00	0.00		-2246 -2282 -2283 -2247
404	5	11	0.00	0.00		-1790 -1861 -1862 -1792
404	5	11	0.00	0.00		-1794 -1863 -1864 -1796
404	5	11	0.00	0.00		-1798 -1865 -1866 -1800
404	5	11	0.00	0.00		-1802 -1867 -1868 -1804
404	5	11	0.00	0.00		-1806 -1869 -1870 -1808
404	5	11	0.00	0.00		-1810 -1871 -1872 -1812
404	5	11	0.00	0.00		-1814 -1873 -1874 -1816
404	5	11	0.00	0.00		-1818 -1875 -1876 -1820
404	5	11	0.00	0.00		-1822 -1877 -1878 -1824
404	5	11	0.00	0.00		-1826 -1879 -1880 -1828
404	5	11	0.00	0.00		-1830 -1881 -1882 -1832
404	5	11	0.00	0.00		-1834 -1883 -1884 -1836
404	5	11	0.00	0.00		-1838 -1885 -1886 -1840
404	5	11	0.00	0.00		-1842 -1887 -1888 -1844
404	5	11	0.00	0.00		-1846 -1889 -1890 -1848
404	5	11	0.00	0.00		-1850 -1891 -3386 -3370
404	5	11	0.00	0.00		-1854 -1893 -1894 -1856
404	5	11	0.00	0.00		-1858 -1895 -1896 -1860
404	5	11	0.00	0.00		-1757 -1759 -1897 -1861
404	5	11	0.00	0.00		-1862 -1898 -1899 -1863
404	5	11	0.00	0.00		-1864 -1900 -1901 -1865
404	5	11	0.00	0.00		-1866 -1902 -1903 -1867
404	5	11	0.00	0.00		-1868 -1904 -1905 -1869
404	5	11	0.00	0.00		-1870 -1906 -1907 -1871
404	5	11	0.00	0.00		-1872 -1908 -1909 -1873
404	5	11	0.00	0.00		-1874 -1910 -1911 -1875
404	5	11	0.00	0.00		-1876 -1912 -1913 -1877
404	5	11	0.00	0.00		-1878 -1914 -1915 -1879
404	5	11	0.00	0.00		-1880 -1916 -1917 -1881

404	5	11	0.00	0.00		-2151 -2187 -2188 -2152
404	5	11	0.00	0.00		-2153 -2189 -2190 -2154
404	5	11	0.00	0.00		-2155 -2191 -2192 -2156
404	5	11	0.00	0.00		-2157 -2193 -2194 -2158
404	5	11	0.00	0.00		-2159 -2195 -2196 -2160
404	5	11	0.00	0.00		-2161 -2197 -2198 -2162
404	5	11	0.00	0.00		-2163 -2199 -2200 -2164
404	5	11	0.00	0.00		-2165 -2201 -2202 -2166
404	5	11	0.00	0.00		-2167 -2203 -2204 -2168
404	5	11	0.00	0.00		-2169 -2205 -2206 -2170
404	5	11	0.00	0.00		-2171 -2207 -2208 -2172
404	5	11	0.00	0.00		-2173 -2209 -2210 -2174
404	5	11	0.00	0.00		-2175 -2211 -2212 -2176
404	5	11	0.00	0.00		-2177 -2213 -2214 -2178
404	5	11	0.00	0.00		-2179 -2215 -3395 -3394
404	5	11	0.00	0.00		-2181 -2217 -2218 -2182
404	5	11	0.00	0.00		-2183 -2219 -2220 -2184
404	5	11	0.00	0.00		-1775 -1777 -2221 -2185
404	5	11	0.00	0.00		-3386 -3387 -1928 -1892
404	5	11	0.00	0.00		-3388 -3389 -2000 -1964
404	5	11	0.00	0.00		-3390 -3391 -2072 -2036
404	5	11	0.00	0.00		-3392 -3393 -2144 -2108
404	5	11	0.00	0.00		-3394 -3395 -2216 -2180
404	5	11	0.00	0.00		-3396 -3397 -2288 -2252
404	5	11	0.00	0.00		-3398 -3399 -2360 -2324
404	5	11	0.00	0.00		-3400 -3401 -2432 -2396
404	5	11	0.00	0.00		-2202 -2238 -2239 -2203
404	5	11	0.00	0.00		-2204 -2240 -2241 -2205
404	5	11	0.00	0.00		-2206 -2242 -2243 -2207
404	5	11	0.00	0.00		-2208 -2244 -2245 -2209
404	5	11	0.00	0.00		-2210 -2246 -2247 -2211
404	5	11	0.00	0.00		-2212 -2248 -2249 -2213
404	5	11	0.00	0.00		-2214 -2250 -2251 -2215
404	5	11	0.00	0.00		-2216 -2252 -2253 -2217
404	5	11	0.00	0.00		-2218 -2254 -2255 -2219
404	5	11	0.00	0.00		-2220 -2256 -1778 -1776
404	5	11	0.00	0.00		-2221 -2257 -2258 -2222
404	5	11	0.00	0.00		-2223 -2259 -2260 -2224
404	5	11	0.00	0.00		-2225 -2261 -2262 -2226
404	5	11	0.00	0.00		-2227 -2263 -2264 -2228
404	5	11	0.00	0.00		-2229 -2265 -2266 -2230
404	5	11	0.00	0.00		-2231 -2267 -2268 -2232
404	5	11	0.00	0.00		-2233 -2269 -2270 -2234
404	5	11	0.00	0.00		-2235 -2271 -2272 -2236
404	5	11	0.00	0.00		-2237 -2273 -2274 -2238
404	5	11	0.00	0.00		-2239 -2275 -2276 -2240
404	5	11	0.00	0.00		-2241 -2277 -2278 -2242
404	5	11	0.00	0.00		-2243 -2279 -2280 -2244
404	5	11	0.00	0.00		-2245 -2281 -2282 -2246
404	5	11	0.00	0.00		-2247 -2283 -2284 -2248
404	5	11	0.00	0.00		-1792 -1862 -1863 -1794
404	5	11	0.00	0.00		-1796 -1864 -1865 -1798
404	5	11	0.00	0.00		-1800 -1866 -1867 -1802
404	5	11	0.00	0.00		-1804 -1868 -1869 -1806
404	5	11	0.00	0.00		-1808 -1870 -1871 -1810
404	5	11	0.00	0.00		-1812 -1872 -1873 -1814
404	5	11	0.00	0.00		-1816 -1874 -1875 -1818
404	5	11	0.00	0.00		-1820 -1876 -1877 -1822
404	5	11	0.00	0.00		-1824 -1878 -1879 -1826
404	5	11	0.00	0.00		-1828 -1880 -1881 -1830
404	5	11	0.00	0.00		-1832 -1882 -1883 -1834
404	5	11	0.00	0.00		-1836 -1884 -1885 -1838
404	5	11	0.00	0.00		-1840 -1886 -1887 -1842
404	5	11	0.00	0.00		-1844 -1888 -1889 -1846
404	5	11	0.00	0.00		-1848 -1890 -1891 -1850
404	5	11	0.00	0.00		-1852 -1892 -1893 -1854
404	5	11	0.00	0.00		-1856 -1894 -1895 -1858
404	5	11	0.00	0.00		-1860 -1896 -1758 217
404	5	11	0.00	0.00		-1861 -1897 -1898 -1862
404	5	11	0.00	0.00		-1863 -1899 -1900 -1864
404	5	11	0.00	0.00		-1865 -1901 -1902 -1866
404	5	11	0.00	0.00		-1867 -1903 -1904 -1868
404	5	11	0.00	0.00		-1869 -1905 -1906 -1870
404	5	11	0.00	0.00		-1871 -1907 -1908 -1872
404	5	11	0.00	0.00		-1873 -1909 -1910 -1874
404	5	11	0.00	0.00		-1875 -1911 -1912 -1876
404	5	11	0.00	0.00		-1877 -1913 -1914 -1878
404	5	11	0.00	0.00		-1879 -1915 -1916 -1880
404	5	11	0.00	0.00		-1881 -1917 -1918 -1882

404	5	11	0.00	0.00		-1882 -1918 -1919 -1883
404	5	11	0.00	0.00		-1884 -1920 -1921 -1885
404	5	11	0.00	0.00		-1886 -1922 -1923 -1887
404	5	11	0.00	0.00		-1888 -1924 -1925 -1889
404	5	11	0.00	0.00		-1890 -1926 -1927 -1891
404	5	11	0.00	0.00		-1892 -1928 -1929 -1893
404	5	11	0.00	0.00		-1894 -1930 -1931 -1895
404	5	11	0.00	0.00		-1896 -1932 -1760 -1758

404	5	11	0.00	0.00		-1883 -1919 -1920 -1884
404	5	11	0.00	0.00		-1885 -1921 -1922 -1886
404	5	11	0.00	0.00		-1887 -1923 -1924 -1888
404	5	11	0.00	0.00		-1889 -1925 -1926 -1890
404	5	11	0.00	0.00		-1891 -1927 -3387 -3386
404	5	11	0.00	0.00		-1893 -1929 -1930 -1894
404	5	11	0.00	0.00		-1895 -1931 -1932 -1896

Carichi

Elenco tipi CCE

Simbologia

Tipo CCE = Tipo condizione di carico elementare
Comm. = Commento
Tipo = Tipologia
G = Permanente
Qv = Variabile vento
Q = Variabile
I = Da ignorare
A = Azione eccezionale
P = Precompressione
Durata = Durata del carico
N = Non definita
P = Permanente
L = Lunga
M = Media
B = Breve
I = Istantanea
γ min. = Coeff. $\gamma_{min.}$
γ max = Coeff. γ_{max}
ψ_0 = Coeff. ψ_0
ψ_1 = Coeff. ψ_1
ψ_2 = Coeff. ψ_2
$\psi_{0,s}$ = Coeff. ψ_0 sismico (D.M. 96)

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	ψ_0	ψ_1	ψ_2	$\psi_{0,s}$
23	Reazioni vincolari	G	N	1.00	1.00				
1	D.M. 18 Permanenti strutturali	G	P	1.00	1.30				
2	D.M. 18 Permanenti non strutturali	G	L	0.80	1.50				
21	Tandem distrubuito	Q	N	1.35	1.35	0.75	0.40	0.00	0.00
22	Incremento sismico terreno	Q	N	1.00	1.00	0.00	0.00	0.00	0.00

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
Comm. = Commento
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Sic. = Contributo alla sicurezza
F = a favore
S = a sfavore
A = ambigua
Var. = Tipo di variabilità
B = di base
I = indipendente
A = ambigua
s = Coeff. di riduzione (T.A. o S.L. D.M. 96)
Dir. = Direzione del vento
Tipo = Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Mx = Moltiplicatore della massa in dir. X
My = Moltiplicatore della massa in dir. Y
Mz = Moltiplicatore della massa in dir. Z
Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1	peso proprio	1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
2	Peso Terreno e Pav.	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
3	Spinta terreno statica	2	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
4	spinta sovraccarico	21	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00

5	Spinta sismica tereno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
6	SLU env max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
7	SLU Env Min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
8	SLE rara Max	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
9	SLE Rara min	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
10	SLE q. permanente	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00
11	SLV +Y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
12	SLV -Y	23	S	--	1.00	--	--	0.00	0.00	0.00	0.00	0.00	0.00
13	Spinta inerziale terreno	22	S	B	1.00	--	--	0.00	0.00	0.00	0.00	0.00	1.00

Elenco carichi nodiCondizione di carico n. 6: SLU env max
Carichi concentrati

Simbologia
Nodo = Numero del nodo
Fx = Componente X della forza applicata
Fy = Componente Y della forza applicata
Fz = Componente Z della forza applicata
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	61900.00	0.00	0.00	0.00
254	0.00	13000.00	65300.00	0.00	0.00	0.00
264	0.00	0.00	82200.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	61600.00	0.00	0.00	0.00
260	0.00	0.00	69300.00	0.00	0.00	0.00

Condizione di carico n. 7: SLU Env Min
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	66400.00	0.00	0.00	0.00
254	0.00	5200.00	64600.00	0.00	0.00	0.00
264	0.00	0.00	77100.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	58900.00	0.00	0.00	0.00
260	0.00	0.00	65800.00	0.00	0.00	0.00

Condizione di carico n. 8: SLE rara Max
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	51600.00	0.00	0.00	0.00
254	0.00	8690.00	46600.00	0.00	0.00	0.00
264	0.00	0.00	58600.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	44200.00	0.00	0.00	0.00
260	0.00	0.00	49300.00	0.00	0.00	0.00

Condizione di carico n. 9: SLE Rara min
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	46700.00	0.00	0.00	0.00
254	0.00	2900.00	46100.00	0.00	0.00	0.00
264	0.00	0.00	54800.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	41500.00	0.00	0.00	0.00
260	0.00	0.00	46800.00	0.00	0.00	0.00

Condizione di carico n. 10: SLE q. permanente
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	47600.00	0.00	0.00	0.00
254	0.00	0.00	40300.00	0.00	0.00	0.00
264	0.00	0.00	39700.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	47400.00	0.00	0.00	0.00
260	0.00	0.00	40300.00	0.00	0.00	0.00

Condizione di carico n. 11: SLV +Y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	59700.00	0.00	0.00	0.00
254	0.00	-120300.00	52400.00	0.00	0.00	0.00
264	0.00	0.00	58100.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	74400.00	0.00	0.00	0.00
260	0.00	0.00	70000.00	0.00	0.00	0.00

Condizione di carico n. 12: SLV -Y
Carichi concentrati

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
222	0.00	0.00	59700.00	0.00	0.00	0.00
254	0.00	120300.00	52400.00	0.00	0.00	0.00

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
223	0.00	0.00	74400.00	0.00	0.00	0.00
260	0.00	0.00	70000.00	0.00	0.00	0.00

264	0.00	0.00	58100.00	0.00	0.00	0.00

Elenco carichi asteCondizione di carico n. 1: peso proprio
Elenco peso proprio aste

Simbologia
Sez. =Numero della sezione
Comm. =Commento
A =Area
Mat. =Materiale
P =Peso specifico
PL =Peso specifico a metro lineare

Sez.	Comm.	A <cmq>	Mat.	P <daN/mc>	PL <daN/m>
6	baggioli	5000.000000	Baggioli	0.00	0.00

Elenco carichi elementi bidimensionaliElenco peso proprio elementi bidimensionali

Simbologia
Tb =Numero del tipo muro/elemento bidimensionale
Comm. =Commento
Spess. =Spessore
Mat. =Materiale
P =Peso specifico
PQ =Peso specifico per unità di superficie

Tb	Comm.	Spess. <cm>	Mat.	P <daN/mc>	PQ <daN/mq>
1	Muri d'ala anteriori sp.30cm	30.00	Calcestruzzo classe C32/40	2500.00	750.00
2	Murofusto spalla sp.1.5m	150.00	Calcestruzzo classe C30/37	2500.00	3750.00
3	Paraghiaia sp.0.5m	50.00	Calcestruzzo classe C32/40	2500.00	1250.00
4	plinto spalla sp.1.5m	150.00	Calcestruzzo classe C20/25	2500.00	3750.00
5	soletta di copertura sp,0.5m	50.00	Calcestruzzo classe C32/40	2500.00	1250.00
6	Setto posteriore sp.0.5m	50.00	Calcestruzzo classe C32/40	2500.00	1250.00
7	Muri d'ala tergali sp.0.5m	50.00	Calcestruzzo classe C32/40	2500.00	1250.00

Condizione di carico n. 2: Peso Terreno e Pav.
Carichi uniformi

Simbologia
Bid. =Numero del muro/elemento bidimensionale
N1 =Nodo1
N2 =Nodo2
N3 =Nodo3
N4 =Nodo4
T =Tipo di carico
PP = Peso proprio
VE = Vento
M = Manuale
DC =Direzione del carico
G = secondo gli assi globali
L = secondo gli assi locali
Qx =Carico in dir. X
Qy =Carico in dir. Y
Qz =Carico in dir. Z

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
110	-1446	-1450	-1426	-1424	M	G	0.00	0.00	900.00
110	-1438	-1442	-1422	-1420	M	G	0.00	0.00	900.00
110	-1434	-1438	-1420	217	M	G	0.00	0.00	900.00
110	-1442	-1446	-1424	-1422	M	G	0.00	0.00	900.00
110	-1450	-1433	221	-1426	M	G	0.00	0.00	900.00
112	-1563	-1575	-1502	-1501	M	G	0.00	0.00	900.00
112	-1575	-1587	-1503	-1502	M	G	0.00	0.00	900.00
112	-1539	-1551	-1500	-1499	M	G	0.00	0.00	900.00
112	-1527	-1539	-1499	103	M	G	0.00	0.00	900.00
112	-1587	-1526	120	-1503	M	G	0.00	0.00	900.00
112	-1551	-1563	-1501	-1500	M	G	0.00	0.00	900.00
114	-1615	-1619	-1595	-1593	M	G	0.00	0.00	900.00
114	-1607	-1611	-1591	-1589	M	G	0.00	0.00	900.00
114	-1611	-1615	-1593	-1591	M	G	0.00	0.00	900.00
114	-1619	-1602	219	-1595	M	G	0.00	0.00	900.00
114	-1603	-1607	-1589	205	M	G	0.00	0.00	900.00
115	-1756	-1695	118	-1672	M	G	0.00	0.00	900.00
115	-1720	-1732	-1670	-1669	M	G	0.00	0.00	900.00
115	-1696	-1708	-1668	14	M	G	0.00	0.00	900.00

115	-1708	-1720	-1669	-1668	M	G	0.00	0.00	900.00
115	-1732	-1744	-1671	-1670	M	G	0.00	0.00	900.00
115	-1744	-1756	-1672	-1671	M	G	0.00	0.00	900.00
117	-2532	-2536	-1820	-1818	M	G	0.00	0.00	900.00
117	-2548	-3364	-1828	-1826	M	G	0.00	0.00	900.00
117	-2488	-2492	-1798	-1796	M	G	0.00	0.00	900.00
117	-2612	-2616	-1860	-1858	M	G	0.00	0.00	900.00
117	-2556	-2560	-1832	-1830	M	G	0.00	0.00	900.00
117	-2596	-3369	-3370	-1850	M	G	0.00	0.00	900.00
117	-2564	-2568	-1836	-1834	M	G	0.00	0.00	900.00
117	-2476	-2480	-1792	-1790	M	G	0.00	0.00	900.00
117	-2524	-2528	-1816	-1814	M	G	0.00	0.00	900.00
117	-2484	-2488	-1796	-1794	M	G	0.00	0.00	900.00
117	-2576	-2580	-1842	-1840	M	G	0.00	0.00	900.00
117	-2580	-2584	-1844	-1842	M	G	0.00	0.00	900.00
117	-2496	-2500	-1802	-1800	M	G	0.00	0.00	900.00
117	-2544	-2548	-1826	-1824	M	G	0.00	0.00	900.00
117	-2552	-2556	-1830	-1828	M	G	0.00	0.00	900.00
117	-3369	-2600	-1852	-3370	M	G	0.00	0.00	900.00
117	-2504	-2508	-1806	-1804	M	G	0.00	0.00	900.00
117	-2592	-2596	-1850	-1848	M	G	0.00	0.00	900.00
117	-2608	-2612	-1858	-1856	M	G	0.00	0.00	900.00
117	-2568	-2572	-1838	-1836	M	G	0.00	0.00	900.00
117	-3364	-2552	-1828	-1828	M	G	0.00	0.00	900.00
117	-2560	-2564	-1834	-1832	M	G	0.00	0.00	900.00
117	-2572	-2576	-1840	-1838	M	G	0.00	0.00	900.00
117	-2520	-2524	-1814	-1812	M	G	0.00	0.00	900.00
117	-2540	-2544	-1824	-1822	M	G	0.00	0.00	900.00
117	-2508	-2512	-1808	-1806	M	G	0.00	0.00	900.00
117	-2588	-2592	-1848	-1846	M	G	0.00	0.00	900.00
117	-2500	-2504	-1804	-1802	M	G	0.00	0.00	900.00
117	-2480	-2484	-1794	-1792	M	G	0.00	0.00	900.00
117	-2512	-2516	-1810	-1808	M	G	0.00	0.00	900.00
117	-2528	-2532	-1818	-1816	M	G	0.00	0.00	900.00
117	-2616	-1434	217	-1860	M	G	0.00	0.00	900.00
117	-2604	-2608	-1856	-1854	M	G	0.00	0.00	900.00
117	-1603	-2476	-1790	205	M	G	0.00	0.00	900.00
117	-2492	-2496	-1800	-1798	M	G	0.00	0.00	900.00
117	-2536	-2540	-1822	-1820	M	G	0.00	0.00	900.00
117	-2584	-2588	-1846	-1844	M	G	0.00	0.00	900.00
117	-2516	-2520	-1812	-1810	M	G	0.00	0.00	900.00
117	-2600	-2604	-1854	-1852	M	G	0.00	0.00	900.00
118	-3094	-3106	-1831	-1833	M	G	0.00	0.00	900.00
118	-3082	-3094	-1833	-1835	M	G	0.00	0.00	900.00
118	-3130	-3142	-1825	-1827	M	G	0.00	0.00	900.00
118	-3142	-3154	-1823	-1825	M	G	0.00	0.00	900.00
118	-2938	-2950	-1857	-1857	M	G	0.00	0.00	900.00
118	-3118	-3130	-1827	-1829	M	G	0.00	0.00	900.00
118	-2962	-2974	-1853	-1855	M	G	0.00	0.00	900.00
118	-2986	-3403	-3402	-1851	M	G	0.00	0.00	900.00
118	-3010	-3022	-1845	-1847	M	G	0.00	0.00	900.00
118	-1527	-2926	-1859	103	M	G	0.00	0.00	900.00
118	-2950	-2962	-1855	-1857	M	G	0.00	0.00	900.00
118	-3070	-3082	-1835	-1837	M	G	0.00	0.00	900.00
118	-2974	-2986	-1851	-1853	M	G	0.00	0.00	900.00
118	-3034	-3046	-1841	-1843	M	G	0.00	0.00	900.00
118	-3106	-3118	-1829	-1831	M	G	0.00	0.00	900.00
118	-3046	-3058	-1839	-1841	M	G	0.00	0.00	900.00
118	-2926	-2938	-1857	-1859	M	G	0.00	0.00	900.00
118	-3058	-3070	-1837	-1839	M	G	0.00	0.00	900.00
118	-3022	-3034	-1843	-1845	M	G	0.00	0.00	900.00
118	-2998	-3010	-1847	-1849	M	G	0.00	0.00	900.00
118	-3403	-2998	-1849	-3402	M	G	0.00	0.00	900.00
119	-3322	-3334	-1793	-1795	M	G	0.00	0.00	900.00
119	-3310	-3322	-1795	-1797	M	G	0.00	0.00	900.00
119	-3262	-3274	-1803	-1805	M	G	0.00	0.00	900.00
119	-3214	-3226	-1811	-1813	M	G	0.00	0.00	900.00
119	-3190	-3202	-1815	-1817	M	G	0.00	0.00	900.00
119	-3154	-3166	-1821	-1823	M	G	0.00	0.00	900.00
119	-3346	-3358	-1789	-1791	M	G	0.00	0.00	900.00
119	-3166	-3178	-1819	-1821	M	G	0.00	0.00	900.00
119	-3250	-3262	-1805	-1807	M	G	0.00	0.00	900.00
119	-3202	-3214	-1813	-1815	M	G	0.00	0.00	900.00
119	-3358	-1696	14	-1789	M	G	0.00	0.00	900.00
119	-3286	-3298	-1799	-1801	M	G	0.00	0.00	900.00
119	-3334	-3346	-1791	-1793	M	G	0.00	0.00	900.00
119	-3238	-3250	-1807	-1809	M	G	0.00	0.00	900.00
119	-3178	-3190	-1817	-1819	M	G	0.00	0.00	900.00
119	-3226	-3238	-1809	-1811	M	G	0.00	0.00	900.00

119	-3274	-3286	-1801	-1803	M	G	0.00	0.00	900.00
119	-3298	-3310	-1797	-1799	M	G	0.00	0.00	900.00
403	-910	-916	-917	-911	M	G	0.00	0.00	10900.00
403	-871	-877	-76	-74	M	G	0.00	0.00	10900.00
403	-882	-888	-889	-883	M	G	0.00	0.00	10900.00
403	-914	-920	-921	-915	M	G	0.00	0.00	10900.00
403	-919	-925	-92	-90	M	G	0.00	0.00	10900.00
403	-887	-893	-894	-888	M	G	0.00	0.00	10900.00
403	-886	-892	-893	-887	M	G	0.00	0.00	10900.00
403	-720	-721	-878	-872	M	G	0.00	0.00	10900.00
403	-883	-889	-80	-78	M	G	0.00	0.00	10900.00
403	-881	-887	-888	-882	M	G	0.00	0.00	10900.00
403	276	-886	-887	-881	M	G	0.00	0.00	10900.00
403	-728	-729	-926	-920	M	G	0.00	0.00	10900.00
403	-872	-878	-879	-873	M	G	0.00	0.00	10900.00
403	-918	-924	-925	-919	M	G	0.00	0.00	10900.00
403	275	-928	-929	-923	M	G	0.00	0.00	10900.00
403	-911	-917	-918	-912	M	G	0.00	0.00	10900.00
403	-909	-915	-916	-910	M	G	0.00	0.00	10900.00
403	-885	-891	-892	-886	M	G	0.00	0.00	10900.00
403	-906	-912	-913	-907	M	G	0.00	0.00	10900.00
403	-905	-911	-912	-906	M	G	0.00	0.00	10900.00
403	-902	-908	-909	-903	M	G	0.00	0.00	10900.00
403	-727	-728	-920	-914	M	G	0.00	0.00	10900.00
403	-920	-926	-927	-921	M	G	0.00	0.00	10900.00
403	-895	-901	-84	-82	M	G	0.00	0.00	10900.00
403	-890	-896	-897	-891	M	G	0.00	0.00	10900.00
403	-878	-884	-885	-879	M	G	0.00	0.00	10900.00
403	-721	-722	-884	-878	M	G	0.00	0.00	10900.00
403	-877	-883	-78	-76	M	G	0.00	0.00	10900.00
403	-876	-882	-883	-877	M	G	0.00	0.00	10900.00
403	-875	-881	-882	-876	M	G	0.00	0.00	10900.00
403	-879	-885	-886	276	M	G	0.00	0.00	10900.00
403	-870	-876	-877	-871	M	G	0.00	0.00	10900.00
403	-869	-875	-876	-870	M	G	0.00	0.00	10900.00
403	-954	-960	-961	-955	M	G	0.00	0.00	10900.00
403	-953	-959	-960	-954	M	G	0.00	0.00	10900.00
403	-952	-958	-959	-953	M	G	0.00	0.00	10900.00
403	-951	-957	-958	-952	M	G	0.00	0.00	10900.00
403	-950	-956	-957	-951	M	G	0.00	0.00	10900.00
403	-949	-955	-102	-100	M	G	0.00	0.00	10900.00
403	-948	-954	-955	-949	M	G	0.00	0.00	10900.00
403	-947	-953	-954	-948	M	G	0.00	0.00	10900.00
403	-946	-952	-953	-947	M	G	0.00	0.00	10900.00
403	-945	-951	-952	-946	M	G	0.00	0.00	10900.00
403	-944	-950	-951	-945	M	G	0.00	0.00	10900.00
403	-732	-733	-950	-944	M	G	0.00	0.00	10900.00
403	-943	-949	-100	-98	M	G	0.00	0.00	10900.00
403	-942	-948	-949	-943	M	G	0.00	0.00	10900.00
403	-724	-725	-902	-896	M	G	0.00	0.00	10900.00
403	-894	-900	-901	-895	M	G	0.00	0.00	10900.00
403	-940	-946	-947	-941	M	G	0.00	0.00	10900.00
403	-939	-945	-946	-940	M	G	0.00	0.00	10900.00
403	-938	-944	-945	-939	M	G	0.00	0.00	10900.00
403	-891	-897	-898	-892	M	G	0.00	0.00	10900.00
403	-731	-732	-944	-938	M	G	0.00	0.00	10900.00
403	-723	-724	-896	-890	M	G	0.00	0.00	10900.00
403	-936	-942	-943	-937	M	G	0.00	0.00	10900.00
403	-935	-941	-942	-936	M	G	0.00	0.00	10900.00
403	-934	-940	-941	-935	M	G	0.00	0.00	10900.00
403	-933	-939	-940	-934	M	G	0.00	0.00	10900.00
403	-932	-938	-939	-933	M	G	0.00	0.00	10900.00
403	-730	-731	-938	-932	M	G	0.00	0.00	10900.00
403	-931	-3416	-3415	-94	M	G	0.00	0.00	10900.00
403	-930	-3417	-3416	-931	M	G	0.00	0.00	10900.00
403	-929	-3418	-3417	-930	M	G	0.00	0.00	10900.00
403	-928	-3419	-3418	-929	M	G	0.00	0.00	10900.00
403	-927	-3420	-3419	-928	M	G	0.00	0.00	10900.00
403	-926	-3421	-3420	-927	M	G	0.00	0.00	10900.00
403	-729	-3422	-3421	-926	M	G	0.00	0.00	10900.00
403	-925	-931	-94	-92	M	G	0.00	0.00	10900.00
403	-924	-930	-931	-925	M	G	0.00	0.00	10900.00
403	-923	-929	-930	-924	M	G	0.00	0.00	10900.00
403	-915	-921	275	-916	M	G	0.00	0.00	10900.00
403	-916	275	-923	-917	M	G	0.00	0.00	10900.00
403	-917	-923	-924	-918	M	G	0.00	0.00	10900.00
403	-921	-927	-928	275	M	G	0.00	0.00	10900.00
403	-913	-919	-90	-88	M	G	0.00	0.00	10900.00
403	-912	-918	-919	-913	M	G	0.00	0.00	10900.00

403	-908	-914	-915	-909	M	G	0.00	0.00	10900.00
403	-726	-727	-914	-908	M	G	0.00	0.00	10900.00
403	-907	-913	-88	-86	M	G	0.00	0.00	10900.00
403	-904	-910	-911	-905	M	G	0.00	0.00	10900.00
403	-903	-909	-910	-904	M	G	0.00	0.00	10900.00
403	-900	-906	-907	-901	M	G	0.00	0.00	10900.00
403	-899	-905	-906	-900	M	G	0.00	0.00	10900.00
403	-898	-904	-905	-899	M	G	0.00	0.00	10900.00
403	-733	-734	-956	-950	M	G	0.00	0.00	10900.00
403	-941	-947	-948	-942	M	G	0.00	0.00	10900.00
403	-937	-943	-98	-96	M	G	0.00	0.00	10900.00
403	-964	274	-740	-965	M	G	0.00	0.00	10900.00
403	-967	-744	3	-105	M	G	0.00	0.00	10900.00
403	-966	-742	-744	-967	M	G	0.00	0.00	10900.00
403	-965	-740	-742	-966	M	G	0.00	0.00	10900.00
403	-962	20	-736	-963	M	G	0.00	0.00	10900.00
403	-735	40	20	-962	M	G	0.00	0.00	10900.00
403	-961	-967	-105	2	M	G	0.00	0.00	10900.00
403	-960	-966	-967	-961	M	G	0.00	0.00	10900.00
403	-959	-965	-966	-960	M	G	0.00	0.00	10900.00
403	-958	-964	-965	-959	M	G	0.00	0.00	10900.00
403	-957	-963	-964	-958	M	G	0.00	0.00	10900.00
403	-956	-962	-963	-957	M	G	0.00	0.00	10900.00
403	-734	-735	-962	-956	M	G	0.00	0.00	10900.00
403	-955	-961	2	-102	M	G	0.00	0.00	10900.00
403	-725	-726	-908	-902	M	G	0.00	0.00	10900.00
403	-901	-907	-86	-84	M	G	0.00	0.00	10900.00
403	-897	-903	-904	-898	M	G	0.00	0.00	10900.00
403	-896	-902	-903	-897	M	G	0.00	0.00	10900.00
403	-893	-899	-900	-894	M	G	0.00	0.00	10900.00
403	-892	-898	-899	-893	M	G	0.00	0.00	10900.00
403	-889	-895	-82	-80	M	G	0.00	0.00	10900.00
403	-888	-894	-895	-889	M	G	0.00	0.00	10900.00
403	-884	-890	-891	-885	M	G	0.00	0.00	10900.00
403	-722	-723	-890	-884	M	G	0.00	0.00	10900.00
403	-873	-879	276	-874	M	G	0.00	0.00	10900.00
403	-874	276	-881	-875	M	G	0.00	0.00	10900.00
403	-868	-874	-875	-869	M	G	0.00	0.00	10900.00
403	-867	-873	-874	-868	M	G	0.00	0.00	10900.00
403	-866	-872	-873	-867	M	G	0.00	0.00	10900.00
403	-719	-720	-872	-866	M	G	0.00	0.00	10900.00
403	-865	-871	-74	-72	M	G	0.00	0.00	10900.00
403	-864	-870	-871	-865	M	G	0.00	0.00	10900.00
403	-863	-869	-870	-864	M	G	0.00	0.00	10900.00
403	-862	-868	-869	-863	M	G	0.00	0.00	10900.00
403	-861	-867	-868	-862	M	G	0.00	0.00	10900.00
403	-860	-866	-867	-861	M	G	0.00	0.00	10900.00
403	-718	-719	-866	-860	M	G	0.00	0.00	10900.00
403	-859	-865	-72	-70	M	G	0.00	0.00	10900.00
403	-858	-864	-865	-859	M	G	0.00	0.00	10900.00
403	-854	-860	-861	-855	M	G	0.00	0.00	10900.00
403	-717	-718	-860	-854	M	G	0.00	0.00	10900.00
403	-850	-856	-857	-851	M	G	0.00	0.00	10900.00
403	-849	-855	-856	-850	M	G	0.00	0.00	10900.00
403	-846	-852	-853	-847	M	G	0.00	0.00	10900.00
403	-845	-851	-852	-846	M	G	0.00	0.00	10900.00
403	-715	-716	-848	-842	M	G	0.00	0.00	10900.00
403	-841	-847	-66	-64	M	G	0.00	0.00	10900.00
403	-840	-846	-847	-841	M	G	0.00	0.00	10900.00
403	-839	-845	-846	-840	M	G	0.00	0.00	10900.00
403	-838	-844	-845	-839	M	G	0.00	0.00	10900.00
403	-837	-843	-844	-838	M	G	0.00	0.00	10900.00
403	-836	-842	-843	-837	M	G	0.00	0.00	10900.00
403	-714	-715	-842	-836	M	G	0.00	0.00	10900.00
403	-835	-841	-64	-62	M	G	0.00	0.00	10900.00
403	-834	-840	-841	-835	M	G	0.00	0.00	10900.00
403	-833	-839	-840	-834	M	G	0.00	0.00	10900.00
403	-825	-831	277	-826	M	G	0.00	0.00	10900.00
403	-826	277	-833	-827	M	G	0.00	0.00	10900.00
403	-830	-836	-837	-831	M	G	0.00	0.00	10900.00
403	-713	-714	-836	-830	M	G	0.00	0.00	10900.00
403	-829	-835	-62	-60	M	G	0.00	0.00	10900.00
403	-828	-834	-835	-829	M	G	0.00	0.00	10900.00
403	-827	-833	-834	-828	M	G	0.00	0.00	10900.00
403	-831	-837	-838	277	M	G	0.00	0.00	10900.00
403	277	-838	-839	-833	M	G	0.00	0.00	10900.00
403	-823	-829	-60	-58	M	G	0.00	0.00	10900.00
403	-822	-828	-829	-823	M	G	0.00	0.00	10900.00
403	-821	-827	-828	-822	M	G	0.00	0.00	10900.00

403	-818	-824	-825	-819	M	G	0.00	0.00	10900.00
403	-711	-712	-824	-818	M	G	0.00	0.00	10900.00
403	-817	-823	-58	-56	M	G	0.00	0.00	10900.00
403	-806	-812	-813	-807	M	G	0.00	0.00	10900.00
403	-791	-797	-798	-792	M	G	0.00	0.00	10900.00
403	-783	-789	278	-784	M	G	0.00	0.00	10900.00
403	-784	278	-791	-785	M	G	0.00	0.00	10900.00
403	-788	-794	-795	-789	M	G	0.00	0.00	10900.00
403	-706	-707	-794	-788	M	G	0.00	0.00	10900.00
403	-787	-793	-48	-46	M	G	0.00	0.00	10900.00
403	-786	-792	-793	-787	M	G	0.00	0.00	10900.00
403	-785	-791	-792	-786	M	G	0.00	0.00	10900.00
403	-789	-795	-796	278	M	G	0.00	0.00	10900.00
403	278	-796	-797	-791	M	G	0.00	0.00	10900.00
403	-782	-788	-789	-783	M	G	0.00	0.00	10900.00
403	-705	-706	-788	-782	M	G	0.00	0.00	10900.00
403	-781	-787	-46	-44	M	G	0.00	0.00	10900.00
403	-780	-786	-787	-781	M	G	0.00	0.00	10900.00
403	-779	-785	-786	-780	M	G	0.00	0.00	10900.00
403	-778	-784	-785	-779	M	G	0.00	0.00	10900.00
403	-777	-783	-784	-778	M	G	0.00	0.00	10900.00
403	-776	-782	-783	-777	M	G	0.00	0.00	10900.00
403	-704	-705	-782	-776	M	G	0.00	0.00	10900.00
403	-775	-781	-44	-42	M	G	0.00	0.00	10900.00
403	-774	-780	-781	-775	M	G	0.00	0.00	10900.00
403	-773	-779	-780	-774	M	G	0.00	0.00	10900.00
403	-772	-778	-779	-773	M	G	0.00	0.00	10900.00
403	-771	-777	-778	-772	M	G	0.00	0.00	10900.00
403	-702	-703	-770	-764	M	G	0.00	0.00	10900.00
403	-759	-765	-766	-760	M	G	0.00	0.00	10900.00
403	-758	-764	-765	-759	M	G	0.00	0.00	10900.00
403	-701	-702	-764	-758	M	G	0.00	0.00	10900.00
403	-757	-763	-38	-36	M	G	0.00	0.00	10900.00
403	-756	-762	-763	-757	M	G	0.00	0.00	10900.00
403	-755	-761	-762	-756	M	G	0.00	0.00	10900.00
403	-754	-760	-761	-755	M	G	0.00	0.00	10900.00
403	-752	-758	-759	-753	M	G	0.00	0.00	10900.00
403	-824	-830	-831	-825	M	G	0.00	0.00	10900.00
403	-712	-713	-830	-824	M	G	0.00	0.00	10900.00
403	48	-699	-746	18	M	G	0.00	0.00	10900.00
403	-820	-826	-827	-821	M	G	0.00	0.00	10900.00
403	-819	-825	-826	-820	M	G	0.00	0.00	10900.00
403	-816	-822	-823	-817	M	G	0.00	0.00	10900.00
403	-815	-821	-822	-816	M	G	0.00	0.00	10900.00
403	-814	-820	-821	-815	M	G	0.00	0.00	10900.00
403	-813	-819	-820	-814	M	G	0.00	0.00	10900.00
403	-812	-818	-819	-813	M	G	0.00	0.00	10900.00
403	-710	-711	-818	-812	M	G	0.00	0.00	10900.00
403	-811	-817	-56	-54	M	G	0.00	0.00	10900.00
403	-810	-816	-817	-811	M	G	0.00	0.00	10900.00
403	-856	-862	-863	-857	M	G	0.00	0.00	10900.00
403	-809	-815	-816	-810	M	G	0.00	0.00	10900.00
403	-808	-814	-815	-809	M	G	0.00	0.00	10900.00
403	-807	-813	-814	-808	M	G	0.00	0.00	10900.00
403	-709	-710	-812	-806	M	G	0.00	0.00	10900.00
403	-805	-811	-54	-52	M	G	0.00	0.00	10900.00
403	-804	-810	-811	-805	M	G	0.00	0.00	10900.00
403	-803	-809	-810	-804	M	G	0.00	0.00	10900.00
403	-963	-736	274	-964	M	G	0.00	0.00	10900.00
403	-802	-808	-809	-803	M	G	0.00	0.00	10900.00
403	-801	-807	-808	-802	M	G	0.00	0.00	10900.00
403	-800	-806	-807	-801	M	G	0.00	0.00	10900.00
403	-708	-709	-806	-800	M	G	0.00	0.00	10900.00
403	-799	-805	-52	-50	M	G	0.00	0.00	10900.00
403	-798	-804	-805	-799	M	G	0.00	0.00	10900.00
403	-797	-803	-804	-798	M	G	0.00	0.00	10900.00
403	-796	-802	-803	-797	M	G	0.00	0.00	10900.00
403	-795	-801	-802	-796	M	G	0.00	0.00	10900.00
403	-794	-800	-801	-795	M	G	0.00	0.00	10900.00
403	-707	-708	-800	-794	M	G	0.00	0.00	10900.00
403	-793	-799	-50	-48	M	G	0.00	0.00	10900.00
403	-792	-798	-799	-793	M	G	0.00	0.00	10900.00
403	-770	-776	-777	-771	M	G	0.00	0.00	10900.00
403	-703	-704	-776	-770	M	G	0.00	0.00	10900.00
403	-769	-775	-42	-40	M	G	0.00	0.00	10900.00
403	-768	-774	-775	-769	M	G	0.00	0.00	10900.00
403	-767	-773	-774	-768	M	G	0.00	0.00	10900.00
403	-766	-772	-773	-767	M	G	0.00	0.00	10900.00
403	-765	-771	-772	-766	M	G	0.00	0.00	10900.00

403	-764	-770	-771	-765	M	G	0.00	0.00	10900.00
403	-763	-769	-40	-38	M	G	0.00	0.00	10900.00
403	-762	-768	-769	-763	M	G	0.00	0.00	10900.00
403	-761	-767	-768	-762	M	G	0.00	0.00	10900.00
403	-760	-766	-767	-761	M	G	0.00	0.00	10900.00
403	-3416	-937	-96	-3415	M	G	0.00	0.00	10900.00
403	-3417	-936	-937	-3416	M	G	0.00	0.00	10900.00
403	-3418	-935	-936	-3417	M	G	0.00	0.00	10900.00
403	-3419	-934	-935	-3418	M	G	0.00	0.00	10900.00
403	-3420	-933	-934	-3419	M	G	0.00	0.00	10900.00
403	-3421	-932	-933	-3420	M	G	0.00	0.00	10900.00
403	-3422	-730	-932	-3421	M	G	0.00	0.00	10900.00
403	-753	-759	-760	-754	M	G	0.00	0.00	10900.00
403	-700	-701	-758	-752	M	G	0.00	0.00	10900.00
403	-751	-757	-36	-34	M	G	0.00	0.00	10900.00
403	-857	-863	-864	-858	M	G	0.00	0.00	10900.00
403	-855	-861	-862	-856	M	G	0.00	0.00	10900.00
403	-853	-859	-70	-68	M	G	0.00	0.00	10900.00
403	-852	-858	-859	-853	M	G	0.00	0.00	10900.00
403	-851	-857	-858	-852	M	G	0.00	0.00	10900.00
403	-848	-854	-855	-849	M	G	0.00	0.00	10900.00
403	-716	-717	-854	-848	M	G	0.00	0.00	10900.00
403	-847	-853	-68	-66	M	G	0.00	0.00	10900.00
403	-749	-755	-756	-750	M	G	0.00	0.00	10900.00
403	-844	-850	-851	-845	M	G	0.00	0.00	10900.00
403	-843	-849	-850	-844	M	G	0.00	0.00	10900.00
403	-842	-848	-849	-843	M	G	0.00	0.00	10900.00
403	-750	-756	-757	-751	M	G	0.00	0.00	10900.00
403	-741	-749	-750	-743	M	G	0.00	0.00	10900.00
403	-737	-747	-748	279	M	G	0.00	0.00	10900.00
403	279	-748	-749	-741	M	G	0.00	0.00	10900.00
403	18	-746	-747	-737	M	G	0.00	0.00	10900.00
403	-699	-700	-752	-746	M	G	0.00	0.00	10900.00
403	-745	-751	-34	4	M	G	0.00	0.00	10900.00
403	-743	-750	-751	-745	M	G	0.00	0.00	10900.00
403	-748	-754	-755	-749	M	G	0.00	0.00	10900.00
403	-747	-753	-754	-748	M	G	0.00	0.00	10900.00
403	-746	-752	-753	-747	M	G	0.00	0.00	10900.00
404	-1937	-1973	-1974	-1938	M	G	0.00	0.00	900.00
404	-1759	-1761	-1933	-1897	M	G	0.00	0.00	900.00
404	-1897	-1933	-1934	-1898	M	G	0.00	0.00	900.00
404	-1985	-2021	-2022	-1986	M	G	0.00	0.00	900.00
404	-1986	-2022	-2023	-1987	M	G	0.00	0.00	900.00
404	-1987	-2023	-2024	-1988	M	G	0.00	0.00	900.00
404	-1988	-2024	-2025	-1989	M	G	0.00	0.00	900.00
404	-1908	-1944	-1945	-1909	M	G	0.00	0.00	900.00
404	-1989	-2025	-2026	-1990	M	G	0.00	0.00	900.00
404	-1990	-2026	-2027	-1991	M	G	0.00	0.00	900.00
404	-1898	-1934	-1935	-1899	M	G	0.00	0.00	900.00
404	-1899	-1935	-1936	-1900	M	G	0.00	0.00	900.00
404	-1900	-1936	-1937	-1901	M	G	0.00	0.00	900.00
404	-1901	-1937	-1938	-1902	M	G	0.00	0.00	900.00
404	-1902	-1938	-1939	-1903	M	G	0.00	0.00	900.00
404	-1903	-1939	-1940	-1904	M	G	0.00	0.00	900.00
404	-1904	-1940	-1941	-1905	M	G	0.00	0.00	900.00
404	-1905	-1941	-1942	-1906	M	G	0.00	0.00	900.00
404	-1906	-1942	-1943	-1907	M	G	0.00	0.00	900.00
404	-1907	-1943	-1944	-1908	M	G	0.00	0.00	900.00
404	-1974	-2010	-2011	-1975	M	G	0.00	0.00	900.00
404	-1975	-2011	-2012	-1976	M	G	0.00	0.00	900.00
404	-1976	-2012	-2013	-1977	M	G	0.00	0.00	900.00
404	-1977	-2013	-2014	-1978	M	G	0.00	0.00	900.00
404	-1978	-2014	-2015	-1979	M	G	0.00	0.00	900.00
404	-1979	-2015	-2016	-1980	M	G	0.00	0.00	900.00
404	-1980	-2016	-2017	-1981	M	G	0.00	0.00	900.00
404	-1981	-2017	-2018	-1982	M	G	0.00	0.00	900.00
404	-1982	-2018	-2019	-1983	M	G	0.00	0.00	900.00
404	-1983	-2019	-2020	-1984	M	G	0.00	0.00	900.00
404	-1984	-2020	-2021	-1985	M	G	0.00	0.00	900.00
404	-1932	-1968	-1762	-1760	M	G	0.00	0.00	900.00
404	-1761	-1763	-1969	-1933	M	G	0.00	0.00	900.00
404	-1933	-1969	-1970	-1934	M	G	0.00	0.00	900.00
404	-1934	-1970	-1971	-1935	M	G	0.00	0.00	900.00
404	-1935	-1971	-1972	-1936	M	G	0.00	0.00	900.00
404	-1936	-1972	-1973	-1937	M	G	0.00	0.00	900.00
404	-1773	-1775	-2185	-2149	M	G	0.00	0.00	900.00
404	-1938	-1974	-1975	-1939	M	G	0.00	0.00	900.00
404	-1939	-1975	-1976	-1940	M	G	0.00	0.00	900.00
404	-1940	-1976	-1977	-1941	M	G	0.00	0.00	900.00

404	-1941	-1977	-1978	-1942	M	G	0.00	0.00	900.00
404	-1942	-1978	-1979	-1943	M	G	0.00	0.00	900.00
404	-1943	-1979	-1980	-1944	M	G	0.00	0.00	900.00
404	-1944	-1980	-1981	-1945	M	G	0.00	0.00	900.00
404	-1945	-1981	-1982	-1946	M	G	0.00	0.00	900.00
404	-1946	-1982	-1983	-1947	M	G	0.00	0.00	900.00
404	-1947	-1983	-1984	-1948	M	G	0.00	0.00	900.00
404	-1948	-1984	-1985	-1949	M	G	0.00	0.00	900.00
404	-1949	-1985	-1986	-1950	M	G	0.00	0.00	900.00
404	-1950	-1986	-1987	-1951	M	G	0.00	0.00	900.00
404	-1951	-1987	-1988	-1952	M	G	0.00	0.00	900.00
404	-1952	-1988	-1989	-1953	M	G	0.00	0.00	900.00
404	-1953	-1989	-1990	-1954	M	G	0.00	0.00	900.00
404	-1954	-1990	-1991	-1955	M	G	0.00	0.00	900.00
404	-1955	-1991	-1992	-1956	M	G	0.00	0.00	900.00
404	-1956	-1992	-1993	-1957	M	G	0.00	0.00	900.00
404	-1957	-1993	-1994	-1958	M	G	0.00	0.00	900.00
404	-1958	-1994	-1995	-1959	M	G	0.00	0.00	900.00
404	-1959	-1995	-1996	-1960	M	G	0.00	0.00	900.00
404	-1960	-1996	-1997	-1961	M	G	0.00	0.00	900.00
404	-1961	-1997	-1998	-1962	M	G	0.00	0.00	900.00
404	-1962	-1998	-1999	-1963	M	G	0.00	0.00	900.00
404	-1963	-1999	-3389	-3388	M	G	0.00	0.00	900.00
404	-1964	-2000	-2001	-1965	M	G	0.00	0.00	900.00
404	-1965	-2001	-2002	-1966	M	G	0.00	0.00	900.00
404	-1966	-2002	-2003	-1967	M	G	0.00	0.00	900.00
404	-1967	-2003	-2004	-1968	M	G	0.00	0.00	900.00
404	-1968	-2004	-1764	-1762	M	G	0.00	0.00	900.00
404	-1763	-1765	-2005	-1969	M	G	0.00	0.00	900.00
404	-1969	-2005	-2006	-1970	M	G	0.00	0.00	900.00
404	-1970	-2006	-2007	-1971	M	G	0.00	0.00	900.00
404	-1971	-2007	-2008	-1972	M	G	0.00	0.00	900.00
404	-1972	-2008	-2009	-1973	M	G	0.00	0.00	900.00
404	-1973	-2009	-2010	-1974	M	G	0.00	0.00	900.00
404	-2185	-2221	-2222	-2186	M	G	0.00	0.00	900.00
404	-2186	-2222	-2223	-2187	M	G	0.00	0.00	900.00
404	-2187	-2223	-2224	-2188	M	G	0.00	0.00	900.00
404	-2188	-2224	-2225	-2189	M	G	0.00	0.00	900.00
404	-2189	-2225	-2226	-2190	M	G	0.00	0.00	900.00
404	-2190	-2226	-2227	-2191	M	G	0.00	0.00	900.00
404	-2191	-2227	-2228	-2192	M	G	0.00	0.00	900.00
404	-2192	-2228	-2229	-2193	M	G	0.00	0.00	900.00
404	-2193	-2229	-2230	-2194	M	G	0.00	0.00	900.00
404	-2194	-2230	-2231	-2195	M	G	0.00	0.00	900.00
404	-2195	-2231	-2232	-2196	M	G	0.00	0.00	900.00
404	-2196	-2232	-2233	-2197	M	G	0.00	0.00	900.00
404	-2197	-2233	-2234	-2198	M	G	0.00	0.00	900.00
404	-2198	-2234	-2235	-2199	M	G	0.00	0.00	900.00
404	-2199	-2235	-2236	-2200	M	G	0.00	0.00	900.00
404	-2200	-2236	-2237	-2201	M	G	0.00	0.00	900.00
404	-2201	-2237	-2238	-2202	M	G	0.00	0.00	900.00
404	-1991	-2027	-2028	-1992	M	G	0.00	0.00	900.00
404	-1992	-2028	-2029	-1993	M	G	0.00	0.00	900.00
404	-1993	-2029	-2030	-1994	M	G	0.00	0.00	900.00
404	-1994	-2030	-2031	-1995	M	G	0.00	0.00	900.00
404	-1995	-2031	-2032	-1996	M	G	0.00	0.00	900.00
404	-1996	-2032	-2033	-1997	M	G	0.00	0.00	900.00
404	-1997	-2033	-2034	-1998	M	G	0.00	0.00	900.00
404	-1998	-2034	-2035	-1999	M	G	0.00	0.00	900.00
404	-1999	-2035	-3390	-3389	M	G	0.00	0.00	900.00
404	-2000	-2036	-2037	-2001	M	G	0.00	0.00	900.00
404	-2001	-2037	-2038	-2002	M	G	0.00	0.00	900.00
404	-2002	-2038	-2039	-2003	M	G	0.00	0.00	900.00
404	-2003	-2039	-2040	-2004	M	G	0.00	0.00	900.00
404	-2004	-2040	-1766	-1764	M	G	0.00	0.00	900.00
404	-1765	-1767	-2041	-2005	M	G	0.00	0.00	900.00
404	-2005	-2041	-2042	-2006	M	G	0.00	0.00	900.00
404	-2006	-2042	-2043	-2007	M	G	0.00	0.00	900.00
404	-2007	-2043	-2044	-2008	M	G	0.00	0.00	900.00
404	-2008	-2044	-2045	-2009	M	G	0.00	0.00	900.00
404	-2009	-2045	-2046	-2010	M	G	0.00	0.00	900.00
404	-2010	-2046	-2047	-2011	M	G	0.00	0.00	900.00
404	-2011	-2047	-2048	-2012	M	G	0.00	0.00	900.00
404	-2012	-2048	-2049	-2013	M	G	0.00	0.00	900.00
404	-2013	-2049	-2050	-2014	M	G	0.00	0.00	900.00
404	-1909	-1945	-1946	-1910	M	G	0.00	0.00	900.00
404	-1910	-1946	-1947	-1911	M	G	0.00	0.00	900.00
404	-1911	-1947	-1948	-1912	M	G	0.00	0.00	900.00
404	-1912	-1948	-1949	-1913	M	G	0.00	0.00	900.00

404	-1913	-1949	-1950	-1914	M	G	0.00	0.00	900.00
404	-1914	-1950	-1951	-1915	M	G	0.00	0.00	900.00
404	-1915	-1951	-1952	-1916	M	G	0.00	0.00	900.00
404	-1916	-1952	-1953	-1917	M	G	0.00	0.00	900.00
404	-1917	-1953	-1954	-1918	M	G	0.00	0.00	900.00
404	-1918	-1954	-1955	-1919	M	G	0.00	0.00	900.00
404	-1919	-1955	-1956	-1920	M	G	0.00	0.00	900.00
404	-1920	-1956	-1957	-1921	M	G	0.00	0.00	900.00
404	-1921	-1957	-1958	-1922	M	G	0.00	0.00	900.00
404	-1922	-1958	-1959	-1923	M	G	0.00	0.00	900.00
404	-1923	-1959	-1960	-1924	M	G	0.00	0.00	900.00
404	-1924	-1960	-1961	-1925	M	G	0.00	0.00	900.00
404	-1925	-1961	-1962	-1926	M	G	0.00	0.00	900.00
404	-1926	-1962	-1963	-1927	M	G	0.00	0.00	900.00
404	-1927	-1963	-3388	-3387	M	G	0.00	0.00	900.00
404	-1928	-1964	-1965	-1929	M	G	0.00	0.00	900.00
404	-1929	-1965	-1966	-1930	M	G	0.00	0.00	900.00
404	-1930	-1966	-1967	-1931	M	G	0.00	0.00	900.00
404	-1931	-1967	-1968	-1932	M	G	0.00	0.00	900.00
404	-2248	-2284	-2285	-2249	M	G	0.00	0.00	900.00
404	-2249	-2285	-2286	-2250	M	G	0.00	0.00	900.00
404	-2250	-2286	-2287	-2251	M	G	0.00	0.00	900.00
404	-2251	-2287	-3397	-3396	M	G	0.00	0.00	900.00
404	-2252	-2288	-2289	-2253	M	G	0.00	0.00	900.00
404	-2253	-2289	-2290	-2254	M	G	0.00	0.00	900.00
404	-2254	-2290	-2291	-2255	M	G	0.00	0.00	900.00
404	-2255	-2291	-2292	-2256	M	G	0.00	0.00	900.00
404	-2256	-2292	-1780	-1778	M	G	0.00	0.00	900.00
404	-1779	-1781	-2293	-2257	M	G	0.00	0.00	900.00
404	-2257	-2293	-2294	-2258	M	G	0.00	0.00	900.00
404	-2258	-2294	-2295	-2259	M	G	0.00	0.00	900.00
404	-2259	-2295	-2296	-2260	M	G	0.00	0.00	900.00
404	-2260	-2296	-2297	-2261	M	G	0.00	0.00	900.00
404	-2261	-2297	-2298	-2262	M	G	0.00	0.00	900.00
404	-2262	-2298	-2299	-2263	M	G	0.00	0.00	900.00
404	-2263	-2299	-2300	-2264	M	G	0.00	0.00	900.00
404	-2264	-2300	-2301	-2265	M	G	0.00	0.00	900.00
404	-2265	-2301	-2302	-2266	M	G	0.00	0.00	900.00
404	-2266	-2302	-2303	-2267	M	G	0.00	0.00	900.00
404	-2267	-2303	-2304	-2268	M	G	0.00	0.00	900.00
404	-2268	-2304	-2305	-2269	M	G	0.00	0.00	900.00
404	-2269	-2305	-2306	-2270	M	G	0.00	0.00	900.00
404	-2270	-2306	-2307	-2271	M	G	0.00	0.00	900.00
404	-2271	-2307	-2308	-2272	M	G	0.00	0.00	900.00
404	-2272	-2308	-2309	-2273	M	G	0.00	0.00	900.00
404	-2273	-2309	-2310	-2274	M	G	0.00	0.00	900.00
404	-2274	-2310	-2311	-2275	M	G	0.00	0.00	900.00
404	-2275	-2311	-2312	-2276	M	G	0.00	0.00	900.00
404	-2276	-2312	-2313	-2277	M	G	0.00	0.00	900.00
404	-2277	-2313	-2314	-2278	M	G	0.00	0.00	900.00
404	-2278	-2314	-2315	-2279	M	G	0.00	0.00	900.00
404	-2279	-2315	-2316	-2280	M	G	0.00	0.00	900.00
404	-2280	-2316	-2317	-2281	M	G	0.00	0.00	900.00
404	-2281	-2317	-2318	-2282	M	G	0.00	0.00	900.00
404	-2282	-2318	-2319	-2283	M	G	0.00	0.00	900.00
404	-2283	-2319	-2320	-2284	M	G	0.00	0.00	900.00
404	-2284	-2320	-2321	-2285	M	G	0.00	0.00	900.00
404	-2285	-2321	-2322	-2286	M	G	0.00	0.00	900.00
404	-2286	-2322	-2323	-2287	M	G	0.00	0.00	900.00
404	-2287	-2323	-3398	-3397	M	G	0.00	0.00	900.00
404	-2288	-2324	-2325	-2289	M	G	0.00	0.00	900.00
404	-2289	-2325	-2326	-2290	M	G	0.00	0.00	900.00
404	-2290	-2326	-2327	-2291	M	G	0.00	0.00	900.00
404	-2291	-2327	-2328	-2292	M	G	0.00	0.00	900.00
404	-2292	-2328	-1782	-1780	M	G	0.00	0.00	900.00
404	-1781	-1783	-2329	-2293	M	G	0.00	0.00	900.00
404	-2293	-2329	-2330	-2294	M	G	0.00	0.00	900.00
404	-2294	-2330	-2331	-2295	M	G	0.00	0.00	900.00
404	-2295	-2331	-2332	-2296	M	G	0.00	0.00	900.00
404	-2296	-2332	-2333	-2297	M	G	0.00	0.00	900.00
404	-2297	-2333	-2334	-2298	M	G	0.00	0.00	900.00
404	-2298	-2334	-2335	-2299	M	G	0.00	0.00	900.00
404	-2299	-2335	-2336	-2300	M	G	0.00	0.00	900.00
404	-2300	-2336	-2337	-2301	M	G	0.00	0.00	900.00
404	-2301	-2337	-2338	-2302	M	G	0.00	0.00	900.00
404	-2302	-2338	-2339	-2303	M	G	0.00	0.00	900.00
404	-2303	-2339	-2340	-2304	M	G	0.00	0.00	900.00
404	-2304	-2340	-2341	-2305	M	G	0.00	0.00	900.00
404	-2305	-2341	-2342	-2306	M	G	0.00	0.00	900.00

