

# ADEGUAMENTO S.S. n°87 "SANNITICA"

## INTERVENTI LOCALIZZATI PER GARANTIRE LA PERCORRIBILITA' IMMEDIATA TRATTO "CAMPOBASSO – BIVIO S.ELIA"

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## 06 OM-OPERE D'ARTE MINORI

06.01 tp-Tombini idraulici

Tombini circolari – Relazione descrittiva e di calcolo

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**1 PREMESSA**

Oggetto della trattazione nel seguito esposta è in particolare il dimensionamento strutturale dei tombini, dei pozzetti e delle vasche di raccolta e smaltimento delle acque defluenti nei tombini, ubicati generalmente a monte e/o valle delle opere di attraversamento, ed in qualche caso, in corrispondenza di salti intermedi.

In accordo alle disposizioni dettate dalle "Norme tecniche per le costruzioni" (DM 17.01.2018), sono state effettuate le verifiche agli stati limite di esercizio (SLE) e agli stati limite ultimi (SLU).

L'opera in esame è prevista nell'ambito dell'adeguamento della SS87 in direzione di Campobasso per un'estesa di circa 3.400 m in comune di Campolieto.

Per completezza, si riporta nella tabella seguente, l'elenco completo degli attraversamenti in progetto, con indicazione delle geometrie di ciascun pozzetto:

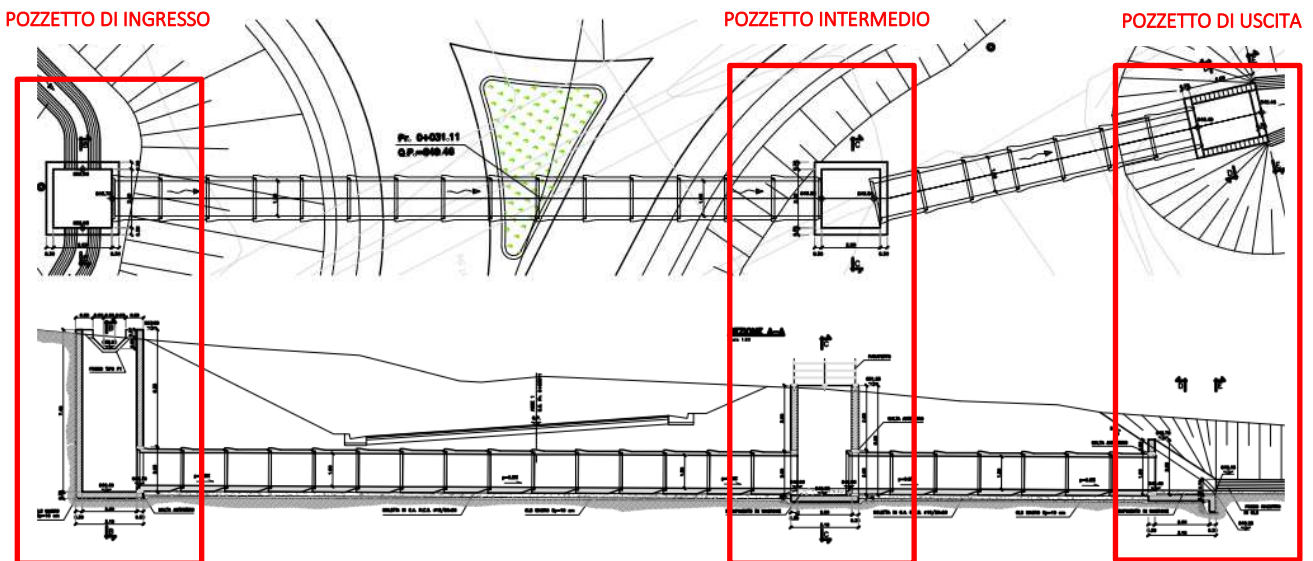
PROGRESSIVA km	POZZETTO INGRESSO				POZZETTO INTERMEDIO				POZZETTO USCITA			
	Hint [m]	Bint [m]	Sf [m]	Sp [m]	Hint [m]	Bint [m]	Sf [m]	Sp [m]	Hint [m]	Bint [m]	Sf [m]	Sp [m]
0+035.20	7.40	2.5x2.5	0.30	0.30	5.00	2.0x2.50	0.30	0.30	1.6 med.	2.0	0.30	0.30
0+405	2.00	3.0x2.5	0.30	0.30	-	-	-	-	1.7 med.	2.5	0.30	0.30
1+296	2.75 med	5.0x2.5	0.30	0.30	-	-	-	-	2.45med	2.5	0.30	0.30
1+574	3.9	3.5x2.5	0.30	0.30	-	-	-	-	2.4 med.	2.5	0.30	0.30
2+188.75	2.9 med.	4.5x2.5	0.30	0.30	-	-	-	-	2.8 med.	2.5	0.30	0.30

Tabella di sintesi pozzetti attraversamenti idraulici

Hint: Altezza interna Pozzetto;

Bint: Base interna Pozzetto;

Sf,Sp: Sono rispettivamente gli spessori della soletta di fondazione e delle pareti.



Planimetria e profilo tombino tipo con individuazione dei pozzetti

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Nelle pagine seguenti sono riportati i risultati dell'analisi delle sollecitazioni e relative verifiche strutturali relativi a due tipologie di pozzetto:

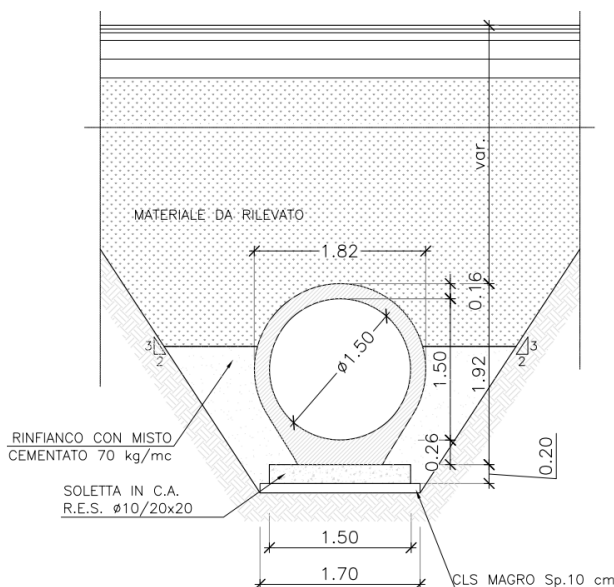
POZZETTO TIPO 1: pozzetto di ingresso/intermedio con altezza interna pari a 7.40m (altezza maggiore tra i pozzetti di ingresso/uscita, a parità di spessore della parete) per il quale lo schema statico adottato è di parete vincolata su tre lati.

POZZETTO TIPO 2: pozzetto di uscita con altezza interna media pari a 2.80m (altezza maggiore tra i pozzetti di uscita, a parità di spessore della parete) per il quale lo schema statico adottato è di parete vincolata su due lati.

Lo studio viene effettuato sulla singola parete verticale dei pozzetti pochè le sollecitazioni di calcolo all'estremità della soletta inferiore sono pressochè coincidenti con quelle a base della parete verticale, per cui, essendo prevista la stessa sezione resistente, si omettono tali verifiche; stesse considerazioni valgono per il caso della sezione di mezzeria, dove le sollecitazioni di progetto sono sicuramente inferiori a quella di estremità.

Per quanto concerne i tombini sono tutti costituiti da tubi  $\Phi 1500$  con ricomprimenti diversi. In particolare, sotto la viabilità lo spessore varia da 0.60 m a circa 3.50 m, pertanto verranno calcolati entrambe i tombini.

Di seguito si riporta lo stralcio della sezione trasversale tipo:



Sezione trasversale tipo tombino  $\Phi 1500$

## **2** **NORMATIVA E RACCOMANDAZIONI**

La redazione della presente relazione è stata condotta nel rispetto della normativa in vigore, in particolare:

- D. Min. Infrastrutture 17 gennaio 2018 "Aggiornamento delle nuove norme tecniche per le costruzioni";
- Circolare 21 gennaio 2019 n. 7: Istruzioni per l'applicazione dell'"Aggiornamento delle nuove norme tecniche per le costruzioni" di cui al D.M. 17 gennaio 2018;
- CNR 10011/97, "Costruzioni di acciaio. Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione";
- CNR 10016/2000, "Strutture composte di acciaio e calcestruzzo. Istruzioni per l'impiego nelle costruzioni";
- CNR 10018/1999, "Apparecchi d'appoggio per le costruzioni – Istruzioni per l'impiego";
- CNR 10030/93, "Anime irrigidite di travi a parete piena";
- UNI EN 1991-1-5:2004 "Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche";
- UNI EN 1992-1-1:2005, "Eurocodice 2 – Progettazione delle strutture di calcestruzzo - parte 1 - Regole generali e regole per edifici";
- UNI EN 1993-1-1:2005, "Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici";
- UNI EN 1993-1-5:2007, "Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-5: Elementi strutturali a lastra";
- UNI EN 1994-2:2006, "Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti";
- UNI EN 1998-2:2006, "Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 2: Ponti";
- Model Code 1990, CEB-FIP;
- Capitolato ANAS: "Norme tecniche per l'esecuzione del contratto", 2018.



### **3 CARATTERISTICHE DEI MATERIALI**

Si riportano qui di seguito le caratteristiche prestazionali dei materiali che saranno impiegati per la realizzazione delle opere in oggetto, secondo la normativa in vigore e con riferimento al metodo di calcolo agli stati limite.

