



# Anas SpA

DIREZIONE CENTRALE PROGETTAZIONE

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

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PROTOCOLLO

## GALLERIA SVINCOLO SP 142 - NOTA DI CALCOLO

CODICE PROGETTO

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## 1 PREMESSA

La presente nota viene redatta per la galleria artificiale GA02 di sottopassaggio della variante alla SS9 della alla Sp142 nell'ambito dello svincolo dell'ospedale di Casalpusterlengo.



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## 2 NORMATIVA DI RIFERIMENTO

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

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



### 3 CARATTERISTICHE GEOTECNICHE

#### Rilevato / terreno di riempimento

Si tiene conto dei seguenti parametri di calcolo

Peso specifico:  $\gamma_t = 18 \text{ kN/m}^3$

Angolo di attrito interno:  $\phi' \geq 35^\circ$

Coesione efficace:  $c' = 0 \text{ kPa}$

#### Terreno in sito

I parametri di resistenza al taglio sono stati definiti in accordo con quanto esposto nella *Relazione Geotecnica*, in corrispondenza dei sondaggi CPT06\_07 S5\_97 di cui alla tabella n.3.1.

#### Schema Geotecnico

0.00 – 6.00 Terreno mediamente addensato Nspt=15 Rp=20 – 30 Kg/cm<sup>2</sup>

6.00 – 9.00 Terreno debolmente addensato Nspt=4 Rp=14 – 20 Kg/cm<sup>2</sup>

9.00 – 20.00 Terreno mediamente addensato Nspt=10 – 15

Nspt	Rp Kg/cm <sup>2</sup>	$\Phi$ (°)	Es (KPa)	Dr (%)	Tipo di terreno
Da 1 a 3		22 - 24	2500 - 3000	<30	Terreno molto sciolto- sabbia fine limosa – argilla molle e torba
Da 4 a 6	15 - 25	25	4500 - 5500	30	Terreno sciolto – sabbia fine con limo – limo sabbioso – argilla molle
Da 7 a 10		30	9000 - 12000	40 - 45	Terreno debolmente addensato
Da 11 a 25	> 40	35 – 38	9000 – 12000	50 - 55	Terreno mediamente addensato
>25		38 – 42	25000	65 – 70	Terreno molto addensato – sabbia fine con ghiaia – sabbia debolmente cementata – sabbia media

Tabella 3.1 – Parametri di resistenza al taglio caratteristici

I parametri di resistenza al taglio sono stati quindi assunti per la zona in oggetto in accordo con quanto esposto sopra e sono riassunti nella tabella n.3.2 di cui al seguito.

FORMAZIONE		Terreno di riporto a tergo	Terreno di base muro
Peso naturale di volume	$\gamma$ (kN/m <sup>3</sup> )	18	19
Angolo di attrito	$\phi'$ (°)	35	36
Coesione efficace	$c'$ (kPa)	0	0
Coesione non drenata	$c_u$ (kPa)	0	0

Tabella 3-2 – Parametri di resistenza al taglio caratteristici



## 4 CARATTERISTICHE DEI MATERIALI

### 4.1 Calcestruzzi

(Secondo EN206-CNR UNI 11104)

#### Per sottofondazioni

classe di resistenza

C12/15

#### Platea e fondazioni muri

classe di resistenza

C28/35 Varie\*

modulo elastico

$E_c = 32.588 \text{ N/mm}^2$

resistenza caratteristica a compressione cilindrica

$f_{ck} = 29,05 \text{ N/mm}^2$

resistenza media a compressione cilindrica

$f_{cm} = 37,05 \text{ N/mm}^2$

resistenza di calcolo a compressione

$f_{cd} = 16,46 \text{ N/mm}^2$

resistenza a trazione ( valore medio )

$f_{ctm} = 2,83 \text{ N/mm}^2$

resistenza caratteristica a trazione

$f_{ctk} = 1,98 \text{ N/mm}^2$

resistenza caratteristica a trazione per flessione

$f_{ctk} = 2,38 \text{ N/mm}^2$

copriferro

$C = 40 \text{ mm}$

#### Elevazioni

classe di resistenza

C32/40

modulo elastico

$E_c = 33.643 \text{ N/mm}^2$

resistenza caratteristica a compressione cilindrica

$f_{ck} = 33,20 \text{ N/mm}^2$

resistenza media a compressione cilindrica

$f_{cm} = 41,20 \text{ N/mm}^2$

resistenza di calcolo a compressione

$f_{cd} = 15,05 \text{ N/mm}^2$

resistenza a trazione ( valore medio )

$f_{ctm} = 3,10 \text{ N/mm}^2$

resistenza caratteristica a trazione

$f_{ctk} = 2,17 \text{ N/mm}^2$

resistenza caratteristica a trazione per flessione

$f_{ctk} = 2,60 \text{ N/mm}^2$

copriferro

$C = 40 \text{ mm}$

Per il calcestruzzo ordinario armato si assume il seguente peso per unità di volume:

$$\rho'_{cls} = 25 \text{ kN/m}^3$$



## 4.2 Acciaio per armature

Per le armature lente si utilizzano barre ad aderenza migliorata in acciaio con le seguenti caratteristiche meccaniche:

	B450C	
tensione caratteristica di snervamento	$f_{yk} =$	450 N/mm <sup>2</sup>
tensione caratteristica di rottura	$f_{tk} =$	540 N/mm <sup>2</sup>
resistenza di calcolo a trazione	$f_{yd} =$	391 N/mm <sup>2</sup>
modulo elastico	$E_s =$	206.000 N/mm <sup>2</sup>

## 4.3 Durabilità e prescrizioni sui materiali

Per garantire la durabilità delle strutture in calcestruzzo armato ordinario, esposte all'azione dell'ambiente, si devono adottare i provvedimenti atti a limitare gli effetti di degrado indotti dall'attacco chimico, fisico e derivante dalla corrosione delle armature e dai cicli di gelo e disgelo.

Al fine di ottenere la prestazione richiesta in funzione delle condizioni ambientali, nonché per la definizione della relativa classe, si fa riferimento alle indicazioni contenute nelle Linee Guida sul calcestruzzo strutturale edite dal Servizio Tecnico Centrale del Consiglio Superiore dei Lavori Pubblici ovvero alle norme UNI EN 206-1:2006 ed UNI 11104:2004.

Per le opere della presente relazione si adotta quanto segue:

<u>Fondazione</u>	CLASSE DI ESPOSIZIONE	XC2
<u>Elevazione</u>	CLASSE DI ESPOSIZIONE	XC4-XD1-XF1

Condizioni ambientali	Classe di esposizione
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Tabella 4.4-1.III: Descrizione delle condizioni ambientali

Le fondazioni dei muri si trovano in condizioni ambientali *Ordinarie*, le elevazioni in condizioni *Aggressive*.

Nella tabella 4.1.IV sono indicati i criteri di scelta dello stato limite di fessurazione con riferimento alle condizioni ambientale e al tipo di armatura.



Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	$w_d$	Stato limite	$w_d$
a	Ordinarie	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_2$
b	Aggressive	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	Molto aggressive	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Tabella 4.1.IV: Criteri di scelta dello stato limite di fessurazione

In grigio chiaro sono indicate gli stati limite di fessurazione da utilizzare per le verifiche delle fondazioni in grigio scuro sono indicati quelli per le elevazioni.

#### 4.4 Copriferro minimo e copriferro nominale

Ai fini di preservare le armature dai fenomeni di aggressione ambientale, dovrà essere previsto un idoneo copriferro; il suo valore, misurato tra la parete interna del cassero e la generatrice dell'armatura metallica più vicina, individua il cosiddetto "copriferro nominale".

Il copriferro nominale  $c_{nom}$  è somma di due contributi, il copriferro minimo  $c_{min}$  e la tolleranza di posizionamento  $h$ . Vale pertanto:  $c_{nom} = c_{min} + h$ .

La tolleranza di posizionamento delle armature  $h$ , per le strutture gettate in opera, può essere assunta pari ad almeno 5 mm. Considerata la Classe di esposizione ambientale dell'opera, si adotta un copriferro minimo pari a 35mm, pertanto  $c_{nom}=40$  mm, valore valido per tutte le parti di struttura.





## 5 ANALISI DEI CARICHI

### 5.1 Carichi permanenti

I carichi permanenti sono costituiti da peso proprio della struttura e dalla spinta del terreno.

Per quanto riguarda il carico dato dal peso della pavimentazione, e del rinterro, all'interno nelle verifiche è sempre a favore di sicurezza e poiché nella fase di realizzazione non è presente si omette permettendo così anche la sicurezza di un eventuale svuotamento della trincea in un futuro senza compromettere la stabilità dell'opera.

I carichi dati dalle spinte del terreno sono considerati permanenti non strutturali e in regime di spinta a riposo.

#### 5.1.1 Peso proprio $G_{k1}$

Il peso proprio della struttura è calcolato in automatico dal codice di calcolo

#### 5.1.2 Carichi permanenti portati $G_{k2}$

$g_{k2} = \gamma_2 h_2$  pavimentazione stradale, marciapiedi, etc.

$\gamma_2 = 25 \text{ kN/m}^3$  (peso medio pavimentazione)

$h_2' = 21 \text{ cm}$  (spessore pacchetto di pavimentazione)

risulta quindi:

$g_{k2}' = 5.25 \text{ kPa}$

$\gamma_1 = 20 \text{ kN/m}^3$  (peso rilevato stradale)

$h_2'' = 1.30 \text{ m}$  (spessore rilevato stradale)

risulta quindi:

$g_{k2}'' = 26 \text{ kPa}$

pertanto:  $G_{k2} = g_{k2}' + g_{k2}'' = 31.25 \text{ kPa}$

### 5.2 Carichi termici e ritiro

Ai fini di considerare gli effetti delle variazioni termiche differenziali all'interno della struttura, in relazione a quanto prescritto dalla normativa si è applicata una variazione termica di  $\pm 15^\circ\text{C}$  sulla soletta superiore.

La soletta superiore è interessata da un ritiro differenziale rispetto ai piedritti. Il valore da considerare valutare l'effetto del ritiro è pari a  $\epsilon_{cs} = 0.20 \cdot 10^{-3}$ , con un  $t_0 = 1 \div 7$  gg di umidità relativa pari al 75% ed un valore di  $\alpha = 0.70 \text{ m}$ .

Poiché gli effetti del ritiro si esplicano maggiormente quando il calcestruzzo presenta un modulo elastico pari a circa  $\frac{1}{3}$  di quello che si ha a lungo periodo. In sede di calcolo il valore viene ridotto a  $\frac{1}{3}$  del valore fornito dalla normativa.

Per quanto concerne il calcolo, l'effetto del ritiro viene assimilato a una variazione termica e si ha:

$$\epsilon_{cs} = \alpha \cdot \Delta T \rightarrow \Delta T = \frac{\epsilon_{cs}}{\alpha} = \frac{1}{3} \cdot \frac{0.20 \cdot 10^{-3}}{1 \cdot 10^{-5}} = 7.0^\circ\text{C}$$

Per considerare l'effetto di una variazione della temperatura all'interno degli elementi strutturali viene applicata sulla soletta superiore una variazione termica uniforme pari a



$\Delta T = \pm 15^\circ\text{C}$ . In relazione ai coefficienti introdotti nelle combinazioni di carico analizzate si ha che l'effetto della variazione della temperatura è considerato con un fattore riduttivo pari a 0.60 e pertanto segue che  $\Delta T' = \pm 9^\circ\text{C}$ . Gli effetti combinati di ritiro e variazione termica individuano le seguenti configurazioni :

$$\Delta T_1 = T_{\text{RITIRO}} + \Delta T' = -07^\circ\text{C} + 9^\circ\text{C} = +02^\circ\text{C}$$

$$\Delta T_2 = T_{\text{RITIRO}} - \Delta T' = -07^\circ\text{C} - 9^\circ\text{C} = -16^\circ\text{C}$$

## 5.3 Carichi da traffico

### 5.3.1 Azione verticale : $Q_{1k}$

Con riferimento alle norme vigenti (vedi paragrafo 5.1.3 del D.M. 14-01-2008, paragrafo 4.3 e 4.4 di EN 1991-2\_2005) come azioni variabili da traffico gravante sulla soletta superiore si assume lo schema di carico 1.

Il carico di normativa applicato è il  $Q_{1k}$ , ossia il mezzo convenzionale da 600kN a due assi da 300 kN ognuno (carico tandem), con interasse di 1,20m lungo il senso di marcia e di larghezza 2,40m (comprese le dimensioni delle impronte) e il carico ripartito  $q_{1k}$  da 9 kN/m<sup>2</sup>.

Tale carico viene posizionato ortogonalmente all'asse del manufatto e considerato ripartito, sia in direzione longitudinale che trasversale, con una angolo di diffusione di 30° attraverso il rilevato stradale, e 45° sino al piano medio della soletta superiore.

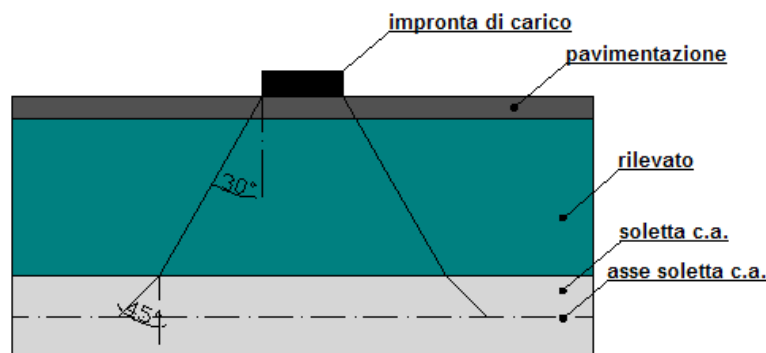


Figura 5-1 – Diffusione impronta di carico

In direzione trasversale, quale base collaborante viene considerato un valore pari alla larghezza di ingombro dello schema di carico uguale a 2.40m aumentata dello spessore di diffusione del carico.

Limitando la diffusione del carico lato seconda colonna di carico a 0,30m per (come in **Errore. L'origine riferimento non è stata trovata.**) e fissando un ricoprimento  $H_r = 0.16$  m e lo spessore della soletta  $S_s = 0.80$  m, si ha:

larghezza di diffusione trasversale:

$$B_T = 2.40 + 0.3 + (H_r \cdot \text{tg}30^\circ + S_s/2) = \mathbf{3.19} \text{ m}$$

Ingombro longitudinale:

$$L_L = 1.60 + 2 \cdot (H_r \cdot \text{tg}30^\circ + S_s/2) = \mathbf{2.58} \text{ m}$$

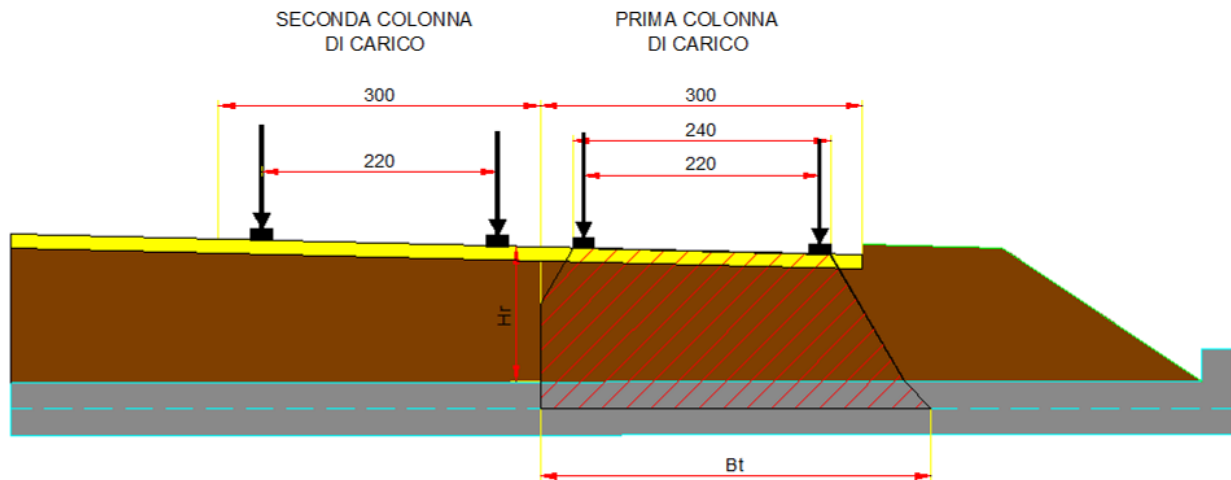
Da cui si ottiene:

Carico medio uniforme:

$$Q_{1k,dis} = 600 / (3.00 \cdot 2.58) = \mathbf{77.52} \text{ kN/m}^2$$

Carico ripartito:

$$q_{1k,dis} = \mathbf{9} \text{ kN/m}^2$$

**Figura 5-2 – Diffusione trasversale dell'impronta di carico**

come carico accidentale gravante sulla soletta superiore, si ipotizza anche il caso in cui l'intera soletta sia gravata da un carico distribuito di intensità pari a  $20 \text{ kN/m}^2$ .

Il carico stradale così trovato si considera applicato in diverse posizioni ed in particolare:

- in corrispondenza della prima campata (caso di carico  $Q_{k1.1}$ )
- in corrispondenza del secondo piedritto (caso di carico  $Q_{k1.2}$ )

### 5.3.2 Azione longitudinale di frenamento: $q_{3k}$

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

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

per i ponti di 1a categoria essendo  $w_l$  la larghezza della corsia e  $L$  la lunghezza della zona caricata, per cui si ottiene:

$$\text{Carico frenante} \quad q_3 = 0,60 \cdot 2 \cdot 300 + 0,10 \cdot q_{1k} \cdot w_l \cdot L = 403 \text{ kN}$$

L'azione di cui sopra, viene applicata sulla soletta superiore dello scatolare come carico concentrato; il valore della frenatura equivalente da applicare alla soletta di larghezza unitaria, si ottiene distribuendo il valore del carico frenante alla larghezza della corsia con la seguente relazione:

$$q_{3,dis} = 403 / 3 = 135 \text{ kN}$$

### 5.3.3 Spinta del sovraccarico sul rilevato $Q_{k2}$

Lateralmente la diffusione è triangolare (ossia massima in sommità e minima al piede del tombino) con un fattore pari al coefficiente di spinta a riposo  $k_0$ , e vale quindi:

Approccio 2 (A1+M1+R3)

$$q_{k2.1sommità} = k_0 q_v = 0.426 \cdot (600 / (3.00 \cdot 2.60)) = 32.76 \text{ kPa}$$

$$q_{k2.1base} = k_0 q_v = 0.426 \cdot (600 / (3.00 \cdot (2.60 + 7.80))) = 8.19 \text{ kPa}$$



## 5.4 Carichi del terreno

### 5.4.1 Spinte del terreno in condizione statica: $g_k$

Sulla base delle caratteristiche del materiale costituente i rilevati, per il calcolo delle spinte si è considerato un angolo di attrito  $\varphi$  pari a  $38^\circ$ .

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

$$g_k = k_0 \gamma_1 h_1$$

Il coefficiente di spinta a riposo ( $k_0$ ) viene valutato ricorrendo sulla teoria di Coulomb e riferita a superfici di rottura piane. In questo caso l'approssimazione (rispetto a quanto si sarebbe ottenuto considerando superfici di rottura di geometria complessa) risulta molto contenuta e a favore di sicurezza.

Approccio 1 combinazione 1 (A1+M1+R1) cmb SLU STR

$$M1=1.00$$

$\varphi$  = angolo d'attrito del terreno laterali di riempimento =  $38^\circ$

da cui si ricava il valore della spinta a riposo  $k_0 = 1 - \sin(\varphi) = 0.384$

Approccio 1 combinazione 2 (A2+M2+R2) cmb SLU GEO

$$M_2 = 1.25 \Rightarrow \operatorname{tg} \varphi = M_2 \cdot \operatorname{tg} \varphi' \Rightarrow \varphi' = \operatorname{arctg} \left( \frac{\operatorname{tg} \varphi}{M_2} \right) \Rightarrow \varphi' = 32^\circ$$

per cui  $k'_0 = 1 - \sin(\varphi) = 0.470$

Dalle indagini geotecniche si considera che la falda sia posizionata sotto il piano di imposta della fondazione e quindi viene trascurata.

Le pressioni del terreno agenti in corrispondenza dei piedritti di sinistra e di destra valgono:

$$P_{\text{livfalda}} = 0$$

$$P_{\text{max}} = k_0 \cdot \gamma'_t \cdot H_{\text{muro}} + \gamma_w \cdot H_w$$

Tali pressioni sono agenti in direzione orizzontale, ovviamente nel caso presente il contributo della falda è nullo.

### 5.4.2 Spinta del terreno in condizione sismica

In accordo con le NTC2008 (cfr. par. 7.11.6.2.1) si esegue l'analisi pseudostatica mediante i metodi dell'equilibrio limite. Il modello di calcolo comprende l'opera di sostegno; il cuneo di terreno a tergo dell'opera; eventuali sovraccarichi agenti sul cuneo suddetto.

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

$$\Delta P_d = \frac{a_g}{g} \cdot \gamma \cdot S \cdot (H_s + H_r) \cdot H_s = a_{\text{max}} \cdot \gamma \cdot (H_s + H_r) \cdot H_s$$

dove

$a_{\text{max}}$  = accelerazione massima al suolo (definita al paragrafo seguente)

$H_s$  = altezza scatolare = 2.60m

$H_r$  = altezza ricoprimento = 0.55m



Il punto di applicazione dell'azione si trova a metà altezza del muro, il che equivale ad applicare una pressione uniforme pari a:

$$E_{st} = a_{max} \cdot \gamma \cdot (H_s + H_r)$$

In corrispondenza della sommità e del piede scatolare la spinta sismica, riferita ad elementi di larghezza unitaria, vale quindi:

$$E_{st} = 11.27 \text{ kPa}$$

## 5.5 Azioni sismiche

Nel presente progetto è stata verificata la combinazione di carico sismica con riferimento allo stato limite ultimo di salvaguardia della vita (SLV): a seguito del terremoto la costruzione subisce rotture e crolli dei componenti non strutturali ed impiantistici e significativi danni dei componenti strutturali cui si associa una perdita significativa di rigidità nei confronti delle azioni orizzontali; la costruzione conserva invece una parte della esistenza e rigidità per azioni verticali e un margine di sicurezza nei confronti del collasso per azioni sismiche orizzontali. Il calcolo sismico è riferito alla sole opere definitive, esclude quindi le palancole provvisorie

### 5.5.1 Vita nominale

La vita nominale di un'opera strutturale è intesa come il numero di anni nel quale la struttura, purché soggetta alla manutenzione ordinaria, deve poter essere usata per lo scopo al quale è destinata. Nel caso in oggetto, l'opera ricade all'interno del tipo di costruzione 2: "Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale (paragrafo 2.4.1 delle 'Nuove Norme tecniche per le costruzioni - D.M. 14 gennaio 2008')". La vita nominale risulta pertanto  **$V_N \geq 50$  anni**.

### 5.5.2 Classi d'uso

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un'eventuale collasso, le costruzioni sono suddivise in classi d'uso.

Nel caso in oggetto si fa riferimento alla Classe IV: costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità.....Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico." (paragrafo 2.4.2 delle 'Nuove Norme tecniche per le costruzioni - D.M. 14 gennaio 2008') Con riferimento alla Tab. 2.4. II si assume un coefficiente d'uso  $C_U = 2$ .

Tab. 2.4.II – Valori del coefficiente d'uso  $C_U$

CLASSE D'USO	I	II	III	IV
COEFFICIENTE $C_U$	0,7	1,0	1,5	2,0

### 5.5.3 Periodo di riferimento per l'azione sismica

Le azioni sismiche su ciascuna costruzione vengono valutate in relazione ad un periodo di riferimento  $V_R$  che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale  $V_N$  per il coefficiente d'uso  $C_U$ . Tale coefficiente è funzione della classe d'uso e nel caso specifico assume valore unitario.

$$V_R = V_N \times C_U = 50 \text{ anni} \times 2 = 100 \text{ anni}$$

Le probabilità di superamento  $P_{VR}$  nel periodo di riferimento  $V_R$ , cui riferirsi per individuare l'azione sismica agente, sono pari al 10% nel caso dello stato limite SLV.

### 5.5.4 Azioni di progetto

Le azioni di progetto si ricavano, ai sensi delle NTC, dalle accelerazioni  $a_g$  e dalle relative forme spettrali.

Le forme spettrali previste dalle NTC sono definite, su sito di riferimento rigido orizzontale, in funzione dei tre parametri:

- $a_g$  accelerazione orizzontale massima del terreno;
- $F_0$  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.

Per ciascun nodo del reticolo di riferimento e per ciascuno dei periodi di ritorno  $T_R$  considerati dalla pericolosità sismica, i tre parametri si ricavano riferendosi ai valori corrispondenti al 50esimo percentile ed attribuendo ad:

- ag il valore previsto dalla pericolosità sismica;
- $F_0$  e  $TC^*$  i valori ottenuti imponendo che le forme spettrali in accelerazione, velocità e spostamento previste dalle NTC scartino al minimo dalle corrispondenti forme spettrali previste dalla pericolosità sismica.

Le forme spettrali previste dalle NTC sono caratterizzate da prescelte probabilità di superamento e vite di riferimento. A tal fine occorre fissare:

- la vita di riferimento  $V_R$  della costruzione;
- le probabilità di superamento nella vita di riferimento  $P_{VR}$  associate agli stati limite considerati, per individuare infine, a partire dai dati di pericolosità sismica disponibili, le corrispondenti azioni sismiche.

A tal fine è conveniente utilizzare, come parametro caratterizzante la pericolosità sismica, il periodo di ritorno dell'azione sismica  $T_R$ , espresso in anni. Fissata la vita di riferimento  $V_R$ , i due parametri  $T_R$  e  $P_{VR}$  sono immediatamente esprimibili, l'uno in funzione dell'altro, mediante l'espressione:

$$T_R = -\frac{V_R}{\ln(1 - P_{VR})} = -\frac{100}{\ln(1 - 0.1)} = 949 \text{ anni}$$

Si assume, a favore di sicurezza, come periodo di ritorno  $T_R = 949$ anni.

I valori dei parametri  $a_g$ ,  $F_0$  e  $TC^*$  relativi alla pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento sono forniti nelle tabelle riportate nell'ALLEGATO B delle NTC.

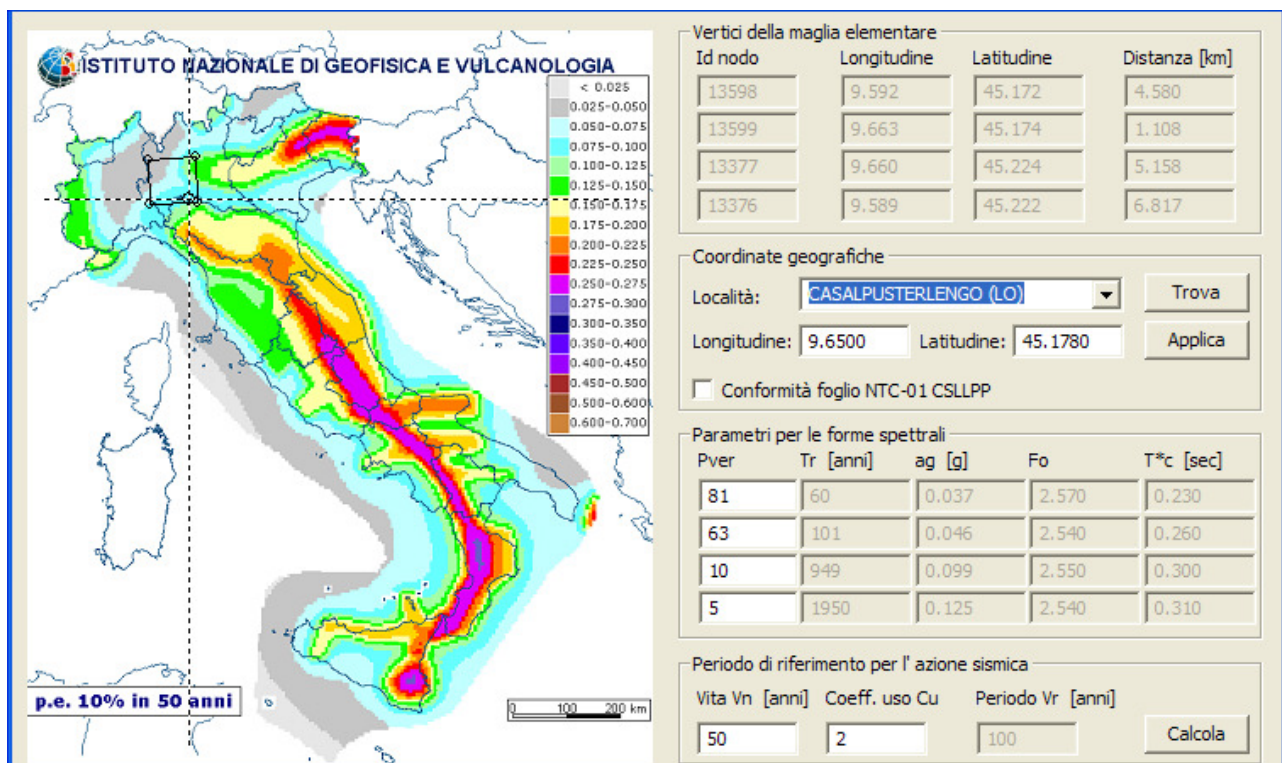


Figura 5-3

I parametri sismici di riferimento sono pertanto:



$$a_g = 0.099 \text{ g}$$

$$F_0 = 2.550$$

$$T^*c=0.300\text{sec}$$

### 5.5.5 Categoria di sottosuolo

In base a quanto specificato nella relazione geologica, il suolo presente è classificabile in Categoria C: "Depositi di terreni a grana grossa mediamente addensati o terreni a grana fine mediamente consistenti con spessori superiori a 30m, caratterizzati da un graduale miglioramento delle proprietà meccaniche con la profondità e da valori di  $V_{S,30}$  compresi tra 180m/s e 360 m/s (ovvero  $15 < N_{SPT} < 50$  nei terreni a grana grossa e  $70 < C_{U,30} < 70$  kPa nei terreni a grana fina)". Da ciò si ricava il parametro  $S = S_S \times S_T$  che tiene conto della categoria di sottosuolo e delle condizioni topografiche, essendo  $S_S$  il coefficiente di amplificazione stratigrafica ed  $S_T$  il coefficiente di amplificazione topografica.

$$S_S = 1.00 \leq 1.70 - 0.60 \cdot F_0 \cdot \frac{a_g}{g} \leq 1.50 \quad \rightarrow \quad S_S = 1.7 - 0.6 \cdot 2.500 \cdot 0.184 = 1.424$$

Si considera dunque  $S_S = 1.424$ .

$S_T = 1$  per una categoria topografica T1, da cui:

$$S = S_S \cdot S_T = 1.424$$



## 6 GEOMETRIA DELL'OPERA

In corrispondenza del concio 12 viene realizzata una vasca di accumulo per le acque meteoriche Tale manufatto ha pianta rettangolare 12.50x16.00m, altezza netta 3.00m ed è suddiviso in quattro camere da setti in c.a., trasversali all'asse stradale, di spessore 40cm.

La platea di fondazione ha spessore 1.00m, così come la soletta di copertura, mentre le pareti perimetrali hanno spessore 50cm.

**Figura 6-1: sezione in asse strada**

**Figura 6-2: sezione trasversale**





## 6.1 Combinazioni per la verifica agli stati limite

### 6.1.1 Combinazioni per la verifica allo SLU

Le combinazioni di carico, considerate ai fini delle verifiche, sono stabilite in modo da garantire la sicurezza in conformità a quanto prescritto al cap. 2 delle NTC2008.

Gli stati limite ultimi delle opere interraste si riferiscono allo sviluppo di meccanismi di collasso, determinati dalla mobilitazione della resistenza del terreno, e al raggiungimento della resistenza degli elementi strutturali che compongono l'opera.

Le verifiche agli stati limite ultimi sono eseguiti in riferimento ai seguenti stati limite:

- SLU di tipo geotecnico (GEO) e di equilibrio di corpo rigido (EQU)
  - collasso per carico limite dell'insieme fondazione-terreno;
- SLU di tipo strutturale (STR)
  - raggiungimento della resistenza negli elementi strutturali.

Trattandosi di opere interraste, le verifiche saranno condotte secondo l'approccio progettuale "Approccio 1", utilizzando i coefficienti parziali riportati nelle Tabelle 6.2.I e 5.1.V per i parametri geotecnici e le azioni.

1. combinazione 1 → (A1+M1+R1) → STR
2. combinazione 2 → (A2+M2+R2) → GEO (carico limite)

PARAMETRO	GRANDEZZA ALLA QUALE APPLICARE IL COEFF. PARZIALE	COEFFICIENTE PARZIALE $\gamma_M$	M <sub>1</sub>	M <sub>2</sub>
Tangente dell'angolo di resistenza al taglio	$\tan \phi'_k$	$\gamma_{\phi'}$	1	1.25
Coesione efficace	$c'_k$	$\gamma_{c'}$	1	1.25
Resistenza non drenata	$c'_{uk}$	$\gamma_{cu}$	1	1.4
Peso dell'unità di volume	$\gamma$	$\gamma_\gamma$	1	1

Tabella 6.2.II - Coefficienti parziali per i parametri del terreno

CARICHI	EFFETTO	SIMBOLO	EQU	(A1) STR	(A2) GEO
Permanente	favorevole	$\gamma_F$	0.9	1.0	1.0
	sfavorevole	$\gamma_{G1}$	1.1	1.35	1.0
Permanente non strutturali	favorevole	$\gamma_{G2}$	0.0(0.9)	0.0	0.0
	sfavorevole	$\gamma_{G2}$	1.5 (1.1)	1.35	1.0/1.3
Variabili da traffico	favorevole	$\gamma_Q$	0.0	0.0	0.0
	sfavorevole	$\gamma_Q$	1.35	1.35	1.15
Variabili	favorevole	$\gamma_{Qi}$	0.0	0.0	0.0
	sfavorevole	$\gamma_{Qi}$	1.5	1.5	1.30

Tabella 6.2.I/5.1.V - Coefficienti parziali per le azioni o per l'effetto delle azioni

VERIFICA	COEFF. PARZIALE (R1)	COEFF. PARZIALE (R2)
Capacità portante della fondazione	$\gamma_R=1$	$\gamma_R=1.8$
Scorrimento	$\gamma_R=1$	$\gamma_R=1.1$

Tabella 6.5.I - Coefficienti parziali  $\gamma_R$  per la resistenza del sistema

Ai fini delle verifiche degli stati limite ultimi si definiscono le seguenti combinazioni:

$$\begin{aligned} \text{STR)} &\Rightarrow \gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_{Q1} \cdot Q_{k1} + \sum_i \psi_{0i} \cdot Q_{ki} && \Rightarrow (\Phi'_d = \Phi'_k) \\ \text{GEO)} &\Rightarrow \gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_{Q1} \cdot Q_{k1} + \sum_i \psi_{0i} \cdot Q_{ki} && \Rightarrow (\text{spinte } \Phi'_d = \tan^{-1}(\tan \Phi'_k / \gamma_\phi)) \end{aligned}$$



## 6.1.2 Combinazioni per la verifica allo SLE

Ai fini delle verifiche degli stati limite di esercizio (fessurazione/ stato tensionale) si definiscono le seguenti combinazioni:

Frequente)	⇒	$G_1 + G_2 + \psi_{11} \cdot Q_{k1} + \sum_i \psi_{2i} \cdot Q_{ki}$	⇒	$(\Phi_d' = \Phi_k')$
Quasi permanente)	⇒	$G_1 + G_2 + \psi_{21} \cdot Q_{k1} + \sum_i \psi_{2i} \cdot Q_{ki}$	⇒	$(\Phi_d' = \Phi_k')$
Rara)	⇒	$G_1 + G_2 + Q_{k1} + \sum_i \psi_{0i} \cdot Q_{ki}$	⇒	$(\Phi_d' = \Phi_k')$

## 6.1.3 Combinazioni per la condizione sismica

Per la condizione sismica, le combinazioni per gli stati limite ultimi da prendere in considerazione sono le seguenti (approccio 1):

STR) ⇒	$E + G_1 + G_2 + \sum_i \psi_{2i} \cdot Q_{ki}$	⇒	$(\Phi_d' = \Phi_k')$
GEO) ⇒	$E + G_1 + G_2 + \sum_i \psi_{2i} \cdot Q_{ki}$	⇒	$(\text{spinte } \Phi_d' = \tan^{-1}(\tan \Phi_k' / \gamma_\Phi))$

Le verifiche agli stati limite ultimi § 7.11.1 (NTC) devono essere effettuate ponendo pari all'unità i coefficienti parziali sulle azioni e impiegando i parametri geotecnici e le resistenze di progetto, con i valori dei coefficienti parziali indicati nel Cap. 6.

Gli effetti dell'azione sismica saranno valutati tenendo conto delle masse associate ai seguenti carichi gravitazionali:

$$G_1 + G_2 + \sum_i \psi_{2i} \cdot Q_{ki}$$

I valori del coefficiente  $\psi_{2i}$  sono quelli riportati nella tabella 5.1.VI e § 2.5.I della norma; la stessa propone nel caso di ponti, e più in generale per opere stradali, di assumere per i carichi dovuti al transito dei mezzi  $\psi_{2i} = 0 \div 0.2$  (condizione cautelativa).

Data la natura dell'opera in progetto, così come previsto dalla norma, si può assumere  $\psi_{2i} = 0$ .



## 6.2 Modello di calcolo

### 6.2.1 Programmi di calcolo utilizzati

Il calcolo dello scatolare viene condotto con il programma PRO\_SAP (prodotto dalla 2S.I. Software e Servizi per l'Ingegneria S.r.l. P.tta Schiatti 8/b 44100 Ferrara) Ver. 7.0.0.

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

- Elemento tipo BEAM (trave)
- Elemento tipo BOUNDARY (molla)
- Elemento tipo STIFFNESS (matrice di rigidità)

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

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

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

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

### 6.2.2 Modellazione adottata

Si è assunto lo schema statico di telaio piano chiuso.

Lo schema statico assunto per la modellazione è quello costituito da una soletta di fondazione a cui sono vincolati alle estremità con un vincolo di incastro i piedritti verticali. La soletta orizzontale superiore risulta essere incastrata alle estremità sui piedritti.

Ai fini della modellazione, del calcolo e delle verifiche strutturali sono stati considerati elementi di larghezza unitaria pari ad 1m.

La struttura viene schematizzata attraverso un modello analitico agli elementi finiti. Si è assunto lo schema statico di telaio chiuso. L'output di calcolo viene raccolto nell'allegato.

L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tenso-deformativo indotto da carichi statici.

Il suolo viene modellato facendo ricorso all'usuale artificio delle molle elastiche alla Winkler.

La costante di sottofondo del terreno di fondazione è determinata nella Relazione Geotecnica.



### 6.3 Casi di carico

CDC	Tipo	Sigla Id
1	Gk1	peso proprio della struttura
2	Gk2	carichi permanenti portati
3	Qk1.1	carico da traffico setto
4	Qk1.2	carico stradale campata
5	Qk3	azione di frenamento
6	Esh	sisma x+
7	Esv	sisma verticale
8	Esf	sovraspinta falda sismica
9	Sw	spinta falda

### 6.4 Combinazioni

Le combinazioni di carico da considerare per le verifiche agli SLU sono quelle riportate nella tabella seguente:

Cmb	Tipo	Sigla Id	Gk1	Gk2	Qk1.1	Qk1.2	Qk3	Esh	Esv	Esf	Sw
1	SLU	SLU STR 01	1.35	1.35	1.35	0	0	0	0	0	1.35
2	SLU	SLU STR 02	1.35	1.35	0	1.35	0	0	0	0	1.35
3	SLU	SLU STR 03	1.35	1.35	1	0	1.35	0	0	0	1.35
4	SLU	SLU STR 04	1.35	1.35	0	1	1.35	0	0	0	1.35
5	SLU	SLU GEO 01	1	1	1.15	0	0	0	0	0	1
6	SLU	SLU GEO 02	1	1	0	1.15	0	0	0	0	1
7	SLU	SLU GEO 03	1	1	0.86	0	1.15	0	0	0	1
8	SLU	SLU GEO 04	1	1	0	0.86	1.15	0	0	0	1
9	SLU	SLU SISMA ORIZZONTALE	1	1	0	0	0	1	0	1	1
10	SLU	SLU SISMA VERTICALE	1	1	0	0	0	0	1	0	1
11	SLE(r)	SLE RARA 01	1	1	1	0	0.75	0	0	0	1
12	SLE(r)	SLE RARA 02	1	1	0	1	0.75	0	0	0	1
13	SLE(f)	SLE FREQUENTE 01	1	1	0.75	0	0.75	0	0	0	1
14	SLE(f)	SLE FREQUENTE 02	1	1	0	0.75	0.75	0	0	0	1
15	SLE(p)	SLE QUASI PERMANENTE	1	1	0	0	0	0	0	0	1

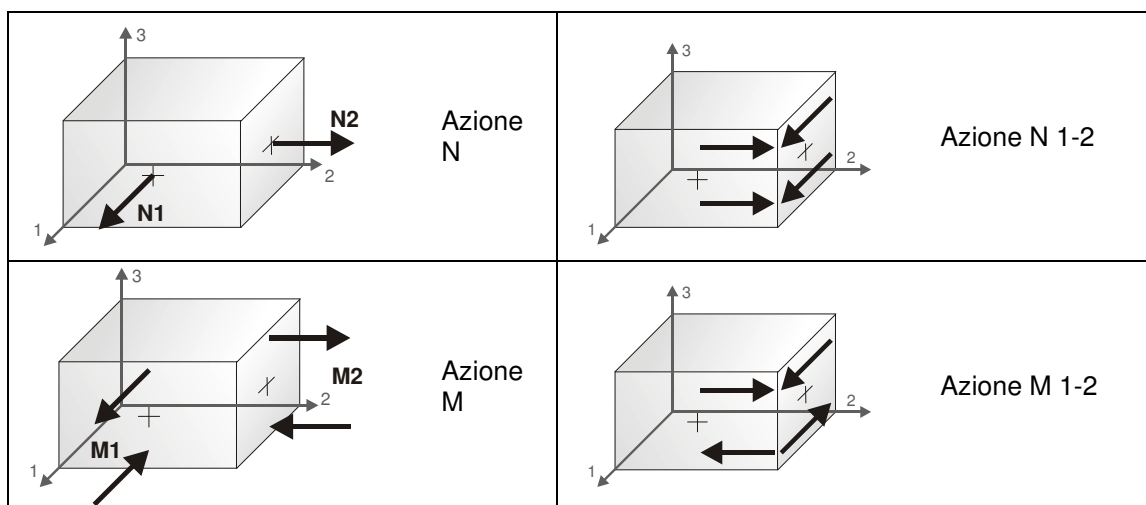


### 6.5 Verifiche strutturali

#### 6.5.1 Sollecitazioni

Si riportano nel seguito alcuni diagrammi dei massimi valori delle principali sollecitazioni agenti sulla struttura. I valori di tutte le singole sollecitazioni agenti nelle varie combinazioni di carico, e sui vari elementi strutturali del sottovia, così come i loro involuipi dei massimi valori, sono riportate nei tabulati presenti negli allegati al piede della presente nota di calcolo.

I diagrammi sono riferiti a sistemi di riferimento locali associati ad ogni singolo elemento, orientati come indicato nella figura seguente.



Il controllo dei risultati relativi alle azioni e tensioni negli elementi D2 avviene mediante diagrammi e mappe di colore. Ad ogni trave, pilastro, asta corrisponde un diagramma o una rappresentazione cromatica a cui è associata una legenda che riporta i valori numerici delle azioni o tensioni, in unità di misura congruenti a quelle utilizzate in fase di modellazione.



## 6.6 Verifiche di resistenza

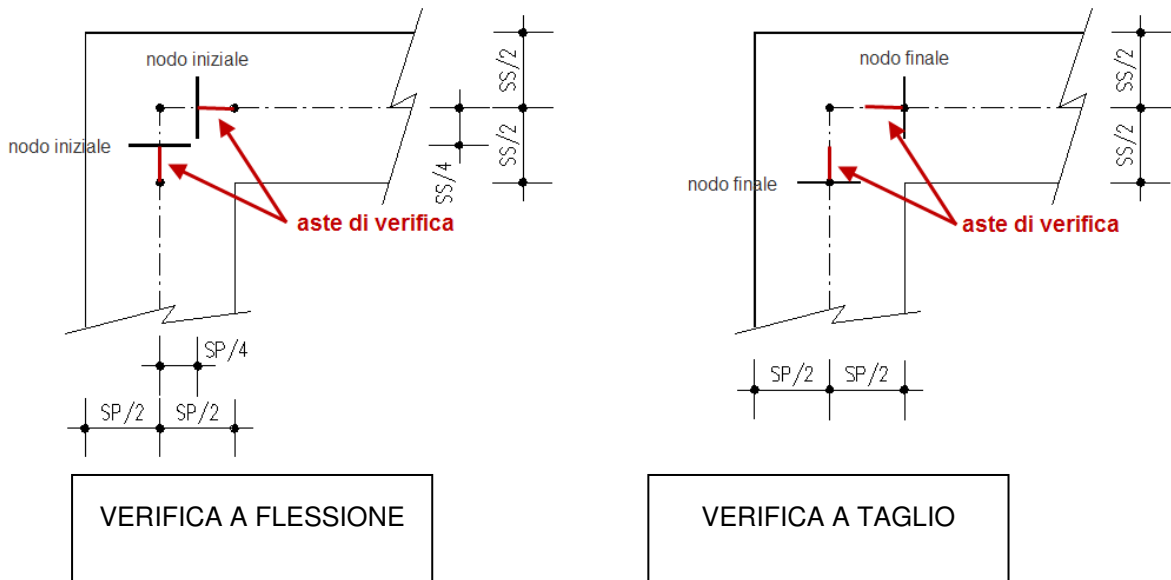
Il dimensionamento e la verifica delle strutture viene condotto con riferimento al criterio degli stati limite considerando le caratteristiche di resistenza dei materiali di norma secondo le classi definite negli elaborati grafici di progetto.

Nel caso delle analisi statiche gli effetti delle azioni (calcolate con riferimento ai parametri caratteristici ed a coefficienti parziali unitari sui carichi) vengono moltiplicati per un coefficiente amplificativo pari a 1.4.

Le verifiche a flessione nelle sezioni di incastro piedritto-soletta vengono effettuate rispettivamente:

- nella sezione ubicata a metà fra asse piedritto e sezione d'attacco piedritto-soletta nel caso delle verifiche della soletta;
- nella sezione ubicata a metà fra asse soletta e sezione d'attacco del piedritto nel caso delle verifiche del piedritto.

Le verifiche a taglio vengono eseguite nelle sezioni di attacco soletta-piedritto.



I calcoli di verifica sono effettuati con riferimento a sezioni di larghezza pari a un metro ( $b=1.00\text{ m}$ ).



## 6.7 Verifica di fessurazione

Le verifiche a fessurazione sono state condotte in accordo con quanto previsto dalle NTC2008 al §4.1.2.2.4 considerando:

- a) Verifica di formazione delle fessure: in sezione interamente reagente e per le sollecitazioni di esercizio si determina la massima trazione nel calcestruzzo  $\sigma_t$  confrontandola con la resistenza a trazione media per flessione  $f_{ctm}$ : se risulta

$$\sigma_t < \frac{f_{ctm}}{1.2}$$

la verifica è soddisfatta, altrimenti si procede alla verifica di apertura delle fessure.

- b) Verifica di apertura delle fessure: l'apertura convenzionale delle fessure viene calcolata con le modalità indicate in NTC 2008 al §4.1.2.2.4.

Il valore di calcolo di apertura delle fessure è dato da:  $w_d = 1.7 w_m$

L'ampiezza media delle fessure è calcolata come deformazione media delle barre per la distanza media tra le fessure:  $w_m = \varepsilon_{sm} \cdot \Delta_{sm}$

Per la combinazione di azioni prescelta il valore limite di apertura della fessura, calcolato al livello considerato, è pari ad uno dei seguenti valori nominali:

w1 = 0.2 mm

w2 = 03 mm

w3 = 0.4 mm

Lo stato limite di fessurazione viene fissato in funzione delle condizioni ambientali e della sensibilità delle armature alla corrosione, come riportato nella seguente tabella:

GRUPPI DI ESIGENZE	CONDIZIONI AMBIENTALI	COMBINAZIONI DI AZIONI	ARMATURA			
			SENSIBILE (acciai da precompresso)		POCO SENSIBILE (acciai ordinari)	
			STATO LIMITE	Wd	STATO LIMITE	Wd
A	ORDINARIE	Frequente	Ap. fessure	< 0.3	Ap. fessure	< 0.4
		Quasi permanente	Ap. fessure	< 0.2	Ap. fessure	< 0.3
B	AGGRESSIVE	Frequente	Ap. fessure	<0.2	Ap. fessure	< 0.3
		Quasi permanente	Decompressione	-	Ap. fessure	< 0.2
C	MOLTO AGGRESSIVE	Frequente	Formazione fessure	-	Ap. fessure	< 0.2
		Quasi permanente	Decompressione	-	Ap. fessure	< 0.2

CONDIZIONI AMBIENTALI	CLASSE DI ESPOSIZIONE
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XA3, XF4

## 6.8 Verifica a taglio

Gli elementi bidimensionali (platee, solette e pareti) sono privi di specifica armatura a taglio. Si procede pertanto come previsto al par. 4.1.2.1.3.1 delle NTC2008 per cui la resistenza a taglio di progetto per tali elementi è data da:

$$V_{Rd} = \left\{ 0,18 \cdot k \cdot (100 \cdot \rho_1 \cdot f_{ck})^{1/3} / \gamma_c + 0,15 \cdot \sigma_{cp} \right\} \cdot b_w \cdot d \geq (v_{\min} + 0,15 \cdot \sigma_{cp}) \cdot b_w \cdot d$$

## 6.9 Copriferro

Si adotta un copriferro minimo netto di 4cm.



**Anas SpA**

Compartimento della viabilità per la Lombardia

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# MODELLAZIONE DEI MATERIALI

## LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

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

## TABELLA DATI MATERIALI

Id	Tipo / Note	Young	Poisson	G	Gamma	Alfa
		kN/ m2	kN/ m2	kN/ m2	kN/ m3	
3	c.a. classe 35	3.372e+07	0.12	1.505e+07	25.0	1.00e-05
	Rck	3.500e+04				
	fctm	2889.0				

# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

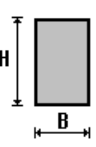
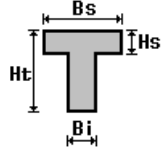
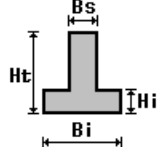
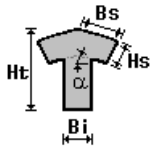
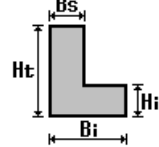
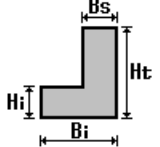
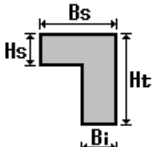
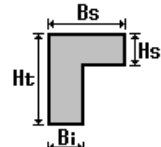
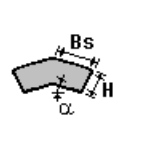
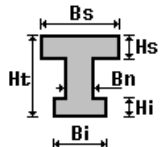
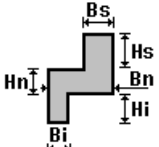
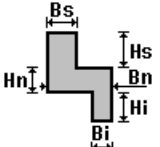
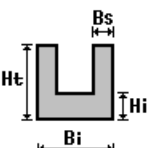
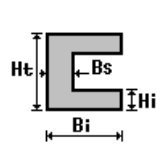
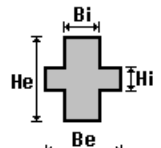
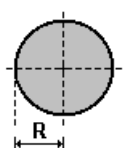
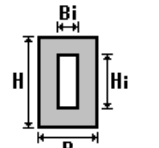
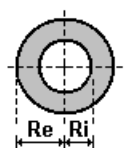
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

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

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

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

<b>Id</b>	<b>Tipo</b>	<b>Area</b>	<b>A V2</b>	<b>A V3</b>	<b>Jt</b>	<b>J 2-2</b>	<b>J 3-3</b>	<b>W 2-2</b>	<b>W 3-3</b>	<b>Wp 2-2</b>	<b>Wp 3-3</b>
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=100.00 h =150.00	1.500e+04	1.250e+04	1.250e+04	2.900e+07	1.250e+07	2.813e+07	2.500e+05	3.750e+05	3.750e+05	5.625e+05
2	Rettangolare: b=100.00 h =150.00	1.500e+04	1.250e+04	1.250e+04	2.900e+07	1.250e+07	2.813e+07	2.500e+05	3.750e+05	3.750e+05	5.625e+05
3	Rettangolare: b=100.00 h =80.00	8000.00	6666.67	6666.67	8.797e+06	6.667e+06	4.267e+06	1.333e+05	1.067e+05	2.000e+05	1.600e+05
4	Rettangolare: b=100.00 h =130.00	1.300e+04	1.083e+04	1.083e+04	2.301e+07	1.083e+07	1.831e+07	2.167e+05	2.817e+05	3.250e+05	4.225e+05



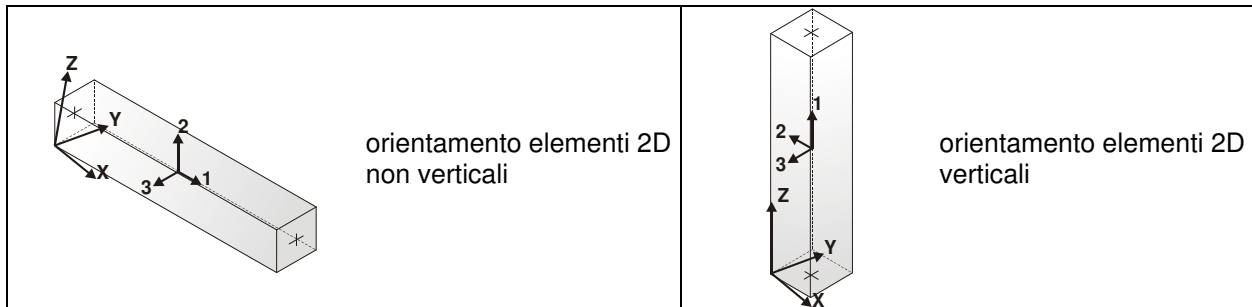
# MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

## TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
						gradi			daN/cm3	daN/cm3
1	Trave f.	25	28	3	1				1.00	1.00
2	Trave f.	18	25	3	1				1.00	1.00
3	Pilas.	38	39	3	2					
4	Pilas.	34	35	3	2					
5	Pilas.	32	33	3	2					
6	Pilas.	39	40	3	2					
7	Pilas.	33	34	3	2					
8	Pilas.	6	7	3	2					
9	Pilas.	2	3	3	2					
10	Pilas.	23	24	3	4					
11	Pilas.	19	20	3	4					
12	Pilas.	5	6	3	2					
13	Pilas.	3	4	3	2					
14	Pilas.	1	2	3	2					
15	Trave	13	14	3	3					
16	Trave	17	24	3	3					
17	Trave	9	10	3	3					
18	Trave	7	9	3	3					
19	Trave f.	12	16	3	1				1.00	1.00
20	Trave f.	16	18	3	1				1.00	1.00
21	Trave f.	8	12	3	1				1.00	1.00
22	Trave f.	1	8	3	1				1.00	1.00
23	Pilas.	22	23	3	4					
24	Pilas.	20	21	3	4					
25	Pilas.	18	19	3	4					
26	Trave	29	31	3	3					
27	Trave	31	40	3	3					
28	Trave	26	27	3	3					
29	Trave	24	26	3	3					
30	Trave f.	28	30	3	1				1.00	1.00
31	Trave f.	30	32	3	1				1.00	1.00
32	Trave	14	15	3	3					
33	Trave	11	13	3	3					
34	Trave	10	11	3	3					
35	Trave	15	17	3	3					
36	Trave	27	29	3	3					
37	Pilas.	4	5	3	2					
38	Pilas.	36	37	3	2					
39	Pilas.	35	36	3	2					
40	Pilas.	21	22	3	4					
41	Pilas.	37	38	3	2					

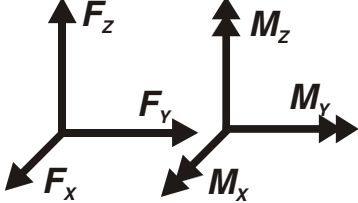
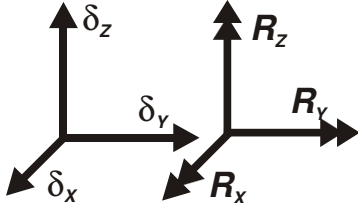
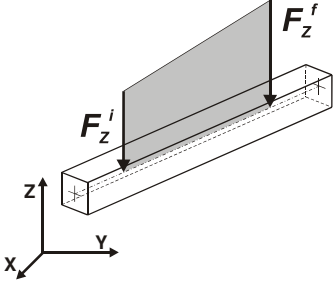
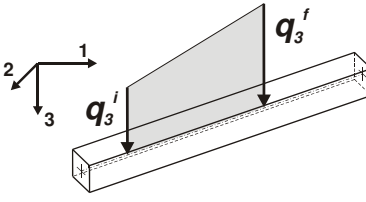
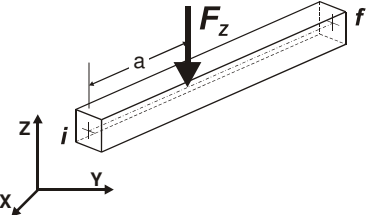
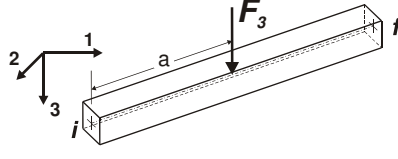
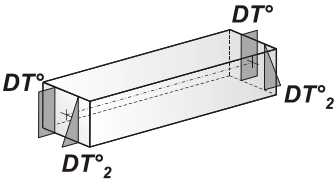
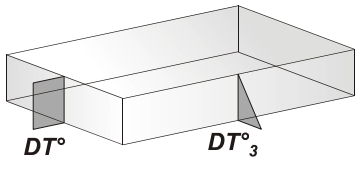
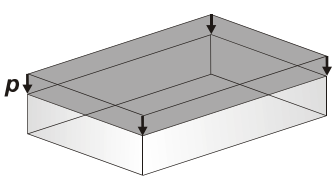
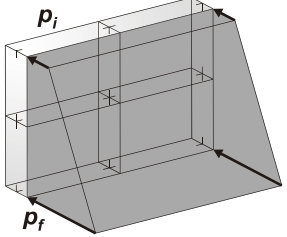
# MODELLAZIONE DELLE AZIONI

## LEGENDA TABELLA DATI AZIONI

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

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



	Carico concentrato nodale		Spostamento impresso
	Carico distribuito globale		Carico distribuito locale
	Carico concentrato globale		Carico concentrato locale
	Carico termico 2D		Carico termico 3D
	Carico pressione uniforme		Carico pressione variabile

**Tipo carico concentrato nodale**

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		kN	kN	kN	kN m	kN m	kN m
11	Qk3: frenamento	129.00	0.0	0.0	0.0	0.0	0.0

**Tipo variazione termica applicata a trave**

Id	Tipo	DT uniforme	DT iniziale	DT finale	DT 2-2 ini	DT 2-2 fin	DT 3-3 ini	DT 3-3 fin
		C	C	C	C	C	C	C
14	Qt1: azione termica uniforme	10.00	0.0	0.0	0.0	0.0	0.0	0.0
15	Qt2: azione termica a farfalla	0.0	0.0	0.0	5.00	-5.00	0.0	0.0

**Tipo carico variabile generale**

<b>Id</b>	<b>Tipo</b>	<b>ascissa</b>	<b>valore</b>	<b>ascissa</b>	<b>valore</b>
		m	kN/ m2	m	kN/ m2
1	Gk2: ricoprimento				
	Z - Z Qz Area L2=100.00	-1.00	-5.00	1.00	-5.00
2	GK3: spinta terreno statico x+				
	Z - Z Qx Area L2=100.00	-10.00	76.68	0.0	1.70
3	GK3: spinta terreno statico x-				
	Z - Z Qx Area L2=100.00	-7.80	-76.68	0.0	-1.70
6	Qk1: carico tandem				
	Z - Z Qz Pres. L2=0.0	-1.00	-76.92	1.00	-76.92
7	qk1: distribuito				
	Z - Z Qz Pres. L2=0.0	-1.00	-9.00	1.00	-9.00
8	Qk1.2: carico distribuito 20kN				
	Z - Z Qz Pres. L2=0.0	-1.00	-20.00	1.00	-20.00
9	Qk2: sovraccarico sul rilevato x+				
	Z - Z Qx Area L2=100.00	-10.00	6.76	0.0	32.76
10	Qk2: sovraccarico sul rilevato x-				
	Z - Z Qx Area L2=100.00	-10.00	-6.76	0.0	-32.76
12	Est: sovraspinta sismica terreno				
	Z - Z Qx Area L2=100.00	-7.80	20.92	0.0	20.92

# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

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

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

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

<b>CDC</b>	<b>Tipo</b>	<b>Sigla Id</b>	<b>Note</b>
1	Ggk	Gk1: peso proprio della struttura	
2	Gk	Gk2: carichi permanenti	D2 :da 3 a 7 Azione : GK3: spinta terreno statico x-
			D2 :da 8 a 9 Azione : GK3: spinta terreno statico x+
			D2 :da 12 a 14 Azione : GK3: spinta terreno statico x+
			D2 : 15 Azione : Gk2: ricoprimento
			D2 : 16 Azione : Gk2: ricoprimento
			D2 :da 17 a 18 Azione : Gk2: ricoprimento
			D2 :da 26 a 27 Azione : Gk2: ricoprimento
			D2 :da 28 a 29 Azione : Gk2: ricoprimento
			D2 : 32 Azione : Gk2: ricoprimento
			D2 : 33 Azione : Gk2: ricoprimento
			D2 : 34 Azione : Gk2: ricoprimento
			D2 : 35 Azione : Gk2: ricoprimento
			D2 : 36 Azione : Gk2: ricoprimento
			D2 : 37 Azione : GK3: spinta terreno statico x+
			D2 :da 38 a 39 Azione : GK3: spinta terreno statico x-
			D2 : 41 Azione : GK3: spinta terreno statico x-

CDC	Tipo	Sigla Id	Note
3	Qk	Qk1.1: carico da traffico setto	D2 :da 8 a 9 Azione : Qk2: sovraccarico sul rilevato x+
			D2 :da 12 a 14 Azione : Qk2: sovraccarico sul rilevato x+
			D2 : 15 Azione : qk1: distribuito
			D2 : 16 Azione : qk1: distribuito
			D2 :da 17 a 18 Azione : Qk1: carico tandem
			D2 :da 17 a 18 Azione : qk1: distribuito
			D2 :da 26 a 27 Azione : qk1: distribuito
			D2 :da 28 a 29 Azione : qk1: distribuito
			D2 : 32 Azione : qk1: distribuito
			D2 : 33 Azione : qk1: distribuito
			D2 : 34 Azione : qk1: distribuito
			D2 : 35 Azione : qk1: distribuito
			D2 : 36 Azione : qk1: distribuito
			D2 : 37 Azione : Qk2: sovraccarico sul rilevato x+
4	Qk	Qk1.2: carico stradale campata	D2 : 15 Azione : Qk1: carico tandem
			D2 : 15 Azione : qk1: distribuito
			D2 : 16 Azione : qk1: distribuito
			D2 :da 17 a 18 Azione : qk1: distribuito
			D2 :da 26 a 27 Azione : qk1: distribuito
			D2 :da 28 a 29 Azione : qk1: distribuito
			D2 : 32 Azione : qk1: distribuito
			D2 : 33 Azione : Qk1: carico tandem
			D2 : 33 Azione : qk1: distribuito
			D2 : 34 Azione : qk1: distribuito
5	Qk	Qk1.3: carico stradale setto centrale	D2 : 15 Azione : qk1: distribuito
			D2 : 16 Azione : Qk1: carico tandem
			D2 : 16 Azione : qk1: distribuito
			D2 :da 17 a 18 Azione : qk1: distribuito
			D2 :da 26 a 27 Azione : qk1: distribuito
			D2 :da 28 a 29 Azione : Qk1: carico tandem
			D2 :da 28 a 29 Azione : qk1: distribuito
			D2 : 32 Azione : qk1: distribuito
			D2 : 33 Azione : qk1: distribuito
			D2 : 34 Azione : qk1: distribuito
6	Qk	Q20kN: carico stradale 20kN	Nodo: 7 Azione : Qk3: frenamento
			D2 :da 3 a 7 Azione : Qk2: sovraccarico sul rilevato x-
			D2 : 15 Azione : Qk1.2: carico distribuito 20kN
			D2 : 15 Azione : qk1: distribuito
			D2 : 16 Azione : Qk1.2: carico distribuito 20kN
			D2 : 16 Azione : qk1: distribuito
			D2 :da 17 a 18 Azione : Qk1.2: carico distribuito 20kN
			D2 :da 17 a 18 Azione : qk1: distribuito
			D2 :da 26 a 27 Azione : Qk1.2: carico distribuito 20kN
			D2 :da 26 a 27 Azione : qk1: distribuito
D2 :da 28 a 29 Azione : Qk1.2: carico distribuito 20kN			
D2 :da 28 a 29 Azione : qk1: distribuito			
D2 : 32 Azione : Qk1.2: carico distribuito 20kN			
D2 : 32 Azione : qk1: distribuito			
D2 : 33 Azione : Qk1.2: carico distribuito 20kN			
D2 : 33 Azione : qk1: distribuito			
D2 : 34 Azione : Qk1.2: carico distribuito 20kN			
D2 : 34 Azione : qk1: distribuito			
D2 : 35 Azione : Qk1.2: carico distribuito 20kN			
D2 : 35 Azione : qk1: distribuito			
D2 : 36 Azione : Qk1.2: carico distribuito 20kN			
D2 : 36 Azione : qk1: distribuito			
D2 :da 38 a 39 Azione : Qk2: sovraccarico sul rilevato x-			
D2 : 41 Azione : Qk2: sovraccarico sul rilevato x-			
7	Qk	Qk3: frenamento	Nodo: 7 Azione : Qk3: frenamento
8	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. 0)	partecipazione:1.00 per 1 Gk1: peso proprio della struttura
9	Qk	Esf: sovraspinte sismiche	D2 :da 8 a 9 Azione : Est: sovraspinta sismica terreno
			D2 :da 12 a 14 Azione : Est: sovraspinta sismica terreno
10	Qk	Qt1: termica uniforme	D2 : 37 Azione : Est: sovraspinta sismica terreno
			D2 : 15 Azione : Qt1: azione termica uniforme
			D2 : 16 Azione : Qt1: azione termica uniforme
			D2 :da 17 a 18 Azione : Qt1: azione termica uniforme
			D2 :da 26 a 27 Azione : Qt1: azione termica uniforme
			D2 :da 28 a 29 Azione : Qt1: azione termica uniforme
			D2 : 32 Azione : Qt1: azione termica uniforme

CDC	Tipo	Sigla Id	Note
			D2 : 33 Azione : Qt1: azione termica uniforme
			D2 : 34 Azione : Qt1: azione termica uniforme
			D2 : 35 Azione : Qt1: azione termica uniforme
			D2 : 36 Azione : Qt1: azione termica uniforme
11	Qk	Qt2: termica a farfalla	D2 : 15 Azione : Qt2: azione termica a farfalla
			D2 : 16 Azione : Qt2: azione termica a farfalla
			D2 :da 17 a 18 Azione : Qt2: azione termica a farfalla
			D2 :da 26 a 27 Azione : Qt2: azione termica a farfalla
			D2 :da 28 a 29 Azione : Qt2: azione termica a farfalla
			D2 : 32 Azione : Qt2: azione termica a farfalla
			D2 : 33 Azione : Qt2: azione termica a farfalla
			D2 : 34 Azione : Qt2: azione termica a farfalla
			D2 : 35 Azione : Qt2: azione termica a farfalla
			D2 : 36 Azione : Qt2: azione termica a farfalla

# DEFINIZIONE DELLE COMBINAZIONI

## LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: *Numero, Tipo, Sigla identificativa*. Una seconda tabella riporta il *peso nella combinazione*, assunto per ogni caso di carico.

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	SLU STR 01	
2	SLU	SLU STR 02	
3	SLU	SLU STR 03	
4	SLU	SLU STR 04	
5	SLU	SLU STR 05	
6	SLU	SLU STR 06	
7	SLU	SLU STR 07	
8	SLU	SLU STR 08	
9	SLD(sis)	SISMA ORIZZONTALE	
10	SLE(r)	SLE RARA 01	
11	SLE(r)	SLE RARA 02	
12	SLE(r)	SLE RARA 03	
13	SLE(r)	SLE RARA 04	
14	SLE(f)	SLE FREQ. 01	
15	SLE(f)	SLE FREQ. 02	
16	SLE(f)	SLE FREQ. 03	
17	SLE(f)	SLE FREQ. 04	
18	SLE(p)	SLEQUASI PERMANENTE	

Cmb	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC	CDC
	1/15...	2/16...	3/17...	4/18...	5/19...	6/20...	7/21...	8/22...	9/23...	10/24...	11/25...	12/26...	13/27...	14/28...
1	1.35	1.35	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.70	0.0			
2	1.35	1.35	0.0	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.70			
3	1.35	1.35	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.70	0.0			
4	1.35	1.35	0.0	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.70			
5	1.35	1.35	0.75	0.0	0.0	0.0	1.35	0.0	0.0	0.70	0.0			
6	1.35	1.35	0.0	0.75	0.0	0.0	1.35	0.0	0.0	0.0	0.70			
7	1.35	1.35	0.0	0.0	0.75	0.0	1.35	0.0	0.0	0.70	0.0			
8	1.35	1.35	0.0	0.0	0.0	0.75	1.35	0.0	0.0	0.0	0.70			
9	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.50	0.0			
10	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0			
11	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.60			
12	1.00	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.60	0.0			
13	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.60			
14	1.00	1.00	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0			
15	1.00	1.00	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.50			
16	1.00	1.00	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.50	0.0			
17	1.00	1.00	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.50			
18	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0			

# AZIONE SISMICA

## VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento  $V_r$  che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento  $V_r$  e la probabilità di superamento  $P_{ver}$  associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno  $T_r$  e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag: accelerazione orizzontale massima del terreno;

Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T\*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita $V_n$ [anni]	Coeff. Uso	Periodo $V_r$ [anni]	Tipo di suolo	Categoria topografica
IV	50.0	2.0	100.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente  $S = S_s * S_t$  (3.2.5)

Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale

Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	9.650	45.178	
13598	9.592	45.172	4.580
13599	9.663	45.174	1.108
13377	9.660	45.224	5.158
13376	9.589	45.222	6.817

SL	P <sub>ver</sub>	T <sub>r</sub>	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	60.0	0.037	2.570	0.230
SLD	63.0	101.0	0.046	2.540	0.260
SLV	10.0	949.0	0.099	2.550	0.300
SLC	5.0	1950.0	0.125	2.540	0.310

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.038	1.500	2.570	0.672	0.131	0.392	1.750
SLD	0.046	1.500	2.540	0.734	0.142	0.426	1.783
SLV	0.099	1.500	2.550	1.083	0.156	0.469	1.996

<b>SL</b>	<b>ag</b>	<b>S</b>	<b>Fo</b>	<b>Fv</b>	<b>Tb</b>	<b>Tc</b>	<b>Td</b>
SLC	0.125	1.500	2.540	1.213	0.160	0.479	2.101



# RISULTATI ANALISI SISMICHE

## LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

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

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

- a) **analisi sismica statica equivalente:**
  - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
  - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
  - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2
  - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
  - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione  $\epsilon_T$  (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità

1000\*etaT/h da confrontare direttamente con i valori forniti nella norma ( es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000\*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo l' allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell' elastomero e tensioni nell' acciaio.