404	-2306	-2342	-2343	-2307	M	G	0.00	0.00	900.00
404	-2307	-2343	-2344	-2308	M	G	0.00	0.00	900.00
404	-2308	-2344	-2345	-2309	M	G	0.00	0.00	900.00
404	-2309	-2345	-2346	-2310	M	G	0.00	0.00	900.00
404	-2310	-2346	-2347	-2311	M	G	0.00	0.00	900.00
404	-2311	-2347	-2348	-2312	M	G	0.00	0.00	900.00
404	-2312	-2348	-2349	-2313	M	G	0.00	0.00	900.00
404	-2313	-2349	-2350	-2314	M	G	0.00	0.00	900.00
404	-2314	-2350	-2351	-2315	M	G	0.00	0.00	900.00
404	-2315	-2351	-2352	-2316	M	G	0.00	0.00	900.00
404	-2316	-2352	-2353	-2317	M	G	0.00	0.00	900.00
404	-2317	-2353	-2354	-2318	M	G	0.00	0.00	900.00
404	-2318	-2354	-2355	-2319	M	G	0.00	0.00	900.00
404	-2319	-2355	-2356	-2320	M	G	0.00	0.00	900.00
404	-2320	-2356	-2357	-2321	M	G	0.00	0.00	900.00
404	-2321	-2357	-2358	-2322	M	G	0.00	0.00	900.00
404	-2322	-2358	-2359	-2323	M	G	0.00	0.00	900.00
404	-2323	-2359	-3399	-3398	M	G	0.00	0.00	900.00
404	-2324	-2360	-2361	-2325	M	G	0.00	0.00	900.00
404	-2325	-2361	-2362	-2326	M	G	0.00	0.00	900.00
404	-2326	-2362	-2363	-2327	M	G	0.00	0.00	900.00
404	-2327	-2363	-2364	-2328	M	G	0.00	0.00	900.00
404	-2328	-2364	-1784	-1782	M	G	0.00	0.00	900.00
404	-1783	-1785	-2365	-2329	M	G	0.00	0.00	900.00
404	-2329	-2365	-2366	-2330	M	G	0.00	0.00	900.00
404	-2330	-2366	-2367	-2331	M	G	0.00	0.00	900.00
404	-2331	-2367	-2368	-2332	M	G	0.00	0.00	900.00
404	-2332	-2368	-2369	-2333	M	G	0.00	0.00	900.00
404	-2333	-2369	-2370	-2334	M	G	0.00	0.00	900.00
404	-2334	-2370	-2371	-2335	M	G	0.00	0.00	900.00
404	-2335	-2371	-2372	-2336	M	G	0.00	0.00	900.00
404	-2336	-2372	-2373	-2337	M	G	0.00	0.00	900.00
404	-2337	-2373	-2374	-2338	M	G	0.00	0.00	900.00
404	-2338	-2374	-2375	-2339	M	G	0.00	0.00	900.00
404	-2339	-2375	-2376	-2340	M	G	0.00	0.00	900.00
404	-2340	-2376	-2377	-2341	M	G	0.00	0.00	900.00
404	-2341	-2377	-2378	-2342	M	G	0.00	0.00	900.00
404	-2342	-2378	-2379	-2343	M	G	0.00	0.00	900.00
404	-2343	-2379	-2380	-2344	M	G	0.00	0.00	900.00
404	-2344	-2380	-2381	-2345	M	G	0.00	0.00	900.00
404	-2345	-2381	-2382	-2346	M	G	0.00	0.00	900.00
404	-2346	-2382	-2383	-2347	M	G	0.00	0.00	900.00
404	-2347	-2383	-2384	-2348	M	G	0.00	0.00	900.00
404	-2348	-2384	-2385	-2349	M	G	0.00	0.00	900.00
404	-2349	-2385	-2386	-2350	M	G	0.00	0.00	900.00
404	-2350	-2386	-2387	-2351	M	G	0.00	0.00	900.00
404	-2351	-2387	-2388	-2352	M	G	0.00	0.00	900.00
404	-2352	-2388	-2389	-2353	M	G	0.00	0.00	900.00
404	-2353	-2389	-2390	-2354	M	G	0.00	0.00	900.00
404	-2354	-2390	-2391	-2355	M	G	0.00	0.00	900.00
404	-2355	-2391	-2392	-2356	M	G	0.00	0.00	900.00
404	-2356	-2392	-2393	-2357	M	G	0.00	0.00	900.00
404	-2357	-2393	-2394	-2358	M	G	0.00	0.00	900.00
404	-2358	-2394	-2395	-2359	M	G	0.00	0.00	900.00
404	-2359	-2395	-3400	-3399	M	G	0.00	0.00	900.00
404	-2360	-2396	-2397	-2361	M	G	0.00	0.00	900.00
404	-2361	-2397	-2398	-2362	M	G	0.00	0.00	900.00
404	-2362	-2398	-2399	-2363	M	G	0.00	0.00	900.00
404	-2363	-2399	-2400	-2364	M	G	0.00	0.00	900.00
404	-2364	-2400	-1786	-1784	M	G	0.00	0.00	900.00
404	-1785	-1787	-2401	-2365	M	G	0.00	0.00	900.00
404	-2365	-2401	-2402	-2366	M	G	0.00	0.00	900.00
404	-2366	-2402	-2403	-2367	M	G	0.00	0.00	900.00
404	-2367	-2403	-2404	-2368	M	G	0.00	0.00	900.00
404	-2368	-2404	-2405	-2369	M	G	0.00	0.00	900.00
404	-2369	-2405	-2406	-2370	M	G	0.00	0.00	900.00
404	-2370	-2406	-2407	-2371	M	G	0.00	0.00	900.00
404	-2371	-2407	-2408	-2372	M	G	0.00	0.00	900.00
404	-2372	-2408	-2409	-2373	M	G	0.00	0.00	900.00
404	-2373	-2409	-2410	-2374	M	G	0.00	0.00	900.00
404	-2374	-2410	-2411	-2375	M	G	0.00	0.00	900.00
404	-2375	-2411	-2412	-2376	M	G	0.00	0.00	900.00
404	-2376	-2412	-2413	-2377	M	G	0.00	0.00	900.00
404	-2377	-2413	-2414	-2378	M	G	0.00	0.00	900.00
404	-2378	-2414	-2415	-2379	M	G	0.00	0.00	900.00
404	-2379	-2415	-2416	-2380	M	G	0.00	0.00	900.00
404	-2380	-2416	-2417	-2381	M	G	0.00	0.00	900.00
404	-2381	-2417	-2418	-2382	M	G	0.00	0.00	900.00
404	-2382	-2418	-2419	-2383	M	G	0.00	0.00	900.00

404	-2383	-2419	-2420	-2384	M	G	0.00	0.00	900.00
404	-2384	-2420	-2421	-2385	M	G	0.00	0.00	900.00
404	-2385	-2421	-2422	-2386	M	G	0.00	0.00	900.00
404	-2386	-2422	-2423	-2387	M	G	0.00	0.00	900.00
404	-2387	-2423	-2424	-2388	M	G	0.00	0.00	900.00
404	-2388	-2424	-2425	-2389	M	G	0.00	0.00	900.00
404	-2389	-2425	-2426	-2390	M	G	0.00	0.00	900.00
404	-2390	-2426	-2427	-2391	M	G	0.00	0.00	900.00
404	-2391	-2427	-2428	-2392	M	G	0.00	0.00	900.00
404	-2392	-2428	-2429	-2393	M	G	0.00	0.00	900.00
404	-2393	-2429	-2430	-2394	M	G	0.00	0.00	900.00
404	-2394	-2430	-2431	-2395	M	G	0.00	0.00	900.00
404	-2395	-2431	-3401	-3400	M	G	0.00	0.00	900.00
404	-2396	-2432	-2433	-2397	M	G	0.00	0.00	900.00
404	-2397	-2433	-2434	-2398	M	G	0.00	0.00	900.00
404	-2398	-2434	-2435	-2399	M	G	0.00	0.00	900.00
404	-2399	-2435	-2436	-2400	M	G	0.00	0.00	900.00
404	-2400	-2436	-1788	-1786	M	G	0.00	0.00	900.00
404	-1787	14	-1789	-2401	M	G	0.00	0.00	900.00
404	-2401	-1789	-1791	-2402	M	G	0.00	0.00	900.00
404	-2402	-1791	-1793	-2403	M	G	0.00	0.00	900.00
404	-2403	-1793	-1795	-2404	M	G	0.00	0.00	900.00
404	-2404	-1795	-1797	-2405	M	G	0.00	0.00	900.00
404	-2405	-1797	-1799	-2406	M	G	0.00	0.00	900.00
404	-2406	-1799	-1801	-2407	M	G	0.00	0.00	900.00
404	-2407	-1801	-1803	-2408	M	G	0.00	0.00	900.00
404	-2408	-1803	-1805	-2409	M	G	0.00	0.00	900.00
404	-2409	-1805	-1807	-2410	M	G	0.00	0.00	900.00
404	-2410	-1807	-1809	-2411	M	G	0.00	0.00	900.00
404	-2411	-1809	-1811	-2412	M	G	0.00	0.00	900.00
404	-2412	-1811	-1813	-2413	M	G	0.00	0.00	900.00
404	-2413	-1813	-1815	-2414	M	G	0.00	0.00	900.00
404	-2414	-1815	-1817	-2415	M	G	0.00	0.00	900.00
404	-2415	-1817	-1819	-2416	M	G	0.00	0.00	900.00
404	-2416	-1819	-1821	-2417	M	G	0.00	0.00	900.00
404	-2417	-1821	-1823	-2418	M	G	0.00	0.00	900.00
404	-2418	-1823	-1825	-2419	M	G	0.00	0.00	900.00
404	-2419	-1825	-1827	-2420	M	G	0.00	0.00	900.00
404	-2420	-1827	-1829	-2421	M	G	0.00	0.00	900.00
404	-2421	-1829	-1831	-2422	M	G	0.00	0.00	900.00
404	-2422	-1831	-1833	-2423	M	G	0.00	0.00	900.00
404	-2423	-1833	-1835	-2424	M	G	0.00	0.00	900.00
404	-2424	-1835	-1837	-2425	M	G	0.00	0.00	900.00
404	-2425	-1837	-1839	-2426	M	G	0.00	0.00	900.00
404	-2426	-1839	-1841	-2427	M	G	0.00	0.00	900.00
404	-2427	-1841	-1843	-2428	M	G	0.00	0.00	900.00
404	-2428	-1843	-1845	-2429	M	G	0.00	0.00	900.00
404	-2429	-1845	-1847	-2430	M	G	0.00	0.00	900.00
404	-2430	-1847	-1849	-2431	M	G	0.00	0.00	900.00
404	-2431	-1849	-3402	-3401	M	G	0.00	0.00	900.00
404	-2432	-1851	-1853	-2433	M	G	0.00	0.00	900.00
404	-2433	-1853	-1855	-2434	M	G	0.00	0.00	900.00
404	-2434	-1855	-1857	-2435	M	G	0.00	0.00	900.00
404	-2435	-1857	-1859	-2436	M	G	0.00	0.00	900.00
404	-2436	-1859	103	-1788	M	G	0.00	0.00	900.00
404	-2014	-2050	-2051	-2015	M	G	0.00	0.00	900.00
404	-2015	-2051	-2052	-2016	M	G	0.00	0.00	900.00
404	-2016	-2052	-2053	-2017	M	G	0.00	0.00	900.00
404	-2017	-2053	-2054	-2018	M	G	0.00	0.00	900.00
404	-2018	-2054	-2055	-2019	M	G	0.00	0.00	900.00
404	-2019	-2055	-2056	-2020	M	G	0.00	0.00	900.00
404	-2020	-2056	-2057	-2021	M	G	0.00	0.00	900.00
404	-2021	-2057	-2058	-2022	M	G	0.00	0.00	900.00
404	-2022	-2058	-2059	-2023	M	G	0.00	0.00	900.00
404	-2023	-2059	-2060	-2024	M	G	0.00	0.00	900.00
404	-2024	-2060	-2061	-2025	M	G	0.00	0.00	900.00
404	-2025	-2061	-2062	-2026	M	G	0.00	0.00	900.00
404	-2026	-2062	-2063	-2027	M	G	0.00	0.00	900.00
404	-2027	-2063	-2064	-2028	M	G	0.00	0.00	900.00
404	-2028	-2064	-2065	-2029	M	G	0.00	0.00	900.00
404	-2029	-2065	-2066	-2030	M	G	0.00	0.00	900.00
404	-2030	-2066	-2067	-2031	M	G	0.00	0.00	900.00
404	-2031	-2067	-2068	-2032	M	G	0.00	0.00	900.00
404	-2032	-2068	-2069	-2033	M	G	0.00	0.00	900.00
404	-2033	-2069	-2070	-2034	M	G	0.00	0.00	900.00
404	-2034	-2070	-2071	-2035	M	G	0.00	0.00	900.00
404	-2035	-2071	-3391	-3390	M	G	0.00	0.00	900.00
404	-2036	-2072	-2073	-2037	M	G	0.00	0.00	900.00
404	-2037	-2073	-2074	-2038	M	G	0.00	0.00	900.00

404	-2038	-2074	-2075	-2039	M	G	0.00	0.00	900.00
404	-2039	-2075	-2076	-2040	M	G	0.00	0.00	900.00
404	-2040	-2076	-1768	-1766	M	G	0.00	0.00	900.00
404	-1767	-1769	-2077	-2041	M	G	0.00	0.00	900.00
404	-2041	-2077	-2078	-2042	M	G	0.00	0.00	900.00
404	-2042	-2078	-2079	-2043	M	G	0.00	0.00	900.00
404	-2043	-2079	-2080	-2044	M	G	0.00	0.00	900.00
404	-2044	-2080	-2081	-2045	M	G	0.00	0.00	900.00
404	-2045	-2081	-2082	-2046	M	G	0.00	0.00	900.00
404	-2046	-2082	-2083	-2047	M	G	0.00	0.00	900.00
404	-2047	-2083	-2084	-2048	M	G	0.00	0.00	900.00
404	-2048	-2084	-2085	-2049	M	G	0.00	0.00	900.00
404	-2049	-2085	-2086	-2050	M	G	0.00	0.00	900.00
404	-2050	-2086	-2087	-2051	M	G	0.00	0.00	900.00
404	-2051	-2087	-2088	-2052	M	G	0.00	0.00	900.00
404	-2052	-2088	-2089	-2053	M	G	0.00	0.00	900.00
404	-2053	-2089	-2090	-2054	M	G	0.00	0.00	900.00
404	-2054	-2090	-2091	-2055	M	G	0.00	0.00	900.00
404	-2055	-2091	-2092	-2056	M	G	0.00	0.00	900.00
404	-2056	-2092	-2093	-2057	M	G	0.00	0.00	900.00
404	-2057	-2093	-2094	-2058	M	G	0.00	0.00	900.00
404	-2058	-2094	-2095	-2059	M	G	0.00	0.00	900.00
404	-2059	-2095	-2096	-2060	M	G	0.00	0.00	900.00
404	-2060	-2096	-2097	-2061	M	G	0.00	0.00	900.00
404	-2061	-2097	-2098	-2062	M	G	0.00	0.00	900.00
404	-2062	-2098	-2099	-2063	M	G	0.00	0.00	900.00
404	-2063	-2099	-2100	-2064	M	G	0.00	0.00	900.00
404	-2064	-2100	-2101	-2065	M	G	0.00	0.00	900.00
404	-2065	-2101	-2102	-2066	M	G	0.00	0.00	900.00
404	-2066	-2102	-2103	-2067	M	G	0.00	0.00	900.00
404	-2067	-2103	-2104	-2068	M	G	0.00	0.00	900.00
404	-2068	-2104	-2105	-2069	M	G	0.00	0.00	900.00
404	-2069	-2105	-2106	-2070	M	G	0.00	0.00	900.00
404	-2070	-2106	-2107	-2071	M	G	0.00	0.00	900.00
404	-2071	-2107	-3392	-3391	M	G	0.00	0.00	900.00
404	-2072	-2108	-2109	-2073	M	G	0.00	0.00	900.00
404	-2073	-2109	-2110	-2074	M	G	0.00	0.00	900.00
404	-2074	-2110	-2111	-2075	M	G	0.00	0.00	900.00
404	-2075	-2111	-2112	-2076	M	G	0.00	0.00	900.00
404	-2076	-2112	-1770	-1768	M	G	0.00	0.00	900.00
404	-1769	-1771	-2113	-2077	M	G	0.00	0.00	900.00
404	-2077	-2113	-2114	-2078	M	G	0.00	0.00	900.00
404	-2078	-2114	-2115	-2079	M	G	0.00	0.00	900.00
404	-2079	-2115	-2116	-2080	M	G	0.00	0.00	900.00
404	-2080	-2116	-2117	-2081	M	G	0.00	0.00	900.00
404	-2081	-2117	-2118	-2082	M	G	0.00	0.00	900.00
404	-2082	-2118	-2119	-2083	M	G	0.00	0.00	900.00
404	-2083	-2119	-2120	-2084	M	G	0.00	0.00	900.00
404	-2084	-2120	-2121	-2085	M	G	0.00	0.00	900.00
404	-2085	-2121	-2122	-2086	M	G	0.00	0.00	900.00
404	-2086	-2122	-2123	-2087	M	G	0.00	0.00	900.00
404	-2087	-2123	-2124	-2088	M	G	0.00	0.00	900.00
404	-2088	-2124	-2125	-2089	M	G	0.00	0.00	900.00
404	-2089	-2125	-2126	-2090	M	G	0.00	0.00	900.00
404	-2090	-2126	-2127	-2091	M	G	0.00	0.00	900.00
404	-2091	-2127	-2128	-2092	M	G	0.00	0.00	900.00
404	-2092	-2128	-2129	-2093	M	G	0.00	0.00	900.00
404	-2093	-2129	-2130	-2094	M	G	0.00	0.00	900.00
404	-2094	-2130	-2131	-2095	M	G	0.00	0.00	900.00
404	-2095	-2131	-2132	-2096	M	G	0.00	0.00	900.00
404	-2096	-2132	-2133	-2097	M	G	0.00	0.00	900.00
404	-2097	-2133	-2134	-2098	M	G	0.00	0.00	900.00
404	-2098	-2134	-2135	-2099	M	G	0.00	0.00	900.00
404	-2099	-2135	-2136	-2100	M	G	0.00	0.00	900.00
404	-2100	-2136	-2137	-2101	M	G	0.00	0.00	900.00
404	-2101	-2137	-2138	-2102	M	G	0.00	0.00	900.00
404	-2102	-2138	-2139	-2103	M	G	0.00	0.00	900.00
404	-2103	-2139	-2140	-2104	M	G	0.00	0.00	900.00
404	-2104	-2140	-2141	-2105	M	G	0.00	0.00	900.00
404	-2105	-2141	-2142	-2106	M	G	0.00	0.00	900.00
404	-2106	-2142	-2143	-2107	M	G	0.00	0.00	900.00
404	-2107	-2143	-3393	-3392	M	G	0.00	0.00	900.00
404	-2108	-2144	-2145	-2109	M	G	0.00	0.00	900.00
404	-2109	-2145	-2146	-2110	M	G	0.00	0.00	900.00
404	-2110	-2146	-2147	-2111	M	G	0.00	0.00	900.00
404	-2111	-2147	-2148	-2112	M	G	0.00	0.00	900.00
404	-2112	-2148	-1772	-1770	M	G	0.00	0.00	900.00
404	-1771	-1773	-2149	-2113	M	G	0.00	0.00	900.00
404	-2113	-2149	-2150	-2114	M	G	0.00	0.00	900.00

404	-2114	-2150	-2151	-2115	M	G	0.00	0.00	900.00
404	-2115	-2151	-2152	-2116	M	G	0.00	0.00	900.00
404	-2116	-2152	-2153	-2117	M	G	0.00	0.00	900.00
404	-2117	-2153	-2154	-2118	M	G	0.00	0.00	900.00
404	-2118	-2154	-2155	-2119	M	G	0.00	0.00	900.00
404	-2119	-2155	-2156	-2120	M	G	0.00	0.00	900.00
404	-2120	-2156	-2157	-2121	M	G	0.00	0.00	900.00
404	-2121	-2157	-2158	-2122	M	G	0.00	0.00	900.00
404	-2122	-2158	-2159	-2123	M	G	0.00	0.00	900.00
404	-2123	-2159	-2160	-2124	M	G	0.00	0.00	900.00
404	-2124	-2160	-2161	-2125	M	G	0.00	0.00	900.00
404	-2125	-2161	-2162	-2126	M	G	0.00	0.00	900.00
404	-2126	-2162	-2163	-2127	M	G	0.00	0.00	900.00
404	-2127	-2163	-2164	-2128	M	G	0.00	0.00	900.00
404	-2128	-2164	-2165	-2129	M	G	0.00	0.00	900.00
404	-2129	-2165	-2166	-2130	M	G	0.00	0.00	900.00
404	-2130	-2166	-2167	-2131	M	G	0.00	0.00	900.00
404	-2131	-2167	-2168	-2132	M	G	0.00	0.00	900.00
404	-2132	-2168	-2169	-2133	M	G	0.00	0.00	900.00
404	-2133	-2169	-2170	-2134	M	G	0.00	0.00	900.00
404	-2134	-2170	-2171	-2135	M	G	0.00	0.00	900.00
404	-2135	-2171	-2172	-2136	M	G	0.00	0.00	900.00
404	-2136	-2172	-2173	-2137	M	G	0.00	0.00	900.00
404	-2137	-2173	-2174	-2138	M	G	0.00	0.00	900.00
404	-2138	-2174	-2175	-2139	M	G	0.00	0.00	900.00
404	-2139	-2175	-2176	-2140	M	G	0.00	0.00	900.00
404	-2140	-2176	-2177	-2141	M	G	0.00	0.00	900.00
404	-2141	-2177	-2178	-2142	M	G	0.00	0.00	900.00
404	-2142	-2178	-2179	-2143	M	G	0.00	0.00	900.00
404	-2143	-2179	-3394	-3393	M	G	0.00	0.00	900.00
404	-2144	-2180	-2181	-2145	M	G	0.00	0.00	900.00
404	-2145	-2181	-2182	-2146	M	G	0.00	0.00	900.00
404	-2146	-2182	-2183	-2147	M	G	0.00	0.00	900.00
404	-2147	-2183	-2184	-2148	M	G	0.00	0.00	900.00
404	-2148	-2184	-1774	-1772	M	G	0.00	0.00	900.00
404	205	-1757	-1861	-1790	M	G	0.00	0.00	900.00
404	-2149	-2185	-2186	-2150	M	G	0.00	0.00	900.00
404	-2150	-2186	-2187	-2151	M	G	0.00	0.00	900.00
404	-2151	-2187	-2188	-2152	M	G	0.00	0.00	900.00
404	-2152	-2188	-2189	-2153	M	G	0.00	0.00	900.00
404	-2153	-2189	-2190	-2154	M	G	0.00	0.00	900.00
404	-2154	-2190	-2191	-2155	M	G	0.00	0.00	900.00
404	-2155	-2191	-2192	-2156	M	G	0.00	0.00	900.00
404	-2156	-2192	-2193	-2157	M	G	0.00	0.00	900.00
404	-2157	-2193	-2194	-2158	M	G	0.00	0.00	900.00
404	-2158	-2194	-2195	-2159	M	G	0.00	0.00	900.00
404	-2159	-2195	-2196	-2160	M	G	0.00	0.00	900.00
404	-2160	-2196	-2197	-2161	M	G	0.00	0.00	900.00
404	-2161	-2197	-2198	-2162	M	G	0.00	0.00	900.00
404	-2162	-2198	-2199	-2163	M	G	0.00	0.00	900.00
404	-2163	-2199	-2200	-2164	M	G	0.00	0.00	900.00
404	-2164	-2200	-2201	-2165	M	G	0.00	0.00	900.00
404	-2165	-2201	-2202	-2166	M	G	0.00	0.00	900.00
404	-2166	-2202	-2203	-2167	M	G	0.00	0.00	900.00
404	-2167	-2203	-2204	-2168	M	G	0.00	0.00	900.00
404	-2168	-2204	-2205	-2169	M	G	0.00	0.00	900.00
404	-2169	-2205	-2206	-2170	M	G	0.00	0.00	900.00
404	-2170	-2206	-2207	-2171	M	G	0.00	0.00	900.00
404	-2171	-2207	-2208	-2172	M	G	0.00	0.00	900.00
404	-2172	-2208	-2209	-2173	M	G	0.00	0.00	900.00
404	-2173	-2209	-2210	-2174	M	G	0.00	0.00	900.00
404	-2174	-2210	-2211	-2175	M	G	0.00	0.00	900.00
404	-2175	-2211	-2212	-2176	M	G	0.00	0.00	900.00
404	-2176	-2212	-2213	-2177	M	G	0.00	0.00	900.00
404	-2177	-2213	-2214	-2178	M	G	0.00	0.00	900.00
404	-2178	-2214	-2215	-2179	M	G	0.00	0.00	900.00
404	-2179	-2215	-3395	-3394	M	G	0.00	0.00	900.00
404	-2180	-2216	-2217	-2181	M	G	0.00	0.00	900.00
404	-2181	-2217	-2218	-2182	M	G	0.00	0.00	900.00
404	-2182	-2218	-2219	-2183	M	G	0.00	0.00	900.00
404	-2183	-2219	-2220	-2184	M	G	0.00	0.00	900.00
404	-2184	-2220	-1776	-1774	M	G	0.00	0.00	900.00
404	-1775	-1777	-2221	-2185	M	G	0.00	0.00	900.00
404	-3370	-3386	-1892	-1852	M	G	0.00	0.00	900.00
404	-3386	-3387	-1928	-1892	M	G	0.00	0.00	900.00
404	-3387	-3388	-1964	-1928	M	G	0.00	0.00	900.00
404	-3388	-3389	-2000	-1964	M	G	0.00	0.00	900.00
404	-3389	-3390	-2036	-2000	M	G	0.00	0.00	900.00
404	-3390	-3391	-2072	-2036	M	G	0.00	0.00	900.00

404	-3391	-3392	-2108	-2072	M	G	0.00	0.00	900.00
404	-3392	-3393	-2144	-2108	M	G	0.00	0.00	900.00
404	-3393	-3394	-2180	-2144	M	G	0.00	0.00	900.00
404	-3394	-3395	-2216	-2180	M	G	0.00	0.00	900.00
404	-3395	-3396	-2252	-2216	M	G	0.00	0.00	900.00
404	-3396	-3397	-2288	-2252	M	G	0.00	0.00	900.00
404	-3397	-3398	-2324	-2288	M	G	0.00	0.00	900.00
404	-3398	-3399	-2360	-2324	M	G	0.00	0.00	900.00
404	-3399	-3400	-2396	-2360	M	G	0.00	0.00	900.00
404	-3400	-3401	-2432	-2396	M	G	0.00	0.00	900.00
404	-3401	-3402	-1851	-2432	M	G	0.00	0.00	900.00
404	-2202	-2238	-2239	-2203	M	G	0.00	0.00	900.00
404	-2203	-2239	-2240	-2204	M	G	0.00	0.00	900.00
404	-2204	-2240	-2241	-2205	M	G	0.00	0.00	900.00
404	-2205	-2241	-2242	-2206	M	G	0.00	0.00	900.00
404	-2206	-2242	-2243	-2207	M	G	0.00	0.00	900.00
404	-2207	-2243	-2244	-2208	M	G	0.00	0.00	900.00
404	-2208	-2244	-2245	-2209	M	G	0.00	0.00	900.00
404	-2209	-2245	-2246	-2210	M	G	0.00	0.00	900.00
404	-2210	-2246	-2247	-2211	M	G	0.00	0.00	900.00
404	-2211	-2247	-2248	-2212	M	G	0.00	0.00	900.00
404	-2212	-2248	-2249	-2213	M	G	0.00	0.00	900.00
404	-2213	-2249	-2250	-2214	M	G	0.00	0.00	900.00
404	-2214	-2250	-2251	-2215	M	G	0.00	0.00	900.00
404	-2215	-2251	-3396	-3395	M	G	0.00	0.00	900.00
404	-2216	-2252	-2253	-2217	M	G	0.00	0.00	900.00
404	-2217	-2253	-2254	-2218	M	G	0.00	0.00	900.00
404	-2218	-2254	-2255	-2219	M	G	0.00	0.00	900.00
404	-2219	-2255	-2256	-2220	M	G	0.00	0.00	900.00
404	-2220	-2256	-1778	-1776	M	G	0.00	0.00	900.00
404	-1777	-1779	-2257	-2221	M	G	0.00	0.00	900.00
404	-2221	-2257	-2258	-2222	M	G	0.00	0.00	900.00
404	-2222	-2258	-2259	-2223	M	G	0.00	0.00	900.00
404	-2223	-2259	-2260	-2224	M	G	0.00	0.00	900.00
404	-2224	-2260	-2261	-2225	M	G	0.00	0.00	900.00
404	-2225	-2261	-2262	-2226	M	G	0.00	0.00	900.00
404	-2226	-2262	-2263	-2227	M	G	0.00	0.00	900.00
404	-2227	-2263	-2264	-2228	M	G	0.00	0.00	900.00
404	-2228	-2264	-2265	-2229	M	G	0.00	0.00	900.00
404	-2229	-2265	-2266	-2230	M	G	0.00	0.00	900.00
404	-2230	-2266	-2267	-2231	M	G	0.00	0.00	900.00
404	-2231	-2267	-2268	-2232	M	G	0.00	0.00	900.00
404	-2232	-2268	-2269	-2233	M	G	0.00	0.00	900.00
404	-2233	-2269	-2270	-2234	M	G	0.00	0.00	900.00
404	-2234	-2270	-2271	-2235	M	G	0.00	0.00	900.00
404	-2235	-2271	-2272	-2236	M	G	0.00	0.00	900.00
404	-2236	-2272	-2273	-2237	M	G	0.00	0.00	900.00
404	-2237	-2273	-2274	-2238	M	G	0.00	0.00	900.00
404	-2238	-2274	-2275	-2239	M	G	0.00	0.00	900.00
404	-2239	-2275	-2276	-2240	M	G	0.00	0.00	900.00
404	-2240	-2276	-2277	-2241	M	G	0.00	0.00	900.00
404	-2241	-2277	-2278	-2242	M	G	0.00	0.00	900.00
404	-2242	-2278	-2279	-2243	M	G	0.00	0.00	900.00
404	-2243	-2279	-2280	-2244	M	G	0.00	0.00	900.00
404	-2244	-2280	-2281	-2245	M	G	0.00	0.00	900.00
404	-2245	-2281	-2282	-2246	M	G	0.00	0.00	900.00
404	-2246	-2282	-2283	-2247	M	G	0.00	0.00	900.00
404	-2247	-2283	-2284	-2248	M	G	0.00	0.00	900.00
404	-1790	-1861	-1862	-1792	M	G	0.00	0.00	900.00
404	-1792	-1862	-1863	-1794	M	G	0.00	0.00	900.00
404	-1794	-1863	-1864	-1796	M	G	0.00	0.00	900.00
404	-1796	-1864	-1865	-1798	M	G	0.00	0.00	900.00
404	-1798	-1865	-1866	-1800	M	G	0.00	0.00	900.00
404	-1800	-1866	-1867	-1802	M	G	0.00	0.00	900.00
404	-1802	-1867	-1868	-1804	M	G	0.00	0.00	900.00
404	-1804	-1868	-1869	-1806	M	G	0.00	0.00	900.00
404	-1806	-1869	-1870	-1808	M	G	0.00	0.00	900.00
404	-1808	-1870	-1871	-1810	M	G	0.00	0.00	900.00
404	-1810	-1871	-1872	-1812	M	G	0.00	0.00	900.00
404	-1812	-1872	-1873	-1814	M	G	0.00	0.00	900.00
404	-1814	-1873	-1874	-1816	M	G	0.00	0.00	900.00
404	-1816	-1874	-1875	-1818	M	G	0.00	0.00	900.00
404	-1818	-1875	-1876	-1820	M	G	0.00	0.00	900.00
404	-1820	-1876	-1877	-1822	M	G	0.00	0.00	900.00
404	-1822	-1877	-1878	-1824	M	G	0.00	0.00	900.00
404	-1824	-1878	-1879	-1826	M	G	0.00	0.00	900.00
404	-1826	-1879	-1880	-1828	M	G	0.00	0.00	900.00
404	-1828	-1880	-1881	-1830	M	G	0.00	0.00	900.00
404	-1830	-1881	-1882	-1832	M	G	0.00	0.00	900.00

404	-1832	-1882	-1883	-1834	M	G	0.00	0.00	900.00
404	-1834	-1883	-1884	-1836	M	G	0.00	0.00	900.00
404	-1836	-1884	-1885	-1838	M	G	0.00	0.00	900.00
404	-1838	-1885	-1886	-1840	M	G	0.00	0.00	900.00
404	-1840	-1886	-1887	-1842	M	G	0.00	0.00	900.00
404	-1842	-1887	-1888	-1844	M	G	0.00	0.00	900.00
404	-1844	-1888	-1889	-1846	M	G	0.00	0.00	900.00
404	-1846	-1889	-1890	-1848	M	G	0.00	0.00	900.00
404	-1848	-1890	-1891	-1850	M	G	0.00	0.00	900.00
404	-1850	-1891	-3386	-3370	M	G	0.00	0.00	900.00
404	-1852	-1892	-1893	-1854	M	G	0.00	0.00	900.00
404	-1854	-1893	-1894	-1856	M	G	0.00	0.00	900.00
404	-1856	-1894	-1895	-1858	M	G	0.00	0.00	900.00
404	-1858	-1895	-1896	-1860	M	G	0.00	0.00	900.00
404	-1860	-1896	-1758	217	M	G	0.00	0.00	900.00
404	-1757	-1759	-1897	-1861	M	G	0.00	0.00	900.00
404	-1861	-1897	-1898	-1862	M	G	0.00	0.00	900.00
404	-1862	-1898	-1899	-1863	M	G	0.00	0.00	900.00
404	-1863	-1899	-1900	-1864	M	G	0.00	0.00	900.00
404	-1864	-1900	-1901	-1865	M	G	0.00	0.00	900.00
404	-1865	-1901	-1902	-1866	M	G	0.00	0.00	900.00
404	-1866	-1902	-1903	-1867	M	G	0.00	0.00	900.00
404	-1867	-1903	-1904	-1868	M	G	0.00	0.00	900.00
404	-1868	-1904	-1905	-1869	M	G	0.00	0.00	900.00
404	-1869	-1905	-1906	-1870	M	G	0.00	0.00	900.00
404	-1870	-1906	-1907	-1871	M	G	0.00	0.00	900.00
404	-1871	-1907	-1908	-1872	M	G	0.00	0.00	900.00
404	-1872	-1908	-1909	-1873	M	G	0.00	0.00	900.00
404	-1873	-1909	-1910	-1874	M	G	0.00	0.00	900.00
404	-1874	-1910	-1911	-1875	M	G	0.00	0.00	900.00
404	-1875	-1911	-1912	-1876	M	G	0.00	0.00	900.00
404	-1876	-1912	-1913	-1877	M	G	0.00	0.00	900.00
404	-1877	-1913	-1914	-1878	M	G	0.00	0.00	900.00
404	-1878	-1914	-1915	-1879	M	G	0.00	0.00	900.00
404	-1879	-1915	-1916	-1880	M	G	0.00	0.00	900.00
404	-1880	-1916	-1917	-1881	M	G	0.00	0.00	900.00
404	-1881	-1917	-1918	-1882	M	G	0.00	0.00	900.00
404	-1882	-1918	-1919	-1883	M	G	0.00	0.00	900.00
404	-1883	-1919	-1920	-1884	M	G	0.00	0.00	900.00
404	-1884	-1920	-1921	-1885	M	G	0.00	0.00	900.00
404	-1885	-1921	-1922	-1886	M	G	0.00	0.00	900.00
404	-1886	-1922	-1923	-1887	M	G	0.00	0.00	900.00
404	-1887	-1923	-1924	-1888	M	G	0.00	0.00	900.00
404	-1888	-1924	-1925	-1889	M	G	0.00	0.00	900.00
404	-1889	-1925	-1926	-1890	M	G	0.00	0.00	900.00
404	-1890	-1926	-1927	-1891	M	G	0.00	0.00	900.00
404	-1891	-1927	-3387	-3386	M	G	0.00	0.00	900.00
404	-1892	-1928	-1929	-1893	M	G	0.00	0.00	900.00
404	-1893	-1929	-1930	-1894	M	G	0.00	0.00	900.00
404	-1894	-1930	-1931	-1895	M	G	0.00	0.00	900.00
404	-1895	-1931	-1932	-1896	M	G	0.00	0.00	900.00
404	-1896	-1932	-1760	-1758	M	G	0.00	0.00	900.00

Condizione di carico n. 3: Spinta terreno statica
Carichi idrostatici

Simbologia

Bid. = Numero del muro/elemento bidimensionale
N1 = Nodo1
N2 = Nodo2
N3 = Nodo3
N4 = Nodo4
Zi = Coordinata Z globale d'inizio carico
QYi = Componente iniziale del carico in direzione Y locale dell'elemento bidimensionale
Zf = Coordinata Z globale di fine carico
QYf = Componente finale del carico in direzione Y locale dell'elemento bidimensionale

Bid.	N1	N2	N3	N4	Zi <m>	QYi <daN/m>	Zf <m>	QYf <daN/m>
112	-1565	-1577	-1578	-1566	0.00	4380.00	5.00	0.00
112	-742	-740	-3521	-3520	0.00	4380.00	5.00	0.00
112	-740	274	-3522	-3521	0.00	4380.00	5.00	0.00
112	-1585	-1522	-1524	-1586	0.00	4380.00	5.00	0.00
112	-1563	-1575	-1502	-1501	0.00	-4380.00	-5.00	0.00
112	-1562	-1574	-1575	-1563	0.00	4380.00	5.00	0.00
112	-1546	-1558	-1559	-1547	0.00	4380.00	5.00	0.00
112	-1557	-1569	-1570	-1558	0.00	4380.00	5.00	0.00
112	-1535	-1547	-1548	-1536	0.00	4380.00	5.00	0.00

Bid.	N1	N2	N3	N4	Zi <m>	QYi <daN/m>	Zf <m>	QYf <daN/m>
112	-1584	-1520	-1522	-1585	0.00	4380.00	5.00	0.00
112	-1533	-1545	-1546	-1534	0.00	4380.00	5.00	0.00
112	-1544	-1556	-1557	-1545	0.00	4380.00	5.00	0.00
112	-1579	-1510	-1512	-1580	0.00	4380.00	5.00	0.00
112	-1558	-1570	-1571	-1559	0.00	4380.00	5.00	0.00
112	-1570	-1582	-1583	-1571	0.00	4380.00	5.00	0.00
112	-1575	-1587	-1503	-1502	0.00	-4380.00	-5.00	0.00
112	-1543	-1555	-1556	-1544	0.00	4380.00	5.00	0.00
112	-1564	-1576	-1577	-1565	0.00	4380.00	5.00	0.00

112	3	-744	-3519	-3518	0.00	4380.00	5.00	0.00
112	-1538	-1550	-1551	-1539	0.00	4380.00	5.00	0.00
112	-1547	-1559	-1560	-1548	0.00	4380.00	5.00	0.00
112	-1532	-1544	-1545	-1533	0.00	4380.00	5.00	0.00
112	-1534	-1546	-1547	-1535	0.00	4380.00	5.00	0.00
112	-1586	-1524	-1526	-1587	0.00	4380.00	5.00	0.00
112	-1505	-1528	-1529	-1507	0.00	4380.00	5.00	0.00
112	-1540	-1552	-1553	-1541	0.00	4380.00	5.00	0.00
112	-1531	-1543	-1544	-1532	0.00	4380.00	5.00	0.00
112	-3520	-3521	-1552	-1540	0.00	4380.00	5.00	0.00
112	-3523	-3524	-1504	-1576	0.00	4380.00	5.00	0.00
112	-1550	-1562	-1563	-1551	0.00	4380.00	5.00	0.00
112	-1519	-1535	-1536	-1521	0.00	4380.00	5.00	0.00
112	-1530	-1542	-1543	-1531	0.00	4380.00	5.00	0.00
112	-1576	-1504	-1506	-1577	0.00	4380.00	5.00	0.00
112	-1582	-1516	-1518	-1583	0.00	4380.00	5.00	0.00
112	-1580	-1512	-1514	-1581	0.00	4380.00	5.00	0.00
112	-1560	-1572	-1573	-1561	0.00	4380.00	5.00	0.00
112	-1529	-1541	-1542	-1530	0.00	4380.00	5.00	0.00
112	-1527	-1539	-1499	103	0.00	-4380.00	-5.00	0.00
112	-1554	-1566	-1567	-1555	0.00	4380.00	5.00	0.00
112	-736	20	-3524	-3523	0.00	4380.00	5.00	0.00
112	-1515	-1533	-1534	-1517	0.00	4380.00	5.00	0.00
112	-1552	-1564	-1565	-1553	0.00	4380.00	5.00	0.00
112	-1572	-1584	-1585	-1573	0.00	4380.00	5.00	0.00
112	-1587	-1526	120	-1503	0.00	4380.00	5.00	0.00
112	-1523	-1537	-1538	-1525	0.00	4380.00	5.00	0.00
112	-1556	-1568	-1569	-1557	0.00	4380.00	5.00	0.00
112	274	-736	-3523	-3522	0.00	4380.00	5.00	0.00
112	-1553	-1565	-1566	-1554	0.00	4380.00	5.00	0.00
112	-1517	-1534	-1535	-1519	0.00	4380.00	5.00	0.00
112	-3522	-3523	-1576	-1564	0.00	4380.00	5.00	0.00
112	-1549	-1561	-1562	-1550	0.00	4380.00	5.00	0.00
115	-737	18	-3473	-3474	0.00	4380.00	5.00	0.00
115	-1705	-1717	-1718	-1706	0.00	4380.00	5.00	0.00
115	-1735	-1747	-1748	-1736	0.00	4380.00	5.00	0.00
115	-1718	-1730	-1731	-1719	0.00	4380.00	5.00	0.00
115	-1716	-1728	-1729	-1717	0.00	4380.00	5.00	0.00
115	-1715	-1727	-1728	-1716	0.00	4380.00	5.00	0.00
115	-1688	-1704	-1705	-1690	0.00	4380.00	5.00	0.00
115	-1746	-1675	-1677	-1747	0.00	4380.00	5.00	0.00
115	-1694	-1707	-1708	-1696	0.00	4380.00	5.00	0.00
115	-1738	-1750	-1751	-1739	0.00	4380.00	5.00	0.00
115	-1713	-1725	-1726	-1714	0.00	4380.00	5.00	0.00
115	-1714	-1726	-1727	-1715	0.00	4380.00	5.00	0.00
115	-1754	-1691	-1693	-1755	0.00	4380.00	5.00	0.00
115	-1704	-1716	-1717	-1705	0.00	4380.00	5.00	0.00
115	-1745	-1673	-1675	-1746	0.00	4380.00	5.00	0.00
115	-1747	-1677	-1679	-1748	0.00	4380.00	5.00	0.00
115	-1680	-1700	-1701	-1682	0.00	4380.00	5.00	0.00
115	-1712	-1724	-1725	-1713	0.00	4380.00	5.00	0.00
115	-1684	-1702	-1703	-1686	0.00	4380.00	5.00	0.00
115	-1717	-1729	-1730	-1718	0.00	4380.00	5.00	0.00
115	-3478	-3477	-1709	-1697	0.00	4380.00	5.00	0.00
115	-1696	-1708	-1668	14	0.00	4380.00	5.00	0.00
115	-745	-743	-3477	-3478	0.00	4380.00	5.00	0.00
115	-1737	-1749	-1750	-1738	0.00	4380.00	5.00	0.00
115	-1678	-1699	-1700	-1680	0.00	4380.00	5.00	0.00
115	-1739	-1751	-1752	-1740	0.00	4380.00	5.00	0.00
115	-1742	-1754	-1755	-1743	0.00	4380.00	5.00	0.00
115	-1730	-1742	-1743	-1731	0.00	4380.00	5.00	0.00
115	-1698	-1710	-1711	-1699	0.00	4380.00	5.00	0.00
115	-1749	-1681	-1683	-1750	0.00	4380.00	5.00	0.00
115	-1711	-1723	-1724	-1712	0.00	4380.00	5.00	0.00
115	-1702	-1714	-1715	-1703	0.00	4380.00	5.00	0.00
115	-1741	-1753	-1754	-1742	0.00	4380.00	5.00	0.00
115	-3477	-3476	-1721	-1709	0.00	4380.00	5.00	0.00
115	-1750	-1683	-1685	-1751	0.00	4380.00	5.00	0.00
115	-1722	-1734	-1735	-1723	0.00	4380.00	5.00	0.00
115	-1733	-1745	-1746	-1734	0.00	4380.00	5.00	0.00
115	279	-737	-3474	-3475	0.00	4380.00	5.00	0.00
115	-1728	-1740	-1741	-1729	0.00	4380.00	5.00	0.00
115	-1723	-1735	-1736	-1724	0.00	4380.00	5.00	0.00
118	-3109	-3121	-3122	-3110	0.00	4380.00	5.00	0.00
118	-3121	-3133	-3134	-3122	0.00	4380.00	5.00	0.00
118	-3094	-3106	-1831	-1833	0.00	4380.00	5.00	0.00
118	-3511	-3510	-2987	-3414	0.00	4380.00	5.00	0.00
118	-2930	-2942	-2943	-2931	0.00	4380.00	5.00	0.00
118	-1507	-2916	-2917	-1509	0.00	4380.00	5.00	0.00

112	-744	-742	-3520	-3519	0.00	4380.00	5.00	0.00
112	-1559	-1571	-1572	-1560	0.00	4380.00	5.00	0.00
112	-1574	-1586	-1587	-1575	0.00	4380.00	5.00	0.00
112	-1542	-1554	-1555	-1543	0.00	4380.00	5.00	0.00
112	-1536	-1548	-1549	-1537	0.00	4380.00	5.00	0.00
112	-1561	-1573	-1574	-1562	0.00	4380.00	5.00	0.00
112	-1577	-1506	-1508	-1578	0.00	4380.00	5.00	0.00
112	-1548	-1560	-1561	-1549	0.00	4380.00	5.00	0.00
112	-1545	-1557	-1558	-1546	0.00	4380.00	5.00	0.00
112	-1528	-1540	-1541	-1529	0.00	4380.00	5.00	0.00
112	-1571	-1583	-1584	-1572	0.00	4380.00	5.00	0.00
112	-1568	-1580	-1581	-1569	0.00	4380.00	5.00	0.00
112	-1566	-1578	-1579	-1567	0.00	4380.00	5.00	0.00
112	-1537	-1549	-1550	-1538	0.00	4380.00	5.00	0.00
112	-1583	-1518	-1520	-1584	0.00	4380.00	5.00	0.00
112	-1541	-1553	-1554	-1542	0.00	4380.00	5.00	0.00
112	-1539	-1551	-1500	-1499	0.00	-4380.00	-5.00	0.00
112	-1525	-1538	-1539	-1527	0.00	4380.00	5.00	0.00
112	-1511	-1531	-1532	-1513	0.00	4380.00	5.00	0.00
112	-1578	-1508	-1510	-1579	0.00	4380.00	5.00	0.00
112	-1513	-1532	-1533	-1515	0.00	4380.00	5.00	0.00
112	-1555	-1567	-1568	-1556	0.00	4380.00	5.00	0.00
112	-3519	-3520	-1540	-1528	0.00	4380.00	5.00	0.00
112	-1509	-1530	-1531	-1511	0.00	4380.00	5.00	0.00
112	-1569	-1581	-1582	-1570	0.00	4380.00	5.00	0.00
112	-1567	-1579	-1580	-1568	0.00	4380.00	5.00	0.00
112	-1551	-1563	-1501	-1500	0.00	-4380.00	-5.00	0.00
112	-1521	-1536	-1537	-1523	0.00	4380.00	5.00	0.00
112	-3518	-3519	-1528	-1505	0.00	4380.00	5.00	0.00
112	-1581	-1514	-1516	-1582	0.00	4380.00	5.00	0.00
112	-3521	-3522	-1564	-1552	0.00	4380.00	5.00	0.00
112	-1573	-1585	-1586	-1574	0.00	4380.00	5.00	0.00
112	-1507	-1529	-1530	-1509	0.00	4380.00	5.00	0.00
115	-1707	-1719	-1720	-1708	0.00	4380.00	5.00	0.00
115	-1755	-1693	-1695	-1756	0.00	4380.00	5.00	0.00
115	-1697	-1709	-1710	-1698	0.00	4380.00	5.00	0.00
115	-1736	-1748	-1749	-1737	0.00	4380.00	5.00	0.00
115	-1740	-1752	-1753	-1741	0.00	4380.00	5.00	0.00
115	-3476	-3475	-1733	-1721	0.00	4380.00	5.00	0.00
115	-1706	-1718	-1719	-1707	0.00	4380.00	5.00	0.00
115	-743	-741	-3476	-3477	0.00	4380.00	5.00	0.00
115	-1710	-1722	-1723	-1711	0.00	4380.00	5.00	0.00
115	-1727	-1739	-1740	-1728	0.00	4380.00	5.00	0.00
115	-1682	-1701	-1702	-1684	0.00	4380.00	5.00	0.00
115	-1753	-1689	-1691	-1754	0.00	4380.00	5.00	0.00
115	-3475	-3474	-1745	-1733	0.00	4380.00	5.00	0.00
115	-1692	-1706	-1707	-1694	0.00	4380.00	5.00	0.00
115	-741	279	-3475	-3476	0.00	4380.00	5.00	0.00
115	-1676	-1698	-1699	-1678	0.00	4380.00	5.00	0.00
115	-1701	-1713	-1714	-1702	0.00	4380.00	5.00	0.00
115	-1751	-1685	-1687	-1752	0.00	4380.00	5.00	0.00
115	-1752	-1687	-1689	-1753	0.00	4380.00	5.00	0.00
115	-1686	-1703	-1704	-1688	0.00	4380.00	5.00	0.00
115	-1719	-1731	-1732	-1720	0.00	4380.00	5.00	0.00
115	-1721	-1733	-1734	-1722	0.00	4380.00	5.00	0.00
115	4	-745	-3478	-3479	0.00	4380.00	5.00	0.00
115	-1725	-1737	-1738	-1726	0.00	4380.00	5.00	0.00
115	-1700	-1712	-1713	-1701	0.00	4380.00	5.00	0.00
115	-1729	-1741	-1742	-1730	0.00	4380.00	5.00	0.00
115	-1731	-1743	-1744	-1732	0.00	4380.00	5.00	0.00
115	-1726	-1738	-1739	-1727	0.00	4380.00	5.00	0.00
115	-1699	-1711	-1712	-1700	0.00	4380.00	5.00	0.00
115	-1724	-1736	-1737	-1725	0.00	4380.00	5.00	0.00
115	-3479	-3478	-1697	-1674	0.00	4380.00	5.00	0.00
115	-1703	-1715	-1716	-1704	0.00	4380.00	5.00	0.00
115	-1690	-1705	-1706	-1692	0.00	4380.00	5.00	0.00
115	-1674	-1697	-1698	-1676	0.00	4380.00	5.00	0.00
115	-1709	-1721	-1722	-1710	0.00	4380.00	5.00	0.00
115	-1748	-1679	-1681	-1749	0.00	4380.00	5.00	0.00
115	-1743	-1755	-1756	-1744	0.00	4380.00	5.00	0.00
115	-3474	-3473	-1673	-1745	0.00	4380.00	5.00	0.00
115	-1734	-1746	-1747	-1735	0.00	4380.00	5.00	0.00
118	-2985	-3404	-3403	-2986	0.00	4380.00	5.00	0.00
118	-2993	-3005	-3006	-2994	0.00	4380.00	5.00	0.00
118	-2982	-3407	-3406	-2983	0.00	4380.00	5.00	0.00
118	-2984	-3405	-3404	-2985	0.00	4380.00	5.00	0.00
118	-3084	-3096	-3097	-3085	0.00	4380.00	5.00	0.00
118	-3508	-3507	-3023	-3011	0.00	4380.00	5.00	0.00
118	-3095	-3107	-3108	-3096	0.00	4380.00	5.00	0.00

118	-3082	-3094	-1833	-1835	0.00	4380.00	5.00	0.00
118	-2955	-2967	-2968	-2956	0.00	4380.00	5.00	0.00
118	-3140	-3152	-3153	-3141	0.00	4380.00	5.00	0.00
118	-3088	-3100	-3101	-3089	0.00	4380.00	5.00	0.00
118	-3083	-3095	-3096	-3084	0.00	4380.00	5.00	0.00
118	-3091	-3103	-3104	-3092	0.00	4380.00	5.00	0.00
118	-2918	-2930	-2931	-2919	0.00	4380.00	5.00	0.00
118	-3120	-3132	-3133	-3121	0.00	4380.00	5.00	0.00
118	-1521	-2923	-2924	-1523	0.00	4380.00	5.00	0.00
118	-3114	-3126	-3127	-3115	0.00	4380.00	5.00	0.00
118	-3001	-3013	-3014	-3002	0.00	4380.00	5.00	0.00
118	-2991	-3003	-3004	-2992	0.00	4380.00	5.00	0.00
118	-2929	-2941	-2942	-2930	0.00	4380.00	5.00	0.00
118	-2931	-2943	-2944	-2932	0.00	4380.00	5.00	0.00
118	-2983	-3406	-3405	-2984	0.00	4380.00	5.00	0.00
118	-3112	-3124	-3125	-3113	0.00	4380.00	5.00	0.00
118	-1525	-2925	-2926	-1527	0.00	4380.00	5.00	0.00
118	-3128	-3140	-3141	-3129	0.00	4380.00	5.00	0.00
118	-3116	-3128	-3129	-3117	0.00	4380.00	5.00	0.00
118	-2992	-3004	-3005	-2993	0.00	4380.00	5.00	0.00
118	-2943	-2955	-2956	-2944	0.00	4380.00	5.00	0.00
118	-3146	-3158	-3159	-3147	0.00	4380.00	5.00	0.00
118	-2937	-2949	-2950	-2938	0.00	4380.00	5.00	0.00
118	-3100	-3112	-3113	-3101	0.00	4380.00	5.00	0.00
118	-100	-98	-3513	-3514	0.00	4380.00	5.00	0.00
118	-3052	-3064	-3065	-3053	0.00	4380.00	5.00	0.00
118	-2954	-2966	-2967	-2955	0.00	4380.00	5.00	0.00
118	-1511	-2918	-2919	-1513	0.00	4380.00	5.00	0.00
118	-1517	-2921	-2922	-1519	0.00	4380.00	5.00	0.00
118	-3111	-3123	-3124	-3112	0.00	4380.00	5.00	0.00
118	-2938	-2950	-1857	-1857	0.00	4380.00	5.00	0.00
118	-2939	-2951	-2952	-2940	0.00	4380.00	5.00	0.00
118	-2915	-2927	-2928	-2916	0.00	4380.00	5.00	0.00
118	-3118	-3130	-1827	-1829	0.00	4380.00	5.00	0.00
118	-2919	-2931	-2932	-2920	0.00	4380.00	5.00	0.00
118	-2922	-2934	-2935	-2923	0.00	4380.00	5.00	0.00
118	-2962	-2974	-1853	-1855	0.00	4380.00	5.00	0.00
118	-96	-3415	-3511	-3512	0.00	4380.00	5.00	0.00
118	-3077	-3089	-3090	-3078	0.00	4380.00	5.00	0.00
118	-2978	-3411	-3410	-2979	0.00	4380.00	5.00	0.00
118	-3080	-3092	-3093	-3081	0.00	4380.00	5.00	0.00
118	-2932	-2944	-2945	-2933	0.00	4380.00	5.00	0.00
118	-3498	-3497	-3143	-3131	0.00	4380.00	5.00	0.00
118	-2986	-3403	-3402	-1851	0.00	4380.00	5.00	0.00
118	-2987	-2999	-3000	-2988	0.00	4380.00	5.00	0.00
118	-3089	-3101	-3102	-3090	0.00	4380.00	5.00	0.00
118	-3506	-3505	-3047	-3035	0.00	4380.00	5.00	0.00
118	-3507	-3506	-3035	-3023	0.00	4380.00	5.00	0.00
118	-76	-74	-3500	-3501	0.00	4380.00	5.00	0.00
118	-2997	-3009	-3010	-2998	0.00	4380.00	5.00	0.00
118	-3404	-2997	-2998	-3403	0.00	4380.00	5.00	0.00
118	-3406	-2995	-2996	-3405	0.00	4380.00	5.00	0.00
118	-3408	-2993	-2994	-3407	0.00	4380.00	5.00	0.00
118	-3410	-2991	-2992	-3409	0.00	4380.00	5.00	0.00
118	-3412	-2989	-2990	-3411	0.00	4380.00	5.00	0.00
118	-1515	-2920	-2921	-1517	0.00	4380.00	5.00	0.00
118	-90	-88	-3507	-3508	0.00	4380.00	5.00	0.00
118	-3060	-3072	-3073	-3061	0.00	4380.00	5.00	0.00
118	-1527	-2926	-1859	103	0.00	4380.00	5.00	0.00
118	-105	2	-3516	-3517	0.00	4380.00	5.00	0.00
118	-3017	-3029	-3030	-3018	0.00	4380.00	5.00	0.00
118	-3019	-3031	-3032	-3020	0.00	4380.00	5.00	0.00
118	-3020	-3032	-3033	-3021	0.00	4380.00	5.00	0.00
118	-2973	-2985	-2986	-2974	0.00	4380.00	5.00	0.00
118	-3125	-3137	-3138	-3126	0.00	4380.00	5.00	0.00
118	-2927	-2939	-2940	-2928	0.00	4380.00	5.00	0.00
118	-2928	-2940	-2941	-2929	0.00	4380.00	5.00	0.00
118	-2979	-3410	-3409	-2980	0.00	4380.00	5.00	0.00
118	-3031	-3043	-3044	-3032	0.00	4380.00	5.00	0.00
118	-2934	-2946	-2947	-2935	0.00	4380.00	5.00	0.00
118	-3136	-3148	-3149	-3137	0.00	4380.00	5.00	0.00
118	-3138	-3150	-3151	-3139	0.00	4380.00	5.00	0.00
118	-3038	-3050	-3051	-3039	0.00	4380.00	5.00	0.00
118	-3041	-3053	-3054	-3042	0.00	4380.00	5.00	0.00
118	-3043	-3055	-3056	-3044	0.00	4380.00	5.00	0.00
118	-2945	-2957	-2958	-2946	0.00	4380.00	5.00	0.00
118	-2947	-2959	-2960	-2948	0.00	4380.00	5.00	0.00
118	-3149	-3161	-3162	-3150	0.00	4380.00	5.00	0.00
118	-3050	-3062	-3063	-3051	0.00	4380.00	5.00	0.00

118	-3108	-3120	-3121	-3109	0.00	4380.00	5.00	0.00
118	-1505	-2915	-2916	-1507	0.00	4380.00	5.00	0.00
118	-3006	-3018	-3019	-3007	0.00	4380.00	5.00	0.00
118	-70	-68	-3497	-3498	0.00	4380.00	5.00	0.00
118	-2980	-3409	-3408	-2981	0.00	4380.00	5.00	0.00
118	-3093	-3105	-3106	-3094	0.00	4380.00	5.00	0.00
118	-2920	-2932	-2933	-2921	0.00	4380.00	5.00	0.00
118	-2921	-2933	-2934	-2922	0.00	4380.00	5.00	0.00
118	-1523	-2924	-2925	-1525	0.00	4380.00	5.00	0.00
118	-3000	-3012	-3013	-3001	0.00	4380.00	5.00	0.00
118	-3004	-3016	-3017	-3005	0.00	4380.00	5.00	0.00
118	-3003	-3015	-3016	-3004	0.00	4380.00	5.00	0.00
118	-3130	-3142	-1825	-1827	0.00	4380.00	5.00	0.00
118	-3132	-3144	-3145	-3133	0.00	4380.00	5.00	0.00
118	-3134	-3146	-3147	-3135	0.00	4380.00	5.00	0.00
118	-3011	-3023	-3024	-3012	0.00	4380.00	5.00	0.00
118	-3013	-3025	-3026	-3014	0.00	4380.00	5.00	0.00
118	-2953	-2965	-2966	-2954	0.00	4380.00	5.00	0.00
118	-3142	-3154	-1823	-1825	0.00	4380.00	5.00	0.00
118	-3143	-3155	-3156	-3144	0.00	4380.00	5.00	0.00
118	-3145	-3157	-3158	-3146	0.00	4380.00	5.00	0.00
118	-3137	-3149	-3150	-3138	0.00	4380.00	5.00	0.00
118	-3086	-3098	-3099	-3087	0.00	4380.00	5.00	0.00
118	-102	-100	-3514	-3515	0.00	4380.00	5.00	0.00
118	-3002	-3014	-3015	-3003	0.00	4380.00	5.00	0.00
118	-3053	-3065	-3066	-3054	0.00	4380.00	5.00	0.00
118	-3056	-3068	-3069	-3057	0.00	4380.00	5.00	0.00
118	-3008	-3020	-3021	-3009	0.00	4380.00	5.00	0.00
118	-3110	-3122	-3123	-3111	0.00	4380.00	5.00	0.00
118	-3139	-3151	-3152	-3140	0.00	4380.00	5.00	0.00
118	-3113	-3125	-3126	-3114	0.00	4380.00	5.00	0.00
118	-3015	-3027	-3028	-3016	0.00	4380.00	5.00	0.00
118	-2941	-2953	-2954	-2942	0.00	4380.00	5.00	0.00
118	-3119	-3131	-3132	-3120	0.00	4380.00	5.00	0.00
118	-2971	-2983	-2984	-2972	0.00	4380.00	5.00	0.00
118	-2948	-2960	-2961	-2949	0.00	4380.00	5.00	0.00
118	-3061	-3073	-3074	-3062	0.00	4380.00	5.00	0.00
118	-2975	-3414	-3413	-2976	0.00	4380.00	5.00	0.00
118	-3129	-3141	-3142	-3130	0.00	4380.00	5.00	0.00
118	-3079	-3091	-3092	-3080	0.00	4380.00	5.00	0.00
118	-2981	-3408	-3407	-2982	0.00	4380.00	5.00	0.00
118	-78	-76	-3501	-3502	0.00	4380.00	5.00	0.00
118	-3499	-3498	-3131	-3119	0.00	4380.00	5.00	0.00
118	-94	-92	-3509	-3510	0.00	4380.00	5.00	0.00
118	-2989	-3001	-3002	-2990	0.00	4380.00	5.00	0.00
118	-2990	-3002	-3003	-2991	0.00	4380.00	5.00	0.00
118	-3092	-3104	-3105	-3093	0.00	4380.00	5.00	0.00
118	-2995	-3007	-3008	-2996	0.00	4380.00	5.00	0.00
118	-3147	-3159	-3160	-3148	0.00	4380.00	5.00	0.00
118	-92	-90	-3508	-3509	0.00	4380.00	5.00	0.00
118	-2999	-3011	-3012	-3000	0.00	4380.00	5.00	0.00
118	-3407	-2994	-2995	-3406	0.00	4380.00	5.00	0.00
118	-3409	-2992	-2993	-3408	0.00	4380.00	5.00	0.00
118	-3005	-3017	-3018	-3006	0.00	4380.00	5.00	0.00
118	-1513	-2919	-2920	-1515	0.00	4380.00	5.00	0.00
118	-3010	-3022	-1845	-1847	0.00	4380.00	5.00	0.00
118	-2960	-2972	-2973	-2961	0.00	4380.00	5.00	0.00
118	-3012	-3024	-3025	-3013	0.00	4380.00	5.00	0.00
118	-3115	-3127	-3128	-3116	0.00	4380.00	5.00	0.00
118	-72	-70	-3498	-3499	0.00	4380.00	5.00	0.00
118	-2917	-2929	-2930	-2918	0.00	4380.00	5.00	0.00
118	-2969	-2981	-2982	-2970	0.00	4380.00	5.00	0.00
118	-3123	-3135	-3136	-3124	0.00	4380.00	5.00	0.00
118	-3124	-3136	-3137	-3125	0.00	4380.00	5.00	0.00
118	-3126	-3138	-3139	-3127	0.00	4380.00	5.00	0.00
118	2	-102	-3515	-3516	0.00	4380.00	5.00	0.00
118	-3029	-3041	-3042	-3030	0.00	4380.00	5.00	0.00
118	-3131	-3143	-3144	-3132	0.00	4380.00	5.00	0.00
118	-3133	-3145	-3146	-3134	0.00	4380.00	5.00	0.00
118	-3135	-3147	-3148	-3136	0.00	4380.00	5.00	0.00
118	-2936	-2948	-2949	-2937	0.00	4380.00	5.00	0.00
118	-2950	-2962	-1855	-1857	0.00	4380.00	5.00	0.00
118	-3141	-3153	-3154	-3142	0.00	4380.00	5.00	0.00
118	-68	-66	-3496	-3497	0.00	4380.00	5.00	0.00
118	-3144	-3156	-3157	-3145	0.00	4380.00	5.00	0.00
118	-2946	-2958	-2959	-2947	0.00	4380.00	5.00	0.00
118	-3148	-3160	-3161	-3149	0.00	4380.00	5.00	0.00
118	-3049	-3061	-3062	-3050	0.00	4380.00	5.00	0.00
118	-2952	-2964	-2965	-2953	0.00	4380.00	5.00	0.00