- **Calcestruzzo per fondazioni**

Tipo (secondo UNI EN 206-1):	C32/40
Resistenza cubica caratteristica (t=28 gg):	$f_{ck, cube} \geq 40 \text{ N/mm}^2$
Resistenza cilindrica caratteristica (t=28 gg):	$f_{ck} \geq 32 \text{ N/mm}^2$
Modulo elastico secante:	$E_{cm} = 33.642 \text{ N/mm}^2$
Classe di consistenza:	S4
Rapporto massimo acqua / cemento	$A/C \leq 0.50$
Diametro massimo inerti:	30 mm
Classe di esposizione ambientale:	XC2
Copriferro minimo getti in opera	40 mm

- **Calcestruzzo per piedritti**

Tipo (secondo UNI EN 206-1):	C32/40
Resistenza cubica caratteristica (t=28 gg):	$f_{ck, cube} \geq 40 \text{ N/mm}^2$
Resistenza cilindrica caratteristica (t=28 gg):	$f_{ck} \geq 32 \text{ N/mm}^2$
Modulo elastico secante:	$E_{cm} = 33.642 \text{ N/mm}^2$
Classe di consistenza:	S4
Rapporto massimo acqua / cemento	$A/C \leq 0.50$
Diametro massimo inerti:	30 mm
Classe di esposizione ambientale:	XC2
Copriferro minimo getti in opera	40 mm

- **Acciaio per cemento armato**

Tipo: B 450 C	
Tensione caratteristica di rottura a trazione:	$f_{tk} \geq 540 \text{ N/mm}^2$
Tensione caratteristica di snervamento:	$f_{yk} \geq 450 \text{ N/mm}^2$

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Tensione ammissibile:	$\sigma_{amm} = 260 \text{ N/mm}^2$
Tensione di calcolo ( $\gamma=1.15$ ):	$f_{yd} = 450 / 1.15 = 391 \text{ N/mm}^2$
Modulo elastico:	$E = 210'000 \text{ N/mm}^2$

La scelta del copriferro minimo di progetto  $c_{min}$  dei getti in opera, inteso come lo spessore minimo del ricoprimento dello strato di calcestruzzo a protezione dei ferri d'armatura, è stata determinata in base a quanto indicato nella circolare Esplicativa del D.M. 17 gennaio 2018, tenendo conto della classe di esposizione ambientale e della classe del Calcestruzzo prevista.

Nello specifico, tenendo conto della classe di esposizione ambientale ipotizzata si è evidenziato una Classe di Esposizione XC2 e pertanto Condizioni Ambientali "Ordinarie", in relazione a quanto riportato in tabella 4.1.III del DM 17.01.18 e in tabelle C4.1.IV della circolare applicativa, per le classi di calcestruzzo previste è prescritto un copriferro minimo  $c_{min} \geq 20\text{mm}$ . A tale valore va aggiunta una tolleranza di posa di 10 mm.

**Tab. 4.1.III – Descrizione delle condizioni ambientali**

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

In definitiva ai fini progettuali si è assunto  $c = (20+10) = 30\text{mm}$  (in favore di sicurezza si è assunto  $c=40\text{mm}$ ) sia per le fondazioni che per i piedritti (C32/40 - barre da c.a. con elementi a piastra).

**Tabella C4.1.IV - Copriferri minimi in mm**

$C_{min}$	$C_0$	ambiente	barre da c.a. elementi a piastra		barre da c.a. altri elementi		cavi da c.a.p. elementi a piastra		cavi da c.a.p. altri elementi	
			$C \geq C_0$	$C_{min} \leq C < C_0$	$C \geq C_0$	$C_{min} \leq C < C_0$	$C \geq C_0$	$C_{min} \leq C < C_0$	$C \geq C_0$	$C_{min} \leq C < C_0$
C25/30	C35/45	ordinario	15	20	20	25	25	30	30	35
C30/37	C40/50	aggressivo	25	30	30	35	35	40	40	45
C35/45	C45/55	molto ag.	35	40	40	45	45	50	50	50

#### 4 CARATTERISTICHE GEOLOGICHE E IDROLOGICHE

I parametri geotecnici del terreno di fondazione sono stati ricavati dalla relazione geotecnica allegata al progetto. Da tale relazione risulta che nel tratto in oggetto la falda è posta a 2 m dal piano campagna.

Per il terreno di fondazione si sono assunti i seguenti valori di caratterizzazione geotecnica:

Unità				Parametri drenati			Parametri non drenati	
	Da [m]	a [m]	$\gamma$ [KN/m <sup>3</sup> ]	c' [kPa]	$\phi$ [°]	M <sub>DS</sub> [MPa]	c <sub>u</sub> [kPa]	E <sub>u</sub> [MPa]
Strato 1	0	5	19	4	22	7.5	50	10
Strato 2	5	10	19	4	24	30	200	50
Strato 3	10	-	19	20	24	45	300	75

Per il rilevato si sono assunti i seguenti valori di caratterizzazione geotecnica:

Unità	$\gamma$	c'	$\phi'$	E'
	[KN/m <sup>3</sup> ]	[kPa]	[°]	[MPa]
Rilevato	20	0.0	35	30.0

##### 4.1 INTERAZIONE TERRENO-FONDAZIONE

Di seguito sono trattati gli aspetti di natura geotecnica riguardanti l'interazione terreno-struttura relativamente all'opera in esame.

Per la determinazione della costante di sottofondo si può fare riferimento alle seguenti formulazioni assimilando il comportamento del terreno a quello di un mezzo elastico omogeneo:

$$s = B \cdot c_t \cdot (q - \sigma_{v0}) \cdot (1 - \nu^2) / E$$

dove:

- s = cedimento elastico totale;
- B = lato minore della fondazione;
- c<sub>t</sub> = coefficiente adimensionale di forma ottenuto dalla interpolazione dei valori dei coefficienti proposti dal Bowles, 1960 (L = lato maggiore della fondazione):
 
$$c_t = 0.853 + 0.534 \ln(L/B) \text{ rettangolare con } L/B \leq 10$$

$$c_t = 2 + 0.0089 (L/B) \text{ rettangolare con } L/B > 10$$
- q = pressione media agente sul terreno;
- $\sigma_{v0}$  = tensione litostatica verticale alla quota di posa della fondazione;

- $\nu$  = coefficiente di Poisson del terreno;
- $E$  = modulo elastico medio del terreno sottostante.

Il valore della costante di sottofondo  $k_w$  è valutato attraverso il rapporto tra il carico applicato ed il corrispondente cedimento, pertanto si ottiene:

$$k_w = E / [(1-\nu^2) \cdot B \cdot C_t]$$

Di seguito si riportano, in forma tabellare, i risultati delle valutazioni effettuate per il caso in esame, sulla scorta del valore di progetto di  $E$  attribuito allo strato di fondazione (valore medio del modulo elastico a piccole deformazioni), avendo considerato una dimensione longitudinale della fondazione ritenuta potenzialmente collaborante:

$C_t$	2.178	-	Coefficiente di forma
$E$	7.5	MPa	Modulo deformabilità terreno in sito
$\nu$	0.2	-	Coefficiente di Poisson
$k_w$	0.024	N/mm <sup>2</sup> /cm	Costante di Winkler

Nelle verifiche è stato assunto  $k_w = 0.024$  N/mm<sup>2</sup>/cm.

## **5 CARATTERIZZAZIONE SISMICA**

Nel seguente paragrafo è riportata la valutazione dei parametri di pericolosità sismica utili alla determinazione delle azioni sismiche di progetto dell'opera cui si riferisce il presente documento.

### **5.1 VITA NOMINALE E CLASSE D'USO**

Per la valutazione dei parametri di pericolosità sismica è necessario definire, oltre alla localizzazione geografica del sito, la Vita nominale dell'opera strutturale ( $V_N$ ), intesa come il numero di anni nel quale la struttura, purché soggetta alla manutenzione ordinaria, deve potere essere usata per lo scopo al quale è destinata, e la Classe d'Uso a cui è associato un coefficiente d'uso ( $C_U$ )

Per l'opera in oggetto si considera una vita nominale:  $V_N = 50$  anni. Riguardo invece la Classe d'Uso, all'opera in oggetto corrisponde una Classe III a cui è associato un coefficiente d'uso pari a (NTC – Tabella 2.4.II):  $C_U = 2$ .

I parametri di pericolosità sismica vengono quindi valutate in relazione ad un periodo di riferimento  $V_R$  che si ricava per ciascun tipo di costruzione, moltiplicando la vita nominale  $V_N$  per il coefficiente d'uso  $C_U$ , ovvero:

$$V_R = V_N \cdot C_U$$

Pertanto, per l'opera in oggetto, il periodo di riferimento è pari a  $V_R = 50 \times 2 = 100$  anni

### **5.2 PARAMETRI DI PERICOLOSITA' SISMICA**

La valutazione dei parametri di pericolosità sismica, che ai sensi del D.M. 208, costituiscono il dato base per la determinazione delle azioni sismiche di progetto su una costruzione (forme spettrali e/o forze inerziali) dipendono, come già in parte anticipato in precedenza, dalla localizzazione geografica del sito, dalle caratteristiche della costruzione (Periodo di riferimento per valutazione azione sismica /  $V_R$ ) oltre che dallo Stato Limite di riferimento/Periodo di ritorno dell'azione sismica.