<b>Nodo</b>	Nodo di appoggio dell' isolatore
<b>Cmb</b>	Combinazione oggetto della verifica
<b>Verif.</b>	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
<b>dE</b>	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
<b>Ang fi</b>	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
<b>V</b>	Azione verticale agente
<b>Ar</b>	Area ridotta efficace
<b>Dim A2</b>	Dimensione utile per il calcolo della deformazione per rotazione
<b>Sig s</b>	Tensione nell' inserto in acciaio
<b>Gam c(a,s,t)</b>	Deformazioni di taglio dell' elastomero
<b>Vcr</b>	Carico critico per instabilità

Affinchè la verifica sia positiva deve essere:

- 1)  $V > 0$
- 2)  $Sig s < fyk$
- 3)  $Gam t < 5$
- 4)  $Gam s < Gam *$  (caratteristica dell' elastomero)
- 5)  $Gam s < 2$
- 6)  $V < 0.5 Vcr$

CDC	Tipo	Sigla Id	Note
8	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. 0)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.115 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: nulla
			periodo proprio T1: 0.350 sec.
			fattore di struttura q: 3.300
			fattore per spost. mu d: 4.082
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.115

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-XE	E agg. Y-YE	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	kN	kN	kN	m	m	m	m	m	m			
0.0	91.38	91.38	564.75	-1.29	0.0	0.0	0.0	-0.91	0.0	1.004	0.033	0.0
-0.20	3.39	94.77	21.50	-0.91	0.0	0.0	0.0	-0.91	0.0	1.004	0.0	0.0
-0.40	23.09	117.86	150.42	-3.32	0.0	0.0	0.0	-0.91	0.0	1.004	0.208	0.0



# RISULTATI NODALI

## LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	0.07	0.0	-2.06	0.0	-7.14e-04	0.0
1	2	-0.02	0.0	-1.94	0.0	-6.84e-04	0.0
1	3	-0.02	0.0	-1.72	0.0	-5.24e-04	0.0
1	4	-0.04	0.0	-1.97	0.0	-5.56e-04	0.0
1	5	0.09	0.0	-1.70	0.0	-3.94e-04	0.0
1	6	0.04	0.0	-1.62	0.0	-3.35e-04	0.0
1	7	0.04	0.0	-1.51	0.0	-2.88e-04	0.0
1	8	0.03	0.0	-1.63	0.0	-2.64e-04	0.0
1	9	0.10	0.0	-0.97	0.0	-6.00e-05	0.0
1	10	0.05	0.0	-1.53	0.0	-5.41e-04	0.0
1	11	-0.02	0.0	-1.44	0.0	-5.08e-04	0.0
1	12	-0.02	0.0	-1.28	0.0	-4.00e-04	0.0
1	13	-0.03	0.0	-1.46	0.0	-4.13e-04	0.0
1	14	0.03	0.0	-1.43	0.0	-4.83e-04	0.0
1	15	-0.02	0.0	-1.35	0.0	-4.52e-04	0.0
1	16	-0.02	0.0	-1.24	0.0	-3.78e-04	0.0
1	17	-0.03	0.0	-1.37	0.0	-3.81e-04	0.0
1	18	-0.02	0.0	-1.14	0.0	-3.54e-04	0.0
2	1	0.04	0.0	-2.06	0.0	-6.33e-04	0.0
2	2	-0.05	0.0	-1.94	0.0	-6.22e-04	0.0
2	3	-0.04	0.0	-1.72	0.0	-4.76e-04	0.0
2	4	-0.06	0.0	-1.97	0.0	-4.86e-04	0.0
2	5	0.08	0.0	-1.70	0.0	-3.18e-04	0.0
2	6	0.03	0.0	-1.62	0.0	-2.69e-04	0.0
2	7	0.03	0.0	-1.51	0.0	-2.31e-04	0.0
2	8	0.02	0.0	-1.63	0.0	-1.93e-04	0.0
2	9	0.10	0.0	-0.97	0.0	-1.22e-05	0.0
2	10	0.03	0.0	-1.53	0.0	-4.81e-04	0.0
2	11	-0.03	0.0	-1.44	0.0	-4.62e-04	0.0
2	12	-0.03	0.0	-1.28	0.0	-3.65e-04	0.0
2	13	-0.05	0.0	-1.46	0.0	-3.61e-04	0.0
2	14	0.02	0.0	-1.43	0.0	-4.29e-04	0.0
2	15	-0.03	0.0	-1.36	0.0	-4.08e-04	0.0
2	16	-0.03	0.0	-1.24	0.0	-3.42e-04	0.0
2	17	-0.04	0.0	-1.37	0.0	-3.32e-04	0.0
2	18	-0.03	0.0	-1.14	0.0	-3.19e-04	0.0
3	1	0.02	0.0	-2.06	0.0	-5.59e-04	0.0
3	2	-0.07	0.0	-1.94	0.0	-5.64e-04	0.0
3	3	-0.06	0.0	-1.72	0.0	-4.32e-04	0.0
3	4	-0.08	0.0	-1.97	0.0	-4.20e-04	0.0
3	5	0.07	0.0	-1.70	0.0	-2.49e-04	0.0
3	6	0.02	0.0	-1.62	0.0	-2.07e-04	0.0
3	7	0.02	0.0	-1.51	0.0	-1.79e-04	0.0
3	8	0.02	0.0	-1.63	0.0	-1.27e-04	0.0
3	9	0.10	0.0	-0.97	0.0	3.06e-05	0.0
3	10	0.01	0.0	-1.53	0.0	-4.26e-04	0.0
3	11	-0.05	0.0	-1.44	0.0	-4.19e-04	0.0
3	12	-0.04	0.0	-1.28	0.0	-3.33e-04	0.0
3	13	-0.06	0.0	-1.46	0.0	-3.12e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
3	14	1.83e-03	0.0	-1.43	0.0	-3.80e-04	0.0
3	15	-0.05	0.0	-1.36	0.0	-3.67e-04	0.0
3	16	-0.04	0.0	-1.24	0.0	-3.10e-04	0.0
3	17	-0.05	0.0	-1.37	0.0	-2.87e-04	0.0
3	18	-0.04	0.0	-1.14	0.0	-2.87e-04	0.0
4	1	-0.08	0.0	-2.07	0.0	-8.95e-05	0.0
4	2	-0.18	0.0	-1.94	0.0	-1.21e-04	0.0
4	3	-0.15	0.0	-1.73	0.0	-1.25e-04	0.0
4	4	-0.13	0.0	-1.97	0.0	7.23e-05	0.0
4	5	0.07	0.0	-1.71	0.0	1.83e-04	0.0
4	6	0.03	0.0	-1.62	0.0	2.19e-04	0.0
4	7	0.03	0.0	-1.52	0.0	1.63e-04	0.0
4	8	0.06	0.0	-1.64	0.0	3.26e-04	0.0
4	9	0.16	0.0	-0.98	0.0	2.55e-04	0.0
4	10	-0.06	0.0	-1.54	0.0	-8.16e-05	0.0
4	11	-0.14	0.0	-1.44	0.0	-9.06e-05	0.0
4	12	-0.12	0.0	-1.28	0.0	-1.08e-04	0.0
4	13	-0.10	0.0	-1.46	0.0	5.23e-05	0.0
4	14	-0.07	0.0	-1.44	0.0	-6.85e-05	0.0
4	15	-0.12	0.0	-1.36	0.0	-6.67e-05	0.0
4	16	-0.11	0.0	-1.24	0.0	-8.84e-05	0.0
4	17	-0.09	0.0	-1.38	0.0	4.05e-05	0.0
4	18	-0.10	0.0	-1.14	0.0	-8.54e-05	0.0
5	1	-0.07	0.0	-2.07	0.0	1.69e-04	0.0
5	2	-0.17	0.0	-1.95	0.0	2.30e-04	0.0
5	3	-0.16	0.0	-1.73	0.0	1.01e-04	0.0
5	4	-0.06	0.0	-1.98	0.0	4.27e-04	0.0
5	5	0.16	0.0	-1.71	0.0	3.93e-04	0.0
5	6	0.14	0.0	-1.62	0.0	4.80e-04	0.0
5	7	0.11	0.0	-1.52	0.0	3.55e-04	0.0
5	8	0.21	0.0	-1.64	0.0	5.89e-04	0.0
5	9	0.26	0.0	-0.98	0.0	3.35e-04	0.0
5	10	-0.06	0.0	-1.54	0.0	1.10e-04	0.0
5	11	-0.13	0.0	-1.44	0.0	1.69e-04	0.0
5	12	-0.13	0.0	-1.29	0.0	5.93e-05	0.0
5	13	-0.04	0.0	-1.46	0.0	3.15e-04	0.0
5	14	-0.06	0.0	-1.44	0.0	1.05e-04	0.0
5	15	-0.10	0.0	-1.36	0.0	1.58e-04	0.0
5	16	-0.11	0.0	-1.25	0.0	6.73e-05	0.0
5	17	-0.04	0.0	-1.38	0.0	2.67e-04	0.0
5	18	-0.11	0.0	-1.15	0.0	3.44e-05	0.0
6	1	-0.06	0.0	-2.07	0.0	1.86e-04	0.0
6	2	-0.16	0.0	-1.95	0.0	2.54e-04	0.0
6	3	-0.15	0.0	-1.73	0.0	1.17e-04	0.0
6	4	-0.05	0.0	-1.98	0.0	4.50e-04	0.0
6	5	0.17	0.0	-1.71	0.0	4.05e-04	0.0
6	6	0.15	0.0	-1.62	0.0	4.95e-04	0.0
6	7	0.12	0.0	-1.52	0.0	3.67e-04	0.0
6	8	0.22	0.0	-1.64	0.0	6.04e-04	0.0
6	9	0.26	0.0	-0.98	0.0	3.40e-04	0.0
6	10	-0.06	0.0	-1.54	0.0	1.22e-04	0.0
6	11	-0.12	0.0	-1.44	0.0	1.86e-04	0.0
6	12	-0.12	0.0	-1.29	0.0	7.10e-05	0.0
6	13	-0.04	0.0	-1.46	0.0	3.32e-04	0.0
6	14	-0.06	0.0	-1.44	0.0	1.16e-04	0.0
6	15	-0.10	0.0	-1.36	0.0	1.73e-04	0.0
6	16	-0.11	0.0	-1.25	0.0	7.79e-05	0.0
6	17	-0.04	0.0	-1.38	0.0	2.82e-04	0.0
6	18	-0.11	0.0	-1.15	0.0	4.21e-05	0.0
7	1	-0.06	0.0	-2.07	0.0	2.03e-04	0.0
7	2	-0.16	0.0	-1.95	0.0	2.78e-04	0.0
7	3	-0.15	0.0	-1.73	0.0	1.32e-04	0.0
7	4	-0.04	0.0	-1.98	0.0	4.73e-04	0.0
7	5	0.18	0.0	-1.71	0.0	4.17e-04	0.0
7	6	0.16	0.0	-1.62	0.0	5.11e-04	0.0
7	7	0.13	0.0	-1.52	0.0	3.78e-04	0.0
7	8	0.23	0.0	-1.64	0.0	6.19e-04	0.0
7	9	0.27	0.0	-0.98	0.0	3.45e-04	0.0
7	10	-0.05	0.0	-1.54	0.0	1.35e-04	0.0
7	11	-0.12	0.0	-1.44	0.0	2.04e-04	0.0
7	12	-0.12	0.0	-1.29	0.0	8.28e-05	0.0
7	13	-0.03	0.0	-1.46	0.0	3.49e-04	0.0
7	14	-0.06	0.0	-1.44	0.0	1.28e-04	0.0
7	15	-0.10	0.0	-1.36	0.0	1.88e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
7	16	-0.11	0.0	-1.25	0.0	8.87e-05	0.0
7	17	-0.03	0.0	-1.38	0.0	2.97e-04	0.0
7	18	-0.11	0.0	-1.15	0.0	4.99e-05	0.0
8	1	0.07	0.0	-2.00	0.0	-8.55e-04	0.0
8	2	-0.02	0.0	-1.88	0.0	-7.88e-04	0.0
8	3	-0.02	0.0	-1.68	0.0	-6.03e-04	0.0
8	4	-0.05	0.0	-1.92	0.0	-6.76e-04	0.0
8	5	0.09	0.0	-1.67	0.0	-5.28e-04	0.0
8	6	0.04	0.0	-1.59	0.0	-4.52e-04	0.0
8	7	0.04	0.0	-1.49	0.0	-3.88e-04	0.0
8	8	0.03	0.0	-1.61	0.0	-3.90e-04	0.0
8	9	0.10	0.0	-0.97	0.0	-1.48e-04	0.0
8	10	0.05	0.0	-1.49	0.0	-6.44e-04	0.0
8	11	-0.02	0.0	-1.39	0.0	-5.84e-04	0.0
8	12	-0.02	0.0	-1.25	0.0	-4.57e-04	0.0
8	13	-0.03	0.0	-1.42	0.0	-5.01e-04	0.0
8	14	0.03	0.0	-1.39	0.0	-5.77e-04	0.0
8	15	-0.02	0.0	-1.32	0.0	-5.25e-04	0.0
8	16	-0.02	0.0	-1.21	0.0	-4.37e-04	0.0
8	17	-0.03	0.0	-1.34	0.0	-4.63e-04	0.0
8	18	-0.02	0.0	-1.11	0.0	-4.14e-04	0.0
9	1	-0.05	0.0	-2.11	0.0	5.30e-04	0.0
9	2	-0.16	0.0	-1.99	0.0	7.88e-04	0.0
9	3	-0.15	0.0	-1.75	0.0	4.64e-04	0.0
9	4	-0.04	0.0	-2.04	0.0	9.44e-04	0.0
9	5	0.18	0.0	-1.76	0.0	6.42e-04	0.0
9	6	0.16	0.0	-1.68	0.0	8.30e-04	0.0
9	7	0.13	0.0	-1.56	0.0	6.05e-04	0.0
9	8	0.23	0.0	-1.70	0.0	9.16e-04	0.0
9	9	0.27	0.0	-1.01	0.0	4.50e-04	0.0
9	10	-0.05	0.0	-1.56	0.0	3.79e-04	0.0
9	11	-0.12	0.0	-1.48	0.0	5.82e-04	0.0
9	12	-0.12	0.0	-1.30	0.0	3.30e-04	0.0
9	13	-0.03	0.0	-1.51	0.0	6.97e-04	0.0
9	14	-0.05	0.0	-1.46	0.0	3.49e-04	0.0
9	15	-0.10	0.0	-1.39	0.0	5.08e-04	0.0
9	16	-0.10	0.0	-1.26	0.0	3.13e-04	0.0
9	17	-0.03	0.0	-1.42	0.0	5.95e-04	0.0
9	18	-0.10	0.0	-1.16	0.0	2.09e-04	0.0
10	1	-0.04	0.0	-2.24	0.0	6.59e-04	0.0
10	2	-0.16	0.0	-2.22	0.0	1.36e-03	0.0
10	3	-0.13	0.0	-1.89	0.0	8.08e-04	0.0
10	4	-0.04	0.0	-2.28	0.0	1.37e-03	0.0
10	5	0.20	0.0	-1.89	0.0	6.94e-04	0.0
10	6	0.16	0.0	-1.88	0.0	1.11e-03	0.0
10	7	0.14	0.0	-1.70	0.0	7.76e-04	0.0
10	8	0.23	0.0	-1.91	0.0	1.12e-03	0.0
10	9	0.28	0.0	-1.10	0.0	4.84e-04	0.0
10	10	-0.04	0.0	-1.66	0.0	4.78e-04	0.0
10	11	-0.12	0.0	-1.64	0.0	1.01e-03	0.0
10	12	-0.11	0.0	-1.40	0.0	5.88e-04	0.0
10	13	-0.03	0.0	-1.69	0.0	1.01e-03	0.0
10	14	-0.04	0.0	-1.55	0.0	4.57e-04	0.0
10	15	-0.10	0.0	-1.53	0.0	8.57e-04	0.0
10	16	-0.10	0.0	-1.35	0.0	5.39e-04	0.0
10	17	-0.03	0.0	-1.57	0.0	8.62e-04	0.0
10	18	-0.09	0.0	-1.22	0.0	3.54e-04	0.0
11	1	-0.02	0.0	-2.33	0.0	-3.24e-04	0.0
11	2	-0.16	0.0	-2.62	0.0	2.94e-04	0.0
11	3	-0.11	0.0	-2.11	0.0	1.62e-04	0.0
11	4	-0.04	0.0	-2.64	0.0	2.01e-04	0.0
11	5	0.22	0.0	-2.01	0.0	-2.01e-04	0.0
11	6	0.16	0.0	-2.17	0.0	1.44e-04	0.0
11	7	0.17	0.0	-1.89	0.0	6.92e-05	0.0
11	8	0.23	0.0	-2.19	0.0	9.22e-05	0.0
11	9	0.30	0.0	-1.20	0.0	-2.07e-05	0.0
11	10	-0.02	0.0	-1.72	0.0	-2.44e-04	0.0
11	11	-0.12	0.0	-1.94	0.0	2.14e-04	0.0
11	12	-0.09	0.0	-1.56	0.0	1.16e-04	0.0
11	13	-0.03	0.0	-1.96	0.0	1.45e-04	0.0
11	14	-0.03	0.0	-1.62	0.0	-1.89e-04	0.0
11	15	-0.10	0.0	-1.78	0.0	1.55e-04	0.0
11	16	-0.08	0.0	-1.50	0.0	8.13e-05	0.0
11	17	-0.03	0.0	-1.79	0.0	1.03e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
11	18	-0.07	0.0	-1.30	0.0	-3.81e-05	0.0
12	1	0.06	0.0	-1.41	0.0	-5.56e-04	0.0
12	2	-0.03	0.0	-1.39	0.0	-3.65e-04	0.0
12	3	-0.03	0.0	-1.34	0.0	-1.63e-04	0.0
12	4	-0.05	0.0	-1.49	0.0	-2.68e-04	0.0
12	5	0.08	0.0	-1.26	0.0	-3.82e-04	0.0
12	6	0.04	0.0	-1.25	0.0	-2.62e-04	0.0
12	7	0.04	0.0	-1.22	0.0	-1.64e-04	0.0
12	8	0.02	0.0	-1.30	0.0	-2.09e-04	0.0
12	9	0.10	0.0	-0.80	0.0	-1.40e-04	0.0
12	10	0.04	0.0	-1.04	0.0	-4.15e-04	0.0
12	11	-0.02	0.0	-1.03	0.0	-2.70e-04	0.0
12	12	-0.02	0.0	-0.99	0.0	-1.24e-04	0.0
12	13	-0.04	0.0	-1.11	0.0	-1.99e-04	0.0
12	14	0.03	0.0	-1.00	0.0	-3.58e-04	0.0
12	15	-0.02	0.0	-0.99	0.0	-2.47e-04	0.0
12	16	-0.02	0.0	-0.96	0.0	-1.40e-04	0.0
12	17	-0.03	0.0	-1.04	0.0	-1.93e-04	0.0
12	18	-0.02	0.0	-0.85	0.0	-1.98e-04	0.0
13	1	-7.83e-03	0.0	-2.26	0.0	-7.84e-04	0.0
13	2	-0.16	0.0	-2.61	0.0	-5.27e-04	0.0
13	3	-0.10	0.0	-2.10	0.0	-2.55e-04	0.0
13	4	-0.04	0.0	-2.62	0.0	-4.84e-04	0.0
13	5	0.23	0.0	-1.96	0.0	-6.02e-04	0.0
13	6	0.16	0.0	-2.16	0.0	-4.63e-04	0.0
13	7	0.18	0.0	-1.87	0.0	-3.07e-04	0.0
13	8	0.22	0.0	-2.17	0.0	-4.40e-04	0.0
13	9	0.31	0.0	-1.19	0.0	-2.54e-04	0.0
13	10	-0.01	0.0	-1.67	0.0	-5.84e-04	0.0
13	11	-0.12	0.0	-1.93	0.0	-3.94e-04	0.0
13	12	-0.08	0.0	-1.56	0.0	-1.91e-04	0.0
13	13	-0.03	0.0	-1.94	0.0	-3.63e-04	0.0
13	14	-0.02	0.0	-1.57	0.0	-5.02e-04	0.0
13	15	-0.10	0.0	-1.77	0.0	-3.60e-04	0.0
13	16	-0.07	0.0	-1.49	0.0	-2.07e-04	0.0
13	17	-0.03	0.0	-1.78	0.0	-3.37e-04	0.0
13	18	-0.07	0.0	-1.28	0.0	-2.65e-04	0.0
14	1	8.81e-04	0.0	-2.13	0.0	-1.19e-03	0.0
14	2	-0.16	0.0	-2.48	0.0	-1.32e-03	0.0
14	3	-0.09	0.0	-2.04	0.0	-6.57e-04	0.0
14	4	-0.04	0.0	-2.52	0.0	-1.13e-03	0.0
14	5	0.24	0.0	-1.85	0.0	-9.47e-04	0.0
14	6	0.16	0.0	-2.06	0.0	-1.03e-03	0.0
14	7	0.18	0.0	-1.81	0.0	-6.50e-04	0.0
14	8	0.22	0.0	-2.08	0.0	-9.24e-04	0.0
14	9	0.31	0.0	-1.14	0.0	-4.54e-04	0.0
14	10	-3.66e-03	0.0	-1.57	0.0	-8.84e-04	0.0
14	11	-0.12	0.0	-1.84	0.0	-9.83e-04	0.0
14	12	-0.07	0.0	-1.51	0.0	-4.88e-04	0.0
14	13	-0.03	0.0	-1.87	0.0	-8.43e-04	0.0
14	14	-0.01	0.0	-1.49	0.0	-7.81e-04	0.0
14	15	-0.10	0.0	-1.69	0.0	-8.57e-04	0.0
14	16	-0.06	0.0	-1.44	0.0	-4.84e-04	0.0
14	17	-0.03	0.0	-1.71	0.0	-7.51e-04	0.0
14	18	-0.06	0.0	-1.23	0.0	-4.78e-04	0.0
15	1	0.03	0.0	-1.42	0.0	-9.89e-04	0.0
15	2	-0.16	0.0	-1.55	0.0	-1.50e-03	0.0
15	3	-0.06	0.0	-1.54	0.0	-8.06e-04	0.0
15	4	-0.05	0.0	-1.71	0.0	-1.27e-03	0.0
15	5	0.27	0.0	-1.30	0.0	-6.46e-04	0.0
15	6	0.16	0.0	-1.39	0.0	-9.46e-04	0.0
15	7	0.22	0.0	-1.37	0.0	-5.44e-04	0.0
15	8	0.22	0.0	-1.47	0.0	-8.16e-04	0.0
15	9	0.33	0.0	-0.88	0.0	-2.29e-04	0.0
15	10	0.03	0.0	-1.05	0.0	-7.31e-04	0.0
15	11	-0.12	0.0	-1.15	0.0	-1.12e-03	0.0
15	12	-0.04	0.0	-1.14	0.0	-5.96e-04	0.0
15	13	-0.04	0.0	-1.27	0.0	-9.41e-04	0.0
15	14	9.85e-03	0.0	-1.01	0.0	-6.66e-04	0.0
15	15	-0.10	0.0	-1.09	0.0	-9.56e-04	0.0
15	16	-0.04	0.0	-1.08	0.0	-5.64e-04	0.0
15	17	-0.04	0.0	-1.18	0.0	-8.26e-04	0.0
15	18	-0.04	0.0	-0.91	0.0	-4.65e-04	0.0
16	1	0.05	0.0	-1.31	0.0	7.65e-05	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
16	2	-0.03	0.0	-1.39	0.0	1.04e-04	0.0
16	3	-0.03	0.0	-1.44	0.0	1.83e-04	0.0
16	4	-0.05	0.0	-1.57	0.0	2.16e-04	0.0
16	5	0.08	0.0	-1.24	0.0	1.86e-04	0.0
16	6	0.03	0.0	-1.29	0.0	2.00e-04	0.0
16	7	0.03	0.0	-1.31	0.0	2.45e-04	0.0
16	8	0.02	0.0	-1.39	0.0	2.62e-04	0.0
16	9	0.09	0.0	-0.85	0.0	2.01e-04	0.0
16	10	0.04	0.0	-0.97	0.0	5.70e-05	0.0
16	11	-0.02	0.0	-1.03	0.0	7.68e-05	0.0
16	12	-0.02	0.0	-1.06	0.0	1.36e-04	0.0
16	13	-0.04	0.0	-1.16	0.0	1.60e-04	0.0
16	14	0.02	0.0	-0.94	0.0	6.59e-05	0.0
16	15	-0.02	0.0	-0.99	0.0	8.05e-05	0.0
16	16	-0.02	0.0	-1.01	0.0	1.25e-04	0.0
16	17	-0.04	0.0	-1.09	0.0	1.43e-04	0.0
16	18	-0.02	0.0	-0.86	0.0	9.39e-05	0.0
17	1	0.04	0.0	-1.36	0.0	-6.22e-04	0.0
17	2	-0.16	0.0	-1.46	0.0	-1.04e-03	0.0
17	3	-0.05	0.0	-1.49	0.0	-5.25e-04	0.0
17	4	-0.05	0.0	-1.64	0.0	-7.96e-04	0.0
17	5	0.27	0.0	-1.27	0.0	-2.98e-04	0.0
17	6	0.16	0.0	-1.34	0.0	-5.47e-04	0.0
17	7	0.22	0.0	-1.34	0.0	-2.44e-04	0.0
17	8	0.22	0.0	-1.43	0.0	-4.09e-04	0.0
17	9	0.34	0.0	-0.87	0.0	-1.09e-05	0.0
17	10	0.03	0.0	-1.01	0.0	-4.60e-04	0.0
17	11	-0.12	0.0	-1.08	0.0	-7.76e-04	0.0
17	12	-0.04	0.0	-1.10	0.0	-3.88e-04	0.0
17	13	-0.04	0.0	-1.21	0.0	-5.92e-04	0.0
17	14	0.01	0.0	-0.98	0.0	-4.19e-04	0.0
17	15	-0.10	0.0	-1.04	0.0	-6.59e-04	0.0
17	16	-0.04	0.0	-1.05	0.0	-3.65e-04	0.0
17	17	-0.04	0.0	-1.13	0.0	-5.21e-04	0.0
17	18	-0.03	0.0	-0.88	0.0	-2.94e-04	0.0
18	1	0.05	0.0	-1.32	0.0	4.49e-05	0.0
18	2	-0.03	0.0	-1.40	0.0	3.98e-05	0.0
18	3	-0.03	0.0	-1.44	0.0	1.03e-04	0.0
18	4	-0.05	0.0	-1.58	0.0	1.40e-04	0.0
18	5	0.08	0.0	-1.25	0.0	1.70e-04	0.0
18	6	0.03	0.0	-1.30	0.0	1.64e-04	0.0
18	7	0.03	0.0	-1.32	0.0	2.02e-04	0.0
18	8	0.02	0.0	-1.40	0.0	2.20e-04	0.0
18	9	0.09	0.0	-0.86	0.0	1.96e-04	0.0
18	10	0.04	0.0	-0.97	0.0	3.40e-05	0.0
18	11	-0.02	0.0	-1.03	0.0	2.94e-05	0.0
18	12	-0.02	0.0	-1.07	0.0	7.71e-05	0.0
18	13	-0.04	0.0	-1.17	0.0	1.04e-04	0.0
18	14	0.02	0.0	-0.95	0.0	4.13e-05	0.0
18	15	-0.02	0.0	-0.99	0.0	3.74e-05	0.0
18	16	-0.02	0.0	-1.02	0.0	7.37e-05	0.0
18	17	-0.04	0.0	-1.10	0.0	9.32e-05	0.0
18	18	-0.02	0.0	-0.86	0.0	6.61e-05	0.0
19	1	0.06	0.0	-1.32	0.0	4.53e-05	0.0
19	2	-0.03	0.0	-1.40	0.0	2.60e-05	0.0
19	3	-0.03	0.0	-1.45	0.0	9.02e-05	0.0
19	4	-0.05	0.0	-1.58	0.0	1.31e-04	0.0
19	5	0.09	0.0	-1.25	0.0	1.93e-04	0.0
19	6	0.04	0.0	-1.30	0.0	1.78e-04	0.0
19	7	0.04	0.0	-1.32	0.0	2.18e-04	0.0
19	8	0.03	0.0	-1.40	0.0	2.37e-04	0.0
19	9	0.10	0.0	-0.86	0.0	2.23e-04	0.0
19	10	0.04	0.0	-0.97	0.0	3.44e-05	0.0
19	11	-0.02	0.0	-1.03	0.0	1.91e-05	0.0
19	12	-0.02	0.0	-1.07	0.0	6.76e-05	0.0
19	13	-0.04	0.0	-1.17	0.0	9.69e-05	0.0
19	14	0.03	0.0	-0.95	0.0	3.95e-05	0.0
19	15	-0.02	0.0	-0.99	0.0	2.74e-05	0.0
19	16	-0.02	0.0	-1.02	0.0	6.44e-05	0.0
19	17	-0.03	0.0	-1.10	0.0	8.58e-05	0.0
19	18	-0.02	0.0	-0.86	0.0	5.77e-05	0.0
20	1	0.06	0.0	-1.32	0.0	4.48e-05	0.0
20	2	-0.03	0.0	-1.40	0.0	1.12e-05	0.0
20	3	-0.03	0.0	-1.45	0.0	7.74e-05	0.0



Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
20	4	-0.05	0.0	-1.58	0.0	1.21e-04	0.0
20	5	0.09	0.0	-1.25	0.0	2.13e-04	0.0
20	6	0.04	0.0	-1.30	0.0	1.90e-04	0.0
20	7	0.05	0.0	-1.32	0.0	2.31e-04	0.0
20	8	0.04	0.0	-1.41	0.0	2.51e-04	0.0
20	9	0.11	0.0	-0.86	0.0	2.46e-04	0.0
20	10	0.04	0.0	-0.97	0.0	3.40e-05	0.0
20	11	-0.02	0.0	-1.04	0.0	8.04e-06	0.0
20	12	-0.02	0.0	-1.07	0.0	5.81e-05	0.0
20	13	-0.03	0.0	-1.17	0.0	8.96e-05	0.0
20	14	0.03	0.0	-0.95	0.0	3.71e-05	0.0
20	15	-0.02	0.0	-1.00	0.0	1.70e-05	0.0
20	16	-0.02	0.0	-1.02	0.0	5.52e-05	0.0
20	17	-0.03	0.0	-1.10	0.0	7.81e-05	0.0
20	18	-0.02	0.0	-0.86	0.0	4.95e-05	0.0
21	1	0.07	0.0	-1.33	0.0	-8.91e-06	0.0
21	2	-0.06	0.0	-1.41	0.0	-1.77e-04	0.0
21	3	-0.02	0.0	-1.46	0.0	-3.40e-05	0.0
21	4	-0.02	0.0	-1.59	0.0	0.0	0.0
21	5	0.19	0.0	-1.26	0.0	2.86e-04	0.0
21	6	0.12	0.0	-1.31	0.0	1.84e-04	0.0
21	7	0.14	0.0	-1.33	0.0	2.72e-04	0.0
21	8	0.14	0.0	-1.41	0.0	2.83e-04	0.0
21	9	0.22	0.0	-0.87	0.0	3.56e-04	0.0
21	10	0.05	0.0	-0.98	0.0	-5.59e-06	0.0
21	11	-0.04	0.0	-1.04	0.0	-1.32e-04	0.0
21	12	-0.01	0.0	-1.08	0.0	-2.42e-05	0.0
21	13	-0.02	0.0	-1.18	0.0	0.0	0.0
21	14	0.03	0.0	-0.95	0.0	-9.69e-06	0.0
21	15	-0.04	0.0	-1.00	0.0	-1.06e-04	0.0
21	16	-0.01	0.0	-1.03	0.0	-2.36e-05	0.0
21	17	-0.02	0.0	-1.11	0.0	-7.35e-06	0.0
21	18	-0.01	0.0	-0.87	0.0	-1.83e-05	0.0
22	1	0.05	0.0	-1.33	0.0	-1.28e-04	0.0
22	2	-0.14	0.0	-1.41	0.0	-4.11e-04	0.0
22	3	-0.04	0.0	-1.46	0.0	-1.17e-04	0.0
22	4	-0.04	0.0	-1.60	0.0	-1.46e-04	0.0
22	5	0.27	0.0	-1.26	0.0	1.73e-04	0.0
22	6	0.16	0.0	-1.31	0.0	2.94e-06	0.0
22	7	0.22	0.0	-1.34	0.0	1.79e-04	0.0
22	8	0.21	0.0	-1.42	0.0	1.51e-04	0.0
22	9	0.33	0.0	-0.87	0.0	2.86e-04	0.0
22	10	0.04	0.0	-0.98	0.0	-9.39e-05	0.0
22	11	-0.11	0.0	-1.05	0.0	-3.07e-04	0.0
22	12	-0.03	0.0	-1.08	0.0	-8.57e-05	0.0
22	13	-0.03	0.0	-1.19	0.0	-1.10e-04	0.0
22	14	0.02	0.0	-0.96	0.0	-8.71e-05	0.0
22	15	-0.09	0.0	-1.01	0.0	-2.49e-04	0.0
22	16	-0.03	0.0	-1.03	0.0	-8.09e-05	0.0
22	17	-0.03	0.0	-1.11	0.0	-1.01e-04	0.0
22	18	-0.03	0.0	-0.87	0.0	-6.27e-05	0.0
23	1	0.05	0.0	-1.33	0.0	-1.38e-04	0.0
23	2	-0.15	0.0	-1.41	0.0	-4.29e-04	0.0
23	3	-0.04	0.0	-1.46	0.0	-1.22e-04	0.0
23	4	-0.05	0.0	-1.60	0.0	-1.57e-04	0.0
23	5	0.27	0.0	-1.26	0.0	1.60e-04	0.0
23	6	0.16	0.0	-1.32	0.0	-1.44e-05	0.0
23	7	0.22	0.0	-1.34	0.0	1.69e-04	0.0
23	8	0.21	0.0	-1.42	0.0	1.37e-04	0.0
23	9	0.34	0.0	-0.87	0.0	2.77e-04	0.0
23	10	0.03	0.0	-0.99	0.0	-1.01e-04	0.0
23	11	-0.11	0.0	-1.05	0.0	-3.20e-04	0.0
23	12	-0.03	0.0	-1.08	0.0	-8.93e-05	0.0
23	13	-0.03	0.0	-1.19	0.0	-1.18e-04	0.0
23	14	0.02	0.0	-0.96	0.0	-9.32e-05	0.0
23	15	-0.09	0.0	-1.01	0.0	-2.59e-04	0.0
23	16	-0.03	0.0	-1.03	0.0	-8.42e-05	0.0
23	17	-0.03	0.0	-1.11	0.0	-1.08e-04	0.0
23	18	-0.03	0.0	-0.87	0.0	-6.51e-05	0.0
24	1	0.04	0.0	-1.33	0.0	-1.48e-04	0.0
24	2	-0.16	0.0	-1.41	0.0	-4.47e-04	0.0
24	3	-0.05	0.0	-1.46	0.0	-1.27e-04	0.0
24	4	-0.05	0.0	-1.60	0.0	-1.68e-04	0.0
24	5	0.27	0.0	-1.26	0.0	1.46e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
24	6	0.16	0.0	-1.32	0.0	-3.24e-05	0.0
24	7	0.22	0.0	-1.34	0.0	1.59e-04	0.0
24	8	0.22	0.0	-1.42	0.0	1.23e-04	0.0
24	9	0.34	0.0	-0.87	0.0	2.67e-04	0.0
24	10	0.03	0.0	-0.99	0.0	-1.09e-04	0.0
24	11	-0.12	0.0	-1.05	0.0	-3.33e-04	0.0
24	12	-0.03	0.0	-1.08	0.0	-9.29e-05	0.0
24	13	-0.04	0.0	-1.19	0.0	-1.27e-04	0.0
24	14	0.02	0.0	-0.96	0.0	-9.95e-05	0.0
24	15	-0.10	0.0	-1.01	0.0	-2.70e-04	0.0
24	16	-0.03	0.0	-1.03	0.0	-8.75e-05	0.0
24	17	-0.04	0.0	-1.11	0.0	-1.15e-04	0.0
24	18	-0.03	0.0	-0.87	0.0	-6.74e-05	0.0
25	1	0.05	0.0	-1.32	0.0	1.04e-05	0.0
25	2	-0.03	0.0	-1.40	0.0	-1.19e-05	0.0
25	3	-0.03	0.0	-1.45	0.0	3.68e-05	0.0
25	4	-0.06	0.0	-1.59	0.0	7.28e-05	0.0
25	5	0.08	0.0	-1.26	0.0	1.27e-04	0.0
25	6	0.03	0.0	-1.31	0.0	1.11e-04	0.0
25	7	0.03	0.0	-1.33	0.0	1.42e-04	0.0
25	8	0.02	0.0	-1.42	0.0	1.58e-04	0.0
25	9	0.09	0.0	-0.87	0.0	1.62e-04	0.0
25	10	0.04	0.0	-0.97	0.0	8.77e-06	0.0
25	11	-0.02	0.0	-1.03	0.0	-8.83e-06	0.0
25	12	-0.02	0.0	-1.07	0.0	2.83e-05	0.0
25	13	-0.04	0.0	-1.18	0.0	5.39e-05	0.0
25	14	0.02	0.0	-0.95	0.0	1.73e-05	0.0
25	15	-0.02	0.0	-1.00	0.0	3.46e-06	0.0
25	16	-0.02	0.0	-1.02	0.0	3.20e-05	0.0
25	17	-0.04	0.0	-1.10	0.0	5.05e-05	0.0
25	18	-0.02	0.0	-0.87	0.0	4.69e-05	0.0
26	1	0.05	0.0	-1.34	0.0	1.90e-04	0.0
26	2	-0.16	0.0	-1.40	0.0	-7.36e-05	0.0
26	3	-0.04	0.0	-1.47	0.0	2.10e-04	0.0
26	4	-0.05	0.0	-1.61	0.0	3.19e-04	0.0
26	5	0.28	0.0	-1.28	0.0	4.07e-04	0.0
26	6	0.15	0.0	-1.33	0.0	2.46e-04	0.0
26	7	0.23	0.0	-1.36	0.0	4.19e-04	0.0
26	8	0.22	0.0	-1.44	0.0	4.64e-04	0.0
26	9	0.34	0.0	-0.90	0.0	4.08e-04	0.0
26	10	0.04	0.0	-0.99	0.0	1.41e-04	0.0
26	11	-0.12	0.0	-1.04	0.0	-5.76e-05	0.0
26	12	-0.03	0.0	-1.09	0.0	1.57e-04	0.0
26	13	-0.04	0.0	-1.20	0.0	2.33e-04	0.0
26	14	0.02	0.0	-0.96	0.0	1.38e-04	0.0
26	15	-0.10	0.0	-1.00	0.0	-1.41e-05	0.0
26	16	-0.03	0.0	-1.04	0.0	1.49e-04	0.0
26	17	-0.04	0.0	-1.12	0.0	2.04e-04	0.0
26	18	-0.03	0.0	-0.88	0.0	1.30e-04	0.0
27	1	0.05	0.0	-1.36	0.0	4.41e-04	0.0
27	2	-0.16	0.0	-1.41	0.0	2.09e-04	0.0
27	3	-0.04	0.0	-1.49	0.0	4.43e-04	0.0
27	4	-0.05	0.0	-1.65	0.0	6.71e-04	0.0
27	5	0.28	0.0	-1.32	0.0	5.96e-04	0.0
27	6	0.15	0.0	-1.35	0.0	4.49e-04	0.0
27	7	0.23	0.0	-1.39	0.0	5.97e-04	0.0
27	8	0.22	0.0	-1.49	0.0	7.06e-04	0.0
27	9	0.35	0.0	-0.93	0.0	5.07e-04	0.0
27	10	0.04	0.0	-1.01	0.0	3.27e-04	0.0
27	11	-0.12	0.0	-1.04	0.0	1.51e-04	0.0
27	12	-0.03	0.0	-1.11	0.0	3.29e-04	0.0
27	13	-0.04	0.0	-1.22	0.0	4.94e-04	0.0
27	14	0.02	0.0	-0.98	0.0	3.14e-04	0.0
27	15	-0.10	0.0	-1.01	0.0	1.79e-04	0.0
27	16	-0.03	0.0	-1.05	0.0	3.15e-04	0.0
27	17	-0.04	0.0	-1.14	0.0	4.36e-04	0.0
27	18	-0.02	0.0	-0.89	0.0	2.78e-04	0.0
28	1	0.05	0.0	-1.37	0.0	2.78e-04	0.0
28	2	-0.04	0.0	-1.40	0.0	1.49e-04	0.0
28	3	-0.04	0.0	-1.47	0.0	1.97e-04	0.0
28	4	-0.06	0.0	-1.64	0.0	2.86e-04	0.0
28	5	0.07	0.0	-1.36	0.0	3.73e-04	0.0
28	6	0.03	0.0	-1.38	0.0	2.84e-04	0.0
28	7	0.03	0.0	-1.42	0.0	3.28e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
28	8	0.01	0.0	-1.52	0.0	3.60e-04	0.0
28	9	0.09	0.0	-0.98	0.0	3.27e-04	0.0
28	10	0.04	0.0	-1.01	0.0	2.10e-04	0.0
28	11	-0.03	0.0	-1.04	0.0	1.10e-04	0.0
28	12	-0.03	0.0	-1.09	0.0	1.50e-04	0.0
28	13	-0.04	0.0	-1.22	0.0	2.12e-04	0.0
28	14	0.02	0.0	-0.99	0.0	2.08e-04	0.0
28	15	-0.03	0.0	-1.01	0.0	1.31e-04	0.0
28	16	-0.03	0.0	-1.05	0.0	1.63e-04	0.0
28	17	-0.04	0.0	-1.14	0.0	2.07e-04	0.0
28	18	-0.03	0.0	-0.92	0.0	2.19e-04	0.0
29	1	0.09	0.0	-1.69	0.0	4.19e-04	0.0
29	2	-0.16	0.0	-1.68	0.0	3.07e-04	0.0
29	3	-4.47e-03	0.0	-1.80	0.0	3.30e-04	0.0
29	4	-0.05	0.0	-2.12	0.0	4.28e-04	0.0
29	5	0.32	0.0	-1.67	0.0	4.56e-04	0.0
29	6	0.15	0.0	-1.67	0.0	3.59e-04	0.0
29	7	0.27	0.0	-1.73	0.0	4.07e-04	0.0
29	8	0.21	0.0	-1.91	0.0	4.26e-04	0.0
29	9	0.37	0.0	-1.19	0.0	3.58e-04	0.0
29	10	0.07	0.0	-1.25	0.0	3.14e-04	0.0
29	11	-0.12	0.0	-1.25	0.0	2.22e-04	0.0
29	12	2.51e-03	0.0	-1.33	0.0	2.48e-04	0.0
29	13	-0.04	0.0	-1.57	0.0	3.11e-04	0.0
29	14	0.05	0.0	-1.21	0.0	3.09e-04	0.0
29	15	-0.10	0.0	-1.21	0.0	2.35e-04	0.0
29	16	-3.35e-03	0.0	-1.27	0.0	2.60e-04	0.0
29	17	-0.04	0.0	-1.45	0.0	3.02e-04	0.0
29	18	5.23e-04	0.0	-1.10	0.0	3.09e-04	0.0
30	1	0.04	0.0	-1.61	0.0	4.49e-04	0.0
30	2	-0.04	0.0	-1.55	0.0	2.29e-04	0.0
30	3	-0.04	0.0	-1.68	0.0	4.10e-04	0.0
30	4	-0.07	0.0	-1.90	0.0	4.54e-04	0.0
30	5	0.07	0.0	-1.68	0.0	6.30e-04	0.0
30	6	0.02	0.0	-1.63	0.0	4.67e-04	0.0
30	7	0.02	0.0	-1.71	0.0	6.08e-04	0.0
30	8	8.57e-03	0.0	-1.82	0.0	5.92e-04	0.0
30	9	0.09	0.0	-1.25	0.0	5.53e-04	0.0
30	10	0.03	0.0	-1.20	0.0	3.43e-04	0.0
30	11	-0.03	0.0	-1.14	0.0	1.69e-04	0.0
30	12	-0.03	0.0	-1.25	0.0	3.14e-04	0.0
30	13	-0.05	0.0	-1.41	0.0	3.36e-04	0.0
30	14	0.02	0.0	-1.17	0.0	3.23e-04	0.0
30	15	-0.03	0.0	-1.13	0.0	1.86e-04	0.0
30	16	-0.03	0.0	-1.20	0.0	3.02e-04	0.0
30	17	-0.04	0.0	-1.32	0.0	3.12e-04	0.0
30	18	-0.03	0.0	-1.09	0.0	3.03e-04	0.0
31	1	0.12	0.0	-1.66	0.0	-1.97e-04	0.0
31	2	-0.16	0.0	-1.59	0.0	-4.24e-04	0.0
31	3	0.03	0.0	-1.72	0.0	-2.27e-04	0.0
31	4	-0.06	0.0	-1.96	0.0	-4.80e-04	0.0
31	5	0.35	0.0	-1.72	0.0	6.01e-05	0.0
31	6	0.15	0.0	-1.67	0.0	-1.25e-04	0.0
31	7	0.30	0.0	-1.76	0.0	4.37e-05	0.0
31	8	0.21	0.0	-1.88	0.0	-1.56e-04	0.0
31	9	0.40	0.0	-1.28	0.0	1.89e-04	0.0
31	10	0.10	0.0	-1.23	0.0	-1.33e-04	0.0
31	11	-0.12	0.0	-1.18	0.0	-3.17e-04	0.0
31	12	0.03	0.0	-1.28	0.0	-1.55e-04	0.0
31	13	-0.04	0.0	-1.46	0.0	-3.58e-04	0.0
31	14	0.07	0.0	-1.20	0.0	-1.29e-04	0.0
31	15	-0.10	0.0	-1.16	0.0	-2.76e-04	0.0
31	16	0.02	0.0	-1.24	0.0	-1.46e-04	0.0
31	17	-0.04	0.0	-1.37	0.0	-3.08e-04	0.0
31	18	0.03	0.0	-1.12	0.0	-7.07e-05	0.0
32	1	0.04	0.0	-1.64	0.0	3.74e-04	0.0
32	2	-0.04	0.0	-1.56	0.0	1.42e-04	0.0
32	3	-0.04	0.0	-1.70	0.0	3.43e-04	0.0
32	4	-0.07	0.0	-1.93	0.0	3.55e-04	0.0
32	5	0.07	0.0	-1.72	0.0	5.73e-04	0.0
32	6	0.02	0.0	-1.66	0.0	4.00e-04	0.0
32	7	0.02	0.0	-1.76	0.0	5.56e-04	0.0
32	8	7.97e-03	0.0	-1.86	0.0	5.18e-04	0.0
32	9	0.08	0.0	-1.29	0.0	5.21e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
32	10	0.03	0.0	-1.22	0.0	2.88e-04	0.0
32	11	-0.03	0.0	-1.16	0.0	1.04e-04	0.0
32	12	-0.03	0.0	-1.27	0.0	2.65e-04	0.0
32	13	-0.05	0.0	-1.43	0.0	2.62e-04	0.0
32	14	0.02	0.0	-1.19	0.0	2.68e-04	0.0
32	15	-0.03	0.0	-1.14	0.0	1.23e-04	0.0
32	16	-0.03	0.0	-1.23	0.0	2.51e-04	0.0
32	17	-0.04	0.0	-1.34	0.0	2.41e-04	0.0
32	18	-0.03	0.0	-1.11	0.0	2.49e-04	0.0
33	1	0.06	0.0	-1.64	0.0	3.30e-04	0.0
33	2	-0.04	0.0	-1.56	0.0	9.19e-05	0.0
33	3	-0.03	0.0	-1.71	0.0	3.02e-04	0.0
33	4	-0.05	0.0	-1.93	0.0	2.97e-04	0.0
33	5	0.09	0.0	-1.72	0.0	5.39e-04	0.0
33	6	0.04	0.0	-1.66	0.0	3.60e-04	0.0
33	7	0.04	0.0	-1.76	0.0	5.24e-04	0.0
33	8	0.03	0.0	-1.86	0.0	4.74e-04	0.0
33	9	0.10	0.0	-1.29	0.0	5.01e-04	0.0
33	10	0.04	0.0	-1.22	0.0	2.56e-04	0.0
33	11	-0.03	0.0	-1.16	0.0	6.75e-05	0.0
33	12	-0.02	0.0	-1.27	0.0	2.36e-04	0.0
33	13	-0.04	0.0	-1.43	0.0	2.19e-04	0.0
33	14	0.03	0.0	-1.19	0.0	2.36e-04	0.0
33	15	-0.03	0.0	-1.14	0.0	8.70e-05	0.0
33	16	-0.02	0.0	-1.23	0.0	2.21e-04	0.0
33	17	-0.04	0.0	-1.34	0.0	2.01e-04	0.0
33	18	-0.02	0.0	-1.11	0.0	2.18e-04	0.0
34	1	0.07	0.0	-1.64	0.0	2.90e-04	0.0
34	2	-0.04	0.0	-1.56	0.0	4.76e-05	0.0
34	3	-0.02	0.0	-1.71	0.0	2.67e-04	0.0
34	4	-0.05	0.0	-1.93	0.0	2.46e-04	0.0
34	5	0.11	0.0	-1.72	0.0	5.08e-04	0.0
34	6	0.05	0.0	-1.66	0.0	3.25e-04	0.0
34	7	0.06	0.0	-1.76	0.0	4.95e-04	0.0
34	8	0.04	0.0	-1.86	0.0	4.35e-04	0.0
34	9	0.12	0.0	-1.29	0.0	4.83e-04	0.0
34	10	0.05	0.0	-1.22	0.0	2.27e-04	0.0
34	11	-0.03	0.0	-1.16	0.0	3.46e-05	0.0
34	12	-0.01	0.0	-1.27	0.0	2.10e-04	0.0
34	13	-0.03	0.0	-1.43	0.0	1.82e-04	0.0
34	14	0.03	0.0	-1.19	0.0	2.07e-04	0.0
34	15	-0.03	0.0	-1.14	0.0	5.50e-05	0.0
34	16	-0.01	0.0	-1.23	0.0	1.94e-04	0.0
34	17	-0.03	0.0	-1.34	0.0	1.65e-04	0.0
34	18	-0.02	0.0	-1.12	0.0	1.91e-04	0.0
35	1	0.10	0.0	-1.64	0.0	1.64e-04	0.0
35	2	-0.04	0.0	-1.56	0.0	-9.65e-05	0.0
35	3	0.01	0.0	-1.71	0.0	1.53e-04	0.0
35	4	-0.02	0.0	-1.93	0.0	8.26e-05	0.0
35	5	0.18	0.0	-1.72	0.0	4.15e-04	0.0
35	6	0.09	0.0	-1.66	0.0	2.15e-04	0.0
35	7	0.13	0.0	-1.76	0.0	4.08e-04	0.0
35	8	0.10	0.0	-1.87	0.0	3.14e-04	0.0
35	9	0.20	0.0	-1.29	0.0	4.32e-04	0.0
35	10	0.08	0.0	-1.22	0.0	1.35e-04	0.0
35	11	-0.03	0.0	-1.16	0.0	-7.24e-05	0.0
35	12	0.01	0.0	-1.27	0.0	1.27e-04	0.0
35	13	-0.02	0.0	-1.43	0.0	6.02e-05	0.0
35	14	0.06	0.0	-1.19	0.0	1.16e-04	0.0
35	15	-0.03	0.0	-1.14	0.0	-4.86e-05	0.0
35	16	8.76e-03	0.0	-1.23	0.0	1.10e-04	0.0
35	17	-0.02	0.0	-1.34	0.0	5.08e-05	0.0
35	18	7.56e-03	0.0	-1.12	0.0	1.08e-04	0.0
36	1	0.12	0.0	-1.64	0.0	7.84e-05	0.0
36	2	-0.07	0.0	-1.56	0.0	-1.93e-04	0.0
36	3	0.03	0.0	-1.71	0.0	7.41e-05	0.0
36	4	-0.02	0.0	-1.93	0.0	-2.61e-05	0.0
36	5	0.25	0.0	-1.73	0.0	3.53e-04	0.0
36	6	0.12	0.0	-1.66	0.0	1.42e-04	0.0
36	7	0.20	0.0	-1.76	0.0	3.50e-04	0.0
36	8	0.15	0.0	-1.87	0.0	2.35e-04	0.0
36	9	0.27	0.0	-1.29	0.0	3.98e-04	0.0
36	10	0.10	0.0	-1.22	0.0	7.25e-05	0.0
36	11	-0.05	0.0	-1.16	0.0	-1.44e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
36	12	0.03	0.0	-1.27	0.0	6.94e-05	0.0
36	13	-0.01	0.0	-1.43	0.0	-2.06e-05	0.0
36	14	0.07	0.0	-1.19	0.0	5.55e-05	0.0
36	15	-0.04	0.0	-1.14	0.0	-1.17e-04	0.0
36	16	0.02	0.0	-1.23	0.0	5.31e-05	0.0
36	17	-0.01	0.0	-1.35	0.0	-2.40e-05	0.0
36	18	0.02	0.0	-1.12	0.0	5.76e-05	0.0
37	1	0.13	0.0	-1.65	0.0	2.80e-05	0.0
37	2	-0.10	0.0	-1.57	0.0	-2.44e-04	0.0
37	3	0.04	0.0	-1.71	0.0	2.49e-05	0.0
37	4	-0.03	0.0	-1.94	0.0	-9.13e-05	0.0
37	5	0.30	0.0	-1.73	0.0	3.11e-04	0.0
37	6	0.14	0.0	-1.66	0.0	9.79e-05	0.0
37	7	0.25	0.0	-1.76	0.0	3.10e-04	0.0
37	8	0.18	0.0	-1.87	0.0	1.83e-04	0.0
37	9	0.33	0.0	-1.29	0.0	3.72e-04	0.0
37	10	0.10	0.0	-1.22	0.0	3.55e-05	0.0
37	11	-0.08	0.0	-1.16	0.0	-1.82e-04	0.0
37	12	0.04	0.0	-1.27	0.0	3.31e-05	0.0
37	13	-0.02	0.0	-1.43	0.0	-6.91e-05	0.0
37	14	0.08	0.0	-1.19	0.0	2.12e-05	0.0
37	15	-0.06	0.0	-1.14	0.0	-1.52e-04	0.0
37	16	0.03	0.0	-1.23	0.0	1.95e-05	0.0
37	17	-0.02	0.0	-1.35	0.0	-6.72e-05	0.0
37	18	0.03	0.0	-1.12	0.0	3.26e-05	0.0
38	1	0.13	0.0	-1.65	0.0	-3.14e-05	0.0
38	2	-0.15	0.0	-1.57	0.0	-2.97e-04	0.0
38	3	0.04	0.0	-1.71	0.0	-3.83e-05	0.0
38	4	-0.05	0.0	-1.94	0.0	-1.81e-04	0.0
38	5	0.35	0.0	-1.73	0.0	2.52e-04	0.0
38	6	0.15	0.0	-1.67	0.0	4.23e-05	0.0
38	7	0.30	0.0	-1.76	0.0	2.48e-04	0.0
38	8	0.21	0.0	-1.87	0.0	1.07e-04	0.0
38	9	0.39	0.0	-1.30	0.0	3.31e-04	0.0
38	10	0.11	0.0	-1.22	0.0	-8.75e-06	0.0
38	11	-0.11	0.0	-1.16	0.0	-2.22e-04	0.0
38	12	0.04	0.0	-1.27	0.0	-1.38e-05	0.0
38	13	-0.04	0.0	-1.43	0.0	-1.36e-04	0.0
38	14	0.08	0.0	-1.19	0.0	-1.88e-05	0.0
38	15	-0.09	0.0	-1.14	0.0	-1.89e-04	0.0
38	16	0.03	0.0	-1.23	0.0	-2.25e-05	0.0
38	17	-0.04	0.0	-1.35	0.0	-1.24e-04	0.0
38	18	0.03	0.0	-1.12	0.0	4.77e-06	0.0
39	1	0.13	0.0	-1.65	0.0	-3.92e-05	0.0
39	2	-0.16	0.0	-1.57	0.0	-3.03e-04	0.0
39	3	0.04	0.0	-1.71	0.0	-4.68e-05	0.0
39	4	-0.05	0.0	-1.94	0.0	-1.94e-04	0.0
39	5	0.35	0.0	-1.73	0.0	2.44e-04	0.0
39	6	0.15	0.0	-1.67	0.0	3.47e-05	0.0
39	7	0.30	0.0	-1.76	0.0	2.40e-04	0.0
39	8	0.21	0.0	-1.87	0.0	9.54e-05	0.0
39	9	0.40	0.0	-1.30	0.0	3.25e-04	0.0
39	10	0.11	0.0	-1.22	0.0	-1.45e-05	0.0
39	11	-0.12	0.0	-1.16	0.0	-2.27e-04	0.0
39	12	0.04	0.0	-1.27	0.0	-2.02e-05	0.0
39	13	-0.04	0.0	-1.43	0.0	-1.46e-04	0.0
39	14	0.08	0.0	-1.19	0.0	-2.39e-05	0.0
39	15	-0.10	0.0	-1.14	0.0	-1.93e-04	0.0
39	16	0.03	0.0	-1.23	0.0	-2.82e-05	0.0
39	17	-0.04	0.0	-1.35	0.0	-1.32e-04	0.0
39	18	0.03	0.0	-1.12	0.0	1.14e-06	0.0
40	1	0.13	0.0	-1.65	0.0	-4.70e-05	0.0
40	2	-0.16	0.0	-1.57	0.0	-3.10e-04	0.0
40	3	0.04	0.0	-1.71	0.0	-5.55e-05	0.0
40	4	-0.06	0.0	-1.94	0.0	-2.08e-04	0.0
40	5	0.36	0.0	-1.73	0.0	2.35e-04	0.0
40	6	0.15	0.0	-1.67	0.0	2.70e-05	0.0
40	7	0.31	0.0	-1.76	0.0	2.30e-04	0.0
40	8	0.21	0.0	-1.87	0.0	8.36e-05	0.0
40	9	0.40	0.0	-1.30	0.0	3.19e-04	0.0
40	10	0.11	0.0	-1.22	0.0	-2.04e-05	0.0
40	11	-0.12	0.0	-1.16	0.0	-2.31e-04	0.0
40	12	0.04	0.0	-1.27	0.0	-2.67e-05	0.0
40	13	-0.04	0.0	-1.43	0.0	-1.56e-04	0.0

<b>Nodo</b>	<b>Cmb</b>	<b>Traslazione X</b>	<b>Traslazione Y</b>	<b>Traslazione Z</b>	<b>Rotazione X</b>	<b>Rotazione Y</b>	<b>Rotazione Z</b>
40	14	0.08	0.0	-1.19	0.0	-2.92e-05	0.0
40	15	-0.10	0.0	-1.14	0.0	-1.97e-04	0.0
40	16	0.03	0.0	-1.23	0.0	-3.39e-05	0.0
40	17	-0.04	0.0	-1.35	0.0	-1.41e-04	0.0
40	18	0.03	0.0	-1.12	0.0	-2.56e-06	0.0
<b>Nodo</b>		<b>Traslazione X</b>	<b>Traslazione Y</b>	<b>Traslazione Z</b>	<b>Rotazione X</b>	<b>Rotazione Y</b>	<b>Rotazione Z</b>
		-0.18	0.0	-2.64	0.0	-1.50e-03	0.0
		0.40	0.0	-0.80	0.0	1.37e-03	0.0

# RISULTATI OPERE DI FONDAZIONE

## LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

In particolare viene riportato:

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

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

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

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

In particolare viene riportato:

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

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

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

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

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

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





# RISULTATI ELEMENTI TIPO TRAVE

## LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

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

- tipo **pilastr**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

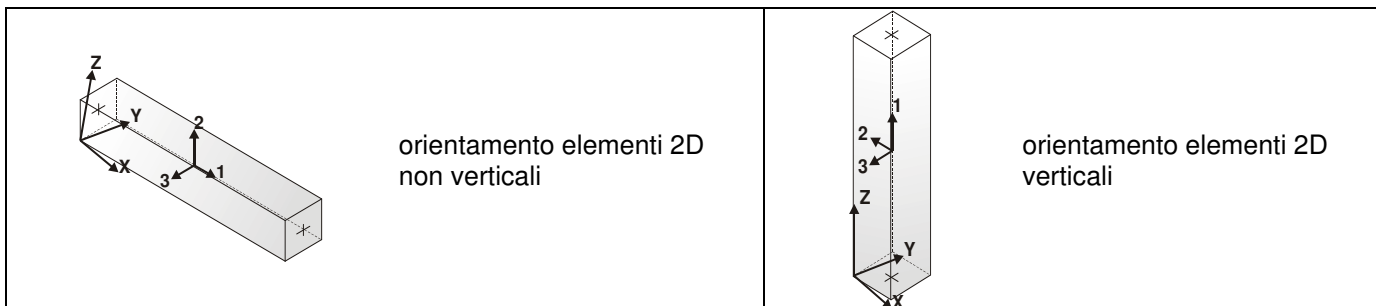
Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
3	1	369.89	0.0	-6.67e-06	1.24	0.0	-270.54	35.41	0.0	0.0	0.0	362.67
		362.67	0.0	0.0	0.0	5.0	-268.01	35.77	0.0	0.0	0.0	364.45
						10.0	-265.48	36.09	0.0	0.0	0.0	366.25
						15.0	-262.95	36.39	0.0	0.0	0.0	368.06
						20.0	-260.41	36.65	0.0	0.0	0.0	369.89
3	2	302.12	0.0	5.99e-05	1.24	0.0	-258.19	7.02	0.0	0.0	0.0	300.58
		300.58	0.0	0.0	0.0	5.0	-255.65	7.38	0.0	0.0	0.0	300.94
						10.0	-253.12	7.70	0.0	0.0	0.0	301.32
						15.0	-250.59	8.00	0.0	0.0	0.0	301.71
						20.0	-248.06	8.26	0.0	0.0	0.0	302.12
3	3	409.54	0.0	-7.92e-06	1.24	0.0	-278.47	53.53	0.0	0.0	0.0	398.70
		398.70	0.0	0.0	0.0	5.0	-275.94	53.89	0.0	0.0	0.0	401.38
						10.0	-273.41	54.21	0.0	0.0	0.0	404.09
						15.0	-270.87	54.50	0.0	0.0	0.0	406.80
						20.0	-268.34	54.77	0.0	0.0	0.0	409.54
3	4	637.80	0.0	3.59e-05	9.87	0.0	-432.71	146.03	0.0	0.0	0.0	607.60
		607.60	0.0	0.0	0.0	5.0	-430.18	148.53	0.0	0.0	0.0	614.96
						10.0	-427.65	151.01	0.0	0.0	0.0	622.45
						15.0	-425.12	153.47	0.0	0.0	0.0	630.07
						20.0	-422.59	155.90	0.0	0.0	0.0	637.80
3	5	405.29	0.0	-5.04e-05	1.24	0.0	-254.99	72.02	0.0	0.0	0.0	390.75
		390.75	0.0	0.0	0.0	5.0	-252.46	72.38	0.0	0.0	0.0	394.36
						10.0	-249.93	72.70	0.0	0.0	0.0	397.99
						15.0	-247.40	73.00	0.0	0.0	0.0	401.63
						20.0	-244.87	73.26	0.0	0.0	0.0	405.29
3	6	362.51	0.0	-8.23e-06	1.24	0.0	-247.98	49.13	0.0	0.0	0.0	352.55
		352.55	0.0	0.0	0.0	5.0	-245.45	49.49	0.0	0.0	0.0	355.02
						10.0	-242.92	49.82	0.0	0.0	0.0	357.50
						15.0	-240.38	50.11	0.0	0.0	0.0	360.00
						20.0	-237.85	50.37	0.0	0.0	0.0	362.51
3	7	427.31	0.0	-4.97e-05	1.24	0.0	-259.40	82.08	0.0	0.0	0.0	410.76
		410.76	0.0	0.0	0.0	5.0	-256.87	82.44	0.0	0.0	0.0	414.88
						10.0	-254.33	82.77	0.0	0.0	0.0	419.01
						15.0	-251.80	83.06	0.0	0.0	0.0	423.15
						20.0	-249.27	83.32	0.0	0.0	0.0	427.31
3	8	549.00	0.0	-2.16e-05	6.03	0.0	-344.94	126.36	0.0	0.0	0.0	523.12
		523.12	0.0	0.0	0.0	5.0	-342.41	127.91	0.0	0.0	0.0	529.47
						10.0	-339.88	129.43	0.0	0.0	0.0	535.91
						15.0	-337.34	130.93	0.0	0.0	0.0	542.42
						20.0	-334.81	132.39	0.0	0.0	0.0	549.00
3	9	292.75	0.0	-6.62e-05	0.92	0.0	-167.07	55.99	0.0	0.0	0.0	281.45
		281.45	0.0	0.0	0.0	5.0	-165.20	56.26	0.0	0.0	0.0	284.26
						10.0	-163.32	56.50	0.0	0.0	0.0	287.07
						15.0	-161.45	56.72	0.0	0.0	0.0	289.90
						20.0	-159.57	56.91	0.0	0.0	0.0	292.75
3	10	276.92	0.0	-2.02e-06	0.92	0.0	-200.68	28.07	0.0	0.0	0.0	271.21
		271.21	0.0	0.0	0.0	5.0	-198.80	28.34	0.0	0.0	0.0	272.62
						10.0	-196.93	28.58	0.0	0.0	0.0	274.04
						15.0	-195.05	28.79	0.0	0.0	0.0	275.47
						20.0	-193.18	28.99	0.0	0.0	0.0	276.92
3	11	225.38	0.0	4.48e-05	0.92	0.0	-191.49	5.18	0.0	0.0	0.0	224.24
		224.24	0.0	0.0	0.0	5.0	-189.61	5.44	0.0	0.0	0.0	224.51
						10.0	-187.74	5.68	0.0	0.0	0.0	224.79
						15.0	-185.86	5.90	0.0	0.0	0.0	225.08
						20.0	-183.99	6.09	0.0	0.0	0.0	225.38
3	12	306.29	0.0	-2.95e-06	0.92	0.0	-206.55	41.49	0.0	0.0	0.0	297.89
		297.89	0.0	0.0	0.0	5.0	-204.68	41.76	0.0	0.0	0.0	299.97
						10.0	-202.80	42.00	0.0	0.0	0.0	302.07
						15.0	-200.93	42.21	0.0	0.0	0.0	304.17
						20.0	-199.05	42.41	0.0	0.0	0.0	306.29
3	13	474.03	0.0	2.69e-05	7.31	0.0	-320.77	108.14	0.0	0.0	0.0	451.66
		451.66	0.0	0.0	0.0	5.0	-318.89	110.00	0.0	0.0	0.0	457.12
						10.0	-317.02	111.84	0.0	0.0	0.0	462.66
						15.0	-315.14	113.66	0.0	0.0	0.0	468.30
						20.0	-313.27	115.46	0.0	0.0	0.0	474.03
3	14	248.44	0.0	-4.01e-06	0.92	0.0	-186.93	24.05	0.0	0.0	0.0	243.53
		243.53	0.0	0.0	0.0	5.0	-185.06	24.31	0.0	0.0	0.0	244.74
						10.0	-183.18	24.55	0.0	0.0	0.0	245.97
						15.0	-181.31	24.77	0.0	0.0	0.0	247.20
						20.0	-179.43	24.96	0.0	0.0	0.0	248.44

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
3	15	208.96	0.0	3.81e-05	0.92	0.0	-180.02	5.73	0.0	0.0	0.0	207.72
		207.72	0.0	0.0	0.0	5.0	-178.14	6.00	0.0	0.0	0.0	208.01
						10.0	-176.27	6.24	0.0	0.0	0.0	208.32
						15.0	-174.39	6.46	0.0	0.0	0.0	208.63
						20.0	-172.52	6.65	0.0	0.0	0.0	208.96
3	16	270.47	0.0	-4.70e-06	0.92	0.0	-191.34	34.11	0.0	0.0	0.0	263.55
		263.55	0.0	0.0	0.0	5.0	-189.46	34.38	0.0	0.0	0.0	265.26
						10.0	-187.59	34.62	0.0	0.0	0.0	266.99
						15.0	-185.71	34.84	0.0	0.0	0.0	268.72
						20.0	-183.84	35.03	0.0	0.0	0.0	270.47
3	17	395.45	0.0	2.47e-05	5.71	0.0	-276.98	82.96	0.0	0.0	0.0	378.28
		378.28	0.0	0.0	0.0	5.0	-275.10	84.42	0.0	0.0	0.0	382.47
						10.0	-273.23	85.86	0.0	0.0	0.0	386.72
						15.0	-271.35	87.27	0.0	0.0	0.0	391.05
						20.0	-269.48	88.67	0.0	0.0	0.0	395.45
3	18	173.79	0.0	0.0	0.92	0.0	-146.73	18.76	0.0	0.0	0.0	169.94
		169.94	0.0	0.0	0.0	5.0	-144.86	19.02	0.0	0.0	0.0	170.89
						10.0	-142.98	19.26	0.0	0.0	0.0	171.85
						15.0	-141.11	19.48	0.0	0.0	0.0	172.81
						20.0	-139.23	19.67	0.0	0.0	0.0	173.79
4	1	928.78	0.0	-3.49e-04	137.98	0.0	-607.20	-301.32	0.0	0.0	0.0	928.78
		547.51	0.0	0.0	0.0	41.6	-586.15	-263.46	0.0	0.0	0.0	811.49
						83.1	-565.11	-227.84	0.0	0.0	0.0	709.47
						124.7	-544.07	-194.47	0.0	0.0	0.0	621.79
						166.3	-523.03	-163.33	0.0	0.0	0.0	547.51
4	2	1055.49	0.0	7.37e-05	137.98	0.0	-594.84	-329.71	0.0	0.0	0.0	1055.49
		627.02	0.0	0.0	0.0	41.6	-573.80	-291.85	0.0	0.0	0.0	926.40
						83.1	-552.76	-256.23	0.0	0.0	0.0	812.58
						124.7	-531.72	-222.86	0.0	0.0	0.0	713.09
						166.3	-510.68	-191.72	0.0	0.0	0.0	627.02
4	3	844.32	0.0	3.22e-04	137.98	0.0	-615.12	-283.20	0.0	0.0	0.0	844.32
		493.17	0.0	0.0	0.0	41.6	-594.08	-245.34	0.0	0.0	0.0	734.56
						83.1	-573.04	-209.72	0.0	0.0	0.0	640.07
						124.7	-552.00	-176.35	0.0	0.0	0.0	559.92
						166.3	-530.96	-145.21	0.0	0.0	0.0	493.17
4	4	1212.92	0.0	2.34e-04	175.22	0.0	-769.37	-397.86	0.0	0.0	0.0	1212.92
		700.76	0.0	0.0	0.0	41.6	-748.33	-351.60	0.0	0.0	0.0	1057.23
						83.1	-727.29	-306.97	0.0	0.0	0.0	920.43
						124.7	-706.25	-263.99	0.0	0.0	0.0	801.83
						166.3	-685.21	-222.63	0.0	0.0	0.0	700.76
4	5	713.41	0.0	-7.43e-04	137.98	0.0	-591.65	-264.71	0.0	0.0	0.0	713.41
		393.00	0.0	0.0	0.0	41.6	-570.61	-226.85	0.0	0.0	0.0	611.34
						83.1	-549.57	-191.23	0.0	0.0	0.0	524.53
						124.7	-528.52	-157.86	0.0	0.0	0.0	452.06
						166.3	-507.48	-126.72	0.0	0.0	0.0	393.00
4	6	827.40	0.0	-4.21e-04	137.98	0.0	-584.63	-287.59	0.0	0.0	0.0	827.40
		468.94	0.0	0.0	0.0	41.6	-563.59	-249.73	0.0	0.0	0.0	715.81
						83.1	-542.55	-214.12	0.0	0.0	0.0	619.50
						124.7	-521.51	-180.74	0.0	0.0	0.0	537.52
						166.3	-500.47	-149.61	0.0	0.0	0.0	468.94
4	7	666.49	0.0	-7.28e-04	137.98	0.0	-596.05	-254.64	0.0	0.0	0.0	666.49
		362.82	0.0	0.0	0.0	41.6	-575.01	-216.78	0.0	0.0	0.0	568.60
						83.1	-553.97	-181.17	0.0	0.0	0.0	485.98
						124.7	-532.93	-147.79	0.0	0.0	0.0	417.69
						166.3	-511.89	-116.66	0.0	0.0	0.0	362.82
4	8	914.86	0.0	-5.92e-04	158.67	0.0	-681.59	-325.45	0.0	0.0	0.0	914.86
		509.92	0.0	0.0	0.0	41.6	-660.55	-282.93	0.0	0.0	0.0	788.50
						83.1	-639.51	-242.31	0.0	0.0	0.0	679.42
						124.7	-618.47	-203.59	0.0	0.0	0.0	586.82
						166.3	-597.43	-166.78	0.0	0.0	0.0	509.92
4	9	407.42	0.0	-7.45e-04	102.21	0.0	-416.45	-172.26	0.0	0.0	0.0	407.42
		209.68	0.0	0.0	0.0	41.6	-400.86	-144.22	0.0	0.0	0.0	341.71
						83.1	-385.27	-117.83	0.0	0.0	0.0	287.31
						124.7	-369.69	-93.11	0.0	0.0	0.0	243.53
						166.3	-354.10	-70.05	0.0	0.0	0.0	209.68
4	10	678.31	0.0	-2.80e-04	102.21	0.0	-450.05	-221.36	0.0	0.0	0.0	678.31
		398.95	0.0	0.0	0.0	41.6	-434.47	-193.31	0.0	0.0	0.0	592.19
						83.1	-418.88	-166.93	0.0	0.0	0.0	517.39
						124.7	-403.30	-142.21	0.0	0.0	0.0	453.20
						166.3	-387.71	-119.15	0.0	0.0	0.0	398.95
4	11	783.58	0.0	5.59e-05	102.21	0.0	-440.86	-244.25	0.0	0.0	0.0	783.58
		466.16	0.0	0.0	0.0	41.6	-425.28	-216.21	0.0	0.0	0.0	687.95
						83.1	-409.69	-189.82	0.0	0.0	0.0	603.63
						124.7	-394.11	-165.10	0.0	0.0	0.0	529.93

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
4	12	615.75	0.0	2.60e-04	102.21	166.3	-378.52	-142.04	0.0	0.0	0.0	466.16
		358.70	0.0	0.0	0.0	0.0	-455.93	-207.94	0.0	0.0	0.0	615.75
						41.6	-440.34	-179.89	0.0	0.0	0.0	535.21
						83.1	-424.76	-153.51	0.0	0.0	0.0	465.98
						124.7	-409.17	-128.79	0.0	0.0	0.0	407.37
						166.3	-393.58	-105.73	0.0	0.0	0.0	358.70
4	13	900.20	0.0	1.72e-04	129.79	0.0	-570.14	-294.73	0.0	0.0	0.0	900.20
		520.79	0.0	0.0	0.0	41.6	-554.56	-260.47	0.0	0.0	0.0	784.87
						83.1	-538.97	-227.41	0.0	0.0	0.0	683.52
						124.7	-523.39	-195.57	0.0	0.0	0.0	595.66
						166.3	-507.80	-164.94	0.0	0.0	0.0	520.79
4	14	677.38	0.0	-2.47e-04	102.21	0.0	-436.31	-225.38	0.0	0.0	0.0	677.38
		391.33	0.0	0.0	0.0	41.6	-420.72	-197.34	0.0	0.0	0.0	589.59
						83.1	-405.14	-170.95	0.0	0.0	0.0	513.12
						124.7	-389.55	-146.23	0.0	0.0	0.0	447.26
						166.3	-373.97	-123.17	0.0	0.0	0.0	391.33
4	15	763.34	0.0	1.92e-05	102.21	0.0	-429.39	-243.69	0.0	0.0	0.0	763.34
		446.85	0.0	0.0	0.0	41.6	-413.81	-215.65	0.0	0.0	0.0	667.95
						83.1	-398.22	-189.27	0.0	0.0	0.0	583.86
						124.7	-382.64	-164.54	0.0	0.0	0.0	510.39
						166.3	-367.05	-141.48	0.0	0.0	0.0	446.85
4	16	630.46	0.0	2.32e-04	102.21	0.0	-440.71	-215.31	0.0	0.0	0.0	630.46
		361.15	0.0	0.0	0.0	41.6	-425.13	-187.27	0.0	0.0	0.0	546.86
						83.1	-409.54	-160.89	0.0	0.0	0.0	474.56
						124.7	-393.96	-136.17	0.0	0.0	0.0	412.89
						166.3	-378.37	-113.10	0.0	0.0	0.0	361.15
4	17	850.81	0.0	1.52e-04	122.90	0.0	-526.35	-281.55	0.0	0.0	0.0	850.81
		487.82	0.0	0.0	0.0	41.6	-510.77	-248.84	0.0	0.0	0.0	740.63
						83.1	-495.18	-217.46	0.0	0.0	0.0	643.78
						124.7	-479.60	-187.39	0.0	0.0	0.0	559.69
						166.3	-464.01	-158.66	0.0	0.0	0.0	487.82
4	18	638.97	0.0	2.26e-04	102.21	0.0	-396.11	-230.67	0.0	0.0	0.0	638.97
		344.13	0.0	0.0	0.0	41.6	-380.52	-202.63	0.0	0.0	0.0	548.99
						83.1	-364.93	-176.24	0.0	0.0	0.0	470.31
						124.7	-349.35	-151.52	0.0	0.0	0.0	402.25
						166.3	-333.76	-128.46	0.0	0.0	0.0	344.13
5	1	1182.06	0.0	-1.25e-04	37.91	0.0	-645.16	-375.30	0.0	0.0	0.0	1182.06
		1048.48	0.0	0.0	0.0	9.4	-640.42	-365.66	0.0	0.0	0.0	1147.33
						18.8	-635.67	-356.12	0.0	0.0	0.0	1113.49
						28.1	-630.93	-346.70	0.0	0.0	0.0	1080.55
						37.5	-626.18	-337.40	0.0	0.0	0.0	1048.48
5	2	1330.05	0.0	3.59e-05	37.91	0.0	-632.81	-403.69	0.0	0.0	0.0	1330.05
		1185.83	0.0	0.0	0.0	9.4	-628.06	-394.05	0.0	0.0	0.0	1292.66
						18.8	-623.32	-384.51	0.0	0.0	0.0	1256.17
						28.1	-618.57	-375.09	0.0	0.0	0.0	1220.56
						37.5	-613.83	-365.79	0.0	0.0	0.0	1185.83
5	3	1084.01	0.0	1.14e-04	37.91	0.0	-653.09	-357.19	0.0	0.0	0.0	1084.01
		957.23	0.0	0.0	0.0	9.4	-648.35	-347.54	0.0	0.0	0.0	1050.98
						18.8	-643.60	-338.01	0.0	0.0	0.0	1018.84
						28.1	-638.85	-328.59	0.0	0.0	0.0	987.60
						37.5	-634.11	-319.28	0.0	0.0	0.0	957.23
5	4	1543.83	0.0	1.13e-04	44.47	0.0	-807.34	-485.47	0.0	0.0	0.0	1543.83
		1370.16	0.0	0.0	0.0	9.4	-802.59	-474.22	0.0	0.0	0.0	1498.85
						18.8	-797.85	-463.07	0.0	0.0	0.0	1454.91
						28.1	-793.10	-451.99	0.0	0.0	0.0	1412.02
						37.5	-788.35	-441.00	0.0	0.0	0.0	1370.16
5	5	939.23	0.0	-2.02e-04	37.91	0.0	-629.62	-338.70	0.0	0.0	0.0	939.23
		819.38	0.0	0.0	0.0	9.4	-624.87	-329.05	0.0	0.0	0.0	907.93
						18.8	-620.12	-319.51	0.0	0.0	0.0	877.53
						28.1	-615.38	-310.09	0.0	0.0	0.0	848.02
						37.5	-610.63	-300.79	0.0	0.0	0.0	819.38
5	6	1070.38	0.0	-1.35e-04	37.91	0.0	-622.60	-361.58	0.0	0.0	0.0	1070.38
		941.96	0.0	0.0	0.0	9.4	-617.86	-351.93	0.0	0.0	0.0	1036.94
						18.8	-613.11	-342.40	0.0	0.0	0.0	1004.39
						28.1	-608.37	-332.98	0.0	0.0	0.0	972.73
						37.5	-603.62	-323.67	0.0	0.0	0.0	941.96
5	7	884.76	0.0	-1.96e-04	37.91	0.0	-634.02	-328.63	0.0	0.0	0.0	884.76
		768.69	0.0	0.0	0.0	9.4	-629.28	-318.98	0.0	0.0	0.0	854.40
						18.8	-624.53	-309.45	0.0	0.0	0.0	824.95
						28.1	-619.78	-300.03	0.0	0.0	0.0	796.38
						37.5	-615.04	-290.72	0.0	0.0	0.0	768.69
5	8	1189.15	0.0	-1.78e-04	41.55	0.0	-719.56	-407.01	0.0	0.0	0.0	1189.15
		1044.36	0.0	0.0	0.0	9.4	-714.82	-396.48	0.0	0.0	0.0	1151.49
						18.8	-710.07	-386.04	0.0	0.0	0.0	1114.81