118	-2951	-2963	-2964	-2952	0.00	4380.00	5.00	0.00
118	-3054	-3066	-3067	-3055	0.00	4380.00	5.00	0.00
118	-2956	-2968	-2969	-2957	0.00	4380.00	5.00	0.00
118	-3414	-2987	-2988	-3413	0.00	4380.00	5.00	0.00
118	-1519	-2922	-2923	-1521	0.00	4380.00	5.00	0.00
118	-3501	-3500	-3107	-3095	0.00	4380.00	5.00	0.00
118	-2963	-2975	-2976	-2964	0.00	4380.00	5.00	0.00
118	-2965	-2977	-2978	-2966	0.00	4380.00	5.00	0.00
118	-3068	-3080	-3081	-3069	0.00	4380.00	5.00	0.00
118	-3070	-3082	-1835	-1837	0.00	4380.00	5.00	0.00
118	-80	-78	-3502	-3503	0.00	4380.00	5.00	0.00
118	-3072	-3084	-3085	-3073	0.00	4380.00	5.00	0.00
118	-3074	-3086	-3087	-3075	0.00	4380.00	5.00	0.00
118	-2976	-3413	-3412	-2977	0.00	4380.00	5.00	0.00
118	-3078	-3090	-3091	-3079	0.00	4380.00	5.00	0.00
118	-2916	-2928	-2929	-2917	0.00	4380.00	5.00	0.00
118	-74	-72	-3499	-3500	0.00	4380.00	5.00	0.00
118	-3497	-3496	-3155	-3143	0.00	4380.00	5.00	0.00
118	-3085	-3097	-3098	-3086	0.00	4380.00	5.00	0.00
118	-3087	-3099	-3100	-3088	0.00	4380.00	5.00	0.00
118	-2988	-3000	-3001	-2989	0.00	4380.00	5.00	0.00
118	-3505	-3504	-3059	-3047	0.00	4380.00	5.00	0.00
118	-2942	-2954	-2955	-2943	0.00	4380.00	5.00	0.00
118	-2994	-3006	-3007	-2995	0.00	4380.00	5.00	0.00
118	-3096	-3108	-3109	-3097	0.00	4380.00	5.00	0.00
118	-3098	-3110	-3111	-3099	0.00	4380.00	5.00	0.00
118	-3516	-3515	-2939	-2927	0.00	4380.00	5.00	0.00
118	-3102	-3114	-3115	-3103	0.00	4380.00	5.00	0.00
118	-3064	-3076	-3077	-3065	0.00	4380.00	5.00	0.00
118	-1509	-2917	-2918	-1511	0.00	4380.00	5.00	0.00
118	-3107	-3119	-3120	-3108	0.00	4380.00	5.00	0.00
118	-3415	-94	-3510	-3511	0.00	4380.00	5.00	0.00
118	-3500	-3499	-3119	-3107	0.00	4380.00	5.00	0.00
118	-3036	-3048	-3049	-3037	0.00	4380.00	5.00	0.00
118	-3014	-3026	-3027	-3015	0.00	4380.00	5.00	0.00
118	-2940	-2952	-2953	-2941	0.00	4380.00	5.00	0.00
118	-3018	-3030	-3031	-3019	0.00	4380.00	5.00	0.00
118	-3045	-3057	-3058	-3046	0.00	4380.00	5.00	0.00
118	-2923	-2935	-2936	-2924	0.00	4380.00	5.00	0.00
118	-2924	-2936	-2937	-2925	0.00	4380.00	5.00	0.00
118	-3127	-3139	-3140	-3128	0.00	4380.00	5.00	0.00
118	-3039	-3051	-3052	-3040	0.00	4380.00	5.00	0.00
118	-3016	-3028	-3029	-3017	0.00	4380.00	5.00	0.00
118	-3106	-3118	-1829	-1831	0.00	4380.00	5.00	0.00
118	-2933	-2945	-2946	-2934	0.00	4380.00	5.00	0.00
118	-2935	-2947	-2948	-2936	0.00	4380.00	5.00	0.00
118	-3037	-3049	-3050	-3038	0.00	4380.00	5.00	0.00
118	-3062	-3074	-3075	-3063	0.00	4380.00	5.00	0.00
118	-3065	-3077	-3078	-3066	0.00	4380.00	5.00	0.00
118	-3042	-3054	-3055	-3043	0.00	4380.00	5.00	0.00
118	-3044	-3056	-3057	-3045	0.00	4380.00	5.00	0.00
118	-3046	-3058	-1839	-1841	0.00	4380.00	5.00	0.00
118	-3047	-3059	-3060	-3048	0.00	4380.00	5.00	0.00
118	3	-105	-3517	-3518	0.00	4380.00	5.00	0.00
118	-3405	-2996	-2997	-3404	0.00	4380.00	5.00	0.00
118	-3504	-3503	-3071	-3059	0.00	4380.00	5.00	0.00
118	-3411	-2990	-2991	-3410	0.00	4380.00	5.00	0.00
118	-3024	-3036	-3037	-3025	0.00	4380.00	5.00	0.00
118	-3058	-3070	-1837	-1839	0.00	4380.00	5.00	0.00
118	-3022	-3034	-1843	-1845	0.00	4380.00	5.00	0.00
118	-2998	-3010	-1847	-1849	0.00	4380.00	5.00	0.00
118	-3515	-3514	-2951	-2939	0.00	4380.00	5.00	0.00
118	-2996	-3008	-3009	-2997	0.00	4380.00	5.00	0.00
118	-3071	-3083	-3084	-3072	0.00	4380.00	5.00	0.00
118	-3513	-3512	-2975	-2963	0.00	4380.00	5.00	0.00
118	-3403	-2998	-1849	-3402	0.00	4380.00	5.00	0.00
119	-3182	-3194	-3195	-3183	0.00	4380.00	5.00	0.00
119	-3319	-3331	-3332	-3320	0.00	4380.00	5.00	0.00
119	-66	-64	-3495	-3496	0.00	4380.00	5.00	0.00
119	-3493	-3492	-3203	-3191	0.00	4380.00	5.00	0.00
119	-3331	-3343	-3344	-3332	0.00	4380.00	5.00	0.00
119	-3310	-3322	-1795	-1797	0.00	4380.00	5.00	0.00
119	-3312	-3324	-3325	-3313	0.00	4380.00	5.00	0.00
119	-3282	-3294	-3295	-3283	0.00	4380.00	5.00	0.00
119	-3155	-3167	-3168	-3156	0.00	4380.00	5.00	0.00
119	-3316	-3328	-3329	-3317	0.00	4380.00	5.00	0.00
119	-3193	-3205	-3206	-3194	0.00	4380.00	5.00	0.00
119	-3320	-3332	-3333	-3321	0.00	4380.00	5.00	0.00
119	-3185	-3197	-3198	-3186	0.00	4380.00	5.00	0.00

118	-3103	-3115	-3116	-3104	0.00	4380.00	5.00	0.00
118	-3105	-3117	-3118	-3106	0.00	4380.00	5.00	0.00
118	-3007	-3019	-3020	-3008	0.00	4380.00	5.00	0.00
118	-3009	-3021	-3022	-3010	0.00	4380.00	5.00	0.00
118	-3059	-3071	-3072	-3060	0.00	4380.00	5.00	0.00
118	-98	-96	-3512	-3513	0.00	4380.00	5.00	0.00
118	-2964	-2976	-2977	-2965	0.00	4380.00	5.00	0.00
118	-3117	-3129	-3130	-3118	0.00	4380.00	5.00	0.00
118	-2967	-2979	-2980	-2968	0.00	4380.00	5.00	0.00
118	-2968	-2980	-2981	-2969	0.00	4380.00	5.00	0.00
118	-3122	-3134	-3135	-3123	0.00	4380.00	5.00	0.00
118	-2974	-2986	-1851	-1853	0.00	4380.00	5.00	0.00
118	-3075	-3087	-3088	-3076	0.00	4380.00	5.00	0.00
118	-3076	-3088	-3089	-3077	0.00	4380.00	5.00	0.00
118	-3027	-3039	-3040	-3028	0.00	4380.00	5.00	0.00
118	-3081	-3093	-3094	-3082	0.00	4380.00	5.00	0.00
118	-3032	-3044	-3045	-3033	0.00	4380.00	5.00	0.00
118	-3034	-3046	-1841	-1843	0.00	4380.00	5.00	0.00
118	-3035	-3047	-3048	-3036	0.00	4380.00	5.00	0.00
118	-3503	-3502	-3083	-3071	0.00	4380.00	5.00	0.00
118	-3090	-3102	-3103	-3091	0.00	4380.00	5.00	0.00
118	-3104	-3116	-3117	-3105	0.00	4380.00	5.00	0.00
118	-3509	-3508	-3011	-2999	0.00	4380.00	5.00	0.00
118	-3510	-3509	-2999	-2987	0.00	4380.00	5.00	0.00
118	-3097	-3109	-3110	-3098	0.00	4380.00	5.00	0.00
118	-3099	-3111	-3112	-3100	0.00	4380.00	5.00	0.00
118	-3101	-3113	-3114	-3102	0.00	4380.00	5.00	0.00
118	-3518	-3517	-2915	-1505	0.00	4380.00	5.00	0.00
118	-2966	-2978	-2979	-2967	0.00	4380.00	5.00	0.00
118	-3055	-3067	-3068	-3056	0.00	4380.00	5.00	0.00
118	-3057	-3069	-3070	-3058	0.00	4380.00	5.00	0.00
118	-2959	-2971	-2972	-2960	0.00	4380.00	5.00	0.00
118	-2961	-2973	-2974	-2962	0.00	4380.00	5.00	0.00
118	-3063	-3075	-3076	-3064	0.00	4380.00	5.00	0.00
118	-3028	-3040	-3041	-3029	0.00	4380.00	5.00	0.00
118	-3067	-3079	-3080	-3068	0.00	4380.00	5.00	0.00
118	-2944	-2956	-2957	-2945	0.00	4380.00	5.00	0.00
118	-3021	-3033	-3034	-3022	0.00	4380.00	5.00	0.00
118	-88	-86	-3506	-3507	0.00	4380.00	5.00	0.00
118	-2925	-2937	-2938	-2926	0.00	4380.00	5.00	0.00
118	-3026	-3038	-3039	-3027	0.00	4380.00	5.00	0.00
118	-2977	-3412	-3411	-2978	0.00	4380.00	5.00	0.00
118	-3030	-3042	-3043	-3031	0.00	4380.00	5.00	0.00
118	-2958	-2970	-2971	-2959	0.00	4380.00	5.00	0.00
118	-82	-80	-3503	-3504	0.00	4380.00	5.00	0.00
118	-86	-84	-3505	-3506	0.00	4380.00	5.00	0.00
118	-3502	-3501	-3095	-3083	0.00	4380.00	5.00	0.00
118	-3051	-3063	-3064	-3052	0.00	4380.00	5.00	0.00
118	-3040	-3052	-3053	-3041	0.00	4380.00	5.00	0.00
118	-3069	-3081	-3082	-3070	0.00	4380.00	5.00	0.00
118	-3413	-2988	-2989	-3412	0.00	4380.00	5.00	0.00
118	-84	-82	-3504	-3505	0.00	4380.00	5.00	0.00
118	-2949	-2961	-2962	-2950	0.00	4380.00	5.00	0.00
118	-2926	-2938	-1857	-1859	0.00	4380.00	5.00	0.00
118	-3025	-3037	-3038	-3026	0.00	4380.00	5.00	0.00
118	-3066	-3078	-3079	-3067	0.00	4380.00	5.00	0.00
118	-3073	-3085	-3086	-3074	0.00	4380.00	5.00	0.00
118	-3033	-3045	-3046	-3034	0.00	4380.00	5.00	0.00
118	-2972	-2984	-2985	-2973	0.00	4380.00	5.00	0.00
118	-3512	-3511	-3414	-2975	0.00	4380.00	5.00	0.00
118	-3023	-3035	-3036	-3024	0.00	4380.00	5.00	0.00
118	-3517	-3516	-2927	-2915	0.00	4380.00	5.00	0.00
118	-2957	-2969	-2970	-2958	0.00	4380.00	5.00	0.00
118	-3514	-3513	-2963	-2951	0.00	4380.00	5.00	0.00
118	-3048	-3060	-3061	-3049	0.00	4380.00	5.00	0.00
118	-2970	-2982	-2983	-2971	0.00	4380.00	5.00	0.00
119	-3322	-3334	-1793	-1795	0.00	4380.00	5.00	0.00
119	-3344	-3356	-3357	-3345	0.00	4380.00	5.00	0.00
119	-62	-60	-3493	-3494	0.00	4380.00	5.00	0.00
119	-3321	-3333	-3334	-3322	0.00	4380.00	5.00	0.00
119	-3171	-3183	-3184	-3172	0.00	4380.00	5.00	0.00
119	-3311	-3323	-3324	-3312	0.00	4380.00	5.00	0.00
119	-3280	-3292	-3293	-3281	0.00	4380.00	5.00	0.00
119	-3340	-3352	-3353	-3341	0.00	4380.00	5.00	0.00
119	-3330	-3342	-3343	-3331	0.00	4380.00	5.00	0.00
119	-3192	-3204	-3205	-3193	0.00	4380.00	5.00	0.00
119	-3292	-3304	-3305	-3293	0.00	4380.00	5.00	0.00
119	-3296	-3308	-3309	-3297	0.00	4380.00	5.00	0.00
119	-3285	-3297	-3298	-3286	0.00	4380.00	5.00	0.00

119	-3262	-3274	-1803	-1805	0.00	4380.00	5.00	0.00
119	-3151	-3163	-3164	-3152	0.00	4380.00	5.00	0.00
119	-3354	-1688	-1690	-3355	0.00	4380.00	5.00	0.00
119	-3203	-3215	-3216	-3204	0.00	4380.00	5.00	0.00
119	-3256	-3268	-3269	-3257	0.00	4380.00	5.00	0.00
119	-3183	-3195	-3196	-3184	0.00	4380.00	5.00	0.00
119	-3284	-3296	-3297	-3285	0.00	4380.00	5.00	0.00
119	-3187	-3199	-3200	-3188	0.00	4380.00	5.00	0.00
119	-3190	-3202	-1815	-1817	0.00	4380.00	5.00	0.00
119	-3215	-3227	-3228	-3216	0.00	4380.00	5.00	0.00
119	-3342	-3354	-3355	-3343	0.00	4380.00	5.00	0.00
119	-3318	-3330	-3331	-3319	0.00	4380.00	5.00	0.00
119	-3483	-3482	-3323	-3311	0.00	4380.00	5.00	0.00
119	-3211	-3223	-3224	-3212	0.00	4380.00	5.00	0.00
119	-3261	-3273	-3274	-3262	0.00	4380.00	5.00	0.00
119	-3314	-3326	-3327	-3315	0.00	4380.00	5.00	0.00
119	-3327	-3339	-3340	-3328	0.00	4380.00	5.00	0.00
119	-3229	-3241	-3242	-3230	0.00	4380.00	5.00	0.00
119	-3332	-3344	-3345	-3333	0.00	4380.00	5.00	0.00
119	-3184	-3196	-3197	-3185	0.00	4380.00	5.00	0.00
119	-3337	-3349	-3350	-3338	0.00	4380.00	5.00	0.00
119	-3213	-3225	-3226	-3214	0.00	4380.00	5.00	0.00
119	-3338	-3350	-3351	-3339	0.00	4380.00	5.00	0.00
119	-3191	-3203	-3204	-3192	0.00	4380.00	5.00	0.00
119	-3293	-3305	-3306	-3294	0.00	4380.00	5.00	0.00
119	-3195	-3207	-3208	-3196	0.00	4380.00	5.00	0.00
119	-34	4	-3479	-3480	0.00	4380.00	5.00	0.00
119	-3173	-3185	-3186	-3174	0.00	4380.00	5.00	0.00
119	-3339	-3351	-3352	-3340	0.00	4380.00	5.00	0.00
119	-3153	-3165	-3166	-3154	0.00	4380.00	5.00	0.00
119	-3253	-3265	-3266	-3254	0.00	4380.00	5.00	0.00
119	-3356	-1692	-1694	-3357	0.00	4380.00	5.00	0.00
119	-3333	-3345	-3346	-3334	0.00	4380.00	5.00	0.00
119	-3210	-3222	-3223	-3211	0.00	4380.00	5.00	0.00
119	-3260	-3272	-3273	-3261	0.00	4380.00	5.00	0.00
119	-3163	-3175	-3176	-3164	0.00	4380.00	5.00	0.00
119	-3165	-3177	-3178	-3166	0.00	4380.00	5.00	0.00
119	-3241	-3253	-3254	-3242	0.00	4380.00	5.00	0.00
119	-3481	-3480	-3347	-3335	0.00	4380.00	5.00	0.00
119	-3169	-3181	-3182	-3170	0.00	4380.00	5.00	0.00
119	-38	-36	-3481	-3482	0.00	4380.00	5.00	0.00
119	-44	-42	-3484	-3485	0.00	4380.00	5.00	0.00
119	-3489	-3488	-3251	-3239	0.00	4380.00	5.00	0.00
119	-3491	-3490	-3227	-3215	0.00	4380.00	5.00	0.00
119	-3492	-3491	-3215	-3203	0.00	4380.00	5.00	0.00
119	-3495	-3494	-3179	-3167	0.00	4380.00	5.00	0.00
119	-3232	-3244	-3245	-3233	0.00	4380.00	5.00	0.00
119	-3234	-3246	-3247	-3235	0.00	4380.00	5.00	0.00
119	-3236	-3248	-3249	-3237	0.00	4380.00	5.00	0.00
119	-3288	-3300	-3301	-3289	0.00	4380.00	5.00	0.00
119	-60	-58	-3492	-3493	0.00	4380.00	5.00	0.00
119	-3317	-3329	-3330	-3318	0.00	4380.00	5.00	0.00
119	-3294	-3306	-3307	-3295	0.00	4380.00	5.00	0.00
119	-3295	-3307	-3308	-3296	0.00	4380.00	5.00	0.00
119	-3348	-1676	-1678	-3349	0.00	4380.00	5.00	0.00
119	-3250	-3262	-1805	-1807	0.00	4380.00	5.00	0.00
119	-3202	-3214	-1813	-1815	0.00	4380.00	5.00	0.00
119	-3303	-3315	-3316	-3304	0.00	4380.00	5.00	0.00
119	-3305	-3317	-3318	-3306	0.00	4380.00	5.00	0.00
119	-3307	-3319	-3320	-3308	0.00	4380.00	5.00	0.00
119	-3358	-1696	14	-1789	0.00	4380.00	5.00	0.00
119	-3159	-3171	-3172	-3160	0.00	4380.00	5.00	0.00
119	-3161	-3173	-3174	-3162	0.00	4380.00	5.00	0.00
119	-3263	-3275	-3276	-3264	0.00	4380.00	5.00	0.00
119	-3264	-3276	-3277	-3265	0.00	4380.00	5.00	0.00
119	-3167	-3179	-3180	-3168	0.00	4380.00	5.00	0.00
119	-3482	-3481	-3335	-3323	0.00	4380.00	5.00	0.00
119	-3221	-3233	-3234	-3222	0.00	4380.00	5.00	0.00
119	-3223	-3235	-3236	-3224	0.00	4380.00	5.00	0.00
119	-3325	-3337	-3338	-3326	0.00	4380.00	5.00	0.00
119	-54	-52	-3489	-3490	0.00	4380.00	5.00	0.00
119	-3227	-3239	-3240	-3228	0.00	4380.00	5.00	0.00
119	-3230	-3242	-3243	-3231	0.00	4380.00	5.00	0.00
119	-3158	-3170	-3171	-3159	0.00	4380.00	5.00	0.00
119	-3259	-3271	-3272	-3260	0.00	4380.00	5.00	0.00
119	-3235	-3247	-3248	-3236	0.00	4380.00	5.00	0.00
119	-3287	-3299	-3300	-3288	0.00	4380.00	5.00	0.00
119	-3239	-3251	-3252	-3240	0.00	4380.00	5.00	0.00
119	-3216	-3228	-3229	-3217	0.00	4380.00	5.00	0.00

119	-3214	-3226	-1811	-1813	0.00	4380.00	5.00	0.00
119	-3180	-3192	-3193	-3181	0.00	4380.00	5.00	0.00
119	-3353	-1686	-1688	-3354	0.00	4380.00	5.00	0.00
119	-3204	-3216	-3217	-3205	0.00	4380.00	5.00	0.00
119	-3181	-3193	-3194	-3182	0.00	4380.00	5.00	0.00
119	-3309	-3321	-3322	-3310	0.00	4380.00	5.00	0.00
119	-3212	-3224	-3225	-3213	0.00	4380.00	5.00	0.00
119	-3313	-3325	-3326	-3314	0.00	4380.00	5.00	0.00
119	-3154	-3166	-1821	-1823	0.00	4380.00	5.00	0.00
119	-3315	-3327	-3328	-3316	0.00	4380.00	5.00	0.00
119	-3217	-3229	-3230	-3218	0.00	4380.00	5.00	0.00
119	-3219	-3231	-3232	-3220	0.00	4380.00	5.00	0.00
119	-3220	-3232	-3233	-3221	0.00	4380.00	5.00	0.00
119	-3162	-3174	-3175	-3163	0.00	4380.00	5.00	0.00
119	-3201	-3213	-3214	-3202	0.00	4380.00	5.00	0.00
119	-3277	-3289	-3290	-3278	0.00	4380.00	5.00	0.00
119	-3329	-3341	-3342	-3330	0.00	4380.00	5.00	0.00
119	-3179	-3191	-3192	-3180	0.00	4380.00	5.00	0.00
119	-3496	-3495	-3167	-3155	0.00	4380.00	5.00	0.00
119	-36	-34	-3480	-3481	0.00	4380.00	5.00	0.00
119	-3160	-3172	-3173	-3161	0.00	4380.00	5.00	0.00
119	-3176	-3188	-3189	-3177	0.00	4380.00	5.00	0.00
119	-52	-50	-3488	-3489	0.00	4380.00	5.00	0.00
119	-3291	-3303	-3304	-3292	0.00	4380.00	5.00	0.00
119	-3243	-3255	-3256	-3244	0.00	4380.00	5.00	0.00
119	-3346	-3358	-1789	-1791	0.00	4380.00	5.00	0.00
119	-3347	-1674	-1676	-3348	0.00	4380.00	5.00	0.00
119	-3336	-3348	-3349	-3337	0.00	4380.00	5.00	0.00
119	-50	-48	-3487	-3488	0.00	4380.00	5.00	0.00
119	-3252	-3264	-3265	-3253	0.00	4380.00	5.00	0.00
119	-3254	-3266	-3267	-3255	0.00	4380.00	5.00	0.00
119	-3156	-3168	-3169	-3157	0.00	4380.00	5.00	0.00
119	-3208	-3220	-3221	-3209	0.00	4380.00	5.00	0.00
119	-40	-38	-3482	-3483	0.00	4380.00	5.00	0.00
119	-3175	-3187	-3188	-3176	0.00	4380.00	5.00	0.00
119	-3164	-3176	-3177	-3165	0.00	4380.00	5.00	0.00
119	-3166	-3178	-1819	-1821	0.00	4380.00	5.00	0.00
119	-3268	-3280	-3281	-3269	0.00	4380.00	5.00	0.00
119	-3270	-3282	-3283	-3271	0.00	4380.00	5.00	0.00
119	-3271	-3283	-3284	-3272	0.00	4380.00	5.00	0.00
119	-3485	-3484	-3299	-3287	0.00	4380.00	5.00	0.00
119	-46	-44	-3485	-3486	0.00	4380.00	5.00	0.00
119	-3177	-3189	-3190	-3178	0.00	4380.00	5.00	0.00
119	-3278	-3290	-3291	-3279	0.00	4380.00	5.00	0.00
119	-3279	-3291	-3292	-3280	0.00	4380.00	5.00	0.00
119	-3281	-3293	-3294	-3282	0.00	4380.00	5.00	0.00
119	-3283	-3295	-3296	-3284	0.00	4380.00	5.00	0.00
119	-3186	-3198	-3199	-3187	0.00	4380.00	5.00	0.00
119	-3188	-3200	-3201	-3189	0.00	4380.00	5.00	0.00
119	-3189	-3201	-3202	-3190	0.00	4380.00	5.00	0.00
119	-3290	-3302	-3303	-3291	0.00	4380.00	5.00	0.00
119	-3343	-3355	-3356	-3344	0.00	4380.00	5.00	0.00
119	-3194	-3206	-3207	-3195	0.00	4380.00	5.00	0.00
119	-3197	-3209	-3210	-3198	0.00	4380.00	5.00	0.00
119	-3174	-3186	-3187	-3175	0.00	4380.00	5.00	0.00
119	-3300	-3312	-3313	-3301	0.00	4380.00	5.00	0.00
119	-58	-56	-3491	-3492	0.00	4380.00	5.00	0.00
119	-3304	-3316	-3317	-3305	0.00	4380.00	5.00	0.00
119	-3206	-3218	-3219	-3207	0.00	4380.00	5.00	0.00
119	-3308	-3320	-3321	-3309	0.00	4380.00	5.00	0.00
119	-3209	-3221	-3222	-3210	0.00	4380.00	5.00	0.00
119	-3286	-3298	-1799	-1801	0.00	4380.00	5.00	0.00
119	-3237	-3249	-3250	-3238	0.00	4380.00	5.00	0.00
119	-56	-54	-3490	-3491	0.00	4380.00	5.00	0.00
119	-64	-62	-3494	-3495	0.00	4380.00	5.00	0.00
119	-3218	-3230	-3231	-3219	0.00	4380.00	5.00	0.00
119	-3245	-3257	-3258	-3246	0.00	4380.00	5.00	0.00
119	-3323	-3335	-3336	-3324	0.00	4380.00	5.00	0.00
119	-3324	-3336	-3337	-3325	0.00	4380.00	5.00	0.00
119	-3328	-3340	-3341	-3329	0.00	4380.00	5.00	0.00
119	-3228	-3240	-3241	-3229	0.00	4380.00	5.00	0.00
119	-3355	-1690	-1692	-3356	0.00	4380.00	5.00	0.00
119	-3231	-3243	-3244	-3232	0.00	4380.00	5.00	0.00
119	-3334	-3346	-1791	-1793	0.00	4380.00	5.00	0.00
119	-3335	-3347	-3348	-3336	0.00	4380.00	5.00	0.00
119	-3238	-3250	-1807	-1809	0.00	4380.00	5.00	0.00
119	-48	-46	-3486	-3487	0.00	4380.00	5.00	0.00
119	-3341	-3353	-3354	-3342	0.00	4380.00	5.00	0.00
119	-3242	-3254	-3255	-3243	0.00	4380.00	5.00	0.00

119	-3269	-3281	-3282	-3270	0.00	4380.00	5.00	0.00
119	-3207	-3219	-3220	-3208	0.00	4380.00	5.00	0.00
119	-3247	-3259	-3260	-3248	0.00	4380.00	5.00	0.00
119	-3349	-1678	-1680	-3350	0.00	4380.00	5.00	0.00
119	-3351	-1682	-1684	-3352	0.00	4380.00	5.00	0.00
119	-3352	-1684	-1686	-3353	0.00	4380.00	5.00	0.00
119	-3266	-3278	-3279	-3267	0.00	4380.00	5.00	0.00
119	-3357	-1694	-1696	-3358	0.00	4380.00	5.00	0.00
119	-3257	-3269	-3270	-3258	0.00	4380.00	5.00	0.00
119	-3172	-3184	-3185	-3173	0.00	4380.00	5.00	0.00
119	-3487	-3486	-3275	-3263	0.00	4380.00	5.00	0.00
119	-3275	-3287	-3288	-3276	0.00	4380.00	5.00	0.00
119	-3178	-3190	-1817	-1819	0.00	4380.00	5.00	0.00
119	-3267	-3279	-3280	-3268	0.00	4380.00	5.00	0.00
119	-3306	-3318	-3319	-3307	0.00	4380.00	5.00	0.00
119	-3486	-3485	-3287	-3275	0.00	4380.00	5.00	0.00
119	-3297	-3309	-3310	-3298	0.00	4380.00	5.00	0.00
119	-42	-40	-3483	-3484	0.00	4380.00	5.00	0.00
119	-3276	-3288	-3289	-3277	0.00	4380.00	5.00	0.00
119	-3226	-3238	-1809	-1811	0.00	4380.00	5.00	0.00
119	-3494	-3493	-3191	-3179	0.00	4380.00	5.00	0.00
119	-3244	-3256	-3257	-3245	0.00	4380.00	5.00	0.00
119	-3301	-3313	-3314	-3302	0.00	4380.00	5.00	0.00
119	-3272	-3284	-3285	-3273	0.00	4380.00	5.00	0.00
119	-3224	-3236	-3237	-3225	0.00	4380.00	5.00	0.00
119	-3225	-3237	-3238	-3226	0.00	4380.00	5.00	0.00
119	-3251	-3263	-3264	-3252	0.00	4380.00	5.00	0.00
119	-3255	-3267	-3268	-3256	0.00	4380.00	5.00	0.00
119	-3299	-3311	-3312	-3300	0.00	4380.00	5.00	0.00
119	-3298	-3310	-1797	-1799	0.00	4380.00	5.00	0.00

119	-3345	-3357	-3358	-3346	0.00	4380.00	5.00	0.00
119	-3246	-3258	-3259	-3247	0.00	4380.00	5.00	0.00
119	-3248	-3260	-3261	-3249	0.00	4380.00	5.00	0.00
119	-3150	-3162	-3163	-3151	0.00	4380.00	5.00	0.00
119	-3152	-3164	-3165	-3153	0.00	4380.00	5.00	0.00
119	-3240	-3252	-3253	-3241	0.00	4380.00	5.00	0.00
119	-3205	-3217	-3218	-3206	0.00	4380.00	5.00	0.00
119	-3168	-3180	-3181	-3169	0.00	4380.00	5.00	0.00
119	-3258	-3270	-3271	-3259	0.00	4380.00	5.00	0.00
119	-3273	-3285	-3286	-3274	0.00	4380.00	5.00	0.00
119	-3488	-3487	-3263	-3251	0.00	4380.00	5.00	0.00
119	-3265	-3277	-3278	-3266	0.00	4380.00	5.00	0.00
119	-3302	-3314	-3315	-3303	0.00	4380.00	5.00	0.00
119	-3480	-3479	-1674	-3347	0.00	4380.00	5.00	0.00
119	-3157	-3169	-3170	-3158	0.00	4380.00	5.00	0.00
119	-3196	-3208	-3209	-3197	0.00	4380.00	5.00	0.00
119	-3199	-3211	-3212	-3200	0.00	4380.00	5.00	0.00
119	-3200	-3212	-3213	-3201	0.00	4380.00	5.00	0.00
119	-3289	-3301	-3302	-3290	0.00	4380.00	5.00	0.00
119	-3490	-3489	-3239	-3227	0.00	4380.00	5.00	0.00
119	-3222	-3234	-3235	-3223	0.00	4380.00	5.00	0.00
119	-3233	-3245	-3246	-3234	0.00	4380.00	5.00	0.00
119	-3484	-3483	-3311	-3299	0.00	4380.00	5.00	0.00
119	-3198	-3210	-3211	-3199	0.00	4380.00	5.00	0.00
119	-3350	-1680	-1682	-3351	0.00	4380.00	5.00	0.00
119	-3274	-3286	-1801	-1803	0.00	4380.00	5.00	0.00
119	-3170	-3182	-3183	-3171	0.00	4380.00	5.00	0.00
119	-3326	-3338	-3339	-3327	0.00	4380.00	5.00	0.00
119	-3249	-3261	-3262	-3250	0.00	4380.00	5.00	0.00

Condizione di carico n. 4: spinta sovraccarico
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
112	-1565	-1577	-1578	-1566	M	L	0.00	-770.00	0.00
112	-1584	-1520	-1522	-1585	M	L	0.00	-770.00	0.00
112	-1533	-1545	-1546	-1534	M	L	0.00	-770.00	0.00
112	-1544	-1556	-1557	-1545	M	L	0.00	-770.00	0.00
112	-1585	-1522	-1524	-1586	M	L	0.00	-770.00	0.00
112	-1579	-1510	-1512	-1580	M	L	0.00	-770.00	0.00
112	-1563	-1575	-1502	-1501	M	L	0.00	-770.00	0.00
112	-1558	-1570	-1571	-1559	M	L	0.00	-770.00	0.00
112	-1562	-1574	-1575	-1563	M	L	0.00	-770.00	0.00
112	-1570	-1582	-1583	-1571	M	L	0.00	-770.00	0.00
112	-1546	-1558	-1559	-1547	M	L	0.00	-770.00	0.00
112	-1575	-1587	-1503	-1502	M	L	0.00	-770.00	0.00
112	-1557	-1569	-1570	-1558	M	L	0.00	-770.00	0.00
112	-1543	-1555	-1556	-1544	M	L	0.00	-770.00	0.00
112	-1535	-1547	-1548	-1536	M	L	0.00	-770.00	0.00
112	-1564	-1576	-1577	-1565	M	L	0.00	-770.00	0.00
112	-1538	-1550	-1551	-1539	M	L	0.00	-770.00	0.00
112	-1559	-1571	-1572	-1560	M	L	0.00	-770.00	0.00
112	-1547	-1559	-1560	-1548	M	L	0.00	-770.00	0.00
112	-1574	-1586	-1587	-1575	M	L	0.00	-770.00	0.00
112	-1532	-1544	-1545	-1533	M	L	0.00	-770.00	0.00
112	-1542	-1554	-1555	-1543	M	L	0.00	-770.00	0.00
112	-1534	-1546	-1547	-1535	M	L	0.00	-770.00	0.00
112	-1536	-1548	-1549	-1537	M	L	0.00	-770.00	0.00
112	-1586	-1524	-1526	-1587	M	L	0.00	-770.00	0.00
112	-1561	-1573	-1574	-1562	M	L	0.00	-770.00	0.00
112	-1505	-1528	-1529	-1507	M	L	0.00	770.00	0.00
112	-1577	-1506	-1508	-1578	M	L	0.00	-770.00	0.00
112	-1540	-1552	-1553	-1541	M	L	0.00	-770.00	0.00
112	-1548	-1560	-1561	-1549	M	L	0.00	-770.00	0.00
112	-1531	-1543	-1544	-1532	M	L	0.00	-770.00	0.00
112	-1545	-1557	-1558	-1546	M	L	0.00	-770.00	0.00
112	-3520	-3521	-1552	-1540	M	L	0.00	-770.00	0.00
112	-1528	-1540	-1541	-1529	M	L	0.00	-770.00	0.00
112	-3523	-3524	-1504	-1576	M	L	0.00	-770.00	0.00
112	-1571	-1583	-1584	-1572	M	L	0.00	-770.00	0.00
112	-1550	-1562	-1563	-1551	M	L	0.00	-770.00	0.00
112	-1568	-1580	-1581	-1569	M	L	0.00	-770.00	0.00
112	-1519	-1535	-1536	-1521	M	L	0.00	770.00	0.00
112	-1566	-1578	-1579	-1567	M	L	0.00	-770.00	0.00
112	-1530	-1542	-1543	-1531	M	L	0.00	-770.00	0.00
112	-1537	-1549	-1550	-1538	M	L	0.00	-770.00	0.00
112	-1576	-1504	-1506	-1577	M	L	0.00	-770.00	0.00

112	-1583	-1518	-1520	-1584	M	L	0.00	-770.00	0.00
112	-1582	-1516	-1518	-1583	M	L	0.00	-770.00	0.00
112	-1541	-1553	-1554	-1542	M	L	0.00	-770.00	0.00
112	-1580	-1512	-1514	-1581	M	L	0.00	-770.00	0.00
112	-1539	-1551	-1500	-1499	M	L	0.00	-770.00	0.00
112	-1560	-1572	-1573	-1561	M	L	0.00	-770.00	0.00
112	-1525	-1538	-1539	-1527	M	L	0.00	770.00	0.00
112	-1529	-1541	-1542	-1530	M	L	0.00	-770.00	0.00
112	-1511	-1531	-1532	-1513	M	L	0.00	770.00	0.00
112	-1527	-1539	-1499	103	M	L	0.00	770.00	0.00
112	-1578	-1508	-1510	-1579	M	L	0.00	-770.00	0.00
112	-1554	-1566	-1567	-1555	M	L	0.00	-770.00	0.00
112	-1513	-1532	-1533	-1515	M	L	0.00	770.00	0.00
112	-1555	-1567	-1568	-1556	M	L	0.00	-770.00	0.00
112	-1515	-1533	-1534	-1517	M	L	0.00	770.00	0.00
112	-3519	-3520	-1540	-1528	M	L	0.00	-770.00	0.00
112	-1552	-1564	-1565	-1553	M	L	0.00	-770.00	0.00
112	-1509	-1530	-1531	-1511	M	L	0.00	770.00	0.00
112	-1572	-1584	-1585	-1573	M	L	0.00	-770.00	0.00
112	-1569	-1581	-1582	-1570	M	L	0.00	-770.00	0.00
112	-1587	-1526	120	-1503	M	L	0.00	-770.00	0.00
112	-1567	-1579	-1580	-1568	M	L	0.00	-770.00	0.00
112	-1523	-1537	-1538	-1525	M	L	0.00	770.00	0.00
112	-1551	-1563	-1501	-1500	M	L	0.00	-770.00	0.00
112	-1556	-1568	-1569	-1557	M	L	0.00	-770.00	0.00
112	-1521	-1536	-1537	-1523	M	L	0.00	770.00	0.00
112	-3518	-3519	-1528	-1505	M	L	0.00	770.00	0.00
112	-1553	-1565	-1566	-1554	M	L	0.00	-770.00	0.00
112	-1581	-1514	-1516	-1582	M	L	0.00	-770.00	0.00
112	-1517	-1534	-1535	-1519	M	L	0.00	770.00	0.00
112	-3521	-3522	-1564	-1552	M	L	0.00	-770.00	0.00
112	-3522	-3523	-1576	-1564	M	L	0.00	-770.00	0.00
112	-1573	-1585	-1586	-1574	M	L	0.00	-770.00	0.00
112	-1549	-1561	-1562	-1550	M	L	0.00	-770.00	0.00
112	-1507	-1529	-1530	-1509	M	L	0.00	770.00	0.00
115	-1707	-1719	-1720	-1708	M	L	0.00	770.00	0.00
115	-1705	-1717	-1718	-1706	M	L	0.00	770.00	0.00
115	-1755	-1693	-1695	-1756	M	L	0.00	770.00	0.00
115	-1735	-1747	-1748	-1736	M	L	0.00	770.00	0.00
115	-1697	-1709	-1710	-1698	M	L	0.00	770.00	0.00
115	-1718	-1730	-1731	-1719	M	L	0.00	770.00	0.00
115	-1756	-1695	118	-1672	M	L	0.00	770.00	0.00
115	-1720	-1732	-1670	-1669	M	L	0.00	770.00	0.00
115	-1736	-1748	-1749	-1737	M	L	0.00	770.00	0.00
115	-1716	-1728	-1729	-1717	M	L	0.00	770.00	0.00
115	-1740	-1752	-1753	-1741	M	L	0.00	770.00	0.00
115	-1715	-1727	-1728	-1716	M	L	0.00	770.00	0.00
115	-3476	-3475	-1733	-1721	M	L	0.00	770.00	0.00
115	-1688	-1704	-1705	-1690	M	L	0.00	770.00	0.00
115	-1706	-1718	-1719	-1707	M	L	0.00	770.00	0.00
115	-1746	-1675	-1677	-1747	M	L	0.00	770.00	0.00
115	-1694	-1707	-1708	-1696	M	L	0.00	770.00	0.00
115	-1710	-1722	-1723	-1711	M	L	0.00	770.00	0.00
115	-1738	-1750	-1751	-1739	M	L	0.00	770.00	0.00
115	-1727	-1739	-1740	-1728	M	L	0.00	770.00	0.00
115	-1713	-1725	-1726	-1714	M	L	0.00	770.00	0.00
115	-1682	-1701	-1702	-1684	M	L	0.00	770.00	0.00
115	-1714	-1726	-1727	-1715	M	L	0.00	770.00	0.00
115	-1753	-1689	-1691	-1754	M	L	0.00	770.00	0.00
115	-1754	-1691	-1693	-1755	M	L	0.00	770.00	0.00
115	-3475	-3474	-1745	-1733	M	L	0.00	770.00	0.00
115	-1704	-1716	-1717	-1705	M	L	0.00	770.00	0.00
115	-1692	-1706	-1707	-1694	M	L	0.00	770.00	0.00
115	-1745	-1673	-1675	-1746	M	L	0.00	770.00	0.00
115	-1747	-1677	-1679	-1748	M	L	0.00	770.00	0.00
115	-1676	-1698	-1699	-1678	M	L	0.00	770.00	0.00
115	-1680	-1700	-1701	-1682	M	L	0.00	770.00	0.00
115	-1701	-1713	-1714	-1702	M	L	0.00	770.00	0.00
115	-1712	-1724	-1725	-1713	M	L	0.00	770.00	0.00
115	-1751	-1685	-1687	-1752	M	L	0.00	770.00	0.00
115	-1684	-1702	-1703	-1686	M	L	0.00	770.00	0.00
115	-1752	-1687	-1689	-1753	M	L	0.00	770.00	0.00
115	-1717	-1729	-1730	-1718	M	L	0.00	770.00	0.00
115	-1686	-1703	-1704	-1688	M	L	0.00	770.00	0.00
115	-3478	-3477	-1709	-1697	M	L	0.00	770.00	0.00
115	-1719	-1731	-1732	-1720	M	L	0.00	770.00	0.00
115	-1696	-1708	-1668	14	M	L	0.00	770.00	0.00
115	-1721	-1733	-1734	-1722	M	L	0.00	770.00	0.00
115	-1737	-1749	-1750	-1738	M	L	0.00	770.00	0.00

115	-1725	-1737	-1738	-1726	M	L	0.00	770.00	0.00
115	-1678	-1699	-1700	-1680	M	L	0.00	770.00	0.00
115	-1700	-1712	-1713	-1701	M	L	0.00	770.00	0.00
115	-1739	-1751	-1752	-1740	M	L	0.00	770.00	0.00
115	-1729	-1741	-1742	-1730	M	L	0.00	770.00	0.00
115	-1742	-1754	-1755	-1743	M	L	0.00	770.00	0.00
115	-1731	-1743	-1744	-1732	M	L	0.00	770.00	0.00
115	-1730	-1742	-1743	-1731	M	L	0.00	770.00	0.00
115	-1708	-1720	-1669	-1668	M	L	0.00	770.00	0.00
115	-1732	-1744	-1671	-1670	M	L	0.00	770.00	0.00
115	-1726	-1738	-1739	-1727	M	L	0.00	770.00	0.00
115	-1698	-1710	-1711	-1699	M	L	0.00	770.00	0.00
115	-1699	-1711	-1712	-1700	M	L	0.00	770.00	0.00
115	-1749	-1681	-1683	-1750	M	L	0.00	770.00	0.00
115	-1724	-1736	-1737	-1725	M	L	0.00	770.00	0.00
115	-1711	-1723	-1724	-1712	M	L	0.00	770.00	0.00
115	-3479	-3478	-1697	-1674	M	L	0.00	770.00	0.00
115	-1702	-1714	-1715	-1703	M	L	0.00	770.00	0.00
115	-1703	-1715	-1716	-1704	M	L	0.00	770.00	0.00
115	-1741	-1753	-1754	-1742	M	L	0.00	770.00	0.00
115	-1744	-1756	-1672	-1671	M	L	0.00	770.00	0.00
115	-1690	-1705	-1706	-1692	M	L	0.00	770.00	0.00
115	-3477	-3476	-1721	-1709	M	L	0.00	770.00	0.00
115	-1674	-1697	-1698	-1676	M	L	0.00	770.00	0.00
115	-1750	-1683	-1685	-1751	M	L	0.00	770.00	0.00
115	-1709	-1721	-1722	-1710	M	L	0.00	770.00	0.00
115	-1722	-1734	-1735	-1723	M	L	0.00	770.00	0.00
115	-1748	-1679	-1681	-1749	M	L	0.00	770.00	0.00
115	-1733	-1745	-1746	-1734	M	L	0.00	770.00	0.00
115	-1743	-1755	-1756	-1744	M	L	0.00	770.00	0.00
115	-3474	-3473	-1673	-1745	M	L	0.00	770.00	0.00
115	-1728	-1740	-1741	-1729	M	L	0.00	770.00	0.00
115	-1734	-1746	-1747	-1735	M	L	0.00	770.00	0.00
115	-1723	-1735	-1736	-1724	M	L	0.00	770.00	0.00
118	-2985	-3404	-3403	-2986	M	L	0.00	770.00	0.00
118	-3109	-3121	-3122	-3110	M	L	0.00	770.00	0.00
118	-2993	-3005	-3006	-2994	M	L	0.00	770.00	0.00
118	-3121	-3133	-3134	-3122	M	L	0.00	770.00	0.00
118	-2982	-3407	-3406	-2983	M	L	0.00	770.00	0.00
118	-3094	-3106	-1831	-1833	M	L	0.00	770.00	0.00
118	-2984	-3405	-3404	-2985	M	L	0.00	770.00	0.00
118	-3511	-3510	-2987	-3414	M	L	0.00	770.00	0.00
118	-3084	-3096	-3097	-3085	M	L	0.00	770.00	0.00
118	-2930	-2942	-2943	-2931	M	L	0.00	770.00	0.00
118	-3508	-3507	-3023	-3011	M	L	0.00	770.00	0.00
118	-1507	-2916	-2917	-1509	M	L	0.00	770.00	0.00
118	-3095	-3107	-3108	-3096	M	L	0.00	770.00	0.00
118	-3082	-3094	-1833	-1835	M	L	0.00	770.00	0.00
118	-3108	-3120	-3121	-3109	M	L	0.00	770.00	0.00
118	-2955	-2967	-2968	-2956	M	L	0.00	770.00	0.00
118	-1505	-2915	-2916	-1507	M	L	0.00	770.00	0.00
118	-3140	-3152	-3153	-3141	M	L	0.00	770.00	0.00
118	-3006	-3018	-3019	-3007	M	L	0.00	770.00	0.00
118	-3088	-3100	-3101	-3089	M	L	0.00	770.00	0.00
118	-3083	-3095	-3096	-3084	M	L	0.00	770.00	0.00
118	-2980	-3409	-3408	-2981	M	L	0.00	770.00	0.00
118	-3091	-3103	-3104	-3092	M	L	0.00	770.00	0.00
118	-3093	-3105	-3106	-3094	M	L	0.00	770.00	0.00
118	-2918	-2930	-2931	-2919	M	L	0.00	770.00	0.00
118	-2920	-2932	-2933	-2921	M	L	0.00	770.00	0.00
118	-3120	-3132	-3133	-3121	M	L	0.00	770.00	0.00
118	-2921	-2933	-2934	-2922	M	L	0.00	770.00	0.00
118	-1521	-2923	-2924	-1523	M	L	0.00	770.00	0.00
118	-1523	-2924	-2925	-1525	M	L	0.00	770.00	0.00
118	-3114	-3126	-3127	-3115	M	L	0.00	770.00	0.00
118	-3000	-3012	-3013	-3001	M	L	0.00	770.00	0.00
118	-3001	-3013	-3014	-3002	M	L	0.00	770.00	0.00
118	-3004	-3016	-3017	-3005	M	L	0.00	770.00	0.00
118	-2991	-3003	-3004	-2992	M	L	0.00	770.00	0.00
118	-3003	-3015	-3016	-3004	M	L	0.00	770.00	0.00
118	-2929	-2941	-2942	-2930	M	L	0.00	770.00	0.00
118	-3130	-3142	-1825	-1827	M	L	0.00	770.00	0.00
118	-2931	-2943	-2944	-2932	M	L	0.00	770.00	0.00
118	-3132	-3144	-3145	-3133	M	L	0.00	770.00	0.00
118	-2983	-3406	-3405	-2984	M	L	0.00	770.00	0.00
118	-3134	-3146	-3147	-3135	M	L	0.00	770.00	0.00
118	-3112	-3124	-3125	-3113	M	L	0.00	770.00	0.00
118	-3011	-3023	-3024	-3012	M	L	0.00	770.00	0.00
118	-1525	-2925	-2926	-1527	M	L	0.00	770.00	0.00

118	-3013	-3025	-3026	-3014	M	L	0.00	770.00	0.00
118	-3128	-3140	-3141	-3129	M	L	0.00	770.00	0.00
118	-2953	-2965	-2966	-2954	M	L	0.00	770.00	0.00
118	-3116	-3128	-3129	-3117	M	L	0.00	770.00	0.00
118	-3142	-3154	-1823	-1825	M	L	0.00	770.00	0.00
118	-2992	-3004	-3005	-2993	M	L	0.00	770.00	0.00
118	-3143	-3155	-3156	-3144	M	L	0.00	770.00	0.00
118	-2943	-2955	-2956	-2944	M	L	0.00	770.00	0.00
118	-3145	-3157	-3158	-3146	M	L	0.00	770.00	0.00
118	-3146	-3158	-3159	-3147	M	L	0.00	770.00	0.00
118	-3137	-3149	-3150	-3138	M	L	0.00	770.00	0.00
118	-2937	-2949	-2950	-2938	M	L	0.00	770.00	0.00
118	-3086	-3098	-3099	-3087	M	L	0.00	770.00	0.00
118	-3100	-3112	-3113	-3101	M	L	0.00	770.00	0.00
118	-3002	-3014	-3015	-3003	M	L	0.00	770.00	0.00
118	-3052	-3064	-3065	-3053	M	L	0.00	770.00	0.00
118	-3053	-3065	-3066	-3054	M	L	0.00	770.00	0.00
118	-2954	-2966	-2967	-2955	M	L	0.00	770.00	0.00
118	-3056	-3068	-3069	-3057	M	L	0.00	770.00	0.00
118	-1511	-2918	-2919	-1513	M	L	0.00	770.00	0.00
118	-3008	-3020	-3021	-3009	M	L	0.00	770.00	0.00
118	-1517	-2921	-2922	-1519	M	L	0.00	770.00	0.00
118	-3110	-3122	-3123	-3111	M	L	0.00	770.00	0.00
118	-3111	-3123	-3124	-3112	M	L	0.00	770.00	0.00
118	-3139	-3151	-3152	-3140	M	L	0.00	770.00	0.00
118	-2938	-2950	-1857	-1857	M	L	0.00	770.00	0.00
118	-3113	-3125	-3126	-3114	M	L	0.00	770.00	0.00
118	-2939	-2951	-2952	-2940	M	L	0.00	770.00	0.00
118	-3015	-3027	-3028	-3016	M	L	0.00	770.00	0.00
118	-2915	-2927	-2928	-2916	M	L	0.00	770.00	0.00
118	-2941	-2953	-2954	-2942	M	L	0.00	770.00	0.00
118	-3118	-3130	-1827	-1829	M	L	0.00	770.00	0.00
118	-3119	-3131	-3132	-3120	M	L	0.00	770.00	0.00
118	-2919	-2931	-2932	-2920	M	L	0.00	770.00	0.00
118	-2971	-2983	-2984	-2972	M	L	0.00	770.00	0.00
118	-2922	-2934	-2935	-2923	M	L	0.00	770.00	0.00
118	-2948	-2960	-2961	-2949	M	L	0.00	770.00	0.00
118	-2962	-2974	-1853	-1855	M	L	0.00	770.00	0.00
118	-3061	-3073	-3074	-3062	M	L	0.00	770.00	0.00
118	-2975	-3414	-3413	-2976	M	L	0.00	770.00	0.00
118	-3077	-3089	-3090	-3078	M	L	0.00	770.00	0.00
118	-3129	-3141	-3142	-3130	M	L	0.00	770.00	0.00
118	-2978	-3411	-3410	-2979	M	L	0.00	770.00	0.00
118	-3079	-3091	-3092	-3080	M	L	0.00	770.00	0.00
118	-3080	-3092	-3093	-3081	M	L	0.00	770.00	0.00
118	-2981	-3408	-3407	-2982	M	L	0.00	770.00	0.00
118	-2932	-2944	-2945	-2933	M	L	0.00	770.00	0.00
118	-3498	-3497	-3143	-3131	M	L	0.00	770.00	0.00
118	-3499	-3498	-3131	-3119	M	L	0.00	770.00	0.00
118	-2986	-3403	-3402	-1851	M	L	0.00	770.00	0.00
118	-2987	-2999	-3000	-2988	M	L	0.00	770.00	0.00
118	-2989	-3001	-3002	-2990	M	L	0.00	770.00	0.00
118	-3089	-3101	-3102	-3090	M	L	0.00	770.00	0.00
118	-2990	-3002	-3003	-2991	M	L	0.00	770.00	0.00
118	-3506	-3505	-3047	-3035	M	L	0.00	770.00	0.00
118	-3092	-3104	-3105	-3093	M	L	0.00	770.00	0.00
118	-3507	-3506	-3035	-3023	M	L	0.00	770.00	0.00
118	-2995	-3007	-3008	-2996	M	L	0.00	770.00	0.00
118	-3147	-3159	-3160	-3148	M	L	0.00	770.00	0.00
118	-2997	-3009	-3010	-2998	M	L	0.00	770.00	0.00
118	-3404	-2997	-2998	-3403	M	L	0.00	770.00	0.00
118	-2999	-3011	-3012	-3000	M	L	0.00	770.00	0.00
118	-3406	-2995	-2996	-3405	M	L	0.00	770.00	0.00
118	-3407	-2994	-2995	-3406	M	L	0.00	770.00	0.00
118	-3408	-2993	-2994	-3407	M	L	0.00	770.00	0.00
118	-3409	-2992	-2993	-3408	M	L	0.00	770.00	0.00
118	-3410	-2991	-2992	-3409	M	L	0.00	770.00	0.00
118	-3005	-3017	-3018	-3006	M	L	0.00	770.00	0.00
118	-3412	-2989	-2990	-3411	M	L	0.00	770.00	0.00
118	-1513	-2919	-2920	-1515	M	L	0.00	770.00	0.00
118	-1515	-2920	-2921	-1517	M	L	0.00	770.00	0.00
118	-3010	-3022	-1845	-1847	M	L	0.00	770.00	0.00
118	-2960	-2972	-2973	-2961	M	L	0.00	770.00	0.00
118	-3060	-3072	-3073	-3061	M	L	0.00	770.00	0.00
118	-3012	-3024	-3025	-3013	M	L	0.00	770.00	0.00
118	-1527	-2926	-1859	103	M	L	0.00	770.00	0.00
118	-3115	-3127	-3128	-3116	M	L	0.00	770.00	0.00
118	-3017	-3029	-3030	-3018	M	L	0.00	770.00	0.00
118	-2917	-2929	-2930	-2918	M	L	0.00	770.00	0.00

118	-3019	-3031	-3032	-3020	M	L	0.00	770.00	0.00
118	-2969	-2981	-2982	-2970	M	L	0.00	770.00	0.00
118	-3020	-3032	-3033	-3021	M	L	0.00	770.00	0.00
118	-3123	-3135	-3136	-3124	M	L	0.00	770.00	0.00
118	-2973	-2985	-2986	-2974	M	L	0.00	770.00	0.00
118	-3124	-3136	-3137	-3125	M	L	0.00	770.00	0.00
118	-3125	-3137	-3138	-3126	M	L	0.00	770.00	0.00
118	-3126	-3138	-3139	-3127	M	L	0.00	770.00	0.00
118	-2927	-2939	-2940	-2928	M	L	0.00	770.00	0.00
118	-2928	-2940	-2941	-2929	M	L	0.00	770.00	0.00
118	-3029	-3041	-3042	-3030	M	L	0.00	770.00	0.00
118	-2979	-3410	-3409	-2980	M	L	0.00	770.00	0.00
118	-3131	-3143	-3144	-3132	M	L	0.00	770.00	0.00
118	-3031	-3043	-3044	-3032	M	L	0.00	770.00	0.00
118	-3133	-3145	-3146	-3134	M	L	0.00	770.00	0.00
118	-2934	-2946	-2947	-2935	M	L	0.00	770.00	0.00
118	-3135	-3147	-3148	-3136	M	L	0.00	770.00	0.00
118	-3136	-3148	-3149	-3137	M	L	0.00	770.00	0.00
118	-2936	-2948	-2949	-2937	M	L	0.00	770.00	0.00
118	-3138	-3150	-3151	-3139	M	L	0.00	770.00	0.00
118	-2950	-2962	-1855	-1857	M	L	0.00	770.00	0.00
118	-3038	-3050	-3051	-3039	M	L	0.00	770.00	0.00
118	-3141	-3153	-3154	-3142	M	L	0.00	770.00	0.00
118	-3041	-3053	-3054	-3042	M	L	0.00	770.00	0.00
118	-3043	-3055	-3056	-3044	M	L	0.00	770.00	0.00
118	-3144	-3156	-3157	-3145	M	L	0.00	770.00	0.00
118	-2945	-2957	-2958	-2946	M	L	0.00	770.00	0.00
118	-2946	-2958	-2959	-2947	M	L	0.00	770.00	0.00
118	-2947	-2959	-2960	-2948	M	L	0.00	770.00	0.00
118	-3148	-3160	-3161	-3149	M	L	0.00	770.00	0.00
118	-3149	-3161	-3162	-3150	M	L	0.00	770.00	0.00
118	-3049	-3061	-3062	-3050	M	L	0.00	770.00	0.00
118	-3050	-3062	-3063	-3051	M	L	0.00	770.00	0.00
118	-2952	-2964	-2965	-2953	M	L	0.00	770.00	0.00
118	-2951	-2963	-2964	-2952	M	L	0.00	770.00	0.00
118	-3103	-3115	-3116	-3104	M	L	0.00	770.00	0.00
118	-3054	-3066	-3067	-3055	M	L	0.00	770.00	0.00
118	-3105	-3117	-3118	-3106	M	L	0.00	770.00	0.00
118	-2956	-2968	-2969	-2957	M	L	0.00	770.00	0.00
118	-3007	-3019	-3020	-3008	M	L	0.00	770.00	0.00
118	-3414	-2987	-2988	-3413	M	L	0.00	770.00	0.00
118	-3009	-3021	-3022	-3010	M	L	0.00	770.00	0.00
118	-1519	-2922	-2923	-1521	M	L	0.00	770.00	0.00
118	-3059	-3071	-3072	-3060	M	L	0.00	770.00	0.00
118	-3501	-3500	-3107	-3095	M	L	0.00	770.00	0.00
118	-2963	-2975	-2976	-2964	M	L	0.00	770.00	0.00
118	-2964	-2976	-2977	-2965	M	L	0.00	770.00	0.00
118	-2965	-2977	-2978	-2966	M	L	0.00	770.00	0.00
118	-3117	-3129	-3130	-3118	M	L	0.00	770.00	0.00
118	-3068	-3080	-3081	-3069	M	L	0.00	770.00	0.00
118	-2967	-2979	-2980	-2968	M	L	0.00	770.00	0.00
118	-3070	-3082	-1835	-1837	M	L	0.00	770.00	0.00
118	-2968	-2980	-2981	-2969	M	L	0.00	770.00	0.00
118	-3122	-3134	-3135	-3123	M	L	0.00	770.00	0.00
118	-3072	-3084	-3085	-3073	M	L	0.00	770.00	0.00
118	-2974	-2986	-1851	-1853	M	L	0.00	770.00	0.00
118	-3074	-3086	-3087	-3075	M	L	0.00	770.00	0.00
118	-3075	-3087	-3088	-3076	M	L	0.00	770.00	0.00
118	-2976	-3413	-3412	-2977	M	L	0.00	770.00	0.00
118	-3076	-3088	-3089	-3077	M	L	0.00	770.00	0.00
118	-3078	-3090	-3091	-3079	M	L	0.00	770.00	0.00
118	-3027	-3039	-3040	-3028	M	L	0.00	770.00	0.00
118	-2916	-2928	-2929	-2917	M	L	0.00	770.00	0.00
118	-3081	-3093	-3094	-3082	M	L	0.00	770.00	0.00
118	-3032	-3044	-3045	-3033	M	L	0.00	770.00	0.00
118	-3497	-3496	-3155	-3143	M	L	0.00	770.00	0.00
118	-3034	-3046	-1841	-1843	M	L	0.00	770.00	0.00
118	-3085	-3097	-3098	-3086	M	L	0.00	770.00	0.00
118	-3035	-3047	-3048	-3036	M	L	0.00	770.00	0.00
118	-3087	-3099	-3100	-3088	M	L	0.00	770.00	0.00
118	-3503	-3502	-3083	-3071	M	L	0.00	770.00	0.00
118	-2988	-3000	-3001	-2989	M	L	0.00	770.00	0.00
118	-3090	-3102	-3103	-3091	M	L	0.00	770.00	0.00
118	-3505	-3504	-3059	-3047	M	L	0.00	770.00	0.00
118	-3104	-3116	-3117	-3105	M	L	0.00	770.00	0.00
118	-2942	-2954	-2955	-2943	M	L	0.00	770.00	0.00
118	-3509	-3508	-3011	-2999	M	L	0.00	770.00	0.00
118	-2994	-3006	-3007	-2995	M	L	0.00	770.00	0.00
118	-3510	-3509	-2999	-2987	M	L	0.00	770.00	0.00