Le azioni sismiche vengono valutate in base alle accelerazioni massime attese in superficie pari a:

$$a_{\max} = S \cdot a_g = (S_S \cdot S_T) \cdot a_g \quad [7.11.8]$$

Dove:

$S$  = coefficiente che comprende l'effetto dell'amplificazione stratigrafica ( $S_S$ ) e dell'amplificazione topografica ( $S_T$ ), di cui al § 3.2.3.2;

$a_g$  = accelerazione orizzontale massima attesa su sito di riferimento rigido.

Con riferimento al D.M. del 17 gennaio 2018 si definiscono i seguenti parametri:

$V_N = 50$  anni (vita nominale)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Classe d'uso = IV	(strade di cat. A)
$C_U = 2$	(coefficiente d'uso)
$V_R = C_U \times V_n = 2 \times 50 = 100$ anni	(vita di riferimento)
Stato limite di verifica: SLV	(stato limite di salvaguardia della vita – cfr. DM-2018-7.1)
$P_{vr} = 10\%$	(probabilità di superamento dell'evento nella $V_r$ )
$T_R = 956$ anni	(periodo di ritorno)
Categoria suolo di fondazione: C	
Categoria topografica: T1	
Spettro di progetto: elastico	(smorzamento $\xi = 5\%$ , fattore $q = 1$ )

In particolare, il procedimento per la definizione dei parametri sismici di progetto per i vari Stati Limite è stato il seguente:

- Definizione della Vita Nominale e della Classe d'Uso della struttura, il cui uso combinato ha portato alla definizione del Periodo di Riferimento dell'azione sismica.
- Individuazione, tramite latitudine e longitudine, dei parametri sismici di base  $a_g$ ,  $F_0$  e  $T^*_c$  per lo Stato Limite di salvaguardia della vita; tramite le tabelle riportate nell'Allegato B della norma, è possibile definire i valori di  $a_g$ ,  $F_0$ ,  $T^*_c$ :  
 $a_g \rightarrow$  accelerazione orizzontale massima del terreno su suolo di categoria A, espressa come frazione dell'accelerazione di gravità;  
 $F_0 \rightarrow$  valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;  
 $T^*_c \rightarrow$  periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;
- Determinazione dei coefficienti d'amplificazione stratigrafica e topografica.
- Calcolo del periodo  $T_c$  corrispondente all'inizio del tratto a velocità costante dello Spettro.

Visto che l'azione sismica varia al variare delle coordinate geografiche, si sono assunti nei calcoli i valori massimi presenti nella tratta interessata:

$$a_g / g = 0.283$$

Nota la categoria di sottosuolo e la categoria topografica si hanno i seguenti valori dei coefficienti di amplificazione stratigrafica ( $S_s$ ) e di amplificazione topografica ( $S_t$ ) (§ 3.2.3.2.1 DM 17 gennaio 2018) e si definisce il coefficiente  $S$ :

$$S_s = 1.283$$

$$S_t = 1$$

$$S = S_s \cdot S_t = 1.283$$

L'accelerazione massima risulterebbe quindi:  $a_{max}(SLV) = S \cdot a_g = S_s \cdot a_g = 1.283 \cdot 0.283 = 0.363g$

## 6 COMBINAZIONI DI CARICO

Le combinazioni di carico, considerate ai fini delle verifiche, sono stabilite in modo da garantire la sicurezza in conformità a quanto prescritto al 6.7 del D.M. 17 gennaio 2018.

Le verifiche devono essere svolte con riferimento agli stati limite ultimi (SLU) e agli stati limite di esercizio (SLE).

### 6.1 STATO LIMITE ULTIMO

Le azioni sulla costruzione sono state cumulate in modo da determinare condizioni di carico tali da risultare più sfavorevoli ai fini delle singole verifiche, tenendo conto della probabilità ridotta di intervento simultaneo di tutte le azioni con i rispettivi valori più sfavorevoli, come consentito dalle norme vigenti.

Per gli stati limite ultimi sono state adottate le combinazioni al punto 2.5.3. D.M. 17 gennaio 2018 del tipo:

Combinazione Fondamentale

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots \quad [2.5.1]$$

Combinazione sismica

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots \quad [2.5.5]$$

Combinazione eccezionale

$$G_1 + G_2 + P + A_d + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots \quad [2.5.6]$$

Dove:

- permanenti (G): azioni che agiscono durante tutta la vita nominale di progetto della costruzione, la cui variazione di intensità nel tempo è molto lenta e di modesta entità: peso proprio di tutti gli elementi strutturali; peso proprio del terreno, quando pertinente; forze indotte dal terreno (esclusi gli effetti di carichi variabili applicati al terreno); forze risultanti dalla pressione dell'acqua (quando si configurino costanti nel tempo) (G1); peso proprio di tutti gli elementi non strutturali (G2); spostamenti e deformazioni impressi, incluso il ritiro; presollecitazione (P).
- variabili (Q): azioni che agiscono con valori istantanei che possono risultare sensibilmente diversi fra loro nel corso della vita nominale della struttura: sovraccarichi; azioni del vento; azioni della neve; azioni della temperatura.
- eccezionali (A): azioni che si verificano solo eccezionalmente nel corso della vita nominale della struttura; incendi; esplosioni; urti ed impatti;
- sismiche (E): azioni derivanti dai terremoti.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

I coefficienti moltiplicativi delle azioni (Tab. 2.6.I del D.M. 17 gennaio 2018) si differenziano in  $\gamma_{G1}$  coefficiente parziale dei carichi permanenti  $G_1$ ,  $\gamma_{G2}$  coefficiente parziale dei carichi permanenti non strutturali  $G_2$  e  $\gamma_{Qi}$  coefficiente parziale delle azioni variabili  $Q$ . Con riferimento alla durata relativa ai livelli di intensità di un'azione variabile, si definiscono:  $\Psi_{2j} Q_{kj}$  (il valore istantaneo superato oltre il 50% del tempo nel periodo di riferimento),  $\Psi_{1j} Q_{kj}$  (il valore superato per un periodo totale di tempo che rappresenti una piccola frazione del periodo di riferimento),  $\Psi_{0j} Q_{kj}$  (il valore tale che la probabilità di superamento degli effetti causati dalla concomitanza con altre azioni sia circa la stessa di quella associata al valore caratteristico di una singola azione).

Le verifiche agli stati limite ultimi devono essere eseguite con l'Approccio 1, considerando le due combinazioni di coefficienti

Combinazione 1: (A1+M1+R1)

Combinazione 2: (A2+M2+R2)

con i valori dei coefficienti parziali riportati nelle Tabelle 6.2.I, 6.2.II e con i coefficienti  $J_R$  dei gruppi R1 e R2 pari all'unità.

**Tab. 6.2.I – Coefficienti parziali per le azioni o per l'effetto delle azioni**

	Effetto	Coefficiente Parziale $\gamma_F$ (o $\gamma_E$ )	EQU	(A1)	(A2)
Carichi permanenti $G_1$	Favorevole	$\gamma_{G1}$	0,9	1,0	1,0
	Sfavorevole		1,1	1,3	1,0
Carichi permanenti $G_2^{(1)}$	Favorevole	$\gamma_{G2}$	0,8	0,8	0,8
	Sfavorevole		1,5	1,5	1,3
Azioni variabili $Q$	Favorevole	$\gamma_{Qi}$	0,0	0,0	0,0
	Sfavorevole		1,5	1,5	1,3

<sup>(1)</sup> Per i carichi permanenti  $G_2$  si applica quanto indicato alla Tabella 2.6.I. Per la spinta delle terre si fa riferimento ai coefficienti  $\gamma_{G1}$

**Tab. 6.2.II – Coefficienti parziali per i parametri geotecnici del terreno**

Parametro	Grandezza alla quale applicare il coefficiente parziale	Coefficiente parziale $\gamma_M$	(M1)	(M2)
Tangente dell'angolo di resistenza al taglio	$\tan \varphi'_k$	$\gamma_{\varphi'}$	1,0	1,25
Coazione efficace	$c'_k$	$\gamma_{c'}$	1,0	1,25
Resistenza non drenata	$c_{uk}$	$\gamma_{cu}$	1,0	1,4
Peso dell'unità di volume	$\gamma_V$	$\gamma_V$	1,0	1,0

I valori dei coefficienti  $\Psi_{0j}$ ,  $\Psi_{1j}$  e  $\Psi_{2j}$  sono riportati in Tab. 2.5.I del D.M. 17 gennaio 2018:



Tab. 2.5.I – Valori dei coefficienti di combinazione

Categoria/Azione variabile	$\Psi_{0j}$	$\Psi_{1j}$	$\Psi_{2j}$
Categoria A - Ambienti ad uso residenziale	0,7	0,5	0,3
Categoria B - Uffici	0,7	0,5	0,3
Categoria C - Ambienti suscettibili di affollamento	0,7	0,7	0,6
Categoria D - Ambienti ad uso commerciale	0,7	0,7	0,6
Categoria E – Aree per immagazzinamento, uso commerciale e uso industriale Biblioteche, archivi, magazzini e ambienti ad uso industriale	1,0	0,9	0,8
Categoria F - Rimesse, parcheggi ed aree per il traffico di veicoli (per autoveicoli di peso $\leq 30$ kN)	0,7	0,7	0,6
Categoria G – Rimesse, parcheggi ed aree per il traffico di veicoli (per autoveicoli di peso $> 30$ kN)	0,7	0,5	0,3
Categoria H - Coperture accessibili per sola manutenzione	0,0	0,0	0,0
Categoria I – Coperture praticabili	da valutarsi caso per caso		
Categoria K – Coperture per usi speciali (impianti, eliporti, ...)			
Vento	0,6	0,2	0,0
Neve (a quota $\leq 1000$ m s.l.m.)	0,5	0,2	0,0
Neve (a quota $> 1000$ m s.l.m.)	0,7	0,5	0,2
Variazioni termiche	0,6	0,5	0,0

Le combinazioni risultanti sono state costruite a partire dalle sollecitazioni caratteristiche calcolate per ogni condizione di carico elementare.