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							28.1	-705.32	-375.70	0.0	0.0	1079.10
							37.5	-700.58	-365.46	0.0	0.0	1044.36
5	9	556.34	0.0	-1.87e-04	28.08	0.0	-444.57	-226.36	0.0	0.0	0.0	556.34
		476.76	0.0	0.0	0.0	9.4	-441.06	-219.22	0.0	0.0	0.0	535.45
							18.8	-437.54	-212.16	0.0	0.0	515.23
							28.1	-434.02	-205.18	0.0	0.0	495.67
							37.5	-430.51	-198.28	0.0	0.0	476.76
5	10	864.54	0.0	-9.66e-05	28.08	0.0	-478.18	-276.16	0.0	0.0	0.0	864.54
		766.29	0.0	0.0	0.0	9.4	-474.66	-269.02	0.0	0.0	0.0	838.99
							18.8	-471.15	-261.95	0.0	0.0	814.10
							28.1	-467.63	-254.98	0.0	0.0	789.87
							37.5	-464.12	-248.08	0.0	0.0	766.29
5	11	986.98	0.0	2.64e-05	28.08	0.0	-468.99	-299.06	0.0	0.0	0.0	986.98
		880.14	0.0	0.0	0.0	9.4	-465.47	-291.91	0.0	0.0	0.0	959.28
							18.8	-461.96	-284.85	0.0	0.0	932.25
							28.1	-458.44	-277.87	0.0	0.0	905.87
							37.5	-454.93	-270.98	0.0	0.0	880.14
5	12	791.91	0.0	8.88e-05	28.08	0.0	-484.05	-262.74	0.0	0.0	0.0	791.91
		698.69	0.0	0.0	0.0	9.4	-480.54	-255.60	0.0	0.0	0.0	767.62
							18.8	-477.02	-248.53	0.0	0.0	743.99
							28.1	-473.51	-241.56	0.0	0.0	721.01
							37.5	-469.99	-234.66	0.0	0.0	698.69
5	13	1145.34	0.0	8.33e-05	32.94	0.0	-598.27	-359.63	0.0	0.0	0.0	1145.34
		1016.69	0.0	0.0	0.0	9.4	-594.75	-351.30	0.0	0.0	0.0	1112.01
							18.8	-591.24	-343.03	0.0	0.0	1079.47
							28.1	-587.72	-334.83	0.0	0.0	1047.69
							37.5	-584.21	-326.69	0.0	0.0	1016.69
5	14	866.63	0.0	-8.90e-05	28.08	0.0	-464.43	-280.19	0.0	0.0	0.0	866.63
		766.87	0.0	0.0	0.0	9.4	-460.92	-273.04	0.0	0.0	0.0	840.70
							18.8	-457.40	-265.98	0.0	0.0	815.43
							28.1	-453.89	-259.00	0.0	0.0	790.83
							37.5	-450.37	-252.11	0.0	0.0	766.87
5	15	966.33	0.0	3.36e-05	28.08	0.0	-457.52	-298.50	0.0	0.0	0.0	966.33
		859.70	0.0	0.0	0.0	9.4	-454.00	-291.35	0.0	0.0	0.0	938.68
							18.8	-450.49	-284.29	0.0	0.0	911.70
							28.1	-446.97	-277.31	0.0	0.0	885.37
							37.5	-443.46	-270.42	0.0	0.0	859.70
5	16	812.16	0.0	8.32e-05	28.08	0.0	-468.84	-270.12	0.0	0.0	0.0	812.16
		716.17	0.0	0.0	0.0	9.4	-465.32	-262.97	0.0	0.0	0.0	787.17
							18.8	-461.81	-255.91	0.0	0.0	762.85
							28.1	-458.29	-248.93	0.0	0.0	739.19
							37.5	-454.78	-242.04	0.0	0.0	716.17
5	17	1085.09	0.0	7.63e-05	31.73	0.0	-554.48	-343.93	0.0	0.0	0.0	1085.09
		962.10	0.0	0.0	0.0	9.4	-550.96	-335.89	0.0	0.0	0.0	1053.23
							18.8	-547.45	-327.93	0.0	0.0	1022.11
							28.1	-543.93	-320.03	0.0	0.0	991.74
							37.5	-540.42	-312.20	0.0	0.0	962.10
5	18	832.19	0.0	8.22e-05	28.08	0.0	-424.23	-285.48	0.0	0.0	0.0	832.19
		730.44	0.0	0.0	0.0	9.4	-420.72	-278.33	0.0	0.0	0.0	805.76
							18.8	-417.20	-271.27	0.0	0.0	780.00
							28.1	-413.68	-264.29	0.0	0.0	754.90
							37.5	-410.17	-257.40	0.0	0.0	730.44
6	1	377.30	0.0	-8.22e-06	0.72	0.0	-260.41	36.65	0.0	0.0	0.0	369.89
		369.89	0.0	0.0	0.0	5.0	-257.88	36.88	0.0	0.0	0.0	371.73
							10.0	-255.35	37.07	0.0	0.0	373.57
							15.0	-252.82	37.24	0.0	0.0	375.43
							20.0	-250.29	37.37	0.0	0.0	377.30
6	2	303.85	0.0	6.12e-05	0.72	0.0	-248.06	8.26	0.0	0.0	0.0	302.12
		302.12	0.0	0.0	0.0	5.0	-245.53	8.49	0.0	0.0	0.0	302.54
							10.0	-243.00	8.68	0.0	0.0	302.97
							15.0	-240.47	8.84	0.0	0.0	303.41
							20.0	-237.94	8.98	0.0	0.0	303.85
6	3	420.57	0.0	-9.64e-06	0.72	0.0	-268.34	54.77	0.0	0.0	0.0	409.54
		409.54	0.0	0.0	0.0	5.0	-265.81	54.99	0.0	0.0	0.0	412.28
							10.0	-263.28	55.19	0.0	0.0	415.03
							15.0	-260.75	55.35	0.0	0.0	417.80
							20.0	-258.22	55.48	0.0	0.0	420.57
6	4	669.94	0.0	3.85e-05	9.49	0.0	-422.59	155.90	0.0	0.0	0.0	637.80
		637.80	0.0	0.0	0.0	5.0	-420.06	158.31	0.0	0.0	0.0	645.66
							10.0	-417.53	160.69	0.0	0.0	653.63
							15.0	-414.99	163.05	0.0	0.0	661.72
							20.0	-412.46	165.39	0.0	0.0	669.94
6	5	420.02	0.0	-4.87e-05	0.72	0.0	-244.87	73.26	0.0	0.0	0.0	405.29
		405.29	0.0	0.0	0.0	5.0	-242.33	73.48	0.0	0.0	0.0	408.96

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							10.0	-239.80	73.68	0.0	0.0	412.63
							15.0	-237.27	73.84	0.0	0.0	416.32
							20.0	-234.74	73.97	0.0	0.0	420.02
6	6	372.66	0.0	-6.71e-06	0.72	0.0	-237.85	50.37	0.0	0.0	0.0	362.51
		362.51	0.0	0.0	0.0	5.0	-235.32	50.60	0.0	0.0	0.0	365.03
							10.0	-232.79	50.79	0.0	0.0	367.57
							15.0	-230.26	50.96	0.0	0.0	370.11
							20.0	-227.73	51.09	0.0	0.0	372.66
6	7	444.06	0.0	-4.79e-05	0.72	0.0	-249.27	83.32	0.0	0.0	0.0	427.31
		427.31	0.0	0.0	0.0	5.0	-246.74	83.55	0.0	0.0	0.0	431.49
							10.0	-244.21	83.75	0.0	0.0	435.67
							15.0	-241.68	83.91	0.0	0.0	439.86
							20.0	-239.15	84.04	0.0	0.0	444.06
6	8	576.04	0.0	-1.93e-05	5.59	0.0	-334.81	132.39	0.0	0.0	0.0	549.00
		549.00	0.0	0.0	0.0	5.0	-332.28	133.83	0.0	0.0	0.0	555.65
							10.0	-329.75	135.25	0.0	0.0	562.38
							15.0	-327.22	136.63	0.0	0.0	569.18
							20.0	-324.69	137.99	0.0	0.0	576.04
6	9	303.95	0.0	-6.50e-05	0.53	0.0	-159.57	55.73	0.0	0.0	0.0	292.75
		292.75	0.0	0.0	0.0	5.0	-157.70	55.90	0.0	0.0	0.0	295.54
							10.0	-155.82	56.04	0.0	0.0	298.34
							15.0	-153.95	56.16	0.0	0.0	301.14
							20.0	-152.07	56.26	0.0	0.0	303.95
6	10	282.78	0.0	-3.18e-06	0.53	0.0	-193.18	28.99	0.0	0.0	0.0	276.92
		276.92	0.0	0.0	0.0	5.0	-191.30	29.16	0.0	0.0	0.0	278.37
							10.0	-189.43	29.30	0.0	0.0	279.83
							15.0	-187.55	29.42	0.0	0.0	281.30
							20.0	-185.68	29.52	0.0	0.0	282.78
6	11	226.66	0.0	4.57e-05	0.53	0.0	-183.99	6.09	0.0	0.0	0.0	225.38
		225.38	0.0	0.0	0.0	5.0	-182.11	6.26	0.0	0.0	0.0	225.69
							10.0	-180.24	6.41	0.0	0.0	226.00
							15.0	-178.36	6.53	0.0	0.0	226.33
							20.0	-176.49	6.63	0.0	0.0	226.66
6	12	314.83	0.0	-4.23e-06	0.53	0.0	-199.05	42.41	0.0	0.0	0.0	306.29
		306.29	0.0	0.0	0.0	5.0	-197.18	42.58	0.0	0.0	0.0	308.41
							10.0	-195.30	42.72	0.0	0.0	310.55
							15.0	-193.43	42.84	0.0	0.0	312.68
							20.0	-191.55	42.94	0.0	0.0	314.83
6	13	497.83	0.0	2.89e-05	7.03	0.0	-313.27	115.46	0.0	0.0	0.0	474.03
		474.03	0.0	0.0	0.0	5.0	-311.39	117.24	0.0	0.0	0.0	479.85
							10.0	-309.52	119.01	0.0	0.0	485.75
							15.0	-307.64	120.76	0.0	0.0	491.75
							20.0	-305.77	122.49	0.0	0.0	497.83
6	14	253.49	0.0	-5.05e-06	0.53	0.0	-179.43	24.96	0.0	0.0	0.0	248.44
		248.44	0.0	0.0	0.0	5.0	-177.56	25.13	0.0	0.0	0.0	249.69
							10.0	-175.68	25.28	0.0	0.0	250.96
							15.0	-173.81	25.40	0.0	0.0	252.22
							20.0	-171.93	25.50	0.0	0.0	253.49
6	15	210.35	0.0	3.90e-05	0.53	0.0	-172.52	6.65	0.0	0.0	0.0	208.96
		208.96	0.0	0.0	0.0	5.0	-170.64	6.82	0.0	0.0	0.0	209.30
							10.0	-168.77	6.97	0.0	0.0	209.64
							15.0	-166.89	7.09	0.0	0.0	209.99
							20.0	-165.02	7.18	0.0	0.0	210.35
6	16	277.53	0.0	-5.83e-06	0.53	0.0	-183.84	35.03	0.0	0.0	0.0	270.47
		270.47	0.0	0.0	0.0	5.0	-181.96	35.20	0.0	0.0	0.0	272.23
							10.0	-180.09	35.34	0.0	0.0	273.99
							15.0	-178.21	35.47	0.0	0.0	275.76
							20.0	-176.34	35.56	0.0	0.0	277.53
6	17	413.73	0.0	2.63e-05	5.41	0.0	-269.48	88.67	0.0	0.0	0.0	395.45
		395.45	0.0	0.0	0.0	5.0	-267.60	90.06	0.0	0.0	0.0	399.92
							10.0	-265.73	91.42	0.0	0.0	404.46
							15.0	-263.85	92.76	0.0	0.0	409.06
							20.0	-261.98	94.08	0.0	0.0	413.73
6	18	177.79	0.0	0.0	0.53	0.0	-139.23	19.67	0.0	0.0	0.0	173.79
		173.79	0.0	0.0	0.0	5.0	-137.36	19.84	0.0	0.0	0.0	174.78
							10.0	-135.48	19.99	0.0	0.0	175.78
							15.0	-133.61	20.11	0.0	0.0	176.78
							20.0	-131.73	20.21	0.0	0.0	177.79
7	1	1048.48	0.0	-1.10e-04	36.08	0.0	-626.18	-337.40	0.0	0.0	0.0	1048.48
		928.78	0.0	0.0	0.0	9.4	-621.43	-328.21	0.0	0.0	0.0	1017.28
							18.8	-616.69	-319.13	0.0	0.0	986.94
							28.1	-611.94	-310.17	0.0	0.0	957.44
							37.5	-607.20	-301.32	0.0	0.0	928.78
7	2	1185.83	0.0	1.91e-05	36.08	0.0	-613.83	-365.79	0.0	0.0	0.0	1185.83

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		1055.49	0.0	0.0	0.0	9.4	-609.08	-356.60	0.0	0.0	0.0	1151.97
						18.8	-604.33	-347.52	0.0	0.0	0.0	1118.97
						28.1	-599.59	-338.56	0.0	0.0	0.0	1086.81
						37.5	-594.84	-329.71	0.0	0.0	0.0	1055.49
7	3	957.23	0.0	1.01e-04	36.08	0.0	-634.11	-319.28	0.0	0.0	0.0	957.23
		844.32	0.0	0.0	0.0	9.4	-629.36	-310.09	0.0	0.0	0.0	927.73
						18.8	-624.62	-301.01	0.0	0.0	0.0	899.09
						28.1	-619.87	-292.05	0.0	0.0	0.0	871.29
						37.5	-615.12	-283.20	0.0	0.0	0.0	844.32
7	4	1370.16	0.0	9.33e-05	43.14	0.0	-788.35	-441.00	0.0	0.0	0.0	1370.16
		1212.92	0.0	0.0	0.0	9.4	-783.61	-430.09	0.0	0.0	0.0	1329.33
						18.8	-778.86	-419.26	0.0	0.0	0.0	1289.52
						28.1	-774.12	-408.52	0.0	0.0	0.0	1250.72
						37.5	-769.37	-397.86	0.0	0.0	0.0	1212.92
7	5	819.38	0.0	-1.91e-04	36.08	0.0	-610.63	-300.79	0.0	0.0	0.0	819.38
		713.41	0.0	0.0	0.0	9.4	-605.89	-291.60	0.0	0.0	0.0	791.62
						18.8	-601.14	-282.52	0.0	0.0	0.0	764.71
						28.1	-596.39	-273.56	0.0	0.0	0.0	738.64
						37.5	-591.65	-264.71	0.0	0.0	0.0	713.41
7	6	941.96	0.0	-1.22e-04	36.08	0.0	-603.62	-323.67	0.0	0.0	0.0	941.96
		827.40	0.0	0.0	0.0	9.4	-598.87	-314.48	0.0	0.0	0.0	912.04
						18.8	-594.13	-305.41	0.0	0.0	0.0	882.99
						28.1	-589.38	-296.44	0.0	0.0	0.0	854.78
						37.5	-584.63	-287.59	0.0	0.0	0.0	827.40
7	7	768.69	0.0	-1.85e-04	36.08	0.0	-615.04	-290.72	0.0	0.0	0.0	768.69
		666.49	0.0	0.0	0.0	9.4	-610.29	-281.53	0.0	0.0	0.0	741.86
						18.8	-605.54	-272.45	0.0	0.0	0.0	715.90
						28.1	-600.80	-263.49	0.0	0.0	0.0	690.78
						37.5	-596.05	-254.64	0.0	0.0	0.0	666.49
7	8	1044.36	0.0	-1.63e-04	40.00	0.0	-700.58	-365.46	0.0	0.0	0.0	1044.36
		914.86	0.0	0.0	0.0	9.4	-695.83	-355.31	0.0	0.0	0.0	1010.58
						18.8	-691.09	-345.26	0.0	0.0	0.0	977.74
						28.1	-686.34	-335.31	0.0	0.0	0.0	945.84
						37.5	-681.59	-325.45	0.0	0.0	0.0	914.86
7	9	476.76	0.0	-1.81e-04	26.73	0.0	-430.51	-198.39	0.0	0.0	0.0	476.76
		407.42	0.0	0.0	0.0	9.4	-426.99	-191.59	0.0	0.0	0.0	458.48
						18.8	-423.48	-184.86	0.0	0.0	0.0	440.84
						28.1	-419.96	-178.22	0.0	0.0	0.0	423.82
						37.5	-416.45	-171.67	0.0	0.0	0.0	407.42
7	10	766.29	0.0	-8.58e-05	26.73	0.0	-464.12	-248.08	0.0	0.0	0.0	766.29
		678.31	0.0	0.0	0.0	9.4	-460.60	-241.28	0.0	0.0	0.0	743.35
						18.8	-457.09	-234.55	0.0	0.0	0.0	721.04
						28.1	-453.57	-227.91	0.0	0.0	0.0	699.37
						37.5	-450.05	-221.36	0.0	0.0	0.0	678.31
7	11	880.14	0.0	1.39e-05	26.73	0.0	-454.93	-270.98	0.0	0.0	0.0	880.14
		783.58	0.0	0.0	0.0	9.4	-451.41	-264.17	0.0	0.0	0.0	855.06
						18.8	-447.90	-257.44	0.0	0.0	0.0	830.61
						28.1	-444.38	-250.80	0.0	0.0	0.0	806.79
						37.5	-440.86	-244.25	0.0	0.0	0.0	783.58
7	12	698.69	0.0	7.90e-05	26.73	0.0	-469.99	-234.66	0.0	0.0	0.0	698.69
		615.75	0.0	0.0	0.0	9.4	-466.48	-227.85	0.0	0.0	0.0	677.01
						18.8	-462.96	-221.13	0.0	0.0	0.0	655.97
						28.1	-459.44	-214.49	0.0	0.0	0.0	635.55
						37.5	-455.93	-207.94	0.0	0.0	0.0	615.75
7	13	1016.69	0.0	6.89e-05	31.96	0.0	-584.21	-326.69	0.0	0.0	0.0	1016.69
		900.20	0.0	0.0	0.0	9.4	-580.69	-318.60	0.0	0.0	0.0	986.44
						18.8	-577.18	-310.59	0.0	0.0	0.0	956.95
						28.1	-573.66	-302.63	0.0	0.0	0.0	928.20
						37.5	-570.14	-294.73	0.0	0.0	0.0	900.20
7	14	766.87	0.0	-7.82e-05	26.73	0.0	-450.37	-252.11	0.0	0.0	0.0	766.87
		677.38	0.0	0.0	0.0	9.4	-446.86	-245.30	0.0	0.0	0.0	743.55
						18.8	-443.34	-238.57	0.0	0.0	0.0	720.87
						28.1	-439.83	-231.93	0.0	0.0	0.0	698.82
						37.5	-436.31	-225.38	0.0	0.0	0.0	677.38
7	15	859.70	0.0	2.14e-05	26.73	0.0	-443.46	-270.42	0.0	0.0	0.0	859.70
		763.34	0.0	0.0	0.0	9.4	-439.94	-263.61	0.0	0.0	0.0	834.67
						18.8	-436.42	-256.89	0.0	0.0	0.0	810.27
						28.1	-432.91	-250.25	0.0	0.0	0.0	786.50
						37.5	-429.39	-243.69	0.0	0.0	0.0	763.34
7	16	716.17	0.0	7.31e-05	26.73	0.0	-454.78	-242.04	0.0	0.0	0.0	716.17
		630.46	0.0	0.0	0.0	9.4	-451.26	-235.23	0.0	0.0	0.0	693.80
						18.8	-447.75	-228.51	0.0	0.0	0.0	672.06
						28.1	-444.23	-221.87	0.0	0.0	0.0	650.95
						37.5	-440.71	-215.31	0.0	0.0	0.0	630.46

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
7	17	962.10	0.0	6.26e-05	30.65	0.0	-540.42	-312.20	0.0	0.0	0.0	962.10
		850.81	0.0	0.0	0.0	9.4	-536.90	-304.44	0.0	0.0	0.0	933.20
						18.8	-533.38	-296.74	0.0	0.0	0.0	905.02
						28.1	-529.87	-289.11	0.0	0.0	0.0	877.56
						37.5	-526.35	-281.55	0.0	0.0	0.0	850.81
7	18	730.44	0.0	7.19e-05	26.73	0.0	-410.17	-257.40	0.0	0.0	0.0	730.44
		638.97	0.0	0.0	0.0	9.4	-406.65	-250.59	0.0	0.0	0.0	706.63
						18.8	-403.14	-243.86	0.0	0.0	0.0	683.46
						28.1	-399.62	-237.22	0.0	0.0	0.0	660.91
						37.5	-396.11	-230.67	0.0	0.0	0.0	638.97
8	1	-811.84	0.0	3.81e-05	-9.44	0.0	-581.81	-71.26	0.0	0.0	0.0	-811.84
		-827.04	0.0	0.0	0.0	5.0	-579.28	-73.65	0.0	0.0	0.0	-815.46
						10.0	-576.75	-76.01	0.0	0.0	0.0	-819.20
						15.0	-574.22	-78.36	0.0	0.0	0.0	-823.06
						20.0	-571.69	-80.70	0.0	0.0	0.0	-827.04
8	2	-1137.17	0.0	5.26e-05	-0.66	0.0	-470.64	-50.86	0.0	0.0	0.0	-1137.17
		-1147.42	0.0	0.0	0.0	5.0	-468.11	-51.06	0.0	0.0	0.0	-1139.72
						10.0	-465.57	-51.24	0.0	0.0	0.0	-1142.28
						15.0	-463.04	-51.39	0.0	0.0	0.0	-1144.84
						20.0	-460.51	-51.52	0.0	0.0	0.0	-1147.42
8	3	-748.71	0.0	2.44e-05	-0.66	0.0	-345.57	-46.33	0.0	0.0	0.0	-748.71
		-758.05	0.0	0.0	0.0	5.0	-343.04	-46.53	0.0	0.0	0.0	-751.03
						10.0	-340.51	-46.71	0.0	0.0	0.0	-753.37
						15.0	-337.98	-46.86	0.0	0.0	0.0	-755.71
						20.0	-335.45	-46.99	0.0	0.0	0.0	-758.05
8	4	-1088.43	0.0	9.22e-05	-0.66	0.0	-530.41	-15.54	0.0	0.0	0.0	-1088.43
		-1091.61	0.0	0.0	0.0	5.0	-527.88	-15.74	0.0	0.0	0.0	-1089.21
						10.0	-525.35	-15.92	0.0	0.0	0.0	-1090.00
						15.0	-522.81	-16.07	0.0	0.0	0.0	-1090.80
						20.0	-520.28	-16.20	0.0	0.0	0.0	-1091.61
8	5	-574.30	0.0	-8.22e-05	-5.54	0.0	-419.67	-0.36	0.0	0.0	0.0	-574.30
		-574.93	0.0	0.0	0.0	5.0	-417.13	-1.78	0.0	0.0	0.0	-574.35
						10.0	-414.60	-3.17	0.0	0.0	0.0	-574.48
						15.0	-412.07	-4.54	0.0	0.0	0.0	-574.67
						20.0	-409.54	-5.90	0.0	0.0	0.0	-574.93
8	6	-737.39	0.0	-1.01e-04	-0.66	0.0	-356.67	18.16	0.0	0.0	0.0	-740.95
		-740.95	0.0	0.0	0.0	5.0	-354.14	17.96	0.0	0.0	0.0	-740.05
						10.0	-351.61	17.78	0.0	0.0	0.0	-739.16
						15.0	-349.08	17.63	0.0	0.0	0.0	-738.27
						20.0	-346.55	17.50	0.0	0.0	0.0	-737.39
8	7	-536.61	0.0	-7.46e-05	-0.66	0.0	-288.42	13.49	0.0	0.0	0.0	-539.23
		-539.23	0.0	0.0	0.0	5.0	-285.89	13.29	0.0	0.0	0.0	-538.56
						10.0	-283.36	13.11	0.0	0.0	0.0	-537.90
						15.0	-280.83	12.96	0.0	0.0	0.0	-537.25
						20.0	-278.30	12.83	0.0	0.0	0.0	-536.61
8	8	-706.39	0.0	-1.23e-04	-0.66	0.0	-389.88	37.78	0.0	0.0	0.0	-713.88
		-713.88	0.0	0.0	0.0	5.0	-387.35	37.58	0.0	0.0	0.0	-711.99
						10.0	-384.82	37.40	0.0	0.0	0.0	-710.12
						15.0	-382.29	37.25	0.0	0.0	0.0	-708.25
						20.0	-379.76	37.12	0.0	0.0	0.0	-706.39
8	9	-248.64	0.0	-6.80e-05	-4.67	0.0	-168.81	-45.00	0.0	0.0	0.0	-248.64
		-258.11	0.0	0.0	0.0	5.0	-166.94	-46.20	0.0	0.0	0.0	-250.92
						10.0	-165.06	-47.38	0.0	0.0	0.0	-253.26
						15.0	-163.19	-48.54	0.0	0.0	0.0	-255.66
						20.0	-161.31	-49.68	0.0	0.0	0.0	-258.11
8	10	-604.13	0.0	2.51e-05	-6.99	0.0	-431.18	-54.73	0.0	0.0	0.0	-604.13
		-615.78	0.0	0.0	0.0	5.0	-429.31	-56.49	0.0	0.0	0.0	-606.91
						10.0	-427.43	-58.25	0.0	0.0	0.0	-609.78
						15.0	-425.56	-59.99	0.0	0.0	0.0	-612.73
						20.0	-423.68	-61.72	0.0	0.0	0.0	-615.78
8	11	-841.43	0.0	3.87e-05	-0.49	0.0	-348.51	-37.73	0.0	0.0	0.0	-841.43
		-849.03	0.0	0.0	0.0	5.0	-346.64	-37.88	0.0	0.0	0.0	-843.32
						10.0	-344.76	-38.01	0.0	0.0	0.0	-845.22
						15.0	-342.89	-38.13	0.0	0.0	0.0	-847.12
						20.0	-341.01	-38.22	0.0	0.0	0.0	-849.03
8	12	-557.37	0.0	1.50e-05	-0.49	0.0	-256.19	-36.26	0.0	0.0	0.0	-557.37
		-564.68	0.0	0.0	0.0	5.0	-254.32	-36.41	0.0	0.0	0.0	-559.19
						10.0	-252.44	-36.54	0.0	0.0	0.0	-561.01
						15.0	-250.57	-36.65	0.0	0.0	0.0	-562.84
						20.0	-248.69	-36.75	0.0	0.0	0.0	-564.68
8	13	-805.32	0.0	6.79e-05	-0.49	0.0	-392.79	-11.57	0.0	0.0	0.0	-805.32
		-807.69	0.0	0.0	0.0	5.0	-390.91	-11.72	0.0	0.0	0.0	-805.91
						10.0	-389.04	-11.85	0.0	0.0	0.0	-806.50
						15.0	-387.16	-11.96	0.0	0.0	0.0	-807.09



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
8	14	-542.37	0.0	2.39e-05	-5.36	20.0	-385.29	-12.06	0.0	0.0	0.0	-807.69
		-551.31	0.0	0.0	0.0	5.0	-369.19	-41.98	0.0	0.0	0.0	-542.37
						10.0	-367.32	-43.34	0.0	0.0	0.0	-544.51
						15.0	-365.44	-44.69	0.0	0.0	0.0	-546.71
						20.0	-363.57	-46.02	0.0	0.0	0.0	-548.98
8	15	-718.08	0.0	3.58e-05	-0.49	0.0	-361.69	-47.34	0.0	0.0	0.0	-551.31
		-723.75	0.0	0.0	0.0	5.0	-306.99	-28.08	0.0	0.0	0.0	-718.08
						10.0	-305.12	-28.23	0.0	0.0	0.0	-719.49
						15.0	-303.24	-28.36	0.0	0.0	0.0	-720.91
						20.0	-301.37	-28.47	0.0	0.0	0.0	-722.33
8	16	-507.31	0.0	1.64e-05	-0.49	0.0	-299.49	-28.57	0.0	0.0	0.0	-723.75
		-512.98	0.0	0.0	0.0	5.0	-237.95	-28.13	0.0	0.0	0.0	-507.31
						10.0	-236.08	-28.28	0.0	0.0	0.0	-508.72
						15.0	-234.20	-28.41	0.0	0.0	0.0	-510.13
						20.0	-232.33	-28.52	0.0	0.0	0.0	-511.56
8	17	-691.01	0.0	5.78e-05	-0.49	0.0	-230.45	-28.62	0.0	0.0	0.0	-512.98
		-692.75	0.0	0.0	0.0	5.0	-340.20	-8.46	0.0	0.0	0.0	-691.01
						10.0	-338.32	-8.61	0.0	0.0	0.0	-691.43
						15.0	-336.45	-8.74	0.0	0.0	0.0	-691.87
						20.0	-334.57	-8.85	0.0	0.0	0.0	-692.31
8	18	-367.30	0.0	9.08e-06	-0.49	0.0	-332.70	-8.95	0.0	0.0	0.0	-692.75
		-369.53	0.0	0.0	0.0	5.0	-184.00	-10.87	0.0	0.0	0.0	-367.30
						10.0	-182.13	-11.02	0.0	0.0	0.0	-367.85
						15.0	-180.25	-11.16	0.0	0.0	0.0	-368.41
						20.0	-178.38	-11.27	0.0	0.0	0.0	-368.97
9	1	-1800.37	0.0	-2.15e-04	-35.39	0.0	-176.50	-11.36	0.0	0.0	0.0	-369.53
		-1961.33	0.0	0.0	0.0	9.4	-947.58	446.99	0.0	0.0	0.0	-1961.33
						18.8	-942.83	438.05	0.0	0.0	0.0	-1919.84
						28.1	-938.08	429.18	0.0	0.0	0.0	-1879.19
						37.5	-933.34	420.36	0.0	0.0	0.0	-1839.37
9	2	-1432.38	0.0	2.18e-04	-28.33	0.0	-928.59	411.60	0.0	0.0	0.0	-1800.37
		-1518.73	0.0	0.0	0.0	9.4	-836.40	244.55	0.0	0.0	0.0	-1518.73
						18.8	-831.66	237.33	0.0	0.0	0.0	-1496.14
						28.1	-826.91	230.20	0.0	0.0	0.0	-1474.23
						37.5	-822.16	223.16	0.0	0.0	0.0	-1452.98
9	3	-1074.94	0.0	1.65e-04	-28.33	0.0	-817.42	216.21	0.0	0.0	0.0	-1432.38
		-1162.98	0.0	0.0	0.0	9.4	-711.34	249.07	0.0	0.0	0.0	-1162.98
						18.8	-706.59	241.86	0.0	0.0	0.0	-1139.97
						28.1	-701.85	234.73	0.0	0.0	0.0	-1117.63
						37.5	-697.10	227.69	0.0	0.0	0.0	-1095.96
9	4	-1625.57	0.0	1.64e-04	-28.33	0.0	-692.36	220.74	0.0	0.0	0.0	-1074.94
		-1725.16	0.0	0.0	0.0	9.4	-896.17	279.86	0.0	0.0	0.0	-1725.16
						18.8	-891.43	272.65	0.0	0.0	0.0	-1699.26
						28.1	-886.68	265.52	0.0	0.0	0.0	-1674.04
						37.5	-881.94	258.48	0.0	0.0	0.0	-1649.48
9	5	-1678.25	0.0	-9.82e-05	-32.25	0.0	-877.19	251.53	0.0	0.0	0.0	-1625.57
		-1829.24	0.0	0.0	0.0	9.4	-785.43	418.85	0.0	0.0	0.0	-1829.24
						18.8	-780.69	410.68	0.0	0.0	0.0	-1790.35
						28.1	-775.94	402.58	0.0	0.0	0.0	-1752.23
						37.5	-771.19	394.55	0.0	0.0	0.0	-1714.87
9	6	-1508.94	0.0	-8.31e-05	-28.33	0.0	-766.45	386.59	0.0	0.0	0.0	-1678.25
		-1621.17	0.0	0.0	0.0	9.4	-722.44	313.56	0.0	0.0	0.0	-1621.17
						18.8	-717.69	306.35	0.0	0.0	0.0	-1592.11
						28.1	-712.95	299.22	0.0	0.0	0.0	-1563.72
						37.5	-708.20	292.18	0.0	0.0	0.0	-1536.00
9	7	-1275.23	0.0	-7.08e-05	-28.33	0.0	-703.46	285.23	0.0	0.0	0.0	-1508.94
		-1385.71	0.0	0.0	0.0	9.4	-654.19	308.89	0.0	0.0	0.0	-1385.71
						18.8	-649.44	301.68	0.0	0.0	0.0	-1357.09
						28.1	-644.70	294.55	0.0	0.0	0.0	-1329.14
						37.5	-639.95	287.51	0.0	0.0	0.0	-1301.86
9	8	-1616.26	0.0	-5.35e-05	-28.33	0.0	-635.20	280.56	0.0	0.0	0.0	-1275.23
		-1735.85	0.0	0.0	0.0	9.4	-755.65	333.18	0.0	0.0	0.0	-1735.85
						18.8	-750.90	325.97	0.0	0.0	0.0	-1704.95
						28.1	-746.15	318.84	0.0	0.0	0.0	-1674.73
						37.5	-741.41	311.80	0.0	0.0	0.0	-1645.17
9	9	-1018.65	0.0	-1.03e-05	-28.83	0.0	-736.66	304.85	0.0	0.0	0.0	-1616.26
		-1143.67	0.0	0.0	0.0	9.4	-439.75	347.91	0.0	0.0	0.0	-1143.67
						18.8	-436.23	340.60	0.0	0.0	0.0	-1111.40
						28.1	-432.72	333.36	0.0	0.0	0.0	-1079.81
						37.5	-429.20	326.18	0.0	0.0	0.0	-1048.89
9	10	-1323.10	0.0	-1.64e-04	-26.22	0.0	-425.69	319.07	0.0	0.0	0.0	-1018.65
		-1441.60	0.0	0.0	0.0	9.4	-702.12	329.16	0.0	0.0	0.0	-1441.60
						18.8	-698.61	322.55	0.0	0.0	0.0	-1411.05
						28.1	-695.09	315.97	0.0	0.0	0.0	-1381.12

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							28.1	-691.57	309.44	0.0	0.0	0.0	-1351.81
							37.5	-688.06	302.95	0.0	0.0	0.0	-1323.10
9	11	-1059.71	0.0	1.62e-04	-20.99	0.0	-619.45	181.09	0.0	0.0	0.0	-1123.65	
		-1123.65	0.0	0.0	0.0	9.4	-615.93	175.74	0.0	0.0	0.0	-1106.93	
							18.8	-612.42	170.46	0.0	0.0	0.0	-1090.70
							28.1	-608.90	165.25	0.0	0.0	0.0	-1074.96
							37.5	-605.39	160.10	0.0	0.0	0.0	-1059.71
9	12	-785.74	0.0	1.27e-04	-20.99	0.0	-527.13	182.56	0.0	0.0	0.0	-850.23	
		-850.23	0.0	0.0	0.0	9.4	-523.62	177.21	0.0	0.0	0.0	-833.37	
							18.8	-520.10	171.93	0.0	0.0	0.0	-817.00
							28.1	-516.58	166.72	0.0	0.0	0.0	-801.13
							37.5	-513.07	161.57	0.0	0.0	0.0	-785.74
9	13	-1202.82	0.0	1.22e-04	-20.99	0.0	-663.72	207.25	0.0	0.0	0.0	-1276.57	
		-1276.57	0.0	0.0	0.0	9.4	-660.21	201.90	0.0	0.0	0.0	-1257.39	
							18.8	-656.69	196.62	0.0	0.0	0.0	-1238.71
							28.1	-653.18	191.41	0.0	0.0	0.0	-1220.52
							37.5	-649.66	186.26	0.0	0.0	0.0	-1202.82
9	14	-1194.39	0.0	-1.46e-04	-24.91	0.0	-640.13	300.64	0.0	0.0	0.0	-1302.43	
		-1302.43	0.0	0.0	0.0	9.4	-636.62	294.34	0.0	0.0	0.0	-1274.54	
							18.8	-633.10	288.09	0.0	0.0	0.0	-1247.24
							28.1	-629.58	281.89	0.0	0.0	0.0	-1220.52
							37.5	-626.07	275.73	0.0	0.0	0.0	-1194.39
9	15	-1002.49	0.0	1.42e-04	-20.99	0.0	-577.93	190.74	0.0	0.0	0.0	-1070.05	
		-1070.05	0.0	0.0	0.0	9.4	-574.41	185.39	0.0	0.0	0.0	-1052.42	
							18.8	-570.90	180.11	0.0	0.0	0.0	-1035.29
							28.1	-567.38	174.90	0.0	0.0	0.0	-1018.65
							37.5	-563.87	169.75	0.0	0.0	0.0	-1002.49
9	16	-791.37	0.0	1.19e-04	-20.99	0.0	-508.89	190.69	0.0	0.0	0.0	-858.91	
		-858.91	0.0	0.0	0.0	9.4	-505.37	185.34	0.0	0.0	0.0	-841.28	
							18.8	-501.86	180.06	0.0	0.0	0.0	-824.15
							28.1	-498.34	174.85	0.0	0.0	0.0	-807.52
							37.5	-494.83	169.70	0.0	0.0	0.0	-791.37
9	17	-1109.82	0.0	1.12e-04	-20.99	0.0	-611.14	210.36	0.0	0.0	0.0	-1184.73	
		-1184.73	0.0	0.0	0.0	9.4	-607.62	205.02	0.0	0.0	0.0	-1165.26	
							18.8	-604.10	199.74	0.0	0.0	0.0	-1146.29
							28.1	-600.59	194.52	0.0	0.0	0.0	-1127.81
							37.5	-597.07	189.37	0.0	0.0	0.0	-1109.82
9	18	-769.55	0.0	1.10e-04	-20.99	0.0	-454.94	207.94	0.0	0.0	0.0	-843.56	
		-843.56	0.0	0.0	0.0	9.4	-451.43	202.60	0.0	0.0	0.0	-824.32	
							18.8	-447.91	197.32	0.0	0.0	0.0	-805.57
							28.1	-444.39	192.10	0.0	0.0	0.0	-787.32
							37.5	-440.88	186.96	0.0	0.0	0.0	-769.55
10	1	322.03	0.0	-2.81e-05	0.0	0.0	-728.22	43.33	0.0	0.0	0.0	313.36	
		313.36	0.0	0.0	0.0	5.0	-726.03	43.33	0.0	0.0	0.0	315.53	
							10.0	-723.83	43.33	0.0	0.0	0.0	317.70
							15.0	-721.64	43.33	0.0	0.0	0.0	319.86
							20.0	-719.44	43.33	0.0	0.0	0.0	322.03
10	2	550.92	0.0	8.70e-05	0.0	0.0	-851.75	42.54	0.0	0.0	0.0	542.41	
		542.41	0.0	0.0	0.0	5.0	-849.55	42.54	0.0	0.0	0.0	544.54	
							10.0	-847.36	42.54	0.0	0.0	0.0	546.67
							15.0	-845.16	42.54	0.0	0.0	0.0	548.80
							20.0	-842.97	42.54	0.0	0.0	0.0	550.92
10	3	150.61	0.0	2.50e-05	0.0	0.0	-956.53	-8.49	0.0	0.0	0.0	150.61	
		148.91	0.0	0.0	0.0	5.0	-954.33	-8.49	0.0	0.0	0.0	150.19	
							10.0	-952.14	-8.49	0.0	0.0	0.0	149.76
							15.0	-949.94	-8.49	0.0	0.0	0.0	149.34
							20.0	-947.75	-8.49	0.0	0.0	0.0	148.91
10	4	340.92	0.0	3.21e-05	0.0	0.0	-1095.36	24.96	0.0	0.0	0.0	335.93	
		335.93	0.0	0.0	0.0	5.0	-1093.16	24.96	0.0	0.0	0.0	337.18	
							10.0	-1090.97	24.96	0.0	0.0	0.0	338.43
							15.0	-1088.78	24.96	0.0	0.0	0.0	339.68
							20.0	-1086.58	24.96	0.0	0.0	0.0	340.92
10	5	432.19	0.0	-3.20e-05	0.0	0.0	-636.34	106.07	0.0	0.0	0.0	410.98	
		410.98	0.0	0.0	0.0	5.0	-634.14	106.07	0.0	0.0	0.0	416.28	
							10.0	-631.95	106.07	0.0	0.0	0.0	421.59
							15.0	-629.76	106.07	0.0	0.0	0.0	426.89
							20.0	-627.56	106.07	0.0	0.0	0.0	432.19
10	6	567.10	0.0	-3.38e-06	0.0	0.0	-706.34	105.56	0.0	0.0	0.0	545.99	
		545.99	0.0	0.0	0.0	5.0	-704.15	105.56	0.0	0.0	0.0	551.27	
							10.0	-701.95	105.56	0.0	0.0	0.0	556.55
							15.0	-699.76	105.56	0.0	0.0	0.0	561.83
							20.0	-697.57	105.56	0.0	0.0	0.0	567.10
10	7	336.02	0.0	-3.37e-05	0.0	0.0	-763.17	77.28	0.0	0.0	0.0	320.56	
		320.56	0.0	0.0	0.0	5.0	-760.98	77.28	0.0	0.0	0.0	324.43	

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							10.0	-758.79	77.28	0.0	0.0	328.29	
							15.0	-756.59	77.28	0.0	0.0	332.15	
							20.0	-754.40	77.28	0.0	0.0	336.02	
10	8	450.44	0.0	-2.71e-05	0.0	0.0	-841.68	95.79	0.0	0.0	0.0	431.28	
		431.28	0.0	0.0	0.0	5.0	-839.49	95.79	0.0	0.0	0.0	436.07	
							10.0	-837.29	95.79	0.0	0.0	0.0	440.86
							15.0	-835.10	95.79	0.0	0.0	0.0	445.65
							20.0	-832.91	95.79	0.0	0.0	0.0	450.44
10	9	319.04	0.0	-5.54e-05	0.0	0.0	-385.62	84.80	0.0	0.0	0.0	302.09	
		302.09	0.0	0.0	0.0	5.0	-383.99	84.80	0.0	0.0	0.0	306.33	
							10.0	-382.37	84.80	0.0	0.0	0.0	310.57
							15.0	-380.74	84.80	0.0	0.0	0.0	314.81
							20.0	-379.12	84.80	0.0	0.0	0.0	319.04
10	10	238.71	0.0	-2.06e-05	0.0	0.0	-538.93	32.20	0.0	0.0	0.0	232.27	
		232.27	0.0	0.0	0.0	5.0	-537.30	32.20	0.0	0.0	0.0	233.88	
							10.0	-535.68	32.20	0.0	0.0	0.0	235.49
							15.0	-534.05	32.20	0.0	0.0	0.0	237.10
							20.0	-532.43	32.20	0.0	0.0	0.0	238.71
10	11	410.29	0.0	6.50e-05	0.0	0.0	-630.79	31.59	0.0	0.0	0.0	403.97	
		403.97	0.0	0.0	0.0	5.0	-629.17	31.59	0.0	0.0	0.0	405.55	
							10.0	-627.54	31.59	0.0	0.0	0.0	407.13
							15.0	-625.92	31.59	0.0	0.0	0.0	408.71
							20.0	-624.29	31.59	0.0	0.0	0.0	410.29
10	12	111.71	0.0	1.83e-05	0.0	0.0	-708.05	-6.19	0.0	0.0	0.0	111.71	
		110.47	0.0	0.0	0.0	5.0	-706.42	-6.19	0.0	0.0	0.0	111.40	
							10.0	-704.80	-6.19	0.0	0.0	0.0	111.09
							15.0	-703.17	-6.19	0.0	0.0	0.0	110.78
							20.0	-701.55	-6.19	0.0	0.0	0.0	110.47
10	13	254.73	0.0	2.43e-05	0.0	0.0	-811.24	18.57	0.0	0.0	0.0	251.02	
		251.02	0.0	0.0	0.0	5.0	-809.62	18.57	0.0	0.0	0.0	251.95	
							10.0	-807.99	18.57	0.0	0.0	0.0	252.88
							15.0	-806.37	18.57	0.0	0.0	0.0	253.80
							20.0	-804.74	18.57	0.0	0.0	0.0	254.73
10	14	196.68	0.0	-1.90e-05	0.0	0.0	-502.34	21.85	0.0	0.0	0.0	192.31	
		192.31	0.0	0.0	0.0	5.0	-500.72	21.85	0.0	0.0	0.0	193.40	
							10.0	-499.09	21.85	0.0	0.0	0.0	194.49
							15.0	-497.47	21.85	0.0	0.0	0.0	195.58
							20.0	-495.84	21.85	0.0	0.0	0.0	196.68
10	15	326.60	0.0	5.27e-05	0.0	0.0	-571.46	21.38	0.0	0.0	0.0	322.33	
		322.33	0.0	0.0	0.0	5.0	-569.83	21.38	0.0	0.0	0.0	323.40	
							10.0	-568.21	21.38	0.0	0.0	0.0	324.47
							15.0	-566.58	21.38	0.0	0.0	0.0	325.54
							20.0	-564.96	21.38	0.0	0.0	0.0	326.60
10	16	101.89	0.0	1.73e-05	0.0	0.0	-629.18	-6.94	0.0	0.0	0.0	101.89	
		100.50	0.0	0.0	0.0	5.0	-627.55	-6.94	0.0	0.0	0.0	101.54	
							10.0	-625.93	-6.94	0.0	0.0	0.0	101.19
							15.0	-624.30	-6.94	0.0	0.0	0.0	100.85
							20.0	-622.68	-6.94	0.0	0.0	0.0	100.50
10	17	209.94	0.0	2.21e-05	0.0	0.0	-706.80	11.61	0.0	0.0	0.0	207.62	
		207.62	0.0	0.0	0.0	5.0	-705.17	11.61	0.0	0.0	0.0	208.20	
							10.0	-703.55	11.61	0.0	0.0	0.0	208.78
							15.0	-701.92	11.61	0.0	0.0	0.0	209.36
							20.0	-700.30	11.61	0.0	0.0	0.0	209.94
10	18	72.96	0.0	1.34e-05	0.0	0.0	-390.76	-8.84	0.0	0.0	0.0	72.96	
		71.19	0.0	0.0	0.0	5.0	-389.14	-8.84	0.0	0.0	0.0	72.52	
							10.0	-387.51	-8.84	0.0	0.0	0.0	72.08
							15.0	-385.89	-8.84	0.0	0.0	0.0	71.64
							20.0	-384.26	-8.84	0.0	0.0	0.0	71.19
11	1	16.53	0.0	-1.79e-05	0.0	0.0	-1045.22	43.33	0.0	0.0	0.0	0.28	
		0.28	0.0	0.0	0.0	9.4	-1041.10	43.33	0.0	0.0	0.0	4.34	
							18.8	-1036.99	43.33	0.0	0.0	0.0	8.41
							28.1	-1032.88	43.33	0.0	0.0	0.0	12.47
							37.5	-1028.76	43.33	0.0	0.0	0.0	16.53
11	2	250.99	0.0	7.99e-06	0.0	0.0	-1168.74	42.54	0.0	0.0	0.0	235.04	
		235.04	0.0	0.0	0.0	9.4	-1164.63	42.54	0.0	0.0	0.0	239.02	
							18.8	-1160.52	42.54	0.0	0.0	0.0	243.01
							28.1	-1156.40	42.54	0.0	0.0	0.0	247.00
							37.5	-1152.29	42.54	0.0	0.0	0.0	250.99
11	3	211.96	0.0	3.12e-05	0.0	0.0	-1273.52	-8.49	0.0	0.0	0.0	211.96	
		208.78	0.0	0.0	0.0	9.4	-1269.41	-8.49	0.0	0.0	0.0	211.17	
							18.8	-1265.30	-8.49	0.0	0.0	0.0	210.37
							28.1	-1261.18	-8.49	0.0	0.0	0.0	209.57
							37.5	-1257.07	-8.49	0.0	0.0	0.0	208.78
11	4	164.96	0.0	4.79e-05	0.0	0.0	-1412.36	24.96	0.0	0.0	0.0	155.60	

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		155.60	0.0	0.0	0.0	9.4	-1408.24	24.96	0.0	0.0	0.0	157.94
						18.8	-1404.13	24.96	0.0	0.0	0.0	160.28
						28.1	-1400.02	24.96	0.0	0.0	0.0	162.62
						37.5	-1395.90	24.96	0.0	0.0	0.0	164.96
11	5	-315.62	0.0	-7.86e-05	0.0	0.0	-953.33	106.07	0.0	0.0	0.0	-355.39
		-355.39	0.0	0.0	0.0	9.4	-949.22	106.07	0.0	0.0	0.0	-345.45
						18.8	-945.11	106.07	0.0	0.0	0.0	-335.50
						28.1	-940.99	106.07	0.0	0.0	0.0	-325.56
						37.5	-936.88	106.07	0.0	0.0	0.0	-315.62
11	6	-177.11	0.0	-7.16e-05	0.0	0.0	-1023.34	105.56	0.0	0.0	0.0	-216.70
		-216.70	0.0	0.0	0.0	9.4	-1019.22	105.56	0.0	0.0	0.0	-206.80
						18.8	-1015.11	105.56	0.0	0.0	0.0	-196.91
						28.1	-1011.00	105.56	0.0	0.0	0.0	-187.01
						37.5	-1006.88	105.56	0.0	0.0	0.0	-177.11
11	7	-208.81	0.0	-8.60e-05	0.0	0.0	-1080.17	77.28	0.0	0.0	0.0	-237.79
		-237.79	0.0	0.0	0.0	9.4	-1076.06	77.28	0.0	0.0	0.0	-230.55
						18.8	-1071.94	77.28	0.0	0.0	0.0	-223.30
						28.1	-1067.83	77.28	0.0	0.0	0.0	-216.06
						37.5	-1063.72	77.28	0.0	0.0	0.0	-208.81
11	8	-224.91	0.0	-9.38e-05	0.0	0.0	-1158.68	95.79	0.0	0.0	0.0	-260.83
		-260.83	0.0	0.0	0.0	9.4	-1154.56	95.79	0.0	0.0	0.0	-251.85
						18.8	-1150.45	95.79	0.0	0.0	0.0	-242.87
						28.1	-1146.34	95.79	0.0	0.0	0.0	-233.89
						37.5	-1142.22	95.79	0.0	0.0	0.0	-224.91
11	9	-374.75	0.0	-9.04e-05	0.0	0.0	-620.43	104.68	0.0	0.0	0.0	-414.01
		-414.01	0.0	0.0	0.0	9.4	-617.38	104.68	0.0	0.0	0.0	-404.20
						18.8	-614.34	104.68	0.0	0.0	0.0	-394.38
						28.1	-611.29	104.68	0.0	0.0	0.0	-384.57
						37.5	-608.24	104.68	0.0	0.0	0.0	-374.75
11	10	11.72	0.0	-1.36e-05	0.0	0.0	-773.74	32.20	0.0	0.0	0.0	-0.35
		-0.35	0.0	0.0	0.0	9.4	-770.69	32.20	0.0	0.0	0.0	2.66
						18.8	-767.65	32.20	0.0	0.0	0.0	5.68
						28.1	-764.60	32.20	0.0	0.0	0.0	8.70
						37.5	-761.55	32.20	0.0	0.0	0.0	11.72
11	11	187.55	0.0	5.83e-06	0.0	0.0	-865.60	31.59	0.0	0.0	0.0	175.71
		175.71	0.0	0.0	0.0	9.4	-862.56	31.59	0.0	0.0	0.0	178.67
						18.8	-859.51	31.59	0.0	0.0	0.0	181.63
						28.1	-856.46	31.59	0.0	0.0	0.0	184.59
						37.5	-853.42	31.59	0.0	0.0	0.0	187.55
11	12	156.45	0.0	2.34e-05	0.0	0.0	-942.86	-6.19	0.0	0.0	0.0	156.45
		154.12	0.0	0.0	0.0	9.4	-939.81	-6.19	0.0	0.0	0.0	155.87
						18.8	-936.76	-6.19	0.0	0.0	0.0	155.29
						28.1	-933.72	-6.19	0.0	0.0	0.0	154.71
						37.5	-930.67	-6.19	0.0	0.0	0.0	154.12
11	13	123.83	0.0	3.54e-05	0.0	0.0	-1046.06	18.57	0.0	0.0	0.0	116.86
		116.86	0.0	0.0	0.0	9.4	-1043.01	18.57	0.0	0.0	0.0	118.60
						18.8	-1039.96	18.57	0.0	0.0	0.0	120.34
						28.1	-1036.92	18.57	0.0	0.0	0.0	122.09
						37.5	-1033.87	18.57	0.0	0.0	0.0	123.83
11	14	42.66	0.0	-1.49e-05	0.0	0.0	-737.15	21.85	0.0	0.0	0.0	34.46
		34.46	0.0	0.0	0.0	9.4	-734.11	21.85	0.0	0.0	0.0	36.51
						18.8	-731.06	21.85	0.0	0.0	0.0	38.56
						28.1	-728.01	21.85	0.0	0.0	0.0	40.61
						37.5	-724.97	21.85	0.0	0.0	0.0	42.66
11	15	175.86	0.0	8.84e-06	0.0	0.0	-806.27	21.38	0.0	0.0	0.0	167.84
		167.84	0.0	0.0	0.0	9.4	-803.22	21.38	0.0	0.0	0.0	169.84
						18.8	-800.18	21.38	0.0	0.0	0.0	171.85
						28.1	-797.13	21.38	0.0	0.0	0.0	173.85
						37.5	-794.08	21.38	0.0	0.0	0.0	175.86
11	16	152.06	0.0	2.23e-05	0.0	0.0	-863.99	-6.94	0.0	0.0	0.0	152.06
		149.46	0.0	0.0	0.0	9.4	-860.94	-6.94	0.0	0.0	0.0	151.41
						18.8	-857.90	-6.94	0.0	0.0	0.0	150.76
						28.1	-854.85	-6.94	0.0	0.0	0.0	150.11
						37.5	-851.80	-6.94	0.0	0.0	0.0	149.46
11	17	128.06	0.0	3.10e-05	0.0	0.0	-941.61	11.61	0.0	0.0	0.0	123.71
		123.71	0.0	0.0	0.0	9.4	-938.57	11.61	0.0	0.0	0.0	124.79
						18.8	-935.52	11.61	0.0	0.0	0.0	125.88
						28.1	-932.47	11.61	0.0	0.0	0.0	126.97
						37.5	-929.42	11.61	0.0	0.0	0.0	128.06
11	18	136.85	0.0	1.99e-05	0.0	0.0	-625.58	-8.84	0.0	0.0	0.0	136.85
		133.53	0.0	0.0	0.0	9.4	-622.53	-8.84	0.0	0.0	0.0	136.02
						18.8	-619.48	-8.84	0.0	0.0	0.0	135.19
						28.1	-616.44	-8.84	0.0	0.0	0.0	134.36
						37.5	-613.39	-8.84	0.0	0.0	0.0	133.53

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
12	1	-798.55	0.0	3.47e-05	-9.70	0.0	-591.94	-61.56	0.0	0.0	0.0	-798.55
		-811.84	0.0	0.0	0.0	5.0	-589.40	-64.01	0.0	0.0	0.0	-801.69
						10.0	-586.87	-66.45	0.0	0.0	0.0	-804.95
						15.0	-584.34	-68.86	0.0	0.0	0.0	-808.33
						20.0	-581.81	-71.26	0.0	0.0	0.0	-811.84
12	2	-1127.10	0.0	4.78e-05	-1.07	0.0	-480.76	-49.79	0.0	0.0	0.0	-1127.10
		-1137.17	0.0	0.0	0.0	5.0	-478.23	-50.10	0.0	0.0	0.0	-1129.60
						10.0	-475.70	-50.38	0.0	0.0	0.0	-1132.11
						15.0	-473.17	-50.63	0.0	0.0	0.0	-1134.63
						20.0	-470.64	-50.86	0.0	0.0	0.0	-1137.17
12	3	-739.55	0.0	2.13e-05	-1.07	0.0	-355.70	-45.26	0.0	0.0	0.0	-739.55
		-748.71	0.0	0.0	0.0	5.0	-353.17	-45.57	0.0	0.0	0.0	-741.82
						10.0	-350.64	-45.85	0.0	0.0	0.0	-744.10
						15.0	-348.11	-46.10	0.0	0.0	0.0	-746.40
						20.0	-345.57	-46.33	0.0	0.0	0.0	-748.71
12	4	-1085.42	0.0	8.76e-05	-1.07	0.0	-540.53	-14.47	0.0	0.0	0.0	-1085.42
		-1088.43	0.0	0.0	0.0	5.0	-538.00	-14.78	0.0	0.0	0.0	-1086.15
						10.0	-535.47	-15.06	0.0	0.0	0.0	-1086.90
						15.0	-532.94	-15.31	0.0	0.0	0.0	-1087.66
						20.0	-530.41	-15.54	0.0	0.0	0.0	-1088.43
12	5	-574.30	0.0	-7.98e-05	-5.86	0.0	-429.79	5.50	0.0	0.0	0.0	-574.81
		-574.81	0.0	0.0	0.0	5.0	-427.26	4.01	0.0	0.0	0.0	-574.57
						10.0	-424.73	2.53	0.0	0.0	0.0	-574.41
						15.0	-422.20	1.07	0.0	0.0	0.0	-574.32
						20.0	-419.67	-0.36	0.0	0.0	0.0	-574.30
12	6	-740.95	0.0	-9.77e-05	-1.07	0.0	-366.80	19.23	0.0	0.0	0.0	-744.68
		-744.68	0.0	0.0	0.0	5.0	-364.27	18.92	0.0	0.0	0.0	-743.73
						10.0	-361.74	18.64	0.0	0.0	0.0	-742.79
						15.0	-359.21	18.39	0.0	0.0	0.0	-741.87
						20.0	-356.67	18.16	0.0	0.0	0.0	-740.95
12	7	-539.23	0.0	-7.23e-05	-1.07	0.0	-298.55	14.56	0.0	0.0	0.0	-542.03
		-542.03	0.0	0.0	0.0	5.0	-296.02	14.25	0.0	0.0	0.0	-541.31
						10.0	-293.49	13.97	0.0	0.0	0.0	-540.61
						15.0	-290.95	13.72	0.0	0.0	0.0	-539.91
						20.0	-288.42	13.49	0.0	0.0	0.0	-539.23
12	8	-713.88	0.0	-1.20e-04	-1.07	0.0	-400.01	38.85	0.0	0.0	0.0	-721.53
		-721.53	0.0	0.0	0.0	5.0	-397.47	38.54	0.0	0.0	0.0	-719.60
						10.0	-394.94	38.26	0.0	0.0	0.0	-717.68
						15.0	-392.41	38.01	0.0	0.0	0.0	-715.77
						20.0	-389.88	37.78	0.0	0.0	0.0	-713.88
12	9	-240.37	0.0	-6.71e-05	-4.97	0.0	-176.31	-38.85	0.0	0.0	0.0	-240.37
		-248.64	0.0	0.0	0.0	5.0	-174.44	-40.12	0.0	0.0	0.0	-242.34
						10.0	-172.56	-41.37	0.0	0.0	0.0	-244.38
						15.0	-170.69	-42.61	0.0	0.0	0.0	-246.48
						20.0	-168.81	-43.82	0.0	0.0	0.0	-248.64
12	10	-593.90	0.0	2.26e-05	-7.19	0.0	-438.68	-47.54	0.0	0.0	0.0	-593.90
		-604.13	0.0	0.0	0.0	5.0	-436.81	-49.35	0.0	0.0	0.0	-596.32
						10.0	-434.93	-51.16	0.0	0.0	0.0	-598.84
						15.0	-433.06	-52.95	0.0	0.0	0.0	-601.44
						20.0	-431.18	-54.73	0.0	0.0	0.0	-604.13
12	11	-833.96	0.0	3.51e-05	-0.79	0.0	-356.01	-36.94	0.0	0.0	0.0	-833.96
		-841.43	0.0	0.0	0.0	5.0	-354.14	-37.17	0.0	0.0	0.0	-835.81
						10.0	-352.26	-37.37	0.0	0.0	0.0	-837.67
						15.0	-350.39	-37.56	0.0	0.0	0.0	-839.55
						20.0	-348.51	-37.73	0.0	0.0	0.0	-841.43
12	12	-550.19	0.0	1.26e-05	-0.79	0.0	-263.69	-35.47	0.0	0.0	0.0	-550.19
		-557.37	0.0	0.0	0.0	5.0	-261.82	-35.69	0.0	0.0	0.0	-551.97
						10.0	-259.94	-35.90	0.0	0.0	0.0	-553.76
						15.0	-258.07	-36.09	0.0	0.0	0.0	-555.56
						20.0	-256.19	-36.26	0.0	0.0	0.0	-557.37
12	13	-803.09	0.0	6.45e-05	-0.79	0.0	-400.29	-10.78	0.0	0.0	0.0	-803.09
		-805.32	0.0	0.0	0.0	5.0	-398.41	-11.00	0.0	0.0	0.0	-803.63
						10.0	-396.54	-11.21	0.0	0.0	0.0	-804.19
						15.0	-394.66	-11.40	0.0	0.0	0.0	-804.75
						20.0	-392.79	-11.57	0.0	0.0	0.0	-805.32
12	14	-534.53	0.0	2.17e-05	-5.59	0.0	-376.69	-36.39	0.0	0.0	0.0	-534.53
		-542.37	0.0	0.0	0.0	5.0	-374.82	-37.81	0.0	0.0	0.0	-536.39
						10.0	-372.94	-39.21	0.0	0.0	0.0	-538.31
						15.0	-371.07	-40.60	0.0	0.0	0.0	-540.31
						20.0	-369.19	-41.98	0.0	0.0	0.0	-542.37
12	15	-712.54	0.0	3.28e-05	-0.79	0.0	-314.49	-27.29	0.0	0.0	0.0	-712.54
		-718.08	0.0	0.0	0.0	5.0	-312.62	-27.51	0.0	0.0	0.0	-713.91
						10.0	-310.74	-27.72	0.0	0.0	0.0	-715.29
						15.0	-308.87	-27.91	0.0	0.0	0.0	-716.68

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
12	16	-501.75	0.0	1.42e-05	-0.79	20.0	-306.99	-28.08	0.0	0.0	0.0	-718.08
		-507.31	0.0	0.0	0.0	0.0	-245.45	-27.34	0.0	0.0	0.0	-501.75
						5.0	-243.58	-27.56	0.0	0.0	0.0	-503.13
						10.0	-241.70	-27.77	0.0	0.0	0.0	-504.51
						15.0	-239.83	-27.96	0.0	0.0	0.0	-505.90
						20.0	-237.95	-28.13	0.0	0.0	0.0	-507.31
12	17	-689.39	0.0	5.49e-05	-0.79	0.0	-347.70	-7.67	0.0	0.0	0.0	-689.39
		-691.01	0.0	0.0	0.0	5.0	-345.82	-7.89	0.0	0.0	0.0	-689.78
						10.0	-343.95	-8.10	0.0	0.0	0.0	-690.18
						15.0	-342.07	-8.29	0.0	0.0	0.0	-690.59
						20.0	-340.20	-8.46	0.0	0.0	0.0	-691.01
12	18	-365.20	0.0	7.54e-06	-0.79	0.0	-191.50	-10.08	0.0	0.0	0.0	-365.20
		-367.30	0.0	0.0	0.0	5.0	-189.63	-10.31	0.0	0.0	0.0	-365.71
						10.0	-187.75	-10.52	0.0	0.0	0.0	-366.23
						15.0	-185.88	-10.70	0.0	0.0	0.0	-366.77
						20.0	-184.00	-10.87	0.0	0.0	0.0	-367.30
13	1	-876.78	0.0	1.00e-03	-288.97	0.0	-928.59	411.60	0.0	0.0	0.0	-1800.37
		-1800.37	0.0	0.0	0.0	88.8	-883.66	331.54	0.0	0.0	0.0	-1470.99
						177.5	-838.73	256.69	0.0	0.0	0.0	-1210.35
						266.3	-793.80	187.06	0.0	0.0	0.0	-1013.82
						355.0	-748.87	122.62	0.0	0.0	0.0	-876.78
13	2	-1053.49	0.0	1.15e-03	-197.70	0.0	-817.42	216.21	0.0	0.0	0.0	-1432.38
		-1432.38	0.0	0.0	0.0	88.8	-772.49	154.83	0.0	0.0	0.0	-1268.32
						177.5	-727.56	101.42	0.0	0.0	0.0	-1155.20
						266.3	-682.63	55.98	0.0	0.0	0.0	-1085.95
						355.0	-637.70	18.51	0.0	0.0	0.0	-1053.49
13	3	-679.97	0.0	9.26e-04	-197.70	0.0	-692.36	220.74	0.0	0.0	0.0	-1074.94
		-1074.94	0.0	0.0	0.0	88.8	-647.43	159.35	0.0	0.0	0.0	-906.86
						177.5	-602.50	105.94	0.0	0.0	0.0	-789.72
						266.3	-557.57	60.50	0.0	0.0	0.0	-716.45
						355.0	-512.64	23.04	0.0	0.0	0.0	-679.97
13	4	-1121.29	0.0	5.59e-04	-197.70	0.0	-877.19	251.53	0.0	0.0	0.0	-1625.57
		-1625.57	0.0	0.0	0.0	88.8	-832.26	190.15	0.0	0.0	0.0	-1430.17
						177.5	-787.33	136.73	0.0	0.0	0.0	-1285.70
						266.3	-742.40	91.30	0.0	0.0	0.0	-1185.10
						355.0	-697.47	53.83	0.0	0.0	0.0	-1121.29
13	5	-777.24	0.0	1.74e-04	-248.41	0.0	-766.45	386.59	0.0	0.0	0.0	-1678.25
		-1678.25	0.0	0.0	0.0	88.8	-721.52	314.84	0.0	0.0	0.0	-1367.47
						177.5	-676.59	249.52	0.0	0.0	0.0	-1117.52
						266.3	-631.66	190.63	0.0	0.0	0.0	-922.68
						355.0	-586.73	138.19	0.0	0.0	0.0	-777.24
13	6	-885.03	0.0	1.33e-04	-197.70	0.0	-703.46	285.23	0.0	0.0	0.0	-1508.94
		-1508.94	0.0	0.0	0.0	88.8	-658.53	223.85	0.0	0.0	0.0	-1283.62
						177.5	-613.60	170.43	0.0	0.0	0.0	-1109.25
						266.3	-568.67	125.00	0.0	0.0	0.0	-978.74
						355.0	-523.74	87.53	0.0	0.0	0.0	-885.03
13	7	-667.90	0.0	1.18e-04	-197.70	0.0	-635.20	280.56	0.0	0.0	0.0	-1275.23
		-1275.23	0.0	0.0	0.0	88.8	-590.28	219.18	0.0	0.0	0.0	-1054.06
						177.5	-545.35	165.76	0.0	0.0	0.0	-883.84
						266.3	-500.42	120.33	0.0	0.0	0.0	-757.47
						355.0	-455.49	82.86	0.0	0.0	0.0	-667.90
13	8	-922.70	0.0	-4.66e-04	-197.70	0.0	-736.66	304.85	0.0	0.0	0.0	-1616.26
		-1616.26	0.0	0.0	0.0	88.8	-691.73	243.47	0.0	0.0	0.0	-1373.54
						177.5	-646.80	190.06	0.0	0.0	0.0	-1181.75
						266.3	-601.87	144.62	0.0	0.0	0.0	-1033.83
						355.0	-556.94	107.15	0.0	0.0	0.0	-922.70
13	9	-309.71	0.0	-6.22e-04	-220.71	0.0	-425.69	317.93	0.0	0.0	0.0	-1018.65
		-1018.65	0.0	0.0	0.0	88.8	-392.40	253.89	0.0	0.0	0.0	-765.34
						177.5	-359.12	195.76	0.0	0.0	0.0	-566.24
						266.3	-325.84	143.54	0.0	0.0	0.0	-416.11
						355.0	-292.56	97.22	0.0	0.0	0.0	-309.71
13	10	-645.84	0.0	7.91e-04	-214.05	0.0	-688.06	302.95	0.0	0.0	0.0	-1323.10
		-1323.10	0.0	0.0	0.0	88.8	-654.78	243.65	0.0	0.0	0.0	-1080.83
						177.5	-621.50	188.21	0.0	0.0	0.0	-889.48
						266.3	-588.21	136.62	0.0	0.0	0.0	-745.63
						355.0	-554.93	88.89	0.0	0.0	0.0	-645.84
13	11	-779.25	0.0	8.59e-04	-146.44	0.0	-605.39	160.10	0.0	0.0	0.0	-1059.71
		-1059.71	0.0	0.0	0.0	88.8	-572.10	114.63	0.0	0.0	0.0	-938.24
						177.5	-538.82	75.07	0.0	0.0	0.0	-854.50
						266.3	-505.54	41.41	0.0	0.0	0.0	-803.25
						355.0	-472.26	13.66	0.0	0.0	0.0	-779.25
13	12	-500.05	0.0	7.36e-04	-146.44	0.0	-513.07	161.57	0.0	0.0	0.0	-785.74
		-785.74	0.0	0.0	0.0	88.8	-479.79	116.10	0.0	0.0	0.0	-662.96
						177.5	-446.51	76.54	0.0	0.0	0.0	-577.91

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							266.3	-413.22	42.88	0.0	0.0	0.0	-525.36
							355.0	-379.94	15.13	0.0	0.0	0.0	-500.05
13	13	-829.48	0.0	4.18e-04	-146.44	0.0	-649.66	186.26	0.0	0.0	0.0	-1202.82	
		-1202.82	0.0	0.0	0.0	88.8	-616.38	140.79	0.0	0.0	0.0	-1058.12	
							177.5	-583.10	101.23	0.0	0.0	0.0	-951.16
							266.3	-549.82	67.57	0.0	0.0	0.0	-876.70
							355.0	-516.54	39.82	0.0	0.0	0.0	-829.48
13	14	-586.16	0.0	6.97e-04	-197.15	0.0	-626.07	275.73	0.0	0.0	0.0	-1194.39	
		-1194.39	0.0	0.0	0.0	88.8	-592.79	219.89	0.0	0.0	0.0	-974.78	
							177.5	-559.51	168.42	0.0	0.0	0.0	-802.79
							266.3	-526.22	121.32	0.0	0.0	0.0	-674.54
							355.0	-492.94	78.58	0.0	0.0	0.0	-586.16
13	15	-687.76	0.0	7.19e-04	-146.44	0.0	-563.87	169.75	0.0	0.0	0.0	-1002.49	
		-1002.49	0.0	0.0	0.0	88.8	-530.59	124.28	0.0	0.0	0.0	-872.45	
							177.5	-497.30	84.72	0.0	0.0	0.0	-780.14
							266.3	-464.02	51.06	0.0	0.0	0.0	-720.33
							355.0	-430.74	23.31	0.0	0.0	0.0	-687.76
13	16	-476.82	0.0	6.56e-04	-146.44	0.0	-494.83	169.70	0.0	0.0	0.0	-791.37	
		-791.37	0.0	0.0	0.0	88.8	-461.54	124.23	0.0	0.0	0.0	-661.37	
							177.5	-428.26	84.67	0.0	0.0	0.0	-569.11
							266.3	-394.98	51.01	0.0	0.0	0.0	-509.34
							355.0	-361.70	23.26	0.0	0.0	0.0	-476.82
13	17	-725.43	0.0	3.88e-04	-146.44	0.0	-597.07	189.37	0.0	0.0	0.0	-1109.82	
		-1109.82	0.0	0.0	0.0	88.8	-563.79	143.90	0.0	0.0	0.0	-962.36	
							177.5	-530.51	104.34	0.0	0.0	0.0	-852.64
							266.3	-497.23	70.68	0.0	0.0	0.0	-775.41
							355.0	-463.95	42.93	0.0	0.0	0.0	-725.43
13	18	-393.75	0.0	6.00e-04	-146.44	0.0	-440.88	186.96	0.0	0.0	0.0	-769.55	
		-769.55	0.0	0.0	0.0	88.8	-407.60	141.49	0.0	0.0	0.0	-624.24	
							177.5	-374.32	101.92	0.0	0.0	0.0	-516.67
							266.3	-341.04	68.26	0.0	0.0	0.0	-441.58
							355.0	-307.75	40.51	0.0	0.0	0.0	-393.75
14	1	-1961.33	0.0	-2.43e-04	-36.32	0.0	-966.56	483.31	0.0	0.0	0.0	-2135.73	
		-2135.73	0.0	0.0	0.0	9.4	-961.81	474.14	0.0	0.0	0.0	-2090.85	
							18.8	-957.07	465.03	0.0	0.0	0.0	-2046.83
							28.1	-952.32	455.98	0.0	0.0	0.0	-2003.66
							37.5	-947.58	446.99	0.0	0.0	0.0	-1961.33
14	2	-1518.73	0.0	2.40e-04	-29.76	0.0	-855.39	274.30	0.0	0.0	0.0	-1615.97	
		-1615.97	0.0	0.0	0.0	9.4	-850.64	266.73	0.0	0.0	0.0	-1590.61	
							18.8	-845.90	259.25	0.0	0.0	0.0	-1565.95
							28.1	-841.15	251.85	0.0	0.0	0.0	-1542.00
							37.5	-836.40	244.55	0.0	0.0	0.0	-1518.73
14	3	-1162.98	0.0	1.82e-04	-29.76	0.0	-730.33	278.83	0.0	0.0	0.0	-1261.92	
		-1261.92	0.0	0.0	0.0	9.4	-725.58	271.26	0.0	0.0	0.0	-1236.13	
							18.8	-720.83	263.77	0.0	0.0	0.0	-1211.06
							28.1	-716.09	256.38	0.0	0.0	0.0	-1186.67
							37.5	-711.34	249.07	0.0	0.0	0.0	-1162.98
14	4	-1725.16	0.0	1.89e-04	-29.76	0.0	-915.16	309.62	0.0	0.0	0.0	-1835.65	
		-1835.65	0.0	0.0	0.0	9.4	-910.41	302.05	0.0	0.0	0.0	-1806.97	
							18.8	-905.67	294.56	0.0	0.0	0.0	-1779.01
							28.1	-900.92	287.17	0.0	0.0	0.0	-1751.74
							37.5	-896.17	279.86	0.0	0.0	0.0	-1725.16
14	5	-1829.24	0.0	-1.25e-04	-33.40	0.0	-804.42	452.25	0.0	0.0	0.0	-1992.53	
		-1992.53	0.0	0.0	0.0	9.4	-799.67	443.79	0.0	0.0	0.0	-1950.53	
							18.8	-794.92	435.41	0.0	0.0	0.0	-1909.32
							28.1	-790.18	427.09	0.0	0.0	0.0	-1868.89
							37.5	-785.43	418.85	0.0	0.0	0.0	-1829.24
14	6	-1621.17	0.0	-1.07e-04	-29.76	0.0	-741.42	343.32	0.0	0.0	0.0	-1744.29	
		-1744.29	0.0	0.0	0.0	9.4	-736.68	335.75	0.0	0.0	0.0	-1712.46	
							18.8	-731.93	328.26	0.0	0.0	0.0	-1681.33
							28.1	-727.19	320.87	0.0	0.0	0.0	-1650.90
							37.5	-722.44	313.56	0.0	0.0	0.0	-1621.17
14	7	-1385.71	0.0	-9.08e-05	-29.76	0.0	-673.17	338.65	0.0	0.0	0.0	-1507.08	
		-1507.08	0.0	0.0	0.0	9.4	-668.43	331.08	0.0	0.0	0.0	-1475.69	
							18.8	-663.68	323.59	0.0	0.0	0.0	-1445.00
							28.1	-658.94	316.20	0.0	0.0	0.0	-1415.01
							37.5	-654.19	308.89	0.0	0.0	0.0	-1385.71
14	8	-1735.85	0.0	-7.87e-05	-29.76	0.0	-774.63	362.94	0.0	0.0	0.0	-1866.33	
		-1866.33	0.0	0.0	0.0	9.4	-769.88	355.37	0.0	0.0	0.0	-1832.66	
							18.8	-765.14	347.88	0.0	0.0	0.0	-1799.69
							28.1	-760.39	340.49	0.0	0.0	0.0	-1767.43
							37.5	-755.65	333.18	0.0	0.0	0.0	-1735.85
14	9	-1143.67	0.0	-6.13e-06	-29.89	0.0	-453.81	377.90	0.0	0.0	0.0	-1279.75	
		-1279.75	0.0	0.0	0.0	9.4	-450.30	370.33	0.0	0.0	0.0	-1244.68	