118	-3096	-3108	-3109	-3097	M	L	0.00	770.00	0.00
118	-3097	-3109	-3110	-3098	M	L	0.00	770.00	0.00
118	-3098	-3110	-3111	-3099	M	L	0.00	770.00	0.00
118	-3099	-3111	-3112	-3100	M	L	0.00	770.00	0.00
118	-3516	-3515	-2939	-2927	M	L	0.00	770.00	0.00
118	-3101	-3113	-3114	-3102	M	L	0.00	770.00	0.00
118	-3102	-3114	-3115	-3103	M	L	0.00	770.00	0.00
118	-3518	-3517	-2915	-1505	M	L	0.00	770.00	0.00
118	-3064	-3076	-3077	-3065	M	L	0.00	770.00	0.00
118	-2966	-2978	-2979	-2967	M	L	0.00	770.00	0.00
118	-1509	-2917	-2918	-1511	M	L	0.00	770.00	0.00
118	-3055	-3067	-3068	-3056	M	L	0.00	770.00	0.00
118	-3107	-3119	-3120	-3108	M	L	0.00	770.00	0.00
118	-3057	-3069	-3070	-3058	M	L	0.00	770.00	0.00
118	-2959	-2971	-2972	-2960	M	L	0.00	770.00	0.00
118	-3500	-3499	-3119	-3107	M	L	0.00	770.00	0.00
118	-2961	-2973	-2974	-2962	M	L	0.00	770.00	0.00
118	-3036	-3048	-3049	-3037	M	L	0.00	770.00	0.00
118	-3063	-3075	-3076	-3064	M	L	0.00	770.00	0.00
118	-3014	-3026	-3027	-3015	M	L	0.00	770.00	0.00
118	-3028	-3040	-3041	-3029	M	L	0.00	770.00	0.00
118	-2940	-2952	-2953	-2941	M	L	0.00	770.00	0.00
118	-3067	-3079	-3080	-3068	M	L	0.00	770.00	0.00
118	-3018	-3030	-3031	-3019	M	L	0.00	770.00	0.00
118	-2944	-2956	-2957	-2945	M	L	0.00	770.00	0.00
118	-3045	-3057	-3058	-3046	M	L	0.00	770.00	0.00
118	-3021	-3033	-3034	-3022	M	L	0.00	770.00	0.00
118	-2923	-2935	-2936	-2924	M	L	0.00	770.00	0.00
118	-2924	-2936	-2937	-2925	M	L	0.00	770.00	0.00
118	-2925	-2937	-2938	-2926	M	L	0.00	770.00	0.00
118	-3127	-3139	-3140	-3128	M	L	0.00	770.00	0.00
118	-3026	-3038	-3039	-3027	M	L	0.00	770.00	0.00
118	-3039	-3051	-3052	-3040	M	L	0.00	770.00	0.00
118	-2977	-3412	-3411	-2978	M	L	0.00	770.00	0.00
118	-3016	-3028	-3029	-3017	M	L	0.00	770.00	0.00
118	-3030	-3042	-3043	-3031	M	L	0.00	770.00	0.00
118	-3106	-3118	-1829	-1831	M	L	0.00	770.00	0.00
118	-2958	-2970	-2971	-2959	M	L	0.00	770.00	0.00
118	-2933	-2945	-2946	-2934	M	L	0.00	770.00	0.00
118	-2935	-2947	-2948	-2936	M	L	0.00	770.00	0.00
118	-3037	-3049	-3050	-3038	M	L	0.00	770.00	0.00
118	-3502	-3501	-3095	-3083	M	L	0.00	770.00	0.00
118	-3062	-3074	-3075	-3063	M	L	0.00	770.00	0.00
118	-3051	-3063	-3064	-3052	M	L	0.00	770.00	0.00
118	-3065	-3077	-3078	-3066	M	L	0.00	770.00	0.00
118	-3040	-3052	-3053	-3041	M	L	0.00	770.00	0.00
118	-3042	-3054	-3055	-3043	M	L	0.00	770.00	0.00
118	-3069	-3081	-3082	-3070	M	L	0.00	770.00	0.00
118	-3044	-3056	-3057	-3045	M	L	0.00	770.00	0.00
118	-3413	-2988	-2989	-3412	M	L	0.00	770.00	0.00
118	-3046	-3058	-1839	-1841	M	L	0.00	770.00	0.00
118	-3047	-3059	-3060	-3048	M	L	0.00	770.00	0.00
118	-2949	-2961	-2962	-2950	M	L	0.00	770.00	0.00
118	-2926	-2938	-1857	-1859	M	L	0.00	770.00	0.00
118	-3405	-2996	-2997	-3404	M	L	0.00	770.00	0.00
118	-3025	-3037	-3038	-3026	M	L	0.00	770.00	0.00
118	-3504	-3503	-3071	-3059	M	L	0.00	770.00	0.00
118	-3066	-3078	-3079	-3067	M	L	0.00	770.00	0.00
118	-3411	-2990	-2991	-3410	M	L	0.00	770.00	0.00
118	-3073	-3085	-3086	-3074	M	L	0.00	770.00	0.00
118	-3024	-3036	-3037	-3025	M	L	0.00	770.00	0.00
118	-3033	-3045	-3046	-3034	M	L	0.00	770.00	0.00
118	-3058	-3070	-1837	-1839	M	L	0.00	770.00	0.00
118	-2972	-2984	-2985	-2973	M	L	0.00	770.00	0.00
118	-3022	-3034	-1843	-1845	M	L	0.00	770.00	0.00
118	-3512	-3511	-3414	-2975	M	L	0.00	770.00	0.00
118	-2998	-3010	-1847	-1849	M	L	0.00	770.00	0.00
118	-3023	-3035	-3036	-3024	M	L	0.00	770.00	0.00
118	-3515	-3514	-2951	-2939	M	L	0.00	770.00	0.00
118	-3517	-3516	-2927	-2915	M	L	0.00	770.00	0.00
118	-2996	-3008	-3009	-2997	M	L	0.00	770.00	0.00
118	-2957	-2969	-2970	-2958	M	L	0.00	770.00	0.00
118	-3071	-3083	-3084	-3072	M	L	0.00	770.00	0.00
118	-3514	-3513	-2963	-2951	M	L	0.00	770.00	0.00
118	-3513	-3512	-2975	-2963	M	L	0.00	770.00	0.00
118	-3048	-3060	-3061	-3049	M	L	0.00	770.00	0.00
118	-3403	-2998	-1849	-3402	M	L	0.00	770.00	0.00
118	-2970	-2982	-2983	-2971	M	L	0.00	770.00	0.00
119	-3182	-3194	-3195	-3183	M	L	0.00	770.00	0.00

119	-3322	-3334	-1793	-1795	M	L	0.00	770.00	0.00
119	-3319	-3331	-3332	-3320	M	L	0.00	770.00	0.00
119	-3344	-3356	-3357	-3345	M	L	0.00	770.00	0.00
119	-3493	-3492	-3203	-3191	M	L	0.00	770.00	0.00
119	-3321	-3333	-3334	-3322	M	L	0.00	770.00	0.00
119	-3331	-3343	-3344	-3332	M	L	0.00	770.00	0.00
119	-3171	-3183	-3184	-3172	M	L	0.00	770.00	0.00
119	-3310	-3322	-1795	-1797	M	L	0.00	770.00	0.00
119	-3311	-3323	-3324	-3312	M	L	0.00	770.00	0.00
119	-3312	-3324	-3325	-3313	M	L	0.00	770.00	0.00
119	-3280	-3292	-3293	-3281	M	L	0.00	770.00	0.00
119	-3282	-3294	-3295	-3283	M	L	0.00	770.00	0.00
119	-3340	-3352	-3353	-3341	M	L	0.00	770.00	0.00
119	-3155	-3167	-3168	-3156	M	L	0.00	770.00	0.00
119	-3330	-3342	-3343	-3331	M	L	0.00	770.00	0.00
119	-3316	-3328	-3329	-3317	M	L	0.00	770.00	0.00
119	-3192	-3204	-3205	-3193	M	L	0.00	770.00	0.00
119	-3193	-3205	-3206	-3194	M	L	0.00	770.00	0.00
119	-3292	-3304	-3305	-3293	M	L	0.00	770.00	0.00
119	-3320	-3332	-3333	-3321	M	L	0.00	770.00	0.00
119	-3296	-3308	-3309	-3297	M	L	0.00	770.00	0.00
119	-3185	-3197	-3198	-3186	M	L	0.00	770.00	0.00
119	-3285	-3297	-3298	-3286	M	L	0.00	770.00	0.00
119	-3262	-3274	-1803	-1805	M	L	0.00	770.00	0.00
119	-3214	-3226	-1811	-1813	M	L	0.00	770.00	0.00
119	-3151	-3163	-3164	-3152	M	L	0.00	770.00	0.00
119	-3180	-3192	-3193	-3181	M	L	0.00	770.00	0.00
119	-3354	-1688	-1690	-3355	M	L	0.00	770.00	0.00
119	-3353	-1686	-1688	-3354	M	L	0.00	770.00	0.00
119	-3203	-3215	-3216	-3204	M	L	0.00	770.00	0.00
119	-3204	-3216	-3217	-3205	M	L	0.00	770.00	0.00
119	-3256	-3268	-3269	-3257	M	L	0.00	770.00	0.00
119	-3181	-3193	-3194	-3182	M	L	0.00	770.00	0.00
119	-3183	-3195	-3196	-3184	M	L	0.00	770.00	0.00
119	-3309	-3321	-3322	-3310	M	L	0.00	770.00	0.00
119	-3284	-3296	-3297	-3285	M	L	0.00	770.00	0.00
119	-3212	-3224	-3225	-3213	M	L	0.00	770.00	0.00
119	-3187	-3199	-3200	-3188	M	L	0.00	770.00	0.00
119	-3313	-3325	-3326	-3314	M	L	0.00	770.00	0.00
119	-3190	-3202	-1815	-1817	M	L	0.00	770.00	0.00
119	-3154	-3166	-1821	-1823	M	L	0.00	770.00	0.00
119	-3215	-3227	-3228	-3216	M	L	0.00	770.00	0.00
119	-3315	-3327	-3328	-3316	M	L	0.00	770.00	0.00
119	-3342	-3354	-3355	-3343	M	L	0.00	770.00	0.00
119	-3217	-3229	-3230	-3218	M	L	0.00	770.00	0.00
119	-3318	-3330	-3331	-3319	M	L	0.00	770.00	0.00
119	-3219	-3231	-3232	-3220	M	L	0.00	770.00	0.00
119	-3483	-3482	-3323	-3311	M	L	0.00	770.00	0.00
119	-3220	-3232	-3233	-3221	M	L	0.00	770.00	0.00
119	-3211	-3223	-3224	-3212	M	L	0.00	770.00	0.00
119	-3162	-3174	-3175	-3163	M	L	0.00	770.00	0.00
119	-3261	-3273	-3274	-3262	M	L	0.00	770.00	0.00
119	-3201	-3213	-3214	-3202	M	L	0.00	770.00	0.00
119	-3314	-3326	-3327	-3315	M	L	0.00	770.00	0.00
119	-3277	-3289	-3290	-3278	M	L	0.00	770.00	0.00
119	-3327	-3339	-3340	-3328	M	L	0.00	770.00	0.00
119	-3329	-3341	-3342	-3330	M	L	0.00	770.00	0.00
119	-3229	-3241	-3242	-3230	M	L	0.00	770.00	0.00
119	-3179	-3191	-3192	-3180	M	L	0.00	770.00	0.00
119	-3332	-3344	-3345	-3333	M	L	0.00	770.00	0.00
119	-3496	-3495	-3167	-3155	M	L	0.00	770.00	0.00
119	-3184	-3196	-3197	-3185	M	L	0.00	770.00	0.00
119	-3337	-3349	-3350	-3338	M	L	0.00	770.00	0.00
119	-3160	-3172	-3173	-3161	M	L	0.00	770.00	0.00
119	-3213	-3225	-3226	-3214	M	L	0.00	770.00	0.00
119	-3176	-3188	-3189	-3177	M	L	0.00	770.00	0.00
119	-3338	-3350	-3351	-3339	M	L	0.00	770.00	0.00
119	-3191	-3203	-3204	-3192	M	L	0.00	770.00	0.00
119	-3291	-3303	-3304	-3292	M	L	0.00	770.00	0.00
119	-3293	-3305	-3306	-3294	M	L	0.00	770.00	0.00
119	-3243	-3255	-3256	-3244	M	L	0.00	770.00	0.00
119	-3195	-3207	-3208	-3196	M	L	0.00	770.00	0.00
119	-3346	-3358	-1789	-1791	M	L	0.00	770.00	0.00
119	-3347	-1674	-1676	-3348	M	L	0.00	770.00	0.00
119	-3173	-3185	-3186	-3174	M	L	0.00	770.00	0.00
119	-3336	-3348	-3349	-3337	M	L	0.00	770.00	0.00
119	-3339	-3351	-3352	-3340	M	L	0.00	770.00	0.00
119	-3153	-3165	-3166	-3154	M	L	0.00	770.00	0.00
119	-3252	-3264	-3265	-3253	M	L	0.00	770.00	0.00

119	-3253	-3265	-3266	-3254	M	L	0.00	770.00	0.00
119	-3254	-3266	-3267	-3255	M	L	0.00	770.00	0.00
119	-3356	-1692	-1694	-3357	M	L	0.00	770.00	0.00
119	-3156	-3168	-3169	-3157	M	L	0.00	770.00	0.00
119	-3333	-3345	-3346	-3334	M	L	0.00	770.00	0.00
119	-3208	-3220	-3221	-3209	M	L	0.00	770.00	0.00
119	-3210	-3222	-3223	-3211	M	L	0.00	770.00	0.00
119	-3260	-3272	-3273	-3261	M	L	0.00	770.00	0.00
119	-3175	-3187	-3188	-3176	M	L	0.00	770.00	0.00
119	-3163	-3175	-3176	-3164	M	L	0.00	770.00	0.00
119	-3164	-3176	-3177	-3165	M	L	0.00	770.00	0.00
119	-3165	-3177	-3178	-3166	M	L	0.00	770.00	0.00
119	-3166	-3178	-1819	-1821	M	L	0.00	770.00	0.00
119	-3241	-3253	-3254	-3242	M	L	0.00	770.00	0.00
119	-3268	-3280	-3281	-3269	M	L	0.00	770.00	0.00
119	-3481	-3480	-3347	-3335	M	L	0.00	770.00	0.00
119	-3270	-3282	-3283	-3271	M	L	0.00	770.00	0.00
119	-3169	-3181	-3182	-3170	M	L	0.00	770.00	0.00
119	-3271	-3283	-3284	-3272	M	L	0.00	770.00	0.00
119	-3485	-3484	-3299	-3287	M	L	0.00	770.00	0.00
119	-3489	-3488	-3251	-3239	M	L	0.00	770.00	0.00
119	-3177	-3189	-3190	-3178	M	L	0.00	770.00	0.00
119	-3491	-3490	-3227	-3215	M	L	0.00	770.00	0.00
119	-3278	-3290	-3291	-3279	M	L	0.00	770.00	0.00
119	-3492	-3491	-3215	-3203	M	L	0.00	770.00	0.00
119	-3279	-3291	-3292	-3280	M	L	0.00	770.00	0.00
119	-3495	-3494	-3179	-3167	M	L	0.00	770.00	0.00
119	-3281	-3293	-3294	-3282	M	L	0.00	770.00	0.00
119	-3232	-3244	-3245	-3233	M	L	0.00	770.00	0.00
119	-3283	-3295	-3296	-3284	M	L	0.00	770.00	0.00
119	-3234	-3246	-3247	-3235	M	L	0.00	770.00	0.00
119	-3186	-3198	-3199	-3187	M	L	0.00	770.00	0.00
119	-3236	-3248	-3249	-3237	M	L	0.00	770.00	0.00
119	-3188	-3200	-3201	-3189	M	L	0.00	770.00	0.00
119	-3288	-3300	-3301	-3289	M	L	0.00	770.00	0.00
119	-3189	-3201	-3202	-3190	M	L	0.00	770.00	0.00
119	-3290	-3302	-3303	-3291	M	L	0.00	770.00	0.00
119	-3317	-3329	-3330	-3318	M	L	0.00	770.00	0.00
119	-3343	-3355	-3356	-3344	M	L	0.00	770.00	0.00
119	-3294	-3306	-3307	-3295	M	L	0.00	770.00	0.00
119	-3194	-3206	-3207	-3195	M	L	0.00	770.00	0.00
119	-3295	-3307	-3308	-3296	M	L	0.00	770.00	0.00
119	-3197	-3209	-3210	-3198	M	L	0.00	770.00	0.00
119	-3348	-1676	-1678	-3349	M	L	0.00	770.00	0.00
119	-3174	-3186	-3187	-3175	M	L	0.00	770.00	0.00
119	-3250	-3262	-1805	-1807	M	L	0.00	770.00	0.00
119	-3300	-3312	-3313	-3301	M	L	0.00	770.00	0.00
119	-3202	-3214	-1813	-1815	M	L	0.00	770.00	0.00
119	-3303	-3315	-3316	-3304	M	L	0.00	770.00	0.00
119	-3304	-3316	-3317	-3305	M	L	0.00	770.00	0.00
119	-3305	-3317	-3318	-3306	M	L	0.00	770.00	0.00
119	-3206	-3218	-3219	-3207	M	L	0.00	770.00	0.00
119	-3307	-3319	-3320	-3308	M	L	0.00	770.00	0.00
119	-3308	-3320	-3321	-3309	M	L	0.00	770.00	0.00
119	-3358	-1696	14	-1789	M	L	0.00	770.00	0.00
119	-3209	-3221	-3222	-3210	M	L	0.00	770.00	0.00
119	-3159	-3171	-3172	-3160	M	L	0.00	770.00	0.00
119	-3286	-3298	-1799	-1801	M	L	0.00	770.00	0.00
119	-3161	-3173	-3174	-3162	M	L	0.00	770.00	0.00
119	-3237	-3249	-3250	-3238	M	L	0.00	770.00	0.00
119	-3263	-3275	-3276	-3264	M	L	0.00	770.00	0.00
119	-3264	-3276	-3277	-3265	M	L	0.00	770.00	0.00
119	-3167	-3179	-3180	-3168	M	L	0.00	770.00	0.00
119	-3218	-3230	-3231	-3219	M	L	0.00	770.00	0.00
119	-3482	-3481	-3335	-3323	M	L	0.00	770.00	0.00
119	-3245	-3257	-3258	-3246	M	L	0.00	770.00	0.00
119	-3221	-3233	-3234	-3222	M	L	0.00	770.00	0.00
119	-3323	-3335	-3336	-3324	M	L	0.00	770.00	0.00
119	-3223	-3235	-3236	-3224	M	L	0.00	770.00	0.00
119	-3324	-3336	-3337	-3325	M	L	0.00	770.00	0.00
119	-3325	-3337	-3338	-3326	M	L	0.00	770.00	0.00
119	-3328	-3340	-3341	-3329	M	L	0.00	770.00	0.00
119	-3228	-3240	-3241	-3229	M	L	0.00	770.00	0.00
119	-3227	-3239	-3240	-3228	M	L	0.00	770.00	0.00
119	-3355	-1690	-1692	-3356	M	L	0.00	770.00	0.00
119	-3230	-3242	-3243	-3231	M	L	0.00	770.00	0.00
119	-3231	-3243	-3244	-3232	M	L	0.00	770.00	0.00
119	-3158	-3170	-3171	-3159	M	L	0.00	770.00	0.00
119	-3334	-3346	-1791	-1793	M	L	0.00	770.00	0.00

119	-3259	-3271	-3272	-3260	M	L	0.00	770.00	0.00
119	-3335	-3347	-3348	-3336	M	L	0.00	770.00	0.00
119	-3235	-3247	-3248	-3236	M	L	0.00	770.00	0.00
119	-3238	-3250	-1807	-1809	M	L	0.00	770.00	0.00
119	-3287	-3299	-3300	-3288	M	L	0.00	770.00	0.00
119	-3239	-3251	-3252	-3240	M	L	0.00	770.00	0.00
119	-3341	-3353	-3354	-3342	M	L	0.00	770.00	0.00
119	-3216	-3228	-3229	-3217	M	L	0.00	770.00	0.00
119	-3242	-3254	-3255	-3243	M	L	0.00	770.00	0.00
119	-3269	-3281	-3282	-3270	M	L	0.00	770.00	0.00
119	-3345	-3357	-3358	-3346	M	L	0.00	770.00	0.00
119	-3207	-3219	-3220	-3208	M	L	0.00	770.00	0.00
119	-3246	-3258	-3259	-3247	M	L	0.00	770.00	0.00
119	-3247	-3259	-3260	-3248	M	L	0.00	770.00	0.00
119	-3248	-3260	-3261	-3249	M	L	0.00	770.00	0.00
119	-3349	-1678	-1680	-3350	M	L	0.00	770.00	0.00
119	-3150	-3162	-3163	-3151	M	L	0.00	770.00	0.00
119	-3351	-1682	-1684	-3352	M	L	0.00	770.00	0.00
119	-3152	-3164	-3165	-3153	M	L	0.00	770.00	0.00
119	-3352	-1684	-1686	-3353	M	L	0.00	770.00	0.00
119	-3240	-3252	-3253	-3241	M	L	0.00	770.00	0.00
119	-3266	-3278	-3279	-3267	M	L	0.00	770.00	0.00
119	-3205	-3217	-3218	-3206	M	L	0.00	770.00	0.00
119	-3357	-1694	-1696	-3358	M	L	0.00	770.00	0.00
119	-3168	-3180	-3181	-3169	M	L	0.00	770.00	0.00
119	-3257	-3269	-3270	-3258	M	L	0.00	770.00	0.00
119	-3258	-3270	-3271	-3259	M	L	0.00	770.00	0.00
119	-3172	-3184	-3185	-3173	M	L	0.00	770.00	0.00
119	-3273	-3285	-3286	-3274	M	L	0.00	770.00	0.00
119	-3487	-3486	-3275	-3263	M	L	0.00	770.00	0.00
119	-3488	-3487	-3263	-3251	M	L	0.00	770.00	0.00
119	-3275	-3287	-3288	-3276	M	L	0.00	770.00	0.00
119	-3265	-3277	-3278	-3266	M	L	0.00	770.00	0.00
119	-3178	-3190	-1817	-1819	M	L	0.00	770.00	0.00
119	-3302	-3314	-3315	-3303	M	L	0.00	770.00	0.00
119	-3267	-3279	-3280	-3268	M	L	0.00	770.00	0.00
119	-3480	-3479	-1674	-3347	M	L	0.00	770.00	0.00
119	-3306	-3318	-3319	-3307	M	L	0.00	770.00	0.00
119	-3157	-3169	-3170	-3158	M	L	0.00	770.00	0.00
119	-3486	-3485	-3287	-3275	M	L	0.00	770.00	0.00
119	-3196	-3208	-3209	-3197	M	L	0.00	770.00	0.00
119	-3297	-3309	-3310	-3298	M	L	0.00	770.00	0.00
119	-3199	-3211	-3212	-3200	M	L	0.00	770.00	0.00
119	-3200	-3212	-3213	-3201	M	L	0.00	770.00	0.00
119	-3276	-3288	-3289	-3277	M	L	0.00	770.00	0.00
119	-3289	-3301	-3302	-3290	M	L	0.00	770.00	0.00
119	-3226	-3238	-1809	-1811	M	L	0.00	770.00	0.00
119	-3490	-3489	-3239	-3227	M	L	0.00	770.00	0.00
119	-3494	-3493	-3191	-3179	M	L	0.00	770.00	0.00
119	-3222	-3234	-3235	-3223	M	L	0.00	770.00	0.00
119	-3244	-3256	-3257	-3245	M	L	0.00	770.00	0.00
119	-3233	-3245	-3246	-3234	M	L	0.00	770.00	0.00
119	-3301	-3313	-3314	-3302	M	L	0.00	770.00	0.00
119	-3484	-3483	-3311	-3299	M	L	0.00	770.00	0.00
119	-3272	-3284	-3285	-3273	M	L	0.00	770.00	0.00
119	-3198	-3210	-3211	-3199	M	L	0.00	770.00	0.00
119	-3224	-3236	-3237	-3225	M	L	0.00	770.00	0.00
119	-3350	-1680	-1682	-3351	M	L	0.00	770.00	0.00
119	-3225	-3237	-3238	-3226	M	L	0.00	770.00	0.00
119	-3274	-3286	-1801	-1803	M	L	0.00	770.00	0.00
119	-3251	-3263	-3264	-3252	M	L	0.00	770.00	0.00
119	-3170	-3182	-3183	-3171	M	L	0.00	770.00	0.00
119	-3255	-3267	-3268	-3256	M	L	0.00	770.00	0.00
119	-3326	-3338	-3339	-3327	M	L	0.00	770.00	0.00
119	-3299	-3311	-3312	-3300	M	L	0.00	770.00	0.00
119	-3249	-3261	-3262	-3250	M	L	0.00	770.00	0.00
119	-3298	-3310	-1797	-1799	M	L	0.00	770.00	0.00
404	-1937	-1973	-1974	-1938	M	L	0.00	-2000.00	0.00
404	-1759	-1761	-1933	-1897	M	L	0.00	-2000.00	0.00
404	-1897	-1933	-1934	-1898	M	L	0.00	-2000.00	0.00
404	-1985	-2021	-2022	-1986	M	L	0.00	-2000.00	0.00
404	-1986	-2022	-2023	-1987	M	L	0.00	-2000.00	0.00
404	-1987	-2023	-2024	-1988	M	L	0.00	-2000.00	0.00
404	-1988	-2024	-2025	-1989	M	L	0.00	-2000.00	0.00
404	-1908	-1944	-1945	-1909	M	L	0.00	-2000.00	0.00
404	-1989	-2025	-2026	-1990	M	L	0.00	-2000.00	0.00
404	-1990	-2026	-2027	-1991	M	L	0.00	-2000.00	0.00
404	-1898	-1934	-1935	-1899	M	L	0.00	-2000.00	0.00
404	-1899	-1935	-1936	-1900	M	L	0.00	-2000.00	0.00

404	-1900	-1936	-1937	-1901	M	L	0.00	-2000.00	0.00
404	-1901	-1937	-1938	-1902	M	L	0.00	-2000.00	0.00
404	-1902	-1938	-1939	-1903	M	L	0.00	-2000.00	0.00
404	-1903	-1939	-1940	-1904	M	L	0.00	-2000.00	0.00
404	-1904	-1940	-1941	-1905	M	L	0.00	-2000.00	0.00
404	-1905	-1941	-1942	-1906	M	L	0.00	-2000.00	0.00
404	-1906	-1942	-1943	-1907	M	L	0.00	-2000.00	0.00
404	-1907	-1943	-1944	-1908	M	L	0.00	-2000.00	0.00
404	-1974	-2010	-2011	-1975	M	L	0.00	-2000.00	0.00
404	-1975	-2011	-2012	-1976	M	L	0.00	-2000.00	0.00
404	-1976	-2012	-2013	-1977	M	L	0.00	-2000.00	0.00
404	-1977	-2013	-2014	-1978	M	L	0.00	-2000.00	0.00
404	-1978	-2014	-2015	-1979	M	L	0.00	-2000.00	0.00
404	-1979	-2015	-2016	-1980	M	L	0.00	-2000.00	0.00
404	-1980	-2016	-2017	-1981	M	L	0.00	-2000.00	0.00
404	-1981	-2017	-2018	-1982	M	L	0.00	-2000.00	0.00
404	-1982	-2018	-2019	-1983	M	L	0.00	-2000.00	0.00
404	-1983	-2019	-2020	-1984	M	L	0.00	-2000.00	0.00
404	-1984	-2020	-2021	-1985	M	L	0.00	-2000.00	0.00
404	-1932	-1968	-1762	-1760	M	L	0.00	-2000.00	0.00
404	-1761	-1763	-1969	-1933	M	L	0.00	-2000.00	0.00
404	-1933	-1969	-1970	-1934	M	L	0.00	-2000.00	0.00
404	-1934	-1970	-1971	-1935	M	L	0.00	-2000.00	0.00
404	-1935	-1971	-1972	-1936	M	L	0.00	-2000.00	0.00
404	-1936	-1972	-1973	-1937	M	L	0.00	-2000.00	0.00
404	-1773	-1775	-2185	-2149	M	L	0.00	-2000.00	0.00
404	-1938	-1974	-1975	-1939	M	L	0.00	-2000.00	0.00
404	-1939	-1975	-1976	-1940	M	L	0.00	-2000.00	0.00
404	-1940	-1976	-1977	-1941	M	L	0.00	-2000.00	0.00
404	-1941	-1977	-1978	-1942	M	L	0.00	-2000.00	0.00
404	-1942	-1978	-1979	-1943	M	L	0.00	-2000.00	0.00
404	-1943	-1979	-1980	-1944	M	L	0.00	-2000.00	0.00
404	-1944	-1980	-1981	-1945	M	L	0.00	-2000.00	0.00
404	-1945	-1981	-1982	-1946	M	L	0.00	-2000.00	0.00
404	-1946	-1982	-1983	-1947	M	L	0.00	-2000.00	0.00
404	-1947	-1983	-1984	-1948	M	L	0.00	-2000.00	0.00
404	-1948	-1984	-1985	-1949	M	L	0.00	-2000.00	0.00
404	-1949	-1985	-1986	-1950	M	L	0.00	-2000.00	0.00
404	-1950	-1986	-1987	-1951	M	L	0.00	-2000.00	0.00
404	-1951	-1987	-1988	-1952	M	L	0.00	-2000.00	0.00
404	-1952	-1988	-1989	-1953	M	L	0.00	-2000.00	0.00
404	-1953	-1989	-1990	-1954	M	L	0.00	-2000.00	0.00
404	-1954	-1990	-1991	-1955	M	L	0.00	-2000.00	0.00
404	-1955	-1991	-1992	-1956	M	L	0.00	-2000.00	0.00
404	-1956	-1992	-1993	-1957	M	L	0.00	-2000.00	0.00
404	-1957	-1993	-1994	-1958	M	L	0.00	-2000.00	0.00
404	-1958	-1994	-1995	-1959	M	L	0.00	-2000.00	0.00
404	-1959	-1995	-1996	-1960	M	L	0.00	-2000.00	0.00
404	-1960	-1996	-1997	-1961	M	L	0.00	-2000.00	0.00
404	-1961	-1997	-1998	-1962	M	L	0.00	-2000.00	0.00
404	-1962	-1998	-1999	-1963	M	L	0.00	-2000.00	0.00
404	-1963	-1999	-3389	-3388	M	L	0.00	-2000.00	0.00
404	-1964	-2000	-2001	-1965	M	L	0.00	-2000.00	0.00
404	-1965	-2001	-2002	-1966	M	L	0.00	-2000.00	0.00
404	-1966	-2002	-2003	-1967	M	L	0.00	-2000.00	0.00
404	-1967	-2003	-2004	-1968	M	L	0.00	-2000.00	0.00
404	-1968	-2004	-1764	-1762	M	L	0.00	-2000.00	0.00
404	-1763	-1765	-2005	-1969	M	L	0.00	-2000.00	0.00
404	-1969	-2005	-2006	-1970	M	L	0.00	-2000.00	0.00
404	-1970	-2006	-2007	-1971	M	L	0.00	-2000.00	0.00
404	-1971	-2007	-2008	-1972	M	L	0.00	-2000.00	0.00
404	-1972	-2008	-2009	-1973	M	L	0.00	-2000.00	0.00
404	-1973	-2009	-2010	-1974	M	L	0.00	-2000.00	0.00
404	-2185	-2221	-2222	-2186	M	L	0.00	-2000.00	0.00
404	-2186	-2222	-2223	-2187	M	L	0.00	-2000.00	0.00
404	-2187	-2223	-2224	-2188	M	L	0.00	-2000.00	0.00
404	-2188	-2224	-2225	-2189	M	L	0.00	-2000.00	0.00
404	-2189	-2225	-2226	-2190	M	L	0.00	-2000.00	0.00
404	-2190	-2226	-2227	-2191	M	L	0.00	-2000.00	0.00
404	-2191	-2227	-2228	-2192	M	L	0.00	-2000.00	0.00
404	-2192	-2228	-2229	-2193	M	L	0.00	-2000.00	0.00
404	-2193	-2229	-2230	-2194	M	L	0.00	-2000.00	0.00
404	-2194	-2230	-2231	-2195	M	L	0.00	-2000.00	0.00
404	-2195	-2231	-2232	-2196	M	L	0.00	-2000.00	0.00
404	-2196	-2232	-2233	-2197	M	L	0.00	-2000.00	0.00
404	-2197	-2233	-2234	-2198	M	L	0.00	-2000.00	0.00
404	-2198	-2234	-2235	-2199	M	L	0.00	-2000.00	0.00
404	-2199	-2235	-2236	-2200	M	L	0.00	-2000.00	0.00
404	-2200	-2236	-2237	-2201	M	L	0.00	-2000.00	0.00

404	-2201	-2237	-2238	-2202	M	L	0.00	-2000.00	0.00
404	-1991	-2027	-2028	-1992	M	L	0.00	-2000.00	0.00
404	-1992	-2028	-2029	-1993	M	L	0.00	-2000.00	0.00
404	-1993	-2029	-2030	-1994	M	L	0.00	-2000.00	0.00
404	-1994	-2030	-2031	-1995	M	L	0.00	-2000.00	0.00
404	-1995	-2031	-2032	-1996	M	L	0.00	-2000.00	0.00
404	-1996	-2032	-2033	-1997	M	L	0.00	-2000.00	0.00
404	-1997	-2033	-2034	-1998	M	L	0.00	-2000.00	0.00
404	-1998	-2034	-2035	-1999	M	L	0.00	-2000.00	0.00
404	-1999	-2035	-3390	-3389	M	L	0.00	-2000.00	0.00
404	-2000	-2036	-2037	-2001	M	L	0.00	-2000.00	0.00
404	-2001	-2037	-2038	-2002	M	L	0.00	-2000.00	0.00
404	-2002	-2038	-2039	-2003	M	L	0.00	-2000.00	0.00
404	-2003	-2039	-2040	-2004	M	L	0.00	-2000.00	0.00
404	-2004	-2040	-1766	-1764	M	L	0.00	-2000.00	0.00
404	-1765	-1767	-2041	-2005	M	L	0.00	-2000.00	0.00
404	-2005	-2041	-2042	-2006	M	L	0.00	-2000.00	0.00
404	-2006	-2042	-2043	-2007	M	L	0.00	-2000.00	0.00
404	-2007	-2043	-2044	-2008	M	L	0.00	-2000.00	0.00
404	-2008	-2044	-2045	-2009	M	L	0.00	-2000.00	0.00
404	-2009	-2045	-2046	-2010	M	L	0.00	-2000.00	0.00
404	-2010	-2046	-2047	-2011	M	L	0.00	-2000.00	0.00
404	-2011	-2047	-2048	-2012	M	L	0.00	-2000.00	0.00
404	-2012	-2048	-2049	-2013	M	L	0.00	-2000.00	0.00
404	-2013	-2049	-2050	-2014	M	L	0.00	-2000.00	0.00
404	-1909	-1945	-1946	-1910	M	L	0.00	-2000.00	0.00
404	-1910	-1946	-1947	-1911	M	L	0.00	-2000.00	0.00
404	-1911	-1947	-1948	-1912	M	L	0.00	-2000.00	0.00
404	-1912	-1948	-1949	-1913	M	L	0.00	-2000.00	0.00
404	-1913	-1949	-1950	-1914	M	L	0.00	-2000.00	0.00
404	-1914	-1950	-1951	-1915	M	L	0.00	-2000.00	0.00
404	-1915	-1951	-1952	-1916	M	L	0.00	-2000.00	0.00
404	-1916	-1952	-1953	-1917	M	L	0.00	-2000.00	0.00
404	-1917	-1953	-1954	-1918	M	L	0.00	-2000.00	0.00
404	-1918	-1954	-1955	-1919	M	L	0.00	-2000.00	0.00
404	-1919	-1955	-1956	-1920	M	L	0.00	-2000.00	0.00
404	-1920	-1956	-1957	-1921	M	L	0.00	-2000.00	0.00
404	-1921	-1957	-1958	-1922	M	L	0.00	-2000.00	0.00
404	-1922	-1958	-1959	-1923	M	L	0.00	-2000.00	0.00
404	-1923	-1959	-1960	-1924	M	L	0.00	-2000.00	0.00
404	-1924	-1960	-1961	-1925	M	L	0.00	-2000.00	0.00
404	-1925	-1961	-1962	-1926	M	L	0.00	-2000.00	0.00
404	-1926	-1962	-1963	-1927	M	L	0.00	-2000.00	0.00
404	-1927	-1963	-3388	-3387	M	L	0.00	-2000.00	0.00
404	-1928	-1964	-1965	-1929	M	L	0.00	-2000.00	0.00
404	-1929	-1965	-1966	-1930	M	L	0.00	-2000.00	0.00
404	-1930	-1966	-1967	-1931	M	L	0.00	-2000.00	0.00
404	-1931	-1967	-1968	-1932	M	L	0.00	-2000.00	0.00
404	-2248	-2284	-2285	-2249	M	L	0.00	-2000.00	0.00
404	-2249	-2285	-2286	-2250	M	L	0.00	-2000.00	0.00
404	-2250	-2286	-2287	-2251	M	L	0.00	-2000.00	0.00
404	-2251	-2287	-3397	-3396	M	L	0.00	-2000.00	0.00
404	-2252	-2288	-2289	-2253	M	L	0.00	-2000.00	0.00
404	-2253	-2289	-2290	-2254	M	L	0.00	-2000.00	0.00
404	-2254	-2290	-2291	-2255	M	L	0.00	-2000.00	0.00
404	-2255	-2291	-2292	-2256	M	L	0.00	-2000.00	0.00
404	-2256	-2292	-1780	-1778	M	L	0.00	-2000.00	0.00
404	-1779	-1781	-2293	-2257	M	L	0.00	-2000.00	0.00
404	-2257	-2293	-2294	-2258	M	L	0.00	-2000.00	0.00
404	-2258	-2294	-2295	-2259	M	L	0.00	-2000.00	0.00
404	-2259	-2295	-2296	-2260	M	L	0.00	-2000.00	0.00
404	-2260	-2296	-2297	-2261	M	L	0.00	-2000.00	0.00
404	-2261	-2297	-2298	-2262	M	L	0.00	-2000.00	0.00
404	-2262	-2298	-2299	-2263	M	L	0.00	-2000.00	0.00
404	-2263	-2299	-2300	-2264	M	L	0.00	-2000.00	0.00
404	-2264	-2300	-2301	-2265	M	L	0.00	-2000.00	0.00
404	-2265	-2301	-2302	-2266	M	L	0.00	-2000.00	0.00
404	-2266	-2302	-2303	-2267	M	L	0.00	-2000.00	0.00
404	-2267	-2303	-2304	-2268	M	L	0.00	-2000.00	0.00
404	-2268	-2304	-2305	-2269	M	L	0.00	-2000.00	0.00
404	-2269	-2305	-2306	-2270	M	L	0.00	-2000.00	0.00
404	-2270	-2306	-2307	-2271	M	L	0.00	-2000.00	0.00
404	-2271	-2307	-2308	-2272	M	L	0.00	-2000.00	0.00
404	-2272	-2308	-2309	-2273	M	L	0.00	-2000.00	0.00
404	-2273	-2309	-2310	-2274	M	L	0.00	-2000.00	0.00
404	-2274	-2310	-2311	-2275	M	L	0.00	-2000.00	0.00
404	-2275	-2311	-2312	-2276	M	L	0.00	-2000.00	0.00
404	-2276	-2312	-2313	-2277	M	L	0.00	-2000.00	0.00
404	-2277	-2313	-2314	-2278	M	L	0.00	-2000.00	0.00

404	-2278	-2314	-2315	-2279	M	L	0.00	-2000.00	0.00
404	-2279	-2315	-2316	-2280	M	L	0.00	-2000.00	0.00
404	-2280	-2316	-2317	-2281	M	L	0.00	-2000.00	0.00
404	-2281	-2317	-2318	-2282	M	L	0.00	-2000.00	0.00
404	-2282	-2318	-2319	-2283	M	L	0.00	-2000.00	0.00
404	-2283	-2319	-2320	-2284	M	L	0.00	-2000.00	0.00
404	-2284	-2320	-2321	-2285	M	L	0.00	-2000.00	0.00
404	-2285	-2321	-2322	-2286	M	L	0.00	-2000.00	0.00
404	-2286	-2322	-2323	-2287	M	L	0.00	-2000.00	0.00
404	-2287	-2323	-3398	-3397	M	L	0.00	-2000.00	0.00
404	-2288	-2324	-2325	-2289	M	L	0.00	-2000.00	0.00
404	-2289	-2325	-2326	-2290	M	L	0.00	-2000.00	0.00
404	-2290	-2326	-2327	-2291	M	L	0.00	-2000.00	0.00
404	-2291	-2327	-2328	-2292	M	L	0.00	-2000.00	0.00
404	-2292	-2328	-1782	-1780	M	L	0.00	-2000.00	0.00
404	-1781	-1783	-2329	-2293	M	L	0.00	-2000.00	0.00
404	-2293	-2329	-2330	-2294	M	L	0.00	-2000.00	0.00
404	-2294	-2330	-2331	-2295	M	L	0.00	-2000.00	0.00
404	-2295	-2331	-2332	-2296	M	L	0.00	-2000.00	0.00
404	-2296	-2332	-2333	-2297	M	L	0.00	-2000.00	0.00
404	-2297	-2333	-2334	-2298	M	L	0.00	-2000.00	0.00
404	-2298	-2334	-2335	-2299	M	L	0.00	-2000.00	0.00
404	-2299	-2335	-2336	-2300	M	L	0.00	-2000.00	0.00
404	-2300	-2336	-2337	-2301	M	L	0.00	-2000.00	0.00
404	-2301	-2337	-2338	-2302	M	L	0.00	-2000.00	0.00
404	-2302	-2338	-2339	-2303	M	L	0.00	-2000.00	0.00
404	-2303	-2339	-2340	-2304	M	L	0.00	-2000.00	0.00
404	-2304	-2340	-2341	-2305	M	L	0.00	-2000.00	0.00
404	-2305	-2341	-2342	-2306	M	L	0.00	-2000.00	0.00
404	-2306	-2342	-2343	-2307	M	L	0.00	-2000.00	0.00
404	-2307	-2343	-2344	-2308	M	L	0.00	-2000.00	0.00
404	-2308	-2344	-2345	-2309	M	L	0.00	-2000.00	0.00
404	-2309	-2345	-2346	-2310	M	L	0.00	-2000.00	0.00
404	-2310	-2346	-2347	-2311	M	L	0.00	-2000.00	0.00
404	-2311	-2347	-2348	-2312	M	L	0.00	-2000.00	0.00
404	-2312	-2348	-2349	-2313	M	L	0.00	-2000.00	0.00
404	-2313	-2349	-2350	-2314	M	L	0.00	-2000.00	0.00
404	-2314	-2350	-2351	-2315	M	L	0.00	-2000.00	0.00
404	-2315	-2351	-2352	-2316	M	L	0.00	-2000.00	0.00
404	-2316	-2352	-2353	-2317	M	L	0.00	-2000.00	0.00
404	-2317	-2353	-2354	-2318	M	L	0.00	-2000.00	0.00
404	-2318	-2354	-2355	-2319	M	L	0.00	-2000.00	0.00
404	-2319	-2355	-2356	-2320	M	L	0.00	-2000.00	0.00
404	-2320	-2356	-2357	-2321	M	L	0.00	-2000.00	0.00
404	-2321	-2357	-2358	-2322	M	L	0.00	-2000.00	0.00
404	-2322	-2358	-2359	-2323	M	L	0.00	-2000.00	0.00
404	-2323	-2359	-3399	-3398	M	L	0.00	-2000.00	0.00
404	-2324	-2360	-2361	-2325	M	L	0.00	-2000.00	0.00
404	-2325	-2361	-2362	-2326	M	L	0.00	-2000.00	0.00
404	-2326	-2362	-2363	-2327	M	L	0.00	-2000.00	0.00
404	-2327	-2363	-2364	-2328	M	L	0.00	-2000.00	0.00
404	-2328	-2364	-1784	-1782	M	L	0.00	-2000.00	0.00
404	-1783	-1785	-2365	-2329	M	L	0.00	-2000.00	0.00
404	-2329	-2365	-2366	-2330	M	L	0.00	-2000.00	0.00
404	-2330	-2366	-2367	-2331	M	L	0.00	-2000.00	0.00
404	-2331	-2367	-2368	-2332	M	L	0.00	-2000.00	0.00
404	-2332	-2368	-2369	-2333	M	L	0.00	-2000.00	0.00
404	-2333	-2369	-2370	-2334	M	L	0.00	-2000.00	0.00
404	-2334	-2370	-2371	-2335	M	L	0.00	-2000.00	0.00
404	-2335	-2371	-2372	-2336	M	L	0.00	-2000.00	0.00
404	-2336	-2372	-2373	-2337	M	L	0.00	-2000.00	0.00
404	-2337	-2373	-2374	-2338	M	L	0.00	-2000.00	0.00
404	-2338	-2374	-2375	-2339	M	L	0.00	-2000.00	0.00
404	-2339	-2375	-2376	-2340	M	L	0.00	-2000.00	0.00
404	-2340	-2376	-2377	-2341	M	L	0.00	-2000.00	0.00
404	-2341	-2377	-2378	-2342	M	L	0.00	-2000.00	0.00
404	-2342	-2378	-2379	-2343	M	L	0.00	-2000.00	0.00
404	-2343	-2379	-2380	-2344	M	L	0.00	-2000.00	0.00
404	-2344	-2380	-2381	-2345	M	L	0.00	-2000.00	0.00
404	-2345	-2381	-2382	-2346	M	L	0.00	-2000.00	0.00
404	-2346	-2382	-2383	-2347	M	L	0.00	-2000.00	0.00
404	-2347	-2383	-2384	-2348	M	L	0.00	-2000.00	0.00
404	-2348	-2384	-2385	-2349	M	L	0.00	-2000.00	0.00
404	-2349	-2385	-2386	-2350	M	L	0.00	-2000.00	0.00
404	-2350	-2386	-2387	-2351	M	L	0.00	-2000.00	0.00
404	-2351	-2387	-2388	-2352	M	L	0.00	-2000.00	0.00
404	-2352	-2388	-2389	-2353	M	L	0.00	-2000.00	0.00
404	-2353	-2389	-2390	-2354	M	L	0.00	-2000.00	0.00
404	-2354	-2390	-2391	-2355	M	L	0.00	-2000.00	0.00

404	-2355	-2391	-2392	-2356	M	L	0.00	-2000.00	0.00
404	-2356	-2392	-2393	-2357	M	L	0.00	-2000.00	0.00
404	-2357	-2393	-2394	-2358	M	L	0.00	-2000.00	0.00
404	-2358	-2394	-2395	-2359	M	L	0.00	-2000.00	0.00
404	-2359	-2395	-3400	-3399	M	L	0.00	-2000.00	0.00
404	-2360	-2396	-2397	-2361	M	L	0.00	-2000.00	0.00
404	-2361	-2397	-2398	-2362	M	L	0.00	-2000.00	0.00
404	-2362	-2398	-2399	-2363	M	L	0.00	-2000.00	0.00
404	-2363	-2399	-2400	-2364	M	L	0.00	-2000.00	0.00
404	-2364	-2400	-1786	-1784	M	L	0.00	-2000.00	0.00
404	-1785	-1787	-2401	-2365	M	L	0.00	-2000.00	0.00
404	-2365	-2401	-2402	-2366	M	L	0.00	-2000.00	0.00
404	-2366	-2402	-2403	-2367	M	L	0.00	-2000.00	0.00
404	-2367	-2403	-2404	-2368	M	L	0.00	-2000.00	0.00
404	-2368	-2404	-2405	-2369	M	L	0.00	-2000.00	0.00
404	-2369	-2405	-2406	-2370	M	L	0.00	-2000.00	0.00
404	-2370	-2406	-2407	-2371	M	L	0.00	-2000.00	0.00
404	-2371	-2407	-2408	-2372	M	L	0.00	-2000.00	0.00
404	-2372	-2408	-2409	-2373	M	L	0.00	-2000.00	0.00
404	-2373	-2409	-2410	-2374	M	L	0.00	-2000.00	0.00
404	-2374	-2410	-2411	-2375	M	L	0.00	-2000.00	0.00
404	-2375	-2411	-2412	-2376	M	L	0.00	-2000.00	0.00
404	-2376	-2412	-2413	-2377	M	L	0.00	-2000.00	0.00
404	-2377	-2413	-2414	-2378	M	L	0.00	-2000.00	0.00
404	-2378	-2414	-2415	-2379	M	L	0.00	-2000.00	0.00
404	-2379	-2415	-2416	-2380	M	L	0.00	-2000.00	0.00
404	-2380	-2416	-2417	-2381	M	L	0.00	-2000.00	0.00
404	-2381	-2417	-2418	-2382	M	L	0.00	-2000.00	0.00
404	-2382	-2418	-2419	-2383	M	L	0.00	-2000.00	0.00
404	-2383	-2419	-2420	-2384	M	L	0.00	-2000.00	0.00
404	-2384	-2420	-2421	-2385	M	L	0.00	-2000.00	0.00
404	-2385	-2421	-2422	-2386	M	L	0.00	-2000.00	0.00
404	-2386	-2422	-2423	-2387	M	L	0.00	-2000.00	0.00
404	-2387	-2423	-2424	-2388	M	L	0.00	-2000.00	0.00
404	-2388	-2424	-2425	-2389	M	L	0.00	-2000.00	0.00
404	-2389	-2425	-2426	-2390	M	L	0.00	-2000.00	0.00
404	-2390	-2426	-2427	-2391	M	L	0.00	-2000.00	0.00
404	-2391	-2427	-2428	-2392	M	L	0.00	-2000.00	0.00
404	-2392	-2428	-2429	-2393	M	L	0.00	-2000.00	0.00
404	-2393	-2429	-2430	-2394	M	L	0.00	-2000.00	0.00
404	-2394	-2430	-2431	-2395	M	L	0.00	-2000.00	0.00
404	-2395	-2431	-3401	-3400	M	L	0.00	-2000.00	0.00
404	-2396	-2432	-2433	-2397	M	L	0.00	-2000.00	0.00
404	-2397	-2433	-2434	-2398	M	L	0.00	-2000.00	0.00
404	-2398	-2434	-2435	-2399	M	L	0.00	-2000.00	0.00
404	-2399	-2435	-2436	-2400	M	L	0.00	-2000.00	0.00
404	-2400	-2436	-1788	-1786	M	L	0.00	-2000.00	0.00
404	-1787	14	-1789	-2401	M	L	0.00	-2000.00	0.00
404	-2401	-1789	-1791	-2402	M	L	0.00	-2000.00	0.00
404	-2402	-1791	-1793	-2403	M	L	0.00	-2000.00	0.00
404	-2403	-1793	-1795	-2404	M	L	0.00	-2000.00	0.00
404	-2404	-1795	-1797	-2405	M	L	0.00	-2000.00	0.00
404	-2405	-1797	-1799	-2406	M	L	0.00	-2000.00	0.00
404	-2406	-1799	-1801	-2407	M	L	0.00	-2000.00	0.00
404	-2407	-1801	-1803	-2408	M	L	0.00	-2000.00	0.00
404	-2408	-1803	-1805	-2409	M	L	0.00	-2000.00	0.00
404	-2409	-1805	-1807	-2410	M	L	0.00	-2000.00	0.00
404	-2410	-1807	-1809	-2411	M	L	0.00	-2000.00	0.00
404	-2411	-1809	-1811	-2412	M	L	0.00	-2000.00	0.00
404	-2412	-1811	-1813	-2413	M	L	0.00	-2000.00	0.00
404	-2413	-1813	-1815	-2414	M	L	0.00	-2000.00	0.00
404	-2414	-1815	-1817	-2415	M	L	0.00	-2000.00	0.00
404	-2415	-1817	-1819	-2416	M	L	0.00	-2000.00	0.00
404	-2416	-1819	-1821	-2417	M	L	0.00	-2000.00	0.00
404	-2417	-1821	-1823	-2418	M	L	0.00	-2000.00	0.00
404	-2418	-1823	-1825	-2419	M	L	0.00	-2000.00	0.00
404	-2419	-1825	-1827	-2420	M	L	0.00	-2000.00	0.00
404	-2420	-1827	-1829	-2421	M	L	0.00	-2000.00	0.00
404	-2421	-1829	-1831	-2422	M	L	0.00	-2000.00	0.00
404	-2422	-1831	-1833	-2423	M	L	0.00	-2000.00	0.00
404	-2423	-1833	-1835	-2424	M	L	0.00	-2000.00	0.00
404	-2424	-1835	-1837	-2425	M	L	0.00	-2000.00	0.00
404	-2425	-1837	-1839	-2426	M	L	0.00	-2000.00	0.00
404	-2426	-1839	-1841	-2427	M	L	0.00	-2000.00	0.00
404	-2427	-1841	-1843	-2428	M	L	0.00	-2000.00	0.00
404	-2428	-1843	-1845	-2429	M	L	0.00	-2000.00	0.00
404	-2429	-1845	-1847	-2430	M	L	0.00	-2000.00	0.00
404	-2430	-1847	-1849	-2431	M	L	0.00	-2000.00	0.00
404	-2431	-1849	-3402	-3401	M	L	0.00	-2000.00	0.00

404	-2432	-1851	-1853	-2433	M	L	0.00	-2000.00	0.00
404	-2433	-1853	-1855	-2434	M	L	0.00	-2000.00	0.00
404	-2434	-1855	-1857	-2435	M	L	0.00	-2000.00	0.00
404	-2435	-1857	-1859	-2436	M	L	0.00	-2000.00	0.00
404	-2436	-1859	103	-1788	M	L	0.00	-2000.00	0.00
404	-2014	-2050	-2051	-2015	M	L	0.00	-2000.00	0.00
404	-2015	-2051	-2052	-2016	M	L	0.00	-2000.00	0.00
404	-2016	-2052	-2053	-2017	M	L	0.00	-2000.00	0.00
404	-2017	-2053	-2054	-2018	M	L	0.00	-2000.00	0.00
404	-2018	-2054	-2055	-2019	M	L	0.00	-2000.00	0.00
404	-2019	-2055	-2056	-2020	M	L	0.00	-2000.00	0.00
404	-2020	-2056	-2057	-2021	M	L	0.00	-2000.00	0.00
404	-2021	-2057	-2058	-2022	M	L	0.00	-2000.00	0.00
404	-2022	-2058	-2059	-2023	M	L	0.00	-2000.00	0.00
404	-2023	-2059	-2060	-2024	M	L	0.00	-2000.00	0.00
404	-2024	-2060	-2061	-2025	M	L	0.00	-2000.00	0.00
404	-2025	-2061	-2062	-2026	M	L	0.00	-2000.00	0.00
404	-2026	-2062	-2063	-2027	M	L	0.00	-2000.00	0.00
404	-2027	-2063	-2064	-2028	M	L	0.00	-2000.00	0.00
404	-2028	-2064	-2065	-2029	M	L	0.00	-2000.00	0.00
404	-2029	-2065	-2066	-2030	M	L	0.00	-2000.00	0.00
404	-2030	-2066	-2067	-2031	M	L	0.00	-2000.00	0.00
404	-2031	-2067	-2068	-2032	M	L	0.00	-2000.00	0.00
404	-2032	-2068	-2069	-2033	M	L	0.00	-2000.00	0.00
404	-2033	-2069	-2070	-2034	M	L	0.00	-2000.00	0.00
404	-2034	-2070	-2071	-2035	M	L	0.00	-2000.00	0.00
404	-2035	-2071	-3391	-3390	M	L	0.00	-2000.00	0.00
404	-2036	-2072	-2073	-2037	M	L	0.00	-2000.00	0.00
404	-2037	-2073	-2074	-2038	M	L	0.00	-2000.00	0.00
404	-2038	-2074	-2075	-2039	M	L	0.00	-2000.00	0.00
404	-2039	-2075	-2076	-2040	M	L	0.00	-2000.00	0.00
404	-2040	-2076	-1768	-1766	M	L	0.00	-2000.00	0.00
404	-1767	-1769	-2077	-2041	M	L	0.00	-2000.00	0.00
404	-2041	-2077	-2078	-2042	M	L	0.00	-2000.00	0.00
404	-2042	-2078	-2079	-2043	M	L	0.00	-2000.00	0.00
404	-2043	-2079	-2080	-2044	M	L	0.00	-2000.00	0.00
404	-2044	-2080	-2081	-2045	M	L	0.00	-2000.00	0.00
404	-2045	-2081	-2082	-2046	M	L	0.00	-2000.00	0.00
404	-2046	-2082	-2083	-2047	M	L	0.00	-2000.00	0.00
404	-2047	-2083	-2084	-2048	M	L	0.00	-2000.00	0.00
404	-2048	-2084	-2085	-2049	M	L	0.00	-2000.00	0.00
404	-2049	-2085	-2086	-2050	M	L	0.00	-2000.00	0.00
404	-2050	-2086	-2087	-2051	M	L	0.00	-2000.00	0.00
404	-2051	-2087	-2088	-2052	M	L	0.00	-2000.00	0.00
404	-2052	-2088	-2089	-2053	M	L	0.00	-2000.00	0.00
404	-2053	-2089	-2090	-2054	M	L	0.00	-2000.00	0.00
404	-2054	-2090	-2091	-2055	M	L	0.00	-2000.00	0.00
404	-2055	-2091	-2092	-2056	M	L	0.00	-2000.00	0.00
404	-2056	-2092	-2093	-2057	M	L	0.00	-2000.00	0.00
404	-2057	-2093	-2094	-2058	M	L	0.00	-2000.00	0.00
404	-2058	-2094	-2095	-2059	M	L	0.00	-2000.00	0.00
404	-2059	-2095	-2096	-2060	M	L	0.00	-2000.00	0.00
404	-2060	-2096	-2097	-2061	M	L	0.00	-2000.00	0.00
404	-2061	-2097	-2098	-2062	M	L	0.00	-2000.00	0.00
404	-2062	-2098	-2099	-2063	M	L	0.00	-2000.00	0.00
404	-2063	-2099	-2100	-2064	M	L	0.00	-2000.00	0.00
404	-2064	-2100	-2101	-2065	M	L	0.00	-2000.00	0.00
404	-2065	-2101	-2102	-2066	M	L	0.00	-2000.00	0.00
404	-2066	-2102	-2103	-2067	M	L	0.00	-2000.00	0.00
404	-2067	-2103	-2104	-2068	M	L	0.00	-2000.00	0.00
404	-2068	-2104	-2105	-2069	M	L	0.00	-2000.00	0.00
404	-2069	-2105	-2106	-2070	M	L	0.00	-2000.00	0.00
404	-2070	-2106	-2107	-2071	M	L	0.00	-2000.00	0.00
404	-2071	-2107	-3392	-3391	M	L	0.00	-2000.00	0.00
404	-2072	-2108	-2109	-2073	M	L	0.00	-2000.00	0.00
404	-2073	-2109	-2110	-2074	M	L	0.00	-2000.00	0.00
404	-2074	-2110	-2111	-2075	M	L	0.00	-2000.00	0.00
404	-2075	-2111	-2112	-2076	M	L	0.00	-2000.00	0.00
404	-2076	-2112	-1770	-1768	M	L	0.00	-2000.00	0.00
404	-1769	-1771	-2113	-2077	M	L	0.00	-2000.00	0.00
404	-2077	-2113	-2114	-2078	M	L	0.00	-2000.00	0.00
404	-2078	-2114	-2115	-2079	M	L	0.00	-2000.00	0.00
404	-2079	-2115	-2116	-2080	M	L	0.00	-2000.00	0.00
404	-2080	-2116	-2117	-2081	M	L	0.00	-2000.00	0.00
404	-2081	-2117	-2118	-2082	M	L	0.00	-2000.00	0.00
404	-2082	-2118	-2119	-2083	M	L	0.00	-2000.00	0.00
404	-2083	-2119	-2120	-2084	M	L	0.00	-2000.00	0.00
404	-2084	-2120	-2121	-2085	M	L	0.00	-2000.00	0.00
404	-2085	-2121	-2122	-2086	M	L	0.00	-2000.00	0.00

404	-2086	-2122	-2123	-2087	M	L	0.00	-2000.00	0.00
404	-2087	-2123	-2124	-2088	M	L	0.00	-2000.00	0.00
404	-2088	-2124	-2125	-2089	M	L	0.00	-2000.00	0.00
404	-2089	-2125	-2126	-2090	M	L	0.00	-2000.00	0.00
404	-2090	-2126	-2127	-2091	M	L	0.00	-2000.00	0.00
404	-2091	-2127	-2128	-2092	M	L	0.00	-2000.00	0.00
404	-2092	-2128	-2129	-2093	M	L	0.00	-2000.00	0.00
404	-2093	-2129	-2130	-2094	M	L	0.00	-2000.00	0.00
404	-2094	-2130	-2131	-2095	M	L	0.00	-2000.00	0.00
404	-2095	-2131	-2132	-2096	M	L	0.00	-2000.00	0.00
404	-2096	-2132	-2133	-2097	M	L	0.00	-2000.00	0.00
404	-2097	-2133	-2134	-2098	M	L	0.00	-2000.00	0.00
404	-2098	-2134	-2135	-2099	M	L	0.00	-2000.00	0.00
404	-2099	-2135	-2136	-2100	M	L	0.00	-2000.00	0.00
404	-2100	-2136	-2137	-2101	M	L	0.00	-2000.00	0.00
404	-2101	-2137	-2138	-2102	M	L	0.00	-2000.00	0.00
404	-2102	-2138	-2139	-2103	M	L	0.00	-2000.00	0.00
404	-2103	-2139	-2140	-2104	M	L	0.00	-2000.00	0.00
404	-2104	-2140	-2141	-2105	M	L	0.00	-2000.00	0.00
404	-2105	-2141	-2142	-2106	M	L	0.00	-2000.00	0.00
404	-2106	-2142	-2143	-2107	M	L	0.00	-2000.00	0.00
404	-2107	-2143	-3393	-3392	M	L	0.00	-2000.00	0.00
404	-2108	-2144	-2145	-2109	M	L	0.00	-2000.00	0.00
404	-2109	-2145	-2146	-2110	M	L	0.00	-2000.00	0.00
404	-2110	-2146	-2147	-2111	M	L	0.00	-2000.00	0.00
404	-2111	-2147	-2148	-2112	M	L	0.00	-2000.00	0.00
404	-2112	-2148	-1772	-1770	M	L	0.00	-2000.00	0.00
404	-1771	-1773	-2149	-2113	M	L	0.00	-2000.00	0.00
404	-2113	-2149	-2150	-2114	M	L	0.00	-2000.00	0.00
404	-2114	-2150	-2151	-2115	M	L	0.00	-2000.00	0.00
404	-2115	-2151	-2152	-2116	M	L	0.00	-2000.00	0.00
404	-2116	-2152	-2153	-2117	M	L	0.00	-2000.00	0.00
404	-2117	-2153	-2154	-2118	M	L	0.00	-2000.00	0.00
404	-2118	-2154	-2155	-2119	M	L	0.00	-2000.00	0.00
404	-2119	-2155	-2156	-2120	M	L	0.00	-2000.00	0.00
404	-2120	-2156	-2157	-2121	M	L	0.00	-2000.00	0.00
404	-2121	-2157	-2158	-2122	M	L	0.00	-2000.00	0.00
404	-2122	-2158	-2159	-2123	M	L	0.00	-2000.00	0.00
404	-2123	-2159	-2160	-2124	M	L	0.00	-2000.00	0.00
404	-2124	-2160	-2161	-2125	M	L	0.00	-2000.00	0.00
404	-2125	-2161	-2162	-2126	M	L	0.00	-2000.00	0.00
404	-2126	-2162	-2163	-2127	M	L	0.00	-2000.00	0.00
404	-2127	-2163	-2164	-2128	M	L	0.00	-2000.00	0.00
404	-2128	-2164	-2165	-2129	M	L	0.00	-2000.00	0.00
404	-2129	-2165	-2166	-2130	M	L	0.00	-2000.00	0.00
404	-2130	-2166	-2167	-2131	M	L	0.00	-2000.00	0.00
404	-2131	-2167	-2168	-2132	M	L	0.00	-2000.00	0.00
404	-2132	-2168	-2169	-2133	M	L	0.00	-2000.00	0.00
404	-2133	-2169	-2170	-2134	M	L	0.00	-2000.00	0.00
404	-2134	-2170	-2171	-2135	M	L	0.00	-2000.00	0.00
404	-2135	-2171	-2172	-2136	M	L	0.00	-2000.00	0.00
404	-2136	-2172	-2173	-2137	M	L	0.00	-2000.00	0.00
404	-2137	-2173	-2174	-2138	M	L	0.00	-2000.00	0.00
404	-2138	-2174	-2175	-2139	M	L	0.00	-2000.00	0.00
404	-2139	-2175	-2176	-2140	M	L	0.00	-2000.00	0.00
404	-2140	-2176	-2177	-2141	M	L	0.00	-2000.00	0.00
404	-2141	-2177	-2178	-2142	M	L	0.00	-2000.00	0.00
404	-2142	-2178	-2179	-2143	M	L	0.00	-2000.00	0.00
404	-2143	-2179	-3394	-3393	M	L	0.00	-2000.00	0.00
404	-2144	-2180	-2181	-2145	M	L	0.00	-2000.00	0.00
404	-2145	-2181	-2182	-2146	M	L	0.00	-2000.00	0.00
404	-2146	-2182	-2183	-2147	M	L	0.00	-2000.00	0.00
404	-2147	-2183	-2184	-2148	M	L	0.00	-2000.00	0.00
404	-2148	-2184	-1774	-1772	M	L	0.00	-2000.00	0.00
404	205	-1757	-1861	-1790	M	L	0.00	-2000.00	0.00
404	-2149	-2185	-2186	-2150	M	L	0.00	-2000.00	0.00
404	-2150	-2186	-2187	-2151	M	L	0.00	-2000.00	0.00
404	-2151	-2187	-2188	-2152	M	L	0.00	-2000.00	0.00
404	-2152	-2188	-2189	-2153	M	L	0.00	-2000.00	0.00
404	-2153	-2189	-2190	-2154	M	L	0.00	-2000.00	0.00
404	-2154	-2190	-2191	-2155	M	L	0.00	-2000.00	0.00
404	-2155	-2191	-2192	-2156	M	L	0.00	-2000.00	0.00
404	-2156	-2192	-2193	-2157	M	L	0.00	-2000.00	0.00
404	-2157	-2193	-2194	-2158	M	L	0.00	-2000.00	0.00
404	-2158	-2194	-2195	-2159	M	L	0.00	-2000.00	0.00
404	-2159	-2195	-2196	-2160	M	L	0.00	-2000.00	0.00
404	-2160	-2196	-2197	-2161	M	L	0.00	-2000.00	0.00
404	-2161	-2197	-2198	-2162	M	L	0.00	-2000.00	0.00
404	-2162	-2198	-2199	-2163	M	L	0.00	-2000.00	0.00