## 6.2 STATO LIMITE DI ESERCIZIO

Allo Stato Limite di Esercizio le sollecitazioni con cui sono stati progettati gli elementi in c.a. sono state ricavate applicando le combinazioni al punto 2.5.3. del D.M. 17 gennaio 2018, dove le azioni, i coefficienti moltiplicativi delle azioni e i coefficienti di combinazione sono definiti come al paragrafo precedente.

A seconda dei casi, si fa riferimento alle seguenti combinazioni di carico:

Combinazione caratteristica o rara

$$G_1 + G_2 + P + Q_{k1} + \Psi_{02} \cdot Q_{k2} + \Psi_{03} \cdot Q_{k3} + \dots \quad [2.5.2]$$

Combinazione frequente

$$G_1 + G_2 + P + \Psi_{11} \cdot Q_{k1} + \Psi_{22} \cdot Q_{k2} + \Psi_{23} \cdot Q_{k3} + \dots \quad [2.5.3]$$

Combinazione quasi permanente

$$G_1 + G_2 + P + \Psi_{21} \cdot Q_{k1} + \Psi_{22} \cdot Q_{k2} + \Psi_{23} \cdot Q_{k3} + \dots \quad [2.5.4]$$

In maniera analoga a quanto illustrato nel caso dello Stato limite ultimo, le combinazioni risultanti sono state costruite a partire dalle sollecitazioni caratteristiche calcolate per ogni condizione di carico. Per ognuna delle combinazioni ottenute, in funzione dell'elemento, sono state effettuate le verifiche allo SLE (tensioni, deformazioni e fessurazione).

Negli allegati tabulati di calcolo sono riportanti i coefficienti relativi alle combinazioni di calcolo generate relativamente alle combinazioni di azioni "Quasi Permanente", "Frequente" e "Rara".

## **7 CRITERI DI VERIFICA (STR)**

Il progetto delle opere in oggetto viene svolto secondo il metodo semiprobabilistico degli stati limite, in accordo alla normativa vigente (DM 17/01/2018. "Norme tecniche per le costruzioni"). L'analisi mira a garantire la sicurezza e le prestazioni attese attraverso il conseguimento dei requisiti di sicurezza nei confronti degli Stati Limite Ultimi (SLU) e di sicurezza nei confronti degli Stati Limite di Esercizio (SLE).

In questo caso occorrerà eseguire le sole verifiche a Stato Limite di tipo strutturale (STR).

L'analisi strutturale dell'opera in oggetto è condotta per le azioni statiche e sismiche illustrate nei paragrafi precedenti. Per le sezioni in cemento armato si effettuano:

- verifiche per gli stati limite ultimi a presso-flessione;
- verifiche per gli stati limite ultimi a taglio;
- verifiche agli stati limite di esercizio

Nella verifica degli elementi allo SLU si definiscono le combinazioni delle azioni in base al D.M. 17 gennaio 2018, ottenendo un insieme di sollecitazioni. A seguire si combinano tali sollecitazioni con quelle dovute all'eventuale azione del sisma. Per sollecitazioni semplici (flessione retta, taglio, etc.) si individuano i valori minimo e massimo con cui progettare o verificare l'elemento considerato; per sollecitazioni composte (presso-flessione retta/deviata) vengono eseguite le verifiche per tutte le possibili combinazioni e solo a seguito di ciò si individua quella che ha originato il minimo coefficiente di sicurezza.

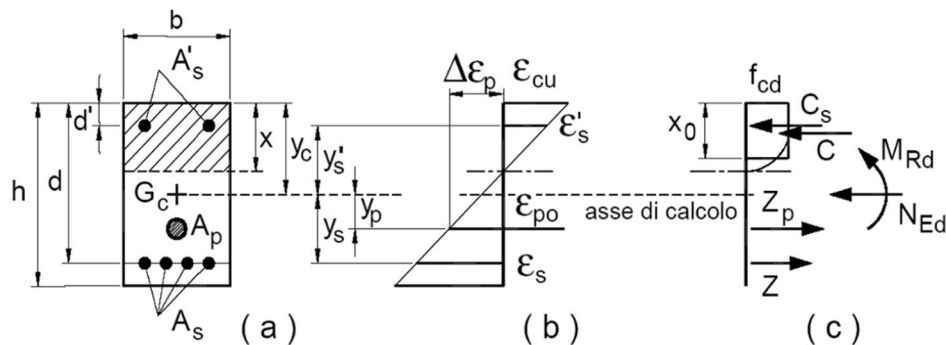
Una volta semiprogettate le armature allo SLU, si procede alla verifica delle sezioni allo SLE con le sollecitazioni derivanti dalle combinazioni rare, frequenti e quasi permanenti. Successivamente si procede alle verifiche alla deformazione, quando richiesto, ed alla fessurazione che, come è noto, sono tese ad assicurare la durabilità dell'opera nel tempo.

### **7.1 VERIFICHE A STATO LIMITE ULTIMO**

#### **7.1.1 Verifiche a presso-flessione**

La determinazione della capacità resistente a flessione/presso-flessione della generica sezione viene effettuata con i criteri di cui al punto 4.1.2.1.2.4 delle NTC18, secondo quanto riportato schematicamente in figura, tenendo conto dei valori delle resistenze e deformazioni di calcolo riportate al paragrafo dedicato alle caratteristiche dei materiali.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**



Schema di riferimento per la valutazione della capacità resistente a pressoflessione generica sezione

La verifica consisterà nel controllare il soddisfacimento della seguente condizione:

$$M_{Rd} = M_{Rd}(N_{Ed}) \geq M_{Ed}$$

dove

- $M_{Rd}$  è il valore di calcolo del momento resistente corrispondente a  $N_{Ed}$ ;
- $N_{Ed}$  è il valore di calcolo della componente assiale (sforzo normale) dell'azione;
- $M_{Ed}$  è il valore di calcolo della componente flettente dell'azione.

In particolare, per il progetto degli elementi in c.a. (piedritti e fondazione) viene ipotizzata un'armatura iniziale che rispetti i minimi normativi. Per tutte le coppie (N, Mx), individuate secondo la modalità precedentemente illustrata, si calcola il momento ultimo in funzione di N, quindi il coefficiente di sicurezza rapportando tale momento ultimo a Mx. Se per almeno una di queste coppie il coefficiente di sicurezza risulta inferiore a 1 si incrementa l'armatura e si ripeté il procedimento fino a che per tutte le coppie (N, Mx) il coefficiente di sicurezza risulta al più pari a 1. Nei tabulati di calcolo, per brevità, non potendo riportare una così grossa mole di dati, si riporta la coppia (N, Mx) che ha dato luogo al minimo coefficiente di sicurezza.

### 7.1.2 Verifica a taglio

La verifica allo stato limite ultimo per azioni di taglio è condotta secondo quanto prescritto dalla norma UNI EN 1992-1-1:2005, per elementi con armatura a taglio verticali.

Si fa, pertanto, riferimento ai seguenti valori della resistenza di calcolo:

- $V_{Rd,c} = \max \left\{ \left[ \frac{0.18}{\gamma_c} \cdot k \cdot (100 \cdot \rho_1 \cdot f_{ck})^{1/3} + 0.15 \cdot \sigma_{cp} \right] \cdot b_w \cdot d; (v_{\min} + 0.15 \cdot \sigma_{cp}) \cdot b_w \cdot d \right\}$ ,

resistenza di calcolo dell'elemento privo di armatura a taglio

- $V_{Rd,s} = 0.9 \cdot \frac{A_{sw}}{s} \cdot z \cdot f_{ywd} \cdot (\cot \alpha + \cot \vartheta) \cdot \sin \alpha$ , valore di progetto dello sforzo di taglio che può essere sopportato dall'armatura a taglio alla tensione di snervamento

- $V_{Rd,max} = 0.9 \cdot d \cdot b_w \cdot \alpha_c \cdot f'_{cd} (\cot\alpha + \cot\vartheta) / (1 + \cot^2 \vartheta)$ , valore di progetto del massimo sforzo di taglio che può essere sopportato dall'elemento, limitato dalla rottura delle bielle compresse.

Nelle espressioni precedenti, i simboli hanno i seguenti significati:

- $k = 1 + \sqrt{\frac{200}{d}} \leq 2$  con d in mm;
- $\rho_1 = \frac{A_{sl}}{b_w \cdot d} \leq 0.02$ ;
- $A_{sl}$  è l'area dell'armatura tesa;
- $b_w$  è la larghezza minima della sezione in zona tesa;
- $\sigma_{cp} = \frac{N_{Ed}}{A_c} < 0.2 \cdot f_{cd}$ ;
- $N_{Ed}$  è la forza assiale nella sezione dovuta ai carichi;
- $A_c$  è l'area della sezione di calcestruzzo;
- $v_{min} = 0.035 \cdot k^{3/2} \cdot f_{ck}^{1/2}$ ;
- $1 \leq \cot\vartheta \leq 2.5$  è l'inclinazione dei puntoni di calcestruzzo rispetto all'asse della trave
- $A_{sw}$  è l'area della sezione trasversale dell'armatura a taglio;
- s è il passo delle staffe;
- $f_{ywd}$  è la tensione di snervamento di progetto dell'armatura a taglio;
- $f'_{cd} = 0.5 \cdot f_{cd}$  è la resistenza ridotta a compressione del calcestruzzo d'anima;
- $\alpha_{cw} = 1$  è un coefficiente che tiene conto dell'interazione tra la tensione nel corrente compresso e qualsiasi tensione di compressione assiale.