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3		
							18.8	-446.78	362.83	0.0	0.0	0.0	-1210.31	
							28.1	-443.26	355.39	0.0	0.0	0.0	-1176.64	
							37.5	-439.75	348.02	0.0	0.0	0.0	-1143.67	
14	10	-1441.60	0.0	-1.85e-04	-26.90	0.0	-716.18	356.07	0.0	0.0	0.0	0.0	-1570.06	
		-1570.06	0.0	0.0	0.0	9.4	-712.67	349.28	0.0	0.0	0.0	0.0	-1537.00	
							18.8	-709.15	342.53	0.0	0.0	0.0	0.0	-1504.57
							28.1	-705.64	335.83	0.0	0.0	0.0	0.0	-1472.77
							37.5	-702.12	329.16	0.0	0.0	0.0	0.0	-1441.60
14	11	-1123.65	0.0	1.78e-04	-22.04	0.0	-633.51	203.13	0.0	0.0	0.0	0.0	-1195.66	
		-1195.66	0.0	0.0	0.0	9.4	-630.00	197.52	0.0	0.0	0.0	0.0	-1176.88	
							18.8	-626.48	191.98	0.0	0.0	0.0	0.0	-1158.62
							28.1	-622.96	186.50	0.0	0.0	0.0	0.0	-1140.88
							37.5	-619.45	181.09	0.0	0.0	0.0	0.0	-1123.65
14	12	-850.23	0.0	1.39e-04	-22.04	0.0	-541.19	204.60	0.0	0.0	0.0	0.0	-922.79	
		-922.79	0.0	0.0	0.0	9.4	-537.68	198.99	0.0	0.0	0.0	0.0	-903.87	
							18.8	-534.16	193.45	0.0	0.0	0.0	0.0	-885.48
							28.1	-530.65	187.97	0.0	0.0	0.0	0.0	-867.60
							37.5	-527.13	182.56	0.0	0.0	0.0	0.0	-850.23
14	13	-1276.57	0.0	1.41e-04	-22.04	0.0	-677.79	229.29	0.0	0.0	0.0	0.0	-1358.38	
		-1358.38	0.0	0.0	0.0	9.4	-674.27	223.68	0.0	0.0	0.0	0.0	-1337.15	
							18.8	-670.75	218.14	0.0	0.0	0.0	0.0	-1316.44
							28.1	-667.24	212.66	0.0	0.0	0.0	0.0	-1296.25
							37.5	-663.72	207.25	0.0	0.0	0.0	0.0	-1276.57
14	14	-1302.43	0.0	-1.65e-04	-25.69	0.0	-654.19	326.33	0.0	0.0	0.0	0.0	-1419.97	
		-1419.97	0.0	0.0	0.0	9.4	-650.68	319.84	0.0	0.0	0.0	0.0	-1389.68	
							18.8	-647.16	313.39	0.0	0.0	0.0	0.0	-1360.00
							28.1	-643.65	306.99	0.0	0.0	0.0	0.0	-1330.92
							37.5	-640.13	300.64	0.0	0.0	0.0	0.0	-1302.43
14	15	-1070.05	0.0	1.57e-04	-22.04	0.0	-591.99	212.78	0.0	0.0	0.0	0.0	-1145.68	
		-1145.68	0.0	0.0	0.0	9.4	-588.48	207.17	0.0	0.0	0.0	0.0	-1125.99	
							18.8	-584.96	201.63	0.0	0.0	0.0	0.0	-1106.83
							28.1	-581.44	196.15	0.0	0.0	0.0	0.0	-1088.19
							37.5	-577.93	190.74	0.0	0.0	0.0	0.0	-1070.05
14	16	-858.91	0.0	1.31e-04	-22.04	0.0	-522.95	212.73	0.0	0.0	0.0	0.0	-934.51	
		-934.51	0.0	0.0	0.0	9.4	-519.44	207.12	0.0	0.0	0.0	0.0	-914.83	
							18.8	-515.92	201.58	0.0	0.0	0.0	0.0	-895.68
							28.1	-512.40	196.10	0.0	0.0	0.0	0.0	-877.04
							37.5	-508.89	190.69	0.0	0.0	0.0	0.0	-858.91
14	17	-1184.73	0.0	1.29e-04	-22.04	0.0	-625.20	232.40	0.0	0.0	0.0	0.0	-1267.72	
		-1267.72	0.0	0.0	0.0	9.4	-621.68	226.79	0.0	0.0	0.0	0.0	-1246.20	
							18.8	-618.17	221.25	0.0	0.0	0.0	0.0	-1225.19
							28.1	-614.65	215.77	0.0	0.0	0.0	0.0	-1204.71
							37.5	-611.14	210.36	0.0	0.0	0.0	0.0	-1184.73
14	18	-843.56	0.0	1.22e-04	-22.04	0.0	-469.00	229.98	0.0	0.0	0.0	0.0	-925.64	
		-925.64	0.0	0.0	0.0	9.4	-465.49	224.38	0.0	0.0	0.0	0.0	-904.34	
							18.8	-461.97	218.83	0.0	0.0	0.0	0.0	-883.57
							28.1	-458.46	213.35	0.0	0.0	0.0	0.0	-863.31
							37.5	-454.94	207.94	0.0	0.0	0.0	0.0	-843.56
23	1	313.36	0.0	-2.61e-05	0.0	0.0	-736.99	43.33	0.0	0.0	0.0	0.0	304.70	
		304.70	0.0	0.0	0.0	5.0	-734.80	43.33	0.0	0.0	0.0	0.0	306.86	
							10.0	-732.61	43.33	0.0	0.0	0.0	0.0	309.03
							15.0	-730.41	43.33	0.0	0.0	0.0	0.0	311.20
							20.0	-728.22	43.33	0.0	0.0	0.0	0.0	313.36
23	2	542.41	0.0	8.35e-05	0.0	0.0	-860.52	42.54	0.0	0.0	0.0	0.0	533.91	
		533.91	0.0	0.0	0.0	5.0	-858.33	42.54	0.0	0.0	0.0	0.0	536.03	
							10.0	-856.13	42.54	0.0	0.0	0.0	0.0	538.16
							15.0	-853.94	42.54	0.0	0.0	0.0	0.0	540.29
							20.0	-851.75	42.54	0.0	0.0	0.0	0.0	542.41
23	3	152.31	0.0	2.40e-05	0.0	0.0	-965.30	-8.49	0.0	0.0	0.0	0.0	152.31	
		150.61	0.0	0.0	0.0	5.0	-963.11	-8.49	0.0	0.0	0.0	0.0	151.88	
							10.0	-960.91	-8.49	0.0	0.0	0.0	0.0	151.46
							15.0	-958.72	-8.49	0.0	0.0	0.0	0.0	151.04
							20.0	-956.53	-8.49	0.0	0.0	0.0	0.0	150.61
23	4	335.93	0.0	2.99e-05	0.0	0.0	-1104.13	24.96	0.0	0.0	0.0	0.0	330.94	
		330.94	0.0	0.0	0.0	5.0	-1101.94	24.96	0.0	0.0	0.0	0.0	332.19	
							10.0	-1099.75	24.96	0.0	0.0	0.0	0.0	333.44
							15.0	-1097.55	24.96	0.0	0.0	0.0	0.0	334.68
							20.0	-1095.36	24.96	0.0	0.0	0.0	0.0	335.93
23	5	410.98	0.0	-3.46e-05	0.0	0.0	-645.11	106.07	0.0	0.0	0.0	0.0	389.77	
		389.77	0.0	0.0	0.0	5.0	-642.92	106.07	0.0	0.0	0.0	0.0	395.07	
							10.0	-640.72	106.07	0.0	0.0	0.0	0.0	400.37
							15.0	-638.53	106.07	0.0	0.0	0.0	0.0	405.68
							20.0	-636.34	106.07	0.0	0.0	0.0	0.0	410.98
23	6	545.99	0.0	0.0	0.0	0.0	-715.12	105.56	0.0	0.0	0.0	0.0	524.88	



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		524.88	0.0	0.0	0.0	5.0	-712.92	105.56	0.0	0.0	0.0	530.16
						10.0	-710.73	105.56	0.0	0.0	0.0	535.43
						15.0	-708.53	105.56	0.0	0.0	0.0	540.71
						20.0	-706.34	105.56	0.0	0.0	0.0	545.99
23	7	320.56	0.0	-3.58e-05	0.0	0.0	-771.95	77.28	0.0	0.0	0.0	305.11
		305.11	0.0	0.0	0.0	5.0	-769.76	77.28	0.0	0.0	0.0	308.97
						10.0	-767.56	77.28	0.0	0.0	0.0	312.83
						15.0	-765.37	77.28	0.0	0.0	0.0	316.70
						20.0	-763.17	77.28	0.0	0.0	0.0	320.56
23	8	431.28	0.0	-2.99e-05	0.0	0.0	-850.46	95.79	0.0	0.0	0.0	412.12
		412.12	0.0	0.0	0.0	5.0	-848.26	95.79	0.0	0.0	0.0	416.91
						10.0	-846.07	95.79	0.0	0.0	0.0	421.70
						15.0	-843.87	95.79	0.0	0.0	0.0	426.49
						20.0	-841.68	95.79	0.0	0.0	0.0	431.28
23	9	302.09	0.0	-5.74e-05	0.0	0.0	-392.12	85.82	0.0	0.0	0.0	284.92
		284.92	0.0	0.0	0.0	5.0	-390.49	85.82	0.0	0.0	0.0	289.21
						10.0	-388.87	85.82	0.0	0.0	0.0	293.50
						15.0	-387.24	85.82	0.0	0.0	0.0	297.79
						20.0	-385.62	85.82	0.0	0.0	0.0	302.09
23	10	232.27	0.0	-1.91e-05	0.0	0.0	-545.43	32.20	0.0	0.0	0.0	225.83
		225.83	0.0	0.0	0.0	5.0	-543.80	32.20	0.0	0.0	0.0	227.44
						10.0	-542.18	32.20	0.0	0.0	0.0	229.05
						15.0	-540.55	32.20	0.0	0.0	0.0	230.66
						20.0	-538.93	32.20	0.0	0.0	0.0	232.27
23	11	403.97	0.0	6.23e-05	0.0	0.0	-637.29	31.59	0.0	0.0	0.0	397.65
		397.65	0.0	0.0	0.0	5.0	-635.67	31.59	0.0	0.0	0.0	399.23
						10.0	-634.04	31.59	0.0	0.0	0.0	400.81
						15.0	-632.42	31.59	0.0	0.0	0.0	402.39
						20.0	-630.79	31.59	0.0	0.0	0.0	403.97
23	12	112.95	0.0	1.76e-05	0.0	0.0	-714.55	-6.19	0.0	0.0	0.0	112.95
		111.71	0.0	0.0	0.0	5.0	-712.92	-6.19	0.0	0.0	0.0	112.64
						10.0	-711.30	-6.19	0.0	0.0	0.0	112.33
						15.0	-709.67	-6.19	0.0	0.0	0.0	112.02
						20.0	-708.05	-6.19	0.0	0.0	0.0	111.71
23	13	251.02	0.0	2.26e-05	0.0	0.0	-817.74	18.57	0.0	0.0	0.0	247.30
		247.30	0.0	0.0	0.0	5.0	-816.12	18.57	0.0	0.0	0.0	248.23
						10.0	-814.49	18.57	0.0	0.0	0.0	249.16
						15.0	-812.87	18.57	0.0	0.0	0.0	250.09
						20.0	-811.24	18.57	0.0	0.0	0.0	251.02
23	14	192.31	0.0	-1.78e-05	0.0	0.0	-508.84	21.85	0.0	0.0	0.0	187.94
		187.94	0.0	0.0	0.0	5.0	-507.22	21.85	0.0	0.0	0.0	189.03
						10.0	-505.59	21.85	0.0	0.0	0.0	190.12
						15.0	-503.97	21.85	0.0	0.0	0.0	191.21
						20.0	-502.34	21.85	0.0	0.0	0.0	192.31
23	15	322.33	0.0	5.06e-05	0.0	0.0	-577.96	21.38	0.0	0.0	0.0	318.05
		318.05	0.0	0.0	0.0	5.0	-576.33	21.38	0.0	0.0	0.0	319.12
						10.0	-574.71	21.38	0.0	0.0	0.0	320.19
						15.0	-573.08	21.38	0.0	0.0	0.0	321.26
						20.0	-571.46	21.38	0.0	0.0	0.0	322.33
23	16	103.28	0.0	1.66e-05	0.0	0.0	-635.68	-6.94	0.0	0.0	0.0	103.28
		101.89	0.0	0.0	0.0	5.0	-634.05	-6.94	0.0	0.0	0.0	102.93
						10.0	-632.43	-6.94	0.0	0.0	0.0	102.58
						15.0	-630.80	-6.94	0.0	0.0	0.0	102.24
						20.0	-629.18	-6.94	0.0	0.0	0.0	101.89
23	17	207.62	0.0	2.08e-05	0.0	0.0	-713.30	11.61	0.0	0.0	0.0	205.29
		205.29	0.0	0.0	0.0	5.0	-711.67	11.61	0.0	0.0	0.0	205.87
						10.0	-710.05	11.61	0.0	0.0	0.0	206.45
						15.0	-708.42	11.61	0.0	0.0	0.0	207.03
						20.0	-706.80	11.61	0.0	0.0	0.0	207.62
23	18	74.73	0.0	1.29e-05	0.0	0.0	-397.26	-8.84	0.0	0.0	0.0	74.73
		72.96	0.0	0.0	0.0	5.0	-395.64	-8.84	0.0	0.0	0.0	74.29
						10.0	-394.01	-8.84	0.0	0.0	0.0	73.85
						15.0	-392.39	-8.84	0.0	0.0	0.0	73.40
						20.0	-390.76	-8.84	0.0	0.0	0.0	72.96
24	1	170.36	0.0	-9.95e-05	0.0	0.0	-1028.76	43.33	0.0	0.0	0.0	16.53
		16.53	0.0	0.0	0.0	88.8	-989.82	43.33	0.0	0.0	0.0	54.99
						177.5	-950.89	43.33	0.0	0.0	0.0	93.45
						266.3	-911.95	43.33	0.0	0.0	0.0	131.91
						355.0	-873.01	43.33	0.0	0.0	0.0	170.36
24	2	402.02	0.0	2.58e-04	0.0	0.0	-1152.29	42.54	0.0	0.0	0.0	250.99
		250.99	0.0	0.0	0.0	88.8	-1113.35	42.54	0.0	0.0	0.0	288.75
						177.5	-1074.41	42.54	0.0	0.0	0.0	326.51
						266.3	-1035.47	42.54	0.0	0.0	0.0	364.26
						355.0	-996.53	42.54	0.0	0.0	0.0	402.02

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
24	3	208.78	0.0	7.01e-05	0.0	0.0	-1257.07	-8.49	0.0	0.0	0.0	208.78	
		178.63	0.0	0.0	0.0	88.8	-1218.13	-8.49	0.0	0.0	0.0	201.24	
							177.5	-1179.19	-8.49	0.0	0.0	0.0	193.71
							266.3	-1140.25	-8.49	0.0	0.0	0.0	186.17
							355.0	-1101.31	-8.49	0.0	0.0	0.0	178.63
24	4	253.57	0.0	2.38e-04	0.0	0.0	-1395.90	24.96	0.0	0.0	0.0	164.96	
		164.96	0.0	0.0	0.0	88.8	-1356.96	24.96	0.0	0.0	0.0	187.11	
							177.5	-1318.02	24.96	0.0	0.0	0.0	209.26
							266.3	-1279.08	24.96	0.0	0.0	0.0	231.41
							355.0	-1240.15	24.96	0.0	0.0	0.0	253.57
24	5	60.94	0.0	-9.73e-04	0.0	0.0	-936.88	106.07	0.0	0.0	0.0	-315.62	
		-315.62	0.0	0.0	0.0	88.8	-897.94	106.07	0.0	0.0	0.0	-221.48	
							177.5	-859.00	106.07	0.0	0.0	0.0	-127.34
							266.3	-820.06	106.07	0.0	0.0	0.0	-33.20
							355.0	-781.12	106.07	0.0	0.0	0.0	60.94
24	6	197.63	0.0	-7.52e-04	0.0	0.0	-1006.88	105.56	0.0	0.0	0.0	-177.11	
		-177.11	0.0	0.0	0.0	88.8	-967.95	105.56	0.0	0.0	0.0	-83.43	
							177.5	-929.01	105.56	0.0	0.0	0.0	10.26
							266.3	-890.07	105.56	0.0	0.0	0.0	103.95
							355.0	-851.13	105.56	0.0	0.0	0.0	197.63
24	7	65.54	0.0	-9.57e-04	0.0	0.0	-1063.72	77.28	0.0	0.0	0.0	-208.81	
		-208.81	0.0	0.0	0.0	88.8	-1024.78	77.28	0.0	0.0	0.0	-140.22	
							177.5	-985.84	77.28	0.0	0.0	0.0	-71.64
							266.3	-946.90	77.28	0.0	0.0	0.0	-3.05
							355.0	-907.96	77.28	0.0	0.0	0.0	65.54
24	8	115.16	0.0	-1.03e-03	0.0	0.0	-1142.22	95.79	0.0	0.0	0.0	-224.91	
		-224.91	0.0	0.0	0.0	88.8	-1103.29	95.79	0.0	0.0	0.0	-139.89	
							177.5	-1064.35	95.79	0.0	0.0	0.0	-54.87
							266.3	-1025.41	95.79	0.0	0.0	0.0	30.14
							355.0	-986.47	95.79	0.0	0.0	0.0	115.16
24	9	-6.64	0.0	-1.15e-03	0.0	0.0	-608.24	103.69	0.0	0.0	0.0	-374.75	
		-374.75	0.0	0.0	0.0	88.8	-579.40	103.69	0.0	0.0	0.0	-282.73	
							177.5	-550.56	103.69	0.0	0.0	0.0	-190.70
							266.3	-521.71	103.69	0.0	0.0	0.0	-98.67
							355.0	-492.87	103.69	0.0	0.0	0.0	-6.64
24	10	126.02	0.0	-7.69e-05	0.0	0.0	-761.55	32.20	0.0	0.0	0.0	11.72	
		11.72	0.0	0.0	0.0	88.8	-732.71	32.20	0.0	0.0	0.0	40.29	
							177.5	-703.87	32.20	0.0	0.0	0.0	68.87
							266.3	-675.02	32.20	0.0	0.0	0.0	97.44
							355.0	-646.18	32.20	0.0	0.0	0.0	126.02
24	11	299.71	0.0	1.94e-04	0.0	0.0	-853.42	31.59	0.0	0.0	0.0	187.55	
		187.55	0.0	0.0	0.0	88.8	-824.57	31.59	0.0	0.0	0.0	215.59	
							177.5	-795.73	31.59	0.0	0.0	0.0	243.63
							266.3	-766.89	31.59	0.0	0.0	0.0	271.67
							355.0	-738.04	31.59	0.0	0.0	0.0	299.71
24	12	154.12	0.0	5.52e-05	0.0	0.0	-930.67	-6.19	0.0	0.0	0.0	154.12	
		132.14	0.0	0.0	0.0	88.8	-901.83	-6.19	0.0	0.0	0.0	148.63	
							177.5	-872.98	-6.19	0.0	0.0	0.0	143.13
							266.3	-844.14	-6.19	0.0	0.0	0.0	137.64
							355.0	-815.30	-6.19	0.0	0.0	0.0	132.14
24	13	189.74	0.0	1.73e-04	0.0	0.0	-1033.87	18.57	0.0	0.0	0.0	123.83	
		123.83	0.0	0.0	0.0	88.8	-1005.03	18.57	0.0	0.0	0.0	140.31	
							177.5	-976.18	18.57	0.0	0.0	0.0	156.78
							266.3	-947.34	18.57	0.0	0.0	0.0	173.26
							355.0	-918.49	18.57	0.0	0.0	0.0	189.74
24	14	120.21	0.0	-6.85e-05	0.0	0.0	-724.97	21.85	0.0	0.0	0.0	42.66	
		42.66	0.0	0.0	0.0	88.8	-696.12	21.85	0.0	0.0	0.0	62.04	
							177.5	-667.28	21.85	0.0	0.0	0.0	81.43
							266.3	-638.44	21.85	0.0	0.0	0.0	100.82
							355.0	-609.59	21.85	0.0	0.0	0.0	120.21
24	15	251.77	0.0	1.40e-04	0.0	0.0	-794.08	21.38	0.0	0.0	0.0	175.86	
		175.86	0.0	0.0	0.0	88.8	-765.24	21.38	0.0	0.0	0.0	194.83	
							177.5	-736.40	21.38	0.0	0.0	0.0	213.81
							266.3	-707.55	21.38	0.0	0.0	0.0	232.79
							355.0	-678.71	21.38	0.0	0.0	0.0	251.77
24	16	149.46	0.0	5.04e-05	0.0	0.0	-851.80	-6.94	0.0	0.0	0.0	149.46	
		124.81	0.0	0.0	0.0	88.8	-822.96	-6.94	0.0	0.0	0.0	143.30	
							177.5	-794.12	-6.94	0.0	0.0	0.0	137.13
							266.3	-765.27	-6.94	0.0	0.0	0.0	130.97
							355.0	-736.43	-6.94	0.0	0.0	0.0	124.81
24	17	169.29	0.0	1.35e-04	0.0	0.0	-929.42	11.61	0.0	0.0	0.0	128.06	
		128.06	0.0	0.0	0.0	88.8	-900.58	11.61	0.0	0.0	0.0	138.37	
							177.5	-871.74	11.61	0.0	0.0	0.0	148.68
							266.3	-842.89	11.61	0.0	0.0	0.0	158.98

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
24	18	133.53	0.0	4.82e-05	0.0	355.0	-814.05	11.61	0.0	0.0	0.0	169.29	
		102.14	0.0	0.0	0.0	0.0	-613.39	-8.84	0.0	0.0	0.0	133.53	
							88.8	-584.55	-8.84	0.0	0.0	0.0	125.68
							177.5	-555.70	-8.84	0.0	0.0	0.0	117.83
							266.3	-526.86	-8.84	0.0	0.0	0.0	109.99
25	1	0.28	0.0	-1.79e-05	0.0	355.0	-498.01	-8.84	0.0	0.0	0.0	102.14	
		-15.97	0.0	0.0	0.0	0.0	-1061.67	43.33	0.0	0.0	0.0	-15.97	
							9.4	-1057.56	43.33	0.0	0.0	0.0	-11.91
							18.8	-1053.44	43.33	0.0	0.0	0.0	-7.84
							28.1	-1049.33	43.33	0.0	0.0	0.0	-3.78
25	2	235.04	0.0	1.33e-05	0.0	0.0	-1185.20	42.54	0.0	0.0	0.0	219.08	
		219.08	0.0	0.0	0.0	9.4	-1181.08	42.54	0.0	0.0	0.0	223.07	
						18.8	-1176.97	42.54	0.0	0.0	0.0	227.06	
						28.1	-1172.86	42.54	0.0	0.0	0.0	231.05	
						37.5	-1168.74	42.54	0.0	0.0	0.0	235.04	
25	3	215.15	0.0	3.60e-05	0.0	0.0	-1289.98	-8.49	0.0	0.0	0.0	215.15	
		211.96	0.0	0.0	0.0	9.4	-1285.86	-8.49	0.0	0.0	0.0	214.35	
						18.8	-1281.75	-8.49	0.0	0.0	0.0	213.55	
						28.1	-1277.64	-8.49	0.0	0.0	0.0	212.76	
						37.5	-1273.52	-8.49	0.0	0.0	0.0	211.96	
25	4	155.60	0.0	5.15e-05	0.0	0.0	-1428.81	24.96	0.0	0.0	0.0	146.24	
		146.24	0.0	0.0	0.0	9.4	-1424.69	24.96	0.0	0.0	0.0	148.58	
						18.8	-1420.58	24.96	0.0	0.0	0.0	150.92	
						28.1	-1416.47	24.96	0.0	0.0	0.0	153.26	
						37.5	-1412.36	24.96	0.0	0.0	0.0	155.60	
25	5	-355.39	0.0	-7.05e-05	0.0	0.0	-969.79	106.07	0.0	0.0	0.0	-395.17	
		-395.17	0.0	0.0	0.0	9.4	-965.67	106.07	0.0	0.0	0.0	-385.22	
						18.8	-961.56	106.07	0.0	0.0	0.0	-375.28	
						28.1	-957.45	106.07	0.0	0.0	0.0	-365.34	
						37.5	-953.33	106.07	0.0	0.0	0.0	-355.39	
25	6	-216.70	0.0	-6.67e-05	0.0	0.0	-1039.79	105.56	0.0	0.0	0.0	-256.28	
		-256.28	0.0	0.0	0.0	9.4	-1035.68	105.56	0.0	0.0	0.0	-246.39	
						18.8	-1031.56	105.56	0.0	0.0	0.0	-236.49	
						28.1	-1027.45	105.56	0.0	0.0	0.0	-226.60	
						37.5	-1023.34	105.56	0.0	0.0	0.0	-216.70	
25	7	-237.79	0.0	-8.06e-05	0.0	0.0	-1096.62	77.28	0.0	0.0	0.0	-266.77	
		-266.77	0.0	0.0	0.0	9.4	-1092.51	77.28	0.0	0.0	0.0	-259.53	
						18.8	-1088.40	77.28	0.0	0.0	0.0	-252.28	
						28.1	-1084.28	77.28	0.0	0.0	0.0	-245.04	
						37.5	-1080.17	77.28	0.0	0.0	0.0	-237.79	
25	8	-260.83	0.0	-8.78e-05	0.0	0.0	-1175.13	95.79	0.0	0.0	0.0	-296.75	
		-296.75	0.0	0.0	0.0	9.4	-1171.02	95.79	0.0	0.0	0.0	-287.77	
						18.8	-1166.90	95.79	0.0	0.0	0.0	-278.79	
						28.1	-1162.79	95.79	0.0	0.0	0.0	-269.81	
						37.5	-1158.68	95.79	0.0	0.0	0.0	-260.83	
25	9	-414.01	0.0	-8.10e-05	0.0	0.0	-632.62	104.78	0.0	0.0	0.0	-453.30	
		-453.30	0.0	0.0	0.0	9.4	-629.57	104.78	0.0	0.0	0.0	-443.48	
						18.8	-626.52	104.78	0.0	0.0	0.0	-433.66	
						28.1	-623.48	104.78	0.0	0.0	0.0	-423.83	
						37.5	-620.43	104.78	0.0	0.0	0.0	-414.01	
25	10	-0.35	0.0	-1.36e-05	0.0	0.0	-785.93	32.20	0.0	0.0	0.0	-12.43	
		-12.43	0.0	0.0	0.0	9.4	-782.88	32.20	0.0	0.0	0.0	-9.41	
						18.8	-779.84	32.20	0.0	0.0	0.0	-6.39	
						28.1	-776.79	32.20	0.0	0.0	0.0	-3.37	
						37.5	-773.74	32.20	0.0	0.0	0.0	-0.35	
25	11	175.71	0.0	9.84e-06	0.0	0.0	-877.79	31.59	0.0	0.0	0.0	163.86	
		163.86	0.0	0.0	0.0	9.4	-874.74	31.59	0.0	0.0	0.0	166.82	
						18.8	-871.70	31.59	0.0	0.0	0.0	169.78	
						28.1	-868.65	31.59	0.0	0.0	0.0	172.74	
						37.5	-865.60	31.59	0.0	0.0	0.0	175.71	
25	12	158.77	0.0	2.70e-05	0.0	0.0	-955.05	-6.19	0.0	0.0	0.0	158.77	
		156.45	0.0	0.0	0.0	9.4	-952.00	-6.19	0.0	0.0	0.0	158.19	
						18.8	-948.95	-6.19	0.0	0.0	0.0	157.61	
						28.1	-945.90	-6.19	0.0	0.0	0.0	157.03	
						37.5	-942.86	-6.19	0.0	0.0	0.0	156.45	
25	13	116.86	0.0	3.81e-05	0.0	0.0	-1058.24	18.57	0.0	0.0	0.0	109.90	
		109.90	0.0	0.0	0.0	9.4	-1055.20	18.57	0.0	0.0	0.0	111.64	
						18.8	-1052.15	18.57	0.0	0.0	0.0	113.38	
						28.1	-1049.10	18.57	0.0	0.0	0.0	115.12	
						37.5	-1046.06	18.57	0.0	0.0	0.0	116.86	
25	14	34.46	0.0	-1.57e-05	0.0	0.0	-749.34	21.85	0.0	0.0	0.0	26.27	
		26.27	0.0	0.0	0.0	9.4	-746.29	21.85	0.0	0.0	0.0	28.32	
						18.8	-743.25	21.85	0.0	0.0	0.0	30.37	

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							28.1	-740.20	21.85	0.0	0.0	32.42
							37.5	-737.15	21.85	0.0	0.0	34.46
25	15	167.84	0.0	1.27e-05	0.0	0.0	818.46	21.38	0.0	0.0	0.0	159.82
		159.82	0.0	0.0	0.0	9.4	-815.41	21.38	0.0	0.0	0.0	161.82
							18.8	-812.37	21.38	0.0	0.0	163.83
							28.1	-809.32	21.38	0.0	0.0	165.83
							37.5	-806.27	21.38	0.0	0.0	167.84
25	16	154.67	0.0	2.57e-05	0.0	0.0	-876.18	-6.94	0.0	0.0	0.0	154.67
		152.06	0.0	0.0	0.0	9.4	-873.13	-6.94	0.0	0.0	0.0	154.02
							18.8	-870.08	-6.94	0.0	0.0	153.37
							28.1	-867.04	-6.94	0.0	0.0	152.71
							37.5	-863.99	-6.94	0.0	0.0	152.06
25	17	123.71	0.0	3.38e-05	0.0	0.0	-953.80	11.61	0.0	0.0	0.0	119.35
		119.35	0.0	0.0	0.0	9.4	-950.75	11.61	0.0	0.0	0.0	120.44
							18.8	-947.71	11.61	0.0	0.0	121.53
							28.1	-944.66	11.61	0.0	0.0	122.62
							37.5	-941.61	11.61	0.0	0.0	123.71
25	18	140.16	0.0	2.30e-05	0.0	0.0	-637.76	-8.84	0.0	0.0	0.0	140.16
		136.85	0.0	0.0	0.0	9.4	-634.72	-8.84	0.0	0.0	0.0	139.33
							18.8	-631.67	-8.84	0.0	0.0	138.50
							28.1	-628.62	-8.84	0.0	0.0	137.67
							37.5	-625.58	-8.84	0.0	0.0	136.85
37	1	-761.94	0.0	1.76e-04	-184.19	0.0	-748.87	122.62	0.0	0.0	0.0	-876.78
		-876.78	0.0	0.0	0.0	77.5	-709.64	70.62	0.0	0.0	0.0	-802.15
							155.0	-670.40	22.59	0.0	0.0	-766.29
							232.5	-631.17	-21.47	0.0	0.0	-766.12
							310.0	-591.94	-61.56	0.0	0.0	-798.55
37	2	-1049.05	0.0	2.26e-04	-68.30	0.0	-637.70	18.51	0.0	0.0	0.0	-1053.49
		-1127.10	0.0	0.0	0.0	77.5	-598.47	-7.68	0.0	0.0	0.0	-1049.68
							155.0	-559.23	-27.80	0.0	0.0	-1063.82
							232.5	-520.00	-41.84	0.0	0.0	-1091.20
							310.0	-480.76	-49.79	0.0	0.0	-1127.10
37	3	-672.66	0.0	1.11e-04	-68.30	0.0	-512.64	23.04	0.0	0.0	0.0	-679.97
		-739.55	0.0	0.0	0.0	77.5	-473.40	-3.16	0.0	0.0	0.0	-672.66
							155.0	-434.17	-23.27	0.0	0.0	-683.29
							232.5	-394.93	-37.31	0.0	0.0	-707.16
							310.0	-355.70	-45.26	0.0	0.0	-739.55
37	4	-1075.53	0.0	7.78e-04	-68.30	0.0	-697.47	53.83	0.0	0.0	0.0	-1121.30
		-1121.30	0.0	0.0	0.0	77.5	-658.24	27.63	0.0	0.0	0.0	-1090.12
							155.0	-619.00	7.52	0.0	0.0	-1076.89
							232.5	-579.77	-6.52	0.0	0.0	-1076.90
							310.0	-540.53	-14.47	0.0	0.0	-1085.42
37	5	-574.81	0.0	-9.20e-04	-132.68	0.0	-586.73	138.19	0.0	0.0	0.0	-777.24
		-777.24	0.0	0.0	0.0	77.5	-547.49	97.65	0.0	0.0	0.0	-686.17
							155.0	-508.26	62.03	0.0	0.0	-624.61
							232.5	-469.03	31.31	0.0	0.0	-588.76
							310.0	-429.79	5.50	0.0	0.0	-574.81
37	6	-744.68	0.0	-1.10e-03	-68.30	0.0	-523.74	87.53	0.0	0.0	0.0	-885.03
		-885.03	0.0	0.0	0.0	77.5	-484.50	61.33	0.0	0.0	0.0	-827.73
							155.0	-445.27	41.22	0.0	0.0	-788.39
							232.5	-406.03	27.18	0.0	0.0	-762.28
							310.0	-366.80	19.23	0.0	0.0	-744.68
37	7	-542.03	0.0	-8.20e-04	-68.30	0.0	-455.49	82.86	0.0	0.0	0.0	-667.90
		-667.90	0.0	0.0	0.0	77.5	-416.25	56.67	0.0	0.0	0.0	-614.22
							155.0	-377.02	36.55	0.0	0.0	-578.50
							232.5	-337.78	22.51	0.0	0.0	-556.00
							310.0	-298.55	14.56	0.0	0.0	-542.03
37	8	-721.53	0.0	-1.45e-03	-68.30	0.0	-556.94	107.15	0.0	0.0	0.0	-922.70
		-922.70	0.0	0.0	0.0	77.5	-517.71	80.96	0.0	0.0	0.0	-850.20
							155.0	-478.47	60.84	0.0	0.0	-795.65
							232.5	-439.24	46.80	0.0	0.0	-754.33
							310.0	-400.01	38.85	0.0	0.0	-721.53
37	9	-225.52	0.0	-9.23e-04	-115.45	0.0	-292.56	86.10	0.0	0.0	0.0	-309.71
		-309.71	0.0	0.0	0.0	77.5	-263.50	50.48	0.0	0.0	0.0	-257.08
							155.0	-234.44	19.37	0.0	0.0	-230.30
							232.5	-205.37	-7.24	0.0	0.0	-225.90
							310.0	-176.31	-29.35	0.0	0.0	-240.37
37	10	-564.53	0.0	1.00e-04	-136.43	0.0	-554.93	88.89	0.0	0.0	0.0	-645.84
		-645.84	0.0	0.0	0.0	77.5	-525.87	50.37	0.0	0.0	0.0	-592.06
							155.0	-496.81	14.79	0.0	0.0	-567.00
							232.5	-467.75	-17.84	0.0	0.0	-568.37
							310.0	-438.68	-47.54	0.0	0.0	-593.90
37	11	-775.99	0.0	1.64e-04	-50.60	0.0	-472.26	13.66	0.0	0.0	0.0	-779.25
		-833.96	0.0	0.0	0.0	77.5	-443.20	-5.75	0.0	0.0	0.0	-776.48

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							155.0	-414.14	-20.65	0.0	0.0	-787.00
							232.5	-385.07	-31.05	0.0	0.0	-807.32
							310.0	-356.01	-36.94	0.0	0.0	-833.96
37	12	-496.14	0.0	1.13e-04	-50.60	0.0	-379.94	15.13	0.0	0.0	0.0	-500.05
		-550.19	0.0	0.0	0.0	77.5	-350.88	-4.28	0.0	0.0	0.0	-496.14
							155.0	-321.82	-19.18	0.0	0.0	-505.52
							232.5	-292.76	-29.57	0.0	0.0	-524.70
							310.0	-263.69	-35.47	0.0	0.0	-550.19
37	13	-795.69	0.0	5.72e-04	-50.60	0.0	-516.54	39.82	0.0	0.0	0.0	-829.48
		-829.48	0.0	0.0	0.0	77.5	-487.47	20.41	0.0	0.0	0.0	-806.43
							155.0	-458.41	5.51	0.0	0.0	-796.68
							232.5	-429.35	-4.88	0.0	0.0	-796.72
							310.0	-400.29	-10.78	0.0	0.0	-803.09
37	14	-512.93	0.0	1.02e-04	-114.97	0.0	-492.94	78.58	0.0	0.0	0.0	-586.16
		-586.16	0.0	0.0	0.0	77.5	-463.88	44.84	0.0	0.0	0.0	-538.54
							155.0	-434.82	14.43	0.0	0.0	-515.79
							232.5	-405.76	-12.65	0.0	0.0	-515.32
							310.0	-376.69	-36.39	0.0	0.0	-534.53
37	15	-677.51	0.0	1.68e-04	-50.60	0.0	-430.74	23.31	0.0	0.0	0.0	-687.76
		-712.54	0.0	0.0	0.0	77.5	-401.68	3.90	0.0	0.0	0.0	-677.51
							155.0	-372.62	-11.00	0.0	0.0	-680.55
							232.5	-343.55	-21.39	0.0	0.0	-693.39
							310.0	-314.49	-27.29	0.0	0.0	-712.54
37	16	-466.60	0.0	7.93e-05	-50.60	0.0	-361.70	23.26	0.0	0.0	0.0	-476.82
		-501.75	0.0	0.0	0.0	77.5	-332.64	3.85	0.0	0.0	0.0	-466.60
							155.0	-303.58	-11.05	0.0	0.0	-469.68
							232.5	-274.51	-21.44	0.0	0.0	-482.56
							310.0	-245.45	-27.34	0.0	0.0	-501.75
37	17	-685.44	0.0	4.82e-04	-50.60	0.0	-463.95	42.93	0.0	0.0	0.0	-725.43
		-725.43	0.0	0.0	0.0	77.5	-434.89	23.53	0.0	0.0	0.0	-699.97
							155.0	-405.82	8.62	0.0	0.0	-687.80
							232.5	-376.76	-1.77	0.0	0.0	-685.44
							310.0	-347.70	-7.67	0.0	0.0	-689.39
37	18	-358.62	0.0	9.11e-05	-50.60	0.0	-307.75	40.51	0.0	0.0	0.0	-393.75
		-393.75	0.0	0.0	0.0	77.5	-278.69	21.11	0.0	0.0	0.0	-370.16
							155.0	-249.63	6.21	0.0	0.0	-359.87
							232.5	-220.57	-4.19	0.0	0.0	-359.38
							310.0	-191.50	-10.08	0.0	0.0	-365.20
38	1	353.31	0.0	-7.44e-05	55.18	0.0	-427.48	-50.15	0.0	0.0	0.0	353.31
		323.67	0.0	0.0	0.0	35.9	-409.28	-33.84	0.0	0.0	0.0	338.26
							71.9	-391.09	-19.21	0.0	0.0	328.78
							107.8	-372.90	-6.25	0.0	0.0	324.26
							143.8	-354.70	5.03	0.0	0.0	324.09
38	2	379.23	0.0	3.19e-04	55.18	0.0	-415.12	-78.54	0.0	0.0	0.0	379.23
		309.20	0.0	0.0	0.0	35.9	-396.93	-62.23	0.0	0.0	0.0	353.98
							71.9	-378.74	-47.60	0.0	0.0	334.30
							107.8	-360.54	-34.64	0.0	0.0	319.57
							143.8	-342.35	-23.36	0.0	0.0	309.20
38	3	333.17	0.0	-7.10e-05	55.18	0.0	-435.41	-32.03	0.0	0.0	0.0	333.17
		321.66	0.0	0.0	0.0	35.9	-417.21	-15.73	0.0	0.0	0.0	324.64
							71.9	-399.02	-1.09	0.0	0.0	321.66
							107.8	-380.83	11.87	0.0	0.0	323.65
							143.8	-362.63	23.15	0.0	0.0	329.99
38	4	443.66	0.0	8.45e-05	104.72	0.0	-589.65	-55.42	0.0	0.0	0.0	443.66
		423.81	0.0	0.0	0.0	35.9	-571.46	-27.40	0.0	0.0	0.0	428.81
							71.9	-553.26	-0.61	0.0	0.0	423.81
							107.8	-535.07	24.96	0.0	0.0	428.22
							143.8	-516.88	49.31	0.0	0.0	441.61
38	5	291.30	0.0	-4.79e-04	55.18	0.0	-411.93	-13.54	0.0	0.0	0.0	267.90
		266.01	0.0	0.0	0.0	35.9	-393.74	2.77	0.0	0.0	0.0	266.01
							71.9	-375.54	17.40	0.0	0.0	269.68
							107.8	-357.35	30.36	0.0	0.0	278.32
							143.8	-339.16	41.64	0.0	0.0	291.30
38	6	300.64	0.0	-1.72e-04	55.18	0.0	-404.92	-36.43	0.0	0.0	0.0	300.64
		285.60	0.0	0.0	0.0	35.9	-386.72	-20.12	0.0	0.0	0.0	290.53
							71.9	-368.53	-5.49	0.0	0.0	285.98
							107.8	-350.34	7.47	0.0	0.0	286.39
							143.8	-332.14	18.75	0.0	0.0	291.15
38	7	294.58	0.0	-4.77e-04	55.18	0.0	-416.33	-3.48	0.0	0.0	0.0	256.71
		256.71	0.0	0.0	0.0	35.9	-398.14	12.83	0.0	0.0	0.0	258.44
							71.9	-379.95	27.47	0.0	0.0	265.73
							107.8	-361.75	40.42	0.0	0.0	277.98
							143.8	-343.56	51.70	0.0	0.0	294.58
38	8	364.71	0.0	-3.02e-04	82.71	0.0	-501.88	-23.58	0.0	0.0	0.0	336.44

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		332.10	0.0	0.0	0.0	35.9	-483.68	-0.77	0.0	0.0	0.0	332.10
						71.9	-465.49	20.62	0.0	0.0	0.0	335.71
						107.8	-447.30	40.58	0.0	0.0	0.0	346.75
						143.8	-429.10	59.12	0.0	0.0	0.0	364.71
38	9	194.47	0.0	-5.56e-04	40.88	0.0	-283.32	4.89	0.0	0.0	0.0	155.68
		155.68	0.0	0.0	0.0	35.9	-269.84	16.98	0.0	0.0	0.0	159.64
						71.9	-256.37	27.82	0.0	0.0	0.0	167.73
						107.8	-242.89	37.41	0.0	0.0	0.0	179.49
						143.8	-229.42	45.77	0.0	0.0	0.0	194.47
38	10	258.56	0.0	-7.63e-05	40.88	0.0	-316.93	-35.31	0.0	0.0	0.0	258.56
		238.92	0.0	0.0	0.0	35.9	-303.45	-23.23	0.0	0.0	0.0	248.08
						71.9	-289.98	-12.39	0.0	0.0	0.0	241.72
						107.8	-276.50	-2.79	0.0	0.0	0.0	239.03
						143.8	-263.02	5.57	0.0	0.0	0.0	239.57
38	11	282.57	0.0	2.39e-04	40.88	0.0	-307.74	-58.20	0.0	0.0	0.0	282.57
		230.66	0.0	0.0	0.0	35.9	-294.26	-46.12	0.0	0.0	0.0	263.86
						71.9	-280.79	-35.28	0.0	0.0	0.0	249.27
						107.8	-267.31	-25.68	0.0	0.0	0.0	238.35
						143.8	-253.83	-17.33	0.0	0.0	0.0	230.66
38	12	243.94	0.0	-7.37e-05	40.88	0.0	-322.80	-21.89	0.0	0.0	0.0	243.65
		236.45	0.0	0.0	0.0	35.9	-309.33	-9.81	0.0	0.0	0.0	237.99
						71.9	-295.85	1.03	0.0	0.0	0.0	236.45
						107.8	-282.37	10.63	0.0	0.0	0.0	238.58
						143.8	-268.90	18.99	0.0	0.0	0.0	243.94
38	13	330.29	0.0	6.46e-05	77.57	0.0	-437.02	-41.07	0.0	0.0	0.0	330.29
		315.58	0.0	0.0	0.0	35.9	-423.54	-20.32	0.0	0.0	0.0	319.29
						71.9	-410.07	-0.48	0.0	0.0	0.0	315.58
						107.8	-396.59	18.47	0.0	0.0	0.0	318.84
						143.8	-383.11	36.50	0.0	0.0	0.0	328.74
38	14	243.36	0.0	-5.34e-05	40.88	0.0	-303.18	-39.33	0.0	0.0	0.0	243.36
		218.58	0.0	0.0	0.0	35.9	-289.71	-27.25	0.0	0.0	0.0	231.43
						71.9	-276.23	-16.41	0.0	0.0	0.0	223.63
						107.8	-262.75	-6.81	0.0	0.0	0.0	219.49
						143.8	-249.28	1.54	0.0	0.0	0.0	218.58
38	15	264.31	0.0	1.97e-04	40.88	0.0	-296.27	-57.64	0.0	0.0	0.0	264.31
		213.21	0.0	0.0	0.0	35.9	-282.79	-45.56	0.0	0.0	0.0	245.80
						71.9	-269.32	-34.72	0.0	0.0	0.0	231.41
						107.8	-255.84	-25.13	0.0	0.0	0.0	220.70
						143.8	-242.36	-16.77	0.0	0.0	0.0	213.21
38	16	232.17	0.0	-5.15e-05	40.88	0.0	-307.59	-29.27	0.0	0.0	0.0	232.17
		218.98	0.0	0.0	0.0	35.9	-294.11	-17.19	0.0	0.0	0.0	223.86
						71.9	-280.64	-6.35	0.0	0.0	0.0	219.67
						107.8	-267.16	3.25	0.0	0.0	0.0	219.15
						143.8	-253.68	11.61	0.0	0.0	0.0	221.86
38	17	300.11	0.0	6.65e-05	68.40	0.0	-393.23	-44.80	0.0	0.0	0.0	300.11
		280.36	0.0	0.0	0.0	35.9	-379.75	-26.21	0.0	0.0	0.0	287.38
						71.9	-366.27	-8.62	0.0	0.0	0.0	281.15
						107.8	-352.80	7.99	0.0	0.0	0.0	281.06
						143.8	-339.32	23.60	0.0	0.0	0.0	286.77
38	18	186.17	0.0	-6.26e-05	40.88	0.0	-262.98	-44.62	0.0	0.0	0.0	186.17
		153.78	0.0	0.0	0.0	35.9	-249.50	-32.54	0.0	0.0	0.0	172.34
						71.9	-236.03	-21.70	0.0	0.0	0.0	162.63
						107.8	-222.55	-12.10	0.0	0.0	0.0	156.60
						143.8	-209.08	-3.75	0.0	0.0	0.0	153.78
39	1	547.51	0.0	-2.13e-04	113.18	0.0	-523.03	-163.33	0.0	0.0	0.0	547.51
		353.31	0.0	0.0	0.0	47.2	-499.14	-130.70	0.0	0.0	0.0	478.25
						94.4	-475.25	-100.96	0.0	0.0	0.0	423.71
						141.6	-451.36	-74.11	0.0	0.0	0.0	382.51
						188.8	-427.48	-50.15	0.0	0.0	0.0	353.31
39	2	627.02	0.0	2.94e-04	113.18	0.0	-510.68	-191.72	0.0	0.0	0.0	627.02
		379.23	0.0	0.0	0.0	47.2	-486.79	-159.09	0.0	0.0	0.0	544.36
						94.4	-462.90	-129.35	0.0	0.0	0.0	476.42
						141.6	-439.01	-102.50	0.0	0.0	0.0	421.83
						188.8	-415.12	-78.54	0.0	0.0	0.0	379.23
39	3	493.17	0.0	-2.01e-04	113.18	0.0	-530.96	-145.21	0.0	0.0	0.0	493.17
		333.17	0.0	0.0	0.0	47.2	-507.07	-112.59	0.0	0.0	0.0	432.46
						94.4	-483.18	-82.85	0.0	0.0	0.0	386.47
						141.6	-459.29	-56.00	0.0	0.0	0.0	353.82
						188.8	-435.41	-32.03	0.0	0.0	0.0	333.17
39	4	700.76	0.0	3.17e-05	167.22	0.0	-685.21	-222.63	0.0	0.0	0.0	700.76
		443.66	0.0	0.0	0.0	47.2	-661.32	-177.67	0.0	0.0	0.0	606.40
						94.4	-637.43	-134.81	0.0	0.0	0.0	532.76
						141.6	-613.54	-94.06	0.0	0.0	0.0	478.84
						188.8	-589.65	-55.42	0.0	0.0	0.0	443.66

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
39	5	393.00	0.0	-7.14e-04	113.18	0.0	-507.48	-126.72	0.0	0.0	0.0	393.00
		267.90	0.0	0.0	0.0	47.2	-483.59	-94.09	0.0	0.0	0.0	341.02
						94.4	-459.71	-64.35	0.0	0.0	0.0	303.75
						141.6	-435.82	-37.50	0.0	0.0	0.0	279.83
						188.8	-411.93	-13.54	0.0	0.0	0.0	267.90
39	6	468.94	0.0	-3.22e-04	113.18	0.0	-500.47	-149.61	0.0	0.0	0.0	468.94
		300.64	0.0	0.0	0.0	47.2	-476.58	-116.98	0.0	0.0	0.0	406.16
						94.4	-452.69	-87.24	0.0	0.0	0.0	358.09
						141.6	-428.80	-60.39	0.0	0.0	0.0	323.37
						188.8	-404.92	-36.43	0.0	0.0	0.0	300.64
39	7	362.82	0.0	-7.07e-04	113.18	0.0	-511.89	-116.66	0.0	0.0	0.0	362.82
		256.71	0.0	0.0	0.0	47.2	-488.00	-84.03	0.0	0.0	0.0	315.58
						94.4	-464.11	-54.29	0.0	0.0	0.0	283.06
						141.6	-440.22	-27.44	0.0	0.0	0.0	263.89
						188.8	-416.33	-3.48	0.0	0.0	0.0	256.71
39	8	509.92	0.0	-5.03e-04	143.20	0.0	-597.43	-166.78	0.0	0.0	0.0	509.92
		336.44	0.0	0.0	0.0	47.2	-573.54	-127.30	0.0	0.0	0.0	440.63
						94.4	-549.65	-90.27	0.0	0.0	0.0	389.39
						141.6	-525.76	-55.70	0.0	0.0	0.0	355.05
						188.8	-501.88	-23.58	0.0	0.0	0.0	336.44
39	9	209.68	0.0	-7.79e-04	83.84	0.0	-354.10	-73.38	0.0	0.0	0.0	209.68
		154.21	0.0	0.0	0.0	47.2	-336.41	-49.21	0.0	0.0	0.0	180.84
						94.4	-318.71	-27.18	0.0	0.0	0.0	162.90
						141.6	-301.02	-7.29	0.0	0.0	0.0	154.85
						188.8	-283.32	10.46	0.0	0.0	0.0	155.68
39	10	398.95	0.0	-1.84e-04	83.84	0.0	-387.71	-119.15	0.0	0.0	0.0	398.95
		258.56	0.0	0.0	0.0	47.2	-370.02	-94.98	0.0	0.0	0.0	348.51
						94.4	-352.32	-72.95	0.0	0.0	0.0	308.97
						141.6	-334.62	-53.06	0.0	0.0	0.0	279.33
						188.8	-316.93	-35.31	0.0	0.0	0.0	258.56
39	11	466.16	0.0	2.20e-04	83.84	0.0	-378.52	-142.04	0.0	0.0	0.0	466.16
		282.57	0.0	0.0	0.0	47.2	-360.83	-117.87	0.0	0.0	0.0	404.92
						94.4	-343.13	-95.84	0.0	0.0	0.0	354.58
						141.6	-325.44	-75.95	0.0	0.0	0.0	314.14
						188.8	-307.74	-58.20	0.0	0.0	0.0	282.57
39	12	358.70	0.0	-1.75e-04	83.84	0.0	-393.58	-105.73	0.0	0.0	0.0	358.70
		243.65	0.0	0.0	0.0	47.2	-375.89	-81.56	0.0	0.0	0.0	314.59
						94.4	-358.19	-59.53	0.0	0.0	0.0	281.39
						141.6	-340.50	-39.64	0.0	0.0	0.0	258.08
						188.8	-322.80	-21.89	0.0	0.0	0.0	243.65
39	13	520.79	0.0	2.14e-05	123.86	0.0	-507.80	-164.94	0.0	0.0	0.0	520.79
		330.29	0.0	0.0	0.0	47.2	-490.11	-131.63	0.0	0.0	0.0	450.88
						94.4	-472.41	-99.88	0.0	0.0	0.0	396.32
						141.6	-454.71	-69.70	0.0	0.0	0.0	356.37
						188.8	-437.02	-41.07	0.0	0.0	0.0	330.29
39	14	391.33	0.0	-1.49e-04	83.84	0.0	-373.97	-123.17	0.0	0.0	0.0	391.33
		243.36	0.0	0.0	0.0	47.2	-356.27	-99.00	0.0	0.0	0.0	339.00
						94.4	-338.58	-76.97	0.0	0.0	0.0	297.57
						141.6	-320.88	-57.08	0.0	0.0	0.0	266.02
						188.8	-303.18	-39.33	0.0	0.0	0.0	243.36
39	15	446.85	0.0	1.71e-04	83.84	0.0	-367.05	-141.48	0.0	0.0	0.0	446.85
		264.31	0.0	0.0	0.0	47.2	-349.35	-117.31	0.0	0.0	0.0	385.88
						94.4	-331.66	-95.28	0.0	0.0	0.0	335.80
						141.6	-313.96	-75.39	0.0	0.0	0.0	295.62
						188.8	-296.27	-57.64	0.0	0.0	0.0	264.31
39	16	361.15	0.0	-1.43e-04	83.84	0.0	-378.37	-113.10	0.0	0.0	0.0	361.15
		232.17	0.0	0.0	0.0	47.2	-360.68	-88.93	0.0	0.0	0.0	313.56
						94.4	-342.98	-66.90	0.0	0.0	0.0	276.88
						141.6	-325.28	-47.01	0.0	0.0	0.0	250.08
						188.8	-307.59	-29.27	0.0	0.0	0.0	232.17
39	17	487.82	0.0	-1.27e-05	113.86	0.0	-464.01	-158.66	0.0	0.0	0.0	487.82
		300.11	0.0	0.0	0.0	47.2	-446.31	-127.63	0.0	0.0	0.0	420.34
						94.4	-428.62	-98.31	0.0	0.0	0.0	367.10
						141.6	-410.92	-70.70	0.0	0.0	0.0	327.29
						188.8	-393.23	-44.80	0.0	0.0	0.0	300.11
39	18	344.13	0.0	-1.43e-04	83.84	0.0	-333.76	-128.46	0.0	0.0	0.0	344.13
		186.17	0.0	0.0	0.0	47.2	-316.07	-104.29	0.0	0.0	0.0	289.30
						94.4	-298.37	-82.26	0.0	0.0	0.0	245.37
						141.6	-280.68	-62.37	0.0	0.0	0.0	211.33
						188.8	-262.98	-44.62	0.0	0.0	0.0	186.17
40	1	304.70	0.0	-1.87e-04	0.0	0.0	-873.01	43.33	0.0	0.0	0.0	170.36
		170.36	0.0	0.0	0.0	77.5	-839.00	43.33	0.0	0.0	0.0	203.95
						155.0	-805.00	43.33	0.0	0.0	0.0	237.53
						232.5	-771.00	43.33	0.0	0.0	0.0	271.11

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
40	2	533.91	0.0	8.86e-04	0.0	310.0	-736.99	43.33	0.0	0.0	0.0	304.70
		402.02	0.0	0.0	0.0	0.0	-996.53	42.54	0.0	0.0	0.0	402.02
						77.5	-962.53	42.54	0.0	0.0	0.0	434.99
						155.0	-928.53	42.54	0.0	0.0	0.0	467.96
						232.5	-894.52	42.54	0.0	0.0	0.0	500.93
						310.0	-860.52	42.54	0.0	0.0	0.0	533.91
40	3	178.63	0.0	2.39e-04	0.0	0.0	-1101.31	-8.49	0.0	0.0	0.0	178.63
		152.31	0.0	0.0	0.0	77.5	-1067.31	-8.49	0.0	0.0	0.0	172.05
						155.0	-1033.31	-8.49	0.0	0.0	0.0	165.47
						232.5	-999.30	-8.49	0.0	0.0	0.0	158.89
						310.0	-965.30	-8.49	0.0	0.0	0.0	152.31
40	4	330.94	0.0	2.10e-04	0.0	0.0	-1240.15	24.96	0.0	0.0	0.0	253.57
		253.57	0.0	0.0	0.0	77.5	-1206.14	24.96	0.0	0.0	0.0	272.91
						155.0	-1172.14	24.96	0.0	0.0	0.0	292.25
						232.5	-1138.14	24.96	0.0	0.0	0.0	311.60
						310.0	-1104.13	24.96	0.0	0.0	0.0	330.94
40	5	389.77	0.0	-7.75e-04	0.0	0.0	-781.12	106.07	0.0	0.0	0.0	60.94
		60.94	0.0	0.0	0.0	77.5	-747.12	106.07	0.0	0.0	0.0	143.15
						155.0	-713.12	106.07	0.0	0.0	0.0	225.35
						232.5	-679.12	106.07	0.0	0.0	0.0	307.56
						310.0	-645.11	106.07	0.0	0.0	0.0	389.77
40	6	524.88	0.0	-3.53e-04	0.0	0.0	-851.13	105.56	0.0	0.0	0.0	197.63
		197.63	0.0	0.0	0.0	77.5	-817.13	105.56	0.0	0.0	0.0	279.45
						155.0	-783.12	105.56	0.0	0.0	0.0	361.26
						232.5	-749.12	105.56	0.0	0.0	0.0	443.07
						310.0	-715.12	105.56	0.0	0.0	0.0	524.88
40	7	305.11	0.0	-7.46e-04	0.0	0.0	-907.96	77.28	0.0	0.0	0.0	65.54
		65.54	0.0	0.0	0.0	77.5	-873.96	77.28	0.0	0.0	0.0	125.43
						155.0	-839.96	77.28	0.0	0.0	0.0	185.32
						232.5	-805.95	77.28	0.0	0.0	0.0	245.21
						310.0	-771.95	77.28	0.0	0.0	0.0	305.11
40	8	412.12	0.0	-7.29e-04	0.0	0.0	-986.47	95.79	0.0	0.0	0.0	115.16
		115.16	0.0	0.0	0.0	77.5	-952.47	95.79	0.0	0.0	0.0	189.40
						155.0	-918.46	95.79	0.0	0.0	0.0	263.64
						232.5	-884.46	95.79	0.0	0.0	0.0	337.88
						310.0	-850.46	95.79	0.0	0.0	0.0	412.12
40	9	284.92	0.0	-1.05e-03	0.0	0.0	-492.87	94.05	0.0	0.0	0.0	-6.64
		-6.64	0.0	0.0	0.0	77.5	-467.68	94.05	0.0	0.0	0.0	66.25
						155.0	-442.49	94.05	0.0	0.0	0.0	139.14
						232.5	-417.31	94.05	0.0	0.0	0.0	212.03
						310.0	-392.12	94.05	0.0	0.0	0.0	284.92
40	10	225.83	0.0	-1.35e-04	0.0	0.0	-646.18	32.20	0.0	0.0	0.0	126.02
		126.02	0.0	0.0	0.0	77.5	-620.99	32.20	0.0	0.0	0.0	150.97
						155.0	-595.80	32.20	0.0	0.0	0.0	175.92
						232.5	-570.62	32.20	0.0	0.0	0.0	200.88
						310.0	-545.43	32.20	0.0	0.0	0.0	225.83
40	11	397.65	0.0	6.62e-04	0.0	0.0	-738.04	31.59	0.0	0.0	0.0	299.71
		299.71	0.0	0.0	0.0	77.5	-712.85	31.59	0.0	0.0	0.0	324.20
						155.0	-687.67	31.59	0.0	0.0	0.0	348.68
						232.5	-662.48	31.59	0.0	0.0	0.0	373.16
						310.0	-637.29	31.59	0.0	0.0	0.0	397.65
40	12	132.14	0.0	1.74e-04	0.0	0.0	-815.30	-6.19	0.0	0.0	0.0	132.14
		112.95	0.0	0.0	0.0	77.5	-790.11	-6.19	0.0	0.0	0.0	127.35
						155.0	-764.92	-6.19	0.0	0.0	0.0	122.55
						232.5	-739.73	-6.19	0.0	0.0	0.0	117.75
						310.0	-714.55	-6.19	0.0	0.0	0.0	112.95
40	13	247.30	0.0	1.61e-04	0.0	0.0	-918.49	18.57	0.0	0.0	0.0	189.74
		189.74	0.0	0.0	0.0	77.5	-893.31	18.57	0.0	0.0	0.0	204.13
						155.0	-868.12	18.57	0.0	0.0	0.0	218.52
						232.5	-842.93	18.57	0.0	0.0	0.0	232.91
						310.0	-817.74	18.57	0.0	0.0	0.0	247.30
40	14	187.94	0.0	-1.37e-04	0.0	0.0	-609.59	21.85	0.0	0.0	0.0	120.21
		120.21	0.0	0.0	0.0	77.5	-584.40	21.85	0.0	0.0	0.0	137.14
						155.0	-559.22	21.85	0.0	0.0	0.0	154.07
						232.5	-534.03	21.85	0.0	0.0	0.0	171.01
						310.0	-508.84	21.85	0.0	0.0	0.0	187.94
40	15	318.05	0.0	5.38e-04	0.0	0.0	-678.71	21.38	0.0	0.0	0.0	251.77
		251.77	0.0	0.0	0.0	77.5	-653.52	21.38	0.0	0.0	0.0	268.34
						155.0	-628.33	21.38	0.0	0.0	0.0	284.91
						232.5	-603.15	21.38	0.0	0.0	0.0	301.48
						310.0	-577.96	21.38	0.0	0.0	0.0	318.05
40	16	124.81	0.0	1.66e-04	0.0	0.0	-736.43	-6.94	0.0	0.0	0.0	124.81
		103.28	0.0	0.0	0.0	77.5	-711.24	-6.94	0.0	0.0	0.0	119.42
						155.0	-686.05	-6.94	0.0	0.0	0.0	114.04



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							232.5	-660.87	-6.94	0.0	0.0	108.66
							310.0	-635.68	-6.94	0.0	0.0	103.28
40	17	205.29	0.0	1.62e-04	0.0	0.0	-814.05	11.61	0.0	0.0	0.0	169.29
		169.29	0.0	0.0	0.0	77.5	-788.86	11.61	0.0	0.0	0.0	178.29
							155.0	-763.67	11.61	0.0	0.0	187.29
							232.5	-738.49	11.61	0.0	0.0	196.29
							310.0	-713.30	11.61	0.0	0.0	205.29
40	18	102.14	0.0	1.31e-04	0.0	0.0	-498.01	-8.84	0.0	0.0	0.0	102.14
		74.73	0.0	0.0	0.0	77.5	-472.83	-8.84	0.0	0.0	0.0	95.29
							155.0	-447.64	-8.84	0.0	0.0	88.44
							232.5	-422.45	-8.84	0.0	0.0	81.58
							310.0	-397.26	-8.84	0.0	0.0	74.73
41	1	362.67	0.0	-1.24e-05	30.38	0.0	-354.70	5.03	0.0	0.0	0.0	324.09
		324.09	0.0	0.0	0.0	41.6	-333.66	15.99	0.0	0.0	0.0	328.53
							83.1	-312.62	24.70	0.0	0.0	337.07
							124.7	-291.58	31.18	0.0	0.0	348.76
							166.3	-270.54	35.41	0.0	0.0	362.67
41	2	309.20	0.0	4.50e-04	30.38	0.0	-342.35	-23.36	0.0	0.0	0.0	309.20
		298.19	0.0	0.0	0.0	41.6	-321.31	-12.40	0.0	0.0	0.0	301.84
							83.1	-300.27	-3.69	0.0	0.0	298.58
							124.7	-279.23	2.79	0.0	0.0	298.47
							166.3	-258.19	7.02	0.0	0.0	300.58
41	3	398.70	0.0	-1.59e-05	30.38	0.0	-362.63	23.15	0.0	0.0	0.0	329.99
		329.99	0.0	0.0	0.0	41.6	-341.59	34.11	0.0	0.0	0.0	341.97
							83.1	-320.55	42.82	0.0	0.0	358.03
							124.7	-299.51	49.30	0.0	0.0	377.25
							166.3	-278.47	53.53	0.0	0.0	398.70
41	4	607.60	0.0	2.13e-04	96.72	0.0	-516.88	49.31	0.0	0.0	0.0	441.61
		441.61	0.0	0.0	0.0	41.6	-495.84	75.94	0.0	0.0	0.0	467.69
							83.1	-474.80	100.94	0.0	0.0	504.50
							124.7	-453.75	124.30	0.0	0.0	551.37
							166.3	-432.71	146.03	0.0	0.0	607.60
41	5	390.75	0.0	-4.76e-04	30.38	0.0	-339.16	41.64	0.0	0.0	0.0	291.30
		291.30	0.0	0.0	0.0	41.6	-318.11	52.60	0.0	0.0	0.0	310.96
							83.1	-297.07	61.31	0.0	0.0	334.71
							124.7	-276.03	67.79	0.0	0.0	361.62
							166.3	-254.99	72.02	0.0	0.0	390.75
41	6	352.55	0.0	-1.21e-04	30.38	0.0	-332.14	18.75	0.0	0.0	0.0	291.15
		291.15	0.0	0.0	0.0	41.6	-311.10	29.71	0.0	0.0	0.0	301.30
							83.1	-290.06	38.43	0.0	0.0	315.54
							124.7	-269.02	44.90	0.0	0.0	332.93
							166.3	-247.98	49.13	0.0	0.0	352.55
41	7	410.76	0.0	-4.73e-04	30.38	0.0	-343.56	51.70	0.0	0.0	0.0	294.58
		294.58	0.0	0.0	0.0	41.6	-322.52	62.66	0.0	0.0	0.0	318.43
							83.1	-301.48	71.38	0.0	0.0	346.36
							124.7	-280.44	77.85	0.0	0.0	377.45
							166.3	-259.40	82.08	0.0	0.0	410.76
41	8	523.12	0.0	-2.53e-04	67.24	0.0	-429.10	59.12	0.0	0.0	0.0	364.71
		364.71	0.0	0.0	0.0	41.6	-408.06	78.79	0.0	0.0	0.0	393.44
							83.1	-387.02	96.55	0.0	0.0	429.94
							124.7	-365.98	112.41	0.0	0.0	473.43
							166.3	-344.94	126.36	0.0	0.0	523.12
41	9	281.45	0.0	-5.91e-04	22.50	0.0	-229.42	38.85	0.0	0.0	0.0	194.47
		194.47	0.0	0.0	0.0	41.6	-213.83	46.97	0.0	0.0	0.0	212.36
							83.1	-198.24	53.42	0.0	0.0	233.28
							124.7	-182.66	58.22	0.0	0.0	256.54
							166.3	-167.07	61.36	0.0	0.0	281.45
41	10	271.21	0.0	-2.57e-05	22.50	0.0	-263.02	5.57	0.0	0.0	0.0	239.57
		239.57	0.0	0.0	0.0	41.6	-247.44	13.68	0.0	0.0	0.0	243.62
							83.1	-231.85	20.14	0.0	0.0	250.71
							124.7	-216.27	24.93	0.0	0.0	260.13
							166.3	-200.68	28.07	0.0	0.0	271.21
41	11	230.66	0.0	3.36e-04	22.50	0.0	-253.83	-17.33	0.0	0.0	0.0	230.66
		222.48	0.0	0.0	0.0	41.6	-238.25	-9.21	0.0	0.0	0.0	225.20
							83.1	-222.66	-2.75	0.0	0.0	222.78
							124.7	-207.08	2.04	0.0	0.0	222.69
							166.3	-191.49	5.18	0.0	0.0	224.24
41	12	297.89	0.0	-2.27e-05	22.50	0.0	-268.90	18.99	0.0	0.0	0.0	243.94
		243.94	0.0	0.0	0.0	41.6	-253.31	27.10	0.0	0.0	0.0	253.58
							83.1	-237.73	33.56	0.0	0.0	266.24
							124.7	-222.14	38.36	0.0	0.0	281.24
							166.3	-206.55	41.49	0.0	0.0	297.89
41	13	451.66	0.0	1.61e-04	71.64	0.0	-383.11	36.50	0.0	0.0	0.0	328.74
		328.74	0.0	0.0	0.0	41.6	-367.53	56.23	0.0	0.0	0.0	348.06

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							83.1	-351.94	74.75	0.0	0.0	375.32
							124.7	-336.36	92.05	0.0	0.0	410.02
							166.3	-320.77	108.14	0.0	0.0	451.66
41	14	243.53	0.0	-1.03e-05	22.50	0.0	-249.28	1.54	0.0	0.0	0.0	218.58
		218.58	0.0	0.0	0.0	41.6	-233.69	9.66	0.0	0.0	0.0	220.97
							83.1	-218.11	16.12	0.0	0.0	226.38
							124.7	-202.52	20.91	0.0	0.0	234.13
							166.3	-186.93	24.05	0.0	0.0	243.53
41	15	213.21	0.0	2.84e-04	22.50	0.0	-242.36	-16.77	0.0	0.0	0.0	213.21
		205.61	0.0	0.0	0.0	41.6	-226.78	-8.65	0.0	0.0	0.0	207.98
							83.1	-211.19	-2.20	0.0	0.0	205.79
							124.7	-195.60	2.60	0.0	0.0	205.93
							166.3	-180.02	5.73	0.0	0.0	207.72
41	16	263.55	0.0	-9.06e-06	22.50	0.0	-253.68	11.61	0.0	0.0	0.0	221.86
		221.86	0.0	0.0	0.0	41.6	-238.10	19.73	0.0	0.0	0.0	228.43
							83.1	-222.51	26.18	0.0	0.0	238.03
							124.7	-206.93	30.98	0.0	0.0	249.96
							166.3	-191.34	34.11	0.0	0.0	263.55
41	17	378.28	0.0	1.52e-04	59.36	0.0	-339.32	23.60	0.0	0.0	0.0	286.77
		286.77	0.0	0.0	0.0	41.6	-323.74	40.43	0.0	0.0	0.0	300.12
							83.1	-308.15	55.93	0.0	0.0	320.19
							124.7	-292.56	70.11	0.0	0.0	346.43
							166.3	-276.98	82.96	0.0	0.0	378.28
41	18	169.94	0.0	-3.24e-05	22.50	0.0	-209.08	-3.75	0.0	0.0	0.0	153.78
		153.46	0.0	0.0	0.0	41.6	-193.49	4.37	0.0	0.0	0.0	153.97
							83.1	-177.90	10.83	0.0	0.0	157.19
							124.7	-162.32	15.62	0.0	0.0	162.74
							166.3	-146.73	18.76	0.0	0.0	169.94
<b>Pilas.</b>		<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Q 2 / Q 3</b>		<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>		
		-2135.73	0.0	-1.45e-03	-288.97		-1428.81	-485.47	0.0	0.0		
		1543.83	0.0	1.15e-03	175.22		-131.73	483.31	0.0	0.0		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
15	1	492.42	0.0	-1.30e-03	-59.67	0.0	-80.70	-46.00	0.0	0.0	0.0	492.42
		393.84	0.0	0.0	0.0	16.3	-80.70	-53.45	0.0	0.0	0.0	484.34
						32.5	-80.70	-60.91	0.0	0.0	0.0	475.04
						48.8	-80.70	-68.37	0.0	0.0	0.0	464.54
						65.0	-80.70	-75.83	0.0	0.0	0.0	452.82
						81.3	-80.70	-83.29	0.0	0.0	0.0	439.90
						97.5	-80.70	-90.75	0.0	0.0	0.0	425.75
						113.8	-80.70	-98.21	0.0	0.0	0.0	410.40
						130.0	-80.70	-105.67	0.0	0.0	0.0	393.84
15	2	936.33	0.0	-1.21e-03	-194.66	0.0	-51.52	-22.17	0.0	0.0	0.0	936.33
		780.98	0.0	0.0	0.0	16.3	-51.52	-46.51	0.0	0.0	0.0	930.75
						32.5	-51.52	-70.84	0.0	0.0	0.0	921.22
						48.8	-51.52	-95.17	0.0	0.0	0.0	907.73
						65.0	-51.52	-119.51	0.0	0.0	0.0	890.29
						81.3	-51.52	-143.84	0.0	0.0	0.0	868.89
						97.5	-51.52	-168.17	0.0	0.0	0.0	843.54
						113.8	-51.52	-192.51	0.0	0.0	0.0	814.23
						130.0	-51.52	-216.84	0.0	0.0	0.0	780.98
15	3	466.10	0.0	-6.03e-04	-59.67	0.0	-46.99	-12.24	0.0	0.0	0.0	466.10
		411.40	0.0	0.0	0.0	16.3	-46.99	-19.70	0.0	0.0	0.0	463.50
						32.5	-46.99	-27.16	0.0	0.0	0.0	459.69
						48.8	-46.99	-34.62	0.0	0.0	0.0	454.67
						65.0	-46.99	-42.08	0.0	0.0	0.0	448.44
						81.3	-46.99	-49.54	0.0	0.0	0.0	441.00
						97.5	-46.99	-57.00	0.0	0.0	0.0	432.34
						113.8	-46.99	-64.45	0.0	0.0	0.0	422.48
						130.0	-46.99	-71.91	0.0	0.0	0.0	411.40
15	4	758.01	0.0	-1.05e-03	-94.77	0.0	-190.35	-31.93	0.0	0.0	0.0	758.01
		654.90	0.0	0.0	0.0	16.3	-190.35	-43.78	0.0	0.0	0.0	751.86
						32.5	-190.35	-55.63	0.0	0.0	0.0	743.78
						48.8	-190.35	-67.47	0.0	0.0	0.0	733.78
						65.0	-190.35	-79.32	0.0	0.0	0.0	721.86
						81.3	-190.35	-91.17	0.0	0.0	0.0	708.00
						97.5	-190.35	-103.01	0.0	0.0	0.0	692.23
						113.8	-190.35	-114.86	0.0	0.0	0.0	674.52
						130.0	-190.35	-126.70	0.0	0.0	0.0	654.90
15	5	424.17	0.0	-1.03e-03	-52.65	0.0	-180.05	-47.24	0.0	0.0	0.0	424.17

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		328.53	0.0	0.0	0.0	16.3	-180.05	-53.82	0.0	0.0	0.0	415.96
						32.5	-180.05	-60.40	0.0	0.0	0.0	406.68
						48.8	-180.05	-66.98	0.0	0.0	0.0	396.33
						65.0	-180.05	-73.57	0.0	0.0	0.0	384.91
						81.3	-180.05	-80.15	0.0	0.0	0.0	372.42
						97.5	-180.05	-86.73	0.0	0.0	0.0	358.86
						113.8	-180.05	-93.31	0.0	0.0	0.0	344.23
						130.0	-180.05	-99.89	0.0	0.0	0.0	328.53
15	6	677.02	0.0	-9.71e-04	-127.65	0.0	-156.65	-35.23	0.0	0.0	0.0	677.02
		548.24	0.0	0.0	0.0	16.3	-156.65	-51.19	0.0	0.0	0.0	669.99
						32.5	-156.65	-67.15	0.0	0.0	0.0	660.38
						48.8	-156.65	-83.10	0.0	0.0	0.0	648.17
						65.0	-156.65	-99.06	0.0	0.0	0.0	633.37
						81.3	-156.65	-115.01	0.0	0.0	0.0	615.98
						97.5	-156.65	-130.97	0.0	0.0	0.0	595.99
						113.8	-156.65	-146.93	0.0	0.0	0.0	573.41
						130.0	-156.65	-162.88	0.0	0.0	0.0	548.24
15	7	409.55	0.0	-6.36e-04	-52.65	0.0	-161.32	-28.49	0.0	0.0	0.0	409.55
		338.29	0.0	0.0	0.0	16.3	-161.32	-35.07	0.0	0.0	0.0	404.38
						32.5	-161.32	-41.65	0.0	0.0	0.0	398.15
						48.8	-161.32	-48.23	0.0	0.0	0.0	390.85
						65.0	-161.32	-54.81	0.0	0.0	0.0	382.47
						81.3	-161.32	-61.40	0.0	0.0	0.0	373.03
						97.5	-161.32	-67.98	0.0	0.0	0.0	362.52
						113.8	-161.32	-74.56	0.0	0.0	0.0	350.94
						130.0	-161.32	-81.14	0.0	0.0	0.0	338.29
15	8	577.95	0.0	-8.81e-04	-72.15	0.0	-233.78	-40.66	0.0	0.0	0.0	577.95
		478.20	0.0	0.0	0.0	16.3	-233.78	-49.68	0.0	0.0	0.0	570.61
						32.5	-233.78	-58.69	0.0	0.0	0.0	561.80
						48.8	-233.78	-67.71	0.0	0.0	0.0	551.53
						65.0	-233.78	-76.73	0.0	0.0	0.0	539.80
						81.3	-233.78	-85.75	0.0	0.0	0.0	526.59
						97.5	-233.78	-94.77	0.0	0.0	0.0	511.93
						113.8	-233.78	-103.79	0.0	0.0	0.0	495.79
						130.0	-233.78	-112.81	0.0	0.0	0.0	478.20
15	9	246.56	0.0	-4.71e-04	-32.50	0.0	-76.90	-28.06	0.0	0.0	0.0	246.56
		188.95	0.0	0.0	0.0	16.3	-76.90	-32.13	0.0	0.0	0.0	241.67
						32.5	-76.90	-36.19	0.0	0.0	0.0	236.12
						48.8	-76.90	-40.25	0.0	0.0	0.0	229.91
						65.0	-76.90	-44.31	0.0	0.0	0.0	223.04
						81.3	-76.90	-48.38	0.0	0.0	0.0	215.51
						97.5	-76.90	-52.44	0.0	0.0	0.0	207.31
						113.8	-76.90	-56.50	0.0	0.0	0.0	198.46
						130.0	-76.90	-60.56	0.0	0.0	0.0	188.95
15	10	363.20	0.0	-9.68e-04	-44.20	0.0	-61.72	-33.86	0.0	0.0	0.0	363.20
		290.46	0.0	0.0	0.0	16.3	-61.72	-39.38	0.0	0.0	0.0	357.25
						32.5	-61.72	-44.91	0.0	0.0	0.0	350.40
						48.8	-61.72	-50.43	0.0	0.0	0.0	342.66
						65.0	-61.72	-55.96	0.0	0.0	0.0	334.01
						81.3	-61.72	-61.48	0.0	0.0	0.0	324.47
						97.5	-61.72	-67.01	0.0	0.0	0.0	314.03
						113.8	-61.72	-72.53	0.0	0.0	0.0	302.69
						130.0	-61.72	-78.06	0.0	0.0	0.0	290.46
15	11	693.66	0.0	-8.97e-04	-144.20	0.0	-38.22	-16.54	0.0	0.0	0.0	693.66
		578.44	0.0	0.0	0.0	16.3	-38.22	-34.56	0.0	0.0	0.0	689.51
						32.5	-38.22	-52.58	0.0	0.0	0.0	682.43
						48.8	-38.22	-70.61	0.0	0.0	0.0	672.42
						65.0	-38.22	-88.63	0.0	0.0	0.0	659.48
						81.3	-38.22	-106.66	0.0	0.0	0.0	643.61
						97.5	-38.22	-124.68	0.0	0.0	0.0	624.82
						113.8	-38.22	-142.71	0.0	0.0	0.0	603.09
						130.0	-38.22	-160.73	0.0	0.0	0.0	578.44
15	12	343.71	0.0	-4.50e-04	-44.20	0.0	-36.75	-8.86	0.0	0.0	0.0	343.71
		303.46	0.0	0.0	0.0	16.3	-36.75	-14.38	0.0	0.0	0.0	341.82
						32.5	-36.75	-19.91	0.0	0.0	0.0	339.03
						48.8	-36.75	-25.43	0.0	0.0	0.0	335.35
						65.0	-36.75	-30.96	0.0	0.0	0.0	330.77
						81.3	-36.75	-36.48	0.0	0.0	0.0	325.29
						97.5	-36.75	-42.01	0.0	0.0	0.0	318.91
						113.8	-36.75	-47.53	0.0	0.0	0.0	311.64
						130.0	-36.75	-53.06	0.0	0.0	0.0	303.46
15	13	561.57	0.0	-7.77e-04	-70.20	0.0	-141.06	-23.76	0.0	0.0	0.0	561.57
		485.05	0.0	0.0	0.0	16.3	-141.06	-32.54	0.0	0.0	0.0	557.00
						32.5	-141.06	-41.31	0.0	0.0	0.0	550.99