404	-2163	-2199	-2200	-2164	M	L	0.00	-2000.00	0.00
404	-2164	-2200	-2201	-2165	M	L	0.00	-2000.00	0.00
404	-2165	-2201	-2202	-2166	M	L	0.00	-2000.00	0.00
404	-2166	-2202	-2203	-2167	M	L	0.00	-2000.00	0.00
404	-2167	-2203	-2204	-2168	M	L	0.00	-2000.00	0.00
404	-2168	-2204	-2205	-2169	M	L	0.00	-2000.00	0.00
404	-2169	-2205	-2206	-2170	M	L	0.00	-2000.00	0.00
404	-2170	-2206	-2207	-2171	M	L	0.00	-2000.00	0.00
404	-2171	-2207	-2208	-2172	M	L	0.00	-2000.00	0.00
404	-2172	-2208	-2209	-2173	M	L	0.00	-2000.00	0.00
404	-2173	-2209	-2210	-2174	M	L	0.00	-2000.00	0.00
404	-2174	-2210	-2211	-2175	M	L	0.00	-2000.00	0.00
404	-2175	-2211	-2212	-2176	M	L	0.00	-2000.00	0.00
404	-2176	-2212	-2213	-2177	M	L	0.00	-2000.00	0.00
404	-2177	-2213	-2214	-2178	M	L	0.00	-2000.00	0.00
404	-2178	-2214	-2215	-2179	M	L	0.00	-2000.00	0.00
404	-2179	-2215	-3395	-3394	M	L	0.00	-2000.00	0.00
404	-2180	-2216	-2217	-2181	M	L	0.00	-2000.00	0.00
404	-2181	-2217	-2218	-2182	M	L	0.00	-2000.00	0.00
404	-2182	-2218	-2219	-2183	M	L	0.00	-2000.00	0.00
404	-2183	-2219	-2220	-2184	M	L	0.00	-2000.00	0.00
404	-2184	-2220	-1776	-1774	M	L	0.00	-2000.00	0.00
404	-1775	-1777	-2221	-2185	M	L	0.00	-2000.00	0.00
404	-3370	-3386	-1892	-1852	M	L	0.00	-2000.00	0.00
404	-3386	-3387	-1928	-1892	M	L	0.00	-2000.00	0.00
404	-3387	-3388	-1964	-1928	M	L	0.00	-2000.00	0.00
404	-3388	-3389	-2000	-1964	M	L	0.00	-2000.00	0.00
404	-3389	-3390	-2036	-2000	M	L	0.00	-2000.00	0.00
404	-3390	-3391	-2072	-2036	M	L	0.00	-2000.00	0.00
404	-3391	-3392	-2108	-2072	M	L	0.00	-2000.00	0.00
404	-3392	-3393	-2144	-2108	M	L	0.00	-2000.00	0.00
404	-3393	-3394	-2180	-2144	M	L	0.00	-2000.00	0.00
404	-3394	-3395	-2216	-2180	M	L	0.00	-2000.00	0.00
404	-3395	-3396	-2252	-2216	M	L	0.00	-2000.00	0.00
404	-3396	-3397	-2288	-2252	M	L	0.00	-2000.00	0.00
404	-3397	-3398	-2324	-2288	M	L	0.00	-2000.00	0.00
404	-3398	-3399	-2360	-2324	M	L	0.00	-2000.00	0.00
404	-3399	-3400	-2396	-2360	M	L	0.00	-2000.00	0.00
404	-3400	-3401	-2432	-2396	M	L	0.00	-2000.00	0.00
404	-3401	-3402	-1851	-2432	M	L	0.00	-2000.00	0.00
404	-2202	-2238	-2239	-2203	M	L	0.00	-2000.00	0.00
404	-2203	-2239	-2240	-2204	M	L	0.00	-2000.00	0.00
404	-2204	-2240	-2241	-2205	M	L	0.00	-2000.00	0.00
404	-2205	-2241	-2242	-2206	M	L	0.00	-2000.00	0.00
404	-2206	-2242	-2243	-2207	M	L	0.00	-2000.00	0.00
404	-2207	-2243	-2244	-2208	M	L	0.00	-2000.00	0.00
404	-2208	-2244	-2245	-2209	M	L	0.00	-2000.00	0.00
404	-2209	-2245	-2246	-2210	M	L	0.00	-2000.00	0.00
404	-2210	-2246	-2247	-2211	M	L	0.00	-2000.00	0.00
404	-2211	-2247	-2248	-2212	M	L	0.00	-2000.00	0.00
404	-2212	-2248	-2249	-2213	M	L	0.00	-2000.00	0.00
404	-2213	-2249	-2250	-2214	M	L	0.00	-2000.00	0.00
404	-2214	-2250	-2251	-2215	M	L	0.00	-2000.00	0.00
404	-2215	-2251	-3396	-3395	M	L	0.00	-2000.00	0.00
404	-2216	-2252	-2253	-2217	M	L	0.00	-2000.00	0.00
404	-2217	-2253	-2254	-2218	M	L	0.00	-2000.00	0.00
404	-2218	-2254	-2255	-2219	M	L	0.00	-2000.00	0.00
404	-2219	-2255	-2256	-2220	M	L	0.00	-2000.00	0.00
404	-2220	-2256	-1778	-1776	M	L	0.00	-2000.00	0.00
404	-1777	-1779	-2257	-2221	M	L	0.00	-2000.00	0.00
404	-2221	-2257	-2258	-2222	M	L	0.00	-2000.00	0.00
404	-2222	-2258	-2259	-2223	M	L	0.00	-2000.00	0.00
404	-2223	-2259	-2260	-2224	M	L	0.00	-2000.00	0.00
404	-2224	-2260	-2261	-2225	M	L	0.00	-2000.00	0.00
404	-2225	-2261	-2262	-2226	M	L	0.00	-2000.00	0.00
404	-2226	-2262	-2263	-2227	M	L	0.00	-2000.00	0.00
404	-2227	-2263	-2264	-2228	M	L	0.00	-2000.00	0.00
404	-2228	-2264	-2265	-2229	M	L	0.00	-2000.00	0.00
404	-2229	-2265	-2266	-2230	M	L	0.00	-2000.00	0.00
404	-2230	-2266	-2267	-2231	M	L	0.00	-2000.00	0.00
404	-2231	-2267	-2268	-2232	M	L	0.00	-2000.00	0.00
404	-2232	-2268	-2269	-2233	M	L	0.00	-2000.00	0.00
404	-2233	-2269	-2270	-2234	M	L	0.00	-2000.00	0.00
404	-2234	-2270	-2271	-2235	M	L	0.00	-2000.00	0.00
404	-2235	-2271	-2272	-2236	M	L	0.00	-2000.00	0.00
404	-2236	-2272	-2273	-2237	M	L	0.00	-2000.00	0.00
404	-2237	-2273	-2274	-2238	M	L	0.00	-2000.00	0.00
404	-2238	-2274	-2275	-2239	M	L	0.00	-2000.00	0.00
404	-2239	-2275	-2276	-2240	M	L	0.00	-2000.00	0.00

404	-2240	-2276	-2277	-2241	M	L	0.00	-2000.00	0.00
404	-2241	-2277	-2278	-2242	M	L	0.00	-2000.00	0.00
404	-2242	-2278	-2279	-2243	M	L	0.00	-2000.00	0.00
404	-2243	-2279	-2280	-2244	M	L	0.00	-2000.00	0.00
404	-2244	-2280	-2281	-2245	M	L	0.00	-2000.00	0.00
404	-2245	-2281	-2282	-2246	M	L	0.00	-2000.00	0.00
404	-2246	-2282	-2283	-2247	M	L	0.00	-2000.00	0.00
404	-2247	-2283	-2284	-2248	M	L	0.00	-2000.00	0.00
404	-1790	-1861	-1862	-1792	M	L	0.00	-2000.00	0.00
404	-1792	-1862	-1863	-1794	M	L	0.00	-2000.00	0.00
404	-1794	-1863	-1864	-1796	M	L	0.00	-2000.00	0.00
404	-1796	-1864	-1865	-1798	M	L	0.00	-2000.00	0.00
404	-1798	-1865	-1866	-1800	M	L	0.00	-2000.00	0.00
404	-1800	-1866	-1867	-1802	M	L	0.00	-2000.00	0.00
404	-1802	-1867	-1868	-1804	M	L	0.00	-2000.00	0.00
404	-1804	-1868	-1869	-1806	M	L	0.00	-2000.00	0.00
404	-1806	-1869	-1870	-1808	M	L	0.00	-2000.00	0.00
404	-1808	-1870	-1871	-1810	M	L	0.00	-2000.00	0.00
404	-1810	-1871	-1872	-1812	M	L	0.00	-2000.00	0.00
404	-1812	-1872	-1873	-1814	M	L	0.00	-2000.00	0.00
404	-1814	-1873	-1874	-1816	M	L	0.00	-2000.00	0.00
404	-1816	-1874	-1875	-1818	M	L	0.00	-2000.00	0.00
404	-1818	-1875	-1876	-1820	M	L	0.00	-2000.00	0.00
404	-1820	-1876	-1877	-1822	M	L	0.00	-2000.00	0.00
404	-1822	-1877	-1878	-1824	M	L	0.00	-2000.00	0.00
404	-1824	-1878	-1879	-1826	M	L	0.00	-2000.00	0.00
404	-1826	-1879	-1880	-1828	M	L	0.00	-2000.00	0.00
404	-1828	-1880	-1881	-1830	M	L	0.00	-2000.00	0.00
404	-1830	-1881	-1882	-1832	M	L	0.00	-2000.00	0.00
404	-1832	-1882	-1883	-1834	M	L	0.00	-2000.00	0.00
404	-1834	-1883	-1884	-1836	M	L	0.00	-2000.00	0.00
404	-1836	-1884	-1885	-1838	M	L	0.00	-2000.00	0.00
404	-1838	-1885	-1886	-1840	M	L	0.00	-2000.00	0.00
404	-1840	-1886	-1887	-1842	M	L	0.00	-2000.00	0.00
404	-1842	-1887	-1888	-1844	M	L	0.00	-2000.00	0.00
404	-1844	-1888	-1889	-1846	M	L	0.00	-2000.00	0.00
404	-1846	-1889	-1890	-1848	M	L	0.00	-2000.00	0.00
404	-1848	-1890	-1891	-1850	M	L	0.00	-2000.00	0.00
404	-1850	-1891	-3386	-3370	M	L	0.00	-2000.00	0.00
404	-1852	-1892	-1893	-1854	M	L	0.00	-2000.00	0.00
404	-1854	-1893	-1894	-1856	M	L	0.00	-2000.00	0.00
404	-1856	-1894	-1895	-1858	M	L	0.00	-2000.00	0.00
404	-1858	-1895	-1896	-1860	M	L	0.00	-2000.00	0.00
404	-1860	-1896	-1758	217	M	L	0.00	-2000.00	0.00
404	-1757	-1759	-1897	-1861	M	L	0.00	-2000.00	0.00
404	-1861	-1897	-1898	-1862	M	L	0.00	-2000.00	0.00
404	-1862	-1898	-1899	-1863	M	L	0.00	-2000.00	0.00
404	-1863	-1899	-1900	-1864	M	L	0.00	-2000.00	0.00
404	-1864	-1900	-1901	-1865	M	L	0.00	-2000.00	0.00
404	-1865	-1901	-1902	-1866	M	L	0.00	-2000.00	0.00
404	-1866	-1902	-1903	-1867	M	L	0.00	-2000.00	0.00
404	-1867	-1903	-1904	-1868	M	L	0.00	-2000.00	0.00
404	-1868	-1904	-1905	-1869	M	L	0.00	-2000.00	0.00
404	-1869	-1905	-1906	-1870	M	L	0.00	-2000.00	0.00
404	-1870	-1906	-1907	-1871	M	L	0.00	-2000.00	0.00
404	-1871	-1907	-1908	-1872	M	L	0.00	-2000.00	0.00
404	-1872	-1908	-1909	-1873	M	L	0.00	-2000.00	0.00
404	-1873	-1909	-1910	-1874	M	L	0.00	-2000.00	0.00
404	-1874	-1910	-1911	-1875	M	L	0.00	-2000.00	0.00
404	-1875	-1911	-1912	-1876	M	L	0.00	-2000.00	0.00
404	-1876	-1912	-1913	-1877	M	L	0.00	-2000.00	0.00
404	-1877	-1913	-1914	-1878	M	L	0.00	-2000.00	0.00
404	-1878	-1914	-1915	-1879	M	L	0.00	-2000.00	0.00
404	-1879	-1915	-1916	-1880	M	L	0.00	-2000.00	0.00
404	-1880	-1916	-1917	-1881	M	L	0.00	-2000.00	0.00
404	-1881	-1917	-1918	-1882	M	L	0.00	-2000.00	0.00
404	-1882	-1918	-1919	-1883	M	L	0.00	-2000.00	0.00
404	-1883	-1919	-1920	-1884	M	L	0.00	-2000.00	0.00
404	-1884	-1920	-1921	-1885	M	L	0.00	-2000.00	0.00
404	-1885	-1921	-1922	-1886	M	L	0.00	-2000.00	0.00
404	-1886	-1922	-1923	-1887	M	L	0.00	-2000.00	0.00
404	-1887	-1923	-1924	-1888	M	L	0.00	-2000.00	0.00
404	-1888	-1924	-1925	-1889	M	L	0.00	-2000.00	0.00
404	-1889	-1925	-1926	-1890	M	L	0.00	-2000.00	0.00
404	-1890	-1926	-1927	-1891	M	L	0.00	-2000.00	0.00
404	-1891	-1927	-3387	-3386	M	L	0.00	-2000.00	0.00
404	-1892	-1928	-1929	-1893	M	L	0.00	-2000.00	0.00
404	-1893	-1929	-1930	-1894	M	L	0.00	-2000.00	0.00
404	-1894	-1930	-1931	-1895	M	L	0.00	-2000.00	0.00

404	-1895	-1931	-1932	-1896	M	L	0.00	-2000.00	0.00
404	-1896	-1932	-1760	-1758	M	L	0.00	-2000.00	0.00

Condizione di carico n. 5: Spinta sismica tereno
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
112	-1565	-1577	-1578	-1566	M	L	0.00	-2422.00	0.00
112	-1584	-1520	-1522	-1585	M	L	0.00	-2422.00	0.00
112	-1533	-1545	-1546	-1534	M	L	0.00	-2422.00	0.00
112	-1544	-1556	-1557	-1545	M	L	0.00	-2422.00	0.00
112	-1585	-1522	-1524	-1586	M	L	0.00	-2422.00	0.00
112	-1579	-1510	-1512	-1580	M	L	0.00	-2422.00	0.00
112	-1563	-1575	-1502	-1501	M	L	0.00	-2422.00	0.00
112	-1558	-1570	-1571	-1559	M	L	0.00	-2422.00	0.00
112	-1562	-1574	-1575	-1563	M	L	0.00	-2422.00	0.00
112	-1570	-1582	-1583	-1571	M	L	0.00	-2422.00	0.00
112	-1546	-1558	-1559	-1547	M	L	0.00	-2422.00	0.00
112	-1575	-1587	-1503	-1502	M	L	0.00	-2422.00	0.00
112	-1557	-1569	-1570	-1558	M	L	0.00	-2422.00	0.00
112	-1543	-1555	-1556	-1544	M	L	0.00	-2422.00	0.00
112	-1535	-1547	-1548	-1536	M	L	0.00	-2422.00	0.00
112	-1564	-1576	-1577	-1565	M	L	0.00	-2422.00	0.00
112	-1538	-1550	-1551	-1539	M	L	0.00	-2422.00	0.00
112	-1559	-1571	-1572	-1560	M	L	0.00	-2422.00	0.00
112	-1547	-1559	-1560	-1548	M	L	0.00	-2422.00	0.00
112	-1574	-1586	-1587	-1575	M	L	0.00	-2422.00	0.00
112	-1532	-1544	-1545	-1533	M	L	0.00	-2422.00	0.00
112	-1542	-1554	-1555	-1543	M	L	0.00	-2422.00	0.00
112	-1534	-1546	-1547	-1535	M	L	0.00	-2422.00	0.00
112	-1536	-1548	-1549	-1537	M	L	0.00	-2422.00	0.00
112	-1586	-1524	-1526	-1587	M	L	0.00	-2422.00	0.00
112	-1561	-1573	-1574	-1562	M	L	0.00	-2422.00	0.00
112	-1505	-1528	-1529	-1507	M	L	0.00	-2422.00	0.00
112	-1577	-1506	-1508	-1578	M	L	0.00	-2422.00	0.00
112	-1540	-1552	-1553	-1541	M	L	0.00	-2422.00	0.00
112	-1548	-1560	-1561	-1549	M	L	0.00	-2422.00	0.00
112	-1531	-1543	-1544	-1532	M	L	0.00	-2422.00	0.00
112	-1545	-1557	-1558	-1546	M	L	0.00	-2422.00	0.00
112	-3520	-3521	-1552	-1540	M	L	0.00	-2422.00	0.00
112	-1528	-1540	-1541	-1529	M	L	0.00	-2422.00	0.00
112	-3523	-3524	-1504	-1576	M	L	0.00	-2422.00	0.00
112	-1571	-1583	-1584	-1572	M	L	0.00	-2422.00	0.00
112	-1550	-1562	-1563	-1551	M	L	0.00	-2422.00	0.00
112	-1568	-1580	-1581	-1569	M	L	0.00	-2422.00	0.00
112	-1519	-1535	-1536	-1521	M	L	0.00	-2422.00	0.00
112	-1566	-1578	-1579	-1567	M	L	0.00	-2422.00	0.00
112	-1530	-1542	-1543	-1531	M	L	0.00	-2422.00	0.00
112	-1537	-1549	-1550	-1538	M	L	0.00	-2422.00	0.00
112	-1576	-1504	-1506	-1577	M	L	0.00	-2422.00	0.00
112	-1583	-1518	-1520	-1584	M	L	0.00	-2422.00	0.00
112	-1582	-1516	-1518	-1583	M	L	0.00	-2422.00	0.00
112	-1541	-1553	-1554	-1542	M	L	0.00	-2422.00	0.00
112	-1580	-1512	-1514	-1581	M	L	0.00	-2422.00	0.00
112	-1539	-1551	-1500	-1499	M	L	0.00	-2422.00	0.00
112	-1560	-1572	-1573	-1561	M	L	0.00	-2422.00	0.00
112	-1525	-1538	-1539	-1527	M	L	0.00	-2422.00	0.00
112	-1529	-1541	-1542	-1530	M	L	0.00	-2422.00	0.00
112	-1511	-1531	-1532	-1513	M	L	0.00	-2422.00	0.00
112	-1527	-1539	-1499	103	M	L	0.00	-2422.00	0.00
112	-1578	-1508	-1510	-1579	M	L	0.00	-2422.00	0.00
112	-1554	-1566	-1567	-1555	M	L	0.00	-2422.00	0.00
112	-1513	-1532	-1533	-1515	M	L	0.00	-2422.00	0.00
112	-1555	-1567	-1568	-1556	M	L	0.00	-2422.00	0.00
112	-1515	-1533	-1534	-1517	M	L	0.00	-2422.00	0.00
112	-3519	-3520	-1540	-1528	M	L	0.00	-2422.00	0.00
112	-1552	-1564	-1565	-1553	M	L	0.00	-2422.00	0.00
112	-1509	-1530	-1531	-1511	M	L	0.00	-2422.00	0.00
112	-1572	-1584	-1585	-1573	M	L	0.00	-2422.00	0.00
112	-1569	-1581	-1582	-1570	M	L	0.00	-2422.00	0.00
112	-1587	-1526	120	-1503	M	L	0.00	-2422.00	0.00
112	-1567	-1579	-1580	-1568	M	L	0.00	-2422.00	0.00
112	-1523	-1537	-1538	-1525	M	L	0.00	-2422.00	0.00
112	-1551	-1563	-1501	-1500	M	L	0.00	-2422.00	0.00
112	-1556	-1568	-1569	-1557	M	L	0.00	-2422.00	0.00
112	-1521	-1536	-1537	-1523	M	L	0.00	-2422.00	0.00
112	-3518	-3519	-1528	-1505	M	L	0.00	-2422.00	0.00
112	-1553	-1565	-1566	-1554	M	L	0.00	-2422.00	0.00

112	-1581	-1514	-1516	-1582	M	L	0.00	-2422.00	0.00
112	-1517	-1534	-1535	-1519	M	L	0.00	-2422.00	0.00
112	-3521	-3522	-1564	-1552	M	L	0.00	-2422.00	0.00
112	-3522	-3523	-1576	-1564	M	L	0.00	-2422.00	0.00
112	-1573	-1585	-1586	-1574	M	L	0.00	-2422.00	0.00
112	-1549	-1561	-1562	-1550	M	L	0.00	-2422.00	0.00
112	-1507	-1529	-1530	-1509	M	L	0.00	-2422.00	0.00
115	-1707	-1719	-1720	-1708	M	L	0.00	2422.00	0.00
115	-1705	-1717	-1718	-1706	M	L	0.00	2422.00	0.00
115	-1755	-1693	-1695	-1756	M	L	0.00	2422.00	0.00
115	-1735	-1747	-1748	-1736	M	L	0.00	2422.00	0.00
115	-1697	-1709	-1710	-1698	M	L	0.00	2422.00	0.00
115	-1718	-1730	-1731	-1719	M	L	0.00	2422.00	0.00
115	-1756	-1695	118	-1672	M	L	0.00	2422.00	0.00
115	-1720	-1732	-1670	-1669	M	L	0.00	2422.00	0.00
115	-1736	-1748	-1749	-1737	M	L	0.00	2422.00	0.00
115	-1716	-1728	-1729	-1717	M	L	0.00	2422.00	0.00
115	-1740	-1752	-1753	-1741	M	L	0.00	2422.00	0.00
115	-1715	-1727	-1728	-1716	M	L	0.00	2422.00	0.00
115	-3476	-3475	-1733	-1721	M	L	0.00	2422.00	0.00
115	-1688	-1704	-1705	-1690	M	L	0.00	2422.00	0.00
115	-1706	-1718	-1719	-1707	M	L	0.00	2422.00	0.00
115	-1746	-1675	-1677	-1747	M	L	0.00	2422.00	0.00
115	-1694	-1707	-1708	-1696	M	L	0.00	2422.00	0.00
115	-1710	-1722	-1723	-1711	M	L	0.00	2422.00	0.00
115	-1738	-1750	-1751	-1739	M	L	0.00	2422.00	0.00
115	-1727	-1739	-1740	-1728	M	L	0.00	2422.00	0.00
115	-1713	-1725	-1726	-1714	M	L	0.00	2422.00	0.00
115	-1682	-1701	-1702	-1684	M	L	0.00	2422.00	0.00
115	-1714	-1726	-1727	-1715	M	L	0.00	2422.00	0.00
115	-1753	-1689	-1691	-1754	M	L	0.00	2422.00	0.00
115	-1754	-1691	-1693	-1755	M	L	0.00	2422.00	0.00
115	-3475	-3474	-1745	-1733	M	L	0.00	2422.00	0.00
115	-1704	-1716	-1717	-1705	M	L	0.00	2422.00	0.00
115	-1692	-1706	-1707	-1694	M	L	0.00	2422.00	0.00
115	-1745	-1673	-1675	-1746	M	L	0.00	2422.00	0.00
115	-1747	-1677	-1679	-1748	M	L	0.00	2422.00	0.00
115	-1676	-1698	-1699	-1678	M	L	0.00	2422.00	0.00
115	-1680	-1700	-1701	-1682	M	L	0.00	2422.00	0.00
115	-1701	-1713	-1714	-1702	M	L	0.00	2422.00	0.00
115	-1712	-1724	-1725	-1713	M	L	0.00	2422.00	0.00
115	-1751	-1685	-1687	-1752	M	L	0.00	2422.00	0.00
115	-1684	-1702	-1703	-1686	M	L	0.00	2422.00	0.00
115	-1752	-1687	-1689	-1753	M	L	0.00	2422.00	0.00
115	-1717	-1729	-1730	-1718	M	L	0.00	2422.00	0.00
115	-1686	-1703	-1704	-1688	M	L	0.00	2422.00	0.00
115	-3478	-3477	-1709	-1697	M	L	0.00	2422.00	0.00
115	-1719	-1731	-1732	-1720	M	L	0.00	2422.00	0.00
115	-1696	-1708	-1668	14	M	L	0.00	2422.00	0.00
115	-1721	-1733	-1734	-1722	M	L	0.00	2422.00	0.00
115	-1737	-1749	-1750	-1738	M	L	0.00	2422.00	0.00
115	-1725	-1737	-1738	-1726	M	L	0.00	2422.00	0.00
115	-1678	-1699	-1700	-1680	M	L	0.00	2422.00	0.00
115	-1700	-1712	-1713	-1701	M	L	0.00	2422.00	0.00
115	-1739	-1751	-1752	-1740	M	L	0.00	2422.00	0.00
115	-1729	-1741	-1742	-1730	M	L	0.00	2422.00	0.00
115	-1742	-1754	-1755	-1743	M	L	0.00	2422.00	0.00
115	-1731	-1743	-1744	-1732	M	L	0.00	2422.00	0.00
115	-1730	-1742	-1743	-1731	M	L	0.00	2422.00	0.00
115	-1708	-1720	-1669	-1668	M	L	0.00	2422.00	0.00
115	-1732	-1744	-1671	-1670	M	L	0.00	2422.00	0.00
115	-1726	-1738	-1739	-1727	M	L	0.00	2422.00	0.00
115	-1698	-1710	-1711	-1699	M	L	0.00	2422.00	0.00
115	-1699	-1711	-1712	-1700	M	L	0.00	2422.00	0.00
115	-1749	-1681	-1683	-1750	M	L	0.00	2422.00	0.00
115	-1724	-1736	-1737	-1725	M	L	0.00	2422.00	0.00
115	-1711	-1723	-1724	-1712	M	L	0.00	2422.00	0.00
115	-3479	-3478	-1697	-1674	M	L	0.00	2422.00	0.00
115	-1702	-1714	-1715	-1703	M	L	0.00	2422.00	0.00
115	-1703	-1715	-1716	-1704	M	L	0.00	2422.00	0.00
115	-1741	-1753	-1754	-1742	M	L	0.00	2422.00	0.00
115	-1744	-1756	-1672	-1671	M	L	0.00	2422.00	0.00
115	-1690	-1705	-1706	-1692	M	L	0.00	2422.00	0.00
115	-3477	-3476	-1721	-1709	M	L	0.00	2422.00	0.00
115	-1674	-1697	-1698	-1676	M	L	0.00	2422.00	0.00
115	-1750	-1683	-1685	-1751	M	L	0.00	2422.00	0.00
115	-1709	-1721	-1722	-1710	M	L	0.00	2422.00	0.00
115	-1722	-1734	-1735	-1723	M	L	0.00	2422.00	0.00
115	-1748	-1679	-1681	-1749	M	L	0.00	2422.00	0.00

115	-1733	-1745	-1746	-1734	M	L	0.00	2422.00	0.00
115	-1743	-1755	-1756	-1744	M	L	0.00	2422.00	0.00
115	-3474	-3473	-1673	-1745	M	L	0.00	2422.00	0.00
115	-1728	-1740	-1741	-1729	M	L	0.00	2422.00	0.00
115	-1734	-1746	-1747	-1735	M	L	0.00	2422.00	0.00
115	-1723	-1735	-1736	-1724	M	L	0.00	2422.00	0.00
118	-2985	-3404	-3403	-2986	M	L	0.00	2422.00	0.00
118	-3109	-3121	-3122	-3110	M	L	0.00	2422.00	0.00
118	-2993	-3005	-3006	-2994	M	L	0.00	2422.00	0.00
118	-3121	-3133	-3134	-3122	M	L	0.00	2422.00	0.00
118	-2982	-3407	-3406	-2983	M	L	0.00	2422.00	0.00
118	-3094	-3106	-1831	-1833	M	L	0.00	2422.00	0.00
118	-2984	-3405	-3404	-2985	M	L	0.00	2422.00	0.00
118	-3511	-3510	-2987	-3414	M	L	0.00	2422.00	0.00
118	-3084	-3096	-3097	-3085	M	L	0.00	2422.00	0.00
118	-2930	-2942	-2943	-2931	M	L	0.00	2422.00	0.00
118	-3508	-3507	-3023	-3011	M	L	0.00	2422.00	0.00
118	-1507	-2916	-2917	-1509	M	L	0.00	2422.00	0.00
118	-3095	-3107	-3108	-3096	M	L	0.00	2422.00	0.00
118	-3082	-3094	-1833	-1835	M	L	0.00	2422.00	0.00
118	-3108	-3120	-3121	-3109	M	L	0.00	2422.00	0.00
118	-2955	-2967	-2968	-2956	M	L	0.00	2422.00	0.00
118	-1505	-2915	-2916	-1507	M	L	0.00	2422.00	0.00
118	-3140	-3152	-3153	-3141	M	L	0.00	2422.00	0.00
118	-3006	-3018	-3019	-3007	M	L	0.00	2422.00	0.00
118	-3088	-3100	-3101	-3089	M	L	0.00	2422.00	0.00
118	-3083	-3095	-3096	-3084	M	L	0.00	2422.00	0.00
118	-2980	-3409	-3408	-2981	M	L	0.00	2422.00	0.00
118	-3091	-3103	-3104	-3092	M	L	0.00	2422.00	0.00
118	-3093	-3105	-3106	-3094	M	L	0.00	2422.00	0.00
118	-2918	-2930	-2931	-2919	M	L	0.00	2422.00	0.00
118	-2920	-2932	-2933	-2921	M	L	0.00	2422.00	0.00
118	-3120	-3132	-3133	-3121	M	L	0.00	2422.00	0.00
118	-2921	-2933	-2934	-2922	M	L	0.00	2422.00	0.00
118	-1521	-2923	-2924	-1523	M	L	0.00	2422.00	0.00
118	-1523	-2924	-2925	-1525	M	L	0.00	2422.00	0.00
118	-3114	-3126	-3127	-3115	M	L	0.00	2422.00	0.00
118	-3000	-3012	-3013	-3001	M	L	0.00	2422.00	0.00
118	-3001	-3013	-3014	-3002	M	L	0.00	2422.00	0.00
118	-3004	-3016	-3017	-3005	M	L	0.00	2422.00	0.00
118	-2991	-3003	-3004	-2992	M	L	0.00	2422.00	0.00
118	-3003	-3015	-3016	-3004	M	L	0.00	2422.00	0.00
118	-2929	-2941	-2942	-2930	M	L	0.00	2422.00	0.00
118	-3130	-3142	-1825	-1827	M	L	0.00	2422.00	0.00
118	-2931	-2943	-2944	-2932	M	L	0.00	2422.00	0.00
118	-3132	-3144	-3145	-3133	M	L	0.00	2422.00	0.00
118	-2983	-3406	-3405	-2984	M	L	0.00	2422.00	0.00
118	-3134	-3146	-3147	-3135	M	L	0.00	2422.00	0.00
118	-3112	-3124	-3125	-3113	M	L	0.00	2422.00	0.00
118	-3011	-3023	-3024	-3012	M	L	0.00	2422.00	0.00
118	-1525	-2925	-2926	-1527	M	L	0.00	2422.00	0.00
118	-3013	-3025	-3026	-3014	M	L	0.00	2422.00	0.00
118	-3128	-3140	-3141	-3129	M	L	0.00	2422.00	0.00
118	-2953	-2965	-2966	-2954	M	L	0.00	2422.00	0.00
118	-3116	-3128	-3129	-3117	M	L	0.00	2422.00	0.00
118	-3142	-3154	-1823	-1825	M	L	0.00	2422.00	0.00
118	-2992	-3004	-3005	-2993	M	L	0.00	2422.00	0.00
118	-3143	-3155	-3156	-3144	M	L	0.00	2422.00	0.00
118	-2943	-2955	-2956	-2944	M	L	0.00	2422.00	0.00
118	-3145	-3157	-3158	-3146	M	L	0.00	2422.00	0.00
118	-3146	-3158	-3159	-3147	M	L	0.00	2422.00	0.00
118	-3137	-3149	-3150	-3138	M	L	0.00	2422.00	0.00
118	-2937	-2949	-2950	-2938	M	L	0.00	2422.00	0.00
118	-3086	-3098	-3099	-3087	M	L	0.00	2422.00	0.00
118	-3100	-3112	-3113	-3101	M	L	0.00	2422.00	0.00
118	-3002	-3014	-3015	-3003	M	L	0.00	2422.00	0.00
118	-3052	-3064	-3065	-3053	M	L	0.00	2422.00	0.00
118	-3053	-3065	-3066	-3054	M	L	0.00	2422.00	0.00
118	-2954	-2966	-2967	-2955	M	L	0.00	2422.00	0.00
118	-3056	-3068	-3069	-3057	M	L	0.00	2422.00	0.00
118	-1511	-2918	-2919	-1513	M	L	0.00	2422.00	0.00
118	-3008	-3020	-3021	-3009	M	L	0.00	2422.00	0.00
118	-1517	-2921	-2922	-1519	M	L	0.00	2422.00	0.00
118	-3110	-3122	-3123	-3111	M	L	0.00	2422.00	0.00
118	-3111	-3123	-3124	-3112	M	L	0.00	2422.00	0.00
118	-3139	-3151	-3152	-3140	M	L	0.00	2422.00	0.00
118	-2938	-2950	-1857	-1857	M	L	0.00	2422.00	0.00
118	-3113	-3125	-3126	-3114	M	L	0.00	2422.00	0.00
118	-2939	-2951	-2952	-2940	M	L	0.00	2422.00	0.00

118	-3015	-3027	-3028	-3016	M	L	0.00	2422.00	0.00
118	-2915	-2927	-2928	-2916	M	L	0.00	2422.00	0.00
118	-2941	-2953	-2954	-2942	M	L	0.00	2422.00	0.00
118	-3118	-3130	-1827	-1829	M	L	0.00	2422.00	0.00
118	-3119	-3131	-3132	-3120	M	L	0.00	2422.00	0.00
118	-2919	-2931	-2932	-2920	M	L	0.00	2422.00	0.00
118	-2971	-2983	-2984	-2972	M	L	0.00	2422.00	0.00
118	-2922	-2934	-2935	-2923	M	L	0.00	2422.00	0.00
118	-2948	-2960	-2961	-2949	M	L	0.00	2422.00	0.00
118	-2962	-2974	-1853	-1855	M	L	0.00	2422.00	0.00
118	-3061	-3073	-3074	-3062	M	L	0.00	2422.00	0.00
118	-2975	-3414	-3413	-2976	M	L	0.00	2422.00	0.00
118	-3077	-3089	-3090	-3078	M	L	0.00	2422.00	0.00
118	-3129	-3141	-3142	-3130	M	L	0.00	2422.00	0.00
118	-2978	-3411	-3410	-2979	M	L	0.00	2422.00	0.00
118	-3079	-3091	-3092	-3080	M	L	0.00	2422.00	0.00
118	-3080	-3092	-3093	-3081	M	L	0.00	2422.00	0.00
118	-2981	-3408	-3407	-2982	M	L	0.00	2422.00	0.00
118	-2932	-2944	-2945	-2933	M	L	0.00	2422.00	0.00
118	-3498	-3497	-3143	-3131	M	L	0.00	2422.00	0.00
118	-3499	-3498	-3131	-3119	M	L	0.00	2422.00	0.00
118	-2986	-3403	-3402	-1851	M	L	0.00	2422.00	0.00
118	-2987	-2999	-3000	-2988	M	L	0.00	2422.00	0.00
118	-2989	-3001	-3002	-2990	M	L	0.00	2422.00	0.00
118	-3089	-3101	-3102	-3090	M	L	0.00	2422.00	0.00
118	-2990	-3002	-3003	-2991	M	L	0.00	2422.00	0.00
118	-3506	-3505	-3047	-3035	M	L	0.00	2422.00	0.00
118	-3092	-3104	-3105	-3093	M	L	0.00	2422.00	0.00
118	-3507	-3506	-3035	-3023	M	L	0.00	2422.00	0.00
118	-2995	-3007	-3008	-2996	M	L	0.00	2422.00	0.00
118	-3147	-3159	-3160	-3148	M	L	0.00	2422.00	0.00
118	-2997	-3009	-3010	-2998	M	L	0.00	2422.00	0.00
118	-3404	-2997	-2998	-3403	M	L	0.00	2422.00	0.00
118	-2999	-3011	-3012	-3000	M	L	0.00	2422.00	0.00
118	-3406	-2995	-2996	-3405	M	L	0.00	2422.00	0.00
118	-3407	-2994	-2995	-3406	M	L	0.00	2422.00	0.00
118	-3408	-2993	-2994	-3407	M	L	0.00	2422.00	0.00
118	-3409	-2992	-2993	-3408	M	L	0.00	2422.00	0.00
118	-3410	-2991	-2992	-3409	M	L	0.00	2422.00	0.00
118	-3005	-3017	-3018	-3006	M	L	0.00	2422.00	0.00
118	-3412	-2989	-2990	-3411	M	L	0.00	2422.00	0.00
118	-1513	-2919	-2920	-1515	M	L	0.00	2422.00	0.00
118	-1515	-2920	-2921	-1517	M	L	0.00	2422.00	0.00
118	-3010	-3022	-1845	-1847	M	L	0.00	2422.00	0.00
118	-2960	-2972	-2973	-2961	M	L	0.00	2422.00	0.00
118	-3060	-3072	-3073	-3061	M	L	0.00	2422.00	0.00
118	-3012	-3024	-3025	-3013	M	L	0.00	2422.00	0.00
118	-1527	-2926	-1859	103	M	L	0.00	2422.00	0.00
118	-3115	-3127	-3128	-3116	M	L	0.00	2422.00	0.00
118	-3017	-3029	-3030	-3018	M	L	0.00	2422.00	0.00
118	-2917	-2929	-2930	-2918	M	L	0.00	2422.00	0.00
118	-3019	-3031	-3032	-3020	M	L	0.00	2422.00	0.00
118	-2969	-2981	-2982	-2970	M	L	0.00	2422.00	0.00
118	-3020	-3032	-3033	-3021	M	L	0.00	2422.00	0.00
118	-3123	-3135	-3136	-3124	M	L	0.00	2422.00	0.00
118	-2973	-2985	-2986	-2974	M	L	0.00	2422.00	0.00
118	-3124	-3136	-3137	-3125	M	L	0.00	2422.00	0.00
118	-3125	-3137	-3138	-3126	M	L	0.00	2422.00	0.00
118	-3126	-3138	-3139	-3127	M	L	0.00	2422.00	0.00
118	-2927	-2939	-2940	-2928	M	L	0.00	2422.00	0.00
118	-2928	-2940	-2941	-2929	M	L	0.00	2422.00	0.00
118	-3029	-3041	-3042	-3030	M	L	0.00	2422.00	0.00
118	-2979	-3410	-3409	-2980	M	L	0.00	2422.00	0.00
118	-3131	-3143	-3144	-3132	M	L	0.00	2422.00	0.00
118	-3031	-3043	-3044	-3032	M	L	0.00	2422.00	0.00
118	-3133	-3145	-3146	-3134	M	L	0.00	2422.00	0.00
118	-2934	-2946	-2947	-2935	M	L	0.00	2422.00	0.00
118	-3135	-3147	-3148	-3136	M	L	0.00	2422.00	0.00
118	-3136	-3148	-3149	-3137	M	L	0.00	2422.00	0.00
118	-2936	-2948	-2949	-2937	M	L	0.00	2422.00	0.00
118	-3138	-3150	-3151	-3139	M	L	0.00	2422.00	0.00
118	-2950	-2962	-1855	-1857	M	L	0.00	2422.00	0.00
118	-3038	-3050	-3051	-3039	M	L	0.00	2422.00	0.00
118	-3141	-3153	-3154	-3142	M	L	0.00	2422.00	0.00
118	-3041	-3053	-3054	-3042	M	L	0.00	2422.00	0.00
118	-3043	-3055	-3056	-3044	M	L	0.00	2422.00	0.00
118	-3144	-3156	-3157	-3145	M	L	0.00	2422.00	0.00
118	-2945	-2957	-2958	-2946	M	L	0.00	2422.00	0.00
118	-2946	-2958	-2959	-2947	M	L	0.00	2422.00	0.00

118	-2947	-2959	-2960	-2948	M	L	0.00	2422.00	0.00
118	-3148	-3160	-3161	-3149	M	L	0.00	2422.00	0.00
118	-3149	-3161	-3162	-3150	M	L	0.00	2422.00	0.00
118	-3049	-3061	-3062	-3050	M	L	0.00	2422.00	0.00
118	-3050	-3062	-3063	-3051	M	L	0.00	2422.00	0.00
118	-2952	-2964	-2965	-2953	M	L	0.00	2422.00	0.00
118	-2951	-2963	-2964	-2952	M	L	0.00	2422.00	0.00
118	-3103	-3115	-3116	-3104	M	L	0.00	2422.00	0.00
118	-3054	-3066	-3067	-3055	M	L	0.00	2422.00	0.00
118	-3105	-3117	-3118	-3106	M	L	0.00	2422.00	0.00
118	-2956	-2968	-2969	-2957	M	L	0.00	2422.00	0.00
118	-3007	-3019	-3020	-3008	M	L	0.00	2422.00	0.00
118	-3414	-2987	-2988	-3413	M	L	0.00	2422.00	0.00
118	-3009	-3021	-3022	-3010	M	L	0.00	2422.00	0.00
118	-1519	-2922	-2923	-1521	M	L	0.00	2422.00	0.00
118	-3059	-3071	-3072	-3060	M	L	0.00	2422.00	0.00
118	-3501	-3500	-3107	-3095	M	L	0.00	2422.00	0.00
118	-2963	-2975	-2976	-2964	M	L	0.00	2422.00	0.00
118	-2964	-2976	-2977	-2965	M	L	0.00	2422.00	0.00
118	-2965	-2977	-2978	-2966	M	L	0.00	2422.00	0.00
118	-3117	-3129	-3130	-3118	M	L	0.00	2422.00	0.00
118	-3068	-3080	-3081	-3069	M	L	0.00	2422.00	0.00
118	-2967	-2979	-2980	-2968	M	L	0.00	2422.00	0.00
118	-3070	-3082	-1835	-1837	M	L	0.00	2422.00	0.00
118	-2968	-2980	-2981	-2969	M	L	0.00	2422.00	0.00
118	-3122	-3134	-3135	-3123	M	L	0.00	2422.00	0.00
118	-3072	-3084	-3085	-3073	M	L	0.00	2422.00	0.00
118	-2974	-2986	-1851	-1853	M	L	0.00	2422.00	0.00
118	-3074	-3086	-3087	-3075	M	L	0.00	2422.00	0.00
118	-3075	-3087	-3088	-3076	M	L	0.00	2422.00	0.00
118	-2976	-3413	-3412	-2977	M	L	0.00	2422.00	0.00
118	-3076	-3088	-3089	-3077	M	L	0.00	2422.00	0.00
118	-3078	-3090	-3091	-3079	M	L	0.00	2422.00	0.00
118	-3027	-3039	-3040	-3028	M	L	0.00	2422.00	0.00
118	-2916	-2928	-2929	-2917	M	L	0.00	2422.00	0.00
118	-3081	-3093	-3094	-3082	M	L	0.00	2422.00	0.00
118	-3032	-3044	-3045	-3033	M	L	0.00	2422.00	0.00
118	-3497	-3496	-3155	-3143	M	L	0.00	2422.00	0.00
118	-3034	-3046	-1841	-1843	M	L	0.00	2422.00	0.00
118	-3085	-3097	-3098	-3086	M	L	0.00	2422.00	0.00
118	-3035	-3047	-3048	-3036	M	L	0.00	2422.00	0.00
118	-3087	-3099	-3100	-3088	M	L	0.00	2422.00	0.00
118	-3503	-3502	-3083	-3071	M	L	0.00	2422.00	0.00
118	-2988	-3000	-3001	-2989	M	L	0.00	2422.00	0.00
118	-3090	-3102	-3103	-3091	M	L	0.00	2422.00	0.00
118	-3505	-3504	-3059	-3047	M	L	0.00	2422.00	0.00
118	-3104	-3116	-3117	-3105	M	L	0.00	2422.00	0.00
118	-2942	-2954	-2955	-2943	M	L	0.00	2422.00	0.00
118	-3509	-3508	-3011	-2999	M	L	0.00	2422.00	0.00
118	-2994	-3006	-3007	-2995	M	L	0.00	2422.00	0.00
118	-3510	-3509	-2999	-2987	M	L	0.00	2422.00	0.00
118	-3096	-3108	-3109	-3097	M	L	0.00	2422.00	0.00
118	-3097	-3109	-3110	-3098	M	L	0.00	2422.00	0.00
118	-3098	-3110	-3111	-3099	M	L	0.00	2422.00	0.00
118	-3099	-3111	-3112	-3100	M	L	0.00	2422.00	0.00
118	-3516	-3515	-2939	-2927	M	L	0.00	2422.00	0.00
118	-3101	-3113	-3114	-3102	M	L	0.00	2422.00	0.00
118	-3102	-3114	-3115	-3103	M	L	0.00	2422.00	0.00
118	-3518	-3517	-2915	-1505	M	L	0.00	2422.00	0.00
118	-3064	-3076	-3077	-3065	M	L	0.00	2422.00	0.00
118	-2966	-2978	-2979	-2967	M	L	0.00	2422.00	0.00
118	-1509	-2917	-2918	-1511	M	L	0.00	2422.00	0.00
118	-3055	-3067	-3068	-3056	M	L	0.00	2422.00	0.00
118	-3107	-3119	-3120	-3108	M	L	0.00	2422.00	0.00
118	-3057	-3069	-3070	-3058	M	L	0.00	2422.00	0.00
118	-2959	-2971	-2972	-2960	M	L	0.00	2422.00	0.00
118	-3500	-3499	-3119	-3107	M	L	0.00	2422.00	0.00
118	-2961	-2973	-2974	-2962	M	L	0.00	2422.00	0.00
118	-3036	-3048	-3049	-3037	M	L	0.00	2422.00	0.00
118	-3063	-3075	-3076	-3064	M	L	0.00	2422.00	0.00
118	-3014	-3026	-3027	-3015	M	L	0.00	2422.00	0.00
118	-3028	-3040	-3041	-3029	M	L	0.00	2422.00	0.00
118	-2940	-2952	-2953	-2941	M	L	0.00	2422.00	0.00
118	-3067	-3079	-3080	-3068	M	L	0.00	2422.00	0.00
118	-3018	-3030	-3031	-3019	M	L	0.00	2422.00	0.00
118	-2944	-2956	-2957	-2945	M	L	0.00	2422.00	0.00
118	-3045	-3057	-3058	-3046	M	L	0.00	2422.00	0.00
118	-3021	-3033	-3034	-3022	M	L	0.00	2422.00	0.00
118	-2923	-2935	-2936	-2924	M	L	0.00	2422.00	0.00

118	-2924	-2936	-2937	-2925	M	L	0.00	2422.00	0.00
118	-2925	-2937	-2938	-2926	M	L	0.00	2422.00	0.00
118	-3127	-3139	-3140	-3128	M	L	0.00	2422.00	0.00
118	-3026	-3038	-3039	-3027	M	L	0.00	2422.00	0.00
118	-3039	-3051	-3052	-3040	M	L	0.00	2422.00	0.00
118	-2977	-3412	-3411	-2978	M	L	0.00	2422.00	0.00
118	-3016	-3028	-3029	-3017	M	L	0.00	2422.00	0.00
118	-3030	-3042	-3043	-3031	M	L	0.00	2422.00	0.00
118	-3106	-3118	-1829	-1831	M	L	0.00	2422.00	0.00
118	-2958	-2970	-2971	-2959	M	L	0.00	2422.00	0.00
118	-2933	-2945	-2946	-2934	M	L	0.00	2422.00	0.00
118	-2935	-2947	-2948	-2936	M	L	0.00	2422.00	0.00
118	-3037	-3049	-3050	-3038	M	L	0.00	2422.00	0.00
118	-3502	-3501	-3095	-3083	M	L	0.00	2422.00	0.00
118	-3062	-3074	-3075	-3063	M	L	0.00	2422.00	0.00
118	-3051	-3063	-3064	-3052	M	L	0.00	2422.00	0.00
118	-3065	-3077	-3078	-3066	M	L	0.00	2422.00	0.00
118	-3040	-3052	-3053	-3041	M	L	0.00	2422.00	0.00
118	-3042	-3054	-3055	-3043	M	L	0.00	2422.00	0.00
118	-3069	-3081	-3082	-3070	M	L	0.00	2422.00	0.00
118	-3044	-3056	-3057	-3045	M	L	0.00	2422.00	0.00
118	-3413	-2988	-2989	-3412	M	L	0.00	2422.00	0.00
118	-3046	-3058	-1839	-1841	M	L	0.00	2422.00	0.00
118	-3047	-3059	-3060	-3048	M	L	0.00	2422.00	0.00
118	-2949	-2961	-2962	-2950	M	L	0.00	2422.00	0.00
118	-2926	-2938	-1857	-1859	M	L	0.00	2422.00	0.00
118	-3405	-2996	-2997	-3404	M	L	0.00	2422.00	0.00
118	-3025	-3037	-3038	-3026	M	L	0.00	2422.00	0.00
118	-3504	-3503	-3071	-3059	M	L	0.00	2422.00	0.00
118	-3066	-3078	-3079	-3067	M	L	0.00	2422.00	0.00
118	-3411	-2990	-2991	-3410	M	L	0.00	2422.00	0.00
118	-3073	-3085	-3086	-3074	M	L	0.00	2422.00	0.00
118	-3024	-3036	-3037	-3025	M	L	0.00	2422.00	0.00
118	-3033	-3045	-3046	-3034	M	L	0.00	2422.00	0.00
118	-3058	-3070	-1837	-1839	M	L	0.00	2422.00	0.00
118	-2972	-2984	-2985	-2973	M	L	0.00	2422.00	0.00
118	-3022	-3034	-1843	-1845	M	L	0.00	2422.00	0.00
118	-3512	-3511	-3414	-2975	M	L	0.00	2422.00	0.00
118	-2998	-3010	-1847	-1849	M	L	0.00	2422.00	0.00
118	-3023	-3035	-3036	-3024	M	L	0.00	2422.00	0.00
118	-3515	-3514	-2951	-2939	M	L	0.00	2422.00	0.00
118	-3517	-3516	-2927	-2915	M	L	0.00	2422.00	0.00
118	-2996	-3008	-3009	-2997	M	L	0.00	2422.00	0.00
118	-2957	-2969	-2970	-2958	M	L	0.00	2422.00	0.00
118	-3071	-3083	-3084	-3072	M	L	0.00	2422.00	0.00
118	-3514	-3513	-2963	-2951	M	L	0.00	2422.00	0.00
118	-3513	-3512	-2975	-2963	M	L	0.00	2422.00	0.00
118	-3048	-3060	-3061	-3049	M	L	0.00	2422.00	0.00
118	-3403	-2998	-1849	-3402	M	L	0.00	2422.00	0.00
118	-2970	-2982	-2983	-2971	M	L	0.00	2422.00	0.00
119	-3182	-3194	-3195	-3183	M	L	0.00	2422.00	0.00
119	-3322	-3334	-1793	-1795	M	L	0.00	2422.00	0.00
119	-3319	-3331	-3332	-3320	M	L	0.00	2422.00	0.00
119	-3344	-3356	-3357	-3345	M	L	0.00	2422.00	0.00
119	-3493	-3492	-3203	-3191	M	L	0.00	2422.00	0.00
119	-3321	-3333	-3334	-3322	M	L	0.00	2422.00	0.00
119	-3331	-3343	-3344	-3332	M	L	0.00	2422.00	0.00
119	-3171	-3183	-3184	-3172	M	L	0.00	2422.00	0.00
119	-3310	-3322	-1795	-1797	M	L	0.00	2422.00	0.00
119	-3311	-3323	-3324	-3312	M	L	0.00	2422.00	0.00
119	-3312	-3324	-3325	-3313	M	L	0.00	2422.00	0.00
119	-3280	-3292	-3293	-3281	M	L	0.00	2422.00	0.00
119	-3282	-3294	-3295	-3283	M	L	0.00	2422.00	0.00
119	-3340	-3352	-3353	-3341	M	L	0.00	2422.00	0.00
119	-3155	-3167	-3168	-3156	M	L	0.00	2422.00	0.00
119	-3330	-3342	-3343	-3331	M	L	0.00	2422.00	0.00
119	-3316	-3328	-3329	-3317	M	L	0.00	2422.00	0.00
119	-3192	-3204	-3205	-3193	M	L	0.00	2422.00	0.00
119	-3193	-3205	-3206	-3194	M	L	0.00	2422.00	0.00
119	-3292	-3304	-3305	-3293	M	L	0.00	2422.00	0.00
119	-3320	-3332	-3333	-3321	M	L	0.00	2422.00	0.00
119	-3296	-3308	-3309	-3297	M	L	0.00	2422.00	0.00
119	-3185	-3197	-3198	-3186	M	L	0.00	2422.00	0.00
119	-3285	-3297	-3298	-3286	M	L	0.00	2422.00	0.00
119	-3262	-3274	-1803	-1805	M	L	0.00	2422.00	0.00
119	-3214	-3226	-1811	-1813	M	L	0.00	2422.00	0.00
119	-3151	-3163	-3164	-3152	M	L	0.00	2422.00	0.00
119	-3180	-3192	-3193	-3181	M	L	0.00	2422.00	0.00
119	-3354	-1688	-1690	-3355	M	L	0.00	2422.00	0.00

119	-3353	-1686	-1688	-3354	M	L	0.00	2422.00	0.00
119	-3203	-3215	-3216	-3204	M	L	0.00	2422.00	0.00
119	-3204	-3216	-3217	-3205	M	L	0.00	2422.00	0.00
119	-3256	-3268	-3269	-3257	M	L	0.00	2422.00	0.00
119	-3181	-3193	-3194	-3182	M	L	0.00	2422.00	0.00
119	-3183	-3195	-3196	-3184	M	L	0.00	2422.00	0.00
119	-3309	-3321	-3322	-3310	M	L	0.00	2422.00	0.00
119	-3284	-3296	-3297	-3285	M	L	0.00	2422.00	0.00
119	-3212	-3224	-3225	-3213	M	L	0.00	2422.00	0.00
119	-3187	-3199	-3200	-3188	M	L	0.00	2422.00	0.00
119	-3313	-3325	-3326	-3314	M	L	0.00	2422.00	0.00
119	-3190	-3202	-1815	-1817	M	L	0.00	2422.00	0.00
119	-3154	-3166	-1821	-1823	M	L	0.00	2422.00	0.00
119	-3215	-3227	-3228	-3216	M	L	0.00	2422.00	0.00
119	-3315	-3327	-3328	-3316	M	L	0.00	2422.00	0.00
119	-3342	-3354	-3355	-3343	M	L	0.00	2422.00	0.00
119	-3217	-3229	-3230	-3218	M	L	0.00	2422.00	0.00
119	-3318	-3330	-3331	-3319	M	L	0.00	2422.00	0.00
119	-3219	-3231	-3232	-3220	M	L	0.00	2422.00	0.00
119	-3483	-3482	-3323	-3311	M	L	0.00	2422.00	0.00
119	-3220	-3232	-3233	-3221	M	L	0.00	2422.00	0.00
119	-3211	-3223	-3224	-3212	M	L	0.00	2422.00	0.00
119	-3162	-3174	-3175	-3163	M	L	0.00	2422.00	0.00
119	-3261	-3273	-3274	-3262	M	L	0.00	2422.00	0.00
119	-3201	-3213	-3214	-3202	M	L	0.00	2422.00	0.00
119	-3314	-3326	-3327	-3315	M	L	0.00	2422.00	0.00
119	-3277	-3289	-3290	-3278	M	L	0.00	2422.00	0.00
119	-3327	-3339	-3340	-3328	M	L	0.00	2422.00	0.00
119	-3329	-3341	-3342	-3330	M	L	0.00	2422.00	0.00
119	-3229	-3241	-3242	-3230	M	L	0.00	2422.00	0.00
119	-3179	-3191	-3192	-3180	M	L	0.00	2422.00	0.00
119	-3332	-3344	-3345	-3333	M	L	0.00	2422.00	0.00
119	-3496	-3495	-3167	-3155	M	L	0.00	2422.00	0.00
119	-3184	-3196	-3197	-3185	M	L	0.00	2422.00	0.00
119	-3337	-3349	-3350	-3338	M	L	0.00	2422.00	0.00
119	-3160	-3172	-3173	-3161	M	L	0.00	2422.00	0.00
119	-3213	-3225	-3226	-3214	M	L	0.00	2422.00	0.00
119	-3176	-3188	-3189	-3177	M	L	0.00	2422.00	0.00
119	-3338	-3350	-3351	-3339	M	L	0.00	2422.00	0.00
119	-3191	-3203	-3204	-3192	M	L	0.00	2422.00	0.00
119	-3291	-3303	-3304	-3292	M	L	0.00	2422.00	0.00
119	-3293	-3305	-3306	-3294	M	L	0.00	2422.00	0.00
119	-3243	-3255	-3256	-3244	M	L	0.00	2422.00	0.00
119	-3195	-3207	-3208	-3196	M	L	0.00	2422.00	0.00
119	-3346	-3358	-1789	-1791	M	L	0.00	2422.00	0.00
119	-3347	-1674	-1676	-3348	M	L	0.00	2422.00	0.00
119	-3173	-3185	-3186	-3174	M	L	0.00	2422.00	0.00
119	-3336	-3348	-3349	-3337	M	L	0.00	2422.00	0.00
119	-3339	-3351	-3352	-3340	M	L	0.00	2422.00	0.00
119	-3153	-3165	-3166	-3154	M	L	0.00	2422.00	0.00
119	-3252	-3264	-3265	-3253	M	L	0.00	2422.00	0.00
119	-3253	-3265	-3266	-3254	M	L	0.00	2422.00	0.00
119	-3254	-3266	-3267	-3255	M	L	0.00	2422.00	0.00
119	-3356	-1692	-1694	-3357	M	L	0.00	2422.00	0.00
119	-3156	-3168	-3169	-3157	M	L	0.00	2422.00	0.00
119	-3333	-3345	-3346	-3334	M	L	0.00	2422.00	0.00
119	-3208	-3220	-3221	-3209	M	L	0.00	2422.00	0.00
119	-3210	-3222	-3223	-3211	M	L	0.00	2422.00	0.00
119	-3260	-3272	-3273	-3261	M	L	0.00	2422.00	0.00
119	-3175	-3187	-3188	-3176	M	L	0.00	2422.00	0.00
119	-3163	-3175	-3176	-3164	M	L	0.00	2422.00	0.00
119	-3164	-3176	-3177	-3165	M	L	0.00	2422.00	0.00
119	-3165	-3177	-3178	-3166	M	L	0.00	2422.00	0.00
119	-3166	-3178	-1819	-1821	M	L	0.00	2422.00	0.00
119	-3241	-3253	-3254	-3242	M	L	0.00	2422.00	0.00
119	-3268	-3280	-3281	-3269	M	L	0.00	2422.00	0.00
119	-3481	-3480	-3347	-3335	M	L	0.00	2422.00	0.00
119	-3270	-3282	-3283	-3271	M	L	0.00	2422.00	0.00
119	-3169	-3181	-3182	-3170	M	L	0.00	2422.00	0.00
119	-3271	-3283	-3284	-3272	M	L	0.00	2422.00	0.00
119	-3485	-3484	-3299	-3287	M	L	0.00	2422.00	0.00
119	-3489	-3488	-3251	-3239	M	L	0.00	2422.00	0.00
119	-3177	-3189	-3190	-3178	M	L	0.00	2422.00	0.00
119	-3491	-3490	-3227	-3215	M	L	0.00	2422.00	0.00
119	-3278	-3290	-3291	-3279	M	L	0.00	2422.00	0.00
119	-3492	-3491	-3215	-3203	M	L	0.00	2422.00	0.00
119	-3279	-3291	-3292	-3280	M	L	0.00	2422.00	0.00
119	-3495	-3494	-3179	-3167	M	L	0.00	2422.00	0.00
119	-3281	-3293	-3294	-3282	M	L	0.00	2422.00	0.00