## 7.2 VERIFICA A STATO LIMITE D'ESERCIZIO

### 7.2.1 Verifica delle tensioni in esercizio

Nel primo caso, si esegue il controllo delle tensioni nei materiali supponendo una legge costitutiva tensioni-deformazioni di tipo lineare. In particolare, si controlla la tensione massima di compressione del calcestruzzo e di trazione dell'acciaio, verificando che:

- $\sigma_c < 0.60 f_{ck}$  per combinazione rara delle azioni;
- $\sigma_c < 0.45 f_{ck}$  per combinazione quasi permanenti;

- $\sigma_s < 0.80 f_{yk}$  .

### 7.2.2 Verifica di fessurazione

La verifica a fessurazione è stata svolta secondo il metodo proposto della NTC 2018. La verifica di fessurazione consiste nel controllare l'ampiezza dell'apertura delle fessure sotto combinazione di carico frequente e combinazione quasi permanente. In relazione all'aggressività ambientale e alla sensibilità dell'acciaio, l'apertura limite delle fessure è riportata nel prospetto seguente:

Tab. 4.1.IV - Criteri di scelta dello stato limite di fessurazione

Gruppi di Esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	$w_k$	Stato limite	$w_k$
A	Ordinarie	frequente	apertura fessure	$\leq w_2$	apertura fessure	$\leq w_3$
		quasi permanente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
B	Aggressive	frequente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$
C	Molto aggressive	frequente	formazione fessure	-	apertura fessure	$\leq w_1$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$

In questo caso si assume che le condizioni ambientali del sito in cui sorge l'opera siano ordinarie.

Si verifica che il valore limite di apertura della fessura, calcolato per armature poco sensibili, sia al più pari ai seguenti valori nominali (frequente:  $w_3=0.4$  mm; quasi permanente:  $w_2=0.3$  mm). In favore di sicurezza si adottano i seguenti valori:

- $w_2 = 0.3$  mm                      combinazione frequente
- $w_1 = 0.2$  mm                      combinazione quasi permanente

## 8 CRITERI DI VERIFICA (GEO)

### 8.1 VERIFICA A CARICO LIMITE

Per la verifica della capacità portante delle fondazioni superficiali si è fatto ricorso alla teoria di Meyerhof secondo la quale, il carico limite di una fondazione superficiale, è valutabile attraverso le seguenti espressioni:

$$Q_{lim} = c \cdot N_c \cdot s_c \cdot d_c + \gamma_1 \cdot D \cdot N_q \cdot s_q \cdot d_q + \frac{1}{2} \gamma_2 \cdot B \cdot N_\gamma \cdot s_\gamma \cdot d_\gamma \quad (\text{Caso di Carico Verticale})$$

$$Q_{lim} = c \cdot N_c \cdot d_c \cdot i_c + \gamma_1 \cdot D \cdot N_q \cdot d_q \cdot i_q + \frac{1}{2} \gamma_2 \cdot B \cdot N_\gamma \cdot d_\gamma \cdot i_\gamma \quad (\text{Caso di Carico Inclinato})$$

Dove:

$\gamma_2$  = peso di volume dello strato di fondazione;

$\gamma_w$  = peso di volume falda

$h_w$  = quota falda rispetto al piano di posa della fondazione

$e$  = eccentricità del carico rispetto al baricentro della fondazione

$B'$  = larghezza efficace della fondazione  $B' = B - 2e$

$L'$  = lunghezza efficace della fondazione  $L' = L - 2e$ ;

$c$  = coesione efficace dello strato di fondazione;

$N_c, N_q, N_\gamma$  = fattori di capacità portante;

$s_c, s_q, s_\gamma$  = fattori di forma della fondazione;

$d_c, d_q, d_\gamma$  = fattori di profondità del piano di posa della fondazione.

$i_c, i_q, i_\gamma$  = fattori di inclinazione del carico;

Il termine  $\gamma_1 D$  corrisponde al valore della pressione efficace sul piano di appoggio della fondazione che, nel caso più generale di falda tra piano campagna e piano di posa fondazione, corrisponde a:

$$\gamma_1 h_w + \gamma_1 (D - h_w)$$

con la specifica che, in tal caso, alla formula trinomia va aggiunto l'ulteriore termine:

$$\gamma_w h_w$$

Allo stesso modo, per falda presente nel volume di terreno potenzialmente interessato dal meccanismo di rottura, il  $\gamma_2$  del terzo termine della trinomia corrisponde al peso di volume efficace del terreno di fondazione  $\gamma_2'$ .

Per la teoria di Meyerhof i coefficienti sopra definiti assumono le espressioni che seguono:

$$N_c = (N_q - 1) \cdot \text{ctg } \phi; \quad N_q = \text{tg}^2 \left( 45^\circ + \frac{\phi}{2} \right) \cdot e^{(\pi \cdot \text{tg } \phi)}; \quad N_\gamma = (N_q - 1) \cdot \text{tg} (1.4 \cdot \phi)$$

$$s_c = 1 + 0.2 \cdot Kp \cdot \frac{B}{L}; \quad s_q = 1 + 0.1 \cdot \text{tg}^2 \left( 45^\circ + \frac{\phi}{2} \right) \cdot \frac{B}{L}; \quad s_{\gamma q} = s_q$$

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

$$d_c = 1 + 0.2 \cdot \operatorname{tg}\left(45^\circ + \frac{\phi}{2}\right) \cdot \frac{D}{B_f}; \quad d_q = 1 + 0.1 \cdot \operatorname{tg}\left(45^\circ + \frac{\phi}{2}\right) \cdot \frac{D}{B_f}; \quad d_\gamma = d_q$$

$$i_c = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2; \quad i_q = i_c; \quad i_\gamma = \left(1 - \frac{\theta^\circ}{\phi^\circ}\right)^2$$

Nelle espressioni di cui sopra sono stati considerati i seguenti dati:

f= angolo di attrito dello strato di fondazione;

q= inclinazione della risultante sulla verticale;

D = profondità della fondazione.

\*\* nel caso di terreno eminentemente coesivo ( $\phi = 0$ ) si assume:  $s_q = 1$ ;  $s_\gamma = 1$ ;  $d_q = 1$ ;  $d_\gamma = 1$ ;  $i_\gamma = 0$

## 9 CODICE DI CALCOLO PER I POZZETTI

Il seguente paragrafo descrive i codici di calcolo automatico per il calcolo e la verifica delle strutture ed il modello agli elementi finiti utilizzato per la valutazione delle sollecitazioni.

La ricerca dei parametri di sollecitazione è fatta secondo le disposizioni di carico più gravose, avvalendosi di codici di calcolo automatico per l'analisi strutturale.

Tutti i codici di calcolo automatico utilizzati per il calcolo e la verifica delle strutture sono di sicura ed accertata validità e sono impiegati conformemente alle loro caratteristiche.

Per i calcoli e le modellazioni di cui alla presente relazione sono impiegati i codici di calcolo brevemente descritti di seguito.

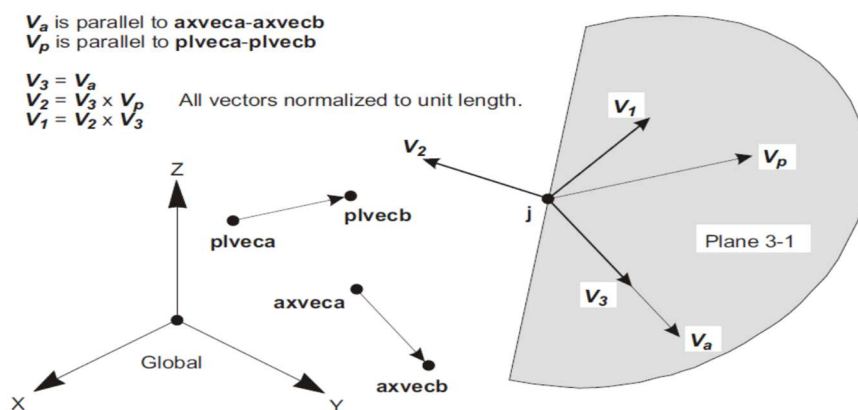
- SAP2000, prodotto dalla "CSI Computer and Structures Inc." – Berkeley (CA) – USA ;  
Codice di calcolo F.E.M. (Finite Element Method) capace di gestire il calcolo e le verifiche delle strutture miste acciaio-calcestruzzo durante tutte le fasi realizzative.

### 9.1 DESCRIZIONE DEL PROGRAMMA

Il programma è un solutore agli E.F. (Elementi Finiti) capace di modellare strutture di forma qualunque, comunque caricate e vincolate, nell'ambito del comportamento lineare e non.