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							48.8	-141.06	-50.09	0.0	0.0	543.57
							65.0	-141.06	-58.86	0.0	0.0	534.72
							81.3	-141.06	-67.64	0.0	0.0	524.44
							97.5	-141.06	-76.41	0.0	0.0	512.73
							113.8	-141.06	-85.19	0.0	0.0	499.60
							130.0	-141.06	-93.96	0.0	0.0	485.05
15	14	336.39	0.0	-8.46e-04	-41.27	0.0	0.0	-47.34	-28.81	0.0	0.0	336.39
		272.11	0.0	0.0	0.0	16.3	16.3	-47.34	-33.97	0.0	0.0	331.29
							32.5	-47.34	-39.13	0.0	0.0	325.35
							48.8	-47.34	-44.29	0.0	0.0	318.57
							65.0	-47.34	-49.44	0.0	0.0	310.95
							81.3	-47.34	-54.60	0.0	0.0	302.50
							97.5	-47.34	-59.76	0.0	0.0	293.21
							113.8	-47.34	-64.92	0.0	0.0	283.08
							130.0	-47.34	-70.08	0.0	0.0	272.11
15	15	585.23	0.0	-7.92e-04	-116.27	0.0	0.0	-28.57	-16.01	0.0	0.0	585.23
		488.84	0.0	0.0	0.0	16.3	16.3	-28.57	-30.55	0.0	0.0	581.45
							32.5	-28.57	-45.08	0.0	0.0	575.30
							48.8	-28.57	-59.61	0.0	0.0	566.80
							65.0	-28.57	-74.15	0.0	0.0	555.93
							81.3	-28.57	-88.68	0.0	0.0	542.70
							97.5	-28.57	-103.22	0.0	0.0	527.11
							113.8	-28.57	-117.75	0.0	0.0	509.15
							130.0	-28.57	-132.28	0.0	0.0	488.84
15	16	321.76	0.0	-4.57e-04	-41.27	0.0	0.0	-28.62	-10.06	0.0	0.0	321.76
		281.86	0.0	0.0	0.0	16.3	16.3	-28.62	-15.21	0.0	0.0	319.71
							32.5	-28.62	-20.37	0.0	0.0	316.82
							48.8	-28.62	-25.53	0.0	0.0	313.09
							65.0	-28.62	-30.69	0.0	0.0	308.52
							81.3	-28.62	-35.85	0.0	0.0	303.11
							97.5	-28.62	-41.01	0.0	0.0	296.87
							113.8	-28.62	-46.17	0.0	0.0	289.78
							130.0	-28.62	-51.33	0.0	0.0	281.86
15	17	486.16	0.0	-7.03e-04	-60.77	0.0	0.0	-105.70	-21.43	0.0	0.0	486.16
		418.79	0.0	0.0	0.0	16.3	16.3	-105.70	-29.03	0.0	0.0	482.06
							32.5	-105.70	-36.63	0.0	0.0	476.73
							48.8	-105.70	-44.22	0.0	0.0	470.16
							65.0	-105.70	-51.82	0.0	0.0	462.35
							81.3	-105.70	-59.42	0.0	0.0	453.32
							97.5	-105.70	-67.01	0.0	0.0	443.04
							113.8	-105.70	-74.61	0.0	0.0	431.54
							130.0	-105.70	-82.21	0.0	0.0	418.79
15	18	250.23	0.0	-4.90e-04	-32.50	0.0	0.0	-11.36	-12.87	0.0	0.0	250.23
		212.37	0.0	0.0	0.0	16.3	16.3	-11.36	-16.93	0.0	0.0	247.80
							32.5	-11.36	-21.00	0.0	0.0	244.72
							48.8	-11.36	-25.06	0.0	0.0	240.98
							65.0	-11.36	-29.12	0.0	0.0	236.58
							81.3	-11.36	-33.18	0.0	0.0	231.52
							97.5	-11.36	-37.25	0.0	0.0	225.79
							113.8	-11.36	-41.31	0.0	0.0	219.41
							130.0	-11.36	-45.37	0.0	0.0	212.37
16	1	-926.68	0.0	-2.81e-04	-29.84	0.0	0.0	-80.70	-363.85	0.0	0.0	-926.68
		-1172.89	0.0	0.0	0.0	8.1	8.1	-80.70	-367.58	0.0	0.0	-956.40
							16.3	-80.70	-371.31	0.0	0.0	-986.42
							24.4	-80.70	-375.04	0.0	0.0	-1016.74
							32.5	-80.70	-378.77	0.0	0.0	-1047.36
							40.6	-80.70	-382.50	0.0	0.0	-1078.29
							48.8	-80.70	-386.23	0.0	0.0	-1109.52
							56.9	-80.70	-389.96	0.0	0.0	-1141.05
							65.0	-80.70	-393.69	0.0	0.0	-1172.89
16	2	-1164.90	0.0	-5.08e-04	-29.84	0.0	0.0	-51.52	-475.03	0.0	0.0	-1164.90
		-1483.36	0.0	0.0	0.0	8.1	8.1	-51.52	-478.76	0.0	0.0	-1203.65
							16.3	-51.52	-482.49	0.0	0.0	-1242.70
							24.4	-51.52	-486.21	0.0	0.0	-1282.05
							32.5	-51.52	-489.94	0.0	0.0	-1321.71
							40.6	-51.52	-493.67	0.0	0.0	-1361.67
							48.8	-51.52	-497.40	0.0	0.0	-1401.93
							56.9	-51.52	-501.13	0.0	0.0	-1442.49
							65.0	-51.52	-504.86	0.0	0.0	-1483.36
16	3	-741.20	0.0	-2.48e-04	-97.33	0.0	0.0	-46.99	-397.60	0.0	0.0	-741.20
		-1031.27	0.0	0.0	0.0	8.1	8.1	-46.99	-409.76	0.0	0.0	-774.00
							16.3	-46.99	-421.93	0.0	0.0	-807.79
							24.4	-46.99	-434.10	0.0	0.0	-842.56
							32.5	-46.99	-446.26	0.0	0.0	-878.33

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						40.6	-46.99	-458.43	0.0	0.0	0.0	-915.08
						48.8	-46.99	-470.60	0.0	0.0	0.0	-952.82
						56.9	-46.99	-482.76	0.0	0.0	0.0	-991.55
						65.0	-46.99	-494.93	0.0	0.0	0.0	-1031.27
16	4	-1211.11	0.0	-3.43e-04	-47.38	0.0	-190.35	-536.77	0.0	0.0	0.0	-1211.11
		-1575.41	0.0	0.0	0.0	8.1	-190.35	-542.69	0.0	0.0	0.0	-1254.97
						16.3	-190.35	-548.61	0.0	0.0	0.0	-1299.30
						24.4	-190.35	-554.54	0.0	0.0	0.0	-1344.12
						32.5	-190.35	-560.46	0.0	0.0	0.0	-1389.41
						40.6	-190.35	-566.38	0.0	0.0	0.0	-1435.19
						48.8	-190.35	-572.31	0.0	0.0	0.0	-1481.45
						56.9	-190.35	-578.23	0.0	0.0	0.0	-1528.19
						65.0	-190.35	-584.15	0.0	0.0	0.0	-1575.41
16	5	-874.07	0.0	-7.67e-05	-26.32	0.0	-180.05	-327.70	0.0	0.0	0.0	-874.07
		-1095.64	0.0	0.0	0.0	8.1	-180.05	-330.99	0.0	0.0	0.0	-900.83
						16.3	-180.05	-334.28	0.0	0.0	0.0	-927.86
						24.4	-180.05	-337.58	0.0	0.0	0.0	-955.16
						32.5	-180.05	-340.87	0.0	0.0	0.0	-982.72
						40.6	-180.05	-344.16	0.0	0.0	0.0	-1010.55
						48.8	-180.05	-347.45	0.0	0.0	0.0	-1038.64
						56.9	-180.05	-350.74	0.0	0.0	0.0	-1067.01
						65.0	-180.05	-354.03	0.0	0.0	0.0	-1095.64
16	6	-1008.69	0.0	-2.05e-04	-26.32	0.0	-156.65	-390.69	0.0	0.0	0.0	-1008.69
		-1271.20	0.0	0.0	0.0	8.1	-156.65	-393.98	0.0	0.0	0.0	-1040.57
						16.3	-156.65	-397.28	0.0	0.0	0.0	-1072.72
						24.4	-156.65	-400.57	0.0	0.0	0.0	-1105.13
						32.5	-156.65	-403.86	0.0	0.0	0.0	-1137.81
						40.6	-156.65	-407.15	0.0	0.0	0.0	-1170.75
						48.8	-156.65	-410.44	0.0	0.0	0.0	-1203.97
						56.9	-156.65	-413.73	0.0	0.0	0.0	-1237.45
						65.0	-156.65	-417.02	0.0	0.0	0.0	-1271.20
16	7	-771.03	0.0	-5.82e-05	-63.82	0.0	-161.32	-346.45	0.0	0.0	0.0	-771.03
		-1016.96	0.0	0.0	0.0	8.1	-161.32	-354.43	0.0	0.0	0.0	-799.50
						16.3	-161.32	-362.41	0.0	0.0	0.0	-828.62
						24.4	-161.32	-370.38	0.0	0.0	0.0	-858.39
						32.5	-161.32	-378.36	0.0	0.0	0.0	-888.81
						40.6	-161.32	-386.34	0.0	0.0	0.0	-919.88
						48.8	-161.32	-394.32	0.0	0.0	0.0	-951.59
						56.9	-161.32	-402.30	0.0	0.0	0.0	-983.95
						65.0	-161.32	-410.27	0.0	0.0	0.0	-1016.96
16	8	-1034.37	0.0	-1.13e-04	-36.08	0.0	-233.78	-424.99	0.0	0.0	0.0	-1034.37
		-1322.34	0.0	0.0	0.0	8.1	-233.78	-429.50	0.0	0.0	0.0	-1069.08
						16.3	-233.78	-434.01	0.0	0.0	0.0	-1104.16
						24.4	-233.78	-438.52	0.0	0.0	0.0	-1139.61
						32.5	-233.78	-443.03	0.0	0.0	0.0	-1175.42
						40.6	-233.78	-447.54	0.0	0.0	0.0	-1211.60
						48.8	-233.78	-452.05	0.0	0.0	0.0	-1248.15
						56.9	-233.78	-456.56	0.0	0.0	0.0	-1285.06
						65.0	-233.78	-461.07	0.0	0.0	0.0	-1322.34
16	9	-547.23	0.0	-6.63e-05	-16.25	0.0	-98.26	-201.19	0.0	0.0	0.0	-547.23
		-683.28	0.0	0.0	0.0	8.1	-98.26	-203.22	0.0	0.0	0.0	-563.66
						16.3	-98.26	-205.25	0.0	0.0	0.0	-580.25
						24.4	-98.26	-207.28	0.0	0.0	0.0	-597.01
						32.5	-98.26	-209.31	0.0	0.0	0.0	-613.93
						40.6	-98.26	-211.35	0.0	0.0	0.0	-631.02
						48.8	-98.26	-213.38	0.0	0.0	0.0	-648.28
						56.9	-98.26	-215.41	0.0	0.0	0.0	-665.70
						65.0	-98.26	-217.44	0.0	0.0	0.0	-683.28
16	10	-686.52	0.0	-2.07e-04	-22.10	0.0	-61.72	-269.31	0.0	0.0	0.0	-686.52
		-868.75	0.0	0.0	0.0	8.1	-61.72	-272.07	0.0	0.0	0.0	-708.51
						16.3	-61.72	-274.83	0.0	0.0	0.0	-730.73
						24.4	-61.72	-277.60	0.0	0.0	0.0	-753.17
						32.5	-61.72	-280.36	0.0	0.0	0.0	-775.84
						40.6	-61.72	-283.12	0.0	0.0	0.0	-798.73
						48.8	-61.72	-285.88	0.0	0.0	0.0	-821.84
						56.9	-61.72	-288.65	0.0	0.0	0.0	-845.18
						65.0	-61.72	-291.41	0.0	0.0	0.0	-868.75
16	11	-863.57	0.0	-3.76e-04	-22.10	0.0	-38.22	-351.98	0.0	0.0	0.0	-863.57
		-1099.54	0.0	0.0	0.0	8.1	-38.22	-354.74	0.0	0.0	0.0	-892.28
						16.3	-38.22	-357.51	0.0	0.0	0.0	-921.21
						24.4	-38.22	-360.27	0.0	0.0	0.0	-950.37
						32.5	-38.22	-363.03	0.0	0.0	0.0	-979.76
						40.6	-38.22	-365.79	0.0	0.0	0.0	-1009.36
						48.8	-38.22	-368.56	0.0	0.0	0.0	-1039.20

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							56.9	-38.22	-371.32	0.0	0.0	0.0	-1069.25
							65.0	-38.22	-374.08	0.0	0.0	0.0	-1099.54
16	12	-549.12	0.0	-1.83e-04	-72.10	0.0	-36.75	-294.30	0.0	0.0	0.0	-549.12	
		-763.85	0.0	0.0	0.0	8.1	-36.75	-303.32	0.0	0.0	0.0	-573.40	
							16.3	-36.75	-312.33	0.0	0.0	0.0	-598.41
							24.4	-36.75	-321.34	0.0	0.0	0.0	-624.15
							32.5	-36.75	-330.35	0.0	0.0	0.0	-650.63
							40.6	-36.75	-339.37	0.0	0.0	0.0	-677.83
							48.8	-36.75	-348.38	0.0	0.0	0.0	-705.77
							56.9	-36.75	-357.39	0.0	0.0	0.0	-734.45
							65.0	-36.75	-366.40	0.0	0.0	0.0	-763.85
16	13	-897.80	0.0	-2.54e-04	-35.10	0.0	-141.06	-397.71	0.0	0.0	0.0	-897.80	
		-1167.72	0.0	0.0	0.0	8.1	-141.06	-402.10	0.0	0.0	0.0	-930.29	
							16.3	-141.06	-406.49	0.0	0.0	0.0	-963.14
							24.4	-141.06	-410.88	0.0	0.0	0.0	-996.35
							32.5	-141.06	-415.26	0.0	0.0	0.0	-1029.91
							40.6	-141.06	-419.65	0.0	0.0	0.0	-1063.83
							48.8	-141.06	-424.04	0.0	0.0	0.0	-1098.10
							56.9	-141.06	-428.43	0.0	0.0	0.0	-1132.73
							65.0	-141.06	-432.81	0.0	0.0	0.0	-1167.72
16	14	-624.40	0.0	-1.89e-04	-20.64	0.0	-47.34	-248.68	0.0	0.0	0.0	-624.40	
		-792.75	0.0	0.0	0.0	8.1	-47.34	-251.26	0.0	0.0	0.0	-644.71	
							16.3	-47.34	-253.84	0.0	0.0	0.0	-665.23
							24.4	-47.34	-256.41	0.0	0.0	0.0	-685.96
							32.5	-47.34	-258.99	0.0	0.0	0.0	-706.90
							40.6	-47.34	-261.57	0.0	0.0	0.0	-728.04
							48.8	-47.34	-264.15	0.0	0.0	0.0	-749.40
							56.9	-47.34	-266.73	0.0	0.0	0.0	-770.97
							65.0	-47.34	-269.31	0.0	0.0	0.0	-792.75
16	15	-757.55	0.0	-3.17e-04	-20.64	0.0	-28.57	-310.88	0.0	0.0	0.0	-757.55	
		-966.33	0.0	0.0	0.0	8.1	-28.57	-313.46	0.0	0.0	0.0	-782.92	
							16.3	-28.57	-316.04	0.0	0.0	0.0	-808.49
							24.4	-28.57	-318.62	0.0	0.0	0.0	-834.27
							32.5	-28.57	-321.20	0.0	0.0	0.0	-860.26
							40.6	-28.57	-323.78	0.0	0.0	0.0	-886.47
							48.8	-28.57	-326.36	0.0	0.0	0.0	-912.88
							56.9	-28.57	-328.94	0.0	0.0	0.0	-939.50
							65.0	-28.57	-331.51	0.0	0.0	0.0	-966.33
16	16	-521.35	0.0	-1.71e-04	-58.14	0.0	-28.62	-267.42	0.0	0.0	0.0	-521.35	
		-714.07	0.0	0.0	0.0	8.1	-28.62	-274.69	0.0	0.0	0.0	-543.38	
							16.3	-28.62	-281.96	0.0	0.0	0.0	-565.99
							24.4	-28.62	-289.22	0.0	0.0	0.0	-589.19
							32.5	-28.62	-296.49	0.0	0.0	0.0	-612.99
							40.6	-28.62	-303.76	0.0	0.0	0.0	-637.37
							48.8	-28.62	-311.02	0.0	0.0	0.0	-662.35
							56.9	-28.62	-318.29	0.0	0.0	0.0	-687.91
							65.0	-28.62	-325.56	0.0	0.0	0.0	-714.07
16	17	-783.23	0.0	-2.25e-04	-30.39	0.0	-105.70	-345.18	0.0	0.0	0.0	-783.23	
		-1017.47	0.0	0.0	0.0	8.1	-105.70	-348.98	0.0	0.0	0.0	-811.43	
							16.3	-105.70	-352.77	0.0	0.0	0.0	-839.94
							24.4	-105.70	-356.57	0.0	0.0	0.0	-868.75
							32.5	-105.70	-360.37	0.0	0.0	0.0	-897.88
							40.6	-105.70	-364.17	0.0	0.0	0.0	-927.31
							48.8	-105.70	-367.97	0.0	0.0	0.0	-957.06
							56.9	-105.70	-371.77	0.0	0.0	0.0	-987.11
							65.0	-105.70	-375.56	0.0	0.0	0.0	-1017.47
16	18	-438.35	0.0	-1.33e-04	-16.25	0.0	-11.36	-186.00	0.0	0.0	0.0	-438.35	
		-564.53	0.0	0.0	0.0	8.1	-11.36	-188.03	0.0	0.0	0.0	-453.55	
							16.3	-11.36	-190.06	0.0	0.0	0.0	-468.91
							24.4	-11.36	-192.09	0.0	0.0	0.0	-484.43
							32.5	-11.36	-194.12	0.0	0.0	0.0	-500.12
							40.6	-11.36	-196.15	0.0	0.0	0.0	-515.98
							48.8	-11.36	-198.18	0.0	0.0	0.0	-532.00
							56.9	-11.36	-200.21	0.0	0.0	0.0	-548.18
							65.0	-11.36	-202.25	0.0	0.0	0.0	-564.53
17	1	153.22	0.0	-1.28e-03	-277.02	0.0	-80.70	459.38	0.0	0.0	0.0	-440.39	
		-440.39	0.0	0.0	0.0	23.1	-80.70	424.75	0.0	0.0	0.0	-338.16	
							46.3	-80.70	390.12	0.0	0.0	0.0	-243.94
							69.4	-80.70	355.50	0.0	0.0	0.0	-157.73
							92.5	-80.70	320.87	0.0	0.0	0.0	-79.52
							115.6	-80.70	286.24	0.0	0.0	0.0	-9.33
							138.8	-80.70	251.61	0.0	0.0	0.0	52.86
							161.9	-80.70	216.98	0.0	0.0	0.0	107.05
							185.0	-80.70	182.36	0.0	0.0	0.0	153.22

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
17	2	-105.22	0.0	-2.24e-03	-84.92	0.0	-51.52	426.09	0.0	0.0	0.0	-814.94
		-814.94	0.0	0.0	0.0	23.1	-51.52	415.47	0.0	0.0	0.0	-717.63
						46.3	-51.52	404.86	0.0	0.0	0.0	-622.78
						69.4	-51.52	394.24	0.0	0.0	0.0	-530.39
						92.5	-51.52	383.63	0.0	0.0	0.0	-440.45
						115.6	-51.52	373.02	0.0	0.0	0.0	-352.96
						138.8	-51.52	362.40	0.0	0.0	0.0	-267.93
						161.9	-51.52	351.79	0.0	0.0	0.0	-185.35
						185.0	-51.52	341.17	0.0	0.0	0.0	-105.22
17	3	-41.02	0.0	-1.32e-03	-84.92	0.0	-46.99	301.02	0.0	0.0	0.0	-519.37
		-519.37	0.0	0.0	0.0	23.1	-46.99	290.41	0.0	0.0	0.0	-450.99
						46.3	-46.99	279.80	0.0	0.0	0.0	-385.06
						69.4	-46.99	269.18	0.0	0.0	0.0	-321.58
						92.5	-46.99	258.57	0.0	0.0	0.0	-260.56
						115.6	-46.99	247.95	0.0	0.0	0.0	-202.00
						138.8	-46.99	237.34	0.0	0.0	0.0	-145.88
						161.9	-46.99	226.72	0.0	0.0	0.0	-92.23
						185.0	-46.99	216.11	0.0	0.0	0.0	-41.02
17	4	14.72	0.0	-2.40e-03	-134.87	0.0	-190.35	465.61	0.0	0.0	0.0	-721.90
		-721.90	0.0	0.0	0.0	23.1	-190.35	448.75	0.0	0.0	0.0	-616.18
						46.3	-190.35	431.89	0.0	0.0	0.0	-514.36
						69.4	-190.35	415.03	0.0	0.0	0.0	-416.43
						92.5	-190.35	398.18	0.0	0.0	0.0	-322.40
						115.6	-190.35	381.32	0.0	0.0	0.0	-232.27
						138.8	-190.35	364.46	0.0	0.0	0.0	-146.04
						161.9	-190.35	347.60	0.0	0.0	0.0	-63.71
						185.0	-190.35	330.74	0.0	0.0	0.0	14.72
17	5	157.99	0.0	-1.37e-03	-181.65	0.0	-180.05	335.90	0.0	0.0	0.0	-295.39
		-295.39	0.0	0.0	0.0	23.1	-180.05	313.19	0.0	0.0	0.0	-220.34
						46.3	-180.05	290.49	0.0	0.0	0.0	-150.54
						69.4	-180.05	267.78	0.0	0.0	0.0	-85.99
						92.5	-180.05	245.07	0.0	0.0	0.0	-26.69
						115.6	-180.05	222.37	0.0	0.0	0.0	27.35
						138.8	-180.05	199.66	0.0	0.0	0.0	76.15
						161.9	-180.05	176.95	0.0	0.0	0.0	119.70
						185.0	-180.05	154.25	0.0	0.0	0.0	157.99
17	6	26.75	0.0	-1.99e-03	-74.92	0.0	-156.65	316.17	0.0	0.0	0.0	-488.87
		-488.87	0.0	0.0	0.0	23.1	-156.65	306.81	0.0	0.0	0.0	-416.84
						46.3	-156.65	297.44	0.0	0.0	0.0	-346.97
						69.4	-156.65	288.08	0.0	0.0	0.0	-279.27
						92.5	-156.65	278.71	0.0	0.0	0.0	-213.74
						115.6	-156.65	269.35	0.0	0.0	0.0	-150.37
						138.8	-156.65	259.98	0.0	0.0	0.0	-89.16
						161.9	-156.65	250.62	0.0	0.0	0.0	-30.13
						185.0	-156.65	241.25	0.0	0.0	0.0	26.75
17	7	50.08	0.0	-1.39e-03	-74.92	0.0	-161.32	247.92	0.0	0.0	0.0	-339.27
		-339.27	0.0	0.0	0.0	23.1	-161.32	238.56	0.0	0.0	0.0	-283.02
						46.3	-161.32	229.19	0.0	0.0	0.0	-228.94
						69.4	-161.32	219.83	0.0	0.0	0.0	-177.02
						92.5	-161.32	210.46	0.0	0.0	0.0	-127.27
						115.6	-161.32	201.10	0.0	0.0	0.0	-79.69
						138.8	-161.32	191.73	0.0	0.0	0.0	-34.26
						161.9	-161.32	182.36	0.0	0.0	0.0	8.99
						185.0	-161.32	173.00	0.0	0.0	0.0	50.08
17	8	93.38	0.0	-2.08e-03	-102.68	0.0	-233.78	338.13	0.0	0.0	0.0	-437.18
		-437.18	0.0	0.0	0.0	23.1	-233.78	325.30	0.0	0.0	0.0	-360.48
						46.3	-233.78	312.46	0.0	0.0	0.0	-286.73
						69.4	-233.78	299.63	0.0	0.0	0.0	-215.96
						92.5	-233.78	286.79	0.0	0.0	0.0	-148.16
						115.6	-233.78	273.96	0.0	0.0	0.0	-83.32
						138.8	-233.78	261.12	0.0	0.0	0.0	-21.45
						161.9	-233.78	248.29	0.0	0.0	0.0	37.45
						185.0	-233.78	235.46	0.0	0.0	0.0	93.38
17	9	76.79	0.0	-9.29e-04	-46.25	0.0	-55.71	142.56	0.0	0.0	0.0	-144.16
		-144.16	0.0	0.0	0.0	23.1	-55.71	136.78	0.0	0.0	0.0	-111.86
						46.3	-55.71	131.00	0.0	0.0	0.0	-80.90
						69.4	-55.71	125.22	0.0	0.0	0.0	-51.28
						92.5	-55.71	119.44	0.0	0.0	0.0	-22.99
						115.6	-55.71	113.65	0.0	0.0	0.0	3.96
						138.8	-55.71	107.87	0.0	0.0	0.0	29.58
						161.9	-55.71	102.09	0.0	0.0	0.0	53.85
						185.0	-55.71	96.31	0.0	0.0	0.0	76.79
17	10	110.89	0.0	-9.24e-04	-205.20	0.0	-61.72	340.49	0.0	0.0	0.0	-329.21
		-329.21	0.0	0.0	0.0	23.1	-61.72	314.84	0.0	0.0	0.0	-253.44

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							46.3	-61.72	289.19	0.0	0.0	-183.60
							69.4	-61.72	263.54	0.0	0.0	-119.69
							92.5	-61.72	237.89	0.0	0.0	-61.71
							115.6	-61.72	212.24	0.0	0.0	-9.66
							138.8	-61.72	186.59	0.0	0.0	36.45
							161.9	-61.72	160.94	0.0	0.0	76.64
							185.0	-61.72	135.29	0.0	0.0	110.89
17	11	-77.32	0.0	-1.66e-03	-62.90	0.0	-38.22	315.51	0.0	0.0	0.0	-602.83
		-602.83	0.0	0.0	0.0	23.1	-38.22	307.65	0.0	0.0	0.0	-530.78
							46.3	-38.22	299.79	0.0	0.0	-460.55
							69.4	-38.22	291.92	0.0	0.0	-392.13
							92.5	-38.22	284.06	0.0	0.0	-325.53
							115.6	-38.22	276.20	0.0	0.0	-260.75
							138.8	-38.22	268.34	0.0	0.0	-197.79
							161.9	-38.22	260.47	0.0	0.0	-136.65
							185.0	-38.22	252.61	0.0	0.0	-77.32
17	12	-32.99	0.0	-9.55e-04	-62.90	0.0	-36.75	223.19	0.0	0.0	0.0	-387.72
		-387.72	0.0	0.0	0.0	23.1	-36.75	215.33	0.0	0.0	0.0	-337.02
							46.3	-36.75	207.47	0.0	0.0	-288.13
							69.4	-36.75	199.61	0.0	0.0	-241.06
							92.5	-36.75	191.74	0.0	0.0	-195.81
							115.6	-36.75	183.88	0.0	0.0	-152.38
							138.8	-36.75	176.02	0.0	0.0	-110.77
							161.9	-36.75	168.16	0.0	0.0	-70.97
							185.0	-36.75	160.29	0.0	0.0	-32.99
17	13	11.53	0.0	-1.78e-03	-99.90	0.0	-141.06	344.79	0.0	0.0	0.0	-533.92
		-533.92	0.0	0.0	0.0	23.1	-141.06	332.30	0.0	0.0	0.0	-455.63
							46.3	-141.06	319.81	0.0	0.0	-380.23
							69.4	-141.06	307.32	0.0	0.0	-307.72
							92.5	-141.06	294.84	0.0	0.0	-238.09
							115.6	-141.06	282.35	0.0	0.0	-171.35
							138.8	-141.06	269.86	0.0	0.0	-107.50
							161.9	-141.06	257.37	0.0	0.0	-46.54
							185.0	-141.06	244.89	0.0	0.0	11.53
17	14	86.79	0.0	-8.62e-04	-165.46	0.0	-47.34	294.61	0.0	0.0	0.0	-305.20
		-305.20	0.0	0.0	0.0	23.1	-47.34	273.93	0.0	0.0	0.0	-239.46
							46.3	-47.34	253.25	0.0	0.0	-178.50
							69.4	-47.34	232.56	0.0	0.0	-122.33
							92.5	-47.34	211.88	0.0	0.0	-70.94
							115.6	-47.34	191.20	0.0	0.0	-24.34
							138.8	-47.34	170.52	0.0	0.0	17.49
							161.9	-47.34	149.83	0.0	0.0	54.53
							185.0	-47.34	129.15	0.0	0.0	86.79
17	15	-52.39	0.0	-1.43e-03	-58.74	0.0	-28.57	275.68	0.0	0.0	0.0	-508.06
		-508.06	0.0	0.0	0.0	23.1	-28.57	268.34	0.0	0.0	0.0	-445.16
							46.3	-28.57	260.99	0.0	0.0	-383.96
							69.4	-28.57	253.65	0.0	0.0	-324.45
							92.5	-28.57	246.31	0.0	0.0	-266.64
							115.6	-28.57	238.97	0.0	0.0	-210.53
							138.8	-28.57	231.63	0.0	0.0	-156.12
							161.9	-28.57	224.28	0.0	0.0	-103.41
							185.0	-28.57	216.94	0.0	0.0	-52.39
17	16	-21.13	0.0	-8.85e-04	-58.74	0.0	-28.62	206.64	0.0	0.0	0.0	-349.08
		-349.08	0.0	0.0	0.0	23.1	-28.62	199.30	0.0	0.0	0.0	-302.14
							46.3	-28.62	191.95	0.0	0.0	-256.90
							69.4	-28.62	184.61	0.0	0.0	-213.36
							92.5	-28.62	177.27	0.0	0.0	-171.52
							115.6	-28.62	169.93	0.0	0.0	-131.37
							138.8	-28.62	162.59	0.0	0.0	-92.93
							161.9	-28.62	155.24	0.0	0.0	-56.18
							185.0	-28.62	147.90	0.0	0.0	-21.13
17	17	14.25	0.0	-1.51e-03	-86.49	0.0	-105.70	297.64	0.0	0.0	0.0	-456.38
		-456.38	0.0	0.0	0.0	23.1	-105.70	286.82	0.0	0.0	0.0	-388.80
							46.3	-105.70	276.01	0.0	0.0	-323.72
							69.4	-105.70	265.20	0.0	0.0	-261.14
							92.5	-105.70	254.39	0.0	0.0	-201.06
							115.6	-105.70	243.58	0.0	0.0	-143.49
							138.8	-105.70	232.77	0.0	0.0	-88.41
							161.9	-105.70	221.96	0.0	0.0	-35.83
							185.0	-105.70	211.15	0.0	0.0	14.25
17	18	4.88	0.0	-5.95e-04	-46.25	0.0	-11.36	157.75	0.0	0.0	0.0	-244.19
		-244.19	0.0	0.0	0.0	23.1	-11.36	151.97	0.0	0.0	0.0	-208.38
							46.3	-11.36	146.19	0.0	0.0	-173.90
							69.4	-11.36	140.41	0.0	0.0	-140.76



Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						92.5	-11.36	134.63	0.0	0.0	0.0	-108.96
						115.6	-11.36	128.85	0.0	0.0	0.0	-78.50
						138.8	-11.36	123.07	0.0	0.0	0.0	-49.37
						161.9	-11.36	117.29	0.0	0.0	0.0	-21.58
						185.0	-11.36	111.50	0.0	0.0	0.0	4.88
18	1	-440.39	0.0	-3.26e-04	-112.31	0.0	-80.70	571.69	0.0	0.0	0.0	-827.04
		-827.04	0.0	0.0	0.0	9.4	-80.70	557.65	0.0	0.0	0.0	-774.10
						18.8	-80.70	543.61	0.0	0.0	0.0	-722.48
						28.1	-80.70	529.57	0.0	0.0	0.0	-672.17
						37.5	-80.70	515.53	0.0	0.0	0.0	-623.18
						46.9	-80.70	501.49	0.0	0.0	0.0	-575.51
						56.3	-80.70	487.46	0.0	0.0	0.0	-529.15
						65.6	-80.70	473.42	0.0	0.0	0.0	-484.11
						75.0	-80.70	459.38	0.0	0.0	0.0	-440.39
18	2	-814.94	0.0	-4.60e-04	-34.43	0.0	-51.52	460.51	0.0	0.0	0.0	-1147.42
		-1147.42	0.0	0.0	0.0	9.4	-51.52	456.21	0.0	0.0	0.0	-1104.44
						18.8	-51.52	451.91	0.0	0.0	0.0	-1061.88
						28.1	-51.52	447.60	0.0	0.0	0.0	-1019.71
						37.5	-51.52	443.30	0.0	0.0	0.0	-977.95
						46.9	-51.52	439.00	0.0	0.0	0.0	-936.59
						56.3	-51.52	434.69	0.0	0.0	0.0	-895.64
						65.6	-51.52	430.39	0.0	0.0	0.0	-855.09
						75.0	-51.52	426.09	0.0	0.0	0.0	-814.94
18	3	-519.37	0.0	-2.55e-04	-34.43	0.0	-46.99	335.45	0.0	0.0	0.0	-758.05
		-758.05	0.0	0.0	0.0	9.4	-46.99	331.15	0.0	0.0	0.0	-726.80
						18.8	-46.99	326.84	0.0	0.0	0.0	-695.96
						28.1	-46.99	322.54	0.0	0.0	0.0	-665.52
						37.5	-46.99	318.24	0.0	0.0	0.0	-635.49
						46.9	-46.99	313.93	0.0	0.0	0.0	-605.85
						56.3	-46.99	309.63	0.0	0.0	0.0	-576.62
						65.6	-46.99	305.33	0.0	0.0	0.0	-547.80
						75.0	-46.99	301.02	0.0	0.0	0.0	-519.37
18	4	-721.90	0.0	-5.97e-04	-54.68	0.0	-190.35	520.28	0.0	0.0	0.0	-1091.61
		-1091.61	0.0	0.0	0.0	9.4	-190.35	513.45	0.0	0.0	0.0	-1043.16
						18.8	-190.35	506.61	0.0	0.0	0.0	-995.34
						28.1	-190.35	499.78	0.0	0.0	0.0	-948.17
						37.5	-190.35	492.95	0.0	0.0	0.0	-901.63
						46.9	-190.35	486.11	0.0	0.0	0.0	-855.74
						56.3	-190.35	479.28	0.0	0.0	0.0	-810.49
						65.6	-190.35	472.44	0.0	0.0	0.0	-765.87
						75.0	-190.35	465.61	0.0	0.0	0.0	-721.90
18	5	-295.39	0.0	-4.34e-04	-73.64	0.0	-180.05	409.54	0.0	0.0	0.0	-574.93
		-574.93	0.0	0.0	0.0	9.4	-180.05	400.34	0.0	0.0	0.0	-536.97
						18.8	-180.05	391.13	0.0	0.0	0.0	-499.87
						28.1	-180.05	381.92	0.0	0.0	0.0	-463.63
						37.5	-180.05	372.72	0.0	0.0	0.0	-428.26
						46.9	-180.05	363.51	0.0	0.0	0.0	-393.75
						56.3	-180.05	354.31	0.0	0.0	0.0	-360.10
						65.6	-180.05	345.10	0.0	0.0	0.0	-327.31
						75.0	-180.05	335.90	0.0	0.0	0.0	-295.39
18	6	-488.87	0.0	-5.52e-04	-30.38	0.0	-156.65	346.55	0.0	0.0	0.0	-737.39
		-737.39	0.0	0.0	0.0	9.4	-156.65	342.75	0.0	0.0	0.0	-705.08
						18.8	-156.65	338.96	0.0	0.0	0.0	-673.13
						28.1	-156.65	335.16	0.0	0.0	0.0	-641.53
						37.5	-156.65	331.36	0.0	0.0	0.0	-610.29
						46.9	-156.65	327.57	0.0	0.0	0.0	-579.40
						56.3	-156.65	323.77	0.0	0.0	0.0	-548.87
						65.6	-156.65	319.97	0.0	0.0	0.0	-518.69
						75.0	-156.65	316.17	0.0	0.0	0.0	-488.87
18	7	-339.27	0.0	-3.95e-04	-30.38	0.0	-161.32	278.30	0.0	0.0	0.0	-536.61
		-536.61	0.0	0.0	0.0	9.4	-161.32	274.50	0.0	0.0	0.0	-510.69
						18.8	-161.32	270.70	0.0	0.0	0.0	-485.14
						28.1	-161.32	266.91	0.0	0.0	0.0	-459.94
						37.5	-161.32	263.11	0.0	0.0	0.0	-435.09
						46.9	-161.32	259.31	0.0	0.0	0.0	-410.60
						56.3	-161.32	255.52	0.0	0.0	0.0	-386.47
						65.6	-161.32	251.72	0.0	0.0	0.0	-362.70
						75.0	-161.32	247.92	0.0	0.0	0.0	-339.27
18	8	-437.18	0.0	-6.28e-04	-41.63	0.0	-233.78	379.76	0.0	0.0	0.0	-706.39
		-706.39	0.0	0.0	0.0	9.4	-233.78	374.55	0.0	0.0	0.0	-671.03
						18.8	-233.78	369.35	0.0	0.0	0.0	-636.16
						28.1	-233.78	364.15	0.0	0.0	0.0	-601.78
						37.5	-233.78	358.94	0.0	0.0	0.0	-567.89
						46.9	-233.78	353.74	0.0	0.0	0.0	-534.48

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							56.3	-233.78	348.54	0.0	0.0	-501.56
							65.6	-233.78	343.33	0.0	0.0	-469.13
							75.0	-233.78	338.13	0.0	0.0	-437.18
18	9	-144.16	0.0	-3.13e-04	-18.75	0.0	-51.50	161.31	0.0	0.0	0.0	-258.11
		-258.11	0.0	0.0	0.0	9.4	-51.50	158.97	0.0	0.0	0.0	-243.10
							18.8	-51.50	156.62	0.0	0.0	-228.31
							28.1	-51.50	154.28	0.0	0.0	-213.73
							37.5	-51.50	151.94	0.0	0.0	-199.38
							46.9	-51.50	149.59	0.0	0.0	-185.25
							56.3	-51.50	147.25	0.0	0.0	-171.33
							65.6	-51.50	144.90	0.0	0.0	-157.64
							75.0	-51.50	142.56	0.0	0.0	-144.16
18	10	-329.21	0.0	-2.31e-04	-83.19	0.0	-61.72	423.68	0.0	0.0	0.0	-615.78
		-615.78	0.0	0.0	0.0	9.4	-61.72	413.28	0.0	0.0	0.0	-576.54
							18.8	-61.72	402.89	0.0	0.0	-538.29
							28.1	-61.72	392.49	0.0	0.0	-501.00
							37.5	-61.72	382.09	0.0	0.0	-464.70
							46.9	-61.72	371.69	0.0	0.0	-429.36
							56.3	-61.72	361.29	0.0	0.0	-395.00
							65.6	-61.72	350.89	0.0	0.0	-361.62
							75.0	-61.72	340.49	0.0	0.0	-329.21
18	11	-602.83	0.0	-3.42e-04	-25.50	0.0	-38.22	341.01	0.0	0.0	0.0	-849.03
		-849.03	0.0	0.0	0.0	9.4	-38.22	337.82	0.0	0.0	0.0	-817.21
							18.8	-38.22	334.64	0.0	0.0	-785.69
							28.1	-38.22	331.45	0.0	0.0	-754.46
							37.5	-38.22	328.26	0.0	0.0	-723.54
							46.9	-38.22	325.07	0.0	0.0	-692.91
							56.3	-38.22	321.89	0.0	0.0	-662.59
							65.6	-38.22	318.70	0.0	0.0	-632.56
							75.0	-38.22	315.51	0.0	0.0	-602.83
18	12	-387.72	0.0	-1.78e-04	-25.50	0.0	-36.75	248.69	0.0	0.0	0.0	-564.68
		-564.68	0.0	0.0	0.0	9.4	-36.75	245.51	0.0	0.0	0.0	-541.51
							18.8	-36.75	242.32	0.0	0.0	-518.64
							28.1	-36.75	239.13	0.0	0.0	-496.08
							37.5	-36.75	235.94	0.0	0.0	-473.81
							46.9	-36.75	232.76	0.0	0.0	-451.84
							56.3	-36.75	229.57	0.0	0.0	-430.17
							65.6	-36.75	226.38	0.0	0.0	-408.79
							75.0	-36.75	223.19	0.0	0.0	-387.72
18	13	-533.92	0.0	-4.43e-04	-40.50	0.0	-141.06	385.29	0.0	0.0	0.0	-807.69
		-807.69	0.0	0.0	0.0	9.4	-141.06	380.22	0.0	0.0	0.0	-771.81
							18.8	-141.06	375.16	0.0	0.0	-736.40
							28.1	-141.06	370.10	0.0	0.0	-701.47
							37.5	-141.06	365.04	0.0	0.0	-667.01
							46.9	-141.06	359.97	0.0	0.0	-633.02
							56.3	-141.06	354.91	0.0	0.0	-599.51
							65.6	-141.06	349.85	0.0	0.0	-566.48
							75.0	-141.06	344.79	0.0	0.0	-533.92
18	14	-305.20	0.0	-2.11e-04	-67.08	0.0	-47.34	361.69	0.0	0.0	0.0	-551.31
		-551.31	0.0	0.0	0.0	9.4	-47.34	353.31	0.0	0.0	0.0	-517.79
							18.8	-47.34	344.92	0.0	0.0	-485.06
							28.1	-47.34	336.54	0.0	0.0	-453.12
							37.5	-47.34	328.15	0.0	0.0	-421.96
							46.9	-47.34	319.77	0.0	0.0	-391.59
							56.3	-47.34	311.38	0.0	0.0	-362.01
							65.6	-47.34	303.00	0.0	0.0	-333.21
							75.0	-47.34	294.61	0.0	0.0	-305.20
18	15	-508.06	0.0	-3.02e-04	-23.81	0.0	-28.57	299.49	0.0	0.0	0.0	-723.75
		-723.75	0.0	0.0	0.0	9.4	-28.57	296.51	0.0	0.0	0.0	-695.81
							18.8	-28.57	293.54	0.0	0.0	-668.16
							28.1	-28.57	290.56	0.0	0.0	-640.78
							37.5	-28.57	287.59	0.0	0.0	-613.68
							46.9	-28.57	284.61	0.0	0.0	-586.85
							56.3	-28.57	281.63	0.0	0.0	-560.31
							65.6	-28.57	278.66	0.0	0.0	-534.05
							75.0	-28.57	275.68	0.0	0.0	-508.06
18	16	-349.08	0.0	-1.72e-04	-23.81	0.0	-28.62	230.45	0.0	0.0	0.0	-512.98
		-512.98	0.0	0.0	0.0	9.4	-28.62	227.47	0.0	0.0	0.0	-491.52
							18.8	-28.62	224.50	0.0	0.0	-470.33
							28.1	-28.62	221.52	0.0	0.0	-449.43
							37.5	-28.62	218.54	0.0	0.0	-428.80
							46.9	-28.62	215.57	0.0	0.0	-408.45
							56.3	-28.62	212.59	0.0	0.0	-388.38
							65.6	-28.62	209.61	0.0	0.0	-368.59

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
18	17	-456.38	0.0	-3.77e-04	-35.06	75.0	-28.62	206.64	0.0	0.0	0.0	-349.08	
		-692.75	0.0	0.0	0.0	0.0	9.4	-105.70	332.70	0.0	0.0	0.0	-692.75
							18.8	-105.70	323.93	0.0	0.0	0.0	-661.77
							28.1	-105.70	319.55	0.0	0.0	0.0	-631.19
							37.5	-105.70	315.17	0.0	0.0	0.0	-601.03
							46.9	-105.70	310.78	0.0	0.0	0.0	-571.28
							56.3	-105.70	306.40	0.0	0.0	0.0	-541.93
							65.6	-105.70	302.02	0.0	0.0	0.0	-513.00
							75.0	-105.70	297.64	0.0	0.0	0.0	-484.48
													-456.38
18	18	-244.19	0.0	-1.14e-04	-18.75	0.0	-11.36	176.50	0.0	0.0	0.0	-369.53	
		-369.53	0.0	0.0	0.0	0.0	9.4	-11.36	174.16	0.0	0.0	0.0	-353.10
							18.8	-11.36	171.82	0.0	0.0	0.0	-336.88
							28.1	-11.36	169.47	0.0	0.0	0.0	-320.88
							37.5	-11.36	167.13	0.0	0.0	0.0	-305.10
							46.9	-11.36	164.79	0.0	0.0	0.0	-289.54
							56.3	-11.36	162.44	0.0	0.0	0.0	-274.21
							65.6	-11.36	160.10	0.0	0.0	0.0	-259.09
							75.0	-11.36	157.75	0.0	0.0	0.0	-244.19
26	1	304.71	0.0	-7.07e-04	-253.60	0.0	-37.37	37.73	0.0	0.0	0.0	289.59	
		-202.49	0.0	0.0	0.0	0.0	69.1	-37.37	6.03	0.0	0.0	0.0	304.71
							138.1	-37.37	-25.67	0.0	0.0	0.0	297.93
							207.2	-37.37	-57.37	0.0	0.0	0.0	269.26
							276.3	-37.37	-89.07	0.0	0.0	0.0	218.69
							345.3	-37.37	-120.76	0.0	0.0	0.0	146.24
							414.4	-37.37	-152.46	0.0	0.0	0.0	51.89
							483.4	-37.37	-184.16	0.0	0.0	0.0	-64.36
							552.5	-37.37	-215.86	0.0	0.0	0.0	-202.49
26	2	312.78	0.0	-1.14e-03	-253.60	0.0	-8.98	50.09	0.0	0.0	0.0	285.53	
		-138.31	0.0	0.0	0.0	0.0	69.1	-8.98	18.39	0.0	0.0	0.0	309.17
							138.1	-8.98	-13.31	0.0	0.0	0.0	310.92
							207.2	-8.98	-45.01	0.0	0.0	0.0	290.78
							276.3	-8.98	-76.71	0.0	0.0	0.0	248.75
							345.3	-8.98	-108.41	0.0	0.0	0.0	184.82
							414.4	-8.98	-140.11	0.0	0.0	0.0	99.01
							483.4	-8.98	-171.81	0.0	0.0	0.0	-8.70
							552.5	-8.98	-203.51	0.0	0.0	0.0	-138.31
26	3	305.72	0.0	-9.55e-04	-253.60	0.0	-55.48	29.80	0.0	0.0	0.0	296.08	
		-239.82	0.0	0.0	0.0	0.0	69.1	-55.48	-1.90	0.0	0.0	0.0	305.72
							138.1	-55.48	-33.60	0.0	0.0	0.0	293.46
							207.2	-55.48	-65.29	0.0	0.0	0.0	259.31
							276.3	-55.48	-96.99	0.0	0.0	0.0	203.27
							345.3	-55.48	-128.69	0.0	0.0	0.0	125.34
							414.4	-55.48	-160.39	0.0	0.0	0.0	25.51
							483.4	-55.48	-192.09	0.0	0.0	0.0	-96.20
							552.5	-55.48	-223.79	0.0	0.0	0.0	-239.82
26	4	496.71	0.0	-1.80e-03	-402.77	0.0	-165.39	44.98	0.0	0.0	0.0	483.03	
		-381.09	0.0	0.0	0.0	0.0	69.1	-165.39	-5.36	0.0	0.0	0.0	496.71
							138.1	-165.39	-55.71	0.0	0.0	0.0	475.62
							207.2	-165.39	-106.06	0.0	0.0	0.0	419.76
							276.3	-165.39	-156.40	0.0	0.0	0.0	329.13
							345.3	-165.39	-206.75	0.0	0.0	0.0	203.73
							414.4	-165.39	-257.10	0.0	0.0	0.0	43.56
							483.4	-165.39	-307.44	0.0	0.0	0.0	-151.38
							552.5	-165.39	-357.79	0.0	0.0	0.0	-381.09
26	5	259.91	0.0	-5.76e-04	-223.76	0.0	-73.97	19.40	0.0	0.0	0.0	255.63	
		-255.35	0.0	0.0	0.0	0.0	69.1	-73.97	-8.57	0.0	0.0	0.0	259.36
							138.1	-73.97	-36.54	0.0	0.0	0.0	243.78
							207.2	-73.97	-64.51	0.0	0.0	0.0	208.89
							276.3	-73.97	-92.48	0.0	0.0	0.0	154.67
							345.3	-73.97	-120.46	0.0	0.0	0.0	81.14
							414.4	-73.97	-148.43	0.0	0.0	0.0	-11.71
							483.4	-73.97	-176.40	0.0	0.0	0.0	-123.87
							552.5	-73.97	-204.37	0.0	0.0	0.0	-255.35
26	6	267.56	0.0	-4.12e-04	-223.76	0.0	-51.09	26.41	0.0	0.0	0.0	258.98	
		-213.26	0.0	0.0	0.0	0.0	69.1	-51.09	-1.56	0.0	0.0	0.0	267.56
							138.1	-51.09	-29.53	0.0	0.0	0.0	256.82
							207.2	-51.09	-57.50	0.0	0.0	0.0	226.77
							276.3	-51.09	-85.47	0.0	0.0	0.0	177.39
							345.3	-51.09	-113.44	0.0	0.0	0.0	108.71
							414.4	-51.09	-141.41	0.0	0.0	0.0	20.70
							483.4	-51.09	-169.38	0.0	0.0	0.0	-86.62
							552.5	-51.09	-197.35	0.0	0.0	0.0	-213.26
26	7	261.99	0.0	-4.47e-04	-223.76	0.0	-84.04	14.99	0.0	0.0	0.0	259.23	

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		-276.09	0.0	0.0	0.0	69.1	-84.04	-12.98	0.0	0.0	0.0	259.92
						138.1	-84.04	-40.95	0.0	0.0	0.0	241.30
						207.2	-84.04	-68.92	0.0	0.0	0.0	203.36
						276.3	-84.04	-96.89	0.0	0.0	0.0	146.11
						345.3	-84.04	-124.86	0.0	0.0	0.0	69.53
						414.4	-84.04	-152.83	0.0	0.0	0.0	-26.36
						483.4	-84.04	-180.80	0.0	0.0	0.0	-141.57
						552.5	-84.04	-208.77	0.0	0.0	0.0	-276.09
26	8	373.53	0.0	-7.43e-04	-306.64	0.0	-137.99	23.57	0.0	0.0	0.0	368.70
		-348.14	0.0	0.0	0.0	69.1	-137.99	-14.76	0.0	0.0	0.0	371.75
						138.1	-137.99	-53.09	0.0	0.0	0.0	348.32
						207.2	-137.99	-91.41	0.0	0.0	0.0	298.42
						276.3	-137.99	-129.74	0.0	0.0	0.0	222.05
						345.3	-137.99	-168.07	0.0	0.0	0.0	119.21
						414.4	-137.99	-206.40	0.0	0.0	0.0	-10.10
						483.4	-137.99	-244.73	0.0	0.0	0.0	-165.88
						552.5	-137.99	-283.06	0.0	0.0	0.0	-348.14
26	9	158.27	0.0	-8.49e-04	-138.13	0.0	-44.29	4.80	0.0	0.0	0.0	158.10
		-196.93	0.0	0.0	0.0	69.1	-44.29	-12.46	0.0	0.0	0.0	155.46
						138.1	-44.29	-29.73	0.0	0.0	0.0	140.89
						207.2	-44.29	-46.99	0.0	0.0	0.0	114.40
						276.3	-44.29	-64.26	0.0	0.0	0.0	75.98
						345.3	-44.29	-81.52	0.0	0.0	0.0	25.64
						414.4	-44.29	-98.79	0.0	0.0	0.0	-36.63
						483.4	-44.29	-116.06	0.0	0.0	0.0	-110.82
						552.5	-44.29	-133.32	0.0	0.0	0.0	-196.93
26	10	223.98	0.0	-4.91e-04	-187.85	0.0	-29.52	27.67	0.0	0.0	0.0	212.98
		-153.08	0.0	0.0	0.0	69.1	-29.52	4.19	0.0	0.0	0.0	223.98
						138.1	-29.52	-19.29	0.0	0.0	0.0	218.76
						207.2	-29.52	-42.77	0.0	0.0	0.0	197.33
						276.3	-29.52	-66.25	0.0	0.0	0.0	159.68
						345.3	-29.52	-89.74	0.0	0.0	0.0	105.82
						414.4	-29.52	-113.22	0.0	0.0	0.0	35.74
						483.4	-29.52	-136.70	0.0	0.0	0.0	-50.56
						552.5	-29.52	-160.18	0.0	0.0	0.0	-153.08
26	11	231.37	0.0	-8.36e-04	-187.85	0.0	-6.63	36.86	0.0	0.0	0.0	211.43
		-103.85	0.0	0.0	0.0	69.1	-6.63	13.38	0.0	0.0	0.0	228.78
						138.1	-6.63	-10.10	0.0	0.0	0.0	229.91
						207.2	-6.63	-33.58	0.0	0.0	0.0	214.83
						276.3	-6.63	-57.06	0.0	0.0	0.0	183.53
						345.3	-6.63	-80.55	0.0	0.0	0.0	136.01
						414.4	-6.63	-104.03	0.0	0.0	0.0	72.27
						483.4	-6.63	-127.51	0.0	0.0	0.0	-7.68
						552.5	-6.63	-150.99	0.0	0.0	0.0	-103.85
26	12	224.73	0.0	-6.72e-04	-187.85	0.0	-42.94	21.80	0.0	0.0	0.0	217.78
		-180.73	0.0	0.0	0.0	69.1	-42.94	-1.68	0.0	0.0	0.0	224.73
						138.1	-42.94	-25.17	0.0	0.0	0.0	215.45
						207.2	-42.94	-48.65	0.0	0.0	0.0	189.97
						276.3	-42.94	-72.13	0.0	0.0	0.0	148.26
						345.3	-42.94	-95.61	0.0	0.0	0.0	90.34
						414.4	-42.94	-119.09	0.0	0.0	0.0	16.20
						483.4	-42.94	-142.57	0.0	0.0	0.0	-74.15
						552.5	-42.94	-166.05	0.0	0.0	0.0	-180.73
26	13	367.70	0.0	-1.33e-03	-298.35	0.0	-122.49	33.08	0.0	0.0	0.0	357.73
		-283.69	0.0	0.0	0.0	69.1	-122.49	-4.21	0.0	0.0	0.0	367.70
						138.1	-122.49	-41.51	0.0	0.0	0.0	351.91
						207.2	-122.49	-78.80	0.0	0.0	0.0	310.37
						276.3	-122.49	-116.09	0.0	0.0	0.0	243.07
						345.3	-122.49	-153.39	0.0	0.0	0.0	150.01
						414.4	-122.49	-190.68	0.0	0.0	0.0	31.20
						483.4	-122.49	-227.98	0.0	0.0	0.0	-113.37
						552.5	-122.49	-265.27	0.0	0.0	0.0	-283.69
26	14	211.59	0.0	-4.43e-04	-175.42	0.0	-25.50	27.30	0.0	0.0	0.0	200.31
		-133.47	0.0	0.0	0.0	69.1	-25.50	5.37	0.0	0.0	0.0	211.59
						138.1	-25.50	-16.56	0.0	0.0	0.0	207.72
						207.2	-25.50	-38.49	0.0	0.0	0.0	188.72
						276.3	-25.50	-60.41	0.0	0.0	0.0	154.56
						345.3	-25.50	-82.34	0.0	0.0	0.0	105.27
						414.4	-25.50	-104.27	0.0	0.0	0.0	40.83
						483.4	-25.50	-126.19	0.0	0.0	0.0	-38.75
						552.5	-25.50	-148.12	0.0	0.0	0.0	-133.47
26	15	218.46	0.0	-7.14e-04	-175.42	0.0	-7.18	34.21	0.0	0.0	0.0	200.05
		-95.52	0.0	0.0	0.0	69.1	-7.18	12.29	0.0	0.0	0.0	216.11
						138.1	-7.18	-9.64	0.0	0.0	0.0	217.02

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							207.2	-7.18	-31.57	0.0	0.0	202.79	
							276.3	-7.18	-53.50	0.0	0.0	173.41	
							345.3	-7.18	-75.42	0.0	0.0	128.90	
							414.4	-7.18	-97.35	0.0	0.0	69.24	
							483.4	-7.18	-119.28	0.0	0.0	-5.57	
							552.5	-7.18	-141.21	0.0	0.0	-95.52	
26	16	212.15	0.0	-5.73e-04	-175.42	0.0	-35.56	22.89	0.0	0.0	0.0	203.91	
		-154.21	0.0	0.0	0.0	69.1	-35.56	0.96	0.0	0.0	0.0	212.15	
							138.1	-35.56	-20.96	0.0	0.0	205.24	
							207.2	-35.56	-42.89	0.0	0.0	183.19	
							276.3	-35.56	-64.82	0.0	0.0	146.00	
							345.3	-35.56	-86.75	0.0	0.0	93.66	
							414.4	-35.56	-108.67	0.0	0.0	26.18	
							483.4	-35.56	-130.60	0.0	0.0	-56.44	
							552.5	-35.56	-152.53	0.0	0.0	-154.21	
26	17	320.30	0.0	-1.08e-03	-258.29	0.0	-94.08	31.38	0.0	0.0	0.0	309.77	
		-230.40	0.0	0.0	0.0	69.1	-94.08	-0.91	0.0	0.0	0.0	320.30	
							138.1	-94.08	-33.20	0.0	0.0	308.52	
							207.2	-94.08	-65.48	0.0	0.0	274.44	
							276.3	-94.08	-97.77	0.0	0.0	218.07	
							345.3	-94.08	-130.06	0.0	0.0	139.40	
							414.4	-94.08	-162.34	0.0	0.0	38.43	
							483.4	-94.08	-194.63	0.0	0.0	-84.83	
							552.5	-94.08	-226.92	0.0	0.0	-230.40	
26	18	169.26	0.0	-4.06e-04	-138.13	0.0	-20.21	25.14	0.0	0.0	0.0	156.63	
		-86.02	0.0	0.0	0.0	69.1	-20.21	7.88	0.0	0.0	0.0	168.03	
							138.1	-20.21	-9.39	0.0	0.0	167.51	
							207.2	-20.21	-26.65	0.0	0.0	155.07	
							276.3	-20.21	-43.92	0.0	0.0	130.70	
							345.3	-20.21	-61.18	0.0	0.0	94.40	
							414.4	-20.21	-78.45	0.0	0.0	46.19	
							483.4	-20.21	-95.72	0.0	0.0	-13.95	
							552.5	-20.21	-112.98	0.0	0.0	-86.02	
27	1	-202.49	0.0	-1.15e-04	-34.43	0.0	-37.37	-215.86	0.0	0.0	0.0	-202.49	
		-377.30	0.0	0.0	0.0	9.4	-37.37	-220.17	0.0	0.0	0.0	-222.93	
							18.8	-37.37	-224.47	0.0	0.0	0.0	-243.77
							28.1	-37.37	-228.77	0.0	0.0	0.0	-265.02
							37.5	-37.37	-233.08	0.0	0.0	0.0	-286.67
							46.9	-37.37	-237.38	0.0	0.0	0.0	-308.72
							56.3	-37.37	-241.68	0.0	0.0	0.0	-331.18
							65.6	-37.37	-245.99	0.0	0.0	0.0	-354.03
							75.0	-37.37	-250.29	0.0	0.0	0.0	-377.30
27	2	-138.31	0.0	-2.80e-04	-34.43	0.0	-8.98	-203.51	0.0	0.0	0.0	-138.31	
		-303.85	0.0	0.0	0.0	9.4	-8.98	-207.81	0.0	0.0	0.0	-157.59	
							18.8	-8.98	-212.12	0.0	0.0	0.0	-177.27
							28.1	-8.98	-216.42	0.0	0.0	0.0	-197.36
							37.5	-8.98	-220.72	0.0	0.0	0.0	-217.85
							46.9	-8.98	-225.03	0.0	0.0	0.0	-238.75
							56.3	-8.98	-229.33	0.0	0.0	0.0	-260.04
							65.6	-8.98	-233.63	0.0	0.0	0.0	-281.75
							75.0	-8.98	-237.94	0.0	0.0	0.0	-303.85
27	3	-239.82	0.0	-1.30e-04	-34.43	0.0	-55.48	-223.79	0.0	0.0	0.0	-239.82	
		-420.57	0.0	0.0	0.0	9.4	-55.48	-228.10	0.0	0.0	0.0	-261.00	
							18.8	-55.48	-232.40	0.0	0.0	0.0	-282.58
							28.1	-55.48	-236.70	0.0	0.0	0.0	-304.57
							37.5	-55.48	-241.01	0.0	0.0	0.0	-326.97
							46.9	-55.48	-245.31	0.0	0.0	0.0	-349.76
							56.3	-55.48	-249.61	0.0	0.0	0.0	-372.96
							65.6	-55.48	-253.92	0.0	0.0	0.0	-396.56
							75.0	-55.48	-258.22	0.0	0.0	0.0	-420.57
27	4	-381.09	0.0	-2.79e-04	-54.68	0.0	-165.39	-357.79	0.0	0.0	0.0	-381.09	
		-669.94	0.0	0.0	0.0	9.4	-165.39	-364.62	0.0	0.0	0.0	-414.95	
							18.8	-165.39	-371.46	0.0	0.0	0.0	-449.46
							28.1	-165.39	-378.29	0.0	0.0	0.0	-484.60
							37.5	-165.39	-385.13	0.0	0.0	0.0	-520.39
							46.9	-165.39	-391.96	0.0	0.0	0.0	-556.81
							56.3	-165.39	-398.79	0.0	0.0	0.0	-593.88
							65.6	-165.39	-405.63	0.0	0.0	0.0	-631.59
							75.0	-165.39	-412.46	0.0	0.0	0.0	-669.94
27	5	-255.35	0.0	-8.89e-05	-30.38	0.0	-73.97	-204.37	0.0	0.0	0.0	-255.35	
		-420.02	0.0	0.0	0.0	9.4	-73.97	-208.16	0.0	0.0	0.0	-274.69	
							18.8	-73.97	-211.96	0.0	0.0	0.0	-294.38
							28.1	-73.97	-215.76	0.0	0.0	0.0	-314.43
							37.5	-73.97	-219.55	0.0	0.0	0.0	-334.84

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							46.9	-73.97	-223.35	0.0	0.0	-355.60
							56.3	-73.97	-227.15	0.0	0.0	-376.72
							65.6	-73.97	-230.94	0.0	0.0	-398.19
							75.0	-73.97	-234.74	0.0	0.0	-420.02
27	6	-213.26	0.0	-4.11e-05	-30.38	0.0	9.4	-51.09	-197.35	0.0	0.0	-213.26
		-372.66	0.0	0.0	0.0		18.8	-51.09	-201.15	0.0	0.0	-231.94
							28.1	-51.09	-204.95	0.0	0.0	-250.97
							37.5	-51.09	-208.74	0.0	0.0	-270.37
							46.9	-51.09	-212.54	0.0	0.0	-290.11
							56.3	-51.09	-216.34	0.0	0.0	-310.22
							65.6	-51.09	-220.13	0.0	0.0	-330.68
							75.0	-51.09	-223.93	0.0	0.0	-351.49
							9.4	-51.09	-227.73	0.0	0.0	-372.66
27	7	-276.09	0.0	-8.06e-05	-30.38	0.0	9.4	-84.04	-208.77	0.0	0.0	-276.09
		-444.06	0.0	0.0	0.0		18.8	-84.04	-212.57	0.0	0.0	-295.84
							28.1	-84.04	-216.37	0.0	0.0	-315.95
							37.5	-84.04	-220.16	0.0	0.0	-336.41
							46.9	-84.04	-223.96	0.0	0.0	-357.23
							56.3	-84.04	-227.76	0.0	0.0	-378.40
							65.6	-84.04	-231.55	0.0	0.0	-399.93
							75.0	-84.04	-235.35	0.0	0.0	-421.82
							9.4	-84.04	-239.15	0.0	0.0	-444.06
27	8	-348.14	0.0	-4.06e-05	-41.63	0.0	9.4	-137.99	-283.06	0.0	0.0	-348.14
		-576.04	0.0	0.0	0.0		18.8	-137.99	-288.27	0.0	0.0	-374.92
							28.1	-137.99	-293.47	0.0	0.0	-402.19
							37.5	-137.99	-298.67	0.0	0.0	-429.94
							46.9	-137.99	-303.88	0.0	0.0	-458.19
							56.3	-137.99	-309.08	0.0	0.0	-486.92
							65.6	-137.99	-314.28	0.0	0.0	-516.14
							75.0	-137.99	-319.49	0.0	0.0	-545.85
							9.4	-137.99	-324.69	0.0	0.0	-576.04
27	9	-196.93	0.0	-1.76e-04	-18.75	0.0	9.4	-54.44	-133.32	0.0	0.0	-196.93
		-303.95	0.0	0.0	0.0		18.8	-54.44	-135.67	0.0	0.0	-209.54
							28.1	-54.44	-138.01	0.0	0.0	-222.37
							37.5	-54.44	-140.35	0.0	0.0	-235.41
							46.9	-54.44	-142.70	0.0	0.0	-248.68
							56.3	-54.44	-145.04	0.0	0.0	-262.17
							65.6	-54.44	-147.38	0.0	0.0	-275.88
							75.0	-54.44	-149.73	0.0	0.0	-289.80
							9.4	-54.44	-152.07	0.0	0.0	-303.95
27	10	-153.08	0.0	-7.48e-05	-25.50	0.0	9.4	-29.52	-160.18	0.0	0.0	-153.08
		-282.78	0.0	0.0	0.0		18.8	-29.52	-163.37	0.0	0.0	-168.25
							28.1	-29.52	-166.55	0.0	0.0	-183.71
							37.5	-29.52	-169.74	0.0	0.0	-199.47
							46.9	-29.52	-172.93	0.0	0.0	-215.54
							56.3	-29.52	-176.12	0.0	0.0	-231.90
							65.6	-29.52	-179.30	0.0	0.0	-248.56
							75.0	-29.52	-182.49	0.0	0.0	-265.52
							9.4	-29.52	-185.68	0.0	0.0	-282.78
27	11	-103.85	0.0	-2.07e-04	-25.50	0.0	9.4	-6.63	-150.99	0.0	0.0	-103.85
		-226.66	0.0	0.0	0.0		18.8	-6.63	-154.18	0.0	0.0	-118.16
							28.1	-6.63	-157.36	0.0	0.0	-132.76
							37.5	-6.63	-160.55	0.0	0.0	-147.66
							46.9	-6.63	-163.74	0.0	0.0	-162.86
							56.3	-6.63	-166.93	0.0	0.0	-178.36
							65.6	-6.63	-170.11	0.0	0.0	-194.16
							75.0	-6.63	-173.30	0.0	0.0	-210.26
							9.4	-6.63	-176.49	0.0	0.0	-226.66
27	12	-180.73	0.0	-8.59e-05	-25.50	0.0	9.4	-42.94	-166.05	0.0	0.0	-180.73
		-314.83	0.0	0.0	0.0		18.8	-42.94	-169.24	0.0	0.0	-196.44
							28.1	-42.94	-172.43	0.0	0.0	-212.46
							37.5	-42.94	-175.62	0.0	0.0	-228.77
							46.9	-42.94	-178.80	0.0	0.0	-245.39
							56.3	-42.94	-181.99	0.0	0.0	-262.30
							65.6	-42.94	-185.18	0.0	0.0	-279.51
							75.0	-42.94	-188.37	0.0	0.0	-297.02
							9.4	-42.94	-191.55	0.0	0.0	-314.83
27	13	-283.69	0.0	-2.07e-04	-40.50	0.0	9.4	-122.49	-265.27	0.0	0.0	-283.69
		-497.83	0.0	0.0	0.0		18.8	-122.49	-270.33	0.0	0.0	-308.80
							28.1	-122.49	-275.39	0.0	0.0	-334.38
							37.5	-122.49	-280.46	0.0	0.0	-360.43
							46.9	-122.49	-285.52	0.0	0.0	-386.96
							56.3	-122.49	-290.58	0.0	0.0	-413.97
							65.6	-122.49	-295.64	0.0	0.0	-441.45

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							65.6	-122.49	-300.71	0.0	0.0	-469.40
							75.0	-122.49	-305.77	0.0	0.0	-497.83
27	14	-133.47	0.0	-7.53e-05	-23.81	0.0	-25.50	-148.12	0.0	0.0	0.0	-133.47
		-253.49	0.0	0.0	0.0	9.4	-25.50	-151.10	0.0	0.0	0.0	-147.50
							18.8	-25.50	-154.08	0.0	0.0	-161.80
							28.1	-25.50	-157.05	0.0	0.0	-176.39
							37.5	-25.50	-160.03	0.0	0.0	-191.25
							46.9	-25.50	-163.00	0.0	0.0	-206.39
							56.3	-25.50	-165.98	0.0	0.0	-221.82
							65.6	-25.50	-168.96	0.0	0.0	-237.52
							75.0	-25.50	-171.93	0.0	0.0	-253.49
27	15	-95.52	0.0	-1.81e-04	-23.81	0.0	-7.18	-141.21	0.0	0.0	0.0	-95.52
		-210.35	0.0	0.0	0.0	9.4	-7.18	-144.18	0.0	0.0	0.0	-108.90
							18.8	-7.18	-147.16	0.0	0.0	-122.55
							28.1	-7.18	-150.14	0.0	0.0	-136.49
							37.5	-7.18	-153.11	0.0	0.0	-150.70
							46.9	-7.18	-156.09	0.0	0.0	-165.20
							56.3	-7.18	-159.07	0.0	0.0	-179.97
							65.6	-7.18	-162.04	0.0	0.0	-195.02
							75.0	-7.18	-165.02	0.0	0.0	-210.35
27	16	-154.21	0.0	-8.37e-05	-23.81	0.0	-35.56	-152.53	0.0	0.0	0.0	-154.21
		-277.53	0.0	0.0	0.0	9.4	-35.56	-155.50	0.0	0.0	0.0	-168.65
							18.8	-35.56	-158.48	0.0	0.0	-183.37
							28.1	-35.56	-161.46	0.0	0.0	-198.36
							37.5	-35.56	-164.43	0.0	0.0	-213.64
							46.9	-35.56	-167.41	0.0	0.0	-229.20
							56.3	-35.56	-170.39	0.0	0.0	-245.03
							65.6	-35.56	-173.36	0.0	0.0	-261.14
							75.0	-35.56	-176.34	0.0	0.0	-277.53
27	17	-230.40	0.0	-1.80e-04	-35.06	0.0	-94.08	-226.92	0.0	0.0	0.0	-230.40
		-413.73	0.0	0.0	0.0	9.4	-94.08	-231.30	0.0	0.0	0.0	-251.88
							18.8	-94.08	-235.68	0.0	0.0	-273.77
							28.1	-94.08	-240.06	0.0	0.0	-296.07
							37.5	-94.08	-244.45	0.0	0.0	-318.78
							46.9	-94.08	-248.83	0.0	0.0	-341.90
							56.3	-94.08	-253.21	0.0	0.0	-365.43
							65.6	-94.08	-257.60	0.0	0.0	-389.38
							75.0	-94.08	-261.98	0.0	0.0	-413.73
27	18	-86.02	0.0	-3.96e-05	-18.75	0.0	-20.21	-112.98	0.0	0.0	0.0	-86.02
		-177.79	0.0	0.0	0.0	9.4	-20.21	-115.33	0.0	0.0	0.0	-96.72
							18.8	-20.21	-117.67	0.0	0.0	-107.64
							28.1	-20.21	-120.01	0.0	0.0	-118.79
							37.5	-20.21	-122.36	0.0	0.0	-130.15
							46.9	-20.21	-124.70	0.0	0.0	-141.73
							56.3	-20.21	-127.04	0.0	0.0	-153.53
							65.6	-20.21	-129.39	0.0	0.0	-165.55
							75.0	-20.21	-131.73	0.0	0.0	-177.79
28	1	-466.16	0.0	-2.27e-04	-29.84	0.0	-37.37	295.92	0.0	0.0	0.0	-648.81
		-648.81	0.0	0.0	0.0	8.1	-37.37	292.19	0.0	0.0	0.0	-624.92
							16.3	-37.37	288.46	0.0	0.0	-601.33
							24.4	-37.37	284.73	0.0	0.0	-578.04
							32.5	-37.37	281.00	0.0	0.0	-555.06
							40.6	-37.37	277.27	0.0	0.0	-532.38
							48.8	-37.37	273.54	0.0	0.0	-510.00
							56.9	-37.37	269.82	0.0	0.0	-487.93
							65.0	-37.37	266.09	0.0	0.0	-466.16
28	2	-531.68	0.0	-8.33e-05	-29.84	0.0	-8.98	308.27	0.0	0.0	0.0	-722.36
		-722.36	0.0	0.0	0.0	8.1	-8.98	304.54	0.0	0.0	0.0	-697.47
							16.3	-8.98	300.82	0.0	0.0	-672.87
							24.4	-8.98	297.09	0.0	0.0	-648.59
							32.5	-8.98	293.36	0.0	0.0	-624.60
							40.6	-8.98	289.63	0.0	0.0	-600.91
							48.8	-8.98	285.90	0.0	0.0	-577.53
							56.9	-8.98	282.17	0.0	0.0	-554.46
							65.0	-8.98	278.44	0.0	0.0	-531.68
28	3	-420.22	0.0	-2.37e-04	-97.33	0.0	-55.48	355.49	0.0	0.0	0.0	-619.66
		-619.66	0.0	0.0	0.0	8.1	-55.48	343.32	0.0	0.0	0.0	-591.27
							16.3	-55.48	331.16	0.0	0.0	-563.87
							24.4	-55.48	318.99	0.0	0.0	-537.46
							32.5	-55.48	306.82	0.0	0.0	-512.03
							40.6	-55.48	294.66	0.0	0.0	-487.60
							48.8	-55.48	282.49	0.0	0.0	-464.15
							56.9	-55.48	270.32	0.0	0.0	-441.69
							65.0	-55.48	258.16	0.0	0.0	-420.22