119	-3232	-3244	-3245	-3233	M	L	0.00	2422.00	0.00
119	-3283	-3295	-3296	-3284	M	L	0.00	2422.00	0.00
119	-3234	-3246	-3247	-3235	M	L	0.00	2422.00	0.00
119	-3186	-3198	-3199	-3187	M	L	0.00	2422.00	0.00
119	-3236	-3248	-3249	-3237	M	L	0.00	2422.00	0.00
119	-3188	-3200	-3201	-3189	M	L	0.00	2422.00	0.00
119	-3288	-3300	-3301	-3289	M	L	0.00	2422.00	0.00
119	-3189	-3201	-3202	-3190	M	L	0.00	2422.00	0.00
119	-3290	-3302	-3303	-3291	M	L	0.00	2422.00	0.00
119	-3317	-3329	-3330	-3318	M	L	0.00	2422.00	0.00
119	-3343	-3355	-3356	-3344	M	L	0.00	2422.00	0.00
119	-3294	-3306	-3307	-3295	M	L	0.00	2422.00	0.00
119	-3194	-3206	-3207	-3195	M	L	0.00	2422.00	0.00
119	-3295	-3307	-3308	-3296	M	L	0.00	2422.00	0.00
119	-3197	-3209	-3210	-3198	M	L	0.00	2422.00	0.00
119	-3348	-1676	-1678	-3349	M	L	0.00	2422.00	0.00
119	-3174	-3186	-3187	-3175	M	L	0.00	2422.00	0.00
119	-3250	-3262	-1805	-1807	M	L	0.00	2422.00	0.00
119	-3300	-3312	-3313	-3301	M	L	0.00	2422.00	0.00
119	-3202	-3214	-1813	-1815	M	L	0.00	2422.00	0.00
119	-3303	-3315	-3316	-3304	M	L	0.00	2422.00	0.00
119	-3304	-3316	-3317	-3305	M	L	0.00	2422.00	0.00
119	-3305	-3317	-3318	-3306	M	L	0.00	2422.00	0.00
119	-3206	-3218	-3219	-3207	M	L	0.00	2422.00	0.00
119	-3307	-3319	-3320	-3308	M	L	0.00	2422.00	0.00
119	-3308	-3320	-3321	-3309	M	L	0.00	2422.00	0.00
119	-3358	-1696	14	-1789	M	L	0.00	2422.00	0.00
119	-3209	-3221	-3222	-3210	M	L	0.00	2422.00	0.00
119	-3159	-3171	-3172	-3160	M	L	0.00	2422.00	0.00
119	-3286	-3298	-1799	-1801	M	L	0.00	2422.00	0.00
119	-3161	-3173	-3174	-3162	M	L	0.00	2422.00	0.00
119	-3237	-3249	-3250	-3238	M	L	0.00	2422.00	0.00
119	-3263	-3275	-3276	-3264	M	L	0.00	2422.00	0.00
119	-3264	-3276	-3277	-3265	M	L	0.00	2422.00	0.00
119	-3167	-3179	-3180	-3168	M	L	0.00	2422.00	0.00
119	-3218	-3230	-3231	-3219	M	L	0.00	2422.00	0.00
119	-3482	-3481	-3335	-3323	M	L	0.00	2422.00	0.00
119	-3245	-3257	-3258	-3246	M	L	0.00	2422.00	0.00
119	-3221	-3233	-3234	-3222	M	L	0.00	2422.00	0.00
119	-3323	-3335	-3336	-3324	M	L	0.00	2422.00	0.00
119	-3223	-3235	-3236	-3224	M	L	0.00	2422.00	0.00
119	-3324	-3336	-3337	-3325	M	L	0.00	2422.00	0.00
119	-3325	-3337	-3338	-3326	M	L	0.00	2422.00	0.00
119	-3328	-3340	-3341	-3329	M	L	0.00	2422.00	0.00
119	-3228	-3240	-3241	-3229	M	L	0.00	2422.00	0.00
119	-3227	-3239	-3240	-3228	M	L	0.00	2422.00	0.00
119	-3355	-1690	-1692	-3356	M	L	0.00	2422.00	0.00
119	-3230	-3242	-3243	-3231	M	L	0.00	2422.00	0.00
119	-3231	-3243	-3244	-3232	M	L	0.00	2422.00	0.00
119	-3158	-3170	-3171	-3159	M	L	0.00	2422.00	0.00
119	-3334	-3346	-1791	-1793	M	L	0.00	2422.00	0.00
119	-3259	-3271	-3272	-3260	M	L	0.00	2422.00	0.00
119	-3335	-3347	-3348	-3336	M	L	0.00	2422.00	0.00
119	-3235	-3247	-3248	-3236	M	L	0.00	2422.00	0.00
119	-3238	-3250	-1807	-1809	M	L	0.00	2422.00	0.00
119	-3287	-3299	-3300	-3288	M	L	0.00	2422.00	0.00
119	-3239	-3251	-3252	-3240	M	L	0.00	2422.00	0.00
119	-3341	-3353	-3354	-3342	M	L	0.00	2422.00	0.00
119	-3216	-3228	-3229	-3217	M	L	0.00	2422.00	0.00
119	-3242	-3254	-3255	-3243	M	L	0.00	2422.00	0.00
119	-3269	-3281	-3282	-3270	M	L	0.00	2422.00	0.00
119	-3345	-3357	-3358	-3346	M	L	0.00	2422.00	0.00
119	-3207	-3219	-3220	-3208	M	L	0.00	2422.00	0.00
119	-3246	-3258	-3259	-3247	M	L	0.00	2422.00	0.00
119	-3247	-3259	-3260	-3248	M	L	0.00	2422.00	0.00
119	-3248	-3260	-3261	-3249	M	L	0.00	2422.00	0.00
119	-3349	-1678	-1680	-3350	M	L	0.00	2422.00	0.00
119	-3150	-3162	-3163	-3151	M	L	0.00	2422.00	0.00
119	-3351	-1682	-1684	-3352	M	L	0.00	2422.00	0.00
119	-3152	-3164	-3165	-3153	M	L	0.00	2422.00	0.00
119	-3352	-1684	-1686	-3353	M	L	0.00	2422.00	0.00
119	-3240	-3252	-3253	-3241	M	L	0.00	2422.00	0.00
119	-3266	-3278	-3279	-3267	M	L	0.00	2422.00	0.00
119	-3205	-3217	-3218	-3206	M	L	0.00	2422.00	0.00
119	-3357	-1694	-1696	-3358	M	L	0.00	2422.00	0.00
119	-3168	-3180	-3181	-3169	M	L	0.00	2422.00	0.00
119	-3257	-3269	-3270	-3258	M	L	0.00	2422.00	0.00
119	-3258	-3270	-3271	-3259	M	L	0.00	2422.00	0.00
119	-3172	-3184	-3185	-3173	M	L	0.00	2422.00	0.00

119	-3273	-3285	-3286	-3274	M	L	0.00	2422.00	0.00
119	-3487	-3486	-3275	-3263	M	L	0.00	2422.00	0.00
119	-3488	-3487	-3263	-3251	M	L	0.00	2422.00	0.00
119	-3275	-3287	-3288	-3276	M	L	0.00	2422.00	0.00
119	-3265	-3277	-3278	-3266	M	L	0.00	2422.00	0.00
119	-3178	-3190	-1817	-1819	M	L	0.00	2422.00	0.00
119	-3302	-3314	-3315	-3303	M	L	0.00	2422.00	0.00
119	-3267	-3279	-3280	-3268	M	L	0.00	2422.00	0.00
119	-3480	-3479	-1674	-3347	M	L	0.00	2422.00	0.00
119	-3306	-3318	-3319	-3307	M	L	0.00	2422.00	0.00
119	-3157	-3169	-3170	-3158	M	L	0.00	2422.00	0.00
119	-3486	-3485	-3287	-3275	M	L	0.00	2422.00	0.00
119	-3196	-3208	-3209	-3197	M	L	0.00	2422.00	0.00
119	-3297	-3309	-3310	-3298	M	L	0.00	2422.00	0.00
119	-3199	-3211	-3212	-3200	M	L	0.00	2422.00	0.00
119	-3200	-3212	-3213	-3201	M	L	0.00	2422.00	0.00
119	-3276	-3288	-3289	-3277	M	L	0.00	2422.00	0.00
119	-3289	-3301	-3302	-3290	M	L	0.00	2422.00	0.00
119	-3226	-3238	-1809	-1811	M	L	0.00	2422.00	0.00
119	-3490	-3489	-3239	-3227	M	L	0.00	2422.00	0.00
119	-3494	-3493	-3191	-3179	M	L	0.00	2422.00	0.00
119	-3222	-3234	-3235	-3223	M	L	0.00	2422.00	0.00
119	-3244	-3256	-3257	-3245	M	L	0.00	2422.00	0.00
119	-3233	-3245	-3246	-3234	M	L	0.00	2422.00	0.00
119	-3301	-3313	-3314	-3302	M	L	0.00	2422.00	0.00
119	-3484	-3483	-3311	-3299	M	L	0.00	2422.00	0.00
119	-3272	-3284	-3285	-3273	M	L	0.00	2422.00	0.00
119	-3198	-3210	-3211	-3199	M	L	0.00	2422.00	0.00
119	-3224	-3236	-3237	-3225	M	L	0.00	2422.00	0.00
119	-3350	-1680	-1682	-3351	M	L	0.00	2422.00	0.00
119	-3225	-3237	-3238	-3226	M	L	0.00	2422.00	0.00
119	-3274	-3286	-1801	-1803	M	L	0.00	2422.00	0.00
119	-3251	-3263	-3264	-3252	M	L	0.00	2422.00	0.00
119	-3170	-3182	-3183	-3171	M	L	0.00	2422.00	0.00
119	-3255	-3267	-3268	-3256	M	L	0.00	2422.00	0.00
119	-3326	-3338	-3339	-3327	M	L	0.00	2422.00	0.00
119	-3299	-3311	-3312	-3300	M	L	0.00	2422.00	0.00
119	-3249	-3261	-3262	-3250	M	L	0.00	2422.00	0.00
119	-3298	-3310	-1797	-1799	M	L	0.00	2422.00	0.00

Condizione di carico n. 13: Spinta inerziale terreno
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
112	-1565	-1577	-1578	-1566	M	L	0.00	-860.00	0.00
112	-1584	-1520	-1522	-1585	M	L	0.00	-860.00	0.00
112	-742	-740	-3521	-3520	M	L	0.00	-860.00	0.00
112	-1533	-1545	-1546	-1534	M	L	0.00	-860.00	0.00
112	-740	274	-3522	-3521	M	L	0.00	-860.00	0.00
112	-1544	-1556	-1557	-1545	M	L	0.00	-860.00	0.00
112	-1585	-1522	-1524	-1586	M	L	0.00	-860.00	0.00
112	-1579	-1510	-1512	-1580	M	L	0.00	-860.00	0.00
112	-1563	-1575	-1502	-1501	M	L	0.00	-860.00	0.00
112	-1558	-1570	-1571	-1559	M	L	0.00	-860.00	0.00
112	-1562	-1574	-1575	-1563	M	L	0.00	-860.00	0.00
112	-1570	-1582	-1583	-1571	M	L	0.00	-860.00	0.00
112	-1546	-1558	-1559	-1547	M	L	0.00	-860.00	0.00
112	-1575	-1587	-1503	-1502	M	L	0.00	-860.00	0.00
112	-1557	-1569	-1570	-1558	M	L	0.00	-860.00	0.00
112	-1543	-1555	-1556	-1544	M	L	0.00	-860.00	0.00
112	-1535	-1547	-1548	-1536	M	L	0.00	-860.00	0.00
112	-1564	-1576	-1577	-1565	M	L	0.00	-860.00	0.00
112	3	-744	-3519	-3518	M	L	0.00	-860.00	0.00
112	-744	-742	-3520	-3519	M	L	0.00	-860.00	0.00
112	-1538	-1550	-1551	-1539	M	L	0.00	-860.00	0.00
112	-1559	-1571	-1572	-1560	M	L	0.00	-860.00	0.00
112	-1547	-1559	-1560	-1548	M	L	0.00	-860.00	0.00
112	-1574	-1586	-1587	-1575	M	L	0.00	-860.00	0.00
112	-1532	-1544	-1545	-1533	M	L	0.00	-860.00	0.00
112	-1542	-1554	-1555	-1543	M	L	0.00	-860.00	0.00
112	-1534	-1546	-1547	-1535	M	L	0.00	-860.00	0.00
112	-1536	-1548	-1549	-1537	M	L	0.00	-860.00	0.00
112	-1586	-1524	-1526	-1587	M	L	0.00	-860.00	0.00
112	-1561	-1573	-1574	-1562	M	L	0.00	-860.00	0.00
112	-1505	-1528	-1529	-1507	M	L	0.00	-860.00	0.00
112	-1577	-1506	-1508	-1578	M	L	0.00	-860.00	0.00
112	-1540	-1552	-1553	-1541	M	L	0.00	-860.00	0.00
112	-1548	-1560	-1561	-1549	M	L	0.00	-860.00	0.00

112	-1531	-1543	-1544	-1532	M	L	0.00	-860.00	0.00
112	-1545	-1557	-1558	-1546	M	L	0.00	-860.00	0.00
112	-3520	-3521	-1552	-1540	M	L	0.00	-860.00	0.00
112	-1528	-1540	-1541	-1529	M	L	0.00	-860.00	0.00
112	-3523	-3524	-1504	-1576	M	L	0.00	-860.00	0.00
112	-1571	-1583	-1584	-1572	M	L	0.00	-860.00	0.00
112	-1550	-1562	-1563	-1551	M	L	0.00	-860.00	0.00
112	-1568	-1580	-1581	-1569	M	L	0.00	-860.00	0.00
112	-1519	-1535	-1536	-1521	M	L	0.00	-860.00	0.00
112	-1566	-1578	-1579	-1567	M	L	0.00	-860.00	0.00
112	-1530	-1542	-1543	-1531	M	L	0.00	-860.00	0.00
112	-1537	-1549	-1550	-1538	M	L	0.00	-860.00	0.00
112	-1576	-1504	-1506	-1577	M	L	0.00	-860.00	0.00
112	-1583	-1518	-1520	-1584	M	L	0.00	-860.00	0.00
112	-1582	-1516	-1518	-1583	M	L	0.00	-860.00	0.00
112	-1541	-1553	-1554	-1542	M	L	0.00	-860.00	0.00
112	-1580	-1512	-1514	-1581	M	L	0.00	-860.00	0.00
112	-1539	-1551	-1500	-1499	M	L	0.00	-860.00	0.00
112	-1560	-1572	-1573	-1561	M	L	0.00	-860.00	0.00
112	-1525	-1538	-1539	-1527	M	L	0.00	-860.00	0.00
112	-1529	-1541	-1542	-1530	M	L	0.00	-860.00	0.00
112	-1511	-1531	-1532	-1513	M	L	0.00	-860.00	0.00
112	-1527	-1539	-1499	103	M	L	0.00	-860.00	0.00
112	-1578	-1508	-1510	-1579	M	L	0.00	-860.00	0.00
112	-1554	-1566	-1567	-1555	M	L	0.00	-860.00	0.00
112	-1513	-1532	-1533	-1515	M	L	0.00	-860.00	0.00
112	-736	20	-3524	-3523	M	L	0.00	-860.00	0.00
112	-1555	-1567	-1568	-1556	M	L	0.00	-860.00	0.00
112	-1515	-1533	-1534	-1517	M	L	0.00	-860.00	0.00
112	-3519	-3520	-1540	-1528	M	L	0.00	-860.00	0.00
112	-1552	-1564	-1565	-1553	M	L	0.00	-860.00	0.00
112	-1509	-1530	-1531	-1511	M	L	0.00	-860.00	0.00
112	-1572	-1584	-1585	-1573	M	L	0.00	-860.00	0.00
112	-1569	-1581	-1582	-1570	M	L	0.00	-860.00	0.00
112	-1587	-1526	120	-1503	M	L	0.00	-860.00	0.00
112	-1567	-1579	-1580	-1568	M	L	0.00	-860.00	0.00
112	-1523	-1537	-1538	-1525	M	L	0.00	-860.00	0.00
112	-1551	-1563	-1501	-1500	M	L	0.00	-860.00	0.00
112	-1556	-1568	-1569	-1557	M	L	0.00	-860.00	0.00
112	-1521	-1536	-1537	-1523	M	L	0.00	-860.00	0.00
112	274	-736	-3523	-3522	M	L	0.00	-860.00	0.00
112	-3518	-3519	-1528	-1505	M	L	0.00	-860.00	0.00
112	-1553	-1565	-1566	-1554	M	L	0.00	-860.00	0.00
112	-1581	-1514	-1516	-1582	M	L	0.00	-860.00	0.00
112	-1517	-1534	-1535	-1519	M	L	0.00	-860.00	0.00
112	-3521	-3522	-1564	-1552	M	L	0.00	-860.00	0.00
112	-3522	-3523	-1576	-1564	M	L	0.00	-860.00	0.00
112	-1573	-1585	-1586	-1574	M	L	0.00	-860.00	0.00
112	-1549	-1561	-1562	-1550	M	L	0.00	-860.00	0.00
112	-1507	-1529	-1530	-1509	M	L	0.00	-860.00	0.00
115	-737	18	-3473	-3474	M	L	0.00	860.00	0.00
115	-1707	-1719	-1720	-1708	M	L	0.00	860.00	0.00
115	-1705	-1717	-1718	-1706	M	L	0.00	860.00	0.00
115	-1755	-1693	-1695	-1756	M	L	0.00	860.00	0.00
115	-1735	-1747	-1748	-1736	M	L	0.00	860.00	0.00
115	-1697	-1709	-1710	-1698	M	L	0.00	860.00	0.00
115	-1718	-1730	-1731	-1719	M	L	0.00	860.00	0.00
115	-1756	-1695	118	-1672	M	L	0.00	860.00	0.00
115	-1720	-1732	-1670	-1669	M	L	0.00	860.00	0.00
115	-1736	-1748	-1749	-1737	M	L	0.00	860.00	0.00
115	-1716	-1728	-1729	-1717	M	L	0.00	860.00	0.00
115	-1740	-1752	-1753	-1741	M	L	0.00	860.00	0.00
115	-1715	-1727	-1728	-1716	M	L	0.00	860.00	0.00
115	-3476	-3475	-1733	-1721	M	L	0.00	860.00	0.00
115	-1688	-1704	-1705	-1690	M	L	0.00	860.00	0.00
115	-1706	-1718	-1719	-1707	M	L	0.00	860.00	0.00
115	-1746	-1675	-1677	-1747	M	L	0.00	860.00	0.00
115	-743	-741	-3476	-3477	M	L	0.00	860.00	0.00
115	-1694	-1707	-1708	-1696	M	L	0.00	860.00	0.00
115	-1710	-1722	-1723	-1711	M	L	0.00	860.00	0.00
115	-1738	-1750	-1751	-1739	M	L	0.00	860.00	0.00
115	-1727	-1739	-1740	-1728	M	L	0.00	860.00	0.00
115	-1713	-1725	-1726	-1714	M	L	0.00	860.00	0.00
115	-1682	-1701	-1702	-1684	M	L	0.00	860.00	0.00
115	-1714	-1726	-1727	-1715	M	L	0.00	860.00	0.00
115	-1753	-1689	-1691	-1754	M	L	0.00	860.00	0.00
115	-1754	-1691	-1693	-1755	M	L	0.00	860.00	0.00
115	-3475	-3474	-1745	-1733	M	L	0.00	860.00	0.00
115	-1704	-1716	-1717	-1705	M	L	0.00	860.00	0.00

115	-1692	-1706	-1707	-1694	M	L	0.00	860.00	0.00
115	-1745	-1673	-1675	-1746	M	L	0.00	860.00	0.00
115	-741	279	-3475	-3476	M	L	0.00	860.00	0.00
115	-1747	-1677	-1679	-1748	M	L	0.00	860.00	0.00
115	-1676	-1698	-1699	-1678	M	L	0.00	860.00	0.00
115	-1680	-1700	-1701	-1682	M	L	0.00	860.00	0.00
115	-1701	-1713	-1714	-1702	M	L	0.00	860.00	0.00
115	-1712	-1724	-1725	-1713	M	L	0.00	860.00	0.00
115	-1751	-1685	-1687	-1752	M	L	0.00	860.00	0.00
115	-1684	-1702	-1703	-1686	M	L	0.00	860.00	0.00
115	-1752	-1687	-1689	-1753	M	L	0.00	860.00	0.00
115	-1717	-1729	-1730	-1718	M	L	0.00	860.00	0.00
115	-1686	-1703	-1704	-1688	M	L	0.00	860.00	0.00
115	-3478	-3477	-1709	-1697	M	L	0.00	860.00	0.00
115	-1719	-1731	-1732	-1720	M	L	0.00	860.00	0.00
115	-1696	-1708	-1668	14	M	L	0.00	860.00	0.00
115	-1721	-1733	-1734	-1722	M	L	0.00	860.00	0.00
115	-745	-743	-3477	-3478	M	L	0.00	860.00	0.00
115	4	-745	-3478	-3479	M	L	0.00	860.00	0.00
115	-1737	-1749	-1750	-1738	M	L	0.00	860.00	0.00
115	-1725	-1737	-1738	-1726	M	L	0.00	860.00	0.00
115	-1678	-1699	-1700	-1680	M	L	0.00	860.00	0.00
115	-1700	-1712	-1713	-1701	M	L	0.00	860.00	0.00
115	-1739	-1751	-1752	-1740	M	L	0.00	860.00	0.00
115	-1729	-1741	-1742	-1730	M	L	0.00	860.00	0.00
115	-1742	-1754	-1755	-1743	M	L	0.00	860.00	0.00
115	-1731	-1743	-1744	-1732	M	L	0.00	860.00	0.00
115	-1730	-1742	-1743	-1731	M	L	0.00	860.00	0.00
115	-1708	-1720	-1669	-1668	M	L	0.00	860.00	0.00
115	-1732	-1744	-1671	-1670	M	L	0.00	860.00	0.00
115	-1726	-1738	-1739	-1727	M	L	0.00	860.00	0.00
115	-1698	-1710	-1711	-1699	M	L	0.00	860.00	0.00
115	-1699	-1711	-1712	-1700	M	L	0.00	860.00	0.00
115	-1749	-1681	-1683	-1750	M	L	0.00	860.00	0.00
115	-1724	-1736	-1737	-1725	M	L	0.00	860.00	0.00
115	-1711	-1723	-1724	-1712	M	L	0.00	860.00	0.00
115	-3479	-3478	-1697	-1674	M	L	0.00	860.00	0.00
115	-1702	-1714	-1715	-1703	M	L	0.00	860.00	0.00
115	-1703	-1715	-1716	-1704	M	L	0.00	860.00	0.00
115	-1741	-1753	-1754	-1742	M	L	0.00	860.00	0.00
115	-1744	-1756	-1672	-1671	M	L	0.00	860.00	0.00
115	-1690	-1705	-1706	-1692	M	L	0.00	860.00	0.00
115	-3477	-3476	-1721	-1709	M	L	0.00	860.00	0.00
115	-1674	-1697	-1698	-1676	M	L	0.00	860.00	0.00
115	-1750	-1683	-1685	-1751	M	L	0.00	860.00	0.00
115	-1709	-1721	-1722	-1710	M	L	0.00	860.00	0.00
115	-1722	-1734	-1735	-1723	M	L	0.00	860.00	0.00
115	-1748	-1679	-1681	-1749	M	L	0.00	860.00	0.00
115	-1733	-1745	-1746	-1734	M	L	0.00	860.00	0.00
115	-1743	-1755	-1756	-1744	M	L	0.00	860.00	0.00
115	279	-737	-3474	-3475	M	L	0.00	860.00	0.00
115	-3474	-3473	-1673	-1745	M	L	0.00	860.00	0.00
115	-1728	-1740	-1741	-1729	M	L	0.00	860.00	0.00
115	-1734	-1746	-1747	-1735	M	L	0.00	860.00	0.00
115	-1723	-1735	-1736	-1724	M	L	0.00	860.00	0.00
118	-2985	-3404	-3403	-2986	M	L	0.00	860.00	0.00
118	-3109	-3121	-3122	-3110	M	L	0.00	860.00	0.00
118	-2993	-3005	-3006	-2994	M	L	0.00	860.00	0.00
118	-3121	-3133	-3134	-3122	M	L	0.00	860.00	0.00
118	-2982	-3407	-3406	-2983	M	L	0.00	860.00	0.00
118	-3094	-3106	-1831	-1833	M	L	0.00	860.00	0.00
118	-2984	-3405	-3404	-2985	M	L	0.00	860.00	0.00
118	-3511	-3510	-2987	-3414	M	L	0.00	860.00	0.00
118	-3084	-3096	-3097	-3085	M	L	0.00	860.00	0.00
118	-2930	-2942	-2943	-2931	M	L	0.00	860.00	0.00
118	-3508	-3507	-3023	-3011	M	L	0.00	860.00	0.00
118	-1507	-2916	-2917	-1509	M	L	0.00	860.00	0.00
118	-3095	-3107	-3108	-3096	M	L	0.00	860.00	0.00
118	-3082	-3094	-1833	-1835	M	L	0.00	860.00	0.00
118	-3108	-3120	-3121	-3109	M	L	0.00	860.00	0.00
118	-2955	-2967	-2968	-2956	M	L	0.00	860.00	0.00
118	-1505	-2915	-2916	-1507	M	L	0.00	860.00	0.00
118	-3140	-3152	-3153	-3141	M	L	0.00	860.00	0.00
118	-3006	-3018	-3019	-3007	M	L	0.00	860.00	0.00
118	-3088	-3100	-3101	-3089	M	L	0.00	860.00	0.00
118	-70	-68	-3497	-3498	M	L	0.00	860.00	0.00
118	-3083	-3095	-3096	-3084	M	L	0.00	860.00	0.00
118	-2980	-3409	-3408	-2981	M	L	0.00	860.00	0.00
118	-3091	-3103	-3104	-3092	M	L	0.00	860.00	0.00

118	-3093	-3105	-3106	-3094	M	L	0.00	860.00	0.00
118	-2918	-2930	-2931	-2919	M	L	0.00	860.00	0.00
118	-2920	-2932	-2933	-2921	M	L	0.00	860.00	0.00
118	-3120	-3132	-3133	-3121	M	L	0.00	860.00	0.00
118	-2921	-2933	-2934	-2922	M	L	0.00	860.00	0.00
118	-1521	-2923	-2924	-1523	M	L	0.00	860.00	0.00
118	-1523	-2924	-2925	-1525	M	L	0.00	860.00	0.00
118	-3114	-3126	-3127	-3115	M	L	0.00	860.00	0.00
118	-3000	-3012	-3013	-3001	M	L	0.00	860.00	0.00
118	-3001	-3013	-3014	-3002	M	L	0.00	860.00	0.00
118	-3004	-3016	-3017	-3005	M	L	0.00	860.00	0.00
118	-2991	-3003	-3004	-2992	M	L	0.00	860.00	0.00
118	-3003	-3015	-3016	-3004	M	L	0.00	860.00	0.00
118	-2929	-2941	-2942	-2930	M	L	0.00	860.00	0.00
118	-3130	-3142	-1825	-1827	M	L	0.00	860.00	0.00
118	-2931	-2943	-2944	-2932	M	L	0.00	860.00	0.00
118	-3132	-3144	-3145	-3133	M	L	0.00	860.00	0.00
118	-2983	-3406	-3405	-2984	M	L	0.00	860.00	0.00
118	-3134	-3146	-3147	-3135	M	L	0.00	860.00	0.00
118	-3112	-3124	-3125	-3113	M	L	0.00	860.00	0.00
118	-3011	-3023	-3024	-3012	M	L	0.00	860.00	0.00
118	-1525	-2925	-2926	-1527	M	L	0.00	860.00	0.00
118	-3013	-3025	-3026	-3014	M	L	0.00	860.00	0.00
118	-3128	-3140	-3141	-3129	M	L	0.00	860.00	0.00
118	-2953	-2965	-2966	-2954	M	L	0.00	860.00	0.00
118	-3116	-3128	-3129	-3117	M	L	0.00	860.00	0.00
118	-3142	-3154	-1823	-1825	M	L	0.00	860.00	0.00
118	-2992	-3004	-3005	-2993	M	L	0.00	860.00	0.00
118	-3143	-3155	-3156	-3144	M	L	0.00	860.00	0.00
118	-2943	-2955	-2956	-2944	M	L	0.00	860.00	0.00
118	-3145	-3157	-3158	-3146	M	L	0.00	860.00	0.00
118	-3146	-3158	-3159	-3147	M	L	0.00	860.00	0.00
118	-3137	-3149	-3150	-3138	M	L	0.00	860.00	0.00
118	-2937	-2949	-2950	-2938	M	L	0.00	860.00	0.00
118	-3086	-3098	-3099	-3087	M	L	0.00	860.00	0.00
118	-3100	-3112	-3113	-3101	M	L	0.00	860.00	0.00
118	-102	-100	-3514	-3515	M	L	0.00	860.00	0.00
118	-100	-98	-3513	-3514	M	L	0.00	860.00	0.00
118	-3002	-3014	-3015	-3003	M	L	0.00	860.00	0.00
118	-3052	-3064	-3065	-3053	M	L	0.00	860.00	0.00
118	-3053	-3065	-3066	-3054	M	L	0.00	860.00	0.00
118	-2954	-2966	-2967	-2955	M	L	0.00	860.00	0.00
118	-3056	-3068	-3069	-3057	M	L	0.00	860.00	0.00
118	-1511	-2918	-2919	-1513	M	L	0.00	860.00	0.00
118	-3008	-3020	-3021	-3009	M	L	0.00	860.00	0.00
118	-1517	-2921	-2922	-1519	M	L	0.00	860.00	0.00
118	-3110	-3122	-3123	-3111	M	L	0.00	860.00	0.00
118	-3111	-3123	-3124	-3112	M	L	0.00	860.00	0.00
118	-3139	-3151	-3152	-3140	M	L	0.00	860.00	0.00
118	-2938	-2950	-1857	-1857	M	L	0.00	860.00	0.00
118	-3113	-3125	-3126	-3114	M	L	0.00	860.00	0.00
118	-2939	-2951	-2952	-2940	M	L	0.00	860.00	0.00
118	-3015	-3027	-3028	-3016	M	L	0.00	860.00	0.00
118	-2915	-2927	-2928	-2916	M	L	0.00	860.00	0.00
118	-2941	-2953	-2954	-2942	M	L	0.00	860.00	0.00
118	-3118	-3130	-1827	-1829	M	L	0.00	860.00	0.00
118	-3119	-3131	-3132	-3120	M	L	0.00	860.00	0.00
118	-2919	-2931	-2932	-2920	M	L	0.00	860.00	0.00
118	-2971	-2983	-2984	-2972	M	L	0.00	860.00	0.00
118	-2922	-2934	-2935	-2923	M	L	0.00	860.00	0.00
118	-2948	-2960	-2961	-2949	M	L	0.00	860.00	0.00
118	-2962	-2974	-1853	-1855	M	L	0.00	860.00	0.00
118	-3061	-3073	-3074	-3062	M	L	0.00	860.00	0.00
118	-96	-3415	-3511	-3512	M	L	0.00	860.00	0.00
118	-2975	-3414	-3413	-2976	M	L	0.00	860.00	0.00
118	-3077	-3089	-3090	-3078	M	L	0.00	860.00	0.00
118	-3129	-3141	-3142	-3130	M	L	0.00	860.00	0.00
118	-2978	-3411	-3410	-2979	M	L	0.00	860.00	0.00
118	-3079	-3091	-3092	-3080	M	L	0.00	860.00	0.00
118	-3080	-3092	-3093	-3081	M	L	0.00	860.00	0.00
118	-2981	-3408	-3407	-2982	M	L	0.00	860.00	0.00
118	-2932	-2944	-2945	-2933	M	L	0.00	860.00	0.00
118	-78	-76	-3501	-3502	M	L	0.00	860.00	0.00
118	-3498	-3497	-3143	-3131	M	L	0.00	860.00	0.00
118	-3499	-3498	-3131	-3119	M	L	0.00	860.00	0.00
118	-2986	-3403	-3402	-1851	M	L	0.00	860.00	0.00
118	-94	-92	-3509	-3510	M	L	0.00	860.00	0.00
118	-2987	-2999	-3000	-2988	M	L	0.00	860.00	0.00
118	-2989	-3001	-3002	-2990	M	L	0.00	860.00	0.00

118	-3089	-3101	-3102	-3090	M	L	0.00	860.00	0.00
118	-2990	-3002	-3003	-2991	M	L	0.00	860.00	0.00
118	-3506	-3505	-3047	-3035	M	L	0.00	860.00	0.00
118	-3092	-3104	-3105	-3093	M	L	0.00	860.00	0.00
118	-3507	-3506	-3035	-3023	M	L	0.00	860.00	0.00
118	-2995	-3007	-3008	-2996	M	L	0.00	860.00	0.00
118	-76	-74	-3500	-3501	M	L	0.00	860.00	0.00
118	-3147	-3159	-3160	-3148	M	L	0.00	860.00	0.00
118	-2997	-3009	-3010	-2998	M	L	0.00	860.00	0.00
118	-92	-90	-3508	-3509	M	L	0.00	860.00	0.00
118	-3404	-2997	-2998	-3403	M	L	0.00	860.00	0.00
118	-2999	-3011	-3012	-3000	M	L	0.00	860.00	0.00
118	-3406	-2995	-2996	-3405	M	L	0.00	860.00	0.00
118	-3407	-2994	-2995	-3406	M	L	0.00	860.00	0.00
118	-3408	-2993	-2994	-3407	M	L	0.00	860.00	0.00
118	-3409	-2992	-2993	-3408	M	L	0.00	860.00	0.00
118	-3410	-2991	-2992	-3409	M	L	0.00	860.00	0.00
118	-3005	-3017	-3018	-3006	M	L	0.00	860.00	0.00
118	-3412	-2989	-2990	-3411	M	L	0.00	860.00	0.00
118	-1513	-2919	-2920	-1515	M	L	0.00	860.00	0.00
118	-1515	-2920	-2921	-1517	M	L	0.00	860.00	0.00
118	-3010	-3022	-1845	-1847	M	L	0.00	860.00	0.00
118	-90	-88	-3507	-3508	M	L	0.00	860.00	0.00
118	-2960	-2972	-2973	-2961	M	L	0.00	860.00	0.00
118	-3060	-3072	-3073	-3061	M	L	0.00	860.00	0.00
118	-3012	-3024	-3025	-3013	M	L	0.00	860.00	0.00
118	-1527	-2926	-1859	103	M	L	0.00	860.00	0.00
118	-3115	-3127	-3128	-3116	M	L	0.00	860.00	0.00
118	-105	2	-3516	-3517	M	L	0.00	860.00	0.00
118	-72	-70	-3498	-3499	M	L	0.00	860.00	0.00
118	-3017	-3029	-3030	-3018	M	L	0.00	860.00	0.00
118	-2917	-2929	-2930	-2918	M	L	0.00	860.00	0.00
118	-3019	-3031	-3032	-3020	M	L	0.00	860.00	0.00
118	-2969	-2981	-2982	-2970	M	L	0.00	860.00	0.00
118	-3020	-3032	-3033	-3021	M	L	0.00	860.00	0.00
118	-3123	-3135	-3136	-3124	M	L	0.00	860.00	0.00
118	-2973	-2985	-2986	-2974	M	L	0.00	860.00	0.00
118	-3124	-3136	-3137	-3125	M	L	0.00	860.00	0.00
118	-3125	-3137	-3138	-3126	M	L	0.00	860.00	0.00
118	-3126	-3138	-3139	-3127	M	L	0.00	860.00	0.00
118	-2927	-2939	-2940	-2928	M	L	0.00	860.00	0.00
118	2	-102	-3515	-3516	M	L	0.00	860.00	0.00
118	-2928	-2940	-2941	-2929	M	L	0.00	860.00	0.00
118	-3029	-3041	-3042	-3030	M	L	0.00	860.00	0.00
118	-2979	-3410	-3409	-2980	M	L	0.00	860.00	0.00
118	-3131	-3143	-3144	-3132	M	L	0.00	860.00	0.00
118	-3031	-3043	-3044	-3032	M	L	0.00	860.00	0.00
118	-3133	-3145	-3146	-3134	M	L	0.00	860.00	0.00
118	-2934	-2946	-2947	-2935	M	L	0.00	860.00	0.00
118	-3135	-3147	-3148	-3136	M	L	0.00	860.00	0.00
118	-3136	-3148	-3149	-3137	M	L	0.00	860.00	0.00
118	-2936	-2948	-2949	-2937	M	L	0.00	860.00	0.00
118	-3138	-3150	-3151	-3139	M	L	0.00	860.00	0.00
118	-2950	-2962	-1855	-1857	M	L	0.00	860.00	0.00
118	-3038	-3050	-3051	-3039	M	L	0.00	860.00	0.00
118	-3141	-3153	-3154	-3142	M	L	0.00	860.00	0.00
118	-3041	-3053	-3054	-3042	M	L	0.00	860.00	0.00
118	-68	-66	-3496	-3497	M	L	0.00	860.00	0.00
118	-3043	-3055	-3056	-3044	M	L	0.00	860.00	0.00
118	-3144	-3156	-3157	-3145	M	L	0.00	860.00	0.00
118	-2945	-2957	-2958	-2946	M	L	0.00	860.00	0.00
118	-2946	-2958	-2959	-2947	M	L	0.00	860.00	0.00
118	-2947	-2959	-2960	-2948	M	L	0.00	860.00	0.00
118	-3148	-3160	-3161	-3149	M	L	0.00	860.00	0.00
118	-3149	-3161	-3162	-3150	M	L	0.00	860.00	0.00
118	-3049	-3061	-3062	-3050	M	L	0.00	860.00	0.00
118	-3050	-3062	-3063	-3051	M	L	0.00	860.00	0.00
118	-2952	-2964	-2965	-2953	M	L	0.00	860.00	0.00
118	-2951	-2963	-2964	-2952	M	L	0.00	860.00	0.00
118	-3103	-3115	-3116	-3104	M	L	0.00	860.00	0.00
118	-3054	-3066	-3067	-3055	M	L	0.00	860.00	0.00
118	-3105	-3117	-3118	-3106	M	L	0.00	860.00	0.00
118	-2956	-2968	-2969	-2957	M	L	0.00	860.00	0.00
118	-3007	-3019	-3020	-3008	M	L	0.00	860.00	0.00
118	-3414	-2987	-2988	-3413	M	L	0.00	860.00	0.00
118	-3009	-3021	-3022	-3010	M	L	0.00	860.00	0.00
118	-1519	-2922	-2923	-1521	M	L	0.00	860.00	0.00
118	-3059	-3071	-3072	-3060	M	L	0.00	860.00	0.00
118	-3501	-3500	-3107	-3095	M	L	0.00	860.00	0.00

118	-98	-96	-3512	-3513	M	L	0.00	860.00	0.00
118	-2963	-2975	-2976	-2964	M	L	0.00	860.00	0.00
118	-2964	-2976	-2977	-2965	M	L	0.00	860.00	0.00
118	-2965	-2977	-2978	-2966	M	L	0.00	860.00	0.00
118	-3117	-3129	-3130	-3118	M	L	0.00	860.00	0.00
118	-3068	-3080	-3081	-3069	M	L	0.00	860.00	0.00
118	-2967	-2979	-2980	-2968	M	L	0.00	860.00	0.00
118	-3070	-3082	-1835	-1837	M	L	0.00	860.00	0.00
118	-2968	-2980	-2981	-2969	M	L	0.00	860.00	0.00
118	-80	-78	-3502	-3503	M	L	0.00	860.00	0.00
118	-3122	-3134	-3135	-3123	M	L	0.00	860.00	0.00
118	-3072	-3084	-3085	-3073	M	L	0.00	860.00	0.00
118	-2974	-2986	-1851	-1853	M	L	0.00	860.00	0.00
118	-3074	-3086	-3087	-3075	M	L	0.00	860.00	0.00
118	-3075	-3087	-3088	-3076	M	L	0.00	860.00	0.00
118	-2976	-3413	-3412	-2977	M	L	0.00	860.00	0.00
118	-3076	-3088	-3089	-3077	M	L	0.00	860.00	0.00
118	-3078	-3090	-3091	-3079	M	L	0.00	860.00	0.00
118	-3027	-3039	-3040	-3028	M	L	0.00	860.00	0.00
118	-2916	-2928	-2929	-2917	M	L	0.00	860.00	0.00
118	-3081	-3093	-3094	-3082	M	L	0.00	860.00	0.00
118	-74	-72	-3499	-3500	M	L	0.00	860.00	0.00
118	-3032	-3044	-3045	-3033	M	L	0.00	860.00	0.00
118	-3497	-3496	-3155	-3143	M	L	0.00	860.00	0.00
118	-3034	-3046	-1841	-1843	M	L	0.00	860.00	0.00
118	-3085	-3097	-3098	-3086	M	L	0.00	860.00	0.00
118	-3035	-3047	-3048	-3036	M	L	0.00	860.00	0.00
118	-3087	-3099	-3100	-3088	M	L	0.00	860.00	0.00
118	-3503	-3502	-3083	-3071	M	L	0.00	860.00	0.00
118	-2988	-3000	-3001	-2989	M	L	0.00	860.00	0.00
118	-3090	-3102	-3103	-3091	M	L	0.00	860.00	0.00
118	-3505	-3504	-3059	-3047	M	L	0.00	860.00	0.00
118	-3104	-3116	-3117	-3105	M	L	0.00	860.00	0.00
118	-2942	-2954	-2955	-2943	M	L	0.00	860.00	0.00
118	-3509	-3508	-3011	-2999	M	L	0.00	860.00	0.00
118	-2994	-3006	-3007	-2995	M	L	0.00	860.00	0.00
118	-3510	-3509	-2999	-2987	M	L	0.00	860.00	0.00
118	-3096	-3108	-3109	-3097	M	L	0.00	860.00	0.00
118	-3097	-3109	-3110	-3098	M	L	0.00	860.00	0.00
118	-3098	-3110	-3111	-3099	M	L	0.00	860.00	0.00
118	-3099	-3111	-3112	-3100	M	L	0.00	860.00	0.00
118	-3516	-3515	-2939	-2927	M	L	0.00	860.00	0.00
118	-3101	-3113	-3114	-3102	M	L	0.00	860.00	0.00
118	-3102	-3114	-3115	-3103	M	L	0.00	860.00	0.00
118	-3518	-3517	-2915	-1505	M	L	0.00	860.00	0.00
118	-3064	-3076	-3077	-3065	M	L	0.00	860.00	0.00
118	-2966	-2978	-2979	-2967	M	L	0.00	860.00	0.00
118	-1509	-2917	-2918	-1511	M	L	0.00	-860.00	0.00
118	-3055	-3067	-3068	-3056	M	L	0.00	860.00	0.00
118	-3107	-3119	-3120	-3108	M	L	0.00	860.00	0.00
118	-3057	-3069	-3070	-3058	M	L	0.00	860.00	0.00
118	-3415	-94	-3510	-3511	M	L	0.00	860.00	0.00
118	-2959	-2971	-2972	-2960	M	L	0.00	860.00	0.00
118	-3500	-3499	-3119	-3107	M	L	0.00	860.00	0.00
118	-2961	-2973	-2974	-2962	M	L	0.00	860.00	0.00
118	-3036	-3048	-3049	-3037	M	L	0.00	860.00	0.00
118	-3063	-3075	-3076	-3064	M	L	0.00	860.00	0.00
118	-3014	-3026	-3027	-3015	M	L	0.00	860.00	0.00
118	-3028	-3040	-3041	-3029	M	L	0.00	860.00	0.00
118	-2940	-2952	-2953	-2941	M	L	0.00	860.00	0.00
118	-3067	-3079	-3080	-3068	M	L	0.00	860.00	0.00
118	-3018	-3030	-3031	-3019	M	L	0.00	860.00	0.00
118	-2944	-2956	-2957	-2945	M	L	0.00	860.00	0.00
118	-3045	-3057	-3058	-3046	M	L	0.00	860.00	0.00
118	-3021	-3033	-3034	-3022	M	L	0.00	860.00	0.00
118	-2923	-2935	-2936	-2924	M	L	0.00	860.00	0.00
118	-88	-86	-3506	-3507	M	L	0.00	860.00	0.00
118	-2924	-2936	-2937	-2925	M	L	0.00	860.00	0.00
118	-2925	-2937	-2938	-2926	M	L	0.00	860.00	0.00
118	-3127	-3139	-3140	-3128	M	L	0.00	860.00	0.00
118	-3026	-3038	-3039	-3027	M	L	0.00	860.00	0.00
118	-3039	-3051	-3052	-3040	M	L	0.00	860.00	0.00
118	-2977	-3412	-3411	-2978	M	L	0.00	860.00	0.00
118	-3016	-3028	-3029	-3017	M	L	0.00	860.00	0.00
118	-3030	-3042	-3043	-3031	M	L	0.00	860.00	0.00
118	-3106	-3118	-1829	-1831	M	L	0.00	860.00	0.00
118	-2958	-2970	-2971	-2959	M	L	0.00	860.00	0.00
118	-2933	-2945	-2946	-2934	M	L	0.00	860.00	0.00
118	-82	-80	-3503	-3504	M	L	0.00	860.00	0.00

118	-2935	-2947	-2948	-2936	M	L	0.00	860.00	0.00
118	-86	-84	-3505	-3506	M	L	0.00	860.00	0.00
118	-3037	-3049	-3050	-3038	M	L	0.00	860.00	0.00
118	-3502	-3501	-3095	-3083	M	L	0.00	860.00	0.00
118	-3062	-3074	-3075	-3063	M	L	0.00	860.00	0.00
118	-3051	-3063	-3064	-3052	M	L	0.00	860.00	0.00
118	-3065	-3077	-3078	-3066	M	L	0.00	860.00	0.00
118	-3040	-3052	-3053	-3041	M	L	0.00	860.00	0.00
118	-3042	-3054	-3055	-3043	M	L	0.00	860.00	0.00
118	-3069	-3081	-3082	-3070	M	L	0.00	860.00	0.00
118	-3044	-3056	-3057	-3045	M	L	0.00	860.00	0.00
118	-3413	-2988	-2989	-3412	M	L	0.00	860.00	0.00
118	-3046	-3058	-1839	-1841	M	L	0.00	860.00	0.00
118	-84	-82	-3504	-3505	M	L	0.00	860.00	0.00
118	-3047	-3059	-3060	-3048	M	L	0.00	860.00	0.00
118	-2949	-2961	-2962	-2950	M	L	0.00	860.00	0.00
118	3	-105	-3517	-3518	M	L	0.00	860.00	0.00
118	-2926	-2938	-1857	-1859	M	L	0.00	860.00	0.00
118	-3405	-2996	-2997	-3404	M	L	0.00	860.00	0.00
118	-3025	-3037	-3038	-3026	M	L	0.00	860.00	0.00
118	-3504	-3503	-3071	-3059	M	L	0.00	860.00	0.00
118	-3066	-3078	-3079	-3067	M	L	0.00	860.00	0.00
118	-3411	-2990	-2991	-3410	M	L	0.00	860.00	0.00
118	-3073	-3085	-3086	-3074	M	L	0.00	860.00	0.00
118	-3024	-3036	-3037	-3025	M	L	0.00	860.00	0.00
118	-3033	-3045	-3046	-3034	M	L	0.00	860.00	0.00
118	-3058	-3070	-1837	-1839	M	L	0.00	860.00	0.00
118	-2972	-2984	-2985	-2973	M	L	0.00	860.00	0.00
118	-3022	-3034	-1843	-1845	M	L	0.00	860.00	0.00
118	-3512	-3511	-3414	-2975	M	L	0.00	860.00	0.00
118	-2998	-3010	-1847	-1849	M	L	0.00	860.00	0.00
118	-3023	-3035	-3036	-3024	M	L	0.00	860.00	0.00
118	-3515	-3514	-2951	-2939	M	L	0.00	860.00	0.00
118	-3517	-3516	-2927	-2915	M	L	0.00	860.00	0.00
118	-2996	-3008	-3009	-2997	M	L	0.00	860.00	0.00
118	-2957	-2969	-2970	-2958	M	L	0.00	860.00	0.00
118	-3071	-3083	-3084	-3072	M	L	0.00	860.00	0.00
118	-3514	-3513	-2963	-2951	M	L	0.00	860.00	0.00
118	-3513	-3512	-2975	-2963	M	L	0.00	860.00	0.00
118	-3048	-3060	-3061	-3049	M	L	0.00	860.00	0.00
118	-3403	-2998	-1849	-3402	M	L	0.00	860.00	0.00
118	-2970	-2982	-2983	-2971	M	L	0.00	860.00	0.00
119	-3182	-3194	-3195	-3183	M	L	0.00	860.00	0.00
119	-3322	-3334	-1793	-1795	M	L	0.00	860.00	0.00
119	-3319	-3331	-3332	-3320	M	L	0.00	860.00	0.00
119	-3344	-3356	-3357	-3345	M	L	0.00	860.00	0.00
119	-66	-64	-3495	-3496	M	L	0.00	860.00	0.00
119	-62	-60	-3493	-3494	M	L	0.00	860.00	0.00
119	-3493	-3492	-3203	-3191	M	L	0.00	860.00	0.00
119	-3321	-3333	-3334	-3322	M	L	0.00	860.00	0.00
119	-3331	-3343	-3344	-3332	M	L	0.00	860.00	0.00
119	-3171	-3183	-3184	-3172	M	L	0.00	860.00	0.00
119	-3310	-3322	-1795	-1797	M	L	0.00	860.00	0.00
119	-3311	-3323	-3324	-3312	M	L	0.00	860.00	0.00
119	-3312	-3324	-3325	-3313	M	L	0.00	860.00	0.00
119	-3280	-3292	-3293	-3281	M	L	0.00	860.00	0.00
119	-3282	-3294	-3295	-3283	M	L	0.00	860.00	0.00
119	-3340	-3352	-3353	-3341	M	L	0.00	860.00	0.00
119	-3155	-3167	-3168	-3156	M	L	0.00	860.00	0.00
119	-3330	-3342	-3343	-3331	M	L	0.00	860.00	0.00
119	-3316	-3328	-3329	-3317	M	L	0.00	860.00	0.00
119	-3192	-3204	-3205	-3193	M	L	0.00	860.00	0.00
119	-3193	-3205	-3206	-3194	M	L	0.00	860.00	0.00
119	-3292	-3304	-3305	-3293	M	L	0.00	860.00	0.00
119	-3320	-3332	-3333	-3321	M	L	0.00	860.00	0.00
119	-3296	-3308	-3309	-3297	M	L	0.00	860.00	0.00
119	-3185	-3197	-3198	-3186	M	L	0.00	860.00	0.00
119	-3285	-3297	-3298	-3286	M	L	0.00	860.00	0.00
119	-3262	-3274	-1803	-1805	M	L	0.00	860.00	0.00
119	-3214	-3226	-1811	-1813	M	L	0.00	860.00	0.00
119	-3151	-3163	-3164	-3152	M	L	0.00	860.00	0.00
119	-3180	-3192	-3193	-3181	M	L	0.00	860.00	0.00
119	-3354	-1688	-1690	-3355	M	L	0.00	860.00	0.00
119	-3353	-1686	-1688	-3354	M	L	0.00	860.00	0.00
119	-3203	-3215	-3216	-3204	M	L	0.00	860.00	0.00
119	-3204	-3216	-3217	-3205	M	L	0.00	860.00	0.00
119	-3256	-3268	-3269	-3257	M	L	0.00	860.00	0.00
119	-3181	-3193	-3194	-3182	M	L	0.00	860.00	0.00
119	-3183	-3195	-3196	-3184	M	L	0.00	860.00	0.00

119	-3309	-3321	-3322	-3310	M	L	0.00	860.00	0.00
119	-3284	-3296	-3297	-3285	M	L	0.00	860.00	0.00
119	-3212	-3224	-3225	-3213	M	L	0.00	860.00	0.00
119	-3187	-3199	-3200	-3188	M	L	0.00	860.00	0.00
119	-3313	-3325	-3326	-3314	M	L	0.00	860.00	0.00
119	-3190	-3202	-1815	-1817	M	L	0.00	860.00	0.00
119	-3154	-3166	-1821	-1823	M	L	0.00	860.00	0.00
119	-3215	-3227	-3228	-3216	M	L	0.00	860.00	0.00
119	-3315	-3327	-3328	-3316	M	L	0.00	860.00	0.00
119	-3342	-3354	-3355	-3343	M	L	0.00	860.00	0.00
119	-3217	-3229	-3230	-3218	M	L	0.00	860.00	0.00
119	-3318	-3330	-3331	-3319	M	L	0.00	860.00	0.00
119	-3219	-3231	-3232	-3220	M	L	0.00	860.00	0.00
119	-3483	-3482	-3323	-3311	M	L	0.00	860.00	0.00
119	-3220	-3232	-3233	-3221	M	L	0.00	860.00	0.00
119	-3211	-3223	-3224	-3212	M	L	0.00	860.00	0.00
119	-3162	-3174	-3175	-3163	M	L	0.00	860.00	0.00
119	-3261	-3273	-3274	-3262	M	L	0.00	860.00	0.00
119	-3201	-3213	-3214	-3202	M	L	0.00	860.00	0.00
119	-3314	-3326	-3327	-3315	M	L	0.00	860.00	0.00
119	-3277	-3289	-3290	-3278	M	L	0.00	860.00	0.00
119	-3327	-3339	-3340	-3328	M	L	0.00	860.00	0.00
119	-3329	-3341	-3342	-3330	M	L	0.00	860.00	0.00
119	-3229	-3241	-3242	-3230	M	L	0.00	860.00	0.00
119	-3179	-3191	-3192	-3180	M	L	0.00	860.00	0.00
119	-3332	-3344	-3345	-3333	M	L	0.00	860.00	0.00
119	-3496	-3495	-3167	-3155	M	L	0.00	860.00	0.00
119	-3184	-3196	-3197	-3185	M	L	0.00	860.00	0.00
119	-36	-34	-3480	-3481	M	L	0.00	860.00	0.00
119	-3337	-3349	-3350	-3338	M	L	0.00	860.00	0.00
119	-3160	-3172	-3173	-3161	M	L	0.00	860.00	0.00
119	-3213	-3225	-3226	-3214	M	L	0.00	860.00	0.00
119	-3176	-3188	-3189	-3177	M	L	0.00	860.00	0.00
119	-3338	-3350	-3351	-3339	M	L	0.00	860.00	0.00
119	-52	-50	-3488	-3489	M	L	0.00	860.00	0.00
119	-3191	-3203	-3204	-3192	M	L	0.00	860.00	0.00
119	-3291	-3303	-3304	-3292	M	L	0.00	860.00	0.00
119	-3293	-3305	-3306	-3294	M	L	0.00	860.00	0.00
119	-3243	-3255	-3256	-3244	M	L	0.00	860.00	0.00
119	-3195	-3207	-3208	-3196	M	L	0.00	860.00	0.00
119	-3346	-3358	-1789	-1791	M	L	0.00	860.00	0.00
119	-34	4	-3479	-3480	M	L	0.00	860.00	0.00
119	-3347	-1674	-1676	-3348	M	L	0.00	860.00	0.00
119	-3173	-3185	-3186	-3174	M	L	0.00	860.00	0.00
119	-3336	-3348	-3349	-3337	M	L	0.00	860.00	0.00
119	-3339	-3351	-3352	-3340	M	L	0.00	860.00	0.00
119	-50	-48	-3487	-3488	M	L	0.00	860.00	0.00
119	-3153	-3165	-3166	-3154	M	L	0.00	860.00	0.00
119	-3252	-3264	-3265	-3253	M	L	0.00	860.00	0.00
119	-3253	-3265	-3266	-3254	M	L	0.00	860.00	0.00
119	-3254	-3266	-3267	-3255	M	L	0.00	860.00	0.00
119	-3356	-1692	-1694	-3357	M	L	0.00	860.00	0.00
119	-3156	-3168	-3169	-3157	M	L	0.00	860.00	0.00
119	-3333	-3345	-3346	-3334	M	L	0.00	860.00	0.00
119	-3208	-3220	-3221	-3209	M	L	0.00	860.00	0.00
119	-3210	-3222	-3223	-3211	M	L	0.00	860.00	0.00
119	-40	-38	-3482	-3483	M	L	0.00	860.00	0.00
119	-3260	-3272	-3273	-3261	M	L	0.00	860.00	0.00
119	-3175	-3187	-3188	-3176	M	L	0.00	860.00	0.00
119	-3163	-3175	-3176	-3164	M	L	0.00	860.00	0.00
119	-3164	-3176	-3177	-3165	M	L	0.00	860.00	0.00
119	-3165	-3177	-3178	-3166	M	L	0.00	860.00	0.00
119	-3166	-3178	-1819	-1821	M	L	0.00	860.00	0.00
119	-3241	-3253	-3254	-3242	M	L	0.00	860.00	0.00
119	-3268	-3280	-3281	-3269	M	L	0.00	860.00	0.00
119	-3481	-3480	-3347	-3335	M	L	0.00	860.00	0.00
119	-3270	-3282	-3283	-3271	M	L	0.00	860.00	0.00
119	-3169	-3181	-3182	-3170	M	L	0.00	860.00	0.00
119	-3271	-3283	-3284	-3272	M	L	0.00	860.00	0.00
119	-38	-36	-3481	-3482	M	L	0.00	860.00	0.00
119	-3485	-3484	-3299	-3287	M	L	0.00	860.00	0.00
119	-44	-42	-3484	-3485	M	L	0.00	860.00	0.00
119	-46	-44	-3485	-3486	M	L	0.00	860.00	0.00
119	-3489	-3488	-3251	-3239	M	L	0.00	860.00	0.00
119	-3177	-3189	-3190	-3178	M	L	0.00	860.00	0.00
119	-3491	-3490	-3227	-3215	M	L	0.00	860.00	0.00
119	-3278	-3290	-3291	-3279	M	L	0.00	860.00	0.00
119	-3492	-3491	-3215	-3203	M	L	0.00	860.00	0.00
119	-3279	-3291	-3292	-3280	M	L	0.00	860.00	0.00

119	-3495	-3494	-3179	-3167	M	L	0.00	860.00	0.00
119	-3281	-3293	-3294	-3282	M	L	0.00	860.00	0.00
119	-3232	-3244	-3245	-3233	M	L	0.00	860.00	0.00
119	-3283	-3295	-3296	-3284	M	L	0.00	860.00	0.00
119	-3234	-3246	-3247	-3235	M	L	0.00	860.00	0.00
119	-3186	-3198	-3199	-3187	M	L	0.00	860.00	0.00
119	-3236	-3248	-3249	-3237	M	L	0.00	860.00	0.00
119	-3188	-3200	-3201	-3189	M	L	0.00	860.00	0.00
119	-3288	-3300	-3301	-3289	M	L	0.00	860.00	0.00
119	-3189	-3201	-3202	-3190	M	L	0.00	860.00	0.00
119	-60	-58	-3492	-3493	M	L	0.00	860.00	0.00
119	-3290	-3302	-3303	-3291	M	L	0.00	860.00	0.00
119	-3317	-3329	-3330	-3318	M	L	0.00	860.00	0.00
119	-3343	-3355	-3356	-3344	M	L	0.00	860.00	0.00
119	-3294	-3306	-3307	-3295	M	L	0.00	860.00	0.00
119	-3194	-3206	-3207	-3195	M	L	0.00	860.00	0.00
119	-3295	-3307	-3308	-3296	M	L	0.00	860.00	0.00
119	-3197	-3209	-3210	-3198	M	L	0.00	860.00	0.00
119	-3348	-1676	-1678	-3349	M	L	0.00	860.00	0.00
119	-3174	-3186	-3187	-3175	M	L	0.00	860.00	0.00
119	-3250	-3262	-1805	-1807	M	L	0.00	860.00	0.00
119	-3300	-3312	-3313	-3301	M	L	0.00	860.00	0.00
119	-3202	-3214	-1813	-1815	M	L	0.00	860.00	0.00
119	-58	-56	-3491	-3492	M	L	0.00	860.00	0.00
119	-3303	-3315	-3316	-3304	M	L	0.00	860.00	0.00
119	-3304	-3316	-3317	-3305	M	L	0.00	860.00	0.00
119	-3305	-3317	-3318	-3306	M	L	0.00	860.00	0.00
119	-3206	-3218	-3219	-3207	M	L	0.00	860.00	0.00
119	-3307	-3319	-3320	-3308	M	L	0.00	860.00	0.00
119	-3308	-3320	-3321	-3309	M	L	0.00	860.00	0.00
119	-3358	-1696	14	-1789	M	L	0.00	860.00	0.00
119	-3209	-3221	-3222	-3210	M	L	0.00	860.00	0.00
119	-3159	-3171	-3172	-3160	M	L	0.00	860.00	0.00
119	-3286	-3298	-1799	-1801	M	L	0.00	860.00	0.00
119	-3161	-3173	-3174	-3162	M	L	0.00	860.00	0.00
119	-3237	-3249	-3250	-3238	M	L	0.00	860.00	0.00
119	-3263	-3275	-3276	-3264	M	L	0.00	860.00	0.00
119	-56	-54	-3490	-3491	M	L	0.00	860.00	0.00
119	-3264	-3276	-3277	-3265	M	L	0.00	860.00	0.00
119	-64	-62	-3494	-3495	M	L	0.00	860.00	0.00
119	-3167	-3179	-3180	-3168	M	L	0.00	860.00	0.00
119	-3218	-3230	-3231	-3219	M	L	0.00	860.00	0.00
119	-3482	-3481	-3335	-3323	M	L	0.00	860.00	0.00
119	-3245	-3257	-3258	-3246	M	L	0.00	860.00	0.00
119	-3221	-3233	-3234	-3222	M	L	0.00	860.00	0.00
119	-3323	-3335	-3336	-3324	M	L	0.00	860.00	0.00
119	-3223	-3235	-3236	-3224	M	L	0.00	860.00	0.00
119	-3324	-3336	-3337	-3325	M	L	0.00	860.00	0.00
119	-3325	-3337	-3338	-3326	M	L	0.00	860.00	0.00
119	-3328	-3340	-3341	-3329	M	L	0.00	860.00	0.00
119	-54	-52	-3489	-3490	M	L	0.00	860.00	0.00
119	-3228	-3240	-3241	-3229	M	L	0.00	860.00	0.00
119	-3227	-3239	-3240	-3228	M	L	0.00	860.00	0.00
119	-3355	-1690	-1692	-3356	M	L	0.00	860.00	0.00
119	-3230	-3242	-3243	-3231	M	L	0.00	860.00	0.00
119	-3231	-3243	-3244	-3232	M	L	0.00	860.00	0.00
119	-3158	-3170	-3171	-3159	M	L	0.00	860.00	0.00
119	-3334	-3346	-1791	-1793	M	L	0.00	860.00	0.00
119	-3259	-3271	-3272	-3260	M	L	0.00	860.00	0.00
119	-3335	-3347	-3348	-3336	M	L	0.00	860.00	0.00
119	-3235	-3247	-3248	-3236	M	L	0.00	860.00	0.00
119	-3238	-3250	-1807	-1809	M	L	0.00	860.00	0.00
119	-3287	-3299	-3300	-3288	M	L	0.00	860.00	0.00
119	-48	-46	-3486	-3487	M	L	0.00	860.00	0.00
119	-3239	-3251	-3252	-3240	M	L	0.00	860.00	0.00
119	-3341	-3353	-3354	-3342	M	L	0.00	860.00	0.00
119	-3216	-3228	-3229	-3217	M	L	0.00	860.00	0.00
119	-3242	-3254	-3255	-3243	M	L	0.00	860.00	0.00
119	-3269	-3281	-3282	-3270	M	L	0.00	860.00	0.00
119	-3345	-3357	-3358	-3346	M	L	0.00	860.00	0.00
119	-3207	-3219	-3220	-3208	M	L	0.00	860.00	0.00
119	-3246	-3258	-3259	-3247	M	L	0.00	860.00	0.00
119	-3247	-3259	-3260	-3248	M	L	0.00	860.00	0.00
119	-3248	-3260	-3261	-3249	M	L	0.00	860.00	0.00
119	-3349	-1678	-1680	-3350	M	L	0.00	860.00	0.00
119	-3150	-3162	-3163	-3151	M	L	0.00	860.00	0.00
119	-3351	-1682	-1684	-3352	M	L	0.00	860.00	0.00
119	-3152	-3164	-3165	-3153	M	L	0.00	860.00	0.00
119	-3352	-1684	-1686	-3353	M	L	0.00	860.00	0.00