Sono disponibili i seguenti tipi di oggetto elencati in ordine di dimensione geometrica:

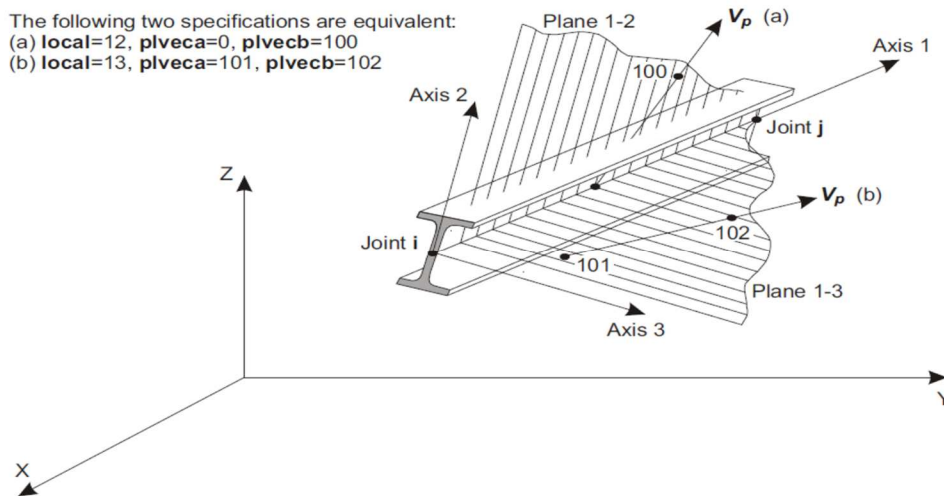
- "Point:
  - comune oggetti: sono automaticamente creati in angoli o estremità di tutti gli altri tipi di oggetti, e possono essere aggiunti in modo esplicito
  - collegamento a terra: sono utilizzate per modellare il comportamento di un sostegno speciale ad esempio isolatori, smorzatori, gap, molle multi-lineari
  - il sistema di riferimento per determinare l'orientamento di un elemento punto è:





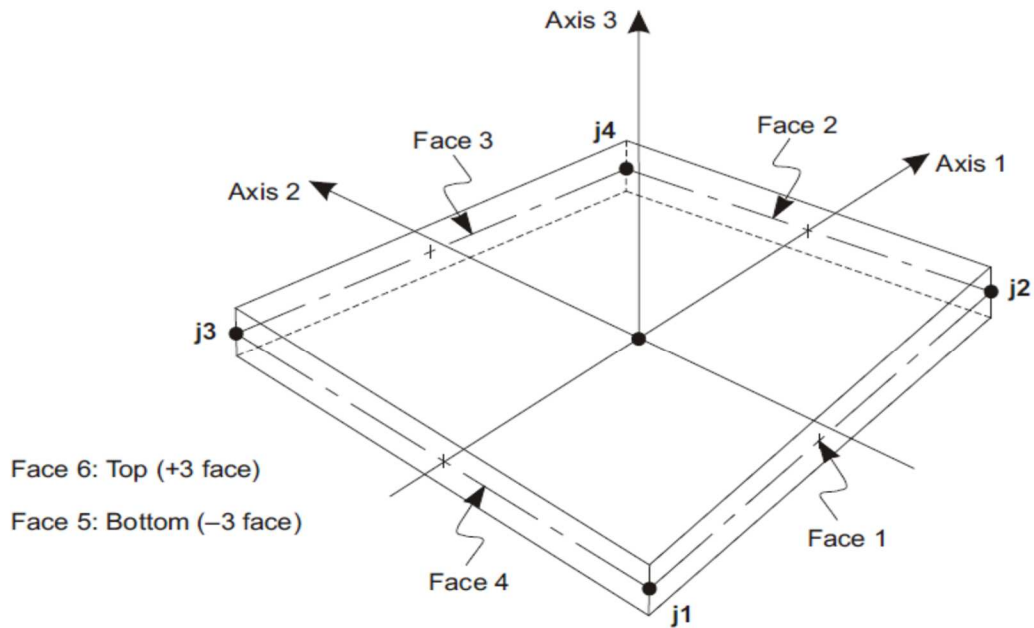
**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

- "Line":
  - frame/cable/tendon: sono utilizzate per modellare le travi, colonne, braces, trusses, cavi e tiranti
  - collegamento tra oggetti: sono utilizzate per modellare il comportamento di un membro speciali ad esempio isolatori, smorzatori, gap, molle multi-lineari. A differenza degli oggetti o frame/cable/tendon, questi oggetti possono avere lunghezza zero.
  - il sistema di riferimento per determinare l'orientamento di un elemento linea è:

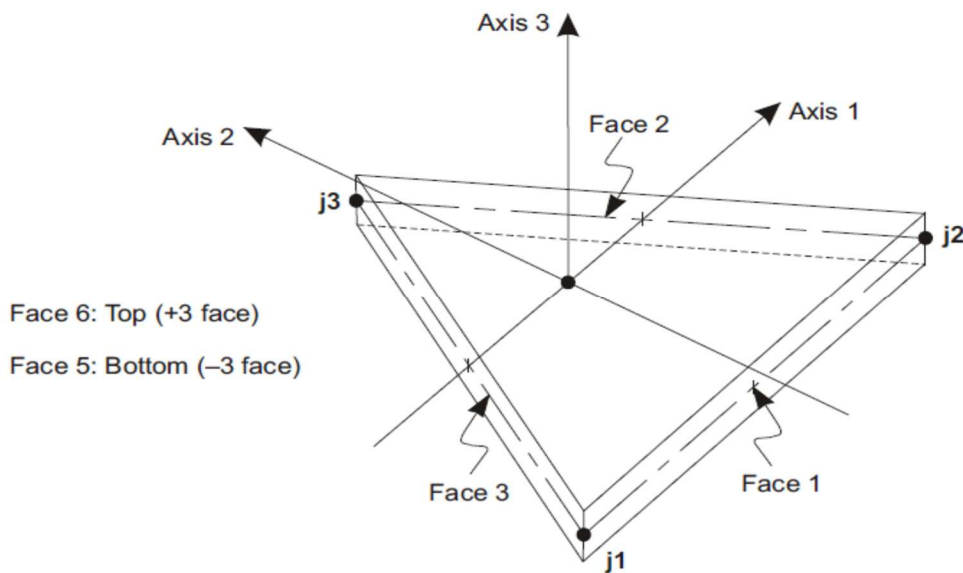


- "Area": vengono utilizzate per modellare le pareti, pavimenti e altri membri dotati di spessore, nonché solidi bidimensionale solids (plane stress, plane strain, and axisymmetric solids). Il sistema di riferimento per determinare l'orientamento di un elemento area è:

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**



Four-node Quadrilateral Shell Element



Three-node Triangular Shell Element

- **"Solid"**: sono utilizzate per la modellazione tridimensionale solida

Il programma SAP2000 permette di svolgere analisi atte a definire la risposta in conseguenza dell'applicazione di carichi mobili, analisi del dominio di frequenza (sia steady-state che power-spectral-density), del dominio del tempo e analisi di instabilità.

Mediante il programma si possono implementare nel modello di calcolo elementi a comportamento particolare quali:

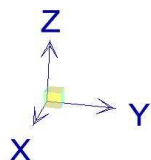
- non linear link element (gaps, hooks, isolators, dampers, and multi-linear plasticity)
- a multi-linear plastic hinge
- catenary cable element
- nonlinear shell element

Il programma SAP2000 permette inoltre di condurre analisi tipo non lineare statica , analisi tipo pushover e analisi non lineari tipo time-history mediante l'utilizzo di analisi modale o integrazione diretta. software contempla la presenza di elementi bidimensionali (piani - shell) in grado di rappresentare sia il comportamento di lastra (effetti flessionali) quanto quello di membrana (sforzi di compressione e trazione), ed elementi tipo trave (beam).

## 9.2 SISTEMI DI RIFERIMENTO

Il sistema di riferimento nei modelli di calcolo viene assunto con origine coincidente con lo spigolo sinistro basso della struttura schematizzata.

La disposizione degli assi segue la "regola della mano destra":



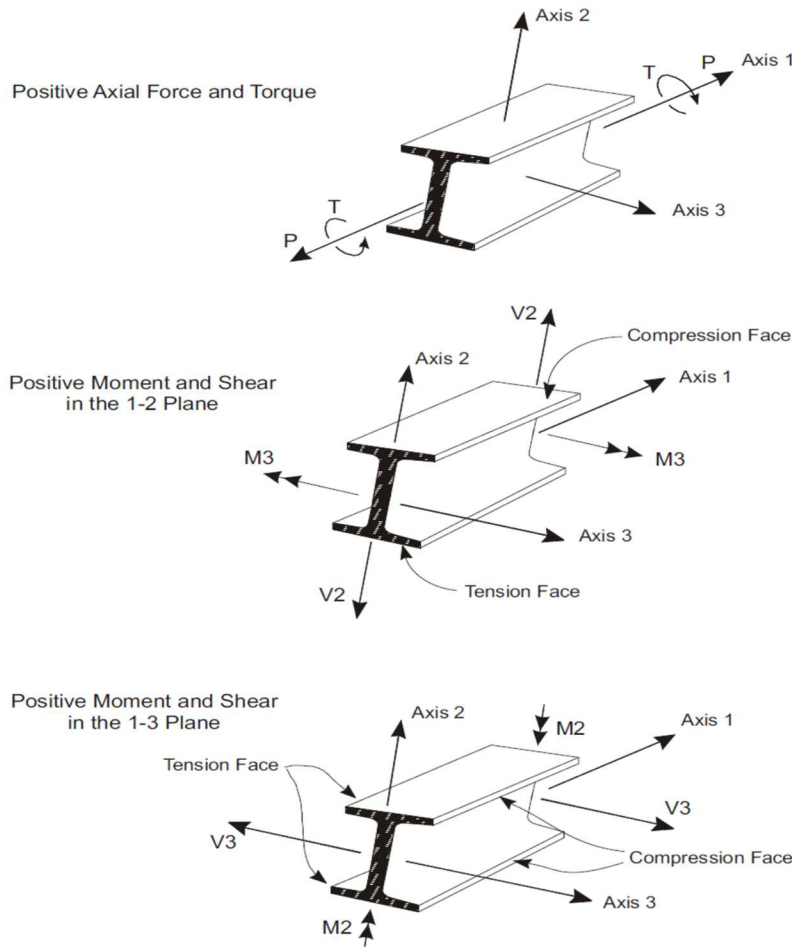
l'asse X è diretto secondo l'asse longitudinale della struttura;

l'asse Y è diretto secondo l'asse trasversale della struttura;

l'asse Z è diretto verso l'alto, positivo verso l'alto.