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
28	4	-642.93	0.0	-3.72e-04	-47.38	0.0	-165.39	455.05	0.0	0.0	0.0	-923.31
		-923.31	0.0	0.0	0.0	8.1	-165.39	449.12	0.0	0.0	0.0	-886.57
						16.3	-165.39	443.20	0.0	0.0	0.0	-850.32
						24.4	-165.39	437.28	0.0	0.0	0.0	-814.55
						32.5	-165.39	431.35	0.0	0.0	0.0	-779.27
						40.6	-165.39	425.43	0.0	0.0	0.0	-744.46
						48.8	-165.39	419.51	0.0	0.0	0.0	-710.13
						56.9	-165.39	413.58	0.0	0.0	0.0	-676.29
						65.0	-165.39	407.66	0.0	0.0	0.0	-642.93
28	5	-342.07	0.0	-3.45e-04	-26.32	0.0	-73.97	247.21	0.0	0.0	0.0	-494.20
		-494.20	0.0	0.0	0.0	8.1	-73.97	243.92	0.0	0.0	0.0	-474.25
						16.3	-73.97	240.63	0.0	0.0	0.0	-454.56
						24.4	-73.97	237.34	0.0	0.0	0.0	-435.15
						32.5	-73.97	234.05	0.0	0.0	0.0	-416.00
						40.6	-73.97	230.76	0.0	0.0	0.0	-397.11
						48.8	-73.97	227.47	0.0	0.0	0.0	-378.50
						56.9	-73.97	224.17	0.0	0.0	0.0	-360.15
						65.0	-73.97	220.88	0.0	0.0	0.0	-342.07
28	6	-373.61	0.0	-2.61e-04	-26.32	0.0	-51.09	254.22	0.0	0.0	0.0	-530.30
		-530.30	0.0	0.0	0.0	8.1	-51.09	250.93	0.0	0.0	0.0	-509.78
						16.3	-51.09	247.64	0.0	0.0	0.0	-489.52
						24.4	-51.09	244.35	0.0	0.0	0.0	-469.53
						32.5	-51.09	241.06	0.0	0.0	0.0	-449.81
						40.6	-51.09	237.77	0.0	0.0	0.0	-430.36
						48.8	-51.09	234.48	0.0	0.0	0.0	-411.18
						56.9	-51.09	231.19	0.0	0.0	0.0	-392.26
						65.0	-51.09	227.90	0.0	0.0	0.0	-373.61
28	7	-316.55	0.0	-3.50e-04	-63.82	0.0	-84.04	280.30	0.0	0.0	0.0	-478.01
		-478.01	0.0	0.0	0.0	8.1	-84.04	272.32	0.0	0.0	0.0	-455.56
						16.3	-84.04	264.35	0.0	0.0	0.0	-433.75
						24.4	-84.04	256.37	0.0	0.0	0.0	-412.60
						32.5	-84.04	248.39	0.0	0.0	0.0	-392.09
						40.6	-84.04	240.41	0.0	0.0	0.0	-372.24
						48.8	-84.04	232.43	0.0	0.0	0.0	-353.03
						56.9	-84.04	224.46	0.0	0.0	0.0	-334.47
						65.0	-84.04	216.48	0.0	0.0	0.0	-316.55
28	8	-435.41	0.0	-4.21e-04	-36.08	0.0	-137.99	335.76	0.0	0.0	0.0	-641.93
		-641.93	0.0	0.0	0.0	8.1	-137.99	331.25	0.0	0.0	0.0	-614.83
						16.3	-137.99	326.74	0.0	0.0	0.0	-588.10
						24.4	-137.99	322.23	0.0	0.0	0.0	-561.74
						32.5	-137.99	317.72	0.0	0.0	0.0	-535.74
						40.6	-137.99	313.21	0.0	0.0	0.0	-510.11
						48.8	-137.99	308.71	0.0	0.0	0.0	-484.84
						56.9	-137.99	304.20	0.0	0.0	0.0	-459.94
						65.0	-137.99	299.69	0.0	0.0	0.0	-435.41
28	9	-175.18	0.0	-3.09e-04	-16.25	0.0	-18.20	145.43	0.0	0.0	0.0	-264.43
		-264.43	0.0	0.0	0.0	8.1	-18.20	143.40	0.0	0.0	0.0	-252.69
						16.3	-18.20	141.37	0.0	0.0	0.0	-241.13
						24.4	-18.20	139.33	0.0	0.0	0.0	-229.72
						32.5	-18.20	137.30	0.0	0.0	0.0	-218.48
						40.6	-18.20	135.27	0.0	0.0	0.0	-207.41
						48.8	-18.20	133.24	0.0	0.0	0.0	-196.50
						56.9	-18.20	131.21	0.0	0.0	0.0	-185.76
						65.0	-18.20	129.18	0.0	0.0	0.0	-175.18
28	10	-345.44	0.0	-1.69e-04	-22.10	0.0	-29.52	218.92	0.0	0.0	0.0	-480.56
		-480.56	0.0	0.0	0.0	8.1	-29.52	216.16	0.0	0.0	0.0	-462.89
						16.3	-29.52	213.40	0.0	0.0	0.0	-445.43
						24.4	-29.52	210.63	0.0	0.0	0.0	-428.21
						32.5	-29.52	207.87	0.0	0.0	0.0	-411.21
						40.6	-29.52	205.11	0.0	0.0	0.0	-394.43
						48.8	-29.52	202.35	0.0	0.0	0.0	-377.88
						56.9	-29.52	199.58	0.0	0.0	0.0	-361.55
						65.0	-29.52	196.82	0.0	0.0	0.0	-345.44
28	11	-392.71	0.0	-6.13e-05	-22.10	0.0	-6.63	228.11	0.0	0.0	0.0	-533.80
		-533.80	0.0	0.0	0.0	8.1	-6.63	225.35	0.0	0.0	0.0	-515.37
						16.3	-6.63	222.59	0.0	0.0	0.0	-497.18
						24.4	-6.63	219.82	0.0	0.0	0.0	-479.20
						32.5	-6.63	217.06	0.0	0.0	0.0	-461.46
						40.6	-6.63	214.30	0.0	0.0	0.0	-443.93
						48.8	-6.63	211.54	0.0	0.0	0.0	-426.63
						56.9	-6.63	208.77	0.0	0.0	0.0	-409.56
						65.0	-6.63	206.01	0.0	0.0	0.0	-392.71
28	12	-311.42	0.0	-1.76e-04	-72.10	0.0	-42.94	263.04	0.0	0.0	0.0	-458.97
		-458.97	0.0	0.0	0.0	8.1	-42.94	254.03	0.0	0.0	0.0	-437.96



Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							16.3	-42.94	245.02	0.0	0.0	-417.69
							24.4	-42.94	236.01	0.0	0.0	-398.14
							32.5	-42.94	227.00	0.0	0.0	-379.33
							40.6	-42.94	217.98	0.0	0.0	-361.26
							48.8	-42.94	208.97	0.0	0.0	-343.91
							56.9	-42.94	199.96	0.0	0.0	-327.30
							65.0	-42.94	190.95	0.0	0.0	-311.42
28	13	-475.11	0.0	-2.75e-04	-35.10	0.0	-122.49	336.83	0.0	0.0	0.0	-682.64
		-682.64	0.0	0.0	0.0	8.1	-122.49	332.44	0.0	0.0	0.0	-655.45
							16.3	-122.49	328.06	0.0	0.0	-628.62
							24.4	-122.49	323.67	0.0	0.0	-602.14
							32.5	-122.49	319.28	0.0	0.0	-576.02
							40.6	-122.49	314.89	0.0	0.0	-550.26
							48.8	-122.49	310.51	0.0	0.0	-524.85
							56.9	-122.49	306.12	0.0	0.0	-499.80
							65.0	-122.49	301.73	0.0	0.0	-475.11
28	14	-328.41	0.0	-1.63e-04	-20.64	0.0	-25.50	205.89	0.0	0.0	0.0	-455.53
		-455.53	0.0	0.0	0.0	8.1	-25.50	203.31	0.0	0.0	0.0	-438.91
							16.3	-25.50	200.73	0.0	0.0	-422.50
							24.4	-25.50	198.15	0.0	0.0	-406.29
							32.5	-25.50	195.57	0.0	0.0	-390.30
							40.6	-25.50	192.99	0.0	0.0	-374.51
							48.8	-25.50	190.41	0.0	0.0	-358.94
							56.9	-25.50	187.83	0.0	0.0	-343.57
							65.0	-25.50	185.25	0.0	0.0	-328.41
28	15	-363.08	0.0	-8.11e-05	-20.64	0.0	-7.18	212.81	0.0	0.0	0.0	-494.69
		-494.69	0.0	0.0	0.0	8.1	-7.18	210.23	0.0	0.0	0.0	-477.51
							16.3	-7.18	207.65	0.0	0.0	-460.53
							24.4	-7.18	205.07	0.0	0.0	-443.77
							32.5	-7.18	202.49	0.0	0.0	-427.21
							40.6	-7.18	199.91	0.0	0.0	-410.86
							48.8	-7.18	197.33	0.0	0.0	-394.72
							56.9	-7.18	194.75	0.0	0.0	-378.80
							65.0	-7.18	192.17	0.0	0.0	-363.08
28	16	-302.89	0.0	-1.68e-04	-58.14	0.0	-35.56	238.98	0.0	0.0	0.0	-439.34
		-439.34	0.0	0.0	0.0	8.1	-35.56	231.72	0.0	0.0	0.0	-420.22
							16.3	-35.56	224.45	0.0	0.0	-401.68
							24.4	-35.56	217.18	0.0	0.0	-383.74
							32.5	-35.56	209.92	0.0	0.0	-366.39
							40.6	-35.56	202.65	0.0	0.0	-349.63
							48.8	-35.56	195.38	0.0	0.0	-333.46
							56.9	-35.56	188.11	0.0	0.0	-317.88
							65.0	-35.56	180.85	0.0	0.0	-302.89
28	17	-424.88	0.0	-2.42e-04	-30.39	0.0	-94.08	294.35	0.0	0.0	0.0	-606.33
		-606.33	0.0	0.0	0.0	8.1	-94.08	290.55	0.0	0.0	0.0	-582.57
							16.3	-94.08	286.75	0.0	0.0	-559.12
							24.4	-94.08	282.95	0.0	0.0	-535.97
							32.5	-94.08	279.15	0.0	0.0	-513.14
							40.6	-94.08	275.35	0.0	0.0	-490.61
							48.8	-94.08	271.56	0.0	0.0	-468.39
							56.9	-94.08	267.76	0.0	0.0	-446.48
							65.0	-94.08	263.96	0.0	0.0	-424.88
28	18	-277.84	0.0	-1.45e-04	-16.25	0.0	-20.21	165.77	0.0	0.0	0.0	-380.31
		-380.31	0.0	0.0	0.0	8.1	-20.21	163.74	0.0	0.0	0.0	-366.92
							16.3	-20.21	161.71	0.0	0.0	-353.70
							24.4	-20.21	159.67	0.0	0.0	-340.64
							32.5	-20.21	157.64	0.0	0.0	-327.75
							40.6	-20.21	155.61	0.0	0.0	-315.03
							48.8	-20.21	153.58	0.0	0.0	-302.47
							56.9	-20.21	151.55	0.0	0.0	-290.07
							65.0	-20.21	149.52	0.0	0.0	-277.84
29	1	-648.81	0.0	-3.84e-05	-29.84	0.0	-37.37	325.76	0.0	0.0	0.0	-850.86
		-850.86	0.0	0.0	0.0	8.1	-37.37	322.03	0.0	0.0	0.0	-824.54
							16.3	-37.37	318.30	0.0	0.0	-798.53
							24.4	-37.37	314.57	0.0	0.0	-772.82
							32.5	-37.37	310.84	0.0	0.0	-747.41
							40.6	-37.37	307.11	0.0	0.0	-722.30
							48.8	-37.37	303.38	0.0	0.0	-697.50
							56.9	-37.37	299.65	0.0	0.0	-673.01
							65.0	-37.37	295.92	0.0	0.0	-648.81
29	2	-722.36	0.0	-1.27e-04	-29.84	0.0	-8.98	338.11	0.0	0.0	0.0	-932.44
		-932.44	0.0	0.0	0.0	8.1	-8.98	334.38	0.0	0.0	0.0	-905.12
							16.3	-8.98	330.65	0.0	0.0	-878.10
							24.4	-8.98	326.92	0.0	0.0	-851.39

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
							32.5	-8.98	323.19	0.0	0.0	-824.98	
							40.6	-8.98	319.46	0.0	0.0	-798.87	
							48.8	-8.98	315.73	0.0	0.0	-773.06	
							56.9	-8.98	312.00	0.0	0.0	-747.56	
							65.0	-8.98	308.27	0.0	0.0	-722.36	
29	3	-619.66	0.0	-5.97e-05	-97.33	0.0	-55.48	452.82	0.0	0.0	0.0	-882.36	
		-882.36	0.0	0.0	0.0	8.1	-55.48	440.65	0.0	0.0	0.0	-846.06	
							16.3	-55.48	428.49	0.0	0.0	0.0	-810.75
							24.4	-55.48	416.32	0.0	0.0	0.0	-776.43
							32.5	-55.48	404.16	0.0	0.0	0.0	-743.10
							40.6	-55.48	391.99	0.0	0.0	0.0	-710.76
							48.8	-55.48	379.82	0.0	0.0	0.0	-679.40
							56.9	-55.48	367.66	0.0	0.0	0.0	-649.04
							65.0	-55.48	355.49	0.0	0.0	0.0	-619.66
29	4	-923.31	0.0	-1.03e-04	-47.38	0.0	-165.39	502.43	0.0	0.0	0.0	-1234.49	
		-1234.49	0.0	0.0	0.0	8.1	-165.39	496.51	0.0	0.0	0.0	-1193.91	
							16.3	-165.39	490.59	0.0	0.0	0.0	-1153.80
							24.4	-165.39	484.66	0.0	0.0	0.0	-1114.18
							32.5	-165.39	478.74	0.0	0.0	0.0	-1075.05
							40.6	-165.39	472.82	0.0	0.0	0.0	-1036.39
							48.8	-165.39	466.89	0.0	0.0	0.0	-998.21
							56.9	-165.39	460.97	0.0	0.0	0.0	-960.52
							65.0	-165.39	455.05	0.0	0.0	0.0	-923.31
29	5	-494.20	0.0	-2.01e-04	-26.32	0.0	-73.97	273.53	0.0	0.0	0.0	-663.44	
		-663.44	0.0	0.0	0.0	8.1	-73.97	270.24	0.0	0.0	0.0	-641.35	
							16.3	-73.97	266.95	0.0	0.0	0.0	-619.53
							24.4	-73.97	263.66	0.0	0.0	0.0	-597.97
							32.5	-73.97	260.37	0.0	0.0	0.0	-576.68
							40.6	-73.97	257.08	0.0	0.0	0.0	-555.66
							48.8	-73.97	253.79	0.0	0.0	0.0	-534.91
							56.9	-73.97	250.50	0.0	0.0	0.0	-514.42
							65.0	-73.97	247.21	0.0	0.0	0.0	-494.20
29	6	-530.30	0.0	-1.07e-04	-26.32	0.0	-51.09	280.55	0.0	0.0	0.0	-704.10	
		-704.10	0.0	0.0	0.0	8.1	-51.09	277.26	0.0	0.0	0.0	-681.44	
							16.3	-51.09	273.97	0.0	0.0	0.0	-659.04
							24.4	-51.09	270.67	0.0	0.0	0.0	-636.92
							32.5	-51.09	267.38	0.0	0.0	0.0	-615.06
							40.6	-51.09	264.09	0.0	0.0	0.0	-593.47
							48.8	-51.09	260.80	0.0	0.0	0.0	-572.14
							56.9	-51.09	257.51	0.0	0.0	0.0	-551.09
							65.0	-51.09	254.22	0.0	0.0	0.0	-530.30
29	7	-478.01	0.0	-2.13e-04	-63.82	0.0	-84.04	344.13	0.0	0.0	0.0	-680.94	
		-680.94	0.0	0.0	0.0	8.1	-84.04	336.15	0.0	0.0	0.0	-653.31	
							16.3	-84.04	328.17	0.0	0.0	0.0	-626.32
							24.4	-84.04	320.19	0.0	0.0	0.0	-599.98
							32.5	-84.04	312.21	0.0	0.0	0.0	-574.29
							40.6	-84.04	304.24	0.0	0.0	0.0	-549.25
							48.8	-84.04	296.26	0.0	0.0	0.0	-524.85
							56.9	-84.04	288.28	0.0	0.0	0.0	-501.10
							65.0	-84.04	280.30	0.0	0.0	0.0	-478.01
29	8	-641.93	0.0	-2.35e-04	-36.08	0.0	-137.99	371.84	0.0	0.0	0.0	-871.90	
		-871.90	0.0	0.0	0.0	8.1	-137.99	367.33	0.0	0.0	0.0	-841.87	
							16.3	-137.99	362.82	0.0	0.0	0.0	-812.21
							24.4	-137.99	358.31	0.0	0.0	0.0	-782.92
							32.5	-137.99	353.80	0.0	0.0	0.0	-753.99
							40.6	-137.99	349.29	0.0	0.0	0.0	-725.42
							48.8	-137.99	344.78	0.0	0.0	0.0	-697.23
							56.9	-137.99	340.27	0.0	0.0	0.0	-669.40
							65.0	-137.99	335.76	0.0	0.0	0.0	-641.93
29	9	-264.43	0.0	-2.32e-04	-16.25	0.0	-16.09	161.68	0.0	0.0	0.0	-364.24	
		-364.24	0.0	0.0	0.0	8.1	-16.09	159.65	0.0	0.0	0.0	-351.18	
							16.3	-16.09	157.62	0.0	0.0	0.0	-338.29
							24.4	-16.09	155.58	0.0	0.0	0.0	-325.57
							32.5	-16.09	153.55	0.0	0.0	0.0	-313.01
							40.6	-16.09	151.52	0.0	0.0	0.0	-300.62
							48.8	-16.09	149.49	0.0	0.0	0.0	-288.39
							56.9	-16.09	147.46	0.0	0.0	0.0	-276.33
							65.0	-16.09	145.43	0.0	0.0	0.0	-264.43
29	10	-480.56	0.0	-2.91e-05	-22.10	0.0	-29.52	241.02	0.0	0.0	0.0	-630.04	
		-630.04	0.0	0.0	0.0	8.1	-29.52	238.26	0.0	0.0	0.0	-610.57	
							16.3	-29.52	235.50	0.0	0.0	0.0	-591.32
							24.4	-29.52	232.73	0.0	0.0	0.0	-572.30
							32.5	-29.52	229.97	0.0	0.0	0.0	-553.51
							40.6	-29.52	227.21	0.0	0.0	0.0	-534.93

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							48.8	-29.52	224.45	0.0	0.0	-516.58
							56.9	-29.52	221.68	0.0	0.0	-498.46
							65.0	-29.52	218.92	0.0	0.0	-480.56
29	11	-533.80	0.0	-9.44e-05	-22.10	0.0	6.63	250.21	0.0	0.0	0.0	-689.25
		-689.25	0.0	0.0	0.0	8.1	-6.63	247.45	0.0	0.0	0.0	-669.03
							16.3	-6.63	244.69	0.0	0.0	-649.04
							24.4	-6.63	241.92	0.0	0.0	-629.27
							32.5	-6.63	239.16	0.0	0.0	-609.73
							40.6	-6.63	236.40	0.0	0.0	-590.41
							48.8	-6.63	233.64	0.0	0.0	-571.31
							56.9	-6.63	230.87	0.0	0.0	-552.44
							65.0	-6.63	228.11	0.0	0.0	-533.80
29	12	-458.97	0.0	-4.48e-05	-72.10	0.0	42.94	335.14	0.0	0.0	0.0	-653.38
		-653.38	0.0	0.0	0.0	8.1	-42.94	326.13	0.0	0.0	0.0	-626.51
							16.3	-42.94	317.12	0.0	0.0	-600.38
							24.4	-42.94	308.11	0.0	0.0	-574.98
							32.5	-42.94	299.09	0.0	0.0	-550.31
							40.6	-42.94	290.08	0.0	0.0	-526.38
							48.8	-42.94	281.07	0.0	0.0	-503.18
							56.9	-42.94	272.06	0.0	0.0	-480.70
							65.0	-42.94	263.04	0.0	0.0	-458.97
29	13	-682.64	0.0	-7.66e-05	-35.10	0.0	-122.49	371.93	0.0	0.0	0.0	-912.99
		-912.99	0.0	0.0	0.0	8.1	-122.49	367.54	0.0	0.0	0.0	-882.95
							16.3	-122.49	363.16	0.0	0.0	-853.26
							24.4	-122.49	358.77	0.0	0.0	-823.94
							32.5	-122.49	354.38	0.0	0.0	-794.96
							40.6	-122.49	349.99	0.0	0.0	-766.35
							48.8	-122.49	345.61	0.0	0.0	-738.09
							56.9	-122.49	341.22	0.0	0.0	-710.19
							65.0	-122.49	336.83	0.0	0.0	-682.64
29	14	-455.53	0.0	-2.98e-05	-20.64	0.0	-25.50	226.53	0.0	0.0	0.0	-596.07
		-596.07	0.0	0.0	0.0	8.1	-25.50	223.95	0.0	0.0	0.0	-577.77
							16.3	-25.50	221.37	0.0	0.0	-559.68
							24.4	-25.50	218.79	0.0	0.0	-541.80
							32.5	-25.50	216.21	0.0	0.0	-524.13
							40.6	-25.50	213.63	0.0	0.0	-506.66
							48.8	-25.50	211.05	0.0	0.0	-489.41
							56.9	-25.50	208.47	0.0	0.0	-472.37
							65.0	-25.50	205.89	0.0	0.0	-455.53
29	15	-494.69	0.0	-6.32e-05	-20.64	0.0	-7.18	233.44	0.0	0.0	0.0	-639.73
		-639.73	0.0	0.0	0.0	8.1	-7.18	230.86	0.0	0.0	0.0	-620.86
							16.3	-7.18	228.28	0.0	0.0	-602.21
							24.4	-7.18	225.71	0.0	0.0	-583.77
							32.5	-7.18	223.13	0.0	0.0	-565.53
							40.6	-7.18	220.55	0.0	0.0	-547.51
							48.8	-7.18	217.97	0.0	0.0	-529.69
							56.9	-7.18	215.39	0.0	0.0	-512.09
							65.0	-7.18	212.81	0.0	0.0	-494.69
29	16	-439.34	0.0	-4.16e-05	-58.14	0.0	-35.56	297.12	0.0	0.0	0.0	-613.57
		-613.57	0.0	0.0	0.0	8.1	-35.56	289.85	0.0	0.0	0.0	-589.73
							16.3	-35.56	282.59	0.0	0.0	-566.47
							24.4	-35.56	275.32	0.0	0.0	-543.81
							32.5	-35.56	268.05	0.0	0.0	-521.73
							40.6	-35.56	260.78	0.0	0.0	-500.25
							48.8	-35.56	253.52	0.0	0.0	-479.35
							56.9	-35.56	246.25	0.0	0.0	-459.05
							65.0	-35.56	238.98	0.0	0.0	-439.34
29	17	-606.33	0.0	-6.50e-05	-30.39	0.0	-94.08	324.73	0.0	0.0	0.0	-807.53
		-807.53	0.0	0.0	0.0	8.1	-94.08	320.94	0.0	0.0	0.0	-781.30
							16.3	-94.08	317.14	0.0	0.0	-755.38
							24.4	-94.08	313.34	0.0	0.0	-729.77
							32.5	-94.08	309.54	0.0	0.0	-704.46
							40.6	-94.08	305.74	0.0	0.0	-679.47
							48.8	-94.08	301.94	0.0	0.0	-654.78
							56.9	-94.08	298.15	0.0	0.0	-630.40
							65.0	-94.08	294.35	0.0	0.0	-606.33
29	18	-380.31	0.0	-3.42e-05	-16.25	0.0	-20.21	182.02	0.0	0.0	0.0	-493.34
		-493.34	0.0	0.0	0.0	8.1	-20.21	179.99	0.0	0.0	0.0	-478.63
							16.3	-20.21	177.96	0.0	0.0	-464.09
							24.4	-20.21	175.92	0.0	0.0	-449.71
							32.5	-20.21	173.89	0.0	0.0	-435.50
							40.6	-20.21	171.86	0.0	0.0	-421.46
							48.8	-20.21	169.83	0.0	0.0	-407.58
							56.9	-20.21	167.80	0.0	0.0	-393.86

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
32	1	393.84	0.0	-7.10e-03	-228.35	65.0	-20.21	165.77	0.0	0.0	0.0	-380.31	
		-699.88	0.0	0.0	0.0	0.0	62.2	-80.70	-105.67	0.0	0.0	393.84	
							124.4	-80.70	-162.75	0.0	0.0	0.0	226.91
							186.6	-80.70	-191.30	0.0	0.0	0.0	116.83
							248.8	-80.70	-219.84	0.0	0.0	0.0	-11.01
							310.9	-80.70	-248.39	0.0	0.0	0.0	-156.60
							373.1	-80.70	-276.93	0.0	0.0	0.0	-319.94
							435.3	-80.70	-305.47	0.0	0.0	0.0	-501.03
							497.5	-80.70	-334.02	0.0	0.0	0.0	-699.88
		32	2	780.98	0.0	-9.36e-03	-228.35	0.0	-51.52	-216.84	0.0	0.0	0.0
-865.83	0.0			0.0	0.0	0.0	62.2	-51.52	-245.38	0.0	0.0	637.25	
							124.4	-51.52	-273.93	0.0	0.0	0.0	475.78
							186.6	-51.52	-302.47	0.0	0.0	0.0	296.56
							248.8	-51.52	-331.02	0.0	0.0	0.0	99.58
							310.9	-51.52	-359.56	0.0	0.0	0.0	-115.14
							373.1	-51.52	-388.10	0.0	0.0	0.0	-347.62
							435.3	-51.52	-416.65	0.0	0.0	0.0	-597.85
							497.5	-51.52	-445.19	0.0	0.0	0.0	-865.83
32	3			411.40	0.0	-5.06e-03	-228.35	0.0	-46.99	-71.91	0.0	0.0	0.0
		-514.40	0.0	0.0	0.0	0.0	62.2	-46.99	-100.46	0.0	0.0	357.80	
							124.4	-46.99	-129.00	0.0	0.0	0.0	286.45
							186.6	-46.99	-157.54	0.0	0.0	0.0	197.36
							248.8	-46.99	-186.09	0.0	0.0	0.0	90.51
							310.9	-46.99	-214.63	0.0	0.0	0.0	-34.09
							373.1	-46.99	-243.18	0.0	0.0	0.0	-176.44
							435.3	-46.99	-271.72	0.0	0.0	0.0	-336.54
							497.5	-46.99	-300.27	0.0	0.0	0.0	-514.40
		32	4	654.90	0.0	-8.12e-03	-362.68	0.0	-190.35	-126.70	0.0	0.0	0.0
-877.61	0.0			0.0	0.0	0.0	62.2	-190.35	-172.04	0.0	0.0	562.01	
							124.4	-190.35	-217.37	0.0	0.0	0.0	440.92
							186.6	-190.35	-262.71	0.0	0.0	0.0	291.65
							248.8	-190.35	-308.04	0.0	0.0	0.0	114.18
							310.9	-190.35	-353.38	0.0	0.0	0.0	-91.48
							373.1	-190.35	-398.71	0.0	0.0	0.0	-325.33
							435.3	-190.35	-444.05	0.0	0.0	0.0	-587.38
							497.5	-190.35	-489.38	0.0	0.0	0.0	-877.61
32	5			328.53	0.0	-5.49e-03	-201.49	0.0	-180.05	-99.89	0.0	0.0	0.0
		-669.62	0.0	0.0	0.0	0.0	62.2	-180.05	-125.08	0.0	0.0	258.58	
							124.4	-180.05	-150.26	0.0	0.0	0.0	172.97
							186.6	-180.05	-175.45	0.0	0.0	0.0	71.69
							248.8	-180.05	-200.63	0.0	0.0	0.0	-45.24
							310.9	-180.05	-225.82	0.0	0.0	0.0	-177.85
							373.1	-180.05	-251.01	0.0	0.0	0.0	-326.11
							435.3	-180.05	-276.19	0.0	0.0	0.0	-490.03
							497.5	-180.05	-301.38	0.0	0.0	0.0	-669.62
		32	6	548.24	0.0	-6.73e-03	-201.49	0.0	-156.65	-162.88	0.0	0.0	0.0
-763.30	0.0			0.0	0.0	0.0	62.2	-156.65	-188.07	0.0	0.0	439.12	
							124.4	-156.65	-213.25	0.0	0.0	0.0	314.33
							186.6	-156.65	-238.44	0.0	0.0	0.0	173.88
							248.8	-156.65	-263.63	0.0	0.0	0.0	17.77
							310.9	-156.65	-288.81	0.0	0.0	0.0	-154.00
							373.1	-156.65	-314.00	0.0	0.0	0.0	-341.44
							435.3	-156.65	-339.18	0.0	0.0	0.0	-544.54
							497.5	-156.65	-364.37	0.0	0.0	0.0	-763.30
32	7			338.29	0.0	-4.36e-03	-201.49	0.0	-161.32	-81.14	0.0	0.0	0.0
		-566.58	0.0	0.0	0.0	0.0	62.2	-161.32	-106.32	0.0	0.0	280.00	
							124.4	-161.32	-131.51	0.0	0.0	0.0	206.05
							186.6	-161.32	-156.70	0.0	0.0	0.0	116.43
							248.8	-161.32	-181.88	0.0	0.0	0.0	11.15
							310.9	-161.32	-207.07	0.0	0.0	0.0	-109.78
							373.1	-161.32	-232.25	0.0	0.0	0.0	-246.39
							435.3	-161.32	-257.44	0.0	0.0	0.0	-398.65
							497.5	-161.32	-282.63	0.0	0.0	0.0	-566.58
		32	8	478.20	0.0	-6.05e-03	-276.11	0.0	-233.78	-112.81	0.0	0.0	0.0
-769.85	0.0			0.0	0.0	0.0	62.2	-233.78	-147.32	0.0	0.0	397.31	
							124.4	-233.78	-181.83	0.0	0.0	0.0	294.97
							186.6	-233.78	-216.35	0.0	0.0	0.0	171.16
							248.8	-233.78	-250.86	0.0	0.0	0.0	25.88
							310.9	-233.78	-285.38	0.0	0.0	0.0	-140.85
							373.1	-233.78	-319.89	0.0	0.0	0.0	-329.05
							435.3	-233.78	-354.40	0.0	0.0	0.0	-538.72
							497.5	-233.78	-388.92	0.0	0.0	0.0	-769.85
32	9			188.95	0.0	-2.64e-03	-124.38	0.0	-87.06	-60.56	0.0	0.0	0.0

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		-421.74	0.0	0.0	0.0	62.2	-87.06	-76.11	0.0	0.0	0.0	146.45
						124.4	-87.06	-91.66	0.0	0.0	0.0	94.29
						186.6	-87.06	-107.20	0.0	0.0	0.0	32.46
						248.8	-87.06	-122.75	0.0	0.0	0.0	-39.05
						310.9	-87.06	-138.30	0.0	0.0	0.0	-120.22
						373.1	-87.06	-153.85	0.0	0.0	0.0	-211.06
						435.3	-87.06	-169.39	0.0	0.0	0.0	-311.56
						497.5	-87.06	-184.94	0.0	0.0	0.0	-421.74
32	10	290.46	0.0	-5.26e-03	-169.15	0.0	-61.72	-78.06	0.0	0.0	0.0	290.46
		-518.65	0.0	0.0	0.0	62.2	-61.72	-99.20	0.0	0.0	0.0	235.34
						124.4	-61.72	-120.35	0.0	0.0	0.0	167.07
						186.6	-61.72	-141.49	0.0	0.0	0.0	85.66
						248.8	-61.72	-162.63	0.0	0.0	0.0	-8.91
						310.9	-61.72	-183.78	0.0	0.0	0.0	-116.62
						373.1	-61.72	-204.92	0.0	0.0	0.0	-237.48
						435.3	-61.72	-226.07	0.0	0.0	0.0	-371.49
						497.5	-61.72	-247.21	0.0	0.0	0.0	-518.65
32	11	578.44	0.0	-6.93e-03	-169.15	0.0	-38.22	-160.73	0.0	0.0	0.0	578.44
		-641.96	0.0	0.0	0.0	62.2	-38.22	-181.87	0.0	0.0	0.0	471.91
						124.4	-38.22	-203.02	0.0	0.0	0.0	352.23
						186.6	-38.22	-224.16	0.0	0.0	0.0	219.40
						248.8	-38.22	-245.31	0.0	0.0	0.0	73.43
						310.9	-38.22	-266.45	0.0	0.0	0.0	-85.70
						373.1	-38.22	-287.59	0.0	0.0	0.0	-257.97
						435.3	-38.22	-308.74	0.0	0.0	0.0	-443.39
						497.5	-38.22	-329.88	0.0	0.0	0.0	-641.96
32	12	303.46	0.0	-3.75e-03	-169.15	0.0	-36.75	-53.06	0.0	0.0	0.0	303.46
		-381.25	0.0	0.0	0.0	62.2	-36.75	-74.20	0.0	0.0	0.0	263.89
						124.4	-36.75	-95.34	0.0	0.0	0.0	211.18
						186.6	-36.75	-116.49	0.0	0.0	0.0	145.31
						248.8	-36.75	-137.63	0.0	0.0	0.0	66.29
						310.9	-36.75	-158.78	0.0	0.0	0.0	-25.87
						373.1	-36.75	-179.92	0.0	0.0	0.0	-131.18
						435.3	-36.75	-201.06	0.0	0.0	0.0	-249.64
						497.5	-36.75	-222.21	0.0	0.0	0.0	-381.25
32	13	485.05	0.0	-6.01e-03	-268.65	0.0	-141.06	-93.96	0.0	0.0	0.0	485.05
		-650.69	0.0	0.0	0.0	62.2	-141.06	-127.55	0.0	0.0	0.0	416.17
						124.4	-141.06	-161.13	0.0	0.0	0.0	326.41
						186.6	-141.06	-194.71	0.0	0.0	0.0	215.77
						248.8	-141.06	-228.29	0.0	0.0	0.0	84.24
						310.9	-141.06	-261.87	0.0	0.0	0.0	-68.17
						373.1	-141.06	-295.45	0.0	0.0	0.0	-241.46
						435.3	-141.06	-329.03	0.0	0.0	0.0	-435.63
						497.5	-141.06	-362.61	0.0	0.0	0.0	-650.69
32	14	272.11	0.0	-4.73e-03	-157.96	0.0	-47.34	-70.08	0.0	0.0	0.0	272.11
		-469.47	0.0	0.0	0.0	62.2	-47.34	-89.83	0.0	0.0	0.0	222.39
						124.4	-47.34	-109.57	0.0	0.0	0.0	160.39
						186.6	-47.34	-129.32	0.0	0.0	0.0	86.11
						248.8	-47.34	-149.06	0.0	0.0	0.0	-0.45
						310.9	-47.34	-168.80	0.0	0.0	0.0	-99.29
						373.1	-47.34	-188.55	0.0	0.0	0.0	-210.40
						435.3	-47.34	-208.29	0.0	0.0	0.0	-333.79
						497.5	-47.34	-228.04	0.0	0.0	0.0	-469.47
32	15	488.84	0.0	-5.98e-03	-157.96	0.0	-28.57	-132.28	0.0	0.0	0.0	488.84
		-562.19	0.0	0.0	0.0	62.2	-28.57	-152.03	0.0	0.0	0.0	400.43
						124.4	-28.57	-171.77	0.0	0.0	0.0	299.75
						186.6	-28.57	-191.52	0.0	0.0	0.0	186.79
						248.8	-28.57	-211.26	0.0	0.0	0.0	61.55
						310.9	-28.57	-231.01	0.0	0.0	0.0	-75.96
						373.1	-28.57	-250.75	0.0	0.0	0.0	-225.76
						435.3	-28.57	-270.50	0.0	0.0	0.0	-387.84
						497.5	-28.57	-290.24	0.0	0.0	0.0	-562.19
32	16	281.86	0.0	-3.60e-03	-157.96	0.0	-28.62	-51.33	0.0	0.0	0.0	281.86
		-366.42	0.0	0.0	0.0	62.2	-28.62	-71.07	0.0	0.0	0.0	243.80
						124.4	-28.62	-90.82	0.0	0.0	0.0	193.46
						186.6	-28.62	-110.56	0.0	0.0	0.0	130.85
						248.8	-28.62	-130.31	0.0	0.0	0.0	55.95
						310.9	-28.62	-150.05	0.0	0.0	0.0	-31.23
						373.1	-28.62	-169.80	0.0	0.0	0.0	-130.68
						435.3	-28.62	-189.54	0.0	0.0	0.0	-242.41
						497.5	-28.62	-209.29	0.0	0.0	0.0	-366.42
32	17	418.79	0.0	-5.30e-03	-232.58	0.0	-105.70	-82.21	0.0	0.0	0.0	418.79
		-568.74	0.0	0.0	0.0	62.2	-105.70	-111.28	0.0	0.0	0.0	358.63
						124.4	-105.70	-140.35	0.0	0.0	0.0	280.39

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							186.6	-105.70	-169.43	0.0	0.0	184.07
							248.8	-105.70	-198.50	0.0	0.0	69.66
							310.9	-105.70	-227.57	0.0	0.0	-62.82
							373.1	-105.70	-256.64	0.0	0.0	-213.38
							435.3	-105.70	-285.72	0.0	0.0	-382.02
							497.5	-105.70	-314.79	0.0	0.0	-568.74
32	18	212.37	0.0	-3.17e-03	-124.38	0.0	-11.36	-45.37	0.0	0.0	0.0	212.37
		-322.74	0.0	0.0	0.0	62.2	-11.36	-60.92	0.0	0.0	0.0	179.32
							124.4	-11.36	-76.46	0.0	0.0	136.60
							186.6	-11.36	-92.01	0.0	0.0	84.22
							248.8	-11.36	-107.56	0.0	0.0	22.16
							310.9	-11.36	-123.11	0.0	0.0	-49.56
							373.1	-11.36	-138.65	0.0	0.0	-130.95
							435.3	-11.36	-154.20	0.0	0.0	-222.01
							497.5	-11.36	-169.75	0.0	0.0	-322.74
33	1	515.45	0.0	-7.25e-04	-59.67	0.0	-80.70	13.67	0.0	0.0	0.0	513.43
		492.42	0.0	0.0	0.0	16.3	-80.70	6.22	0.0	0.0	0.0	515.04
							32.5	-80.70	-1.24	0.0	0.0	515.45
							48.8	-80.70	-8.70	0.0	0.0	514.64
							65.0	-80.70	-16.16	0.0	0.0	512.62
							81.3	-80.70	-23.62	0.0	0.0	509.39
							97.5	-80.70	-31.08	0.0	0.0	504.94
							113.8	-80.70	-38.54	0.0	0.0	499.29
							130.0	-80.70	-46.00	0.0	0.0	492.42
33	2	937.96	0.0	-1.91e-04	-194.66	0.0	-51.52	172.49	0.0	0.0	0.0	838.63
		838.63	0.0	0.0	0.0	16.3	-51.52	148.16	0.0	0.0	0.0	864.68
							32.5	-51.52	123.82	0.0	0.0	886.78
							48.8	-51.52	99.49	0.0	0.0	904.92
							65.0	-51.52	75.16	0.0	0.0	919.12
							81.3	-51.52	50.82	0.0	0.0	929.35
							97.5	-51.52	26.49	0.0	0.0	935.63
							113.8	-51.52	2.16	0.0	0.0	937.96
							130.0	-51.52	-22.17	0.0	0.0	936.33
33	3	467.72	0.0	-9.83e-05	-59.67	0.0	-46.99	47.43	0.0	0.0	0.0	443.23
		443.23	0.0	0.0	0.0	16.3	-46.99	39.97	0.0	0.0	0.0	450.33
							32.5	-46.99	32.51	0.0	0.0	456.22
							48.8	-46.99	25.05	0.0	0.0	460.89
							65.0	-46.99	17.59	0.0	0.0	464.36
							81.3	-46.99	10.13	0.0	0.0	466.61
							97.5	-46.99	2.67	0.0	0.0	467.65
							113.8	-46.99	-4.78	0.0	0.0	467.48
							130.0	-46.99	-12.24	0.0	0.0	466.10
33	4	764.97	0.0	-2.01e-04	-94.77	0.0	-190.35	62.84	0.0	0.0	0.0	737.93
		737.93	0.0	0.0	0.0	16.3	-190.35	50.99	0.0	0.0	0.0	747.17
							32.5	-190.35	39.14	0.0	0.0	754.50
							48.8	-190.35	27.30	0.0	0.0	759.90
							65.0	-190.35	15.45	0.0	0.0	763.37
							81.3	-190.35	3.60	0.0	0.0	764.92
							97.5	-190.35	-8.24	0.0	0.0	764.54
							113.8	-190.35	-20.09	0.0	0.0	762.24
							130.0	-190.35	-31.93	0.0	0.0	758.01
33	5	451.70	0.0	-5.27e-04	-52.65	0.0	-180.05	5.41	0.0	0.0	0.0	451.36
		424.17	0.0	0.0	0.0	16.3	-180.05	-1.17	0.0	0.0	0.0	451.70
							32.5	-180.05	-7.75	0.0	0.0	450.98
							48.8	-180.05	-14.33	0.0	0.0	449.18
							65.0	-180.05	-20.92	0.0	0.0	446.32
							81.3	-180.05	-27.50	0.0	0.0	442.39
							97.5	-180.05	-34.08	0.0	0.0	437.38
							113.8	-180.05	-40.66	0.0	0.0	431.31
							130.0	-180.05	-47.24	0.0	0.0	424.17
33	6	683.28	0.0	-2.04e-04	-127.65	0.0	-156.65	92.41	0.0	0.0	0.0	639.85
		639.85	0.0	0.0	0.0	16.3	-156.65	76.46	0.0	0.0	0.0	653.57
							32.5	-156.65	60.50	0.0	0.0	664.70
							48.8	-156.65	44.54	0.0	0.0	673.23
							65.0	-156.65	28.59	0.0	0.0	679.18
							81.3	-156.65	12.63	0.0	0.0	682.52
							97.5	-156.65	-3.32	0.0	0.0	683.28
							113.8	-156.65	-19.28	0.0	0.0	681.44
							130.0	-156.65	-35.23	0.0	0.0	677.02
33	7	419.55	0.0	-1.64e-04	-52.65	0.0	-161.32	24.16	0.0	0.0	0.0	412.36
		409.55	0.0	0.0	0.0	16.3	-161.32	17.58	0.0	0.0	0.0	415.75
							32.5	-161.32	11.00	0.0	0.0	418.07
							48.8	-161.32	4.42	0.0	0.0	419.33
							65.0	-161.32	-2.16	0.0	0.0	419.51

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							81.3	-161.32	-8.75	0.0	0.0	418.62
							97.5	-161.32	-15.33	0.0	0.0	416.67
							113.8	-161.32	-21.91	0.0	0.0	413.64
							130.0	-161.32	-28.49	0.0	0.0	409.55
33	8	592.84	0.0	-2.16e-04	-72.15	0.0	-233.78	31.49	0.0	0.0	0.0	583.90
		577.95	0.0	0.0	0.0	16.3	-233.78	22.47	0.0	0.0	0.0	588.29
							32.5	-233.78	13.46	0.0	0.0	591.21
							48.8	-233.78	4.44	0.0	0.0	592.66
							65.0	-233.78	-4.58	0.0	0.0	592.65
							81.3	-233.78	-13.60	0.0	0.0	591.17
							97.5	-233.78	-22.62	0.0	0.0	588.23
							113.8	-233.78	-31.64	0.0	0.0	583.82
							130.0	-233.78	-40.66	0.0	0.0	577.95
33	9	262.31	0.0	-1.81e-04	-32.50	0.0	-72.70	4.44	0.0	0.0	0.0	261.92
		246.56	0.0	0.0	0.0	16.3	-72.70	0.37	0.0	0.0	0.0	262.31
							32.5	-72.70	-3.69	0.0	0.0	262.04
							48.8	-72.70	-7.75	0.0	0.0	261.11
							65.0	-72.70	-11.81	0.0	0.0	259.52
							81.3	-72.70	-15.88	0.0	0.0	257.27
							97.5	-72.70	-19.94	0.0	0.0	254.36
							113.8	-72.70	-24.00	0.0	0.0	250.79
							130.0	-72.70	-28.06	0.0	0.0	246.56
33	10	380.05	0.0	-5.41e-04	-44.20	0.0	-61.72	10.34	0.0	0.0	0.0	378.49
		363.20	0.0	0.0	0.0	16.3	-61.72	4.82	0.0	0.0	0.0	379.72
							32.5	-61.72	-0.71	0.0	0.0	380.05
							48.8	-61.72	-6.23	0.0	0.0	379.49
							65.0	-61.72	-11.76	0.0	0.0	378.03
							81.3	-61.72	-17.28	0.0	0.0	375.67
							97.5	-61.72	-22.81	0.0	0.0	372.41
							113.8	-61.72	-28.33	0.0	0.0	368.26
							130.0	-61.72	-33.86	0.0	0.0	363.20
33	11	694.88	0.0	-1.43e-04	-144.20	0.0	-38.22	127.66	0.0	0.0	0.0	621.43
		621.43	0.0	0.0	0.0	16.3	-38.22	109.64	0.0	0.0	0.0	640.71
							32.5	-38.22	91.61	0.0	0.0	657.06
							48.8	-38.22	73.59	0.0	0.0	670.48
							65.0	-38.22	55.56	0.0	0.0	680.98
							81.3	-38.22	37.54	0.0	0.0	688.54
							97.5	-38.22	19.51	0.0	0.0	693.18
							113.8	-38.22	1.49	0.0	0.0	694.88
							130.0	-38.22	-16.54	0.0	0.0	693.66
33	12	344.85	0.0	-7.55e-05	-44.20	0.0	-36.75	35.34	0.0	0.0	0.0	326.49
		326.49	0.0	0.0	0.0	16.3	-36.75	29.82	0.0	0.0	0.0	331.78
							32.5	-36.75	24.29	0.0	0.0	336.18
							48.8	-36.75	18.77	0.0	0.0	339.68
							65.0	-36.75	13.24	0.0	0.0	342.28
							81.3	-36.75	7.72	0.0	0.0	343.98
							97.5	-36.75	2.19	0.0	0.0	344.79
							113.8	-36.75	-3.33	0.0	0.0	344.70
							130.0	-36.75	-8.86	0.0	0.0	343.71
33	13	566.77	0.0	-1.51e-04	-70.20	0.0	-141.06	46.44	0.0	0.0	0.0	546.83
		546.83	0.0	0.0	0.0	16.3	-141.06	37.66	0.0	0.0	0.0	553.67
							32.5	-141.06	28.89	0.0	0.0	559.07
							48.8	-141.06	20.11	0.0	0.0	563.05
							65.0	-141.06	11.34	0.0	0.0	565.61
							81.3	-141.06	2.56	0.0	0.0	566.74
							97.5	-141.06	-6.21	0.0	0.0	566.44
							113.8	-141.06	-14.99	0.0	0.0	564.72
							130.0	-141.06	-23.76	0.0	0.0	561.57
33	14	349.45	0.0	-4.51e-04	-41.27	0.0	-47.34	12.47	0.0	0.0	0.0	347.01
		336.39	0.0	0.0	0.0	16.3	-47.34	7.31	0.0	0.0	0.0	348.61
							32.5	-47.34	2.15	0.0	0.0	349.38
							48.8	-47.34	-3.01	0.0	0.0	349.31
							65.0	-47.34	-8.17	0.0	0.0	348.40
							81.3	-47.34	-13.33	0.0	0.0	346.66
							97.5	-47.34	-18.49	0.0	0.0	344.07
							113.8	-47.34	-23.65	0.0	0.0	340.65
							130.0	-47.34	-28.81	0.0	0.0	336.39
33	15	586.65	0.0	-1.43e-04	-116.27	0.0	-28.57	100.26	0.0	0.0	0.0	530.47
		530.47	0.0	0.0	0.0	16.3	-28.57	85.73	0.0	0.0	0.0	545.58
							32.5	-28.57	71.19	0.0	0.0	558.33
							48.8	-28.57	56.66	0.0	0.0	568.72
							65.0	-28.57	42.12	0.0	0.0	576.74
							81.3	-28.57	27.59	0.0	0.0	582.41
							97.5	-28.57	13.06	0.0	0.0	585.71

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							113.8	-28.57	-1.48	0.0	0.0	586.65
							130.0	-28.57	-16.01	0.0	0.0	585.23
33	16	323.35	0.0	-9.47e-05	-41.27	0.0	-28.62	31.22	0.0	0.0	0.0	308.01
		308.01	0.0	0.0	0.0	16.3	-28.62	26.06	0.0	0.0	0.0	312.66
							32.5	-28.62	20.90	0.0	0.0	316.48
							48.8	-28.62	15.74	0.0	0.0	319.45
							65.0	-28.62	10.58	0.0	0.0	321.59
							81.3	-28.62	5.42	0.0	0.0	322.89
							97.5	-28.62	0.26	0.0	0.0	323.35
							113.8	-28.62	-4.90	0.0	0.0	322.98
							130.0	-28.62	-10.06	0.0	0.0	321.76
33	17	491.06	0.0	-1.51e-04	-60.77	0.0	-105.70	39.34	0.0	0.0	0.0	474.52
		474.52	0.0	0.0	0.0	16.3	-105.70	31.74	0.0	0.0	0.0	480.30
							32.5	-105.70	24.15	0.0	0.0	484.84
							48.8	-105.70	16.55	0.0	0.0	488.15
							65.0	-105.70	8.95	0.0	0.0	490.22
							81.3	-105.70	1.36	0.0	0.0	491.06
							97.5	-105.70	-6.24	0.0	0.0	490.66
							113.8	-105.70	-13.84	0.0	0.0	489.03
							130.0	-105.70	-21.43	0.0	0.0	486.16
33	18	253.53	0.0	-1.96e-04	-32.50	0.0	-11.36	19.63	0.0	0.0	0.0	245.83
		245.83	0.0	0.0	0.0	16.3	-11.36	15.57	0.0	0.0	0.0	248.69
							32.5	-11.36	11.50	0.0	0.0	250.89
							48.8	-11.36	7.44	0.0	0.0	252.43
							65.0	-11.36	3.38	0.0	0.0	253.31
							81.3	-11.36	-0.68	0.0	0.0	253.53
							97.5	-11.36	-4.75	0.0	0.0	253.09
							113.8	-11.36	-8.81	0.0	0.0	251.99
							130.0	-11.36	-12.87	0.0	0.0	250.23
34	1	513.43	0.0	-1.07e-03	-168.68	0.0	-80.70	182.36	0.0	0.0	0.0	153.22
		153.22	0.0	0.0	0.0	45.9	-80.70	161.27	0.0	0.0	0.0	232.15
							91.9	-80.70	140.19	0.0	0.0	301.39
							137.8	-80.70	119.10	0.0	0.0	360.94
							183.8	-80.70	98.02	0.0	0.0	410.81
							229.7	-80.70	76.93	0.0	0.0	450.99
							275.6	-80.70	55.84	0.0	0.0	481.49
							321.6	-80.70	34.76	0.0	0.0	502.30
							367.5	-80.70	13.67	0.0	0.0	513.43
34	2	838.63	0.0	-3.99e-03	-168.68	0.0	-51.52	341.17	0.0	0.0	0.0	-105.22
		-105.22	0.0	0.0	0.0	45.9	-51.52	320.09	0.0	0.0	0.0	46.66
							91.9	-51.52	299.00	0.0	0.0	188.86
							137.8	-51.52	277.92	0.0	0.0	321.37
							183.8	-51.52	256.83	0.0	0.0	444.19
							229.7	-51.52	235.75	0.0	0.0	557.33
							275.6	-51.52	214.66	0.0	0.0	660.78
							321.6	-51.52	193.58	0.0	0.0	754.55
							367.5	-51.52	172.49	0.0	0.0	838.63
34	3	443.23	0.0	-2.21e-03	-168.68	0.0	-46.99	216.11	0.0	0.0	0.0	-41.02
		-41.02	0.0	0.0	0.0	45.9	-46.99	195.02	0.0	0.0	0.0	53.41
							91.9	-46.99	173.94	0.0	0.0	138.16
							137.8	-46.99	152.85	0.0	0.0	213.22
							183.8	-46.99	131.77	0.0	0.0	278.59
							229.7	-46.99	110.68	0.0	0.0	334.28
							275.6	-46.99	89.60	0.0	0.0	380.28
							321.6	-46.99	68.51	0.0	0.0	416.60
							367.5	-46.99	47.43	0.0	0.0	443.23
34	4	737.93	0.0	-3.64e-03	-267.91	0.0	-190.35	330.74	0.0	0.0	0.0	14.72
		14.72	0.0	0.0	0.0	45.9	-190.35	297.26	0.0	0.0	0.0	158.97
							91.9	-190.35	263.77	0.0	0.0	287.83
							137.8	-190.35	230.28	0.0	0.0	401.30
							183.8	-190.35	196.79	0.0	0.0	499.39
							229.7	-190.35	163.30	0.0	0.0	582.10
							275.6	-190.35	129.81	0.0	0.0	649.43
							321.6	-190.35	96.32	0.0	0.0	701.37
							367.5	-190.35	62.84	0.0	0.0	737.93
34	5	451.36	0.0	-1.22e-03	-148.84	0.0	-180.05	154.25	0.0	0.0	0.0	157.99
		157.99	0.0	0.0	0.0	45.9	-180.05	135.64	0.0	0.0	0.0	224.58
							91.9	-180.05	117.04	0.0	0.0	282.61
							137.8	-180.05	98.43	0.0	0.0	332.10
							183.8	-180.05	79.83	0.0	0.0	373.05
							229.7	-180.05	61.22	0.0	0.0	405.45
							275.6	-180.05	42.62	0.0	0.0	429.30
							321.6	-180.05	24.01	0.0	0.0	444.60
							367.5	-180.05	5.41	0.0	0.0	451.36



Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
34	6	639.85	0.0	-2.96e-03	-148.84	0.0	-156.65	241.25	0.0	0.0	0.0	26.75
		26.75	0.0	0.0	0.0	45.9	-156.65	222.65	0.0	0.0	0.0	133.30
						91.9	-156.65	204.04	0.0	0.0	0.0	231.30
						137.8	-156.65	185.44	0.0	0.0	0.0	320.76
						183.8	-156.65	166.83	0.0	0.0	0.0	401.67
						229.7	-156.65	148.23	0.0	0.0	0.0	474.03
						275.6	-156.65	129.62	0.0	0.0	0.0	537.85
						321.6	-156.65	111.02	0.0	0.0	0.0	593.12
						367.5	-156.65	92.41	0.0	0.0	0.0	639.85
34	7	412.36	0.0	-1.87e-03	-148.84	0.0	-161.32	173.00	0.0	0.0	0.0	50.08
		50.08	0.0	0.0	0.0	45.9	-161.32	154.39	0.0	0.0	0.0	125.28
						91.9	-161.32	135.79	0.0	0.0	0.0	191.93
						137.8	-161.32	117.18	0.0	0.0	0.0	250.03
						183.8	-161.32	98.58	0.0	0.0	0.0	299.59
						229.7	-161.32	79.98	0.0	0.0	0.0	340.60
						275.6	-161.32	61.37	0.0	0.0	0.0	373.07
						321.6	-161.32	42.77	0.0	0.0	0.0	396.99
						367.5	-161.32	24.16	0.0	0.0	0.0	412.36
34	8	583.90	0.0	-2.77e-03	-203.96	0.0	-233.78	235.46	0.0	0.0	0.0	93.38
		93.38	0.0	0.0	0.0	45.9	-233.78	209.96	0.0	0.0	0.0	195.69
						91.9	-233.78	184.47	0.0	0.0	0.0	286.29
						137.8	-233.78	158.97	0.0	0.0	0.0	365.17
						183.8	-233.78	133.47	0.0	0.0	0.0	432.34
						229.7	-233.78	107.98	0.0	0.0	0.0	487.80
						275.6	-233.78	82.48	0.0	0.0	0.0	531.54
						321.6	-233.78	56.99	0.0	0.0	0.0	563.58
						367.5	-233.78	31.49	0.0	0.0	0.0	583.90
34	9	261.92	0.0	-1.01e-03	-91.88	0.0	-64.65	96.31	0.0	0.0	0.0	76.79
		76.79	0.0	0.0	0.0	45.9	-64.65	84.83	0.0	0.0	0.0	118.40
						91.9	-64.65	73.34	0.0	0.0	0.0	154.73
						137.8	-64.65	61.86	0.0	0.0	0.0	185.78
						183.8	-64.65	50.37	0.0	0.0	0.0	211.56
						229.7	-64.65	38.89	0.0	0.0	0.0	232.06
						275.6	-64.65	27.40	0.0	0.0	0.0	247.29
						321.6	-64.65	15.92	0.0	0.0	0.0	257.24
						367.5	-64.65	4.44	0.0	0.0	0.0	261.92
34	10	378.49	0.0	-7.74e-04	-124.95	0.0	-61.72	135.29	0.0	0.0	0.0	110.89
		110.89	0.0	0.0	0.0	45.9	-61.72	119.67	0.0	0.0	0.0	169.45
						91.9	-61.72	104.05	0.0	0.0	0.0	220.84
						137.8	-61.72	88.43	0.0	0.0	0.0	265.05
						183.8	-61.72	72.82	0.0	0.0	0.0	302.09
						229.7	-61.72	57.20	0.0	0.0	0.0	331.95
						275.6	-61.72	41.58	0.0	0.0	0.0	354.64
						321.6	-61.72	25.96	0.0	0.0	0.0	370.15
						367.5	-61.72	10.34	0.0	0.0	0.0	378.49
34	11	621.43	0.0	-2.95e-03	-124.95	0.0	-38.22	252.61	0.0	0.0	0.0	-77.32
		-77.32	0.0	0.0	0.0	45.9	-38.22	236.99	0.0	0.0	0.0	35.14
						91.9	-38.22	221.37	0.0	0.0	0.0	140.42
						137.8	-38.22	205.75	0.0	0.0	0.0	238.52
						183.8	-38.22	190.14	0.0	0.0	0.0	329.45
						229.7	-38.22	174.52	0.0	0.0	0.0	413.21
						275.6	-38.22	158.90	0.0	0.0	0.0	489.79
						321.6	-38.22	143.28	0.0	0.0	0.0	559.20
						367.5	-38.22	127.66	0.0	0.0	0.0	621.43
34	12	326.49	0.0	-1.61e-03	-124.95	0.0	-36.75	160.29	0.0	0.0	0.0	-32.99
		-32.99	0.0	0.0	0.0	45.9	-36.75	144.67	0.0	0.0	0.0	37.05
						91.9	-36.75	129.06	0.0	0.0	0.0	99.93
						137.8	-36.75	113.44	0.0	0.0	0.0	155.62
						183.8	-36.75	97.82	0.0	0.0	0.0	204.15
						229.7	-36.75	82.20	0.0	0.0	0.0	245.49
						275.6	-36.75	66.58	0.0	0.0	0.0	279.67
						321.6	-36.75	50.96	0.0	0.0	0.0	306.67
						367.5	-36.75	35.34	0.0	0.0	0.0	326.49
34	13	546.83	0.0	-2.70e-03	-198.45	0.0	-141.06	244.89	0.0	0.0	0.0	11.53
		11.53	0.0	0.0	0.0	45.9	-141.06	220.08	0.0	0.0	0.0	118.33
						91.9	-141.06	195.27	0.0	0.0	0.0	213.73
						137.8	-141.06	170.47	0.0	0.0	0.0	297.73
						183.8	-141.06	145.66	0.0	0.0	0.0	370.35
						229.7	-141.06	120.85	0.0	0.0	0.0	431.56
						275.6	-141.06	96.05	0.0	0.0	0.0	481.38
						321.6	-141.06	71.24	0.0	0.0	0.0	519.80
						367.5	-141.06	46.44	0.0	0.0	0.0	546.83
34	14	347.01	0.0	-7.90e-04	-116.68	0.0	-47.34	129.15	0.0	0.0	0.0	86.79
		86.79	0.0	0.0	0.0	45.9	-47.34	114.56	0.0	0.0	0.0	142.76

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							91.9	-47.34	99.98	0.0	0.0	192.04
							137.8	-47.34	85.39	0.0	0.0	234.62
							183.8	-47.34	70.81	0.0	0.0	270.50
							229.7	-47.34	56.22	0.0	0.0	299.67
							275.6	-47.34	41.64	0.0	0.0	322.15
							321.6	-47.34	27.05	0.0	0.0	337.93
							367.5	-47.34	12.47	0.0	0.0	347.01
34	15	530.47	0.0	-2.45e-03	-116.68	0.0	-28.57	216.94	0.0	0.0	0.0	-52.39
		-52.39	0.0	0.0	0.0	45.9	-28.57	202.36	0.0	0.0	0.0	43.92
							91.9	-28.57	187.77	0.0	0.0	133.53
							137.8	-28.57	173.19	0.0	0.0	216.43
							183.8	-28.57	158.60	0.0	0.0	292.64
							229.7	-28.57	144.02	0.0	0.0	362.15
							275.6	-28.57	129.43	0.0	0.0	424.95
							321.6	-28.57	114.85	0.0	0.0	481.06
							367.5	-28.57	100.26	0.0	0.0	530.47
34	16	308.01	0.0	-1.43e-03	-116.68	0.0	-28.62	147.90	0.0	0.0	0.0	-21.13
		-21.13	0.0	0.0	0.0	45.9	-28.62	133.32	0.0	0.0	0.0	43.46
							91.9	-28.62	118.73	0.0	0.0	101.36
							137.8	-28.62	104.15	0.0	0.0	152.55
							183.8	-28.62	89.56	0.0	0.0	197.04
							229.7	-28.62	74.98	0.0	0.0	234.83
							275.6	-28.62	60.39	0.0	0.0	265.92
							321.6	-28.62	45.80	0.0	0.0	290.31
							367.5	-28.62	31.22	0.0	0.0	308.01
34	17	474.52	0.0	-2.26e-03	-171.81	0.0	-105.70	211.15	0.0	0.0	0.0	14.25
		14.25	0.0	0.0	0.0	45.9	-105.70	189.67	0.0	0.0	0.0	106.31
							91.9	-105.70	168.20	0.0	0.0	188.51
							137.8	-105.70	146.72	0.0	0.0	260.84
							183.8	-105.70	125.24	0.0	0.0	323.31
							229.7	-105.70	103.77	0.0	0.0	375.91
							275.6	-105.70	82.29	0.0	0.0	418.65
							321.6	-105.70	60.82	0.0	0.0	451.52
							367.5	-105.70	39.34	0.0	0.0	474.52
34	18	245.83	0.0	-7.96e-04	-91.88	0.0	-11.36	111.50	0.0	0.0	0.0	4.88
		4.88	0.0	0.0	0.0	45.9	-11.36	100.02	0.0	0.0	0.0	53.46
							91.9	-11.36	88.54	0.0	0.0	96.77
							137.8	-11.36	77.05	0.0	0.0	134.80
							183.8	-11.36	65.57	0.0	0.0	167.56
							229.7	-11.36	54.08	0.0	0.0	195.04
							275.6	-11.36	42.60	0.0	0.0	217.25
							321.6	-11.36	31.11	0.0	0.0	234.18
							367.5	-11.36	19.63	0.0	0.0	245.83
35	1	-699.88	0.0	-5.52e-04	-29.84	0.0	-80.70	-334.02	0.0	0.0	0.0	-699.88
		-926.68	0.0	0.0	0.0	8.1	-80.70	-337.75	0.0	0.0	0.0	-727.17
							16.3	-80.70	-341.48	0.0	0.0	-754.76
							24.4	-80.70	-345.21	0.0	0.0	-782.66
							32.5	-80.70	-348.94	0.0	0.0	-810.86
							40.6	-80.70	-352.67	0.0	0.0	-839.36
							48.8	-80.70	-356.39	0.0	0.0	-868.16
							56.9	-80.70	-360.12	0.0	0.0	-897.27
							65.0	-80.70	-363.85	0.0	0.0	-926.68
35	2	-865.83	0.0	-8.49e-04	-29.84	0.0	-51.52	-445.19	0.0	0.0	0.0	-865.83
		-1164.90	0.0	0.0	0.0	8.1	-51.52	-448.92	0.0	0.0	0.0	-902.15
							16.3	-51.52	-452.65	0.0	0.0	-938.78
							24.4	-51.52	-456.38	0.0	0.0	-975.71
							32.5	-51.52	-460.11	0.0	0.0	-1012.94
							40.6	-51.52	-463.84	0.0	0.0	-1050.47
							48.8	-51.52	-467.57	0.0	0.0	-1088.31
							56.9	-51.52	-471.30	0.0	0.0	-1126.45
							65.0	-51.52	-475.03	0.0	0.0	-1164.90
35	3	-514.40	0.0	-4.61e-04	-97.33	0.0	-46.99	-300.27	0.0	0.0	0.0	-514.40
		-741.20	0.0	0.0	0.0	8.1	-46.99	-312.43	0.0	0.0	0.0	-539.29
							16.3	-46.99	-324.60	0.0	0.0	-565.17
							24.4	-46.99	-336.76	0.0	0.0	-592.03
							32.5	-46.99	-348.93	0.0	0.0	-619.89
							40.6	-46.99	-361.10	0.0	0.0	-648.73
							48.8	-46.99	-373.26	0.0	0.0	-678.57
							56.9	-46.99	-385.43	0.0	0.0	-709.39
							65.0	-46.99	-397.60	0.0	0.0	-741.20
35	4	-877.61	0.0	-6.96e-04	-47.38	0.0	-190.35	-489.38	0.0	0.0	0.0	-877.61
		-1211.11	0.0	0.0	0.0	8.1	-190.35	-495.30	0.0	0.0	0.0	-917.62
							16.3	-190.35	-501.23	0.0	0.0	-958.10
							24.4	-190.35	-507.15	0.0	0.0	-999.07

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
							32.5	-190.35	-513.07	0.0	0.0	-1040.51
							40.6	-190.35	-519.00	0.0	0.0	-1082.44
							48.8	-190.35	-524.92	0.0	0.0	-1124.85
							56.9	-190.35	-530.84	0.0	0.0	-1167.74
							65.0	-190.35	-536.77	0.0	0.0	-1211.11
35	5	-669.62	0.0	-3.32e-04	-26.33	0.0	-180.05	-301.38	0.0	0.0	0.0	-669.62
		-874.07	0.0	0.0	0.0	8.1	-180.05	-304.67	0.0	0.0	0.0	-694.24
							16.3	-180.05	-307.96	0.0	0.0	-719.13
							24.4	-180.05	-311.25	0.0	0.0	-744.29
							32.5	-180.05	-314.54	0.0	0.0	-769.71
							40.6	-180.05	-317.83	0.0	0.0	-795.40
							48.8	-180.05	-321.12	0.0	0.0	-821.36
							56.9	-180.05	-324.41	0.0	0.0	-847.58
							65.0	-180.05	-327.70	0.0	0.0	-874.07
35	6	-763.30	0.0	-5.00e-04	-26.32	0.0	-156.65	-364.37	0.0	0.0	0.0	-763.30
		-1008.69	0.0	0.0	0.0	8.1	-156.65	-367.66	0.0	0.0	0.0	-793.04
							16.3	-156.65	-370.95	0.0	0.0	-823.04
							24.4	-156.65	-374.24	0.0	0.0	-853.32
							32.5	-156.65	-377.53	0.0	0.0	-883.86
							40.6	-156.65	-380.82	0.0	0.0	-914.66
							48.8	-156.65	-384.11	0.0	0.0	-945.74
							56.9	-156.65	-387.40	0.0	0.0	-977.08
							65.0	-156.65	-390.69	0.0	0.0	-1008.69
35	7	-566.58	0.0	-2.82e-04	-63.82	0.0	-161.32	-282.63	0.0	0.0	0.0	-566.58
		-771.03	0.0	0.0	0.0	8.1	-161.32	-290.60	0.0	0.0	0.0	-589.87
							16.3	-161.32	-298.58	0.0	0.0	-613.80
							24.4	-161.32	-306.56	0.0	0.0	-638.39
							32.5	-161.32	-314.54	0.0	0.0	-663.62
							40.6	-161.32	-322.52	0.0	0.0	-689.50
							48.8	-161.32	-330.49	0.0	0.0	-716.03
							56.9	-161.32	-338.47	0.0	0.0	-743.20
							65.0	-161.32	-346.45	0.0	0.0	-771.03
35	8	-769.85	0.0	-4.15e-04	-36.08	0.0	-233.78	-388.92	0.0	0.0	0.0	-769.85
		-1034.37	0.0	0.0	0.0	8.1	-233.78	-393.43	0.0	0.0	0.0	-801.63
							16.3	-233.78	-397.94	0.0	0.0	-833.78
							24.4	-233.78	-402.45	0.0	0.0	-866.29
							32.5	-233.78	-406.96	0.0	0.0	-899.18
							40.6	-233.78	-411.47	0.0	0.0	-932.42
							48.8	-233.78	-415.98	0.0	0.0	-966.04
							56.9	-233.78	-420.48	0.0	0.0	-1000.02
							65.0	-233.78	-424.99	0.0	0.0	-1034.37
35	9	-421.74	0.0	-9.37e-05	-16.25	0.0	-96.16	-184.94	0.0	0.0	0.0	-421.74
		-547.23	0.0	0.0	0.0	8.1	-96.16	-186.97	0.0	0.0	0.0	-436.85
							16.3	-96.16	-189.00	0.0	0.0	-452.12
							24.4	-96.16	-191.03	0.0	0.0	-467.56
							32.5	-96.16	-193.06	0.0	0.0	-483.16
							40.6	-96.16	-195.10	0.0	0.0	-498.93
							48.8	-96.16	-197.13	0.0	0.0	-514.87
							56.9	-96.16	-199.16	0.0	0.0	-530.96
							65.0	-96.16	-201.19	0.0	0.0	-547.23
35	10	-518.65	0.0	-4.08e-04	-22.10	0.0	-61.72	-247.21	0.0	0.0	0.0	-518.65
		-686.52	0.0	0.0	0.0	8.1	-61.72	-249.97	0.0	0.0	0.0	-538.85
							16.3	-61.72	-252.73	0.0	0.0	-559.27
							24.4	-61.72	-255.50	0.0	0.0	-579.91
							32.5	-61.72	-258.26	0.0	0.0	-600.79
							40.6	-61.72	-261.02	0.0	0.0	-621.88
							48.8	-61.72	-263.78	0.0	0.0	-643.20
							56.9	-61.72	-266.55	0.0	0.0	-664.75
							65.0	-61.72	-269.31	0.0	0.0	-686.52
35	11	-641.96	0.0	-6.29e-04	-22.10	0.0	-38.22	-329.88	0.0	0.0	0.0	-641.96
		-863.57	0.0	0.0	0.0	8.1	-38.22	-332.64	0.0	0.0	0.0	-668.88
							16.3	-38.22	-335.41	0.0	0.0	-696.02
							24.4	-38.22	-338.17	0.0	0.0	-723.38
							32.5	-38.22	-340.93	0.0	0.0	-750.97
							40.6	-38.22	-343.69	0.0	0.0	-778.78
							48.8	-38.22	-346.46	0.0	0.0	-806.82
							56.9	-38.22	-349.22	0.0	0.0	-835.08
							65.0	-38.22	-351.98	0.0	0.0	-863.57
35	12	-381.25	0.0	-3.41e-04	-72.10	0.0	-36.75	-222.21	0.0	0.0	0.0	-381.25
		-549.12	0.0	0.0	0.0	8.1	-36.75	-231.22	0.0	0.0	0.0	-399.67
							16.3	-36.75	-240.23	0.0	0.0	-418.83
							24.4	-36.75	-249.24	0.0	0.0	-438.71
							32.5	-36.75	-258.26	0.0	0.0	-459.33
							40.6	-36.75	-267.27	0.0	0.0	-480.68

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						48.8	-36.75	-276.28	0.0	0.0	0.0	-502.76
						56.9	-36.75	-285.29	0.0	0.0	0.0	-525.57
						65.0	-36.75	-294.30	0.0	0.0	0.0	-549.12
35	13	-650.69	0.0	-5.16e-04	-35.10	0.0	-141.06	-362.61	0.0	0.0	0.0	-650.69
		-897.80	0.0	0.0	0.0	8.1	-141.06	-367.00	0.0	0.0	0.0	-680.33
						16.3	-141.06	-371.39	0.0	0.0	0.0	-710.33
						24.4	-141.06	-375.78	0.0	0.0	0.0	-740.68
						32.5	-141.06	-380.16	0.0	0.0	0.0	-771.39
						40.6	-141.06	-384.55	0.0	0.0	0.0	-802.46
						48.8	-141.06	-388.94	0.0	0.0	0.0	-833.88
						56.9	-141.06	-393.33	0.0	0.0	0.0	-865.66
						65.0	-141.06	-397.71	0.0	0.0	0.0	-897.80
35	14	-469.47	0.0	-3.72e-04	-20.64	0.0	-47.34	-228.04	0.0	0.0	0.0	-469.47
		-624.40	0.0	0.0	0.0	8.1	-47.34	-230.62	0.0	0.0	0.0	-488.10
						16.3	-47.34	-233.20	0.0	0.0	0.0	-506.94
						24.4	-47.34	-235.78	0.0	0.0	0.0	-525.99
						32.5	-47.34	-238.36	0.0	0.0	0.0	-545.26
						40.6	-47.34	-240.94	0.0	0.0	0.0	-564.73
						48.8	-47.34	-243.52	0.0	0.0	0.0	-584.41
						56.9	-47.34	-246.10	0.0	0.0	0.0	-604.30
						65.0	-47.34	-248.68	0.0	0.0	0.0	-624.40
35	15	-562.19	0.0	-5.38e-04	-20.64	0.0	-28.57	-290.24	0.0	0.0	0.0	-562.19
		-757.55	0.0	0.0	0.0	8.1	-28.57	-292.82	0.0	0.0	0.0	-585.88
						16.3	-28.57	-295.40	0.0	0.0	0.0	-609.77
						24.4	-28.57	-297.98	0.0	0.0	0.0	-633.88
						32.5	-28.57	-300.56	0.0	0.0	0.0	-658.19
						40.6	-28.57	-303.14	0.0	0.0	0.0	-682.72
						48.8	-28.57	-305.72	0.0	0.0	0.0	-707.45
						56.9	-28.57	-308.30	0.0	0.0	0.0	-732.40
						65.0	-28.57	-310.88	0.0	0.0	0.0	-757.55
35	16	-366.42	0.0	-3.21e-04	-58.14	0.0	-28.62	-209.29	0.0	0.0	0.0	-366.42
		-521.35	0.0	0.0	0.0	8.1	-28.62	-216.55	0.0	0.0	0.0	-383.72
						16.3	-28.62	-223.82	0.0	0.0	0.0	-401.61
						24.4	-28.62	-231.09	0.0	0.0	0.0	-420.09
						32.5	-28.62	-238.35	0.0	0.0	0.0	-439.16
						40.6	-28.62	-245.62	0.0	0.0	0.0	-458.83
						48.8	-28.62	-252.89	0.0	0.0	0.0	-479.08
						56.9	-28.62	-260.16	0.0	0.0	0.0	-499.92
						65.0	-28.62	-267.42	0.0	0.0	0.0	-521.35
35	17	-568.74	0.0	-4.53e-04	-30.39	0.0	-105.70	-314.79	0.0	0.0	0.0	-568.74
		-783.23	0.0	0.0	0.0	8.1	-105.70	-318.59	0.0	0.0	0.0	-594.47
						16.3	-105.70	-322.39	0.0	0.0	0.0	-620.51
						24.4	-105.70	-326.19	0.0	0.0	0.0	-646.86
						32.5	-105.70	-329.98	0.0	0.0	0.0	-673.51
						40.6	-105.70	-333.78	0.0	0.0	0.0	-700.48
						48.8	-105.70	-337.58	0.0	0.0	0.0	-727.75
						56.9	-105.70	-341.38	0.0	0.0	0.0	-755.34
						65.0	-105.70	-345.18	0.0	0.0	0.0	-783.23
35	18	-322.74	0.0	-2.61e-04	-16.25	0.0	-11.36	-169.75	0.0	0.0	0.0	-322.74
		-438.35	0.0	0.0	0.0	8.1	-11.36	-171.78	0.0	0.0	0.0	-336.61
						16.3	-11.36	-173.81	0.0	0.0	0.0	-350.65
						24.4	-11.36	-175.84	0.0	0.0	0.0	-364.85
						32.5	-11.36	-177.87	0.0	0.0	0.0	-379.22
						40.6	-11.36	-179.90	0.0	0.0	0.0	-393.76
						48.8	-11.36	-181.93	0.0	0.0	0.0	-408.46
						56.9	-11.36	-183.96	0.0	0.0	0.0	-423.32
						65.0	-11.36	-186.00	0.0	0.0	0.0	-438.35
36	1	289.59	0.0	-3.30e-03	-228.35	0.0	-37.37	266.09	0.0	0.0	0.0	-466.16
		-466.16	0.0	0.0	0.0	62.2	-37.37	237.54	0.0	0.0	0.0	-309.56
						124.4	-37.37	209.00	0.0	0.0	0.0	-170.72
						186.6	-37.37	180.45	0.0	0.0	0.0	-49.62
						248.8	-37.37	151.91	0.0	0.0	0.0	53.72
						310.9	-37.37	123.37	0.0	0.0	0.0	139.32
						373.1	-37.37	94.82	0.0	0.0	0.0	207.16
						435.3	-37.37	66.28	0.0	0.0	0.0	257.25
						497.5	-37.37	37.73	0.0	0.0	0.0	289.59
36	2	285.53	0.0	-2.73e-03	-228.35	0.0	-8.98	278.44	0.0	0.0	0.0	-531.68
		-531.68	0.0	0.0	0.0	62.2	-8.98	249.90	0.0	0.0	0.0	-367.40
						124.4	-8.98	221.35	0.0	0.0	0.0	-220.87
						186.6	-8.98	192.81	0.0	0.0	0.0	-92.10
						248.8	-8.98	164.26	0.0	0.0	0.0	18.93
						310.9	-8.98	135.72	0.0	0.0	0.0	112.20
						373.1	-8.98	107.17	0.0	0.0	0.0	187.73
						435.3	-8.98	78.63	0.0	0.0	0.0	245.50