119	-3240	-3252	-3253	-3241	M	L	0.00	860.00	0.00
119	-3266	-3278	-3279	-3267	M	L	0.00	860.00	0.00
119	-3205	-3217	-3218	-3206	M	L	0.00	860.00	0.00
119	-3357	-1694	-1696	-3358	M	L	0.00	860.00	0.00
119	-3168	-3180	-3181	-3169	M	L	0.00	860.00	0.00
119	-3257	-3269	-3270	-3258	M	L	0.00	860.00	0.00
119	-3258	-3270	-3271	-3259	M	L	0.00	860.00	0.00
119	-3172	-3184	-3185	-3173	M	L	0.00	860.00	0.00
119	-3273	-3285	-3286	-3274	M	L	0.00	860.00	0.00
119	-3487	-3486	-3275	-3263	M	L	0.00	860.00	0.00
119	-3488	-3487	-3263	-3251	M	L	0.00	860.00	0.00
119	-3275	-3287	-3288	-3276	M	L	0.00	860.00	0.00
119	-3265	-3277	-3278	-3266	M	L	0.00	860.00	0.00
119	-3178	-3190	-1817	-1819	M	L	0.00	860.00	0.00
119	-3302	-3314	-3315	-3303	M	L	0.00	860.00	0.00
119	-3267	-3279	-3280	-3268	M	L	0.00	860.00	0.00
119	-3480	-3479	-1674	-3347	M	L	0.00	860.00	0.00
119	-3306	-3318	-3319	-3307	M	L	0.00	860.00	0.00
119	-3157	-3169	-3170	-3158	M	L	0.00	860.00	0.00
119	-3486	-3485	-3287	-3275	M	L	0.00	860.00	0.00
119	-3196	-3208	-3209	-3197	M	L	0.00	860.00	0.00
119	-3297	-3309	-3310	-3298	M	L	0.00	860.00	0.00
119	-3199	-3211	-3212	-3200	M	L	0.00	860.00	0.00
119	-42	-40	-3483	-3484	M	L	0.00	860.00	0.00
119	-3200	-3212	-3213	-3201	M	L	0.00	860.00	0.00
119	-3276	-3288	-3289	-3277	M	L	0.00	860.00	0.00
119	-3289	-3301	-3302	-3290	M	L	0.00	860.00	0.00
119	-3226	-3238	-1809	-1811	M	L	0.00	860.00	0.00
119	-3490	-3489	-3239	-3227	M	L	0.00	860.00	0.00
119	-3494	-3493	-3191	-3179	M	L	0.00	860.00	0.00
119	-3222	-3234	-3235	-3223	M	L	0.00	860.00	0.00
119	-3244	-3256	-3257	-3245	M	L	0.00	860.00	0.00
119	-3233	-3245	-3246	-3234	M	L	0.00	860.00	0.00
119	-3301	-3313	-3314	-3302	M	L	0.00	860.00	0.00
119	-3484	-3483	-3311	-3299	M	L	0.00	860.00	0.00
119	-3272	-3284	-3285	-3273	M	L	0.00	860.00	0.00
119	-3198	-3210	-3211	-3199	M	L	0.00	860.00	0.00
119	-3224	-3236	-3237	-3225	M	L	0.00	860.00	0.00
119	-3350	-1680	-1682	-3351	M	L	0.00	860.00	0.00
119	-3225	-3237	-3238	-3226	M	L	0.00	860.00	0.00
119	-3274	-3286	-1801	-1803	M	L	0.00	860.00	0.00
119	-3251	-3263	-3264	-3252	M	L	0.00	860.00	0.00
119	-3170	-3182	-3183	-3171	M	L	0.00	860.00	0.00
119	-3255	-3267	-3268	-3256	M	L	0.00	860.00	0.00
119	-3326	-3338	-3339	-3327	M	L	0.00	860.00	0.00
119	-3299	-3311	-3312	-3300	M	L	0.00	860.00	0.00
119	-3249	-3261	-3262	-3250	M	L	0.00	860.00	0.00
119	-3298	-3310	-1797	-1799	M	L	0.00	860.00	0.00

Risultati del calcolo

Parametri di calcolo

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con:
ModeSt ver. 8.21, prodotto da Tecnisoft s.a.s. - Prato

La struttura è stata calcolata utilizzando come solutore agli elementi finiti:
Xfinest ver. 2019, prodotto da Ce.A.S. S.r.l. - Milano

Tipo di normativa: stati limite D.M. 18
Tipo di calcolo: analisi sismica statica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

Generazione combinazioni

- Lineari: Sì
- Valuta spostamenti e non sollecitazioni: No
- Buckling: No

Opzioni di calcolo

- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: No
- Uniformare i carichi variabili: No
- Massimizzare i carichi variabili: No
- Recupero carichi zone rigide: taglio e momento flettente
- Modalità di combinazione momento torcente: disaccoppiare le azioni

Opzioni del solutore

- Tipo di elemento bidimensionale: QF46
- Calcolo sforzo nei nodi: No
- Analisi dinamica con metodo di Lanczos: No
- Trascura deformabilità a taglio delle aste: Sì
- Check sequenza di Sturm: Sì
- Analisi non lineare con Newton modificato: No
- Usa formulazione secante per buckling: No
- Trascura buckling torsionale: No

Dati struttura

- Sito di costruzione: LON. 10.14033 LAT. 44.02090
  Contenuto tra ID reticolo: 18711 18933 18710 18932

Simbologia

TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
T_R = Periodo di ritorno <anni>
Ag = Accelerazione orizzontale massima al sito
Fo = Valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale
Tc* = Periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale <sec>
S_S = Coefficiente di amplificazione stratigrafica
C_C = Coefficiente funzione della categoria del suolo

TCC	T_R	Ag <g>	Fo	Tc*	S_S	C_C
SLV	949	0.1715	2.37	0.30	1.46	1.56

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 50.00
- Classe d'uso: Classe IV
- SL Esercizio: SLOPvr No, SLDPvr No
- SL Ultimi: SLVPvr 10.00, SLCPvr No
- Struttura dissipativa: No
- Quota di riferimento: -0.75 <m>
- Altezza della struttura: 5.75 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: No
- Edificio regolare in pianta: No
- Forze orizzontali convenzionali per stati limite non sismici: No
- Genera stati limite per verifiche di resistenza al fuoco: No

Dati di calcolo

- Categoria del suolo di fondazione: C
- Tipologia strutturale: c.a. o prefabbricata a telaio a più piani e più campate

Periodo T_1	0.30531
Coeff. λ SLV	1.00
Rapporto di sovraresistenza (α_u/α_1)	1.15
Valore di riferimento del fattore di comportamento (q_0)	3.45
Fattore riduttivo (K_w)	1.00
Fattore riduttivo regolarità in altezza (KR)	0.80
Fattore di comportamento dissipativo (q)	2.76
Fattore di comportamento non dissipativo (qND)	1.00
Fattore di comportamento per SLD (qD)	1.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Accelerazione di picco del terreno AgS: 0.2496 <g>
- Fattore di comportamento per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%

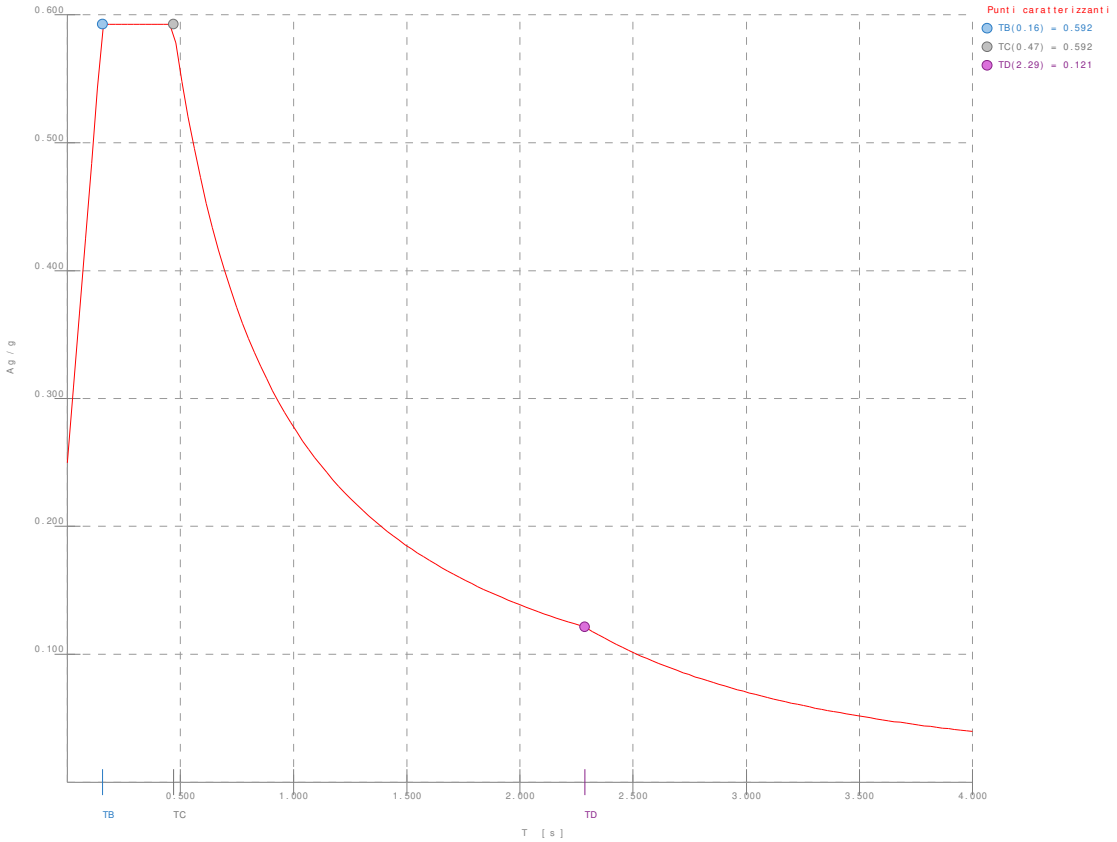

Figura numero 1: Spettro SND

- Angolo di ingresso del sisma: 0.00 <grad>
- Tipo di combinazione sismica: 30% esteso

Ambienti di carico
Simbologia
N =Numero
Comm. =Commento
1=peso proprio
2=Peso Terreno e Pav.
3=Spinta terreno statica
4=spinta sovraccarico
5=Spinta sismica tereno
6=SLU env max
7=SLU Env Min
8=SLE rara Max
9=SLE Rara min
10=SLE q. permanente
11=SLV +Y
12=SLV -Y
13=Spinta inerziale terreno
F =azioni orizzontali convenzionali
SLU =Stato limite ultimo
SLR =Stato limite per combinazioni rare
SLF =Stato limite per combinazioni frequenti
SLQ/D =Stato limite per combinazioni quasi permanenti o di danno
S = Sì
N = No

N	Comm.	1	2	3	4	5	6	7	8	9	10	11	12	13	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	N	N
2	Calcolo statico	S	S	S	S	S	S	S	S	S	S	S	S	S	N	S	S	S	S

Elenco combinazioni di carico simboliche

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente

SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)

CC	Comm.	TCC	1	2	3	4	5	6	7	8	9	10	11	12	13	S
1	Amb. 1 (Sisma)	SLU S	1	1	1	ψ_2	ψ_2	1	1	1	1	1	1	1	ψ_2	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	1	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	1	ψ_1	ψ_1	1	1	1	1	1	1	1	ψ_1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	1	ψ_2	ψ_2	1	1	1	1	1	1	1	ψ_2	-----

Genera le combinazioni con un solo carico di tipo variabile come di base: No

Considera sollecitazioni dinamiche con segno dei modi principali: No

Combinazioni delle CCE

Simbologia
CC =Numero della combinazione delle condizioni di carico elementari
Comm. =Commento
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
An. =Tipo di analisi
L = Lineare
NL = Non lineare
Bk =Buckling
S = Sì
N = No

CC	Comm.	TCC	An.	Bk	1	2	3	4	5	6	7	8	9	10	11	12	13	S X	S Y
1	Amb. 1 (SLU S) S +X+0.3Y	SND	L	N	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	1.00	0.30
2	Amb. 1 (SLU S) S +X-0.3Y	SND	L	N	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	1.00	-0.30
3	Amb. 1 (SLU S) S -X+0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00	1.00	-1.00	0.30
4	Amb. 1 (SLU S) S -X-0.3Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.00	-1.00	-0.30
5	Amb. 1 (SLU S) S +0.3X+Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.30	1.00
6	Amb. 1 (SLU S) S -0.3X+Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.30	-0.30	1.00
7	Amb. 1 (SLU S) S +0.3X-Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.30	-1.00
8	Amb. 1 (SLU S) S -0.3X-Y	SND	L	N	1.00	1.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.30	-0.30	-1.00
9	SLU Env max	SLU	L	N	1.30	1.50	1.50	1.35	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	SLU Env min	SLU	L	N	1.30	1.50	1.50	1.35	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	SLE Rara max	SLE R	L	N	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	SLE Rara min	SLE R	L	N	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
13	SLE Q.Permanente	SLE Q	L	N	1.00	1.00	1.00	0.40	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Elenco masse nodi

Simbologia
Nodo =Numero del nodo
Mo =Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-3524	128.91	-3523	245.17	-3522	257.82	-3521	270.48	-3520	257.82	-3519	257.82	-3518	227.78	-3517	197.74
-3516	237.12	-3515	276.50	-3514	278.95	-3513	281.39	-3512	211.04	-3511	140.70	-3510	211.04	-3509	281.39
-3508	281.39	-3507	281.39	-3506	281.39	-3505	281.39	-3504	281.39	-3503	281.39	-3502	281.39	-3501	281.39
-3500	281.39	-3499	281.39	-3498	281.39	-3497	281.39	-3496	281.39	-3495	281.39	-3494	281.39	-3493	281.39
-3492	281.39	-3491	281.39	-3490	281.39	-3489	281.39	-3488	281.39	-3487	281.39	-3486	281.39	-3485	281.39
-3484	281.39	-3483	281.39	-3482	281.39	-3481	281.39	-3480	281.39	-3479	266.60	-3478	251.80	-3477	251.80
-3476	271.12	-3475	251.80	-3474	232.48	-3473	125.90	-3472	74.51	-3471	137.99	-3470	132.47	-3469	137.31
-3468	136.64	-3467	477.40	-3466	818.16	-3465	818.16	-3464	818.16	-3463	818.16	-3462	818.16	-3461	818.16
-3460	818.16	-3459	818.16	-3458	818.16	-3457	818.16	-3456	818.16	-3455	818.16	-3454	818.16	-3453	818.16
-3452	818.16	-3451	808.85	-3450	811.10	-3449	817.07	-3448	814.82	-3447	817.07	-3446	816.52	-3445	808.85
-3444	809.40	-3443	818.16	-3442	818.16	-3441	818.16	-3440	818.16	-3439	818.16	-3438	818.16	-3437	818.16
-3436	818.16	-3435	613.62	-3434	409.08	-3433	613.62	-3432	818.16	-3431	818.16	-3430	818.16	-3429	818.16
-3428	477.80	-3427	137.45	-3426	137.45	-3425	131.78	-3424	137.45	-3423	74.40	-3414	95.77	-3413	95.51

-3412	95.58	-3411	95.66	-3410	95.73	-3409	95.81	-3408	95.89	-3407	95.96	-3406	96.04	-3405	96.11
-3404	96.19	-3403	96.27	-3402	92.39	-3401	88.47	-3400	88.47	-3399	88.47	-3398	88.47	-3397	88.47
-3396	88.47	-3395	88.47	-3394	88.47	-3393	88.47	-3392	88.47	-3391	88.47	-3390	88.47	-3389	88.47
-3388	88.47	-3387	88.47	-3386	88.47	-3377	273.44	-3376	269.90	-3375	270.71	-3374	271.51	-3373	272.32
-3372	273.12	-3371	273.93	-3370	86.82	-3369	85.17	-3368	85.17	-3367	85.17	-3366	316.88	-3365	98.19
-3364	165.85	-3363	165.85	-3362	165.85	-3361	165.85	-3360	360.44	-3358	192.53	-3357	192.38	-3356	192.23
-3355	192.08	-3354	191.93	-3353	191.77	-3352	191.62	-3351	191.47	-3350	191.31	-3349	191.16	-3348	191.01
-3347	191.54	-3346	192.53	-3345	192.38	-3344	192.23	-3343	192.08	-3342	191.93	-3341	191.77	-3340	191.62
-3339	191.47	-3338	191.31	-3337	191.16	-3336	191.01	-3335	191.54	-3334	192.53	-3333	192.38	-3332	192.23
-3331	192.08	-3330	191.93	-3329	191.77	-3328	191.62	-3327	191.47	-3326	191.31	-3325	191.16	-3324	191.01
-3323	191.54	-3322	192.53	-3321	192.38	-3320	192.23	-3319	192.08	-3318	191.93	-3317	191.77	-3316	191.62
-3315	191.47	-3314	191.31	-3313	191.16	-3312	191.01	-3311	191.54	-3310	192.53	-3309	192.38	-3308	192.23
-3307	192.08	-3306	191.93	-3305	191.77	-3304	191.62	-3303	191.47	-3302	191.31	-3301	191.16	-3300	191.01
-3299	191.54	-3298	192.53	-3297	192.38	-3296	192.23	-3295	192.08	-3294	191.93	-3293	191.77	-3292	191.62
-3291	191.47	-3290	191.31	-3289	191.16	-3288	191.01	-3287	191.54	-3286	192.53	-3285	192.38	-3284	192.23
-3283	192.08	-3282	191.93	-3281	191.77	-3280	191.62	-3279	191.47	-3278	191.31	-3277	191.16	-3276	191.01
-3275	191.54	-3274	192.53	-3273	192.38	-3272	192.23	-3271	192.08	-3270	191.93	-3269	191.77	-3268	191.62
-3267	191.47	-3266	191.31	-3265	191.16	-3264	191.01	-3263	191.54	-3262	192.53	-3261	192.38	-3260	192.23
-3259	192.08	-3258	191.93	-3257	191.77	-3256	191.62	-3255	191.47	-3254	191.31	-3253	191.16	-3252	191.01
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-3243	191.47	-3242	191.31	-3241	191.16	-3240	191.01	-3239	191.54	-3238	192.53	-3237	192.38	-3236	192.23
-3235	192.08	-3234	191.93	-3233	191.77	-3232	191.62	-3231	191.47	-3230	191.31	-3229	191.16	-3228	191.01
-3227	191.54	-3226	192.53	-3225	192.38	-3224	192.23	-3223	192.08	-3222	191.93	-3221	191.77	-3220	191.62
-3219	191.47	-3218	191.31	-3217	191.16	-3216	191.01	-3215	191.54	-3214	192.53	-3213	192.38	-3212	192.23
-3211	192.08	-3210	191.93	-3209	191.77	-3208	191.62	-3207	191.47	-3206	191.31	-3205	191.16	-3204	191.01
-3203	191.54	-3202	192.53	-3201	192.38	-3200	192.23	-3199	192.08	-3198	191.93	-3197	191.77	-3196	191.62
-3195	191.47	-3194	191.31	-3193	191.16	-3192	191.01	-3191	191.54	-3190	192.53	-3189	192.38	-3188	192.23
-3187	192.08	-3186	191.93	-3185	191.77	-3184	191.62	-3183	191.47	-3182	191.31	-3181	191.16	-3180	191.01
-3179	191.54	-3178	192.53	-3177	192.38	-3176	192.23	-3175	192.08	-3174	191.92	-3173	191.77	-3172	191.62
-3171	191.47	-3170	191.31	-3169	191.16	-3168	191.01	-3167	191.54	-3166	192.53	-3165	192.38	-3164	192.23
-3163	192.08	-3162	191.93	-3161	191.77	-3160	191.62	-3159	191.47	-3158	191.31	-3157	191.16	-3156	191.01
-3155	191.54	-3154	192.53	-3153	192.38	-3152	192.23	-3151	192.08	-3150	191.93	-3149	191.77	-3148	191.62
-3147	191.47	-3146	191.31	-3145	191.16	-3144	191.01	-3143	191.54	-3142	192.53	-3141	192.38	-3140	192.23
-3139	192.08	-3138	191.93	-3137	191.77	-3136	191.62	-3135	191.47	-3134	191.31	-3133	191.16	-3132	191.01
-3131	191.54	-3130	192.53	-3129	192.38	-3128	192.23	-3127	192.08	-3126	191.93	-3125	191.77	-3124	191.62
-3123	191.47	-3122	191.31	-3121	191.16	-3120	191.01	-3119	191.54	-3118	192.53	-3117	192.38	-3116	192.23
-3115	192.08	-3114	191.93	-3113	191.77	-3112	191.62	-3111	191.47	-3110	191.31	-3109	191.16	-3108	191.01
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-3099	191.47	-3098	191.31	-3097	191.16	-3096	191.01	-3095	191.54	-3094	192.53	-3093	192.38	-3092	192.23
-3091	192.08	-3090	191.93	-3089	191.77	-3088	191.62	-3087	191.47	-3086	191.31	-3085	191.16	-3084	191.01
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-3027	191.47	-3026	191.31	-3025	191.16	-3024	191.01	-3023	191.54	-3022	192.53	-3021	192.38	-3020	192.23
-3019	192.08	-3018	191.93	-3017	191.77	-3016	191.62	-3015	191.47	-3014	191.31	-3013	191.16	-3012	191.01
-3011	191.54	-3010	192.53	-3009	192.38	-3008	192.23	-3007	192.08	-3006	191.93	-3005	191.77	-3004	191.62
-3003	191.47	-3002	191.31	-3001	191.16	-3000	191.01	-2999	191.54	-2998	144.40	-2997	144.29	-2996	144.17
-2995	144.06	-2994	143.94	-2993	143.83	-2992	143.72	-2991	143.60	-2990	143.49	-2989	143.37	-2988	143.26
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-2979	143.60	-2978	143.49	-2977	143.37	-2976	143.26	-2975	143.65	-2974	192.53	-2973	192.38	-2972	192.23
-2971	192.08	-2970	191.93	-2969	191.77	-2968	191.62	-2967	191.47	-2966	191.31	-2965	191.16	-2964	191.01
-2963	191.54	-2962	156.10	-2961	151.62	-2960	155.17	-2959	158.73	-2958	162.28	-2957	165.83	-2956	169.39
-2955	172.94	-2954	176.49	-2953	180.05	-2952	183.60	-2951	187.51	-2950	103.60	-2949	110.86	-2948	118.12
-2947	125.38	-2946	132.64	-2945	139.90	-2944	147.15	-2943	154.41	-2942	161.67	-2941	168.93	-2940	176.19
-2939	183.49	-2938	137.78	-2937	147.10	-2936	148.40	-2935	149.69	-2934	150.99	-2933	152.28	-2932	153.58
-2931	154.87	-2930	156.17	-2929	157.46	-2928	158.76	-2927	160.50	-2926	188.02	-2925	183.35	-2924	178.68
-2923	174.01	-2922	169.34	-2921	164.67	-2920	160.00	-2919	155.34	-2918	150.67	-2917	146.00	-2916	141.33
-2915	137.52	-2913	549.47	-2912	547.86	-2911	546.25	-2910	544.64	-2909	543.03	-2908	541.41	-2907	539.80
-2906	546.88	-2905	549.47	-2904	547.86	-2903	546.25	-2902	544.64	-2901	543.03	-2900	541.41	-2899	539.80
-2898	546.88	-2897	549.47	-2896	547.86	-2895	546.25	-2894	544.64	-2893	543.03	-2892	541.41	-2891	539.80
-2890	546.88	-2889	527.42	-2888	547.86	-2887	546.25	-2886	544.64	-2885	543.03	-2884	541.41	-2883	539.80
-2882	546.88	-2881	411.13	-2880	410.89	-2879	409.69	-2878	408.48	-2877	407.27	-2876	406.06	-2875	404.85
-2874	410.16	-2873	413.09	-2872	410.89	-2871	409.69	-2870	408.48	-2869	407.27	-2868	406.06	-2867	404.85
-2866	410.16	-2865	529.38	-2864	547.86	-2863	546.25	-2862	544.64	-2861	543.03	-2860	541.41	-2859	539.80
-2858	546.88	-2857	549.47	-2856	547.86	-2855	546.25	-2854	544.64	-2853	543.03	-2852	541.41	-2851	539.80
-2850	546.88	-2849	549.47	-2848	547.86	-2847	546.25	-2846	544.64	-2845	543.03	-2844	541.41	-2843	539.80
-2842	546.88	-2841	551.19	-2840	547.86	-2839	546.25	-2838	544.64	-2837	543.03	-2836	541.41	-2835	539.80
-2834	546.88	-2833	549.48	-2832	547.86	-2831	546.25	-2830	544.64	-2829	543.03	-2828	541.41	-2827	539.80
-2826	546.88	-2825	546.12	-2824	547.86	-2823	546.25	-2822	544.64	-2821	543.03	-2820	541.41	-2819	539.80
-2818	546.88	-2817	549.47	-2816	547.86	-2815	546.25	-2814	544.64	-2813	543.03	-2812	541.41	-2811	539.80
-2810	546.88	-2809	551.10	-2808	547.86	-2807	546.25	-2806	544.64	-2805	543.02	-2804	541.41	-2803	539.80
-2802	546.88	-2801	446.35	-2800	457.62	-2799	468.90	-2798	480.18	-2797	491.46	-2796	502.74	-2795	514.02
-2794	532.75	-2793	439.90	-2792	451.98	-2791	464.07	-2790	476.15	-2789	488.24	-2788	500.32	-2787	512.41
-2786	531.86	-2785	532.03	-2784	530.94	-2783	531.75	-2782	532.55	-2781	533.36	-2780	534.16	-2779	534.97
-2778	544.23	-2777	536.58	-2776	536.58	-2775	536.58	-2774	536.58	-2773	536.58	-2772	536.58	-2771	536.58

-2770	545.12	-2769	537.02	-2768	538.11	-2767	537.30	-2766	536.50	-2765	535.69	-2764	534.89	-2763	534.08
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-2754	545.12	-2753	437.56	-2752	450.46	-2751	463.35	-2750	476.24	-2749	489.13	-2748	502.02	-2747	514.91
-2746	534.80	-2745	439.90	-2744	451.99	-2743	464.07	-2742	476.15	-2741	488.24	-2740	500.32	-2739	512.41
-2738	531.87	-2737	549.47	-2736	547.86	-2735	546.25	-2734	544.64	-2733	543.03	-2732	541.41	-2731	539.80
-2730	546.88	-2729	552.17	-2728	547.86	-2727	546.25	-2726	544.64	-2725	543.02	-2724	541.41	-2723	539.80
-2722	546.88	-2721	549.48	-2720	547.86	-2719	546.25	-2718	544.64	-2717	543.03	-2716	541.41	-2715	539.80
-2714	546.88	-2713	546.76	-2712	547.86	-2711	546.25	-2710	544.64	-2709	543.03	-2708	541.41	-2707	539.80
-2706	546.88	-2705	549.47	-2704	547.86	-2703	546.25	-2702	544.64	-2701	543.03	-2700	541.41	-2699	539.80
-2698	546.88	-2697	549.47	-2696	547.86	-2695	546.25	-2694	544.64	-2693	543.02	-2692	541.41	-2691	539.80
-2690	546.88	-2689	549.47	-2688	547.86	-2687	546.25	-2686	544.64	-2685	543.03	-2684	541.41	-2683	539.80
-2682	546.88	-2681	574.86	-2680	547.86	-2679	546.25	-2678	544.64	-2677	543.03	-2676	541.41	-2675	539.80
-2674	546.88	-2673	549.47	-2672	547.86	-2671	546.25	-2670	544.64	-2669	543.03	-2668	541.41	-2667	539.80
-2666	546.88	-2665	546.12	-2664	547.86	-2663	546.25	-2662	544.64	-2661	543.03	-2660	541.41	-2659	539.80
-2658	546.88	-2657	549.47	-2656	547.86	-2655	546.25	-2654	544.64	-2653	543.03	-2652	541.41	-2651	539.80
-2650	546.88	-2649	527.42	-2648	547.86	-2647	546.25	-2646	544.64	-2645	543.03	-2644	541.41	-2643	539.80
-2642	546.88	-2641	549.47	-2640	547.86	-2639	546.25	-2638	544.64	-2637	543.03	-2636	541.41	-2635	539.80
-2634	546.88	-2633	549.47	-2632	547.86	-2631	546.25	-2630	544.64	-2629	543.03	-2628	541.41	-2627	539.80
-2626	546.88	-2625	549.47	-2624	547.86	-2623	546.25	-2622	544.64	-2621	543.03	-2620	541.41	-2619	539.80
-2618	546.88	-2616	170.34	-2615	170.34	-2614	170.34	-2613	170.34	-2612	170.33	-2611	170.33	-2610	170.33
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-1617	83.70	-1616	83.70	-1615	83.70	-1614	83.70	-1613	83.70	-1612	83.70	-1611	83.70	-1610	83.70
-1609	83.70	-1608	83.70	-1607	83.70	-1606	83.70	-1605	83.70	-1604	83.70	-1603	127.02	-1602	41.85
-1601	127.02	-1600	41.85	-1599	127.02	-1598	41.85	-1597	127.02	-1596	41.85	-1595	41.85	-1594	86.99
-1593	41.85	-1592	86.99	-1591	41.85	-1590	86.98	-1589	41.85	-1588	86.97	-1587	174.79	-1586	174.79
-1585	174.79	-1584	174.79	-1583	174.79	-1582	174.79	-1581	174.79	-1580	174.79	-1579	174.79	-1578	174.79
-1577	174.79	-1576	174.10	-1575	174.79	-1574	174.79	-1573	174.79	-1572	174.79	-1571	174.79	-1570	174.79
-1569	174.79	-1568	174.79	-1567	174.79	-1566	174.79	-1565	174.79	-1564	175.41	-1563	174.79	-1562	174.79
-1561	174.79	-1560	174.79	-1559	174.79	-1558	174.79	-1557	174.79	-1556	174.79	-1555	174.79	-1554	174.79
-1553	174.79	-1552	176.71	-1551	174.79	-1550	174.79	-1549	174.79	-1548	174.79	-1547	174.79	-1546	174.79
-1545	174.79	-1544	174.79	-1543	174.79	-1542	174.79	-1541	174.79	-1540	175.41	-1539	174.80	-1538	174.80
-1537	174.80	-1536	174.80	-1535	174.80	-1534	174.80	-1533	174.80	-1532	174.80	-1531	174.80	-1530	174.80
-1529	174.80	-1528	175.41	-1527	181.41	-1526	87.40	-1525	179.07	-1524	87.40	-1523	176.74	-1522	87.40
-1521	174.40	-1520	87.40	-1519	172.07	-1518	87.40	-1517	169.74	-1516	87.40	-1515	167.40	-1514	87.40
-1513	165.07	-1512	87.40	-1511	162.73	-1510	87.40	-1509	160.40	-1508	87.40	-1507	158.06	-1506	87.40
-1505	156.47	-1504	87.70	-1503	87.40	-1502	87.40	-1501	87.40	-1500	87.40	-1499	87.40	-1498	90.27

-1497	90.27	-1496	90.27	-1495	90.27	-1494	90.27	-1493	90.27	-1492	90.27	-1491	91.70	-1490	90.27
-1489	90.27	-1488	90.27	-1487	90.27	-1486	90.27	-1485	90.27	-1484	90.27	-1483	91.12	-1482	90.27
-1481	90.27	-1480	90.27	-1479	90.27	-1478	90.27	-1477	90.27	-1476	90.27	-1475	91.70	-1474	90.27
-1473	90.27	-1472	90.27	-1471	90.27	-1470	90.27	-1469	90.27	-1468	90.27	-1467	91.70	-1466	319.87
-1465	45.13	-1464	319.06	-1463	45.13	-1462	318.26	-1461	45.13	-1460	317.45	-1459	45.13	-1458	316.64
-1457	45.13	-1456	315.84	-1455	45.13	-1454	315.03	-1453	45.13	-1452	319.29	-1451	46.43	-1450	83.70
-1449	83.70	-1448	83.70	-1447	83.70	-1446	83.70	-1445	83.70	-1444	83.70	-1443	83.70	-1442	83.70
-1441	83.70	-1440	83.70	-1439	83.70	-1438	83.70	-1437	83.70	-1436	83.70	-1435	83.70	-1434	127.02
-1433	41.85	-1432	127.02	-1431	41.85	-1430	127.02	-1429	41.85	-1428	127.02	-1427	41.85	-1426	41.85
-1425	86.98	-1424	41.85	-1423	86.98	-1422	41.85	-1421	86.98	-1420	41.85	-1419	86.98	14	135.07
103	135.72	105	223.71	117	223.71	118	42.68	119	43.49	120	43.70	121	43.49	205	107.74
217	107.74	219	20.93	221	20.93	244	267.77	245	290.55	246	272.90	247	360.46	251	351.22
252	351.22	261	360.45	262	360.44	263	360.44								

Totali masse nodi

Mo <kg>
489384.00

Elenco forze sismiche nodali allo SND

Simbologia

Nodo = Numero del nodo
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Fx = Forza in dir. X
Fy = Forza in dir. Y

Nodo	cx	cy	Fx <daN>	Fy <daN>	Nodo	cx	cy	Fx <daN>	Fy <daN>	Nodo	cx	cy	Fx <daN>	Fy <daN>
-3524	0.00	0.00	16.24	16.24	-3523	0.00	0.00	30.89	30.89	-3522	0.00	0.00	32.49	32.49
-3521	0.00	0.00	34.08	34.08	-3520	0.00	0.00	32.49	32.49	-3519	0.00	0.00	32.49	32.49
-3518	0.00	0.00	28.70	28.70	-3517	0.00	0.00	24.92	24.92	-3516	0.00	0.00	29.88	29.88
-3515	0.00	0.00	34.84	34.84	-3514	0.00	0.00	35.15	35.15	-3513	0.00	0.00	35.46	35.46
-3512	0.00	0.00	26.59	26.59	-3511	0.00	0.00	17.73	17.73	-3510	0.00	0.00	26.59	26.59
-3509	0.00	0.00	35.46	35.46	-3508	0.00	0.00	35.46	35.46	-3507	0.00	0.00	35.46	35.46
-3506	0.00	0.00	35.46	35.46	-3505	0.00	0.00	35.46	35.46	-3504	0.00	0.00	35.46	35.46
-3503	0.00	0.00	35.46	35.46	-3502	0.00	0.00	35.46	35.46	-3501	0.00	0.00	35.46	35.46
-3500	0.00	0.00	35.46	35.46	-3499	0.00	0.00	35.46	35.46	-3498	0.00	0.00	35.46	35.46
-3497	0.00	0.00	35.46	35.46	-3496	0.00	0.00	35.46	35.46	-3495	0.00	0.00	35.46	35.46
-3494	0.00	0.00	35.46	35.46	-3493	0.00	0.00	35.46	35.46	-3492	0.00	0.00	35.46	35.46
-3491	0.00	0.00	35.46	35.46	-3490	0.00	0.00	35.46	35.46	-3489	0.00	0.00	35.46	35.46
-3488	0.00	0.00	35.46	35.46	-3487	0.00	0.00	35.46	35.46	-3486	0.00	0.00	35.46	35.46
-3485	0.00	0.00	35.46	35.46	-3484	0.00	0.00	35.46	35.46	-3483	0.00	0.00	35.46	35.46
-3482	0.00	0.00	35.46	35.46	-3481	0.00	0.00	35.46	35.46	-3480	0.00	0.00	35.46	35.46
-3479	0.00	0.00	33.59	33.59	-3478	0.00	0.00	31.73	31.73	-3477	0.00	0.00	31.73	31.73
-3476	0.00	0.00	34.16	34.16	-3475	0.00	0.00	31.73	31.73	-3474	0.00	0.00	29.29	29.29
-3473	0.00	0.00	15.86	15.86	-3472	0.00	0.00	9.28	9.28	-3471	0.00	0.00	17.18	17.18
-3470	0.00	0.00	16.49	16.49	-3469	0.00	0.00	17.09	17.09	-3468	0.00	0.00	17.01	17.01
-3467	0.00	0.00	59.43	59.43	-3466	0.00	0.00	101.85	101.85	-3465	0.00	0.00	101.85	101.85
-3464	0.00	0.00	101.85	101.85	-3463	0.00	0.00	101.85	101.85	-3462	0.00	0.00	101.85	101.85
-3461	0.00	0.00	101.85	101.85	-3460	0.00	0.00	101.85	101.85	-3459	0.00	0.00	101.85	101.85
-3458	0.00	0.00	101.85	101.85	-3457	0.00	0.00	101.85	101.85	-3456	0.00	0.00	101.85	101.85
-3455	0.00	0.00	101.85	101.85	-3454	0.00	0.00	101.85	101.85	-3453	0.00	0.00	101.85	101.85
-3452	0.00	0.00	101.85	101.85	-3451	0.00	0.00	100.69	100.69	-3450	0.00	0.00	100.97	100.97
-3449	0.00	0.00	101.72	101.72	-3448	0.00	0.00	101.44	101.44	-3447	0.00	0.00	101.72	101.72
-3446	0.00	0.00	101.65	101.65	-3445	0.00	0.00	100.69	100.69	-3444	0.00	0.00	100.76	100.76
-3443	0.00	0.00	101.85	101.85	-3442	0.00	0.00	101.85	101.85	-3441	0.00	0.00	101.85	101.85
-3440	0.00	0.00	101.85	101.85	-3439	0.00	0.00	101.85	101.85	-3438	0.00	0.00	101.85	101.85
-3437	0.00	0.00	101.85	101.85	-3436	0.00	0.00	101.85	101.85	-3435	0.00	0.00	76.39	76.39
-3434	0.00	0.00	50.93	50.93	-3433	0.00	0.00	76.39	76.39	-3432	0.00	0.00	101.85	101.85
-3431	0.00	0.00	101.85	101.85	-3430	0.00	0.00	101.85	101.85	-3429	0.00	0.00	101.85	101.85
-3428	0.00	0.00	59.48	59.48	-3427	0.00	0.00	17.11	17.11	-3426	0.00	0.00	17.11	17.11
-3425	0.00	0.00	16.40	16.40	-3424	0.00	0.00	17.11	17.11	-3423	0.00	0.00	9.26	9.26
-3414	0.00	0.00	18.32	18.32	-3413	0.00	0.00	24.46	24.46	-3412	0.00	0.00	30.68	30.68
-3411	0.00	0.00	36.91	36.91	-3410	0.00	0.00	43.15	43.15	-3409	0.00	0.00	49.40	49.40
-3408	0.00	0.00	55.65	55.65	-3407	0.00	0.00	61.92	61.92	-3406	0.00	0.00	68.20	68.20
-3405	0.00	0.00	74.48	74.48	-3404	0.00	0.00	80.78	80.78	-3403	0.00	0.00	87.09	87.09
-3402	0.00	0.00	89.58	89.58	-3401	0.00	0.00	85.77	85.77	-3400	0.00	0.00	85.77	85.77
-3399	0.00	0.00	85.77	85.77	-3398	0.00	0.00	85.77	85.77	-3397	0.00	0.00	85.77	85.77
-3396	0.00	0.00	85.77	85.77	-3395	0.00	0.00	85.77	85.77	-3394	0.00	0.00	85.77	85.77
-3393	0.00	0.00	85.77	85.77	-3392	0.00	0.00	85.77	85.77	-3391	0.00	0.00	85.77	85.77
-3390	0.00	0.00	85.77	85.77	-3389	0.00	0.00	85.77	85.77	-3388	0.00	0.00	85.77	85.77
-3387	0.00	0.00	85.77	85.77	-3386	0.00	0.00	85.77	85.77	-3377	0.00	0.00	51.48	51.48
-3376	0.00	0.00	67.50	67.50	-3375	0.00	0.00	84.44	84.44	-3374	0.00	0.00	101.48	101.48
-3373	0.00	0.00	118.62	118.62	-3372	0.00	0.00	135.85	135.85	-3371	0.00	0.00	153.19	153.19
-3370	0.00	0.00	84.17	84.17	-3369	0.00	0.00	77.69	77.69	-3368	0.00	0.00	72.81	72.81
-3367	0.00	0.00	67.92	67.92	-3366	0.00	0.00	196.80	196.80	-3365	0.00	0.00	72.68	72.68
-3364	0.00	0.00	151.29	151.29	-3363	0.00	0.00	141.78	141.78	-3362	0.00	0.00	132.27	132.27

-3361	0.00	0.00	122.76	122.76
-3357	0.00	0.00	161.56	161.56
-3354	0.00	0.00	123.84	123.84
-3351	0.00	0.00	86.30	86.30
-3348	0.00	0.00	48.93	48.93
-3345	0.00	0.00	161.56	161.56
-3342	0.00	0.00	123.84	123.84
-3339	0.00	0.00	86.30	86.30
-3336	0.00	0.00	48.93	48.93
-3333	0.00	0.00	161.56	161.56
-3330	0.00	0.00	123.84	123.84
-3327	0.00	0.00	86.30	86.30
-3324	0.00	0.00	48.93	48.93
-3321	0.00	0.00	161.56	161.56
-3318	0.00	0.00	123.84	123.84
-3315	0.00	0.00	86.30	86.30
-3312	0.00	0.00	48.93	48.93
-3309	0.00	0.00	161.56	161.56
-3306	0.00	0.00	123.84	123.84
-3303	0.00	0.00	86.30	86.30
-3300	0.00	0.00	48.93	48.93
-3297	0.00	0.00	161.56	161.56
-3294	0.00	0.00	123.84	123.84
-3291	0.00	0.00	86.30	86.30
-3288	0.00	0.00	48.93	48.93
-3285	0.00	0.00	161.56	161.56
-3282	0.00	0.00	123.84	123.84
-3279	0.00	0.00	86.30	86.30
-3276	0.00	0.00	48.93	48.93
-3273	0.00	0.00	161.56	161.56
-3270	0.00	0.00	123.84	123.84
-3267	0.00	0.00	86.30	86.30
-3264	0.00	0.00	48.93	48.93
-3261	0.00	0.00	161.56	161.56
-3258	0.00	0.00	123.84	123.84
-3255	0.00	0.00	86.30	86.30
-3252	0.00	0.00	48.93	48.93
-3249	0.00	0.00	161.56	161.56
-3246	0.00	0.00	123.84	123.84
-3243	0.00	0.00	86.30	86.30
-3240	0.00	0.00	48.93	48.93
-3237	0.00	0.00	161.56	161.56
-3234	0.00	0.00	123.84	123.84
-3231	0.00	0.00	86.30	86.30
-3228	0.00	0.00	48.93	48.93
-3225	0.00	0.00	161.56	161.56
-3222	0.00	0.00	123.84	123.84
-3219	0.00	0.00	86.30	86.30
-3216	0.00	0.00	48.93	48.93
-3213	0.00	0.00	161.56	161.56
-3210	0.00	0.00	123.84	123.84
-3207	0.00	0.00	86.30	86.30
-3204	0.00	0.00	48.93	48.93
-3201	0.00	0.00	161.56	161.56
-3198	0.00	0.00	123.84	123.84
-3195	0.00	0.00	86.30	86.30
-3192	0.00	0.00	48.93	48.93
-3189	0.00	0.00	161.56	161.56
-3186	0.00	0.00	123.84	123.84
-3183	0.00	0.00	86.30	86.30
-3180	0.00	0.00	48.93	48.93
-3177	0.00	0.00	161.56	161.56
-3174	0.00	0.00	123.84	123.84
-3171	0.00	0.00	86.30	86.30
-3168	0.00	0.00	48.93	48.93
-3165	0.00	0.00	161.56	161.56
-3162	0.00	0.00	123.84	123.84
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-3156	0.00	0.00	48.93	48.93
-3153	0.00	0.00	161.56	161.56
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-3147	0.00	0.00	86.30	86.30
-3144	0.00	0.00	48.93	48.93
-3141	0.00	0.00	161.56	161.56
-3138	0.00	0.00	123.84	123.84
-3135	0.00	0.00	86.30	86.30
-3132	0.00	0.00	48.93	48.93
-3129	0.00	0.00	161.56	161.56
-3126	0.00	0.00	123.84	123.84

-3360	0.00	0.00	246.13	246.13
-3356	0.00	0.00	148.97	148.97
-3353	0.00	0.00	111.31	111.31
-3350	0.00	0.00	73.82	73.82
-3347	0.00	0.00	36.64	36.64
-3344	0.00	0.00	148.97	148.97
-3341	0.00	0.00	111.31	111.31
-3338	0.00	0.00	73.82	73.82
-3335	0.00	0.00	36.64	36.64
-3332	0.00	0.00	148.97	148.97
-3329	0.00	0.00	111.31	111.31
-3326	0.00	0.00	73.82	73.82
-3323	0.00	0.00	36.64	36.64
-3320	0.00	0.00	148.97	148.97
-3317	0.00	0.00	111.31	111.31
-3314	0.00	0.00	73.82	73.82
-3311	0.00	0.00	36.64	36.64
-3308	0.00	0.00	148.97	148.97
-3305	0.00	0.00	111.31	111.31
-3302	0.00	0.00	73.82	73.82
-3299	0.00	0.00	36.64	36.64
-3296	0.00	0.00	148.97	148.97
-3293	0.00	0.00	111.31	111.31
-3290	0.00	0.00	73.82	73.82
-3287	0.00	0.00	36.64	36.64
-3284	0.00	0.00	148.97	148.97
-3281	0.00	0.00	111.31	111.31
-3278	0.00	0.00	73.82	73.82
-3275	0.00	0.00	36.64	36.64
-3272	0.00	0.00	148.97	148.97
-3269	0.00	0.00	111.31	111.31
-3266	0.00	0.00	73.82	73.82
-3263	0.00	0.00	36.64	36.64
-3260	0.00	0.00	148.97	148.97
-3257	0.00	0.00	111.31	111.31
-3254	0.00	0.00	73.82	73.82
-3251	0.00	0.00	36.64	36.64
-3248	0.00	0.00	148.97	148.97
-3245	0.00	0.00	111.31	111.31
-3242	0.00	0.00	73.82	73.82
-3239	0.00	0.00	36.64	36.64
-3236	0.00	0.00	148.97	148.97
-3233	0.00	0.00	111.31	111.31
-3230	0.00	0.00	73.82	73.82
-3227	0.00	0.00	36.64	36.64
-3224	0.00	0.00	148.97	148.97
-3221	0.00	0.00	111.31	111.31
-3218	0.00	0.00	73.82	73.82
-3215	0.00	0.00	36.64	36.64
-3212	0.00	0.00	148.97	148.97
-3209	0.00	0.00	111.31	111.31
-3206	0.00	0.00	73.82	73.82
-3203	0.00	0.00	36.64	36.64
-3200	0.00	0.00	148.97	148.97
-3197	0.00	0.00	111.31	111.31
-3194	0.00	0.00	73.82	73.82
-3191	0.00	0.00	36.64	36.64
-3188	0.00	0.00	148.97	148.97
-3185	0.00	0.00	111.31	111.31
-3182	0.00	0.00	73.82	73.82
-3179	0.00	0.00	36.64	36.64
-3176	0.00	0.00	148.97	148.97
-3173	0.00	0.00	111.31	111.31
-3170	0.00	0.00	73.82	73.82
-3167	0.00	0.00	36.64	36.64
-3164	0.00	0.00	148.97	148.97
-3161	0.00	0.00	111.31	111.31
-3158	0.00	0.00	73.82	73.82
-3155	0.00	0.00	36.64	36.64
-3152	0.00	0.00	148.97	148.97
-3149	0.00	0.00	111.31	111.31
-3146	0.00	0.00	73.82	73.82
-3143	0.00	0.00	36.64	36.64
-3140	0.00	0.00	148.97	148.97
-3137	0.00	0.00	111.31	111.31
-3134	0.00	0.00	73.82	73.82
-3131	0.00	0.00	36.64	36.64
-3128	0.00	0.00	148.97	148.97
-3125	0.00	0.00	111.31	111.31

-3358	0.00	0.00	174.18	174.18
-3355	0.00	0.00	136.40	136.40
-3352	0.00	0.00	98.79	98.79
-3349	0.00	0.00	61.36	61.36
-3346	0.00	0.00	174.18	174.18
-3343	0.00	0.00	136.40	136.40
-3340	0.00	0.00	98.79	98.79
-3337	0.00	0.00	61.36	61.36
-3334	0.00	0.00	174.18	174.18
-3331	0.00	0.00	136.40	136.40
-3328	0.00	0.00	98.79	98.79
-3325	0.00	0.00	61.36	61.36
-3322	0.00	0.00	174.18	174.18
-3319	0.00	0.00	136.40	136.40
-3316	0.00	0.00	98.79	98.79
-3313	0.00	0.00	61.36	61.36
-3310	0.00	0.00	174.18	174.18
-3307	0.00	0.00	136.40	136.40
-3304	0.00	0.00	98.79	98.79
-3301	0.00	0.00	61.36	61.36
-3298	0.00	0.00	174.18	174.18
-3295	0.00	0.00	136.40	136.40
-3292	0.00	0.00	98.79	98.79
-3289	0.00	0.00	61.36	61.36
-3286	0.00	0.00	174.18	174.18
-3283	0.00	0.00	136.40	136.40
-3280	0.00	0.00	98.79	98.79
-3277	0.00	0.00	61.36	61.36
-3274	0.00	0.00	174.18	174.18
-3271	0.00	0.00	136.40	136.40
-3268	0.00	0.00	98.79	98.79
-3265	0.00	0.00	61.36	61.36
-3262	0.00	0.00	174.18	174.18
-3259	0.00	0.00	136.40	136.40
-3256	0.00	0.00	98.79	98.79
-3253	0.00	0.00	61.36	61.36
-3250	0.00	0.00	174.18	174.18
-3247	0.00	0.00	136.40	136.40
-3244	0.00	0.00	98.79	98.79
-3241	0.00	0.00	61.36	61.36
-3238	0.00	0.00	174.18	174.18
-3235	0.00	0.00	136.40	136.40
-3232	0.00	0.00	98.79	98.79
-3229	0.00	0.00	61.36	61.36
-3226	0.00	0.00	174.18	174.18
-3223	0.00	0.00	136.40	136.40
-3220	0.00	0.00	98.79	98.79
-3217	0.00	0.00	61.36	61.36
-3214	0.00	0.00	174.18	174.18
-3211	0.00	0.00	136.40	136.40
-3208	0.00	0.00	98.79	98.79
-3205	0.00	0.00	61.36	61.36
-3202	0.00	0.00	174.18	174.18
-3199	0.00	0.00	136.40	136.40
-3196	0.00	0.00	98.79	98.79
-3193	0.00	0.00	61.36	61.36
-3190	0.00	0.00	174.18	174.18
-3187	0.00	0.00	136.40	136.40
-3184	0.00	0.00	98.79	98.79
-3181	0.00	0.00	61.36	61.36
-3178	0.00	0.00	174.18	174.18
-3175	0.00	0.00	136.40	136.40
-3172	0.00	0.00	98.79	98.79
-3169	0.00	0.00	61.36	61.36
-3166	0.00	0.00	174.18	174.18
-3163	0.00	0.00	136.40	136.40
-3160	0.00	0.00	98.79	98.79
-3157	0.00	0.00	61.36	61.36
-3154	0.00	0.00	174.18	174.18
-3151	0.00	0.00	136.40	136.40
-3148	0.00	0.00	98.79	98.79
-3145	0.00	0.00	61.36	61.36
-3142	0.00	0.00	174.18	174.18
-3139	0.00	0.00	136.40	136.40
-3136	0.00	0.00	98.79	98.79
-3133	0.00	0.00	61.36	61.36
-3130	0.00	0.00	174.18	174.18
-3127	0.00	0.00	136.40	136.40
-3124	0.00	0.00	98.79	98.79

-3123	0.00	0.00	86.30	86.30
-3120	0.00	0.00	48.93	48.93
-3117	0.00	0.00	161.56	161.56
-3114	0.00	0.00	123.84	123.84
-3111	0.00	0.00	86.30	86.30
-3108	0.00	0.00	48.93	48.93
-3105	0.00	0.00	161.56	161.56
-3102	0.00	0.00	123.84	123.84
-3099	0.00	0.00	86.30	86.30
-3096	0.00	0.00	48.93	48.93
-3093	0.00	0.00	161.56	161.56
-3090	0.00	0.00	123.84	123.84
-3087	0.00	0.00	86.30	86.30
-3084	0.00	0.00	48.93	48.93
-3081	0.00	0.00	161.56	161.56
-3078	0.00	0.00	123.84	123.84
-3075	0.00	0.00	86.30	86.30
-3072	0.00	0.00	48.93	48.93
-3069	0.00	0.00	161.56	161.56
-3066	0.00	0.00	123.84	123.84
-3063	0.00	0.00	86.30	86.30
-3060	0.00	0.00	48.93	48.93
-3057	0.00	0.00	161.56	161.56
-3054	0.00	0.00	123.84	123.84
-3051	0.00	0.00	86.30	86.30
-3048	0.00	0.00	48.93	48.93
-3045	0.00	0.00	161.56	161.56
-3042	0.00	0.00	123.84	123.84
-3039	0.00	0.00	86.30	86.30
-3036	0.00	0.00	48.93	48.93
-3033	0.00	0.00	161.56	161.56
-3030	0.00	0.00	123.84	123.84
-3027	0.00	0.00	86.30	86.30
-3024	0.00	0.00	48.93	48.93
-3021	0.00	0.00	161.56	161.56
-3018	0.00	0.00	123.84	123.84
-3015	0.00	0.00	86.30	86.30
-3012	0.00	0.00	48.93	48.93
-3009	0.00	0.00	161.56	161.56
-3006	0.00	0.00	123.84	123.84
-3003	0.00	0.00	86.30	86.30
-3000	0.00	0.00	48.93	48.93
-2997	0.00	0.00	121.17	121.17
-2994	0.00	0.00	92.88	92.88
-2991	0.00	0.00	64.72	64.72
-2988	0.00	0.00	36.70	36.70
-2985	0.00	0.00	121.17	121.17
-2982	0.00	0.00	92.88	92.88
-2979	0.00	0.00	64.72	64.72
-2976	0.00	0.00	36.70	36.70
-2973	0.00	0.00	161.56	161.56
-2970	0.00	0.00	123.84	123.84
-2967	0.00	0.00	86.30	86.30
-2964	0.00	0.00	48.93	48.93
-2961	0.00	0.00	127.33	127.33
-2958	0.00	0.00	104.71	104.71
-2955	0.00	0.00	77.95	77.95
-2952	0.00	0.00	47.03	47.03
-2949	0.00	0.00	93.10	93.10
-2946	0.00	0.00	85.59	85.59
-2943	0.00	0.00	69.59	69.59
-2940	0.00	0.00	45.13	45.13
-2937	0.00	0.00	123.54	123.54
-2934	0.00	0.00	97.43	97.43
-2931	0.00	0.00	69.80	69.80
-2928	0.00	0.00	40.67	40.67
-2925	0.00	0.00	153.98	153.98
-2922	0.00	0.00	109.27	109.27
-2919	0.00	0.00	70.01	70.01
-2916	0.00	0.00	36.20	36.20
-2912	0.00	0.00	306.38	306.38
-2909	0.00	0.00	202.96	202.96
-2906	0.00	0.00	102.97	102.97
-2903	0.00	0.00	271.70	271.70
-2900	0.00	0.00	168.88	168.88
-2897	0.00	0.00	341.25	341.25
-2894	0.00	0.00	237.23	237.23
-2891	0.00	0.00	135.01	135.01
-2888	0.00	0.00	306.38	306.38

-3122	0.00	0.00	73.82	73.82
-3119	0.00	0.00	36.64	36.64
-3116	0.00	0.00	148.97	148.97
-3113	0.00	0.00	111.31	111.31
-3110	0.00	0.00	73.82	73.82
-3107	0.00	0.00	36.64	36.64
-3104	0.00	0.00	148.97	148.97
-3101	0.00	0.00	111.31	111.31
-3098	0.00	0.00	73.82	73.82
-3095	0.00	0.00	36.64	36.64
-3092	0.00	0.00	148.97	148.97
-3089	0.00	0.00	111.31	111.31
-3086	0.00	0.00	73.82	73.82
-3083	0.00	0.00	36.64	36.64
-3080	0.00	0.00	148.97	148.97
-3077	0.00	0.00	111.31	111.31
-3074	0.00	0.00	73.82	73.82
-3071	0.00	0.00	36.64	36.64
-3068	0.00	0.00	148.97	148.97
-3065	0.00	0.00	111.31	111.31
-3062	0.00	0.00	73.82	73.82
-3059	0.00	0.00	36.64	36.64
-3056	0.00	0.00	148.97	148.97
-3053	0.00	0.00	111.31	111.31
-3050	0.00	0.00	73.82	73.82
-3047	0.00	0.00	36.64	36.64
-3044	0.00	0.00	148.97	148.97
-3041	0.00	0.00	111.31	111.31
-3038	0.00	0.00	73.82	73.82
-3035	0.00	0.00	36.64	36.64
-3032	0.00	0.00	148.97	148.97
-3029	0.00	0.00	111.31	111.31
-3026	0.00	0.00	73.82	73.82
-3023	0.00	0.00	36.64	36.64
-3020	0.00	0.00	148.97	148.97
-3017	0.00	0.00	111.31	111.31
-3014	0.00	0.00	73.82	73.82
-3011	0.00	0.00	36.64	36.64
-3008	0.00	0.00	148.97	148.97
-3005	0.00	0.00	111.31	111.31
-3002	0.00	0.00	73.82	73.82
-2999	0.00	0.00	36.64	36.64
-2996	0.00	0.00	111.73	111.73
-2993	0.00	0.00	83.48	83.48
-2990	0.00	0.00	55.37	55.37
-2987	0.00	0.00	27.48	27.48
-2984	0.00	0.00	111.73	111.73
-2981	0.00	0.00	83.48	83.48
-2978	0.00	0.00	55.37	55.37
-2975	0.00	0.00	27.48	27.48
-2972	0.00	0.00	148.97	148.97
-2969	0.00	0.00	111.31	111.31
-2966	0.00	0.00	73.82	73.82
-2963	0.00	0.00	36.64	36.64
-2960	0.00	0.00	120.25	120.25
-2957	0.00	0.00	96.25	96.25
-2954	0.00	0.00	68.10	68.10
-2951	0.00	0.00	35.87	35.87
-2948	0.00	0.00	91.54	91.54
-2945	0.00	0.00	81.20	81.20
-2942	0.00	0.00	62.38	62.38
-2939	0.00	0.00	35.10	35.10
-2936	0.00	0.00	115.00	115.00
-2933	0.00	0.00	88.39	88.39
-2930	0.00	0.00	60.26	60.26
-2927	0.00	0.00	30.71	30.71
-2924	0.00	0.00	138.47	138.47
-2921	0.00	0.00	95.58	95.58
-2918	0.00	0.00	58.14	58.14
-2915	0.00	0.00	26.31	26.31
-2911	0.00	0.00	271.70	271.70
-2908	0.00	0.00	168.88	168.88
-2905	0.00	0.00	341.25	341.25
-2902	0.00	0.00	237.23	237.23
-2899	0.00	0.00	135.01	135.01
-2896	0.00	0.00	306.38	306.38
-2893	0.00	0.00	202.96	202.96
-2890	0.00	0.00	102.97	102.97
-2887	0.00	0.00	271.70	271.70

-3121	0.00	0.00	61.36	61.36
-3118	0.00	0.00	174.18	174.18
-3115	0.00	0.00	136.40	136.40
-3112	0.00	0.00	98.79	98.79
-3109	0.00	0.00	61.36	61.36
-3106	0.00	0.00	174.18	174.18
-3103	0.00	0.00	136.40	136.40
-3100	0.00	0.00	98.79	98.79
-3097	0.00	0.00	61.36	61.36
-3094	0.00	0.00	174.18	174.18
-3091	0.00	0.00	136.40	136.40
-3088	0.00	0.00	98.79	98.79
-3085	0.00	0.00	61.36	61.36
-3082	0.00	0.00	174.18	174.18
-3079	0.00	0.00	136.40	136.40
-3076	0.00	0.00	98.79	98.79
-3073	0.00	0.00	61.36	61.36
-3070	0.00	0.00	174.18	174.18
-3067	0.00	0.00	136.40	136.40
-3064	0.00	0.00	98.79	98.79
-3061	0.00	0.00	61.36	61.36
-3058	0.00	0.00	174.18	174.18
-3055	0.00	0.00	136.40	136.40
-3052	0.00	0.00	98.79	98.79
-3049	0.00	0.00	61.36	61.36
-3046	0.00	0.00	174.18	174.18
-3043	0.00	0.00	136.40	136.40
-3040	0.00	0.00	98.79	98.79
-3037	0.00	0.00	61.36	61.36
-3034	0.00	0.00	174.18	174.18
-3031	0.00	0.00	136.40	136.40
-3028	0.00	0.00	98.79	98.79
-3025	0.00	0.00	61.36	61.36
-3022	0.00	0.00	174.18	174.18
-3019	0.00	0.00	136.40	136.40
-3016	0.00	0.00	98.79	98.79
-3013	0.00	0.00	61.36	61.36
-3010	0.00	0.00	174.18	174.18
-3007	0.00	0.00	136.40	136.40
-3004	0.00	0.00	98.79	98.79
-3001	0.00	0.00	61.36	61.36
-2998	0.00	0.00	130.63	130.63
-2995	0.00	0.00	102.30	102.30
-2992	0.00	0.00	74.09	74.09
-2989	0.00	0.00	46.02	46.02
-2986	0.00	0.00	130.63	130.63
-2983	0.00	0.00	102.30	102.30
-2980	0.00	0.00	74.09	74.09
-2977	0.00	0.00	46.02	46.02
-2974	0.00	0.00	174.18	174.18
-2971	0.00	0.00	136.40	136.40
-2968	0.00	0.00	98.79	98.79
-2965	0.00	0.00	61.36	61.36
-2962	0.00	0.00	141.21	141.21
-2959	0.00	0.00	112.71	112.71
-2956	0.00	0.00	87.33	87.33
-2953	0.00	0.00	57.80	57.80
-2950	0.00	0.00	93.72	93.72
-2947	0.00	0.00	89.03	89.03
-2944	0.00	0.00	75.87	75.87
-2941	0.00	0.00	54.23	54.23
-2938	0.00	0.00	124.64	124.64
-2935	0.00	0.00	106.30	106.30
-2932	0.00	0.00	79.18	79.18
-2929	0.00	0.00	50.55	50.55
-2926	0.00	0.00	170.09	170.09
-2923	0.00	0.00	123.57	123.57
-2920	0.00	0.00	82.49	82.49
-2917	0.00	0.00	46.87	46.87
-2913	0.00	0.00	341.25	341.25
-2910	0.00	0.00	237.23	237.23
-2907	0.00	0.00	135.01	135.01
-2904	0.00	0.00	306.38	306.38
-2901	0.00	0.00	202.96	202.96
-2898	0.00	0.00	102.97	102.97
-2895	0.00	0.00	271.70	271.70
-2892	0.00	0.00	168.88	168.88
-2889	0.00	0.00	327.56	327.56
-2886	0.00	0.00	237.23	237.23