Si definiscono positive le azioni e sollecitazioni secondo la convenzione riportata nella figura successiva.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**



**9.3 AFFIDABILITÀ DEI CODICI DI CALCOLO**

Un attento esame preliminare della documentazione a corredo del software ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore del software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. La società produttrice Aztec Informatica srl ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

**9.4 MODALITÀ DI PRESENTAZIONE DEI RISULTATI**

La relazione di calcolo strutturale presenta i dati di calcolo tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità. La relazione di calcolo illustra in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare.

**9.5 INFORMAZIONI GENERALI SULL'ELABORAZIONE**

Il software prevede una serie di controlli automatici che consentono l'individuazione di errori di modellazione, di non rispetto di limitazioni geometriche e di armatura e di presenza di elementi non

verificati. Il codice di calcolo consente di visualizzare e controllare, sia in forma grafica che tabellare, i dati del modello strutturale, in modo da avere una visione consapevole del comportamento corretto del modello strutturale.

#### **9.6 GIUDIZIO MOTIVATO DI ACCETTABILITÀ DEI RISULTATI**

I risultati delle elaborazioni sono stati sottoposti a controlli dal sottoscritto utente del software. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. In base a quanto sopra, si asserisce che l'elaborazione è corretta ed idonea al caso specifico, pertanto i risultati di calcolo sono da ritenersi validi ed accettabili.

## **10 CODICE DI CALCOLO PER IL TOMBINO**

Nell'ambito del presente paragrafo si riporta una descrizione delle caratteristiche dei Software utilizzati per l'effettuazione delle Analisi e Verifiche strutturali e geotecniche esposte nel presente documento.

### **Denominazione ed Estremi di Licenza del Software**

Titolo SCAT - Analisi Strutture Scatolari  
Versione 11.0  
Produttore Aztec Informatica srl, Casole Bruzio (CS)  
Utente TECNOSTRUTTURE S.R.L.  
Licenza AIU3163LJ

#### **10.1 TIPO DI ANALISI SVOLTA**

L'analisi strutturale e le verifiche sono condotte con l'ausilio di un codice di calcolo automatico. La verifica della sicurezza degli elementi strutturali è stata valutata con i metodi della scienza delle costruzioni.

La struttura viene discretizzata in elementi tipo trave. Per simulare il comportamento del terreno di fondazione e di rinfianco vengono inserite delle molle alla Winkler non reagenti a trazione

L'analisi che viene effettuata è un'analisi al passo per tener conto delle molle che devono essere eliminate (molle in trazione). L'analisi fornisce i risultati in termini di spostamenti. Dagli spostamenti si risale alle sollecitazioni nodali ed alle pressioni sul terreno.

Il calcolo degli scatolari viene eseguito secondo le seguenti fasi:

- Calcolo delle pressioni in calotta (per gli scatolari ricoperti da terreno);
- Calcolo della spinta del terreno;
- Calcolo delle sollecitazioni sugli elementi strutturali (fondazione, piedritti e traverso);
- Progetto delle armature e relative verifiche dei materiali.

L'analisi strutturale sotto le azioni sismiche è condotta con il metodo dell'analisi statica equivalente

La verifica delle sezioni degli elementi strutturali è eseguita con il metodo degli Stati Limite. Le combinazioni di carico adottate sono esaustive relativamente agli scenari di carico più gravosi cui l'opera sarà soggetta.

#### **10.2 AFFIDABILITÀ DEI CODICI DI CALCOLO**

Un attento esame preliminare della documentazione a corredo dei software impiegati ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore dei software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. Le stesse società produttrici hanno verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati sono contenuti in apposita documentazione fornita a corredo dell'acquisto del prodotto, che per brevità espositiva si omette di allegare al presente documento.

### **10.3 GIUDIZIO MOTIVATO DI ACCETTABILITÀ DEI RISULTATI**

I risultati delle elaborazioni esposte nel documento sono stati inoltre sottoposti a controlli dal sottoscritto utente del software.

Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali, che per brevità espositiva si omette dall'allegare al presente documento.

Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

In base a quanto sopra, Il Progettista dichiara pertanto che l'elaborazione è corretta ed idonea al caso specifico, validando conseguentemente i risultati dei calcoli esposti nella presente

# POZZETTO TIPO 1



## 11 ANALISI DEI CARICHI

L'analisi viene condotta considerando una larghezza unitaria dell'opera.

### 11.1 PESI PROPRI

Il peso proprio dei permanenti (strutture in c.a.) è pari a:

$$\gamma = 25 \text{ kN/m}^3 \quad \text{Pesi propri della struttura}$$

### 11.2 AZIONE STATICA

#### 11.2.1 Spinta del terreno

Sulle pareti, in esercizio, viene presa in considerazione la spinta del terreno a riposo.

$$P_{\text{testa}} = Q_{\text{perm}} * K_0 + K_0 * \gamma * h_s = 0.00 \text{ kN/m}^2 \quad \text{Testa muro}$$

$$P_{\text{q.falda}} = P_{\text{testa}} + k_0 * \gamma * h_{\text{falda}} = 0.00 + 0.625 * 19 * 2 = 23.75 \text{ kN/m}^2 \quad \text{Quota falda (H=2.00 m)}$$

$$P_{\text{piede}} = P_{\text{q.falda}} + K_0 * (\gamma_{\text{sat}} - \gamma_w) * (h_s - h_{\text{falda}}) + \gamma_w * (h_s - h_{\text{falda}}) = 23.75 + 0.625 * (20 - 10) * (7.55 - 2) + 10 * (7.55 - 2) = 90.19 \text{ kN/m}^2$$

Asse fondazione

Dove:

$$\gamma = 19 \text{ kN/m}^3$$

$$\gamma_{\text{sat}} = 20 \text{ kN/m}^3$$

$$k_0 = 1 - \sin \phi' = 0.625, \text{ con } \phi' = 22^\circ$$

$$h_s = 7.55 \text{ m}$$

$$h_{\text{falda}} = 2.00 \text{ m}$$

#### 11.2.2 Spinta dell'accidentale a tergo del muro

Sulle pareti, in esercizio, viene presa in considerazione di un sovraccarico dovuto ai mezzi di lavoro pari a  $10 \text{ kN/m}^2$ .

$$P_q = Q_{\text{sov}} * K_0 = 10 * 0.625 = 6.25 \text{ kN/m}^2$$

### 11.3 AZIONE SISMICA

#### 11.3.1 Incremento di spinta del terreno

La valutazione della spinta del terreno in zona sismica, secondo quanto prevede il D.M 17 gennaio 2018 "Norme tecniche per le Costruzioni" al § 3.2.3 e al § 7.11.6.2.1, è stata eseguita utilizzando metodi *pseudo-statici*. L'utilizzo di metodi pseudo-statici consente di ricondurre l'azione sismica, che è un'azione dinamica variabile nel tempo e nello spazio, ad un insieme di forze statiche equivalenti, orizzontali e verticali, mediante l'utilizzo di coefficienti sismici, che dipendono dalla zona sismica, dalle condizioni locali e

dall'entità degli spostamenti ammessi per l'opera considerata. I coefficienti sismici, orizzontale e verticale, sono rispettivamente:

$$k_h = \beta m \frac{a_{\max}}{g} = 1 * 0.363 = 0.363 \quad \text{coefficiente sismico orizzontale con } \beta m = 1$$

$$k_v = \pm 0.5 * k_h \quad \text{coefficiente sismico verticale}$$

Le spinte delle terre, considerando l'opera una struttura rigida e priva di spostamenti (par. 7.11.6.2.1 D.M. 17.01.18), sono calcolate in regime di spinta a riposo che comporta il calcolo delle spinte sismiche in tali condizioni. Per il calcolo dell'incremento di spinta sismica si è seguita la formulazione di WOOD:

$$\Delta S = \frac{a_g}{g} \cdot S \cdot \gamma \cdot h_s = 0.363 * 19 * 7.55 = 52.07 \text{ kN/m}^2 \quad \text{incremento di spinta uniformem. distribuito sul ritto}$$

### **11.3.2 Forze di inerzia**

L'azione sismica è rappresentata da un insieme di forze statiche orizzontali e verticali, date dal prodotto delle forze di gravità per i coefficienti sismici in precedenza definiti. Visto il modello di calcolo a piastra verticale, la componente sismica verticale perde di significato pertanto viene trascurata.