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3	
36	3	296.08	0.0	-3.02e-03	-228.35	497.5	-8.98	50.09	0.0	0.0	0.0	285.53	
		-420.22	0.0	0.0	0.0	62.2	-55.48	258.16	0.0	0.0	0.0	-420.22	
						124.4	-55.48	201.07	0.0	0.0	0.0	0.0	-134.64
						186.6	-55.48	172.52	0.0	0.0	0.0	0.0	-18.48
						248.8	-55.48	143.98	0.0	0.0	0.0	0.0	79.93
						310.9	-55.48	115.44	0.0	0.0	0.0	0.0	160.60
						373.1	-55.48	86.89	0.0	0.0	0.0	0.0	223.51
						435.3	-55.48	58.35	0.0	0.0	0.0	0.0	268.67
						497.5	-55.48	29.80	0.0	0.0	0.0	0.0	296.08
		36	4	483.03	0.0	-4.65e-03	-362.68	0.0	-165.39	407.66	0.0	0.0	0.0
-642.93	0.0			0.0	0.0	62.2	-165.39	362.33	0.0	0.0	0.0	-403.51	
						124.4	-165.39	316.99	0.0	0.0	0.0	0.0	-192.28
						186.6	-165.39	271.66	0.0	0.0	0.0	0.0	-9.25
						248.8	-165.39	226.32	0.0	0.0	0.0	0.0	145.59
						310.9	-165.39	180.99	0.0	0.0	0.0	0.0	272.24
						373.1	-165.39	135.65	0.0	0.0	0.0	0.0	370.70
						435.3	-165.39	90.32	0.0	0.0	0.0	0.0	440.96
						497.5	-165.39	44.98	0.0	0.0	0.0	0.0	483.03
36	5			255.63	0.0	-3.53e-03	-201.49	0.0	-73.97	220.88	0.0	0.0	0.0
		-342.07	0.0	0.0	0.0	62.2	-73.97	195.70	0.0	0.0	0.0	-212.54	
						124.4	-73.97	170.51	0.0	0.0	0.0	0.0	-98.67
						186.6	-73.97	145.33	0.0	0.0	0.0	0.0	-0.47
						248.8	-73.97	120.14	0.0	0.0	0.0	0.0	82.08
						310.9	-73.97	94.95	0.0	0.0	0.0	0.0	148.96
						373.1	-73.97	69.77	0.0	0.0	0.0	0.0	200.18
						435.3	-73.97	44.58	0.0	0.0	0.0	0.0	235.73
						497.5	-73.97	19.40	0.0	0.0	0.0	0.0	255.63
		36	6	258.98	0.0	-3.17e-03	-201.49	0.0	-51.09	227.90	0.0	0.0	0.0
-373.61	0.0			0.0	0.0	62.2	-51.09	202.71	0.0	0.0	0.0	-239.72	
						124.4	-51.09	177.52	0.0	0.0	0.0	0.0	-121.49
						186.6	-51.09	152.34	0.0	0.0	0.0	0.0	-18.92
						248.8	-51.09	127.15	0.0	0.0	0.0	0.0	67.98
						310.9	-51.09	101.97	0.0	0.0	0.0	0.0	139.23
						373.1	-51.09	76.78	0.0	0.0	0.0	0.0	194.80
						435.3	-51.09	51.59	0.0	0.0	0.0	0.0	234.72
						497.5	-51.09	26.41	0.0	0.0	0.0	0.0	258.98
36	7			259.23	0.0	-3.38e-03	-201.49	0.0	-84.04	216.48	0.0	0.0	0.0
		-316.55	0.0	0.0	0.0	62.2	-84.04	191.29	0.0	0.0	0.0	-189.76	
						124.4	-84.04	166.11	0.0	0.0	0.0	0.0	-78.63
						186.6	-84.04	140.92	0.0	0.0	0.0	0.0	16.83
						248.8	-84.04	115.73	0.0	0.0	0.0	0.0	96.64
						310.9	-84.04	90.55	0.0	0.0	0.0	0.0	160.78
						373.1	-84.04	65.36	0.0	0.0	0.0	0.0	209.26
						435.3	-84.04	40.18	0.0	0.0	0.0	0.0	242.07
						497.5	-84.04	14.99	0.0	0.0	0.0	0.0	259.23
		36	8	368.70	0.0	-4.24e-03	-276.11	0.0	-137.99	299.69	0.0	0.0	0.0
-435.41	0.0			0.0	0.0	62.2	-137.99	265.17	0.0	0.0	0.0	-259.78	
						124.4	-137.99	230.66	0.0	0.0	0.0	0.0	-105.60
						186.6	-137.99	196.14	0.0	0.0	0.0	0.0	27.11
						248.8	-137.99	161.63	0.0	0.0	0.0	0.0	138.35
						310.9	-137.99	127.12	0.0	0.0	0.0	0.0	228.13
						373.1	-137.99	92.60	0.0	0.0	0.0	0.0	296.45
						435.3	-137.99	58.09	0.0	0.0	0.0	0.0	343.31
						497.5	-137.99	23.57	0.0	0.0	0.0	0.0	368.70
36	9			158.10	0.0	-2.66e-03	-124.38	0.0	-27.30	129.18	0.0	0.0	0.0
		-175.18	0.0	0.0	0.0	62.2	-27.30	113.63	0.0	0.0	0.0	-99.68	
						124.4	-27.30	98.08	0.0	0.0	0.0	0.0	-33.85
						186.6	-27.30	82.54	0.0	0.0	0.0	0.0	22.31
						248.8	-27.30	66.99	0.0	0.0	0.0	0.0	68.81
						310.9	-27.30	51.44	0.0	0.0	0.0	0.0	105.63
						373.1	-27.30	35.90	0.0	0.0	0.0	0.0	132.79
						435.3	-27.30	20.35	0.0	0.0	0.0	0.0	150.28
						497.5	-27.30	4.80	0.0	0.0	0.0	0.0	158.10
		36	10	212.98	0.0	-2.45e-03	-169.15	0.0	-29.52	196.82	0.0	0.0	0.0
-345.44	0.0			0.0	0.0	62.2	-29.52	175.68	0.0	0.0	0.0	-229.62	
						124.4	-29.52	154.53	0.0	0.0	0.0	0.0	-126.95
						186.6	-29.52	133.39	0.0	0.0	0.0	0.0	-37.42
						248.8	-29.52	112.25	0.0	0.0	0.0	0.0	38.96
						310.9	-29.52	91.10	0.0	0.0	0.0	0.0	102.18
						373.1	-29.52	69.96	0.0	0.0	0.0	0.0	152.26
						435.3	-29.52	48.81	0.0	0.0	0.0	0.0	189.20
						497.5	-29.52	27.67	0.0	0.0	0.0	0.0	212.98
36	11			211.43	0.0	-2.02e-03	-169.15	0.0	-6.63	206.01	0.0	0.0	0.0

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		-392.71	0.0	0.0	0.0	62.2	-6.63	184.87	0.0	0.0	0.0	-271.17
						124.4	-6.63	163.72	0.0	0.0	0.0	-162.78
						186.6	-6.63	142.58	0.0	0.0	0.0	-67.54
						248.8	-6.63	121.44	0.0	0.0	0.0	14.55
						310.9	-6.63	100.29	0.0	0.0	0.0	83.50
						373.1	-6.63	79.15	0.0	0.0	0.0	139.29
						435.3	-6.63	58.00	0.0	0.0	0.0	181.94
						497.5	-6.63	36.86	0.0	0.0	0.0	211.43
36	12	217.78	0.0	-2.25e-03	-169.15	0.0	-42.94	190.95	0.0	0.0	0.0	-311.42
		-311.42	0.0	0.0	0.0	62.2	-42.94	169.80	0.0	0.0	0.0	-199.25
						124.4	-42.94	148.66	0.0	0.0	0.0	-100.23
						186.6	-42.94	127.52	0.0	0.0	0.0	-14.35
						248.8	-42.94	106.37	0.0	0.0	0.0	58.37
						310.9	-42.94	85.23	0.0	0.0	0.0	117.95
						373.1	-42.94	64.08	0.0	0.0	0.0	164.37
						435.3	-42.94	42.94	0.0	0.0	0.0	197.65
						497.5	-42.94	21.80	0.0	0.0	0.0	217.78
36	13	357.73	0.0	-3.45e-03	-268.65	0.0	-122.49	301.73	0.0	0.0	0.0	-475.11
		-475.11	0.0	0.0	0.0	62.2	-122.49	268.15	0.0	0.0	0.0	-297.91
						124.4	-122.49	234.57	0.0	0.0	0.0	-141.60
						186.6	-122.49	200.99	0.0	0.0	0.0	-6.17
						248.8	-122.49	167.41	0.0	0.0	0.0	108.38
						310.9	-122.49	133.82	0.0	0.0	0.0	202.04
						373.1	-122.49	100.24	0.0	0.0	0.0	274.82
						435.3	-122.49	66.66	0.0	0.0	0.0	326.72
						497.5	-122.49	33.08	0.0	0.0	0.0	357.73
36	14	200.31	0.0	-2.36e-03	-157.96	0.0	-25.50	185.25	0.0	0.0	0.0	-328.41
		-328.41	0.0	0.0	0.0	62.2	-25.50	165.51	0.0	0.0	0.0	-219.35
						124.4	-25.50	145.76	0.0	0.0	0.0	-122.56
						186.6	-25.50	126.02	0.0	0.0	0.0	-38.05
						248.8	-25.50	106.27	0.0	0.0	0.0	34.18
						310.9	-25.50	86.53	0.0	0.0	0.0	94.13
						373.1	-25.50	66.79	0.0	0.0	0.0	141.80
						435.3	-25.50	47.04	0.0	0.0	0.0	177.19
						497.5	-25.50	27.30	0.0	0.0	0.0	200.31
36	15	200.05	0.0	-2.03e-03	-157.96	0.0	-7.18	192.17	0.0	0.0	0.0	-363.08
		-363.08	0.0	0.0	0.0	62.2	-7.18	172.42	0.0	0.0	0.0	-249.71
						124.4	-7.18	152.68	0.0	0.0	0.0	-148.62
						186.6	-7.18	132.94	0.0	0.0	0.0	-59.81
						248.8	-7.18	113.19	0.0	0.0	0.0	16.72
						310.9	-7.18	93.45	0.0	0.0	0.0	80.97
						373.1	-7.18	73.70	0.0	0.0	0.0	132.94
						435.3	-7.18	53.96	0.0	0.0	0.0	172.63
						497.5	-7.18	34.21	0.0	0.0	0.0	200.05
36	16	203.91	0.0	-2.21e-03	-157.96	0.0	-35.56	180.85	0.0	0.0	0.0	-302.89
		-302.89	0.0	0.0	0.0	62.2	-35.56	161.10	0.0	0.0	0.0	-196.57
						124.4	-35.56	141.36	0.0	0.0	0.0	-102.52
						186.6	-35.56	121.61	0.0	0.0	0.0	-20.75
						248.8	-35.56	101.87	0.0	0.0	0.0	48.74
						310.9	-35.56	82.13	0.0	0.0	0.0	105.95
						373.1	-35.56	62.38	0.0	0.0	0.0	150.88
						435.3	-35.56	42.64	0.0	0.0	0.0	183.53
						497.5	-35.56	22.89	0.0	0.0	0.0	203.91
36	17	309.77	0.0	-3.10e-03	-232.58	0.0	-94.08	263.96	0.0	0.0	0.0	-424.88
		-424.88	0.0	0.0	0.0	62.2	-94.08	234.89	0.0	0.0	0.0	-269.77
						124.4	-94.08	205.81	0.0	0.0	0.0	-132.74
						186.6	-94.08	176.74	0.0	0.0	0.0	-13.79
						248.8	-94.08	147.67	0.0	0.0	0.0	87.08
						310.9	-94.08	118.60	0.0	0.0	0.0	169.88
						373.1	-94.08	89.52	0.0	0.0	0.0	234.59
						435.3	-94.08	60.45	0.0	0.0	0.0	281.22
						497.5	-94.08	31.38	0.0	0.0	0.0	309.77
36	18	156.63	0.0	-2.13e-03	-124.38	0.0	-20.21	149.52	0.0	0.0	0.0	-277.84
		-277.84	0.0	0.0	0.0	62.2	-20.21	133.97	0.0	0.0	0.0	-189.69
						124.4	-20.21	118.42	0.0	0.0	0.0	-111.21
						186.6	-20.21	102.88	0.0	0.0	0.0	-42.40
						248.8	-20.21	87.33	0.0	0.0	0.0	16.74
						310.9	-20.21	71.78	0.0	0.0	0.0	66.22
						373.1	-20.21	56.24	0.0	0.0	0.0	106.02
						435.3	-20.21	40.69	0.0	0.0	0.0	136.16
						497.5	-20.21	25.14	0.0	0.0	0.0	156.63
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-1575.41	0.0	-9.36e-03	-402.77		-233.78	-584.15	0.0	0.0		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		937.96	0.0	0.0	0.0		-6.63	571.69	0.0	0.0		

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN/ m2	cm	kN	kN	kN m	kN m	kN m	kN m
1	1	354.37	0.0	-4.82e-04	-136.69	0.0	-418.10	-438.82	0.0	0.0	0.0	354.37
		-826.47	0.0	0.0		70.3	-418.10	-381.69	0.0	0.0	0.0	65.90
						140.6	-418.10	-324.58	0.0	0.0	0.0	-182.40
						210.9	-418.10	-267.46	0.0	0.0	0.0	-390.54
						281.3	-418.10	-210.23	0.0	0.0	0.0	-558.49
						351.6	-418.10	-152.72	0.0	0.0	0.0	-686.11
						421.9	-418.10	-94.69	0.0	0.0	0.0	-773.12
						492.2	-418.10	-35.88	0.0	0.0	0.0	-819.08
						562.5	-418.10	23.99	0.0	0.0	0.0	-823.33
1	2	594.06	0.0	1.41e-04	-139.96	0.0	-369.59	-473.42	0.0	0.0	0.0	594.06
		-673.84	0.0	0.0		70.3	-369.59	-410.90	0.0	0.0	0.0	283.18
						140.6	-369.59	-348.59	0.0	0.0	0.0	16.19
						210.9	-369.59	-286.54	0.0	0.0	0.0	-207.08
						281.3	-369.59	-224.72	0.0	0.0	0.0	-386.81
						351.6	-369.59	-163.03	0.0	0.0	0.0	-523.13
						421.9	-369.59	-101.29	0.0	0.0	0.0	-616.06
						492.2	-369.59	-39.29	0.0	0.0	0.0	-665.50
						562.5	-369.59	23.20	0.0	0.0	0.0	-671.20
1	3	782.07	0.0	-2.10e-04	-147.04	0.0	-323.47	-550.60	0.0	0.0	0.0	782.07
		-823.63	0.0	0.0		70.3	-323.47	-484.24	0.0	0.0	0.0	418.25
						140.6	-323.47	-417.90	0.0	0.0	0.0	101.10
						210.9	-323.47	-351.69	0.0	0.0	0.0	-169.45
						281.3	-323.47	-285.58	0.0	0.0	0.0	-393.49
						351.6	-323.47	-219.48	0.0	0.0	0.0	-571.05
						421.9	-323.47	-153.21	0.0	0.0	0.0	-702.10
						492.2	-323.47	-86.54	0.0	0.0	0.0	-786.41
						562.5	-323.47	-19.18	0.0	0.0	0.0	-823.63
1	4	778.37	0.0	-5.36e-04	-164.22	0.0	-429.36	-608.29	0.0	0.0	0.0	778.37
		-918.53	0.0	0.0		70.3	-429.36	-532.05	0.0	0.0	0.0	377.45
						140.6	-429.36	-455.65	0.0	0.0	0.0	30.21
						210.9	-429.36	-379.16	0.0	0.0	0.0	-263.28
						281.3	-429.36	-302.54	0.0	0.0	0.0	-502.95
						351.6	-429.36	-225.65	0.0	0.0	0.0	-688.66
						421.9	-429.36	-148.27	0.0	0.0	0.0	-820.16
						492.2	-429.36	-70.13	0.0	0.0	0.0	-897.00
						562.5	-429.36	9.09	0.0	0.0	0.0	-918.53
1	5	466.35	0.0	-1.03e-03	-136.19	0.0	-404.45	-456.97	0.0	0.0	0.0	466.35
		-877.33	0.0	0.0		70.3	-404.45	-403.77	0.0	0.0	0.0	163.71
						140.6	-404.45	-350.05	0.0	0.0	0.0	-101.34
						210.9	-404.45	-295.81	0.0	0.0	0.0	-328.43
						281.3	-404.45	-240.98	0.0	0.0	0.0	-517.18
						351.6	-404.45	-185.41	0.0	0.0	0.0	-667.14
						421.9	-404.45	-128.87	0.0	0.0	0.0	-777.69
						492.2	-404.45	-71.11	0.0	0.0	0.0	-848.08
						562.5	-404.45	-11.82	0.0	0.0	0.0	-877.33
1	6	614.47	0.0	-7.27e-04	-138.14	0.0	-384.50	-474.93	0.0	0.0	0.0	614.47
		-761.84	0.0	0.0		70.3	-384.50	-418.26	0.0	0.0	0.0	300.43
						140.6	-384.50	-361.21	0.0	0.0	0.0	26.38
						210.9	-384.50	-303.82	0.0	0.0	0.0	-207.44
						281.3	-384.50	-246.06	0.0	0.0	0.0	-400.78
						351.6	-384.50	-187.84	0.0	0.0	0.0	-553.36
						421.9	-384.50	-128.96	0.0	0.0	0.0	-664.77
						492.2	-384.50	-69.21	0.0	0.0	0.0	-734.50
						562.5	-384.50	-8.33	0.0	0.0	0.0	-761.84
1	7	703.96	0.0	-8.80e-04	-141.93	0.0	-351.88	-519.07	0.0	0.0	0.0	703.96
		-877.49	0.0	0.0		70.3	-351.88	-460.74	0.0	0.0	0.0	359.46
						140.6	-351.88	-401.90	0.0	0.0	0.0	56.16
						210.9	-351.88	-342.61	0.0	0.0	0.0	-205.60
						281.3	-351.88	-282.85	0.0	0.0	0.0	-425.52
						351.6	-351.88	-222.50	0.0	0.0	0.0	-603.22
						421.9	-351.88	-161.39	0.0	0.0	0.0	-738.23
						492.2	-351.88	-99.25	0.0	0.0	0.0	-829.93
						562.5	-351.88	-35.80	0.0	0.0	0.0	-877.49
1	8	716.86	0.0	-1.01e-03	-151.62	0.0	-417.71	-549.86	0.0	0.0	0.0	716.86
		-899.24	0.0	0.0		70.3	-417.71	-485.57	0.0	0.0	0.0	352.80
						140.6	-417.71	-420.68	0.0	0.0	0.0	34.17
						210.9	-417.71	-355.27	0.0	0.0	0.0	-238.66
						281.3	-417.71	-289.29	0.0	0.0	0.0	-465.30

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						351.6	-417.71	-222.63	0.0	0.0	0.0	-645.32
						421.9	-417.71	-155.07	0.0	0.0	0.0	-778.16
						492.2	-417.71	-86.35	0.0	0.0	0.0	-863.11
						562.5	-417.71	-16.17	0.0	0.0	0.0	-899.24
1	9	384.30	0.0	-1.09e-03	-98.34	0.0	-305.71	-333.04	0.0	0.0	0.0	384.30
		-652.99	0.0	0.0		70.3	-305.71	-297.51	0.0	0.0	0.0	162.57
						140.6	-305.71	-261.28	0.0	0.0	0.0	-33.92
						210.9	-305.71	-224.36	0.0	0.0	0.0	-204.69
						281.3	-305.71	-186.71	0.0	0.0	0.0	-349.25
						351.6	-305.71	-148.24	0.0	0.0	0.0	-467.06
						421.9	-305.71	-108.78	0.0	0.0	0.0	-557.48
						492.2	-305.71	-68.15	0.0	0.0	0.0	-619.76
						562.5	-305.71	-26.14	0.0	0.0	0.0	-652.99
1	10	257.65	0.0	-3.72e-04	-101.22	0.0	-307.89	-325.16	0.0	0.0	0.0	257.65
		-619.73	0.0	0.0		70.3	-307.89	-282.97	0.0	0.0	0.0	43.85
						140.6	-307.89	-240.78	0.0	0.0	0.0	-140.28
						210.9	-307.89	-198.58	0.0	0.0	0.0	-294.74
						281.3	-307.89	-156.29	0.0	0.0	0.0	-419.51
						351.6	-307.89	-113.77	0.0	0.0	0.0	-514.47
						421.9	-307.89	-70.86	0.0	0.0	0.0	-579.41
						492.2	-307.89	-27.36	0.0	0.0	0.0	-613.98
						562.5	-307.89	16.96	0.0	0.0	0.0	-617.69
1	11	439.12	0.0	1.05e-04	-103.68	0.0	-273.80	-350.45	0.0	0.0	0.0	439.12
		-498.92	0.0	0.0		70.3	-273.80	-304.14	0.0	0.0	0.0	208.99
						140.6	-273.80	-257.99	0.0	0.0	0.0	11.38
						210.9	-273.80	-212.03	0.0	0.0	0.0	-153.86
						281.3	-273.80	-166.25	0.0	0.0	0.0	-286.84
						351.6	-273.80	-120.55	0.0	0.0	0.0	-387.66
						421.9	-273.80	-74.81	0.0	0.0	0.0	-456.35
						492.2	-273.80	-28.89	0.0	0.0	0.0	-492.82
						562.5	-273.80	17.40	0.0	0.0	0.0	-496.88
1	12	574.46	0.0	-1.71e-04	-108.88	0.0	-237.80	-407.96	0.0	0.0	0.0	574.46
		-617.91	0.0	0.0		70.3	-237.80	-358.93	0.0	0.0	0.0	304.85
						140.6	-237.80	-309.91	0.0	0.0	0.0	69.72
						210.9	-237.80	-260.97	0.0	0.0	0.0	-130.98
						281.3	-237.80	-212.10	0.0	0.0	0.0	-297.29
						351.6	-237.80	-163.23	0.0	0.0	0.0	-429.25
						421.9	-237.80	-114.21	0.0	0.0	0.0	-526.80
						492.2	-237.80	-64.88	0.0	0.0	0.0	-589.78
						562.5	-237.80	-15.02	0.0	0.0	0.0	-617.91
1	13	575.64	0.0	-3.98e-04	-121.65	0.0	-318.07	-450.36	0.0	0.0	0.0	575.64
		-680.09	0.0	0.0		70.3	-318.07	-393.89	0.0	0.0	0.0	278.82
						140.6	-318.07	-337.29	0.0	0.0	0.0	21.76
						210.9	-318.07	-280.64	0.0	0.0	0.0	-195.48
						281.3	-318.07	-223.89	0.0	0.0	0.0	-372.86
						351.6	-318.07	-166.93	0.0	0.0	0.0	-510.28
						421.9	-318.07	-109.62	0.0	0.0	0.0	-607.53
						492.2	-318.07	-51.73	0.0	0.0	0.0	-664.29
						562.5	-318.07	6.95	0.0	0.0	0.0	-680.09
1	14	245.26	0.0	-4.04e-04	-98.99	0.0	-297.62	-309.87	0.0	0.0	0.0	245.26
		-584.86	0.0	0.0		70.3	-297.62	-269.45	0.0	0.0	0.0	41.60
						140.6	-297.62	-228.98	0.0	0.0	0.0	-133.64
						210.9	-297.62	-188.47	0.0	0.0	0.0	-280.40
						281.3	-297.62	-147.81	0.0	0.0	0.0	-398.63
						351.6	-297.62	-106.91	0.0	0.0	0.0	-488.20
						421.9	-297.62	-65.58	0.0	0.0	0.0	-548.87
						492.2	-297.62	-23.64	0.0	0.0	0.0	-580.28
						562.5	-297.62	19.11	0.0	0.0	0.0	-581.93
1	15	383.77	0.0	-1.35e-04	-100.85	0.0	-273.17	-328.64	0.0	0.0	0.0	383.77
		-489.50	0.0	0.0		70.3	-273.17	-285.05	0.0	0.0	0.0	168.02
						140.6	-273.17	-241.54	0.0	0.0	0.0	-17.10
						210.9	-273.17	-198.14	0.0	0.0	0.0	-171.67
						281.3	-273.17	-154.81	0.0	0.0	0.0	-295.75
						351.6	-273.17	-111.46	0.0	0.0	0.0	-389.36
						421.9	-273.17	-67.97	0.0	0.0	0.0	-452.45
						492.2	-273.17	-24.18	0.0	0.0	0.0	-484.87
						562.5	-273.17	20.07	0.0	0.0	0.0	-486.35
1	16	482.88	0.0	-2.53e-04	-104.74	0.0	-245.05	-371.97	0.0	0.0	0.0	482.88
		-582.09	0.0	0.0		70.3	-245.05	-326.42	0.0	0.0	0.0	237.35
						140.6	-245.05	-280.83	0.0	0.0	0.0	23.86
						210.9	-245.05	-235.26	0.0	0.0	0.0	-157.58
						281.3	-245.05	-189.68	0.0	0.0	0.0	-306.97
						351.6	-245.05	-144.00	0.0	0.0	0.0	-424.29
						421.9	-245.05	-98.09	0.0	0.0	0.0	-509.42



Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						492.2	-245.05	-51.78	0.0	0.0	0.0	-562.13
						562.5	-245.05	-4.88	0.0	0.0	0.0	-582.09
1	17	486.16	0.0	-4.14e-04	-114.33	0.0	-306.38	-403.57	0.0	0.0	0.0	486.16
		-623.75	0.0	0.0		70.3	-306.38	-352.36	0.0	0.0	0.0	220.40
						140.6	-306.38	-301.02	0.0	0.0	0.0	-9.31
						210.9	-306.38	-249.59	0.0	0.0	0.0	-202.89
						281.3	-306.38	-198.04	0.0	0.0	0.0	-360.27
						351.6	-306.38	-146.25	0.0	0.0	0.0	-481.33
						421.9	-306.38	-94.07	0.0	0.0	0.0	-565.84
						492.2	-306.38	-41.32	0.0	0.0	0.0	-613.48
						562.5	-306.38	12.23	0.0	0.0	0.0	-623.75
1	18	190.27	0.0	-5.55e-04	-92.17	0.0	-260.14	-264.38	0.0	0.0	0.0	190.27
		-507.99	0.0	0.0		70.3	-260.14	-229.73	0.0	0.0	0.0	16.55
						140.6	-260.14	-194.89	0.0	0.0	0.0	-132.74
						210.9	-260.14	-159.82	0.0	0.0	0.0	-257.46
						281.3	-260.14	-124.46	0.0	0.0	0.0	-357.42
						351.6	-260.14	-88.70	0.0	0.0	0.0	-432.39
						421.9	-260.14	-52.39	0.0	0.0	0.0	-482.03
						492.2	-260.14	-15.36	0.0	0.0	0.0	-505.89
						562.5	-260.14	22.57	0.0	0.0	0.0	-503.42
2	1	656.77	0.0	-1.68e-05	-131.87	0.0	-434.28	-491.62	0.0	0.0	0.0	656.77
		354.35	0.0	0.0		8.1	-434.28	-485.03	0.0	0.0	0.0	617.09
						16.3	-434.28	-478.44	0.0	0.0	0.0	577.95
						24.4	-434.28	-471.85	0.0	0.0	0.0	539.34
						32.5	-434.28	-465.25	0.0	0.0	0.0	501.27
						40.6	-434.28	-458.66	0.0	0.0	0.0	463.74
						48.8	-434.28	-452.06	0.0	0.0	0.0	426.74
						56.9	-434.28	-445.46	0.0	0.0	0.0	390.28
						65.0	-434.28	-438.86	0.0	0.0	0.0	354.35
2	2	920.58	0.0	-7.85e-06	-139.64	0.0	-359.12	-531.24	0.0	0.0	0.0	920.58
		594.07	0.0	0.0		8.1	-359.12	-524.01	0.0	0.0	0.0	877.71
						16.3	-359.12	-516.78	0.0	0.0	0.0	835.43
						24.4	-359.12	-509.55	0.0	0.0	0.0	793.73
						32.5	-359.12	-502.32	0.0	0.0	0.0	752.63
						40.6	-359.12	-495.09	0.0	0.0	0.0	712.11
						48.8	-359.12	-487.86	0.0	0.0	0.0	672.17
						56.9	-359.12	-480.63	0.0	0.0	0.0	632.83
						65.0	-359.12	-473.39	0.0	0.0	0.0	594.07
2	3	1159.86	0.0	-4.41e-05	-144.94	0.0	-312.97	-611.80	0.0	0.0	0.0	1159.86
		782.06	0.0	0.0		8.1	-312.97	-604.17	0.0	0.0	0.0	1110.46
						16.3	-312.97	-596.53	0.0	0.0	0.0	1061.69
						24.4	-312.97	-588.89	0.0	0.0	0.0	1013.53
						32.5	-312.97	-581.24	0.0	0.0	0.0	965.99
						40.6	-312.97	-573.59	0.0	0.0	0.0	919.08
						48.8	-312.97	-565.93	0.0	0.0	0.0	872.78
						56.9	-312.97	-558.28	0.0	0.0	0.0	827.11
						65.0	-312.97	-550.61	0.0	0.0	0.0	782.06
2	4	1196.62	0.0	-6.77e-05	-158.86	0.0	-411.52	-678.58	0.0	0.0	0.0	1196.62
		778.32	0.0	0.0		8.1	-411.52	-669.83	0.0	0.0	0.0	1141.84
						16.3	-411.52	-661.08	0.0	0.0	0.0	1087.77
						24.4	-411.52	-652.32	0.0	0.0	0.0	1034.42
						32.5	-411.52	-643.55	0.0	0.0	0.0	981.77
						40.6	-411.52	-634.78	0.0	0.0	0.0	929.84
						48.8	-411.52	-626.00	0.0	0.0	0.0	878.62
						56.9	-411.52	-617.21	0.0	0.0	0.0	828.11
						65.0	-411.52	-608.42	0.0	0.0	0.0	778.32
2	5	779.22	0.0	-9.54e-05	-125.87	0.0	-428.49	-505.61	0.0	0.0	0.0	779.22
		466.34	0.0	0.0		8.1	-428.49	-499.57	0.0	0.0	0.0	738.38
						16.3	-428.49	-493.51	0.0	0.0	0.0	698.04
						24.4	-428.49	-487.45	0.0	0.0	0.0	658.19
						32.5	-428.49	-481.38	0.0	0.0	0.0	618.83
						40.6	-428.49	-475.30	0.0	0.0	0.0	579.96
						48.8	-428.49	-469.20	0.0	0.0	0.0	541.59
						56.9	-428.49	-463.10	0.0	0.0	0.0	503.72
						65.0	-428.49	-456.99	0.0	0.0	0.0	466.34
2	6	940.07	0.0	-8.81e-05	-130.88	0.0	-393.72	-526.82	0.0	0.0	0.0	940.07
		614.47	0.0	0.0		8.1	-393.72	-520.36	0.0	0.0	0.0	897.53
						16.3	-393.72	-513.90	0.0	0.0	0.0	855.51
						24.4	-393.72	-507.42	0.0	0.0	0.0	814.02
						32.5	-393.72	-500.94	0.0	0.0	0.0	773.05
						40.6	-393.72	-494.45	0.0	0.0	0.0	732.62
						48.8	-393.72	-487.95	0.0	0.0	0.0	692.71
						56.9	-393.72	-481.44	0.0	0.0	0.0	653.33
						65.0	-393.72	-474.92	0.0	0.0	0.0	614.47

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
2	7	1058.72	0.0	-1.11e-04	-133.13	0.0	-361.10	-572.37	0.0	0.0	0.0	1058.72
		703.96	0.0	0.0		8.1	-361.10	-565.75	0.0	0.0	0.0	1012.48
						16.3	-361.10	-559.12	0.0	0.0	0.0	966.78
						24.4	-361.10	-552.47	0.0	0.0	0.0	921.62
						32.5	-361.10	-545.81	0.0	0.0	0.0	877.01
						40.6	-361.10	-539.15	0.0	0.0	0.0	832.93
						48.8	-361.10	-532.47	0.0	0.0	0.0	789.39
						56.9	-361.10	-525.78	0.0	0.0	0.0	746.40
					65.0	-361.10	-519.08	0.0	0.0	0.0	703.96	
2	8	1093.42	0.0	-1.21e-04	-141.56	0.0	-422.83	-608.67	0.0	0.0	0.0	1093.42
		716.83	0.0	0.0		8.1	-422.83	-601.37	0.0	0.0	0.0	1044.27
						16.3	-422.83	-594.06	0.0	0.0	0.0	995.70
						24.4	-422.83	-586.74	0.0	0.0	0.0	947.73
						32.5	-422.83	-579.40	0.0	0.0	0.0	900.36
						40.6	-422.83	-572.05	0.0	0.0	0.0	853.58
						48.8	-422.83	-564.69	0.0	0.0	0.0	807.40
						56.9	-422.83	-557.32	0.0	0.0	0.0	761.82
					65.0	-422.83	-549.93	0.0	0.0	0.0	716.83	
2	9	611.25	0.0	-1.16e-04	-87.48	0.0	-334.09	-365.17	0.0	0.0	0.0	611.25
		384.29	0.0	0.0		8.1	-334.09	-361.19	0.0	0.0	0.0	581.74
						16.3	-334.09	-357.21	0.0	0.0	0.0	552.56
						24.4	-334.09	-353.21	0.0	0.0	0.0	523.70
						32.5	-334.09	-349.20	0.0	0.0	0.0	495.16
						40.6	-334.09	-345.18	0.0	0.0	0.0	466.95
						48.8	-334.09	-341.14	0.0	0.0	0.0	439.07
						56.9	-334.09	-337.10	0.0	0.0	0.0	411.52
					65.0	-334.09	-333.04	0.0	0.0	0.0	384.29	
2	10	481.67	0.0	-1.31e-05	-97.49	0.0	-319.88	-364.15	0.0	0.0	0.0	481.67
		257.64	0.0	0.0		8.1	-319.88	-359.28	0.0	0.0	0.0	452.28
						16.3	-319.88	-354.41	0.0	0.0	0.0	423.29
						24.4	-319.88	-349.54	0.0	0.0	0.0	394.69
						32.5	-319.88	-344.67	0.0	0.0	0.0	366.49
						40.6	-319.88	-339.80	0.0	0.0	0.0	338.68
						48.8	-319.88	-334.93	0.0	0.0	0.0	311.27
						56.9	-319.88	-330.06	0.0	0.0	0.0	284.26
					65.0	-319.88	-325.18	0.0	0.0	0.0	257.64	
2	11	680.83	0.0	-5.78e-06	-103.43	0.0	-266.04	-393.28	0.0	0.0	0.0	680.83
		439.12	0.0	0.0		8.1	-266.04	-387.93	0.0	0.0	0.0	649.10
						16.3	-266.04	-382.57	0.0	0.0	0.0	617.79
						24.4	-266.04	-377.22	0.0	0.0	0.0	586.93
						32.5	-266.04	-371.86	0.0	0.0	0.0	556.50
						40.6	-266.04	-366.51	0.0	0.0	0.0	526.50
						48.8	-266.04	-361.15	0.0	0.0	0.0	496.94
						56.9	-266.04	-355.79	0.0	0.0	0.0	467.81
					65.0	-266.04	-350.44	0.0	0.0	0.0	439.12	
2	12	854.34	0.0	-3.32e-05	-107.18	0.0	-230.02	-453.16	0.0	0.0	0.0	854.34
		574.46	0.0	0.0		8.1	-230.02	-447.53	0.0	0.0	0.0	817.75
						16.3	-230.02	-441.88	0.0	0.0	0.0	781.61
						24.4	-230.02	-436.24	0.0	0.0	0.0	745.94
						32.5	-230.02	-430.59	0.0	0.0	0.0	710.72
						40.6	-230.02	-424.94	0.0	0.0	0.0	675.97
						48.8	-230.02	-419.28	0.0	0.0	0.0	641.67
						56.9	-230.02	-413.62	0.0	0.0	0.0	607.84
					65.0	-230.02	-407.96	0.0	0.0	0.0	574.46	
2	13	885.31	0.0	-5.01e-05	-117.67	0.0	-304.85	-502.42	0.0	0.0	0.0	885.31
		575.60	0.0	0.0		8.1	-304.85	-495.94	0.0	0.0	0.0	844.75
						16.3	-304.85	-489.46	0.0	0.0	0.0	804.72
						24.4	-304.85	-482.97	0.0	0.0	0.0	765.21
						32.5	-304.85	-476.48	0.0	0.0	0.0	726.23
						40.6	-304.85	-469.98	0.0	0.0	0.0	687.78
						48.8	-304.85	-463.48	0.0	0.0	0.0	649.86
						56.9	-304.85	-456.97	0.0	0.0	0.0	612.47
					65.0	-304.85	-450.46	0.0	0.0	0.0	575.60	
2	14	458.81	0.0	-1.83e-05	-94.94	0.0	-304.65	-347.18	0.0	0.0	0.0	458.81
		245.26	0.0	0.0		8.1	-304.65	-342.52	0.0	0.0	0.0	430.79
						16.3	-304.65	-337.87	0.0	0.0	0.0	403.15
						24.4	-304.65	-333.21	0.0	0.0	0.0	375.89
						32.5	-304.65	-328.55	0.0	0.0	0.0	349.00
						40.6	-304.65	-323.88	0.0	0.0	0.0	322.50
						48.8	-304.65	-319.22	0.0	0.0	0.0	296.37
						56.9	-304.65	-314.56	0.0	0.0	0.0	270.63
					65.0	-304.65	-309.89	0.0	0.0	0.0	245.26	
2	15	610.48	0.0	-1.24e-05	-99.50	0.0	-265.39	-368.90	0.0	0.0	0.0	610.48
		383.78	0.0	0.0		8.1	-265.39	-363.87	0.0	0.0	0.0	580.71

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						16.3	-265.39	-358.84	0.0	0.0	0.0	551.35
						24.4	-265.39	-353.81	0.0	0.0	0.0	522.39
						32.5	-265.39	-348.77	0.0	0.0	0.0	493.85
						40.6	-265.39	-343.74	0.0	0.0	0.0	465.72
						48.8	-265.39	-338.70	0.0	0.0	0.0	438.00
						56.9	-265.39	-333.66	0.0	0.0	0.0	410.68
						65.0	-265.39	-328.63	0.0	0.0	0.0	383.78
2	16	738.31	0.0	-3.34e-05	-102.21	0.0	-237.26	-413.94	0.0	0.0	0.0	738.31
		482.87	0.0	0.0		8.1	-237.26	-408.71	0.0	0.0	0.0	704.89
						16.3	-237.26	-403.47	0.0	0.0	0.0	671.89
						24.4	-237.26	-398.23	0.0	0.0	0.0	639.32
						32.5	-237.26	-392.98	0.0	0.0	0.0	607.18
						40.6	-237.26	-387.74	0.0	0.0	0.0	575.46
						48.8	-237.26	-382.48	0.0	0.0	0.0	544.17
						56.9	-237.26	-377.23	0.0	0.0	0.0	513.31
						65.0	-237.26	-371.97	0.0	0.0	0.0	482.87
2	17	763.83	0.0	-4.57e-05	-110.19	0.0	-294.50	-450.75	0.0	0.0	0.0	763.83
		486.14	0.0	0.0		8.1	-294.50	-444.88	0.0	0.0	0.0	727.45
						16.3	-294.50	-439.00	0.0	0.0	0.0	691.54
						24.4	-294.50	-433.12	0.0	0.0	0.0	656.11
						32.5	-294.50	-427.23	0.0	0.0	0.0	621.16
						40.6	-294.50	-421.34	0.0	0.0	0.0	586.68
						48.8	-294.50	-415.44	0.0	0.0	0.0	552.69
						56.9	-294.50	-409.54	0.0	0.0	0.0	519.17
						65.0	-294.50	-403.64	0.0	0.0	0.0	486.14
2	18	372.47	0.0	-3.61e-05	-86.62	0.0	-252.31	-296.20	0.0	0.0	0.0	372.47
		190.27	0.0	0.0		8.1	-252.31	-292.24	0.0	0.0	0.0	348.57
						16.3	-252.31	-288.27	0.0	0.0	0.0	324.98
						24.4	-252.31	-284.30	0.0	0.0	0.0	301.72
						32.5	-252.31	-280.32	0.0	0.0	0.0	278.78
						40.6	-252.31	-276.34	0.0	0.0	0.0	256.17
						48.8	-252.31	-272.36	0.0	0.0	0.0	233.88
						56.9	-252.31	-268.37	0.0	0.0	0.0	211.91
						65.0	-252.31	-264.38	0.0	0.0	0.0	190.27
19	1	287.34	0.0	9.57e-04	-140.86	0.0	-415.52	-47.10	0.0	0.0	0.0	-1374.08
		-1386.09	0.0	0.0		86.6	-415.52	29.09	0.0	0.0	0.0	-1381.61
						173.1	-415.52	102.05	0.0	0.0	0.0	-1324.65
						259.7	-415.52	172.73	0.0	0.0	0.0	-1205.59
						346.3	-415.52	241.97	0.0	0.0	0.0	-1026.03
						432.8	-415.52	310.54	0.0	0.0	0.0	-786.88
						519.4	-415.52	379.07	0.0	0.0	0.0	-488.42
						605.9	-415.52	447.99	0.0	0.0	0.0	-130.50
						692.5	-415.52	517.51	0.0	0.0	0.0	287.34
19	2	733.37	0.0	4.74e-04	-139.39	0.0	-303.13	3.40	0.0	0.0	0.0	-1337.26
		-1337.26	0.0	0.0		86.6	-303.13	79.01	0.0	0.0	0.0	-1301.43
						173.1	-303.13	152.80	0.0	0.0	0.0	-1201.00
						259.7	-303.13	225.62	0.0	0.0	0.0	-1037.17
						346.3	-303.13	298.22	0.0	0.0	0.0	-810.46
						432.8	-303.13	371.25	0.0	0.0	0.0	-520.75
						519.4	-303.13	445.15	0.0	0.0	0.0	-167.48
						605.9	-303.13	520.17	0.0	0.0	0.0	250.24
						692.5	-303.13	596.27	0.0	0.0	0.0	733.37
19	3	953.95	0.0	9.80e-04	-143.55	0.0	-307.89	23.68	0.0	0.0	0.0	-1219.53
		-1219.53	0.0	0.0		86.6	-307.89	95.16	0.0	0.0	0.0	-1168.04
						173.1	-307.89	166.24	0.0	0.0	0.0	-1054.91
						259.7	-307.89	237.67	0.0	0.0	0.0	-880.14
						346.3	-307.89	310.12	0.0	0.0	0.0	-643.15
						432.8	-307.89	384.10	0.0	0.0	0.0	-342.81
						519.4	-307.89	459.96	0.0	0.0	0.0	22.36
						605.9	-307.89	537.80	0.0	0.0	0.0	454.06
						692.5	-307.89	617.46	0.0	0.0	0.0	953.95
19	4	877.73	0.0	8.61e-04	-157.01	0.0	-362.93	-7.18	0.0	0.0	0.0	-1415.78
		-1415.78	0.0	0.0		86.6	-362.93	77.30	0.0	0.0	0.0	-1385.32
						173.1	-362.93	160.72	0.0	0.0	0.0	-1282.26
						259.7	-362.93	244.01	0.0	0.0	0.0	-1107.11
						346.3	-362.93	327.97	0.0	0.0	0.0	-859.63
						432.8	-362.93	413.28	0.0	0.0	0.0	-538.92
						519.4	-362.93	500.41	0.0	0.0	0.0	-143.61
						605.9	-362.93	589.61	0.0	0.0	0.0	328.01
						692.5	-362.93	680.80	0.0	0.0	0.0	877.73
19	5	97.93	0.0	5.36e-04	-125.50	0.0	-357.97	-71.83	0.0	0.0	0.0	-1097.72
		-1132.23	0.0	0.0		86.6	-357.97	-8.32	0.0	0.0	0.0	-1132.23
						173.1	-357.97	53.09	0.0	0.0	0.0	-1112.73
						259.7	-357.97	113.17	0.0	0.0	0.0	-1040.70

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						346.3	-357.97	172.65	0.0	0.0	0.0	-916.98
						432.8	-357.97	232.21	0.0	0.0	0.0	-741.78
						519.4	-357.97	292.41	0.0	0.0	0.0	-514.78
						605.9	-357.97	353.68	0.0	0.0	0.0	-235.23
						692.5	-357.97	416.28	0.0	0.0	0.0	97.93
19	6	367.05	0.0	5.71e-04	-128.80	0.0	-302.59	-46.34	0.0	0.0	0.0	-1051.42
		-1064.54	0.0	0.0		86.6	-302.59	17.19	0.0	0.0	0.0	-1063.92
						173.1	-302.59	79.48	0.0	0.0	0.0	-1022.02
						259.7	-302.59	141.24	0.0	0.0	0.0	-926.48
						346.3	-302.59	203.14	0.0	0.0	0.0	-777.46
						432.8	-302.59	265.76	0.0	0.0	0.0	-574.58
						519.4	-302.59	329.57	0.0	0.0	0.0	-317.02
						605.9	-302.59	394.86	0.0	0.0	0.0	-3.59
						692.5	-302.59	461.75	0.0	0.0	0.0	367.05
19	7	468.27	0.0	9.06e-04	-130.56	0.0	-298.18	-32.51	0.0	0.0	0.0	-1011.86
		-1019.31	0.0	0.0		86.6	-298.18	28.39	0.0	0.0	0.0	-1013.58
						173.1	-298.18	88.75	0.0	0.0	0.0	-962.87
						259.7	-298.18	149.25	0.0	0.0	0.0	-859.90
						346.3	-298.18	210.51	0.0	0.0	0.0	-704.27
						432.8	-298.18	273.08	0.0	0.0	0.0	-495.07
						519.4	-298.18	337.35	0.0	0.0	0.0	-231.01
						605.9	-298.18	403.58	0.0	0.0	0.0	89.53
						692.5	-298.18	471.81	0.0	0.0	0.0	468.27
19	8	447.24	0.0	8.64e-04	-138.77	0.0	-335.81	-52.22	0.0	0.0	0.0	-1095.04
		-1110.53	0.0	0.0		86.6	-335.81	16.24	0.0	0.0	0.0	-1110.53
						173.1	-335.81	83.88	0.0	0.0	0.0	-1067.17
						259.7	-335.81	151.46	0.0	0.0	0.0	-965.33
						346.3	-335.81	219.67	0.0	0.0	0.0	-804.78
						432.8	-335.81	289.11	0.0	0.0	0.0	-584.68
						519.4	-335.81	360.27	0.0	0.0	0.0	-303.76
						605.9	-335.81	433.44	0.0	0.0	0.0	39.62
						692.5	-335.81	508.72	0.0	0.0	0.0	447.24
19	9	-5.67	0.0	4.98e-04	-85.03	0.0	-270.61	-62.57	0.0	0.0	0.0	-586.48
		-631.94	0.0	0.0		86.6	-270.61	-25.83	0.0	0.0	0.0	-624.68
						173.1	-270.61	10.27	0.0	0.0	0.0	-631.38
						259.7	-270.61	46.18	0.0	0.0	0.0	-606.95
						346.3	-270.61	82.31	0.0	0.0	0.0	-551.37
						432.8	-270.61	119.06	0.0	0.0	0.0	-464.28
						519.4	-270.61	156.78	0.0	0.0	0.0	-344.97
						605.9	-270.61	195.75	0.0	0.0	0.0	-192.49
						692.5	-270.61	236.14	0.0	0.0	0.0	-5.67
19	10	207.69	0.0	7.19e-04	-104.25	0.0	-305.89	-34.09	0.0	0.0	0.0	-1024.96
		-1033.52	0.0	0.0		86.6	-305.89	22.25	0.0	0.0	0.0	-1029.88
						173.1	-305.89	76.19	0.0	0.0	0.0	-987.13
						259.7	-305.89	128.41	0.0	0.0	0.0	-898.48
						346.3	-305.89	179.55	0.0	0.0	0.0	-765.14
						432.8	-305.89	230.19	0.0	0.0	0.0	-587.78
						519.4	-305.89	280.78	0.0	0.0	0.0	-366.64
						605.9	-305.89	331.66	0.0	0.0	0.0	-101.59
						692.5	-305.89	382.99	0.0	0.0	0.0	207.69
19	11	543.67	0.0	3.51e-04	-103.24	0.0	-224.49	2.64	0.0	0.0	0.0	-990.92
		-990.92	0.0	0.0		86.6	-224.49	58.65	0.0	0.0	0.0	-964.27
						173.1	-224.49	113.31	0.0	0.0	0.0	-889.77
						259.7	-224.49	167.24	0.0	0.0	0.0	-768.31
						346.3	-224.49	221.02	0.0	0.0	0.0	-600.28
						432.8	-224.49	275.11	0.0	0.0	0.0	-385.59
						519.4	-224.49	329.85	0.0	0.0	0.0	-123.81
						605.9	-224.49	385.41	0.0	0.0	0.0	185.70
						692.5	-224.49	441.78	0.0	0.0	0.0	543.67
19	12	701.48	0.0	7.16e-04	-106.14	0.0	-226.16	18.34	0.0	0.0	0.0	-910.48
		-910.48	0.0	0.0		86.6	-226.16	71.20	0.0	0.0	0.0	-871.69
						173.1	-226.16	123.73	0.0	0.0	0.0	-787.32
						259.7	-226.16	176.51	0.0	0.0	0.0	-657.41
						346.3	-226.16	230.03	0.0	0.0	0.0	-481.52
						432.8	-226.16	284.67	0.0	0.0	0.0	-258.84
						519.4	-226.16	340.70	0.0	0.0	0.0	11.72
						605.9	-226.16	398.19	0.0	0.0	0.0	331.42
						692.5	-226.16	457.03	0.0	0.0	0.0	701.48
19	13	650.60	0.0	6.38e-04	-116.30	0.0	-268.78	-5.19	0.0	0.0	0.0	-1049.08
		-1049.08	0.0	0.0		86.6	-268.78	57.38	0.0	0.0	0.0	-1026.41
						173.1	-268.78	119.17	0.0	0.0	0.0	-949.96
						259.7	-268.78	180.86	0.0	0.0	0.0	-820.12
						346.3	-268.78	243.05	0.0	0.0	0.0	-636.70
						432.8	-268.78	306.24	0.0	0.0	0.0	-399.05

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						519.4	-268.78	370.78	0.0	0.0	0.0	-106.13
						605.9	-268.78	436.85	0.0	0.0	0.0	243.31
						692.5	-268.78	504.40	0.0	0.0	0.0	650.60
19	14	235.73	0.0	5.11e-04	-99.52	0.0	-293.95	-28.46	0.0	0.0	0.0	-946.24
		-952.79	0.0	0.0		86.6	-293.95	23.99	0.0	0.0	0.0	-948.00
						173.1	-293.95	74.41	0.0	0.0	0.0	-905.28
						259.7	-293.95	123.44	0.0	0.0	0.0	-819.57
						346.3	-293.95	171.65	0.0	0.0	0.0	-691.82
						432.8	-293.95	219.57	0.0	0.0	0.0	-522.48
						519.4	-293.95	267.62	0.0	0.0	0.0	-311.64
						605.9	-293.95	316.08	0.0	0.0	0.0	-59.04
						692.5	-293.95	365.07	0.0	0.0	0.0	235.73
19	15	491.14	0.0	3.37e-04	-98.99	0.0	-234.03	-1.32	0.0	0.0	0.0	-916.55
		-916.55	0.0	0.0		86.6	-234.03	50.93	0.0	0.0	0.0	-894.97
						173.1	-234.03	101.96	0.0	0.0	0.0	-828.72
						259.7	-234.03	152.35	0.0	0.0	0.0	-718.63
						346.3	-234.03	202.63	0.0	0.0	0.0	-565.00
						432.8	-234.03	253.24	0.0	0.0	0.0	-367.73
						519.4	-234.03	304.49	0.0	0.0	0.0	-126.39
						605.9	-234.03	356.56	0.0	0.0	0.0	159.66
						692.5	-234.03	409.44	0.0	0.0	0.0	491.14
19	16	606.07	0.0	5.82e-04	-101.22	0.0	-234.16	10.86	0.0	0.0	0.0	-860.38
		-860.38	0.0	0.0		86.6	-234.16	60.70	0.0	0.0	0.0	-829.35
						173.1	-234.16	110.07	0.0	0.0	0.0	-755.42
						259.7	-234.16	159.52	0.0	0.0	0.0	-638.77
						346.3	-234.16	209.51	0.0	0.0	0.0	-479.10
						432.8	-234.16	260.44	0.0	0.0	0.0	-275.78
						519.4	-234.16	312.56	0.0	0.0	0.0	-27.87
						605.9	-234.16	365.97	0.0	0.0	0.0	265.71
						692.5	-234.16	420.60	0.0	0.0	0.0	606.07
19	17	571.34	0.0	5.47e-04	-108.95	0.0	-267.26	-7.20	0.0	0.0	0.0	-960.17
		-960.17	0.0	0.0		86.6	-267.26	49.98	0.0	0.0	0.0	-941.57
						173.1	-267.26	106.36	0.0	0.0	0.0	-873.87
						259.7	-267.26	162.57	0.0	0.0	0.0	-757.48
						346.3	-267.26	219.16	0.0	0.0	0.0	-592.31
						432.8	-267.26	276.59	0.0	0.0	0.0	-377.82
						519.4	-267.26	335.19	0.0	0.0	0.0	-113.13
						605.9	-267.26	395.14	0.0	0.0	0.0	202.87
						692.5	-267.26	456.40	0.0	0.0	0.0	571.34
19	18	300.87	0.0	3.07e-04	-85.73	0.0	-251.12	-8.63	0.0	0.0	0.0	-736.28
		-736.28	0.0	0.0		86.6	-251.12	31.81	0.0	0.0	0.0	-726.16
						173.1	-251.12	71.27	0.0	0.0	0.0	-681.49
						259.7	-251.12	110.22	0.0	0.0	0.0	-602.92
						346.3	-251.12	149.11	0.0	0.0	0.0	-490.68
						432.8	-251.12	188.31	0.0	0.0	0.0	-344.67
						519.4	-251.12	228.11	0.0	0.0	0.0	-164.49
						605.9	-251.12	268.67	0.0	0.0	0.0	50.46
						692.5	-251.12	310.04	0.0	0.0	0.0	300.87
20	1	640.89	0.0	4.07e-05	-131.70	0.0	-394.42	517.82	0.0	0.0	0.0	287.23
		287.23	0.0	0.0		8.1	-394.42	524.37	0.0	0.0	0.0	329.57
						16.3	-394.42	530.94	0.0	0.0	0.0	372.45
						24.4	-394.42	537.50	0.0	0.0	0.0	415.85
						32.5	-394.42	544.07	0.0	0.0	0.0	459.79
						40.6	-394.42	550.65	0.0	0.0	0.0	504.26
						48.8	-394.42	557.22	0.0	0.0	0.0	549.27
						56.9	-394.42	563.81	0.0	0.0	0.0	594.81
						65.0	-394.42	570.39	0.0	0.0	0.0	640.89
20	2	1139.77	0.0	4.82e-05	-139.55	0.0	-314.51	596.58	0.0	0.0	0.0	733.27
		733.27	0.0	0.0		8.1	-314.51	603.77	0.0	0.0	0.0	782.03
						16.3	-314.51	610.97	0.0	0.0	0.0	831.38
						24.4	-314.51	618.17	0.0	0.0	0.0	881.32
						32.5	-314.51	625.38	0.0	0.0	0.0	931.84
						40.6	-314.51	632.59	0.0	0.0	0.0	982.94
						48.8	-314.51	639.81	0.0	0.0	0.0	1034.63
						56.9	-314.51	647.03	0.0	0.0	0.0	1086.91
						65.0	-314.51	654.25	0.0	0.0	0.0	1139.77
20	3	1375.11	0.0	9.45e-05	-144.50	0.0	-319.38	617.80	0.0	0.0	0.0	953.84
		953.84	0.0	0.0		8.1	-319.38	625.35	0.0	0.0	0.0	1004.34
						16.3	-319.38	632.92	0.0	0.0	0.0	1055.46
						24.4	-319.38	640.50	0.0	0.0	0.0	1107.19
						32.5	-319.38	648.09	0.0	0.0	0.0	1159.54
						40.6	-319.38	655.69	0.0	0.0	0.0	1212.51
						48.8	-319.38	663.29	0.0	0.0	0.0	1266.09
						56.9	-319.38	670.91	0.0	0.0	0.0	1320.29

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3	
20	4	1342.95	0.0	1.18e-04	-158.18	65.0	-319.38	678.53	0.0	0.0	0.0	1375.11	
		877.60	0.0	0.0		0.0	-382.99	681.20	0.0	0.0	0.0	877.60	
						8.1	-382.99	689.85	0.0	0.0	0.0	0.0	933.30
						16.3	-382.99	698.52	0.0	0.0	0.0	0.0	989.70
						24.4	-382.99	707.19	0.0	0.0	0.0	0.0	1046.81
						32.5	-382.99	715.88	0.0	0.0	0.0	0.0	1104.62
						40.6	-382.99	724.59	0.0	0.0	0.0	0.0	1163.14
						48.8	-382.99	733.30	0.0	0.0	0.0	0.0	1222.37
20	5	384.14	0.0	1.17e-04	-124.92	56.9	-382.99	742.02	0.0	0.0	0.0	1282.30	
		97.83	0.0	0.0		65.0	-382.99	750.76	0.0	0.0	0.0	1342.95	
						0.0	-327.53	416.59	0.0	0.0	0.0	0.0	97.83
						8.1	-327.53	422.53	0.0	0.0	0.0	0.0	131.92
						16.3	-327.53	428.49	0.0	0.0	0.0	0.0	166.49
						24.4	-327.53	434.47	0.0	0.0	0.0	0.0	201.55
						32.5	-327.53	440.45	0.0	0.0	0.0	0.0	237.09
						40.6	-327.53	446.45	0.0	0.0	0.0	0.0	273.12
20	6	683.89	0.0	1.19e-04	-129.99	48.8	-327.53	452.45	0.0	0.0	0.0	309.64	
		366.95	0.0	0.0		56.9	-327.53	458.47	0.0	0.0	0.0	346.64	
						65.0	-327.53	464.50	0.0	0.0	0.0	0.0	384.14
						0.0	-290.18	462.06	0.0	0.0	0.0	0.0	366.95
						8.1	-290.18	468.41	0.0	0.0	0.0	0.0	404.75
						16.3	-290.18	474.79	0.0	0.0	0.0	0.0	443.06
						24.4	-290.18	481.17	0.0	0.0	0.0	0.0	481.90
						32.5	-290.18	487.57	0.0	0.0	0.0	0.0	521.25
20	7	792.04	0.0	1.47e-04	-132.03	40.6	-290.18	493.97	0.0	0.0	0.0	561.13	
		468.17	0.0	0.0		48.8	-290.18	500.40	0.0	0.0	0.0	601.53	
						56.9	-290.18	506.83	0.0	0.0	0.0	0.0	642.44
						65.0	-290.18	513.27	0.0	0.0	0.0	0.0	683.89
						0.0	-285.83	472.13	0.0	0.0	0.0	0.0	468.17
						8.1	-285.83	478.63	0.0	0.0	0.0	0.0	506.79
						16.3	-285.83	485.15	0.0	0.0	0.0	0.0	545.94
						24.4	-285.83	491.69	0.0	0.0	0.0	0.0	585.63
20	8	796.76	0.0	1.58e-04	-140.35	32.5	-285.83	498.24	0.0	0.0	0.0	625.84	
		447.13	0.0	0.0		40.6	-285.83	504.80	0.0	0.0	0.0	666.59	
						48.8	-285.83	511.38	0.0	0.0	0.0	0.0	707.87
						56.9	-285.83	517.97	0.0	0.0	0.0	0.0	749.69
						65.0	-285.83	524.58	0.0	0.0	0.0	0.0	792.04
						0.0	-328.22	509.07	0.0	0.0	0.0	0.0	447.13
						8.1	-328.22	516.24	0.0	0.0	0.0	0.0	488.78
						16.3	-328.22	523.42	0.0	0.0	0.0	0.0	531.02
20	9	158.02	0.0	1.30e-04	-86.33	24.4	-328.22	530.63	0.0	0.0	0.0	573.84	
		-5.74	0.0	0.0		32.5	-328.22	537.85	0.0	0.0	0.0	617.25	
						40.6	-328.22	545.08	0.0	0.0	0.0	0.0	661.24
						48.8	-328.22	552.34	0.0	0.0	0.0	0.0	705.82
						56.9	-328.22	559.60	0.0	0.0	0.0	0.0	751.00
						65.0	-328.22	566.89	0.0	0.0	0.0	0.0	796.76
						0.0	-235.28	236.36	0.0	0.0	0.0	0.0	-5.74
						8.1	-235.28	240.22	0.0	0.0	0.0	0.0	13.62
20	10	469.31	0.0	3.05e-05	-97.36	16.3	-235.28	244.11	0.0	0.0	0.0	33.29	
		207.61	0.0	0.0		24.4	-235.28	248.00	0.0	0.0	0.0	53.28	
						32.5	-235.28	251.91	0.0	0.0	0.0	0.0	73.59
						40.6	-235.28	255.83	0.0	0.0	0.0	0.0	94.22
						48.8	-235.28	259.76	0.0	0.0	0.0	0.0	115.17
						56.9	-235.28	263.71	0.0	0.0	0.0	0.0	136.43
						65.0	-235.28	267.67	0.0	0.0	0.0	0.0	158.02
						0.0	-290.26	383.22	0.0	0.0	0.0	0.0	207.61
20	11	844.77	0.0	3.56e-05	-103.37	8.1	-290.26	388.06	0.0	0.0	0.0	238.95	
		543.59	0.0	0.0		16.3	-290.26	392.91	0.0	0.0	0.0	270.67	
						24.4	-290.26	397.75	0.0	0.0	0.0	0.0	302.79
						32.5	-290.26	402.61	0.0	0.0	0.0	0.0	335.31
						40.6	-290.26	407.46	0.0	0.0	0.0	0.0	368.22
						48.8	-290.26	412.32	0.0	0.0	0.0	0.0	401.52
						56.9	-290.26	417.18	0.0	0.0	0.0	0.0	435.22
						65.0	-290.26	422.04	0.0	0.0	0.0	0.0	469.31
20	12	1013.18	0.0	7.03e-05	-106.84	0.0	-232.92	442.01	0.0	0.0	0.0	543.59	
						8.1	-232.92	447.34	0.0	0.0	0.0	0.0	579.72
						16.3	-232.92	452.67	0.0	0.0	0.0	0.0	616.29
						24.4	-232.92	458.00	0.0	0.0	0.0	0.0	653.28
						32.5	-232.92	463.34	0.0	0.0	0.0	0.0	690.71
						40.6	-232.92	468.68	0.0	0.0	0.0	0.0	728.58
						48.8	-232.92	474.03	0.0	0.0	0.0	0.0	766.87
						56.9	-232.92	479.38	0.0	0.0	0.0	0.0	805.61
				65.0	-232.92	484.73	0.0	0.0	0.0	0.0	844.77		
20	12	1013.18	0.0	7.03e-05	-106.84	0.0	-234.67	457.28	0.0	0.0	0.0	701.40	

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		701.40	0.0	0.0		8.1	-234.67	462.86	0.0	0.0	0.0	738.78
						16.3	-234.67	468.45	0.0	0.0	0.0	776.61
						24.4	-234.67	474.05	0.0	0.0	0.0	814.90
						32.5	-234.67	479.65	0.0	0.0	0.0	853.64
						40.6	-234.67	485.27	0.0	0.0	0.0	892.84
						48.8	-234.67	490.89	0.0	0.0	0.0	932.50
						56.9	-234.67	496.51	0.0	0.0	0.0	972.61
						65.0	-234.67	502.14	0.0	0.0	0.0	1013.18
20	13	995.27	0.0	8.70e-05	-117.17	0.0	-283.64	504.69	0.0	0.0	0.0	650.51
		650.51	0.0	0.0		8.1	-283.64	511.10	0.0	0.0	0.0	691.77
						16.3	-283.64	517.52	0.0	0.0	0.0	733.56
						24.4	-283.64	523.95	0.0	0.0	0.0	775.87
						32.5	-283.64	530.38	0.0	0.0	0.0	818.70
						40.6	-283.64	536.83	0.0	0.0	0.0	862.06
						48.8	-283.64	543.28	0.0	0.0	0.0	905.94
						56.9	-283.64	549.75	0.0	0.0	0.0	950.34
						65.0	-283.64	556.22	0.0	0.0	0.0	995.27
20	14	485.15	0.0	3.58e-05	-94.76	0.0	-284.35	365.30	0.0	0.0	0.0	235.65
		235.65	0.0	0.0		8.1	-284.35	369.93	0.0	0.0	0.0	265.52
						16.3	-284.35	374.55	0.0	0.0	0.0	295.77
						24.4	-284.35	379.19	0.0	0.0	0.0	326.39
						32.5	-284.35	383.83	0.0	0.0	0.0	357.39
						40.6	-284.35	388.47	0.0	0.0	0.0	388.76
						48.8	-284.35	393.11	0.0	0.0	0.0	420.51
						56.9	-284.35	397.76	0.0	0.0	0.0	452.64
						65.0	-284.35	402.41	0.0	0.0	0.0	485.15
20	15	770.37	0.0	3.93e-05	-99.38	0.0	-242.47	409.67	0.0	0.0	0.0	491.07
		491.07	0.0	0.0		8.1	-242.47	414.67	0.0	0.0	0.0	524.55
						16.3	-242.47	419.67	0.0	0.0	0.0	558.45
						24.4	-242.47	424.68	0.0	0.0	0.0	592.75
						32.5	-242.47	429.69	0.0	0.0	0.0	627.46
						40.6	-242.47	434.71	0.0	0.0	0.0	662.58
						48.8	-242.47	439.73	0.0	0.0	0.0	698.10
						56.9	-242.47	444.75	0.0	0.0	0.0	734.03
						65.0	-242.47	449.78	0.0	0.0	0.0	770.37
20	16	893.05	0.0	6.56e-05	-101.87	0.0	-242.66	420.84	0.0	0.0	0.0	605.99
		605.99	0.0	0.0		8.1	-242.66	426.02	0.0	0.0	0.0	640.40
						16.3	-242.66	431.21	0.0	0.0	0.0	675.22
						24.4	-242.66	436.41	0.0	0.0	0.0	710.47
						32.5	-242.66	441.61	0.0	0.0	0.0	746.14
						40.6	-242.66	446.82	0.0	0.0	0.0	782.23
						48.8	-242.66	452.04	0.0	0.0	0.0	818.75
						56.9	-242.66	457.26	0.0	0.0	0.0	855.69
						65.0	-242.66	462.49	0.0	0.0	0.0	893.05
20	17	883.25	0.0	7.79e-05	-109.73	0.0	-280.51	456.68	0.0	0.0	0.0	571.25
		571.25	0.0	0.0		8.1	-280.51	462.49	0.0	0.0	0.0	608.59
						16.3	-280.51	468.31	0.0	0.0	0.0	646.40
						24.4	-280.51	474.14	0.0	0.0	0.0	684.69
						32.5	-280.51	479.97	0.0	0.0	0.0	723.45
						40.6	-280.51	485.82	0.0	0.0	0.0	762.69
						48.8	-280.51	491.67	0.0	0.0	0.0	802.40
						56.9	-280.51	497.53	0.0	0.0	0.0	842.58
						65.0	-280.51	503.39	0.0	0.0	0.0	883.25
20	18	512.70	0.0	5.28e-05	-86.26	0.0	-259.61	310.26	0.0	0.0	0.0	300.80
		300.80	0.0	0.0		8.1	-259.61	314.18	0.0	0.0	0.0	326.17
						16.3	-259.61	318.11	0.0	0.0	0.0	351.86
						24.4	-259.61	322.04	0.0	0.0	0.0	377.86
						32.5	-259.61	325.98	0.0	0.0	0.0	404.19
						40.6	-259.61	329.92	0.0	0.0	0.0	430.84
						48.8	-259.61	333.87	0.0	0.0	0.0	457.80
						56.9	-259.61	337.83	0.0	0.0	0.0	485.09
						65.0	-259.61	341.79	0.0	0.0	0.0	512.70
21	1	1454.07	0.0	5.95e-03	-200.39	0.0	-456.58	-851.95	0.0	0.0	0.0	1454.07
		-1374.08	0.0	0.0		85.3	-456.58	-727.43	0.0	0.0	0.0	780.84
						170.6	-456.58	-609.83	0.0	0.0	0.0	210.92
						255.9	-456.58	-499.47	0.0	0.0	0.0	-261.75
						341.3	-456.58	-396.33	0.0	0.0	0.0	-643.35
						426.6	-456.58	-300.12	0.0	0.0	0.0	-939.96
						511.9	-456.58	-210.33	0.0	0.0	0.0	-1157.27
						597.2	-456.58	-126.25	0.0	0.0	0.0	-1300.46
						682.5	-456.58	-47.10	0.0	0.0	0.0	-1374.08
21	2	1014.17	0.0	4.88e-03	-188.18	0.0	-284.43	-750.09	0.0	0.0	0.0	1014.17
		-1337.26	0.0	0.0		85.3	-284.43	-635.71	0.0	0.0	0.0	423.47
						170.6	-284.43	-527.49	0.0	0.0	0.0	-72.26

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						255.9	-284.43	-425.56	0.0	0.0	0.0	-478.35
						341.3	-284.43	-329.73	0.0	0.0	0.0	-800.10
						426.6	-284.43	-239.58	0.0	0.0	0.0	-1042.56
						511.9	-284.43	-154.52	0.0	0.0	0.0	-1210.34
						597.2	-284.43	-73.80	0.0	0.0	0.0	-1307.45
						682.5	-284.43	3.40	0.0	0.0	0.0	-1337.26
21	3	747.95	0.0	3.41e-03	-167.83	0.0	-289.03	-640.79	0.0	0.0	0.0	747.95
		-1222.05	0.0	0.0		85.3	-289.03	-543.06	0.0	0.0	0.0	243.29
						170.6	-289.03	-450.01	0.0	0.0	0.0	-179.98
						255.9	-289.03	-361.67	0.0	0.0	0.0	-525.88
						341.3	-289.03	-277.80	0.0	0.0	0.0	-798.35
						426.6	-289.03	-197.97	0.0	0.0	0.0	-1001.03
						511.9	-289.03	-121.60	0.0	0.0	0.0	-1137.12
						597.2	-289.03	-47.97	0.0	0.0	0.0	-1209.28
						682.5	-289.03	23.68	0.0	0.0	0.0	-1219.53
21	4	1189.91	0.0	4.27e-03	-191.92	0.0	-328.86	-807.38	0.0	0.0	0.0	1189.91
		-1415.78	0.0	0.0		85.3	-328.86	-689.41	0.0	0.0	0.0	551.81
						170.6	-328.86	-576.88	0.0	0.0	0.0	12.05
						255.9	-328.86	-469.99	0.0	0.0	0.0	-434.10
						341.3	-328.86	-368.60	0.0	0.0	0.0	-791.43
						426.6	-328.86	-272.30	0.0	0.0	0.0	-1064.47
						511.9	-328.86	-180.48	0.0	0.0	0.0	-1257.32
						597.2	-328.86	-92.40	0.0	0.0	0.0	-1373.48
						682.5	-328.86	-7.18	0.0	0.0	0.0	-1415.78
21	5	1422.56	0.0	4.13e-03	-166.76	0.0	-415.65	-715.95	0.0	0.0	0.0	1422.56
		-1097.72	0.0	0.0		85.3	-415.65	-618.93	0.0	0.0	0.0	853.45
						170.6	-415.65	-526.47	0.0	0.0	0.0	365.21
						255.9	-415.65	-438.97	0.0	0.0	0.0	-46.25
						341.3	-415.65	-356.54	0.0	0.0	0.0	-385.23
						426.6	-415.65	-279.02	0.0	0.0	0.0	-655.99
						511.9	-415.65	-206.08	0.0	0.0	0.0	-862.61
						597.2	-415.65	-137.22	0.0	0.0	0.0	-1008.77
						682.5	-415.65	-71.83	0.0	0.0	0.0	-1097.72
21	6	1219.16	0.0	3.36e-03	-158.58	0.0	-327.12	-659.29	0.0	0.0	0.0	1219.16
		-1051.42	0.0	0.0		85.3	-327.12	-568.95	0.0	0.0	0.0	695.50
						170.6	-327.12	-482.50	0.0	0.0	0.0	247.28
						255.9	-327.12	-400.25	0.0	0.0	0.0	-128.97
						341.3	-327.12	-322.23	0.0	0.0	0.0	-436.86
						426.6	-327.12	-248.26	0.0	0.0	0.0	-679.94
						511.9	-327.12	-177.98	0.0	0.0	0.0	-861.51
						597.2	-327.12	-110.87	0.0	0.0	0.0	-984.52
						682.5	-327.12	-46.34	0.0	0.0	0.0	-1051.42
21	7	1030.27	0.0	2.71e-03	-148.67	0.0	-322.56	-598.63	0.0	0.0	0.0	1030.27
		-1011.86	0.0	0.0		85.3	-322.56	-516.50	0.0	0.0	0.0	554.82
						170.6	-322.56	-437.69	0.0	0.0	0.0	148.05
						255.9	-322.56	-362.42	0.0	0.0	0.0	-193.00
						341.3	-322.56	-290.69	0.0	0.0	0.0	-471.34
						426.6	-322.56	-222.27	0.0	0.0	0.0	-689.92
						511.9	-322.56	-156.78	0.0	0.0	0.0	-851.42
						597.2	-322.56	-93.73	0.0	0.0	0.0	-958.12
						682.5	-322.56	-32.51	0.0	0.0	0.0	-1011.86
21	8	1316.79	0.0	3.02e-03	-160.66	0.0	-351.81	-691.11	0.0	0.0	0.0	1316.79
		-1095.04	0.0	0.0		85.3	-351.81	-598.79	0.0	0.0	0.0	766.80
						170.6	-351.81	-509.94	0.0	0.0	0.0	294.12
						255.9	-351.81	-424.94	0.0	0.0	0.0	-104.39
						341.3	-351.81	-343.83	0.0	0.0	0.0	-432.04
						426.6	-351.81	-266.44	0.0	0.0	0.0	-692.11
						511.9	-351.81	-192.40	0.0	0.0	0.0	-887.61
						597.2	-351.81	-121.20	0.0	0.0	0.0	-1021.20
						682.5	-351.81	-52.22	0.0	0.0	0.0	-1095.04
21	9	956.16	0.0	1.61e-03	-96.54	0.0	-336.60	-409.19	0.0	0.0	0.0	956.16
		-586.48	0.0	0.0		85.3	-336.60	-359.46	0.0	0.0	0.0	628.38
						170.6	-336.60	-311.31	0.0	0.0	0.0	342.38
						255.9	-336.60	-265.05	0.0	0.0	0.0	96.66
						341.3	-336.60	-220.84	0.0	0.0	0.0	-110.45
						426.6	-336.60	-178.66	0.0	0.0	0.0	-280.72
						511.9	-336.60	-138.38	0.0	0.0	0.0	-415.83
						597.2	-336.60	-99.79	0.0	0.0	0.0	-517.31
						682.5	-336.60	-62.57	0.0	0.0	0.0	-586.48
21	10	1065.09	0.0	4.46e-03	-148.82	0.0	-336.29	-630.97	0.0	0.0	0.0	1065.09
		-1024.96	0.0	0.0		85.3	-336.29	-538.45	0.0	0.0	0.0	566.61
						170.6	-336.29	-451.12	0.0	0.0	0.0	144.88
						255.9	-336.29	-369.23	0.0	0.0	0.0	-204.67
						341.3	-336.29	-292.73	0.0	0.0	0.0	-486.66



Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						426.6	-336.29	-221.42	0.0	0.0	0.0	-705.62
						511.9	-336.29	-154.90	0.0	0.0	0.0	-865.82
						597.2	-336.29	-92.66	0.0	0.0	0.0	-971.14
						682.5	-336.29	-34.09	0.0	0.0	0.0	-1024.96
21	11	749.97	0.0	3.62e-03	-139.40	0.0	-210.63	-555.50	0.0	0.0	0.0	749.97
		-990.92	0.0	0.0		85.3	-210.63	-470.76	0.0	0.0	0.0	312.52
						170.6	-210.63	-390.60	0.0	0.0	0.0	-54.57
						255.9	-210.63	-315.09	0.0	0.0	0.0	-355.26
						341.3	-210.63	-244.10	0.0	0.0	0.0	-593.48
						426.6	-210.63	-177.33	0.0	0.0	0.0	-772.96
						511.9	-210.63	-114.32	0.0	0.0	0.0	-897.12
						597.2	-210.63	-54.54	0.0	0.0	0.0	-968.94
						682.5	-210.63	2.64	0.0	0.0	0.0	-990.92
21	12	542.04	0.0	2.57e-03	-124.70	0.0	-212.18	-474.56	0.0	0.0	0.0	542.04
		-912.69	0.0	0.0		85.3	-212.18	-401.88	0.0	0.0	0.0	168.43
						170.6	-212.18	-332.74	0.0	0.0	0.0	-144.68
						255.9	-212.18	-267.15	0.0	0.0	0.0	-400.32
						341.3	-212.18	-204.93	0.0	0.0	0.0	-601.47
						426.6	-212.18	-145.75	0.0	0.0	0.0	-750.86
						511.9	-212.18	-89.17	0.0	0.0	0.0	-850.90
						597.2	-212.18	-34.67	0.0	0.0	0.0	-903.60
						682.5	-212.18	18.34	0.0	0.0	0.0	-910.48
21	13	880.15	0.0	3.17e-03	-142.18	0.0	-243.54	-597.94	0.0	0.0	0.0	880.15
		-1049.08	0.0	0.0		85.3	-243.54	-510.54	0.0	0.0	0.0	407.59
						170.6	-243.54	-427.19	0.0	0.0	0.0	7.88
						255.9	-243.54	-348.00	0.0	0.0	0.0	-322.49
						341.3	-243.54	-272.90	0.0	0.0	0.0	-587.06
						426.6	-243.54	-201.56	0.0	0.0	0.0	-789.19
						511.9	-243.54	-133.56	0.0	0.0	0.0	-931.92
						597.2	-243.54	-68.31	0.0	0.0	0.0	-1017.86
						682.5	-243.54	-5.19	0.0	0.0	0.0	-1049.08
21	14	958.65	0.0	3.96e-03	-139.07	0.0	-313.32	-576.47	0.0	0.0	0.0	958.65
		-946.24	0.0	0.0		85.3	-313.32	-492.01	0.0	0.0	0.0	503.20
						170.6	-313.32	-412.20	0.0	0.0	0.0	117.84
						255.9	-313.32	-337.24	0.0	0.0	0.0	-201.50
						341.3	-313.32	-267.10	0.0	0.0	0.0	-458.95
						426.6	-313.32	-201.58	0.0	0.0	0.0	-658.55
						511.9	-313.32	-140.29	0.0	0.0	0.0	-804.09
						597.2	-313.32	-82.77	0.0	0.0	0.0	-899.00
						682.5	-313.32	-28.46	0.0	0.0	0.0	-946.24
21	15	728.91	0.0	3.30e-03	-131.79	0.0	-220.22	-519.86	0.0	0.0	0.0	728.91
		-916.55	0.0	0.0		85.3	-220.22	-441.40	0.0	0.0	0.0	319.15
						170.6	-220.22	-367.09	0.0	0.0	0.0	-25.42
						255.9	-220.22	-297.01	0.0	0.0	0.0	-308.40
						341.3	-220.22	-231.06	0.0	0.0	0.0	-533.37
						426.6	-220.22	-168.97	0.0	0.0	0.0	-703.75
						511.9	-220.22	-110.33	0.0	0.0	0.0	-822.66
						597.2	-220.22	-54.63	0.0	0.0	0.0	-892.83
						682.5	-220.22	-1.32	0.0	0.0	0.0	-916.55
21	16	566.37	0.0	2.54e-03	-120.98	0.0	-220.23	-459.16	0.0	0.0	0.0	566.37
		-860.38	0.0	0.0		85.3	-220.23	-389.58	0.0	0.0	0.0	204.56
						170.6	-220.23	-323.41	0.0	0.0	0.0	-99.33
						255.9	-220.23	-260.68	0.0	0.0	0.0	-348.24
						341.3	-220.23	-201.25	0.0	0.0	0.0	-545.06
						426.6	-220.23	-144.82	0.0	0.0	0.0	-692.48
						511.9	-220.23	-91.00	0.0	0.0	0.0	-792.91
						597.2	-220.23	-39.28	0.0	0.0	0.0	-848.34
						682.5	-220.23	10.86	0.0	0.0	0.0	-860.38
21	17	826.54	0.0	2.96e-03	-133.87	0.0	-244.90	-551.69	0.0	0.0	0.0	826.54
		-960.17	0.0	0.0		85.3	-244.90	-471.24	0.0	0.0	0.0	390.45
						170.6	-244.90	-394.53	0.0	0.0	0.0	21.42
						255.9	-244.90	-321.70	0.0	0.0	0.0	-283.82
						341.3	-244.90	-252.66	0.0	0.0	0.0	-528.55
						426.6	-244.90	-187.14	0.0	0.0	0.0	-715.92
						511.9	-244.90	-124.75	0.0	0.0	0.0	-848.76
						597.2	-244.90	-64.96	0.0	0.0	0.0	-929.51
						682.5	-244.90	-7.20	0.0	0.0	0.0	-960.17
21	18	595.17	0.0	2.62e-03	-111.22	0.0	-237.33	-412.60	0.0	0.0	0.0	595.17
		-736.28	0.0	0.0		85.3	-237.33	-351.27	0.0	0.0	0.0	269.56
						170.6	-237.33	-293.21	0.0	0.0	0.0	-5.11
						255.9	-237.33	-238.51	0.0	0.0	0.0	-231.68
						341.3	-237.33	-187.09	0.0	0.0	0.0	-413.00
						426.6	-237.33	-138.75	0.0	0.0	0.0	-551.79
						511.9	-237.33	-93.16	0.0	0.0	0.0	-650.53

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						597.2	-237.33	-49.94	0.0	0.0	0.0	-711.42
						682.5	-237.33	-8.63	0.0	0.0	0.0	-736.28
22	1	2135.79	0.0	-5.92e-04	-206.31	0.0	-480.82	-966.70	0.0	0.0	0.0	2135.79
		1454.01	0.0	0.0		9.4	-480.82	-952.14	0.0	0.0	0.0	2045.84
						18.8	-480.82	-937.64	0.0	0.0	0.0	1957.26
						28.1	-480.82	-923.21	0.0	0.0	0.0	1870.03
						37.5	-480.82	-908.84	0.0	0.0	0.0	1784.15
						46.9	-480.82	-894.55	0.0	0.0	0.0	1699.62
						56.3	-480.82	-880.32	0.0	0.0	0.0	1616.42
						65.6	-480.82	-866.17	0.0	0.0	0.0	1534.56
						75.0	-480.82	-852.09	0.0	0.0	0.0	1454.01
22	2	1616.06	0.0	-5.55e-04	-193.73	0.0	-275.17	-855.62	0.0	0.0	0.0	1616.06
		1014.09	0.0	0.0		9.4	-275.17	-842.24	0.0	0.0	0.0	1536.47
						18.8	-275.17	-828.91	0.0	0.0	0.0	1458.14
						28.1	-275.17	-815.65	0.0	0.0	0.0	1381.05
						37.5	-275.17	-802.45	0.0	0.0	0.0	1305.20
						46.9	-275.17	-789.32	0.0	0.0	0.0	1230.59
						56.3	-275.17	-776.26	0.0	0.0	0.0	1157.20
						65.6	-275.17	-763.26	0.0	0.0	0.0	1085.03
						75.0	-275.17	-750.33	0.0	0.0	0.0	1014.09
22	3	1261.97	0.0	-4.25e-04	-172.08	0.0	-279.70	-730.47	0.0	0.0	0.0	1261.97
		747.90	0.0	0.0		9.4	-279.70	-719.10	0.0	0.0	0.0	1194.02
						18.8	-279.70	-707.79	0.0	0.0	0.0	1127.14
						28.1	-279.70	-696.52	0.0	0.0	0.0	1061.31
						37.5	-279.70	-685.30	0.0	0.0	0.0	996.54
						46.9	-279.70	-674.13	0.0	0.0	0.0	932.82
						56.3	-279.70	-663.01	0.0	0.0	0.0	870.14
						65.6	-279.70	-651.95	0.0	0.0	0.0	808.50
						75.0	-279.70	-640.93	0.0	0.0	0.0	747.90
22	4	1835.70	0.0	-4.65e-04	-196.58	0.0	-311.30	-915.30	0.0	0.0	0.0	1835.70
		1189.86	0.0	0.0		9.4	-311.30	-901.64	0.0	0.0	0.0	1750.53
						18.8	-311.30	-888.03	0.0	0.0	0.0	1666.64
						28.1	-311.30	-874.48	0.0	0.0	0.0	1584.02
						37.5	-311.30	-860.97	0.0	0.0	0.0	1502.67
						46.9	-311.30	-847.53	0.0	0.0	0.0	1422.59
						56.3	-311.30	-834.13	0.0	0.0	0.0	1343.76
						65.6	-311.30	-820.80	0.0	0.0	0.0	1266.19
						75.0	-311.30	-807.52	0.0	0.0	0.0	1189.86
22	5	1992.58	0.0	-3.49e-04	-170.25	0.0	-448.88	-804.55	0.0	0.0	0.0	1992.58
		1422.51	0.0	0.0		9.4	-448.88	-793.35	0.0	0.0	0.0	1917.68
						18.8	-448.88	-782.19	0.0	0.0	0.0	1843.83
						28.1	-448.88	-771.07	0.0	0.0	0.0	1771.02
						37.5	-448.88	-759.99	0.0	0.0	0.0	1699.25
						46.9	-448.88	-748.95	0.0	0.0	0.0	1628.52
						56.3	-448.88	-737.95	0.0	0.0	0.0	1558.82
						65.6	-448.88	-726.99	0.0	0.0	0.0	1490.15
						75.0	-448.88	-716.08	0.0	0.0	0.0	1422.51
22	6	1744.36	0.0	-2.98e-04	-161.56	0.0	-341.80	-741.61	0.0	0.0	0.0	1744.36
		1219.09	0.0	0.0		9.4	-341.80	-731.22	0.0	0.0	0.0	1675.32
						18.8	-341.80	-720.87	0.0	0.0	0.0	1607.25
						28.1	-341.80	-710.55	0.0	0.0	0.0	1540.15
						37.5	-341.80	-700.26	0.0	0.0	0.0	1474.02
						46.9	-341.80	-690.01	0.0	0.0	0.0	1408.85
						56.3	-341.80	-679.79	0.0	0.0	0.0	1344.64
						65.6	-341.80	-669.61	0.0	0.0	0.0	1281.39
						75.0	-341.80	-659.47	0.0	0.0	0.0	1219.09
22	7	1507.13	0.0	-2.56e-04	-151.23	0.0	-337.14	-673.31	0.0	0.0	0.0	1507.13
		1030.22	0.0	0.0		9.4	-337.14	-663.89	0.0	0.0	0.0	1444.45
						18.8	-337.14	-654.50	0.0	0.0	0.0	1382.65
						28.1	-337.14	-645.13	0.0	0.0	0.0	1321.73
						37.5	-337.14	-635.80	0.0	0.0	0.0	1261.69
						46.9	-337.14	-626.49	0.0	0.0	0.0	1202.52
						56.3	-337.14	-617.22	0.0	0.0	0.0	1144.22
						65.6	-337.14	-607.98	0.0	0.0	0.0	1086.79
						75.0	-337.14	-598.77	0.0	0.0	0.0	1030.22
22	8	1866.38	0.0	-2.48e-04	-163.14	0.0	-361.88	-774.76	0.0	0.0	0.0	1866.38
		1316.74	0.0	0.0		9.4	-361.88	-764.23	0.0	0.0	0.0	1794.24
						18.8	-361.88	-753.71	0.0	0.0	0.0	1723.09
						28.1	-361.88	-743.23	0.0	0.0	0.0	1652.92
						37.5	-361.88	-732.77	0.0	0.0	0.0	1583.73
						46.9	-361.88	-722.34	0.0	0.0	0.0	1515.52
						56.3	-361.88	-711.95	0.0	0.0	0.0	1448.29
						65.6	-361.88	-701.58	0.0	0.0	0.0	1382.03
						75.0	-361.88	-691.25	0.0	0.0	0.0	1316.74

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
22	9	1279.79	0.0	-7.97e-05	-97.33	0.0	-374.12	-453.93	0.0	0.0	0.0	1279.79
		956.12	0.0	0.0		9.4	-374.12	-448.32	0.0	0.0	0.0	1237.50
						18.8	-374.12	-442.72	0.0	0.0	0.0	1195.73
						28.1	-374.12	-437.13	0.0	0.0	0.0	1154.49
						37.5	-374.12	-431.54	0.0	0.0	0.0	1113.77
						46.9	-374.12	-425.97	0.0	0.0	0.0	1073.57
						56.3	-374.12	-420.40	0.0	0.0	0.0	1033.90
						65.6	-374.12	-414.85	0.0	0.0	0.0	994.75
22	10	1570.10	0.0	-4.47e-04	-153.28	0.0	-354.23	-716.29	0.0	0.0	0.0	1570.10
		1065.05	0.0	0.0		9.4	-354.23	-705.46	0.0	0.0	0.0	1503.46
						18.8	-354.23	-694.68	0.0	0.0	0.0	1437.83
						28.1	-354.23	-683.94	0.0	0.0	0.0	1373.20
						37.5	-354.23	-673.26	0.0	0.0	0.0	1309.58
						46.9	-354.23	-662.64	0.0	0.0	0.0	1246.96
						56.3	-354.23	-652.06	0.0	0.0	0.0	1185.34
						65.6	-354.23	-641.54	0.0	0.0	0.0	1124.70
22	11	1195.73	0.0	-4.12e-04	-143.52	0.0	-203.77	-633.68	0.0	0.0	0.0	1195.73
		749.91	0.0	0.0		9.4	-203.77	-623.77	0.0	0.0	0.0	1136.78
						18.8	-203.77	-613.90	0.0	0.0	0.0	1078.77
						28.1	-203.77	-604.07	0.0	0.0	0.0	1021.68
						37.5	-203.77	-594.29	0.0	0.0	0.0	965.50
						46.9	-203.77	-584.57	0.0	0.0	0.0	910.25
						56.3	-203.77	-574.89	0.0	0.0	0.0	855.90
						65.6	-203.77	-565.26	0.0	0.0	0.0	802.45
22	12	922.83	0.0	-3.23e-04	-127.93	0.0	-205.25	-541.30	0.0	0.0	0.0	922.83
		542.00	0.0	0.0		9.4	-205.25	-532.84	0.0	0.0	0.0	872.48
						18.8	-205.25	-524.41	0.0	0.0	0.0	822.92
						28.1	-205.25	-516.03	0.0	0.0	0.0	774.15
						37.5	-205.25	-507.68	0.0	0.0	0.0	726.17
						46.9	-205.25	-499.36	0.0	0.0	0.0	678.96
						56.3	-205.25	-491.09	0.0	0.0	0.0	632.54
						65.6	-205.25	-482.86	0.0	0.0	0.0	586.88
22	13	1358.42	0.0	-3.45e-04	-145.63	0.0	-230.53	-677.89	0.0	0.0	0.0	1358.42
		880.11	0.0	0.0		9.4	-230.53	-667.77	0.0	0.0	0.0	1295.35
						18.8	-230.53	-657.69	0.0	0.0	0.0	1233.22
						28.1	-230.53	-647.65	0.0	0.0	0.0	1172.03
						37.5	-230.53	-637.64	0.0	0.0	0.0	1111.78
						46.9	-230.53	-627.68	0.0	0.0	0.0	1052.47
						56.3	-230.53	-617.76	0.0	0.0	0.0	994.09
						65.6	-230.53	-607.88	0.0	0.0	0.0	936.64
22	14	1420.01	0.0	-4.00e-04	-143.07	0.0	-325.11	-654.30	0.0	0.0	0.0	1420.01
		958.61	0.0	0.0		9.4	-325.11	-644.42	0.0	0.0	0.0	1359.13
						18.8	-325.11	-634.59	0.0	0.0	0.0	1299.18
						28.1	-325.11	-624.80	0.0	0.0	0.0	1240.14
						37.5	-325.11	-615.06	0.0	0.0	0.0	1182.02
						46.9	-325.11	-605.37	0.0	0.0	0.0	1124.82
						56.3	-325.11	-595.72	0.0	0.0	0.0	1068.51
						65.6	-325.11	-586.13	0.0	0.0	0.0	1013.12
22	15	1145.74	0.0	-3.68e-04	-135.47	0.0	-213.42	-592.15	0.0	0.0	0.0	1145.74
		728.85	0.0	0.0		9.4	-213.42	-582.98	0.0	0.0	0.0	1090.65
						18.8	-213.42	-573.86	0.0	0.0	0.0	1036.43
						28.1	-213.42	-564.78	0.0	0.0	0.0	983.05
						37.5	-213.42	-555.74	0.0	0.0	0.0	930.53
						46.9	-213.42	-546.74	0.0	0.0	0.0	878.85
						56.3	-213.42	-537.79	0.0	0.0	0.0	828.01
						65.6	-213.42	-528.88	0.0	0.0	0.0	778.01
22	16	934.55	0.0	-3.07e-04	-124.05	0.0	-213.37	-523.06	0.0	0.0	0.0	934.55
		566.33	0.0	0.0		9.4	-213.37	-514.96	0.0	0.0	0.0	885.90
						18.8	-213.37	-506.89	0.0	0.0	0.0	838.00
						28.1	-213.37	-498.87	0.0	0.0	0.0	790.85
						37.5	-213.37	-490.87	0.0	0.0	0.0	744.46
						46.9	-213.37	-482.92	0.0	0.0	0.0	698.81
						56.3	-213.37	-474.99	0.0	0.0	0.0	653.91
						65.6	-213.37	-467.11	0.0	0.0	0.0	609.75
22	17	1267.76	0.0	-3.19e-04	-137.05	0.0	-233.49	-625.30	0.0	0.0	0.0	1267.76
		826.50	0.0	0.0		9.4	-233.49	-615.98	0.0	0.0	0.0	1209.57

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						18.8	-233.49	-606.70	0.0	0.0	0.0	1152.26
						28.1	-233.49	-597.46	0.0	0.0	0.0	1095.82
						37.5	-233.49	-588.25	0.0	0.0	0.0	1040.24
						46.9	-233.49	-579.08	0.0	0.0	0.0	985.52
						56.3	-233.49	-569.94	0.0	0.0	0.0	931.66
						65.6	-233.49	-560.85	0.0	0.0	0.0	878.65
						75.0	-233.49	-551.79	0.0	0.0	0.0	826.50
22	18	925.68	0.0	-2.89e-04	-114.11	0.0	-230.61	-469.11	0.0	0.0	0.0	925.68
		595.13	0.0	0.0		9.4	-230.61	-461.94	0.0	0.0	0.0	882.04
						18.8	-230.61	-454.81	0.0	0.0	0.0	839.06
						28.1	-230.61	-447.70	0.0	0.0	0.0	796.76
						37.5	-230.61	-440.64	0.0	0.0	0.0	755.12
						46.9	-230.61	-433.60	0.0	0.0	0.0	714.14
						56.3	-230.61	-426.60	0.0	0.0	0.0	673.82
						65.6	-230.61	-419.63	0.0	0.0	0.0	634.15
						75.0	-230.61	-412.71	0.0	0.0	0.0	595.13
30	1	729.79	0.0	2.42e-03	-160.89	0.0	-391.14	23.99	0.0	0.0	0.0	-823.33
		-823.33	0.0	0.0		69.1	-391.14	84.14	0.0	0.0	0.0	-786.08
						138.1	-391.14	145.89	0.0	0.0	0.0	-706.74
						207.2	-391.14	209.51	0.0	0.0	0.0	-584.13
						276.3	-391.14	275.21	0.0	0.0	0.0	-416.88
						345.3	-391.14	343.17	0.0	0.0	0.0	-203.48
						414.4	-391.14	413.50	0.0	0.0	0.0	57.66
						483.4	-391.14	486.22	0.0	0.0	0.0	368.21
						552.5	-391.14	561.27	0.0	0.0	0.0	729.79
30	2	884.95	0.0	1.46e-03	-154.54	0.0	-389.83	23.20	0.0	0.0	0.0	-671.20
		-671.20	0.0	0.0		69.1	-389.83	85.29	0.0	0.0	0.0	-633.78
						138.1	-389.83	148.32	0.0	0.0	0.0	-553.17
						207.2	-389.83	212.48	0.0	0.0	0.0	-428.65
						276.3	-389.83	277.97	0.0	0.0	0.0	-259.38
						345.3	-389.83	344.88	0.0	0.0	0.0	-44.39
						414.4	-389.83	413.27	0.0	0.0	0.0	217.33
						483.4	-389.83	483.13	0.0	0.0	0.0	526.79
						552.5	-389.83	554.30	0.0	0.0	0.0	884.95
30	3	627.65	0.0	2.06e-03	-167.65	0.0	-343.55	-19.18	0.0	0.0	0.0	-823.63
		-824.49	0.0	0.0		69.1	-343.55	47.92	0.0	0.0	0.0	-813.77
						138.1	-343.55	116.24	0.0	0.0	0.0	-757.16
						207.2	-343.55	186.06	0.0	0.0	0.0	-652.86
						276.3	-343.55	257.62	0.0	0.0	0.0	-499.76
						345.3	-343.55	331.12	0.0	0.0	0.0	-296.58
						414.4	-343.55	406.70	0.0	0.0	0.0	-41.93
						483.4	-343.55	484.41	0.0	0.0	0.0	265.66
						552.5	-343.55	564.22	0.0	0.0	0.0	627.65
30	4	978.03	0.0	2.55e-03	-189.69	0.0	-462.97	9.09	0.0	0.0	0.0	-918.53
		-918.53	0.0	0.0		69.1	-462.97	88.27	0.0	0.0	0.0	-885.00
						138.1	-462.97	169.13	0.0	0.0	0.0	-796.22
						207.2	-462.97	251.95	0.0	0.0	0.0	-650.94
						276.3	-462.97	337.00	0.0	0.0	0.0	-447.70
						345.3	-462.97	424.45	0.0	0.0	0.0	-184.90
						414.4	-462.97	514.43	0.0	0.0	0.0	139.16
						483.4	-462.97	606.93	0.0	0.0	0.0	526.23
						552.5	-462.97	701.84	0.0	0.0	0.0	978.03
30	5	500.76	0.0	3.13e-03	-167.53	0.0	-363.45	-11.82	0.0	0.0	0.0	-877.33
		-877.33	0.0	0.0		69.1	-363.45	48.21	0.0	0.0	0.0	-864.87
						138.1	-363.45	110.32	0.0	0.0	0.0	-810.26
						207.2	-363.45	174.80	0.0	0.0	0.0	-711.94
						276.3	-363.45	241.92	0.0	0.0	0.0	-568.20
						345.3	-363.45	311.89	0.0	0.0	0.0	-377.13
						414.4	-363.45	384.89	0.0	0.0	0.0	-136.71
						483.4	-363.45	460.99	0.0	0.0	0.0	155.21
						552.5	-363.45	540.21	0.0	0.0	0.0	500.76
30	6	635.55	0.0	2.45e-03	-162.60	0.0	-369.78	-8.33	0.0	0.0	0.0	-761.83
		-761.83	0.0	0.0		69.1	-369.78	52.83	0.0	0.0	0.0	-746.55
						138.1	-369.78	115.61	0.0	0.0	0.0	-688.48
						207.2	-369.78	180.26	0.0	0.0	0.0	-586.43
						276.3	-369.78	246.99	0.0	0.0	0.0	-439.02
						345.3	-369.78	315.99	0.0	0.0	0.0	-244.75
						414.4	-369.78	387.37	0.0	0.0	0.0	-2.01
						483.4	-369.78	461.18	0.0	0.0	0.0	290.87
						552.5	-369.78	537.37	0.0	0.0	0.0	635.55
30	7	444.01	0.0	2.94e-03	-171.29	0.0	-337.01	-35.80	0.0	0.0	0.0	-877.49
		-884.39	0.0	0.0		69.1	-337.01	28.09	0.0	0.0	0.0	-880.26
						138.1	-337.01	93.85	0.0	0.0	0.0	-838.26
						207.2	-337.01	161.78	0.0	0.0	0.0	-750.13

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						276.3	-337.01	232.15	0.0	0.0	0.0	-614.25
						345.3	-337.01	305.20	0.0	0.0	0.0	-428.85
						414.4	-337.01	381.11	0.0	0.0	0.0	-192.03
						483.4	-337.01	459.99	0.0	0.0	0.0	98.24
						552.5	-337.01	541.85	0.0	0.0	0.0	444.01
30	8	687.26	0.0	3.05e-03	-182.13	0.0	-410.41	-16.17	0.0	0.0	0.0	-899.24
		-899.24	0.0	0.0		69.1	-410.41	54.49	0.0	0.0	0.0	-886.12
						138.1	-410.41	127.18	0.0	0.0	0.0	-823.51
						207.2	-410.41	202.19	0.0	0.0	0.0	-709.92
						276.3	-410.41	279.79	0.0	0.0	0.0	-543.64
						345.3	-410.41	360.20	0.0	0.0	0.0	-322.81
						414.4	-410.41	443.57	0.0	0.0	0.0	-45.44
						483.4	-410.41	529.96	0.0	0.0	0.0	290.56
						552.5	-410.41	619.33	0.0	0.0	0.0	687.26
30	9	248.29	0.0	2.67e-03	-125.02	0.0	-256.56	-26.14	0.0	0.0	0.0	-652.99
		-658.37	0.0	0.0		69.1	-256.56	16.69	0.0	0.0	0.0	-656.35
						138.1	-256.56	61.31	0.0	0.0	0.0	-629.53
						207.2	-256.56	107.95	0.0	0.0	0.0	-571.20
						276.3	-256.56	156.80	0.0	0.0	0.0	-479.92
						345.3	-256.56	208.05	0.0	0.0	0.0	-354.07
						414.4	-256.56	261.85	0.0	0.0	0.0	-191.96
						483.4	-256.56	318.29	0.0	0.0	0.0	8.21
						552.5	-256.56	377.40	0.0	0.0	0.0	248.29
30	10	529.44	0.0	1.83e-03	-119.55	0.0	-287.91	16.96	0.0	0.0	0.0	-617.69
		-617.69	0.0	0.0		69.1	-287.91	61.50	0.0	0.0	0.0	-590.66
						138.1	-287.91	107.26	0.0	0.0	0.0	-532.46
						207.2	-287.91	154.42	0.0	0.0	0.0	-442.18
						276.3	-287.91	203.16	0.0	0.0	0.0	-318.80
						345.3	-287.91	253.61	0.0	0.0	0.0	-161.17
						414.4	-287.91	305.85	0.0	0.0	0.0	31.91
						483.4	-287.91	359.91	0.0	0.0	0.0	261.70
						552.5	-287.91	415.72	0.0	0.0	0.0	529.44
30	11	657.10	0.0	1.08e-03	-114.48	0.0	-288.78	17.40	0.0	0.0	0.0	-496.88
		-496.88	0.0	0.0		69.1	-288.78	63.40	0.0	0.0	0.0	-469.01
						138.1	-288.78	110.09	0.0	0.0	0.0	-409.15
						207.2	-288.78	157.62	0.0	0.0	0.0	-316.76
						276.3	-288.78	206.13	0.0	0.0	0.0	-191.21
						345.3	-288.78	255.70	0.0	0.0	0.0	-31.80
						414.4	-288.78	306.37	0.0	0.0	0.0	162.23
						483.4	-288.78	358.11	0.0	0.0	0.0	391.62
						552.5	-288.78	410.84	0.0	0.0	0.0	657.10
30	12	453.78	0.0	1.57e-03	-124.56	0.0	-252.65	-15.02	0.0	0.0	0.0	-617.91
		-618.83	0.0	0.0		69.1	-252.65	34.67	0.0	0.0	0.0	-611.17
						138.1	-252.65	85.30	0.0	0.0	0.0	-569.80
						207.2	-252.65	137.05	0.0	0.0	0.0	-493.09
						276.3	-252.65	190.13	0.0	0.0	0.0	-380.19
						345.3	-252.65	244.68	0.0	0.0	0.0	-230.13
						414.4	-252.65	300.81	0.0	0.0	0.0	-41.86
						483.4	-252.65	358.56	0.0	0.0	0.0	185.74
						552.5	-252.65	417.92	0.0	0.0	0.0	453.78
30	13	726.05	0.0	1.89e-03	-140.52	0.0	-342.96	6.95	0.0	0.0	0.0	-680.09
		-680.09	0.0	0.0		69.1	-342.96	65.60	0.0	0.0	0.0	-655.10
						138.1	-342.96	125.50	0.0	0.0	0.0	-589.19
						207.2	-342.96	186.86	0.0	0.0	0.0	-481.42
						276.3	-342.96	249.86	0.0	0.0	0.0	-330.71
						345.3	-342.96	314.65	0.0	0.0	0.0	-135.88
						414.4	-342.96	381.30	0.0	0.0	0.0	104.32
						483.4	-342.96	449.82	0.0	0.0	0.0	391.21
						552.5	-342.96	520.12	0.0	0.0	0.0	726.05
30	14	541.00	0.0	1.77e-03	-116.66	0.0	-286.41	19.11	0.0	0.0	0.0	-581.93
		-581.93	0.0	0.0		69.1	-286.41	62.11	0.0	0.0	0.0	-553.95
						138.1	-286.41	106.29	0.0	0.0	0.0	-495.87
						207.2	-286.41	151.85	0.0	0.0	0.0	-406.82
						276.3	-286.41	198.94	0.0	0.0	0.0	-285.78
						345.3	-286.41	247.67	0.0	0.0	0.0	-131.65
						414.4	-286.41	298.13	0.0	0.0	0.0	56.72
						483.4	-286.41	350.33	0.0	0.0	0.0	280.54
						552.5	-286.41	404.20	0.0	0.0	0.0	541.00
30	15	644.55	0.0	1.18e-03	-112.63	0.0	-288.20	20.07	0.0	0.0	0.0	-486.35
		-486.35	0.0	0.0		69.1	-288.20	64.17	0.0	0.0	0.0	-457.30
						138.1	-288.20	109.05	0.0	0.0	0.0	-397.53
						207.2	-288.20	154.86	0.0	0.0	0.0	-306.46
						276.3	-288.20	201.73	0.0	0.0	0.0	-183.39
						345.3	-288.20	249.75	0.0	0.0	0.0	-27.55

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
						414.4	-288.20	298.94	0.0	0.0	0.0	161.85
						483.4	-288.20	349.29	0.0	0.0	0.0	385.63
						552.5	-288.20	400.70	0.0	0.0	0.0	644.55
30	16	484.25	0.0	1.57e-03	-120.42	0.0	-259.97	-4.88	0.0	0.0	0.0	-582.09
		-582.09	0.0	0.0		69.1	-259.97	41.98	0.0	0.0	0.0	-569.33
						138.1	-259.97	89.82	0.0	0.0	0.0	-523.88
						207.2	-259.97	138.82	0.0	0.0	0.0	-445.00
						276.3	-259.97	189.17	0.0	0.0	0.0	-331.82
						345.3	-259.97	240.98	0.0	0.0	0.0	-183.37
						414.4	-259.97	294.35	0.0	0.0	0.0	1.39
						483.4	-259.97	349.32	0.0	0.0	0.0	223.57
						552.5	-259.97	405.84	0.0	0.0	0.0	484.25
30	17	696.26	0.0	1.78e-03	-132.16	0.0	-328.83	12.23	0.0	0.0	0.0	-623.75
		-623.75	0.0	0.0		69.1	-328.83	65.82	0.0	0.0	0.0	-596.86
						138.1	-328.83	120.61	0.0	0.0	0.0	-532.56
						207.2	-328.83	176.79	0.0	0.0	0.0	-429.95
						276.3	-328.83	234.53	0.0	0.0	0.0	-288.01
						345.3	-328.83	293.96	0.0	0.0	0.0	-105.62
						414.4	-328.83	355.14	0.0	0.0	0.0	118.42
						483.4	-328.83	418.07	0.0	0.0	0.0	385.32
						552.5	-328.83	482.67	0.0	0.0	0.0	696.26
30	18	534.63	0.0	1.72e-03	-109.36	0.0	-275.20	22.57	0.0	0.0	0.0	-503.41
		-503.41	0.0	0.0		69.1	-275.20	60.88	0.0	0.0	0.0	-474.66
						138.1	-275.20	100.41	0.0	0.0	0.0	-419.04
						207.2	-275.20	141.30	0.0	0.0	0.0	-335.66
						276.3	-275.20	183.70	0.0	0.0	0.0	-223.52
						345.3	-275.20	227.70	0.0	0.0	0.0	-81.55
						414.4	-275.20	273.35	0.0	0.0	0.0	91.37
						483.4	-275.20	320.64	0.0	0.0	0.0	296.39
						552.5	-275.20	369.53	0.0	0.0	0.0	534.63
31	1	1182.04	0.0	3.11e-04	-164.00	0.0	-376.94	561.23	0.0	0.0	0.0	729.81
		729.81	0.0	0.0		9.4	-376.94	571.59	0.0	0.0	0.0	782.91
						18.8	-376.94	581.98	0.0	0.0	0.0	836.98
						28.1	-376.94	592.41	0.0	0.0	0.0	892.03
						37.5	-376.94	602.89	0.0	0.0	0.0	948.06
						46.9	-376.94	613.39	0.0	0.0	0.0	1005.07
						56.3	-376.94	623.94	0.0	0.0	0.0	1063.07
						65.6	-376.94	634.51	0.0	0.0	0.0	1122.06
						75.0	-376.94	645.13	0.0	0.0	0.0	1182.04
31	2	1330.04	0.0	1.41e-04	-155.95	0.0	-402.16	554.26	0.0	0.0	0.0	884.97
		884.97	0.0	0.0		9.4	-402.16	564.01	0.0	0.0	0.0	937.39
						18.8	-402.16	573.78	0.0	0.0	0.0	990.72
						28.1	-402.16	583.57	0.0	0.0	0.0	1044.97
						37.5	-402.16	593.38	0.0	0.0	0.0	1100.14
						46.9	-402.16	603.20	0.0	0.0	0.0	1156.23
						56.3	-402.16	613.04	0.0	0.0	0.0	1213.24
						65.6	-402.16	622.90	0.0	0.0	0.0	1271.18
						75.0	-402.16	632.77	0.0	0.0	0.0	1330.04
31	3	1084.00	0.0	2.84e-04	-170.50	0.0	-355.68	564.19	0.0	0.0	0.0	627.66
		627.66	0.0	0.0		9.4	-355.68	575.18	0.0	0.0	0.0	681.07
						18.8	-355.68	586.20	0.0	0.0	0.0	735.51
						28.1	-355.68	597.26	0.0	0.0	0.0	790.99
						37.5	-355.68	608.36	0.0	0.0	0.0	847.50
						46.9	-355.68	619.48	0.0	0.0	0.0	905.05
						56.3	-355.68	630.64	0.0	0.0	0.0	963.65
						65.6	-355.68	641.84	0.0	0.0	0.0	1023.30
						75.0	-355.68	653.06	0.0	0.0	0.0	1084.00
31	4	1543.83	0.0	3.06e-04	-192.75	0.0	-483.00	701.84	0.0	0.0	0.0	978.04
		978.04	0.0	0.0		9.4	-483.00	714.90	0.0	0.0	0.0	1044.44
						18.8	-483.00	728.00	0.0	0.0	0.0	1112.08
						28.1	-483.00	741.13	0.0	0.0	0.0	1180.95
						37.5	-483.00	754.30	0.0	0.0	0.0	1251.04
						46.9	-483.00	767.51	0.0	0.0	0.0	1322.38
						56.3	-483.00	780.75	0.0	0.0	0.0	1394.95
						65.6	-483.00	794.03	0.0	0.0	0.0	1468.77
						75.0	-483.00	807.34	0.0	0.0	0.0	1543.83
31	5	939.21	0.0	4.53e-04	-172.07	0.0	-341.29	540.17	0.0	0.0	0.0	500.77
		500.77	0.0	0.0		9.4	-341.29	551.15	0.0	0.0	0.0	551.93
						18.8	-341.29	562.20	0.0	0.0	0.0	604.12
						28.1	-341.29	573.29	0.0	0.0	0.0	657.34
						37.5	-341.29	584.45	0.0	0.0	0.0	711.61
						46.9	-341.29	595.65	0.0	0.0	0.0	766.93
						56.3	-341.29	606.91	0.0	0.0	0.0	823.30
						65.6	-341.29	618.22	0.0	0.0	0.0	880.72

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
31	6	1070.37	0.0	3.27e-04	-165.87	75.0	-341.29	629.58	0.0	0.0	0.0	939.21
		635.56	0.0	0.0		0.0	-362.41	537.32	0.0	0.0	0.0	635.56
						9.4	-362.41	547.84	0.0	0.0	0.0	686.43
						18.8	-362.41	558.40	0.0	0.0	0.0	738.29
						28.1	-362.41	569.00	0.0	0.0	0.0	791.13
						37.5	-362.41	579.63	0.0	0.0	0.0	844.97
						46.9	-362.41	590.31	0.0	0.0	0.0	899.81
						56.3	-362.41	601.02	0.0	0.0	0.0	955.66
						65.6	-362.41	611.77	0.0	0.0	0.0	1012.51
						75.0	-362.41	622.56	0.0	0.0	0.0	1070.37
31	7	884.75	0.0	4.39e-04	-175.68	0.0	-329.48	541.81	0.0	0.0	0.0	444.03
		444.03	0.0	0.0		9.4	-329.48	553.15	0.0	0.0	0.0	495.35
						18.8	-329.48	564.54	0.0	0.0	0.0	547.75
						28.1	-329.48	575.99	0.0	0.0	0.0	601.21
						37.5	-329.48	587.49	0.0	0.0	0.0	655.75
						46.9	-329.48	599.03	0.0	0.0	0.0	711.36
						56.3	-329.48	610.63	0.0	0.0	0.0	768.07
						65.6	-329.48	622.28	0.0	0.0	0.0	825.86
						75.0	-329.48	633.98	0.0	0.0	0.0	884.75
		31	8	1189.14	0.0	4.19e-04	-186.31	0.0	-407.32	619.31	0.0	0.0
687.27	0.0			0.0		9.4	-407.32	631.67	0.0	0.0	0.0	745.91
						18.8	-407.32	644.07	0.0	0.0	0.0	805.71
						28.1	-407.32	656.53	0.0	0.0	0.0	866.67
						37.5	-407.32	669.04	0.0	0.0	0.0	928.81
						46.9	-407.32	681.59	0.0	0.0	0.0	992.12
						56.3	-407.32	694.19	0.0	0.0	0.0	1056.61
						65.6	-407.32	706.85	0.0	0.0	0.0	1122.28
						75.0	-407.32	719.54	0.0	0.0	0.0	1189.14
31	9			556.33	0.0	4.04e-04	-129.06	0.0	-229.55	377.38	0.0	0.0
		248.30	0.0	0.0		9.4	-229.55	385.61	0.0	0.0	0.0	284.06
						18.8	-229.55	393.89	0.0	0.0	0.0	320.60
						28.1	-229.55	402.21	0.0	0.0	0.0	357.92
						37.5	-229.55	410.59	0.0	0.0	0.0	396.02
						46.9	-229.55	419.01	0.0	0.0	0.0	434.90
						56.3	-229.55	427.47	0.0	0.0	0.0	474.58
						65.6	-229.55	435.99	0.0	0.0	0.0	515.06
						75.0	-229.55	444.55	0.0	0.0	0.0	556.33
		31	10	864.53	0.0	2.38e-04	-121.93	0.0	-277.38	415.70	0.0	0.0
529.45	0.0			0.0		9.4	-277.38	423.40	0.0	0.0	0.0	568.78
						18.8	-277.38	431.14	0.0	0.0	0.0	608.84
						28.1	-277.38	438.91	0.0	0.0	0.0	649.62
						37.5	-277.38	446.70	0.0	0.0	0.0	691.13
						46.9	-277.38	454.52	0.0	0.0	0.0	733.38
						56.3	-277.38	462.37	0.0	0.0	0.0	776.36
						65.6	-277.38	470.25	0.0	0.0	0.0	820.07
						75.0	-277.38	478.15	0.0	0.0	0.0	864.53
31	11			986.97	0.0	1.04e-04	-115.52	0.0	-297.92	410.80	0.0	0.0
		657.11	0.0	0.0		9.4	-297.92	418.03	0.0	0.0	0.0	695.96
						18.8	-297.92	425.27	0.0	0.0	0.0	735.49
						28.1	-297.92	432.52	0.0	0.0	0.0	775.70
						37.5	-297.92	439.78	0.0	0.0	0.0	816.59
						46.9	-297.92	447.06	0.0	0.0	0.0	858.16
						56.3	-297.92	454.35	0.0	0.0	0.0	900.41
						65.6	-297.92	461.65	0.0	0.0	0.0	943.35
						75.0	-297.92	468.96	0.0	0.0	0.0	986.97
		31	12	791.90	0.0	2.19e-04	-126.74	0.0	-261.63	417.89	0.0	0.0
453.79	0.0			0.0		9.4	-261.63	426.07	0.0	0.0	0.0	493.35
						18.8	-261.63	434.27	0.0	0.0	0.0	533.68
						28.1	-261.63	442.50	0.0	0.0	0.0	574.77
						37.5	-261.63	450.75	0.0	0.0	0.0	616.64
						46.9	-261.63	459.04	0.0	0.0	0.0	659.29
						56.3	-261.63	467.34	0.0	0.0	0.0	702.71
						65.6	-261.63	475.67	0.0	0.0	0.0	746.92
						75.0	-261.63	484.03	0.0	0.0	0.0	791.90
31	13			1145.34	0.0	2.26e-04	-142.78	0.0	-357.80	520.13	0.0	0.0
		726.05	0.0	0.0		9.4	-357.80	529.80	0.0	0.0	0.0	775.26
						18.8	-357.80	539.50	0.0	0.0	0.0	825.39
						28.1	-357.80	549.23	0.0	0.0	0.0	876.42
						37.5	-357.80	558.98	0.0	0.0	0.0	928.37
						46.9	-357.80	568.77	0.0	0.0	0.0	981.23
						56.3	-357.80	578.58	0.0	0.0	0.0	1035.01
						65.6	-357.80	588.41	0.0	0.0	0.0	1089.71
						75.0	-357.80	598.27	0.0	0.0	0.0	1145.34
		31	14	866.62	0.0	2.23e-04	-118.89	0.0	-280.81	404.17	0.0	0.0

Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		541.01	0.0	0.0		9.4	-280.81	411.61	0.0	0.0	0.0	579.25
						18.8	-280.81	419.07	0.0	0.0	0.0	618.19
						28.1	-280.81	426.56	0.0	0.0	0.0	657.82
						37.5	-280.81	434.08	0.0	0.0	0.0	698.17
						46.9	-280.81	441.62	0.0	0.0	0.0	739.22
						56.3	-280.81	449.19	0.0	0.0	0.0	780.97
						65.6	-280.81	456.79	0.0	0.0	0.0	823.44
						75.0	-280.81	464.41	0.0	0.0	0.0	866.62
31	15	966.32	0.0	1.18e-04	-113.81	0.0	-297.36	400.67	0.0	0.0	0.0	644.56
		644.56	0.0	0.0		9.4	-297.36	407.72	0.0	0.0	0.0	682.46
						18.8	-297.36	414.79	0.0	0.0	0.0	721.01
						28.1	-297.36	421.87	0.0	0.0	0.0	760.23
						37.5	-297.36	428.97	0.0	0.0	0.0	800.11
						46.9	-297.36	436.08	0.0	0.0	0.0	840.66
						56.3	-297.36	443.20	0.0	0.0	0.0	881.88
						65.6	-297.36	450.34	0.0	0.0	0.0	923.76
						75.0	-297.36	457.49	0.0	0.0	0.0	966.32
31	16	812.15	0.0	2.09e-04	-122.51	0.0	-269.00	405.82	0.0	0.0	0.0	484.26
		484.26	0.0	0.0		9.4	-269.00	413.60	0.0	0.0	0.0	522.67
						18.8	-269.00	421.42	0.0	0.0	0.0	561.81
						28.1	-269.00	429.26	0.0	0.0	0.0	601.69
						37.5	-269.00	437.12	0.0	0.0	0.0	642.30
						46.9	-269.00	445.01	0.0	0.0	0.0	683.65
						56.3	-269.00	452.92	0.0	0.0	0.0	725.74
						65.6	-269.00	460.85	0.0	0.0	0.0	768.57
						75.0	-269.00	468.81	0.0	0.0	0.0	812.15
31	17	1085.09	0.0	2.09e-04	-134.25	0.0	-342.27	482.66	0.0	0.0	0.0	696.27
		696.27	0.0	0.0		9.4	-342.27	491.55	0.0	0.0	0.0	741.93
						18.8	-342.27	500.46	0.0	0.0	0.0	788.43
						28.1	-342.27	509.40	0.0	0.0	0.0	835.77
						37.5	-342.27	518.37	0.0	0.0	0.0	883.95
						46.9	-342.27	527.36	0.0	0.0	0.0	932.96
						56.3	-342.27	536.37	0.0	0.0	0.0	982.83
						65.6	-342.27	545.41	0.0	0.0	0.0	1033.53
						75.0	-342.27	554.47	0.0	0.0	0.0	1085.09
31	18	832.18	0.0	2.09e-04	-111.45	0.0	-284.34	369.49	0.0	0.0	0.0	534.64
		534.64	0.0	0.0		9.4	-284.34	376.25	0.0	0.0	0.0	569.60
						18.8	-284.34	383.02	0.0	0.0	0.0	605.19
						28.1	-284.34	389.82	0.0	0.0	0.0	641.41
						37.5	-284.34	396.65	0.0	0.0	0.0	678.28
						46.9	-284.34	403.50	0.0	0.0	0.0	715.79
						56.3	-284.34	410.38	0.0	0.0	0.0	753.94
						65.6	-284.34	417.28	0.0	0.0	0.0	792.73
						75.0	-284.34	424.20	0.0	0.0	0.0	832.18
<b>Trave f.</b>		<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Pt</b>		<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>		
		-1415.78	0.0	-1.09e-03	-206.31		-483.00	-966.70	0.0	0.0		
		2135.79	0.0	5.95e-03	-85.03		-203.77	807.34	0.0	0.0		



# VERIFICHE ELEMENTI TRAVE C.A.

## LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE C.A.

In tabella vengono riportati per ogni elemento il numero dello stesso ed il codice di verifica.

Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto  $x/d$ , le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

In particolare i simboli utilizzati con il metodo delle tensioni ammissibili assumono il seguente significato:

<b>M_P X Y</b>	Numero della pilastrata e posizione in pianta
<b>M_T Z P P</b>	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
<b>Pilas. o Trave</b>	numero identificativo dell'elemento
<b>Note</b>	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
<b>Stato</b>	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
<b>Quota</b>	Ascissa del punto di verifica
<b>%Af</b>	Percentuale di area di armatura rispetto a quella di calcestruzzo
<b>Armat. long.</b>	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (vedi seguente figura)
<b>Af inf.</b>	Area di armatura longitudinale posta all'intradosso della trave
<b>Af sup</b>	Area di armatura longitudinale posta all'estradosso della trave
<b>Sc max</b>	Massima tensione di compressione del calcestruzzo
<b>Sc med</b>	Massima tensione media di compressione del calcestruzzo
<b>Sf max</b>	Tensione massima nell'acciaio
<b>staffe</b>	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
<b>Tau max</b>	Tensione massima tangenziale nel cls
<b>Rif. comb</b>	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
<b>AfV</b>	area dell'armatura atta ad assorbire le azioni di taglio
<b>AfT</b>	area dell'armatura atta ad assorbire le azioni di torsione
<b>Scorr. P</b>	Scorrimento dei piegati
<b>Af long.</b>	Area del ferro longitudinale aggiuntivo per assorbire la torsione

Mentre i simboli utilizzati con il metodo degli stati limite assumono il seguente significato:

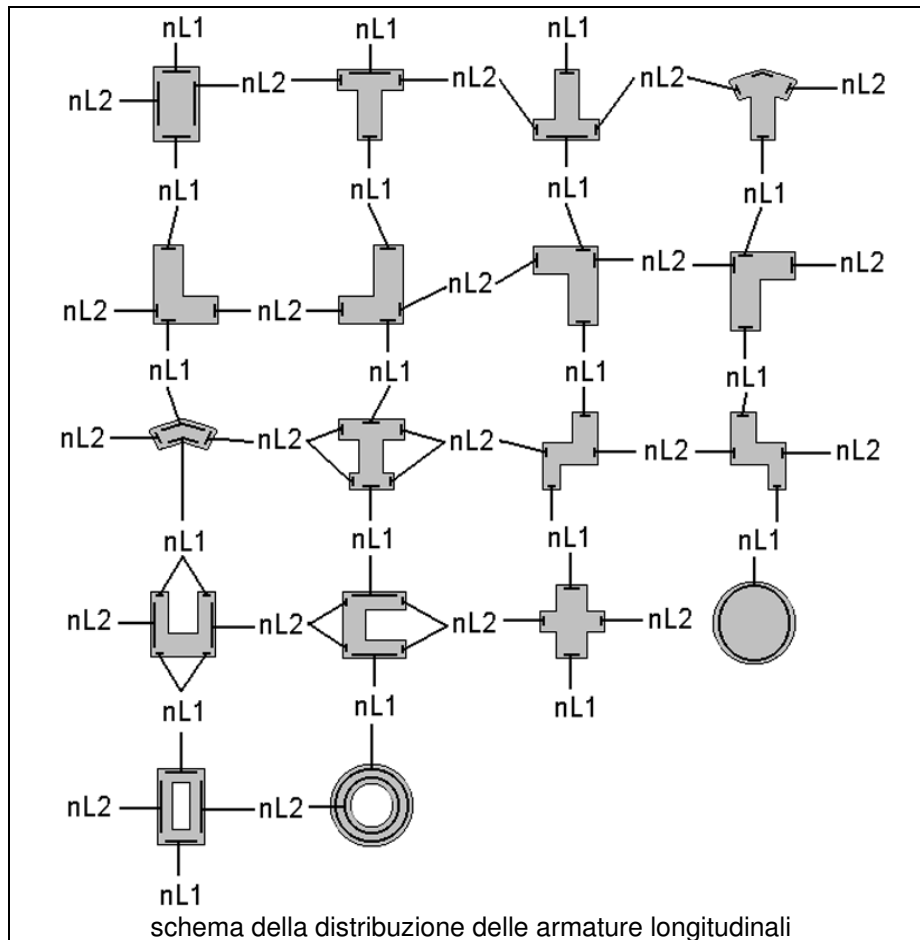
<b>r. snell.</b>	Rapporto $\lambda$ su $\lambda^*$ : valore superiore a 1 per elementi snelli, caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
<b>Verifica(verif.)</b>	rapporto $S_d/S_u$ con sollecitazioni ultime proporzionali o a sforzo normale costante: valore minore o uguale a 1 per verifica positiva
<b>ver.sis</b>	rapporto $N_d/N_u$ con $N_u$ calcolato come al punto 7.4.4.2.2.1; valore minore o uguale a 1 per verifica positiva
<b>ver.V/T</b>	rapporto $S_d/S_u$ con sollecitazioni taglianti e torcenti proporzionali valore minore o uguale a 1 per verifica positiva
<b>x/d</b>	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)

Per gli elementi progettati secondo il criterio della gerarchia delle resistenze (pilastri e travi) si riporta una ulteriore tabella di seguito descritta:

<b>M negativo i</b>	Valore del momento resistente negativo (positivo) all'estremità iniziale i (finale f) della trave
<b>V M-i M+f</b>	Taglio generato dai momenti resistenti negativo i e positivo f (positivo i e negativo f)
<b>V totale</b>	Massimo valore assoluto ottenuto per combinazione del taglio isostatico e dei tagli concomitanti (p.to 7.4.4.1.1.)
<b>Verif. V</b>	Rapporto tra il taglio massimo e $V_{r1}$ (p.to 7.4.4.1.2.2);
<b>Sovr. 2-2 i</b>	Sovreresistenza del pilastro (come da formula 7.4.4). Rapporto tra i momenti resistenti delle travi e dei pilastri. Il valore del fattore rispettivamente per il momento 2-2 (3-3) alla base i ed alla sommità f del pilastro deve essere maggiore del $\gamma_{Rd}$ adottato
<b>M 2-2 i</b>	Valore del momento resistente rispettivamente per 2-2 (3-3) alla base i ed alla sommità f del pilastro (massimo momento in presenza dello sforzo normale di calcolo)
<b>Luce per V</b>	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
<b>V M2-2</b>	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per i nodi trave-pilastro viene riportata la seguente tabella relativa al calcolo delle armature di confinamento e alla verifica di resistenza del nodo (richiesta solo per strutture in classe di duttilità alta); le caselle vuote indicano parametri non riportati in quanto non necessari.

<b>Stato</b>	Esito della verifica (come da formula 7.4.8) per resistenza a compressione del nodo (solo CDA)
<b>I 7.4.29</b>	Passo delle staffe di confinamento come richiesto dalla formula 7.4.29
<b>Bj2(3)</b>	Dimensione del nodo per il taglio in direzione 2 (3)
<b>Hjc2(2)</b>	Distanza tra le giaciture di armatura del pilastro per il taglio in direzione 2 (3)
<b>V. 7.4.8</b>	Rapporto tra il taglio $V_{jbd}$ e il taglio resistente come da formula 7.4.8 (solo CDA)
<b>I 7.4.10</b>	Passo delle staffe valutato in funzione della formula 7.4.10 (solo CDA)



Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver. rid	Staffe	ver. V/T	Rif. cmb
			cm						L=cm		
3	s=2,m=3	ok,ok	-40.0	1.05	5.31e-03	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=20	0.04	4,0,4
	[b=1.0;1.0]		-20.0	1.05	5.31e-03	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=20	0.04	4,0,4
4	s=2,m=3	ok,ok	-705.0	1.05	0.04	4d16 36+38 d16	0.20	0.0	2+2d8/15 L=166	0.10	4,0,4
	[b=1.0;1.0]		-538.8	1.05	0.04	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=166	0.06	4,0,4
5	s=2,m=3	ok,ok	-780.0	1.05	0.01	4d16 36+38 d16	0.27	0.0	2+2d8/15 L=37	0.13	4,0,4
	[b=1.0;1.0]		-742.5	1.05	0.01	4d16 36+38 d16	0.23	0.0	2+2d8/15 L=37	0.11	4,0,4
6	s=2,m=3	ok,ok	-20.0	1.05	5.25e-03	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=20	0.04	4,0,4
	[b=1.0;1.0]		0.0	1.05	5.25e-03	4d16 36+38 d16	0.11	0.0	2+2d8/15 L=20	0.04	4,0,4
7	s=2,m=3	ok,ok	-742.5	1.05	0.01	4d16 36+38 d16	0.23	0.0	2+2d8/15 L=37	0.11	4,0,4
	[b=1.0;1.0]		-705.0	1.05	0.01	4d16 36+38 d16	0.20	0.0	2+2d8/15 L=37	0.10	4,0,4
8	s=2,m=3	ok,ok	-20.0	1.05	6.41e-03	4d16 36+38 d16	0.21	0.0	2+2d8/15 L=20	0.02	2,0,1
	[b=1.0;1.0]		0.0	1.05	6.41e-03	4d16 36+38 d16	0.22	0.0	2+2d8/15 L=20	0.02	2,0,1
9	s=2,m=3	ok,ok	-742.5	1.05	0.01	4d16 36+38 d16	0.35	0.0	2+2d8/15 L=37	0.12	1,0,1
	[b=1.0;1.0]		-705.0	1.05	0.01	4d16 36+38 d16	0.32	0.0	2+2d8/15 L=37	0.11	1,0,1
10	s=4,m=3	ok,ok	-20.0	1.02	0.01	4d16 30+32 d16	0.10	0.0	2+2d8/15 L=20	0.03	6,0,5
	[b=1.0;1.0]		0.0	1.02	0.01	4d16 30+32 d16	0.11	0.0	2+2d8/15 L=20	0.03	6,0,5
11	s=4,m=3	ok,ok	-742.5	1.02	0.02	4d16 30+32 d16	0.07	0.0	2+2d8/15 L=37	0.03	5,0,5
	[b=1.0;1.0]		-705.0	1.02	0.02	4d16 30+32 d16	0.07	0.0	2+2d8/15 L=37	0.03	4,0,5
12	s=2,m=3	ok,ok	-40.0	1.05	6.48e-03	4d16 36+38 d16	0.21	0.0	2+2d8/15 L=20	0.02	2,0,1
	[b=1.0;1.0]		-20.0	1.05	6.48e-03	4d16 36+38 d16	0.21	0.0	2+2d8/15 L=20	0.02	2,0,1
13	s=2,m=3	ok,ok	-705.0	1.05	0.10	4d16 36+38 d16	0.32	0.0	2+2d8/15 L=355	0.11	1,0,1
	[b=1.0;1.0]		-350.0	1.05	0.10	4d16 36+38 d16	0.19	0.0	2+2d8/15 L=355	0.04	4,0,5
14	s=2,m=3	ok,ok	-780.0	1.05	0.01	4d16 36+38 d16	0.39	0.0	2+2d8/15 L=37	0.12	1,0,1
	[b=1.0;1.0]		-742.5	1.05	0.01	4d16 36+38 d16	0.35	0.0	2+2d8/15 L=37	0.12	1,0,1
23	s=4,m=3	ok,ok	-40.0	1.02	0.01	4d16 30+32 d16	0.10	0.0	2+2d8/15 L=20	0.03	6,0,5
	[b=1.0;1.0]		-20.0	1.02	0.01	4d16 30+32 d16	0.10	0.0	2+2d8/15 L=20	0.03	6,0,5
24	s=4,m=3	ok,ok	-705.0	1.02	0.18	4d16 30+32 d16	0.07	0.0	2+2d8/15 L=355	0.03	4,0,5
	[b=1.0;1.0]		-350.0	1.02	0.18	4d16 30+32 d16	0.08	0.0	2+2d8/15 L=355	0.03	2,0,5
25	s=4,m=3	ok,ok	-780.0	1.02	0.02	4d16 30+32 d16	0.08	0.0	2+2d8/15 L=37	0.03	5,0,5
	[b=1.0;1.0]		-742.5	1.02	0.02	4d16 30+32 d16	0.07	0.0	2+2d8/15 L=37	0.03	5,0,5
37	s=2,m=3	ok,ok	-350.0	1.05	0.11	4d16 36+38 d16	0.19	0.0	2+2d8/15 L=310	0.04	4,0,5
	[b=1.0;1.0]		-40.0	1.05	0.11	4d16 36+38 d16	0.21	0.0	2+2d8/15 L=310	0.02	2,0,1
38	s=2,m=3	ok,ok	-350.0	1.05	0.05	4d16 36+38 d16	0.06	0.0	2+2d8/15 L=144	0.02	4,0,2

Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver. rid	Staffe	ver. V/T	Rif. cmb
	[b=1.0;1.0]		-206.3	1.05	0.05	4d16 36+38 d16	0.06	0.0	2+2d8/15 L=144	0.02	4,0,8
39	s=2,m=3	ok,ok	-538.8	1.05	0.04	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=189	0.06	4,0,4
	[b=1.0;1.0]		-350.0	1.05	0.04	4d16 36+38 d16	0.06	0.0	2+2d8/15 L=189	0.02	4,0,2
40	s=4,m=3	ok,ok	-350.0	1.02	0.14	4d16 30+32 d16	0.08	0.0	2+2d8/15 L=310	0.03	2,0,5
	[b=1.0;1.0]		-40.0	1.02	0.14	4d16 30+32 d16	0.10	0.0	2+2d8/15 L=310	0.03	6,0,5
41	s=2,m=3	ok,ok	-206.3	1.05	0.04	4d16 36+38 d16	0.06	0.0	2+2d8/15 L=166	0.02	4,0,8
	[b=1.0;1.0]		-40.0	1.05	0.04	4d16 36+38 d16	0.10	0.0	2+2d8/15 L=166	0.04	4,0,4
<b>Pilas.</b>				<b>%Af</b>	<b>r. snell.</b>		<b>verif.</b>	<b>ver. rid</b>		<b>ver. V/T</b>	
				1.05	0.18		0.39	0.0		0.13	

Trave	Note	Pos.	%Af	Af inf.	Af sup.	x/d	verif.	ver. V/T	Af V	Af T	Staffe	Scorr. P	Af long.	Rif. cmb
		cm									L=cm			
1	ok,ok	0.0	0.31	46.6	46.6	0.10	0.22	0.16	4.7	0.0	2d8/5 L=562	0.0	0.0	3,4
	s=1,m=3	562.5	0.31	46.6	46.6	0.10	0.25	9.47e-03	0.3	0.0	2d8/5 L=562	0.0	0.0	7,7
2	ok,ok	0.0	0.31	46.6	46.6	0.10	0.37	0.18	5.3	0.0	2d8/5 L=65	0.0	0.0	3,4
	s=1,m=3	65.0	0.31	46.6	46.6	0.10	0.22	0.16	4.7	0.0	2d8/5 L=65	0.0	0.0	3,4
15	ok,ok	0.0	0.42	33.5	25.1	0.13	0.97	0.02	0.7	0.0	2d8/5 L=130	0.0	0.0	2,5
	s=3,m=3	130.0	0.41	32.6	25.1	0.13	0.83	0.11	3.2	0.0	2d8/5 L=130	0.0	0.0	2,2
16	ok,ok	0.0	0.53	25.1	42.6	0.15	0.96	0.27	8.0	0.0	2d8/5 L=65	0.0	0.0	2,4
	s=3,m=3	65.0	0.72	29.4	57.7	0.17	0.94	0.30	8.7	0.0	2d8/5 L=65	0.0	0.0	4,4
17	ok,ok	0.0	0.36	25.1	28.6	0.12	0.98	0.24	7.0	0.0	2d8/5 L=185	0.0	0.0	2,4
	s=3,m=3	185.0	0.31	25.1	25.1	0.11	0.18	0.18	5.1	0.0	2d8/5 L=185	0.0	0.0	1,2
18	ok,ok	0.0	0.52	25.1	41.6	0.14	0.97	0.29	8.6	0.0	2d8/5 L=75	0.0	0.0	2,1
	s=3,m=3	75.0	0.36	25.1	28.6	0.12	0.98	0.24	7.0	0.0	2d8/5 L=75	0.0	0.0	2,4
19	ok,ok	0.0	0.31	46.6	46.6	0.10	0.45	0.02	0.6	0.0	2d8/5 L=692	0.0	0.0	4,5
	s=1,m=3	692.5	0.31	46.6	46.6	0.10	0.29	0.18	5.3	0.0	2d8/5 L=692	0.0	0.0	3,4
20	ok,ok	0.0	0.31	46.6	46.6	0.10	0.29	0.18	5.3	0.0	2d8/5 L=65	0.0	0.0	3,4
	s=1,m=3	65.0	0.31	46.6	46.6	0.10	0.45	0.20	5.8	0.0	2d8/5 L=65	0.0	0.0	3,4
21	ok,ok	0.0	0.31	46.6	46.6	0.10	0.44	0.22	6.6	0.0	2d8/5 L=682	0.0	0.0	1,1
	s=1,m=3	682.5	0.31	46.6	46.6	0.10	0.46	0.02	0.6	0.0	2d8/5 L=682	0.0	0.0	4,5
22	ok,ok	0.0	0.31	46.6	46.6	0.10	0.70	0.25	7.5	0.0	2d8/5 L=75	0.0	0.0	1,1
	s=1,m=3	75.0	0.31	46.6	46.6	0.10	0.44	0.22	6.6	0.0	2d8/5 L=75	0.0	0.0	1,1
26	ok,ok	0.0	0.31	25.1	25.1	0.11	0.60	0.03	0.7	0.0	2d8/5 L=552	0.0	0.0	4,2
	s=3,m=3	552.5	0.31	25.1	25.1	0.11	0.45	0.18	5.4	0.0	2d8/5 L=552	0.0	0.0	4,4
27	ok,ok	0.0	0.31	25.1	25.1	0.11	0.45	0.18	5.4	0.0	2d8/5 L=75	0.0	0.0	4,4
	s=3,m=3	75.0	0.31	25.1	25.1	0.11	0.86	0.21	6.2	0.0	2d8/5 L=75	0.0	0.0	4,4
28	ok,ok	0.0	0.39	25.1	31.4	0.12	0.97	0.23	6.8	0.0	2d8/5 L=65	0.0	0.0	4,4
	s=3,m=3	65.0	0.31	25.1	25.1	0.11	0.82	0.21	6.1	0.0	2d8/5 L=65	0.0	0.0	4,4
29	ok,ok	0.0	0.55	25.1	43.9	0.15	0.96	0.26	7.5	0.0	2d8/5 L=65	0.0	0.0	4,4
	s=3,m=3	65.0	0.39	25.1	31.4	0.12	0.97	0.23	6.8	0.0	2d8/5 L=65	0.0	0.0	4,4
30	ok,ok	0.0	0.31	46.6	46.6	0.10	0.25	9.48e-03	0.3	0.0	2d8/5 L=552	0.0	0.0	7,7
	s=1,m=3	552.5	0.31	46.6	46.6	0.10	0.26	0.18	5.5	0.0	2d8/5 L=552	0.0	0.0	4,4
31	ok,ok	0.0	0.31	46.6	46.6	0.10	0.25	0.18	5.5	0.0	2d8/5 L=75	0.0	0.0	4,4
	s=1,m=3	75.0	0.31	46.6	46.6	0.10	0.47	0.21	6.3	0.0	2d8/5 L=75	0.0	0.0	4,4
32	ok,ok	0.0	0.34	27.3	25.1	0.11	0.99	0.11	3.2	0.0	2d8/5 L=497	0.0	0.0	2,2
	s=3,m=3	497.5	0.38	25.1	30.7	0.12	0.98	0.25	7.3	0.0	2d8/5 L=497	0.0	0.0	2,4
33	ok,ok	0.0	0.41	33.2	25.1	0.13	0.88	0.09	2.6	0.0	2d8/5 L=130	0.0	0.0	2,2
	s=3,m=3	130.0	0.42	33.5	25.1	0.13	0.97	0.02	0.7	0.0	2d8/5 L=130	0.0	0.0	2,5
34	ok,ok	0.0	0.31	25.1	25.1	0.11	0.18	0.18	5.1	0.0	2d8/5 L=367	0.0	0.0	1,2
	s=3,m=3	367.5	0.37	29.4	25.1	0.12	0.98	0.09	2.6	0.0	2d8/5 L=367	0.0	0.0	2,2
35	ok,ok	0.0	0.38	25.1	30.7	0.12	0.98	0.25	7.3	0.0	2d8/5 L=65	0.0	0.0	2,4
	s=3,m=3	65.0	0.53	25.1	42.6	0.15	0.96	0.27	8.0	0.0	2d8/5 L=65	0.0	0.0	2,4
36	ok,ok	0.0	0.31	25.1	25.1	0.11	0.82	0.21	6.1	0.0	2d8/5 L=497	0.0	0.0	4,4
	s=3,m=3	497.5	0.31	25.1	25.1	0.11	0.60	0.03	0.7	0.0	2d8/5 L=497	0.0	0.0	4,2
<b>Trave</b>			<b>%Af</b>	<b>Af inf.</b>	<b>Af sup.</b>	<b>x/d</b>	<b>verif.</b>	<b>ver. V/T</b>	<b>Af V</b>	<b>Af T</b>		<b>Scorr. P</b>	<b>Af long.</b>	
			0.72	46.65	57.67	0.17	0.99	0.30	8.74	0.0		0.0	0.0	

# STATI LIMITE D' ESERCIZIO

## LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

<b>rRfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
<b>rRfyk</b>	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
<b>rPfck</b>	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
<b>wR</b>	apertura caratteristica delle fessure in combinazioni rare [mm]
<b>wF</b>	apertura caratteristica delle fessure in combinazioni frequenti [mm]
<b>wP</b>	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
<b>dR</b>	massima deformazione in combinazioni rare
<b>dF</b>	massima deformazione in combinazioni frequenti
<b>dP</b>	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	per sezioni significative
travi	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	per sezioni significative
	<b>wR</b>	<b>wF</b>	<b>wP</b>	per sezioni significative
	<b>dR</b>	<b>dF</b>	<b>dP</b>	massimi in campata
	<b>rRfck</b>	<b>rRfyk</b>	<b>rPfck</b>	massimi nei nodi dell'elemento
setti e gusci	<b>wR</b>	<b>wF</b>	<b>wP</b>	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Pilas.	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	Pos.	rRfck	rRfyk	rPfck	Rif. cmb
	cm					cm				
3	0.0	0.09	0.10	0.04	13,13,18	20.0	0.09	0.11	0.04	13,13,18
4	0.0	0.17	0.21	0.16	13,13,18	166.3	0.10	0.09	0.09	13,11,18
5	0.0	0.22	0.29	0.21	13,13,18	37.5	0.19	0.24	0.19	13,13,18
6	0.0	0.09	0.11	0.04	13,13,18	20.0	0.10	0.12	0.05	13,13,18
7	0.0	0.19	0.24	0.19	13,13,18	37.5	0.17	0.21	0.16	13,13,18
8	0.0	0.16	0.23	0.09	11,11,18	20.0	0.16	0.23	0.09	11,11,18
9	0.0	0.27	0.37	0.21	10,10,18	37.5	0.25	0.33	0.20	10,10,18
10	0.0	0.11	0.07	0.04	11,11,18	20.0	0.11	0.07	0.03	11,11,18
11	0.0	0.06	0.04	0.06	11,12,18	37.5	0.06	0.04	0.06	11,11,18
12	0.0	0.16	0.22	0.09	11,11,18	20.0	0.16	0.23	0.09	11,11,18
13	0.0	0.25	0.33	0.20	10,10,18	355.0	0.16	0.19	0.10	13,13,18
14	0.0	0.30	0.41	0.23	10,10,18	37.5	0.27	0.37	0.21	10,10,18
23	0.0	0.11	0.07	0.04	11,11,18	20.0	0.11	0.07	0.04	11,11,18
24	0.0	0.06	0.04	0.06	11,11,18	355.0	0.08	0.06	0.05	11,11,18
25	0.0	0.06	0.04	0.06	12,12,18	37.5	0.06	0.04	0.06	11,12,18
37	0.0	0.16	0.19	0.10	13,13,18	310.0	0.16	0.22	0.09	11,11,18
38	0.0	0.06	0.05	0.05	13,11,18	143.8	0.06	0.05	0.04	13,13,18
39	0.0	0.10	0.09	0.09	13,11,18	188.8	0.06	0.05	0.05	13,11,18
40	0.0	0.08	0.06	0.05	11,11,18	310.0	0.11	0.07	0.04	11,11,18
41	0.0	0.06	0.05	0.04	13,13,18	166.3	0.09	0.10	0.04	13,13,18
Pilas.		rRfck	rRfyk	rPfck			rRfck	rRfyk	rPfck	
		0.30	0.41	0.23						

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
1	0.0	0.11	0.19	0.05	13,12,18	0.0	0.0	0.0	0,0,0	0.08	0.08	0.11	13,17,18
	562.5	0.13	0.22	0.13	13,13,18	0.0	0.0	0.0	0,0,0				
2	0.0	0.17	0.31	0.10	13,12,18	0.0	0.0	0.0	0,0,0	9.65e-03	8.80e-03	6.95e-03	13,17,18
	65.0	0.11	0.19	0.05	13,12,18	0.0	0.0	0.0	0,0,0				
15	0.0	0.43	0.81	0.21	11,11,18	0.26	0.23	0.0	11,15,0	0.36	0.32	0.09	10,14,18
	130.0	0.36	0.69	0.18	11,11,18	0.21	0.19	0.0	11,15,0				
16	0.0	0.52	0.81	0.33	13,13,18	0.24	0.22	0.11	13,17,18	0.12	0.10	0.04	11,15,18
	65.0	0.60	0.79	0.38	13,13,18	0.21	0.19	0.10	13,17,18				
17	0.0	0.39	0.82	0.21	11,11,18	0.28	0.25	0.0	11,15,0	0.57	0.43	0.12	13,17,18
	185.0	0.08	0.14	4.82e-03	10,10,18	0.0	0.0	0.0	0,0,0				
18	0.0	0.49	0.81	0.28	11,11,18	0.24	0.21	0.09	11,15,18	0.17	0.15	0.04	13,17,18
	75.0	0.39	0.82	0.21	11,11,18	0.28	0.25	0.0	11,15,0				
19	0.0	0.20	0.39	0.19	13,13,18	0.0	0.0	0.0	0,0,0	0.14	0.11	0.06	10,16,18
	692.5	0.14	0.25	0.08	12,12,18	0.0	0.0	0.0	0,0,0				
20	0.0	0.14	0.25	0.08	12,12,18	0.0	0.0	0.0	0,0,0	0.02	0.02	0.01	13,17,18
	65.0	0.19	0.38	0.14	12,12,18	0.0	0.0	0.0	0,0,0				
21	0.0	0.21	0.38	0.16	10,10,18	0.0	0.0	0.0	0,0,0	0.86	0.76	0.51	10,14,18
	682.5	0.20	0.39	0.19	13,13,18	0.0	0.0	0.0	0,0,0				
22	0.0	0.30	0.59	0.24	10,10,18	0.16	0.15	0.0	10,14,0	0.21	0.18	0.06	10,14,18
	75.0	0.21	0.37	0.16	10,10,18	0.0	0.0	0.0	0,0,0				
26	0.0	0.25	0.50	0.14	13,13,18	0.15	0.15	0.0	13,17,0	0.47	0.32	0.08	13,17,18
	552.5	0.20	0.39	0.08	13,13,18	0.0	0.0	0.0	0,0,0				
27	0.0	0.20	0.39	0.08	13,13,18	0.0	0.0	0.0	0,0,0	0.04	0.04	7.77e-03	11,15,18
	75.0	0.35	0.72	0.16	13,13,18	0.25	0.22	0.0	13,17,0				
28	0.0	0.44	0.82	0.32	13,13,18	0.27	0.25	0.15	13,17,18	0.12	0.11	0.06	13,17,18
	65.0	0.33	0.69	0.25	13,13,18	0.23	0.23	0.0	13,17,0				
29	0.0	0.52	0.80	0.37	13,13,18	0.23	0.21	0.12	13,17,18	0.03	0.03	0.01	11,17,18
	65.0	0.44	0.82	0.32	13,13,18	0.27	0.25	0.15	13,17,18				
30	0.0	0.13	0.21	0.13	13,13,18	0.0	0.0	0.0	0,0,0	0.36	0.34	0.33	13,17,18
	552.5	0.14	0.23	0.14	13,13,18	0.0	0.0	0.0	0,0,0				
31	0.0	0.14	0.23	0.14	13,13,18	0.0	0.0	0.0	0,0,0	0.05	0.04	0.04	10,14,18
	75.0	0.22	0.41	0.22	13,13,18	0.10	0.0	0.0	13,0,0				
32	0.0	0.39	0.82	0.19	11,11,18	0.29	0.26	0.0	11,15,0	2.92	2.66	0.61	11,15,18
	497.5	0.42	0.82	0.27	13,11,18	0.27	0.25	0.13	11,15,18				
33	0.0	0.39	0.73	0.20	11,11,18	0.23	0.21	0.0	11,15,0	0.21	0.19	0.04	10,14,18
	130.0	0.43	0.81	0.21	11,11,18	0.26	0.23	0.0	11,15,0				
34	0.0	0.08	0.14	4.82e-03	10,10,18	0.0	0.0	0.0	0,0,0	1.26	1.10	0.16	11,15,18
	367.5	0.40	0.82	0.21	11,11,18	0.28	0.25	0.0	11,15,0				
35	0.0	0.42	0.82	0.27	13,11,18	0.27	0.25	0.13	11,15,18	0.24	0.21	0.10	11,15,18
	65.0	0.52	0.81	0.33	13,13,18	0.24	0.22	0.11	13,17,18				
36	0.0	0.33	0.69	0.25	13,13,18	0.23	0.23	0.0	13,17,0	0.93	0.63	0.42	13,17,18
	497.5	0.25	0.50	0.14	13,13,18	0.15	0.15	0.0	13,17,0				

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
Trave		rRfck	rRfyk	rPfck		wR	wF	wP		dR	dF	dP	
		0.60	0.82	0.38		0.29	0.26	0.15		2.92	2.66	0.61	