-2885	0.00	0.00	202.96	202.96
-2882	0.00	0.00	102.97	102.97
-2879	0.00	0.00	203.78	203.78
-2876	0.00	0.00	126.66	126.66
-2873	0.00	0.00	256.55	256.55
-2870	0.00	0.00	177.92	177.92
-2867	0.00	0.00	101.26	101.26
-2864	0.00	0.00	306.38	306.38
-2861	0.00	0.00	202.96	202.96
-2858	0.00	0.00	102.97	102.97
-2855	0.00	0.00	271.70	271.70
-2852	0.00	0.00	168.88	168.88
-2849	0.00	0.00	341.25	341.25
-2846	0.00	0.00	237.23	237.23
-2843	0.00	0.00	135.01	135.01
-2840	0.00	0.00	306.38	306.38
-2837	0.00	0.00	202.96	202.96
-2834	0.00	0.00	102.97	102.97
-2831	0.00	0.00	271.70	271.70
-2828	0.00	0.00	168.88	168.88
-2825	0.00	0.00	339.17	339.17
-2822	0.00	0.00	237.23	237.23
-2819	0.00	0.00	135.01	135.01
-2816	0.00	0.00	306.38	306.38
-2813	0.00	0.00	202.96	202.96
-2810	0.00	0.00	102.97	102.97
-2807	0.00	0.00	271.70	271.70
-2804	0.00	0.00	168.88	168.88
-2801	0.00	0.00	277.20	277.20
-2798	0.00	0.00	209.16	209.16
-2795	0.00	0.00	128.56	128.56
-2792	0.00	0.00	252.76	252.76
-2789	0.00	0.00	182.48	182.48
-2786	0.00	0.00	100.14	100.14
-2783	0.00	0.00	264.49	264.49
-2780	0.00	0.00	166.62	166.62
-2777	0.00	0.00	333.24	333.24
-2774	0.00	0.00	233.72	233.72
-2771	0.00	0.00	134.20	134.20
-2768	0.00	0.00	300.93	300.93
-2765	0.00	0.00	200.22	200.22
-2762	0.00	0.00	102.08	102.08
-2759	0.00	0.00	266.90	266.90
-2756	0.00	0.00	167.38	167.38
-2753	0.00	0.00	271.75	271.75
-2750	0.00	0.00	207.44	207.44
-2747	0.00	0.00	128.78	128.78
-2744	0.00	0.00	252.76	252.76
-2741	0.00	0.00	182.48	182.48
-2738	0.00	0.00	100.14	100.14
-2735	0.00	0.00	271.70	271.70
-2732	0.00	0.00	168.88	168.88
-2729	0.00	0.00	342.93	342.93
-2726	0.00	0.00	237.23	237.23
-2723	0.00	0.00	135.01	135.01
-2720	0.00	0.00	306.38	306.38
-2717	0.00	0.00	202.96	202.96
-2714	0.00	0.00	102.97	102.97
-2711	0.00	0.00	271.70	271.70
-2708	0.00	0.00	168.88	168.88
-2705	0.00	0.00	341.25	341.25
-2702	0.00	0.00	237.23	237.23
-2699	0.00	0.00	135.01	135.01
-2696	0.00	0.00	306.38	306.38
-2693	0.00	0.00	202.96	202.96
-2690	0.00	0.00	102.97	102.97
-2687	0.00	0.00	271.70	271.70
-2684	0.00	0.00	168.88	168.88
-2681	0.00	0.00	357.02	357.02
-2678	0.00	0.00	237.23	237.23
-2675	0.00	0.00	135.01	135.01
-2672	0.00	0.00	306.38	306.38
-2669	0.00	0.00	202.96	202.96
-2666	0.00	0.00	102.97	102.97
-2663	0.00	0.00	271.70	271.70
-2660	0.00	0.00	168.88	168.88
-2657	0.00	0.00	341.25	341.25
-2654	0.00	0.00	237.23	237.23
-2651	0.00	0.00	135.01	135.01

-2884	0.00	0.00	168.88	168.88
-2881	0.00	0.00	255.33	255.33
-2878	0.00	0.00	177.92	177.92
-2875	0.00	0.00	101.26	101.26
-2872	0.00	0.00	229.78	229.78
-2869	0.00	0.00	152.22	152.22
-2866	0.00	0.00	77.23	77.23
-2863	0.00	0.00	271.70	271.70
-2860	0.00	0.00	168.88	168.88
-2857	0.00	0.00	341.25	341.25
-2854	0.00	0.00	237.23	237.23
-2851	0.00	0.00	135.01	135.01
-2848	0.00	0.00	306.38	306.38
-2845	0.00	0.00	202.96	202.96
-2842	0.00	0.00	102.97	102.97
-2839	0.00	0.00	271.70	271.70
-2836	0.00	0.00	168.88	168.88
-2833	0.00	0.00	341.25	341.25
-2830	0.00	0.00	237.23	237.23
-2827	0.00	0.00	135.01	135.01
-2824	0.00	0.00	306.38	306.38
-2821	0.00	0.00	202.96	202.96
-2818	0.00	0.00	102.97	102.97
-2815	0.00	0.00	271.70	271.70
-2812	0.00	0.00	168.88	168.88
-2809	0.00	0.00	342.26	342.26
-2806	0.00	0.00	237.23	237.23
-2803	0.00	0.00	135.01	135.01
-2800	0.00	0.00	255.91	255.91
-2797	0.00	0.00	183.69	183.69
-2794	0.00	0.00	100.31	100.31
-2791	0.00	0.00	230.83	230.83
-2788	0.00	0.00	156.07	156.07
-2785	0.00	0.00	330.42	330.42
-2782	0.00	0.00	231.97	231.97
-2779	0.00	0.00	133.80	133.80
-2776	0.00	0.00	300.07	300.07
-2773	0.00	0.00	200.55	200.55
-2770	0.00	0.00	102.64	102.64
-2767	0.00	0.00	267.26	267.26
-2764	0.00	0.00	166.85	166.85
-2761	0.00	0.00	333.24	333.24
-2758	0.00	0.00	233.72	233.72
-2755	0.00	0.00	134.20	134.20
-2752	0.00	0.00	251.91	251.91
-2749	0.00	0.00	182.81	182.81
-2746	0.00	0.00	100.69	100.69
-2743	0.00	0.00	230.83	230.83
-2740	0.00	0.00	156.07	156.07
-2737	0.00	0.00	341.25	341.25
-2734	0.00	0.00	237.23	237.23
-2731	0.00	0.00	135.01	135.01
-2728	0.00	0.00	306.38	306.38
-2725	0.00	0.00	202.96	202.96
-2722	0.00	0.00	102.97	102.97
-2719	0.00	0.00	271.70	271.70
-2716	0.00	0.00	168.88	168.88
-2713	0.00	0.00	339.57	339.57
-2710	0.00	0.00	237.23	237.23
-2707	0.00	0.00	135.01	135.01
-2704	0.00	0.00	306.38	306.38
-2701	0.00	0.00	202.96	202.96
-2698	0.00	0.00	102.97	102.97
-2695	0.00	0.00	271.70	271.70
-2692	0.00	0.00	168.88	168.88
-2689	0.00	0.00	341.25	341.25
-2686	0.00	0.00	237.23	237.23
-2683	0.00	0.00	135.01	135.01
-2680	0.00	0.00	306.38	306.38
-2677	0.00	0.00	202.96	202.96
-2674	0.00	0.00	102.97	102.97
-2671	0.00	0.00	271.70	271.70
-2668	0.00	0.00	168.88	168.88
-2665	0.00	0.00	339.17	339.17
-2662	0.00	0.00	237.23	237.23
-2659	0.00	0.00	135.01	135.01
-2656	0.00	0.00	306.38	306.38
-2653	0.00	0.00	202.96	202.96
-2650	0.00	0.00	102.97	102.97

-2883	0.00	0.00	135.01	135.01
-2880	0.00	0.00	229.78	229.78
-2877	0.00	0.00	152.22	152.22
-2874	0.00	0.00	77.23	77.23
-2871	0.00	0.00	203.78	203.78
-2868	0.00	0.00	126.66	126.66
-2865	0.00	0.00	328.77	328.77
-2862	0.00	0.00	237.23	237.23
-2859	0.00	0.00	135.01	135.01
-2856	0.00	0.00	306.38	306.38
-2853	0.00	0.00	202.96	202.96
-2850	0.00	0.00	102.97	102.97
-2847	0.00	0.00	271.70	271.70
-2844	0.00	0.00	168.88	168.88
-2841	0.00	0.00	342.31	342.31
-2838	0.00	0.00	237.23	237.23
-2835	0.00	0.00	135.01	135.01
-2832	0.00	0.00	306.38	306.38
-2829	0.00	0.00	202.96	202.96
-2826	0.00	0.00	102.97	102.97
-2823	0.00	0.00	271.70	271.70
-2820	0.00	0.00	168.88	168.88
-2817	0.00	0.00	341.25	341.25
-2814	0.00	0.00	237.23	237.23
-2811	0.00	0.00	135.01	135.01
-2808	0.00	0.00	306.38	306.38
-2805	0.00	0.00	202.96	202.96
-2802	0.00	0.00	102.97	102.97
-2799	0.00	0.00	233.23	233.23
-2796	0.00	0.00	156.82	156.82
-2793	0.00	0.00	273.20	273.20
-2790	0.00	0.00	207.40	207.40
-2787	0.00	0.00	128.16	128.16
-2784	0.00	0.00	296.92	296.92
-2781	0.00	0.00	199.34	199.34
-2778	0.00	0.00	102.47	102.47
-2775	0.00	0.00	266.89	266.89
-2772	0.00	0.00	167.38	167.38
-2769	0.00	0.00	333.52	333.52
-2766	0.00	0.00	233.69	233.69
-2763	0.00	0.00	133.58	133.58
-2760	0.00	0.00	300.07	300.07
-2757	0.00	0.00	200.55	200.55
-2754	0.00	0.00	102.64	102.64
-2751	0.00	0.00	230.47	230.47
-2748	0.00	0.00	156.59	156.59
-2745	0.00	0.00	273.20	273.20
-2742	0.00	0.00	207.40	207.40
-2739	0.00	0.00	128.16	128.16
-2736	0.00	0.00	306.38	306.38
-2733	0.00	0.00	202.96	202.96
-2730	0.00	0.00	102.97	102.97
-2727	0.00	0.00	271.70	271.70
-2724	0.00	0.00	168.88	168.88
-2721	0.00	0.00	341.25	341.25
-2718	0.00	0.00	237.23	237.23
-2715	0.00	0.00	135.01	135.01
-2712	0.00	0.00	306.38	306.38
-2709	0.00	0.00	202.96	202.96
-2706	0.00	0.00	102.97	102.97
-2703	0.00	0.00	271.70	271.70
-2700	0.00	0.00	168.88	168.88
-2697	0.00	0.00	341.25	341.25
-2694	0.00	0.00	237.23	237.23
-2691	0.00	0.00	135.01	135.01
-2688	0.00	0.00	306.38	306.38
-2685	0.00	0.00	202.96	202.96
-2682	0.00	0.00	102.97	102.97
-2679	0.00	0.00	271.70	271.70
-2676	0.00	0.00	168.88	168.88
-2673	0.00	0.00	341.25	341.25
-2670	0.00	0.00	237.23	237.23
-2667	0.00	0.00	135.01	135.01
-2664	0.00	0.00	306.38	306.38
-2661	0.00	0.00	202.96	202.96
-2658	0.00	0.00	102.97	102.97
-2655	0.00	0.00	271.70	271.70
-2652	0.00	0.00	168.88	168.88
-2649	0.00	0.00	327.56	327.56

-2648	0.00	0.00	306.38	306.38
-2645	0.00	0.00	202.96	202.96
-2642	0.00	0.00	102.97	102.97
-2639	0.00	0.00	271.70	271.70
-2636	0.00	0.00	168.88	168.88
-2633	0.00	0.00	341.25	341.25
-2630	0.00	0.00	237.23	237.23
-2627	0.00	0.00	135.01	135.01
-2624	0.00	0.00	306.38	306.38
-2621	0.00	0.00	202.96	202.96
-2618	0.00	0.00	102.97	102.97
-2614	0.00	0.00	135.85	135.85
-2611	0.00	0.00	145.61	145.61
-2608	0.00	0.00	155.38	155.38
-2605	0.00	0.00	126.08	126.08
-2602	0.00	0.00	135.85	135.85
-2599	0.00	0.00	109.21	109.21
-2596	0.00	0.00	116.53	116.53
-2593	0.00	0.00	94.78	94.78
-2590	0.00	0.00	135.85	135.85
-2587	0.00	0.00	145.61	145.61
-2584	0.00	0.00	155.38	155.38
-2581	0.00	0.00	126.08	126.08
-2578	0.00	0.00	135.85	135.85
-2575	0.00	0.00	145.61	145.61
-2572	0.00	0.00	155.38	155.38
-2569	0.00	0.00	125.31	125.31
-2566	0.00	0.00	135.85	135.85
-2563	0.00	0.00	145.61	145.61
-2560	0.00	0.00	122.67	122.67
-2557	0.00	0.00	99.54	99.54
-2554	0.00	0.00	105.46	105.46
-2551	0.00	0.00	142.87	142.87
-2548	0.00	0.00	161.77	161.77
-2545	0.00	0.00	120.88	120.88
-2542	0.00	0.00	132.27	132.27
-2539	0.00	0.00	112.21	112.21
-2536	0.00	0.00	120.62	120.62
-2533	0.00	0.00	97.88	97.88
-2530	0.00	0.00	135.85	135.85
-2527	0.00	0.00	145.61	145.61
-2524	0.00	0.00	155.38	155.38
-2521	0.00	0.00	126.08	126.08
-2518	0.00	0.00	135.85	135.85
-2515	0.00	0.00	145.61	145.61
-2512	0.00	0.00	155.38	155.38
-2509	0.00	0.00	126.08	126.08
-2506	0.00	0.00	135.85	135.85
-2503	0.00	0.00	145.61	145.61
-2500	0.00	0.00	155.38	155.38
-2497	0.00	0.00	126.07	126.07
-2494	0.00	0.00	135.85	135.85
-2491	0.00	0.00	145.61	145.61
-2488	0.00	0.00	155.38	155.38
-2485	0.00	0.00	121.04	121.04
-2482	0.00	0.00	135.85	135.85
-2479	0.00	0.00	145.61	145.61
-2476	0.00	0.00	155.38	155.38
-2473	0.00	0.00	126.08	126.08
-2470	0.00	0.00	246.13	246.13
-2465	0.00	0.00	246.13	246.13
-2461	0.00	0.00	240.14	240.14
-2457	0.00	0.00	192.60	192.60
-2453	0.00	0.00	191.28	191.28
-2450	0.00	0.00	250.97	250.97
-2446	0.00	0.00	246.13	246.13
-2442	0.00	0.00	240.14	240.14
-2438	0.00	0.00	246.13	246.13
-2435	0.00	0.00	171.55	171.55
-2432	0.00	0.00	128.66	128.66
-2429	0.00	0.00	171.55	171.55
-2426	0.00	0.00	171.55	171.55
-2423	0.00	0.00	171.55	171.55
-2420	0.00	0.00	171.55	171.55
-2417	0.00	0.00	171.55	171.55
-2414	0.00	0.00	171.55	171.55
-2411	0.00	0.00	171.55	171.55
-2408	0.00	0.00	171.55	171.55
-2405	0.00	0.00	171.55	171.55

-2647	0.00	0.00	271.70	271.70
-2644	0.00	0.00	168.88	168.88
-2641	0.00	0.00	341.25	341.25
-2638	0.00	0.00	237.23	237.23
-2635	0.00	0.00	135.01	135.01
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-2629	0.00	0.00	202.96	202.96
-2626	0.00	0.00	102.97	102.97
-2623	0.00	0.00	271.70	271.70
-2620	0.00	0.00	168.88	168.88
-2616	0.00	0.00	155.38	155.38
-2613	0.00	0.00	126.08	126.08
-2610	0.00	0.00	135.85	135.85
-2607	0.00	0.00	145.61	145.61
-2604	0.00	0.00	155.38	155.38
-2601	0.00	0.00	121.03	121.03
-2598	0.00	0.00	101.89	101.89
-2595	0.00	0.00	109.21	109.21
-2592	0.00	0.00	155.38	155.38
-2589	0.00	0.00	121.48	121.48
-2586	0.00	0.00	135.85	135.85
-2583	0.00	0.00	145.61	145.61
-2580	0.00	0.00	155.38	155.38
-2577	0.00	0.00	126.47	126.47
-2574	0.00	0.00	135.85	135.85
-2571	0.00	0.00	145.61	145.61
-2568	0.00	0.00	155.38	155.38
-2565	0.00	0.00	126.08	126.08
-2562	0.00	0.00	135.85	135.85
-2559	0.00	0.00	114.96	114.96
-2556	0.00	0.00	120.62	120.62
-2553	0.00	0.00	97.88	97.88
-2550	0.00	0.00	133.28	133.28
-2547	0.00	0.00	139.61	139.61
-2544	0.00	0.00	151.29	151.29
-2541	0.00	0.00	122.76	122.76
-2538	0.00	0.00	104.69	104.69
-2535	0.00	0.00	113.04	113.04
-2532	0.00	0.00	155.38	155.38
-2529	0.00	0.00	126.08	126.08
-2526	0.00	0.00	135.85	135.85
-2523	0.00	0.00	145.61	145.61
-2520	0.00	0.00	155.38	155.38
-2517	0.00	0.00	125.46	125.46
-2514	0.00	0.00	135.85	135.85
-2511	0.00	0.00	145.61	145.61
-2508	0.00	0.00	155.38	155.38
-2505	0.00	0.00	126.08	126.08
-2502	0.00	0.00	135.85	135.85
-2499	0.00	0.00	145.61	145.61
-2496	0.00	0.00	155.38	155.38
-2493	0.00	0.00	125.31	125.31
-2490	0.00	0.00	135.85	135.85
-2487	0.00	0.00	145.61	145.61
-2484	0.00	0.00	155.38	155.38
-2481	0.00	0.00	126.08	126.08
-2478	0.00	0.00	135.85	135.85
-2475	0.00	0.00	145.61	145.61
-2472	0.00	0.00	246.13	246.13
-2469	0.00	0.00	206.72	206.72
-2464	0.00	0.00	246.13	246.13
-2459	0.00	0.00	249.04	249.04
-2456	0.00	0.00	240.47	240.47
-2452	0.00	0.00	192.60	192.60
-2448	0.00	0.00	241.29	241.29
-2445	0.00	0.00	246.13	246.13
-2440	0.00	0.00	206.72	206.72
-2437	0.00	0.00	246.13	246.13
-2434	0.00	0.00	171.55	171.55
-2431	0.00	0.00	128.66	128.66
-2428	0.00	0.00	171.55	171.55
-2425	0.00	0.00	171.55	171.55
-2422	0.00	0.00	171.55	171.55
-2419	0.00	0.00	171.55	171.55
-2416	0.00	0.00	171.55	171.55
-2413	0.00	0.00	171.55	171.55
-2410	0.00	0.00	171.55	171.55
-2407	0.00	0.00	171.55	171.55
-2404	0.00	0.00	171.55	171.55

-2646	0.00	0.00	237.23	237.23
-2643	0.00	0.00	135.01	135.01
-2640	0.00	0.00	306.38	306.38
-2637	0.00	0.00	202.96	202.96
-2634	0.00	0.00	102.97	102.97
-2631	0.00	0.00	271.70	271.70
-2628	0.00	0.00	168.88	168.88
-2625	0.00	0.00	341.25	341.25
-2622	0.00	0.00	237.23	237.23
-2619	0.00	0.00	135.01	135.01
-2615	0.00	0.00	145.61	145.61
-2612	0.00	0.00	155.38	155.38
-2609	0.00	0.00	126.08	126.08
-2606	0.00	0.00	135.85	135.85
-2603	0.00	0.00	145.61	145.61
-2600	0.00	0.00	116.53	116.53
-2597	0.00	0.00	94.34	94.34
-2594	0.00	0.00	101.89	101.89
-2591	0.00	0.00	145.61	145.61
-2588	0.00	0.00	155.38	155.38
-2585	0.00	0.00	126.08	126.08
-2582	0.00	0.00	135.85	135.85
-2579	0.00	0.00	145.61	145.61
-2576	0.00	0.00	155.38	155.38
-2573	0.00	0.00	126.08	126.08
-2570	0.00	0.00	135.85	135.85
-2567	0.00	0.00	145.61	145.61
-2564	0.00	0.00	155.38	155.38
-2561	0.00	0.00	126.45	126.45
-2558	0.00	0.00	107.25	107.25
-2555	0.00	0.00	113.04	113.04
-2552	0.00	0.00	139.65	139.65
-2549	0.00	0.00	123.70	123.70
-2546	0.00	0.00	130.25	130.25
-2543	0.00	0.00	141.78	141.78
-2540	0.00	0.00	119.74	119.74
-2537	0.00	0.00	97.16	97.16
-2534	0.00	0.00	105.46	105.46
-2531	0.00	0.00	145.61	145.61
-2528	0.00	0.00	155.38	155.38
-2525	0.00	0.00	126.70	126.70
-2522	0.00	0.00	135.85	135.85
-2519	0.00	0.00	145.61	145.61
-2516	0.00	0.00	155.38	155.38
-2513	0.00	0.00	126.08	126.08
-2510	0.00	0.00	135.85	135.85
-2507	0.00	0.00	145.61	145.61
-2504	0.00	0.00	155.38	155.38
-2501	0.00	0.00	131.89	131.89
-2498	0.00	0.00	135.85	135.85
-2495	0.00	0.00	145.61	145.61
-2492	0.00	0.00	155.38	155.38
-2489	0.00	0.00	126.08	126.08
-2486	0.00	0.00	135.85	135.85
-2483	0.00	0.00	145.61	145.61
-2480	0.00	0.00	155.38	155.38
-2477	0.00	0.00	126.08	126.08
-2474	0.00	0.00	135.85	135.85
-2471	0.00	0.00	246.13	246.13
-2466	0.00	0.00	210.22	210.22
-2463	0.00	0.00	249.22	249.22
-2458	0.00	0.00	195.75	195.75
-2455	0.00	0.00	237.36	237.36
-2451	0.00	0.00	246.13	246.13
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-1993	0.00	0.00	171.55	171.55
-1990	0.00	0.00	171.55	171.55
-1987	0.00	0.00	171.55	171.55
-1984	0.00	0.00	171.55	171.55
-1981	0.00	0.00	171.55	171.55
-1978	0.00	0.00	171.55	171.55
-1975	0.00	0.00	171.55	171.55
-1972	0.00	0.00	171.55	171.55
-1969	0.00	0.00	171.55	171.55
-1966	0.00	0.00	171.55	171.55
-1963	0.00	0.00	128.66	128.66
-1960	0.00	0.00	171.55	171.55
-1957	0.00	0.00	171.55	171.55
-1954	0.00	0.00	171.55	171.55
-1951	0.00	0.00	171.55	171.55
-1948	0.00	0.00	171.55	171.55
-1945	0.00	0.00	171.55	171.55
-1942	0.00	0.00	171.55	171.55
-1939	0.00	0.00	171.55	171.55
-1936	0.00	0.00	171.55	171.55
-1933	0.00	0.00	171.55	171.55
-1930	0.00	0.00	171.55	171.55

-2163	0.00	0.00	171.55	171.55
-2160	0.00	0.00	171.55	171.55
-2157	0.00	0.00	171.55	171.55
-2154	0.00	0.00	171.55	171.55
-2151	0.00	0.00	171.55	171.55
-2148	0.00	0.00	171.55	171.55
-2145	0.00	0.00	171.55	171.55
-2142	0.00	0.00	171.55	171.55
-2139	0.00	0.00	171.55	171.55
-2136	0.00	0.00	171.55	171.55
-2133	0.00	0.00	171.55	171.55
-2130	0.00	0.00	171.55	171.55
-2127	0.00	0.00	171.55	171.55
-2124	0.00	0.00	171.55	171.55
-2121	0.00	0.00	171.55	171.55
-2118	0.00	0.00	171.55	171.55
-2115	0.00	0.00	171.55	171.55
-2112	0.00	0.00	171.55	171.55
-2109	0.00	0.00	171.55	171.55
-2106	0.00	0.00	171.55	171.55
-2103	0.00	0.00	171.55	171.55
-2100	0.00	0.00	171.55	171.55
-2097	0.00	0.00	171.55	171.55
-2094	0.00	0.00	171.55	171.55
-2091	0.00	0.00	171.55	171.55
-2088	0.00	0.00	171.55	171.55
-2085	0.00	0.00	171.55	171.55
-2082	0.00	0.00	171.55	171.55
-2079	0.00	0.00	171.55	171.55
-2076	0.00	0.00	171.55	171.55
-2073	0.00	0.00	171.55	171.55
-2070	0.00	0.00	171.54	171.54
-2067	0.00	0.00	171.55	171.55
-2064	0.00	0.00	171.55	171.55
-2061	0.00	0.00	171.55	171.55
-2058	0.00	0.00	171.55	171.55
-2055	0.00	0.00	171.55	171.55
-2052	0.00	0.00	171.55	171.55
-2049	0.00	0.00	171.55	171.55
-2046	0.00	0.00	171.55	171.55
-2043	0.00	0.00	171.55	171.55
-2040	0.00	0.00	171.55	171.55
-2037	0.00	0.00	171.55	171.55
-2034	0.00	0.00	171.55	171.55
-2031	0.00	0.00	171.55	171.55
-2028	0.00	0.00	171.55	171.55
-2025	0.00	0.00	171.55	171.55
-2022	0.00	0.00	171.55	171.55
-2019	0.00	0.00	171.55	171.55
-2016	0.00	0.00	171.55	171.55
-2013	0.00	0.00	171.55	171.55
-2010	0.00	0.00	171.55	171.55
-2007	0.00	0.00	171.55	171.55
-2004	0.00	0.00	171.55	171.55
-2001	0.00	0.00	171.55	171.55
-1998	0.00	0.00	171.55	171.55
-1995	0.00	0.00	171.55	171.55
-1992	0.00	0.00	171.55	171.55
-1989	0.00	0.00	171.55	171.55
-1986	0.00	0.00	171.55	171.55
-1983	0.00	0.00	171.55	171.55
-1980	0.00	0.00	171.55	171.55
-1977	0.00	0.00	171.55	171.55
-1974	0.00	0.00	171.55	171.55
-1971	0.00	0.00	171.55	171.55
-1968	0.00	0.00	171.55	171.55
-1965	0.00	0.00	171.55	171.55
-1962	0.00	0.00	171.55	171.55
-1959	0.00	0.00	171.55	171.55
-1956	0.00	0.00	171.55	171.55
-1953	0.00	0.00	171.55	171.55
-1950	0.00	0.00	171.55	171.55
-1947	0.00	0.00	171.55	171.55
-1944	0.00	0.00	171.55	171.55
-1941	0.00	0.00	171.55	171.55
-1938	0.00	0.00	171.55	171.55
-1935	0.00	0.00	171.55	171.55
-1932	0.00	0.00	171.55	171.55
-1929	0.00	0.00	171.55	171.55

-1928	0.00	0.00	128.66	128.66
-1925	0.00	0.00	171.55	171.55
-1922	0.00	0.00	171.55	171.55
-1919	0.00	0.00	171.55	171.55
-1916	0.00	0.00	171.55	171.55
-1913	0.00	0.00	171.55	171.55
-1910	0.00	0.00	171.55	171.55
-1907	0.00	0.00	171.55	171.55
-1904	0.00	0.00	171.55	171.55
-1901	0.00	0.00	171.55	171.55
-1898	0.00	0.00	171.55	171.55
-1895	0.00	0.00	171.54	171.54
-1892	0.00	0.00	128.66	128.66
-1889	0.00	0.00	171.55	171.55
-1886	0.00	0.00	171.55	171.55
-1883	0.00	0.00	171.55	171.55
-1880	0.00	0.00	184.71	184.71
-1877	0.00	0.00	164.95	164.95
-1874	0.00	0.00	171.55	171.55
-1871	0.00	0.00	171.55	171.55
-1868	0.00	0.00	171.55	171.55
-1865	0.00	0.00	171.55	171.55
-1862	0.00	0.00	171.55	171.55
-1859	0.00	0.00	178.43	178.43
-1856	0.00	0.00	168.34	168.34
-1853	0.00	0.00	179.15	179.15
-1850	0.00	0.00	126.26	126.26
-1847	0.00	0.00	179.15	179.15
-1844	0.00	0.00	168.34	168.34
-1841	0.00	0.00	179.15	179.15
-1838	0.00	0.00	168.34	168.34
-1835	0.00	0.00	179.15	179.15
-1832	0.00	0.00	138.92	138.92
-1829	0.00	0.00	179.15	179.15
-1826	0.00	0.00	219.31	219.31
-1823	0.00	0.00	179.15	179.15
-1820	0.00	0.00	137.08	137.08
-1817	0.00	0.00	179.15	179.15
-1814	0.00	0.00	168.34	168.34
-1811	0.00	0.00	179.15	179.15
-1808	0.00	0.00	168.34	168.34
-1805	0.00	0.00	179.15	179.15
-1802	0.00	0.00	168.34	168.34
-1799	0.00	0.00	179.15	179.15
-1796	0.00	0.00	168.34	168.34
-1793	0.00	0.00	179.15	179.15
-1790	0.00	0.00	168.34	168.34
-1787	0.00	0.00	85.77	85.77
-1784	0.00	0.00	85.77	85.77
-1781	0.00	0.00	85.77	85.77
-1778	0.00	0.00	85.77	85.77
-1775	0.00	0.00	85.77	85.77
-1772	0.00	0.00	85.77	85.77
-1769	0.00	0.00	85.77	85.77
-1766	0.00	0.00	85.77	85.77
-1763	0.00	0.00	85.77	85.77
-1760	0.00	0.00	85.77	85.77
-1757	0.00	0.00	85.77	85.77
-1754	0.00	0.00	132.29	132.29
-1751	0.00	0.00	99.08	99.08
-1748	0.00	0.00	65.87	65.87
-1745	0.00	0.00	32.39	32.39
-1742	0.00	0.00	132.29	132.29
-1739	0.00	0.00	99.08	99.08
-1736	0.00	0.00	65.87	65.87
-1733	0.00	0.00	32.77	32.77
-1730	0.00	0.00	132.29	132.29
-1727	0.00	0.00	99.08	99.08
-1724	0.00	0.00	65.87	65.87
-1721	0.00	0.00	33.15	33.15
-1718	0.00	0.00	132.29	132.29
-1715	0.00	0.00	99.08	99.08
-1712	0.00	0.00	65.87	65.87
-1709	0.00	0.00	32.77	32.77
-1706	0.00	0.00	132.29	132.29
-1703	0.00	0.00	99.08	99.08
-1700	0.00	0.00	65.87	65.87
-1697	0.00	0.00	32.77	32.77
-1694	0.00	0.00	152.47	152.47

-1927	0.00	0.00	128.66	128.66
-1924	0.00	0.00	171.55	171.55
-1921	0.00	0.00	171.55	171.55
-1918	0.00	0.00	171.55	171.55
-1915	0.00	0.00	172.79	172.79
-1912	0.00	0.00	171.55	171.55
-1909	0.00	0.00	171.55	171.55
-1906	0.00	0.00	171.55	171.55
-1903	0.00	0.00	171.55	171.55
-1900	0.00	0.00	171.55	171.55
-1897	0.00	0.00	171.55	171.55
-1894	0.00	0.00	171.55	171.55
-1891	0.00	0.00	128.66	128.66
-1888	0.00	0.00	171.55	171.55
-1885	0.00	0.00	171.55	171.55
-1882	0.00	0.00	165.53	165.53
-1879	0.00	0.00	189.46	189.46
-1876	0.00	0.00	165.15	165.15
-1873	0.00	0.00	171.55	171.55
-1870	0.00	0.00	171.55	171.55
-1867	0.00	0.00	171.55	171.55
-1864	0.00	0.00	171.55	171.55
-1861	0.00	0.00	171.55	171.55
-1858	0.00	0.00	168.34	168.34
-1855	0.00	0.00	171.97	171.97
-1852	0.00	0.00	126.26	126.26
-1849	0.00	0.00	134.37	134.37
-1846	0.00	0.00	168.34	168.34
-1843	0.00	0.00	179.15	179.15
-1840	0.00	0.00	168.34	168.34
-1837	0.00	0.00	179.15	179.15
-1834	0.00	0.00	168.34	168.34
-1831	0.00	0.00	179.15	179.15
-1828	0.00	0.00	246.31	246.31
-1825	0.00	0.00	179.15	179.15
-1822	0.00	0.00	136.24	136.24
-1819	0.00	0.00	179.15	179.15
-1816	0.00	0.00	168.34	168.34
-1813	0.00	0.00	179.15	179.15
-1810	0.00	0.00	168.34	168.34
-1807	0.00	0.00	179.15	179.15
-1804	0.00	0.00	168.34	168.34
-1801	0.00	0.00	179.15	179.15
-1798	0.00	0.00	168.34	168.34
-1795	0.00	0.00	179.15	179.15
-1792	0.00	0.00	168.34	168.34
-1789	0.00	0.00	179.15	179.15
-1786	0.00	0.00	85.77	85.77
-1783	0.00	0.00	85.77	85.77
-1780	0.00	0.00	85.77	85.77
-1777	0.00	0.00	85.77	85.77
-1774	0.00	0.00	85.77	85.77
-1771	0.00	0.00	85.77	85.77
-1768	0.00	0.00	85.77	85.77
-1765	0.00	0.00	85.77	85.77
-1762	0.00	0.00	85.77	85.77
-1759	0.00	0.00	85.77	85.77
-1756	0.00	0.00	154.44	154.44
-1753	0.00	0.00	121.22	121.22
-1750	0.00	0.00	88.01	88.01
-1747	0.00	0.00	54.80	54.80
-1744	0.00	0.00	154.44	154.44
-1741	0.00	0.00	121.22	121.22
-1738	0.00	0.00	88.01	88.01
-1735	0.00	0.00	54.80	54.80
-1732	0.00	0.00	154.44	154.44
-1729	0.00	0.00	121.22	121.22
-1726	0.00	0.00	88.01	88.01
-1723	0.00	0.00	54.80	54.80
-1720	0.00	0.00	154.44	154.44
-1717	0.00	0.00	121.22	121.22
-1714	0.00	0.00	88.01	88.01
-1711	0.00	0.00	54.80	54.80
-1708	0.00	0.00	154.44	154.44
-1705	0.00	0.00	121.22	121.22
-1702	0.00	0.00	88.01	88.01
-1699	0.00	0.00	54.80	54.80
-1696	0.00	0.00	164.31	164.31
-1693	0.00	0.00	71.68	71.68

-1926	0.00	0.00	171.55	171.55
-1923	0.00	0.00	171.55	171.55
-1920	0.00	0.00	171.55	171.55
-1917	0.00	0.00	170.31	170.31
-1914	0.00	0.00	171.55	171.55
-1911	0.00	0.00	171.55	171.55
-1908	0.00	0.00	171.55	171.55
-1905	0.00	0.00	171.55	171.55
-1902	0.00	0.00	171.55	171.55
-1899	0.00	0.00	171.55	171.55
-1896	0.00	0.00	171.55	171.55
-1893	0.00	0.00	171.55	171.55
-1890	0.00	0.00	171.55	171.55
-1887	0.00	0.00	171.55	171.55
-1884	0.00	0.00	171.55	171.55
-1881	0.00	0.00	160.19	160.19
-1878	0.00	0.00	170.72	170.72
-1875	0.00	0.00	171.55	171.55
-1872	0.00	0.00	171.55	171.55
-1869	0.00	0.00	171.55	171.55
-1866	0.00	0.00	171.55	171.55
-1863	0.00	0.00	171.55	171.55
-1860	0.00	0.00	168.34	168.34
-1857	0.00	0.00	188.34	188.34
-1854	0.00	0.00	168.34	168.34
-1851	0.00	0.00	134.37	134.37
-1848	0.00	0.00	168.34	168.34
-1845	0.00	0.00	179.15	179.15
-1842	0.00	0.00	168.34	168.34
-1839	0.00	0.00	179.15	179.15
-1836	0.00	0.00	168.34	168.34
-1833	0.00	0.00	179.15	179.15
-1830	0.00	0.00	135.84	135.84
-1827	0.00	0.00	179.15	179.15
-1824	0.00	0.00	164.59	164.59
-1821	0.00	0.00	179.15	179.15
-1818	0.00	0.00	168.34	168.34
-1815	0.00	0.00	179.15	179.15
-1812	0.00	0.00	168.34	168.34
-1809	0.00	0.00	179.15	179.15
-1806	0.00	0.00	168.34	168.34
-1803	0.00	0.00	179.15	179.15
-1800	0.00	0.00	168.34	168.34
-1797	0.00	0.00	179.15	179.15
-1794	0.00	0.00	168.34	168.34
-1791	0.00	0.00	179.15	179.15
-1788	0.00	0.00	85.77	85.77
-1785	0.00	0.00	85.77	85.77
-1782	0.00	0.00	85.77	85.77
-1779	0.00	0.00	85.77	85.77
-1776	0.00	0.00	85.77	85.77
-1773	0.00	0.00	85.77	85.77
-1770	0.00	0.00	85.77	85.77
-1767	0.00	0.00	85.77	85.77
-1764	0.00	0.00	85.77	85.77
-1761	0.00	0.00	85.77	85.77
-1758	0.00	0.00	85.77	85.77
-1755	0.00	0.00	143.37	143.37
-1752	0.00	0.00	110.15	110.15
-1749	0.00	0.00	76.94	76.94
-1746	0.00	0.00	43.73	43.73
-1743	0.00	0.00	143.37	143.37
-1740	0.00	0.00	110.15	110.15
-1737	0.00	0.00	76.94	76.94
-1734	0.00	0.00	43.73	43.73
-1731	0.00	0.00	143.37	143.37
-1728	0.00	0.00	110.15	110.15
-1725	0.00	0.00	76.94	76.94
-1722	0.00	0.00	43.73	43.73
-1719	0.00	0.00	143.37	143.37
-1716	0.00	0.00	110.15	110.15
-1713	0.00	0.00	76.94	76.94
-1710	0.00	0.00	43.73	43.73
-1707	0.00	0.00	143.37	143.37
-1704	0.00	0.00	110.15	110.15
-1701	0.00	0.00	76.94	76.94
-1698	0.00	0.00	43.73	43.73
-1695	0.00	0.00	77.22	77.22
-1692	0.00	0.00	140.63	140.63

-1691	0.00	0.00	66.15	66.15
-1688	0.00	0.00	117.00	117.00
-1685	0.00	0.00	49.54	49.54
-1682	0.00	0.00	81.62	81.62
-1679	0.00	0.00	32.94	32.94
-1676	0.00	0.00	46.33	46.33
-1673	0.00	0.00	16.39	16.39
-1670	0.00	0.00	82.75	82.75
-1667	0.00	0.00	56.08	56.08
-1664	0.00	0.00	39.39	39.39
-1661	0.00	0.00	22.65	22.65
-1658	0.00	0.00	50.52	50.52
-1655	0.00	0.00	33.81	33.81
-1652	0.00	0.00	17.22	17.22
-1649	0.00	0.00	44.88	44.88
-1646	0.00	0.00	28.14	28.14
-1643	0.00	0.00	56.02	56.02
-1640	0.00	0.00	39.21	39.21
-1637	0.00	0.00	22.47	22.47
-1634	0.00	0.00	28.04	28.04
-1631	0.00	0.00	158.25	158.25
-1628	0.00	0.00	19.69	19.69
-1625	0.00	0.00	98.46	98.46
-1622	0.00	0.00	11.32	11.32
-1619	0.00	0.00	76.35	76.35
-1616	0.00	0.00	61.95	61.95
-1613	0.00	0.00	66.75	66.75
-1610	0.00	0.00	71.55	71.55
-1607	0.00	0.00	76.35	76.35
-1604	0.00	0.00	61.95	61.95
-1601	0.00	0.00	108.58	108.58
-1598	0.00	0.00	33.38	33.38
-1595	0.00	0.00	40.57	40.57
-1592	0.00	0.00	59.40	59.40
-1589	0.00	0.00	40.57	40.57
-1586	0.00	0.00	146.79	146.79
-1583	0.00	0.00	112.79	112.79
-1580	0.00	0.00	78.78	78.78
-1577	0.00	0.00	44.78	44.78
-1574	0.00	0.00	146.79	146.79
-1571	0.00	0.00	112.79	112.79
-1568	0.00	0.00	78.78	78.78
-1565	0.00	0.00	44.78	44.78
-1562	0.00	0.00	146.79	146.79
-1559	0.00	0.00	112.79	112.79
-1556	0.00	0.00	78.78	78.78
-1553	0.00	0.00	44.78	44.78
-1550	0.00	0.00	146.79	146.79
-1547	0.00	0.00	112.79	112.79
-1544	0.00	0.00	78.78	78.78
-1541	0.00	0.00	44.78	44.78
-1538	0.00	0.00	146.79	146.79
-1535	0.00	0.00	112.79	112.79
-1532	0.00	0.00	78.78	78.78
-1529	0.00	0.00	44.78	44.78
-1526	0.00	0.00	79.07	79.07
-1523	0.00	0.00	136.97	136.97
-1520	0.00	0.00	62.06	62.06
-1517	0.00	0.00	98.52	98.52
-1514	0.00	0.00	45.06	45.06
-1511	0.00	0.00	62.79	62.79
-1508	0.00	0.00	28.06	28.06
-1505	0.00	0.00	29.93	29.93
-1502	0.00	0.00	84.73	84.73
-1499	0.00	0.00	84.73	84.73
-1496	0.00	0.00	44.90	44.90
-1493	0.00	0.00	28.16	28.16
-1490	0.00	0.00	56.06	56.06
-1487	0.00	0.00	39.32	39.32
-1484	0.00	0.00	22.58	22.58
-1481	0.00	0.00	50.48	50.48
-1478	0.00	0.00	33.74	33.74
-1475	0.00	0.00	17.27	17.27
-1472	0.00	0.00	44.90	44.90
-1469	0.00	0.00	28.16	28.16
-1466	0.00	0.00	198.65	198.65
-1463	0.00	0.00	25.24	25.24
-1460	0.00	0.00	138.28	138.28
-1457	0.00	0.00	16.87	16.87

-1690	0.00	0.00	128.81	128.81
-1687	0.00	0.00	55.08	55.08
-1684	0.00	0.00	93.40	93.40
-1681	0.00	0.00	38.47	38.47
-1678	0.00	0.00	58.08	58.08
-1675	0.00	0.00	21.86	21.86
-1672	0.00	0.00	82.75	82.75
-1669	0.00	0.00	82.75	82.75
-1666	0.00	0.00	50.52	50.52
-1663	0.00	0.00	33.81	33.81
-1660	0.00	0.00	17.33	17.33
-1657	0.00	0.00	44.96	44.96
-1654	0.00	0.00	28.23	28.23
-1651	0.00	0.00	56.05	56.05
-1648	0.00	0.00	39.30	39.30
-1645	0.00	0.00	22.56	22.56
-1642	0.00	0.00	50.41	50.41
-1639	0.00	0.00	33.62	33.62
-1636	0.00	0.00	17.17	17.17
-1633	0.00	0.00	178.39	178.39
-1630	0.00	0.00	22.48	22.48
-1627	0.00	0.00	118.29	118.29
-1624	0.00	0.00	14.12	14.12
-1621	0.00	0.00	60.07	60.07
-1618	0.00	0.00	71.55	71.55
-1615	0.00	0.00	76.35	76.35
-1612	0.00	0.00	61.95	61.95
-1609	0.00	0.00	66.75	66.75
-1606	0.00	0.00	71.55	71.55
-1603	0.00	0.00	115.86	115.86
-1600	0.00	0.00	35.78	35.78
-1597	0.00	0.00	94.02	94.02
-1594	0.00	0.00	59.40	59.40
-1591	0.00	0.00	40.57	40.57
-1588	0.00	0.00	59.39	59.39
-1585	0.00	0.00	135.46	135.46
-1582	0.00	0.00	101.45	101.45
-1579	0.00	0.00	67.45	67.45
-1576	0.00	0.00	33.31	33.31
-1573	0.00	0.00	135.46	135.46
-1570	0.00	0.00	101.45	101.45
-1567	0.00	0.00	67.45	67.45
-1564	0.00	0.00	33.56	33.56
-1561	0.00	0.00	135.46	135.46
-1558	0.00	0.00	101.45	101.45
-1555	0.00	0.00	67.45	67.45
-1552	0.00	0.00	33.81	33.81
-1549	0.00	0.00	135.46	135.46
-1546	0.00	0.00	101.45	101.45
-1543	0.00	0.00	67.45	67.45
-1540	0.00	0.00	33.56	33.56
-1537	0.00	0.00	135.46	135.46
-1534	0.00	0.00	101.45	101.45
-1531	0.00	0.00	67.45	67.45
-1528	0.00	0.00	33.56	33.56
-1525	0.00	0.00	150.39	150.39
-1522	0.00	0.00	67.73	67.73
-1519	0.00	0.00	111.03	111.03
-1516	0.00	0.00	50.73	50.73
-1513	0.00	0.00	74.40	74.40
-1510	0.00	0.00	33.72	33.72
-1507	0.00	0.00	40.49	40.49
-1504	0.00	0.00	16.78	16.78
-1501	0.00	0.00	84.73	84.73
-1498	0.00	0.00	56.06	56.06
-1495	0.00	0.00	39.32	39.32
-1492	0.00	0.00	22.58	22.58
-1489	0.00	0.00	50.48	50.48
-1486	0.00	0.00	33.74	33.74
-1483	0.00	0.00	17.16	17.16
-1480	0.00	0.00	44.90	44.90
-1477	0.00	0.00	28.16	28.16
-1474	0.00	0.00	56.06	56.06
-1471	0.00	0.00	39.32	39.32
-1468	0.00	0.00	22.58	22.58
-1465	0.00	0.00	28.03	28.03
-1462	0.00	0.00	158.30	158.30
-1459	0.00	0.00	19.66	19.66
-1456	0.00	0.00	98.52	98.52

-1689	0.00	0.00	60.61	60.61
-1686	0.00	0.00	105.19	105.19
-1683	0.00	0.00	44.01	44.01
-1680	0.00	0.00	69.85	69.85
-1677	0.00	0.00	27.40	27.40
-1674	0.00	0.00	34.71	34.71
-1671	0.00	0.00	82.75	82.75
-1668	0.00	0.00	82.75	82.75
-1665	0.00	0.00	44.96	44.96
-1662	0.00	0.00	28.23	28.23
-1659	0.00	0.00	56.08	56.08
-1656	0.00	0.00	39.39	39.39
-1653	0.00	0.00	22.65	22.65
-1650	0.00	0.00	50.47	50.47
-1647	0.00	0.00	33.72	33.72
-1644	0.00	0.00	17.25	17.25
-1641	0.00	0.00	44.80	44.80
-1638	0.00	0.00	28.04	28.04
-1635	0.00	0.00	198.63	198.63
-1632	0.00	0.00	25.26	25.26
-1629	0.00	0.00	138.22	138.22
-1626	0.00	0.00	16.91	16.91
-1623	0.00	0.00	78.74	78.74
-1620	0.00	0.00	8.77	8.77
-1617	0.00	0.00	66.75	66.75
-1614	0.00	0.00	71.55	71.55
-1611	0.00	0.00	76.35	76.35
-1608	0.00	0.00	61.95	61.95
-1605	0.00	0.00	66.75	66.75
-1602	0.00	0.00	38.17	38.17
-1599	0.00	0.00	101.30	101.30
-1596	0.00	0.00	30.98	30.98
-1593	0.00	0.00	40.57	40.57
-1590	0.00	0.00	59.40	59.40
-1587	0.00	0.00	158.13	158.13
-1584	0.00	0.00	124.12	124.12
-1581	0.00	0.00	90.12	90.12
-1578	0.00	0.00	56.11	56.11
-1575	0.00	0.00	158.13	158.13
-1572	0.00	0.00	124.12	124.12
-1569	0.00	0.00	90.12	90.12
-1566	0.00	0.00	56.11	56.11
-1563	0.00	0.00	158.13	158.13
-1560	0.00	0.00	124.12	124.12
-1557	0.00	0.00	90.12	90.12
-1554	0.00	0.00	56.11	56.11
-1551	0.00	0.00	158.13	158.13
-1548	0.00	0.00	124.12	124.12
-1545	0.00	0.00	90.12	90.12
-1542	0.00	0.00	56.11	56.11
-1539	0.00	0.00	158.13	158.13
-1536	0.00	0.00	124.12	124.12
-1533	0.00	0.00	90.12	90.12
-1530	0.00	0.00	56.11	56.11
-1527	0.00	0.00	164.11	164.11
-1524	0.00	0.00	73.40	73.40
-1521	0.00	0.00	123.85	123.85
-1518	0.00	0.00	56.39	56.39
-1515	0.00	0.00	86.30	86.30
-1512	0.00	0.00	39.39	39.39
-1509	0.00	0.00	51.49	51.49
-1506	0.00	0.00	22.39	22.39
-1503	0.00	0.00	84.73	84.73
-1500	0.00	0.00	84.73	84.73
-1497	0.00	0.00	50.48	50.48
-1494	0.00	0.00	33.74	33.74
-1491	0.00	0.00	17.27	17.27
-1488	0.00	0.00	44.90	44.90
-1485	0.00	0.00	28.16	28.16
-1482	0.00	0.00	56.06	56.06
-1479	0.00	0.00	39.32	39.32
-1476	0.00	0.00	22.58	22.58
-1473	0.00	0.00	50.48	50.48
-1470	0.00	0.00	33.74	33.74
-1467	0.00	0.00	17.27	17.27
-1464	0.00	0.00	178.43	178.43
-1461	0.00	0.00	22.45	22.45
-1458	0.00	0.00	118.35	118.35
-1455	0.00	0.00	14.08	14.08

-1454	0.00	0.00	78.79	78.79	-1453	0.00	0.00	11.29	11.29	-1452	0.00	0.00	60.12	60.12
-1451	0.00	0.00	8.74	8.74	-1450	0.00	0.00	76.35	76.35	-1449	0.00	0.00	71.55	71.55
-1448	0.00	0.00	66.75	66.75	-1447	0.00	0.00	61.95	61.95	-1446	0.00	0.00	76.35	76.35
-1445	0.00	0.00	71.55	71.55	-1444	0.00	0.00	66.75	66.75	-1443	0.00	0.00	61.95	61.95
-1442	0.00	0.00	76.35	76.35	-1441	0.00	0.00	71.55	71.55	-1440	0.00	0.00	66.75	66.75
-1439	0.00	0.00	61.95	61.95	-1438	0.00	0.00	76.35	76.35	-1437	0.00	0.00	71.55	71.55
-1436	0.00	0.00	66.75	66.75	-1435	0.00	0.00	61.95	61.95	-1434	0.00	0.00	115.86	115.86
-1433	0.00	0.00	38.17	38.17	-1432	0.00	0.00	108.58	108.58	-1431	0.00	0.00	35.78	35.78
-1430	0.00	0.00	101.30	101.30	-1429	0.00	0.00	33.38	33.38	-1428	0.00	0.00	94.02	94.02
-1427	0.00	0.00	30.98	30.98	-1426	0.00	0.00	40.57	40.57	-1425	0.00	0.00	59.40	59.40
-1424	0.00	0.00	40.57	40.57	-1423	0.00	0.00	59.40	59.40	-1422	0.00	0.00	40.57	40.57
-1421	0.00	0.00	59.40	59.40	-1420	0.00	0.00	40.57	40.57	-1419	0.00	0.00	59.40	59.40
14	0.00	0.00	130.95	130.95	103	0.00	0.00	131.58	131.58	105	0.00	0.00	152.76	152.76
117	0.00	0.00	152.77	152.77	118	0.00	0.00	41.38	41.38	119	0.00	0.00	29.70	29.70
120	0.00	0.00	42.37	42.37	121	0.00	0.00	29.70	29.70	205	0.00	0.00	104.46	104.46
217	0.00	0.00	104.46	104.46	219	0.00	0.00	20.29	20.29	221	0.00	0.00	20.29	20.29
244	0.00	0.00	182.85	182.85	245	0.00	0.00	198.41	198.41	246	0.00	0.00	186.36	186.36
247	0.00	0.00	246.15	246.15	251	0.00	0.00	239.84	239.84	252	0.00	0.00	239.84	239.84
261	0.00	0.00	246.14	246.14	262	0.00	0.00	246.14	246.14	263	0.00	0.00	246.13	246.13

Totali forze sismiche

Fx <daN>	Fy <daN>
284387.00	284387.00

Domanda in duttilità di curvatura

Direzione X μ_{EdX}=10.46
Direzione Y μ_{EdY}=10.46

Sollecitazioni elementi bidimensionali

Simbologia

Bid. =Numero del muro/elemento bidimensionale
Nodo =Numero del nodo
σ_{xx} =Tensione normale sulle facce perp. all'asse X
CC =Numero della combinazione delle condizioni di carico elementari
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
SND = Stato limite di salvaguardia della vita (non dissipativo)
σ_{zz} =Tensione normale sulle facce perp. all'asse Z
τ_{xz} =Tensione in dir. Z sulle facce perp. all'asse X
Mxx =Momento che provoca variazione di tensione sulle facce perp. all'asse X
Mzz =Momento che provoca variazione di tensione sulle facce perp. all'asse Z
Mxz =Momento che provoca variazione di tensione tangenziale sulle facce perp. all'asse X
τ_{zy} =Tensione in dir. Y sulle facce perp. all'asse Z
τ_{xy} =Tensione in dir. Y sulle facce perp. all'asse X

Bid. 110

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	3	SND	217	-121853	2	SND	-1420	110889	**σ_{zz} <daN/mq>**	3	SND	-1448	-78189	2	SND	-1429	49400
τ_{xz} <daN/mq>	2	SND	-1442	-41799	3	SND	-1435	75000	**Mxx <daNm/m>**	8	SND	-1430	-771	5	SND	-1438	602
Mzz <daNm/m>	10	SLU	217	-697	6	SND	-1428	233	**Mxz <daNm/m>**	2	SND	-1437	-82	10	SLU	-1438	239
τ_{zy} <daN/mq>	6	SND	-1420	-9431	10	SLU	-1442	4890	**τ_{xy} <daN/mq>**	10	SLU	-1420	-7745	10	SLU	-1432	7248

Bid. 111

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	3	SND	-3425	-34274	3	SND	117	28146	**σ_{zz} <daN/mq>**	6	SND	1	-451196	2	SND	1	99725
τ_{xz} <daN/mq>	5	SND	1	-21710	6	SND	-3424	122834	**Mxx <daNm/m>**	7	SND	-1466	-535	6	SND	-1466	766
Mzz <daNm/m>	7	SND	-1474	-184	6	SND	1	788	**Mxz <daNm/m>**	6	SND	1	-90	6	SND	-1474	229
τ_{zy} <daN/mq>	6	SND	-1064	-7898	7	SND	-1064	2153	**τ_{xy} <daN/mq>**	6	SND	-1466	-5852	6	SND	-3424	8830

Bid. 112

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	-1539	-56606	9	SLU	-1539	40668	**σ_{zz} <daN/mq>**	2	SND	-3522	-231018	3	SND	-3524	278274

τ_{xz} <daN/mq>	3	SND	-1529	-70765	2	SND	-740	74083	Mxx <daNm/m>	3	SND	-1535	-5791	9	SLU	-1527	2618
Mzz <daNm/m>	6	SND	20	-6606	10	SLU	20	3886	Mxz <daNm/m>	5	SND	-1554	-1839	10	SLU	-1528	2403
τ_{zy} <daN/mq>	10	SLU	20	-24775	5	SND	20	17590	τ_{xy} <daN/mq>	10	SLU	-1529	-7724	6	SND	103	17394

Bid. 113

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	4	SND	-3470	-37302	3	SND	-1643	12573	σ_{zz} <daN/mq>	3	SND	-3471	-384257	2	SND	-3471	75991
τ_{xz} <daN/mq>	2	SND	-1643	-10728	4	SND	-1048	103742	Mxx <daNm/m>	8	SND	-1643	-714	5	SND	-1642	454
Mzz <daNm/m>	7	SND	19	-421	9	SLU	-1642	338	Mxz <daNm/m>	8	SND	-3468	-190	6	SND	-1643	78
τ_{zy} <daN/mq>	9	SLU	-1643	-8327	8	SND	-3467	9200	τ_{xy} <daN/mq>	8	SND	-3467	-8399	8	SND	-1588	5756

Bid. 114

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	3	SND	-1607	-104435	2	SND	-1603	90449	σ_{zz} <daN/mq>	3	SND	-1596	-62158	2	SND	-1616	40752
τ_{xz} <daN/mq>	2	SND	-1607	-35183	3	SND	-1604	55780	Mxx <daNm/m>	7	SND	205	-604	6	SND	-1607	753
Mzz <daNm/m>	2	SND	-1589	-164	6	SND	-1597	226	Mxz <daNm/m>	4	SND	-1606	-214	1	SND	205	201
τ_{zy} <daN/mq>	9	SLU	-1599	-1432	10	SLU	205	5625	τ_{xy} <daN/mq>	6	SND	-1605	-3744	8	SND	205	4091

Bid. 115

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	14	-49383	6	SND	14	93183	σ_{zz} <daN/mq>	2	SND	279	-263403	3	SND	-3473	292169
τ_{xz} <daN/mq>	3	SND	-1698	-64898	2	SND	-741	75124	Mxx <daNm/m>	1	SND	-1706	-1958	8	SND	-1668	6226
Mzz <daNm/m>	6	SND	-3478	-2069	9	SLU	-737	5434	Mxz <daNm/m>	9	SLU	-1694	-333	10	SLU	-1722	2301
τ_{zy} <daN/mq>	10	SLU	18	-28026	6	SND	4	9849	τ_{xy} <daN/mq>	7	SND	-1668	-19043	1	SND	-1707	4948

Bid. 116

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	8	SND	-2453	-61529	7	SND	-2777	46104	σ_{zz} <daN/mq>	9	SLU	-2657	-90195	4	SND	-3429	20819
τ_{xz} <daN/mq>	8	SND	252	-52322	5	SND	-2455	52544	Mxx <daNm/m>	8	SND	252	-117720	5	SND	252	102719
Mzz <daNm/m>	3	SND	-3429	-90300	2	SND	-3429	44703	Mxz <daNm/m>	8	SND	-2777	-66799	5	SND	-2769	76364
τ_{zy} <daN/mq>	7	SND	-2753	-46831	6	SND	-2753	40969	τ_{xy} <daN/mq>	7	SND	-2753	-58911	6	SND	-2753	67603

Bid. 117

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	6	SND	-2565	-32037	6	SND	217	16372	σ_{zz} <daN/mq>	10	SLU	-1434	-78727	5	SND	-2570	5902
τ_{xz} <daN/mq>	9	SLU	-2482	-34704	6	SND	-3365	37078	Mxx <daNm/m>	8	SND	-2538	-1750	3	SND	-1860	2895
Mzz <daNm/m>	3	SND	-2605	-2857	9	SLU	-1860	20698	Mxz <daNm/m>	10	SLU	-2616	-1441	9	SLU	205	1849
τ_{zy} <daN/mq>	2	SND	-2565	-11035	9	SLU	-2616	83046	τ_{xy} <daN/mq>	3	SND	-1432	-22672	3	SND	-2475	19011

Bid. 118

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	-1839	-21316	3	SND	-3010	31951	σ_{zz} <daN/mq>	3	SND	-3517	-176651	2	SND	3	60985
τ_{xz} <daN/mq>	2	SND	-1511	-39981	3	SND	-1509	40508	Mxx <daNm/m>	9	SLU	-2925	-2440	3	SND	-1521	5620
Mzz <daNm/m>	2	SND	-68	-7243	3	SND	-3498	13558	Mxz <daNm/m>	3	SND	-2950	-2223	10	SLU	-2915	2372
τ_{zy} <daN/mq>	3	SND	-3517	-33304	2	SND	-1859	43118	τ_{xy} <daN/mq>	3	SND	-2923	-17626	2	SND	-2925	23381

Bid. 119

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	-3166	-17370	7	SND	-1696	23564	σ_{zz} <daN/mq>	3	SND	4	-125066	2	SND	4	49476
τ_{xz} <daN/mq>	3	SND	-1678	-45488	2	SND	-1678	45978	Mxx <daNm/m>	3	SND	-3270	-1683	7	SND	-3358	6033
Mzz <daNm/m>	2	SND	-3496	-7215	9	SLU	-1789	14754	Mxz <daNm/m>	2	SND	-3346	-2459	3	SND	-3321	2261
τ_{zy} <daN/mq>	3	SND	-1789	-29753	2	SND	-1789	77056	τ_{xy} <daN/mq>	2	SND	-1696	-24714	3	SND	-1696	23299

Bid. 204

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	-1419	-37466	3	SND	117	39702	σ_{zz} <daN/mq>	3	SND	121	-112364	2	SND	-1427	63345
τ_{xz} <daN/mq>	2	SND	-1419	-26514	3	SND	117	67143	Mxx <daNm/m>	7	SND	-1419	-644	6	SND	117	717
Mzz <daNm/m>	2	SND	-1419	-324	3	SND	117	423	Mxz <daNm/m>	7	SND	-1443	-80	6	SND	117	213
τ_{zy} <daN/mq>	6	SND	-1419	-5661	2	SND	117	777	τ_{xy} <daN/mq>	6	SND	-1419	-6581	7	SND	117	3200

Bid. 206

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max

σ_{xx} <daN/mq>	2	SND	-1597	-32053	3	SND	-1604	21938	**σ_{zz} <daN/mq>**	3	SND	-1596	-88311	2	SND	-1616	52686
τ_{xz} <daN/mq>	2	SND	105	-23624	3	SND	-1604	53854	**Mxx <daNm/m>**	8	SND	105	-644	5	SND	-1604	490
Mzz <daNm/m>	9	SLU	105	-283	3	SND	-1604	96	**Mxz <daNm/m>**	9	SLU	105	-157	1	SND	-1604	30
τ_{zy} <daN/mq>	5	SND	119	-445	9	SLU	-1604	1604	**τ_{xy} <daN/mq>**	5	SND	-1588	-1966	8	SND	-1604	4404

Bid. 208

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	8	SND	-2537	-73591	7	SND	-3361	51834	**σ_{zz} <daN/mq>**	9	SLU	-2497	-60968	6	SND	-2593	43925
τ_{xz} <daN/mq>	8	SND	-2561	-58428	6	SND	246	60564	**Mxx <daNm/m>**	8	SND	252	-5099	5	SND	252	5113
Mzz <daNm/m>	3	SND	-2609	-7979	1	SND	-2453	7532	**Mxz <daNm/m>**	6	SND	-2453	-3899	7	SND	252	3518
τ_{zy} <daN/mq>	5	SND	252	-22282	3	SND	-2471	32177	**τ_{xy} <daN/mq>**	7	SND	-2541	-47130	6	SND	-2541	68010

Bid. 403

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	4	SND	-1186	-31337	4	SND	-1366	22247	**σ_{zz} <daN/mq>**	6	SND	-1193	-38620	7	SND	268	42753
τ_{xz} <daN/mq>	8	SND	-1237	-24525	5	SND	-1185	24464	**Mxx <daNm/m>**	3	SND	-142	-44311	3	SND	-105	57459
Mzz <daNm/m>	9	SLU	-373	-28791	3	SND	3	45161	**Mxz <daNm/m>**	10	SLU	-1121	-21299	10	SLU	-383	17067
τ_{zy} <daN/mq>	10	SLU	-783	-79218	9	SLU	268	124491	**τ_{xy} <daN/mq>**	10	SLU	265	-113390	9	SLU	275	78664

Bid. 404

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	2	SND	-2436	-115138	6	SND	14	64676	**σ_{zz} <daN/mq>**	2	SND	-2402	-25249	6	SND	-2401	24620
τ_{xz} <daN/mq>	6	SND	-1789	-43428	2	SND	-2401	40875	**Mxx <daNm/m>**	9	SLU	217	-18188	9	SLU	-1777	11536
Mzz <daNm/m>	9	SLU	-1878	-6240	9	SLU	-2131	2571	**Mxz <daNm/m>**	9	SLU	-2139	-3623	9	SLU	-1826	5791
τ_{zy} <daN/mq>	9	SLU	217	-29084	9	SLU	-1787	28659	**τ_{xy} <daN/mq>**	9	SLU	-2401	-57039	10	SLU	-1758	58345