Oltre a questo incremento di spinta bisogna tenere conto delle forze orizzontali d'inerzia  $F_i$  delle masse strutturali, includendo in esse anche la massa del terreno stabilizzante a tergo del paramento:

$$F_i = k_h W \quad \text{con } k_h \text{ sopra definito.}$$

Queste forze vengono calcolate in automatico dal codice di calcolo introducendo dei moltiplicatori gravitazionali di valore pari a  $K_h$ .

#### 11.4 COMBINAZIONI DI CARICO

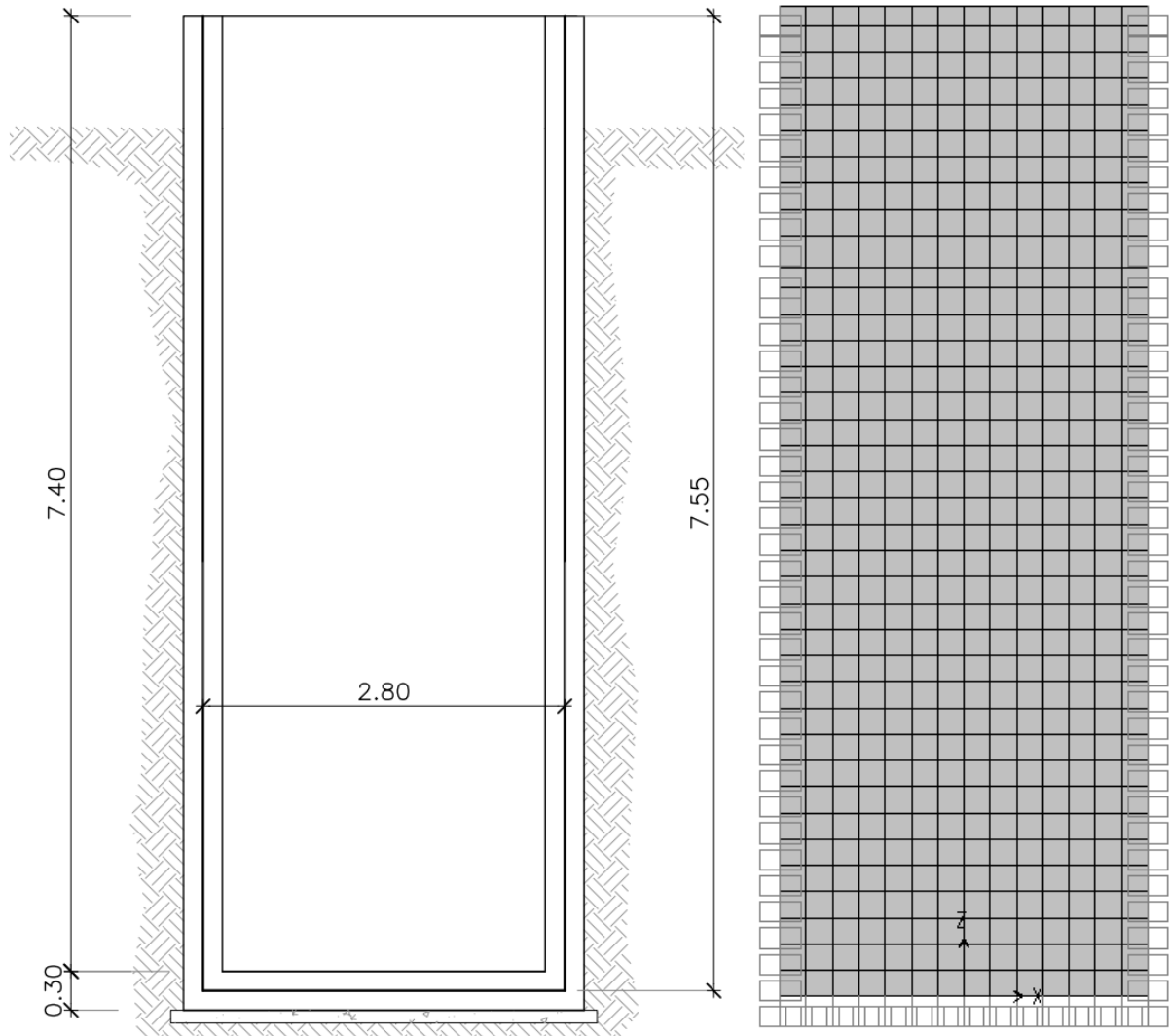
Di seguito vengono riportate le combinazioni di carico elementari e i coefficienti relativi a tali combinazioni.

<b>TABLE: Combination Definitions</b>				
<b>ComboName</b>	<b>ComboType</b>	<b>CaseType</b>	<b>CaseName</b>	<b>ScaleFactor</b>
Text	Text	Text	Text	Unitless
SLU-STATICA	Linear Add	Linear Static	LOAD	1.3
SLU-STATICA		Linear Static	STATICA	1.3
SLU-STATICA		Linear Static	SOVRAC	1.5
SLU-SISMICA	Linear Add	Linear Static	LOAD	1
SLU-SISMICA		Linear Static	STATICA	1
SLU-SISMICA		Linear Static	SISMICA	1
SLU-SISMICA		Linear Static	SOVRAC SISMICO	1
SLE-RARA	Linear Add	Linear Static	LOAD	1
SLE-RARA		Linear Static	STATICA	1
SLE-RARA		Linear Static	SOVRAC	1
SLE-FREQ.	Linear Add	Linear Static	LOAD	1
SLE-FREQ.		Linear Static	STATICA	1
SLE-FREQ.		Linear Static	SOVRAC	0.75
SLE-QP	Linear Add	Linear Static	LOAD	1
SLE-QP		Linear Static	STATICA	1

## 12 RISULTATI, ANALISI E VERIFICHE

### 12.1 MODELLO DI CALCOLO

In relazione a quanto anticipato in premessa, è stato individuato per la tipologia di pozzetto 1 il seguente schema di calcolo:



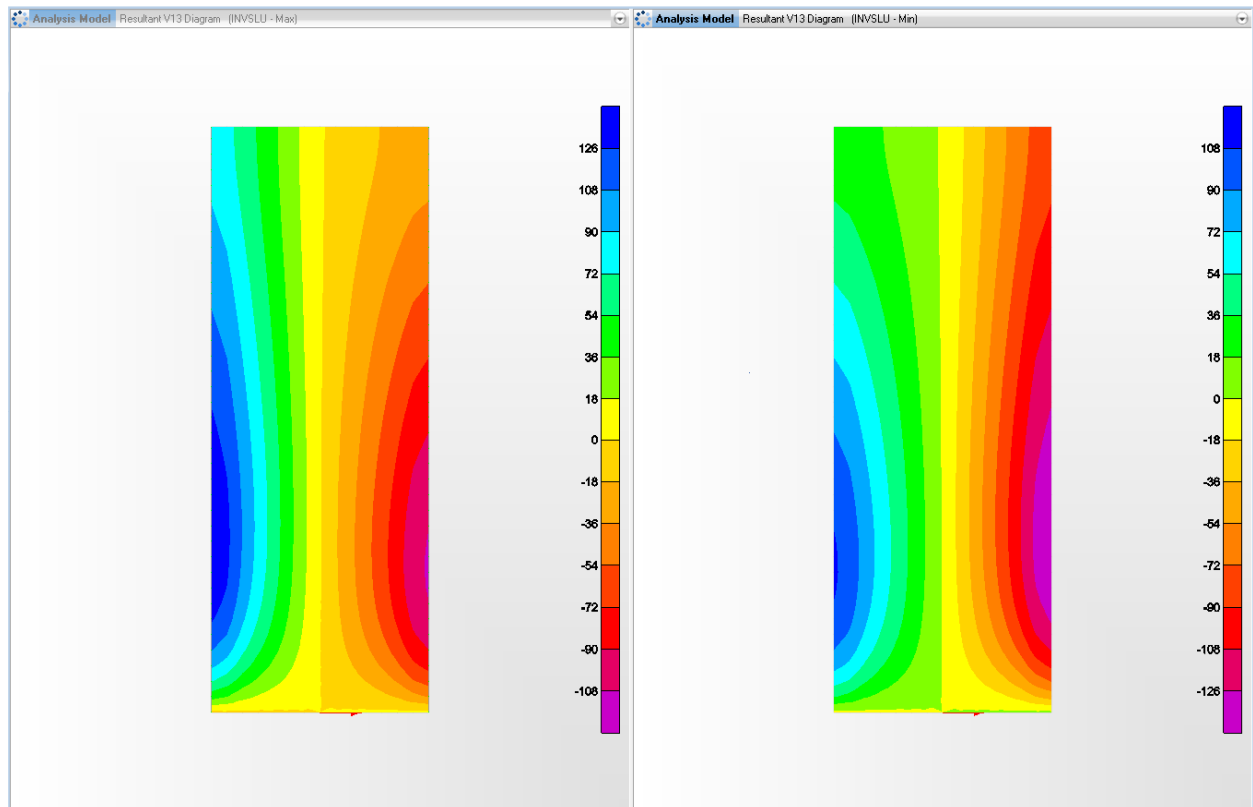
Parete incastrata in asse fondazione, in asse pareti laterali e libera in testa.

Lo schema statico adottato prevede elementi "shell" di dimensioni max 20x20 cm e spessore pari a 30 cm incastrati ai lati e in fondazione.

## 12.2 SOLLECITAZIONI DI CALCOLO

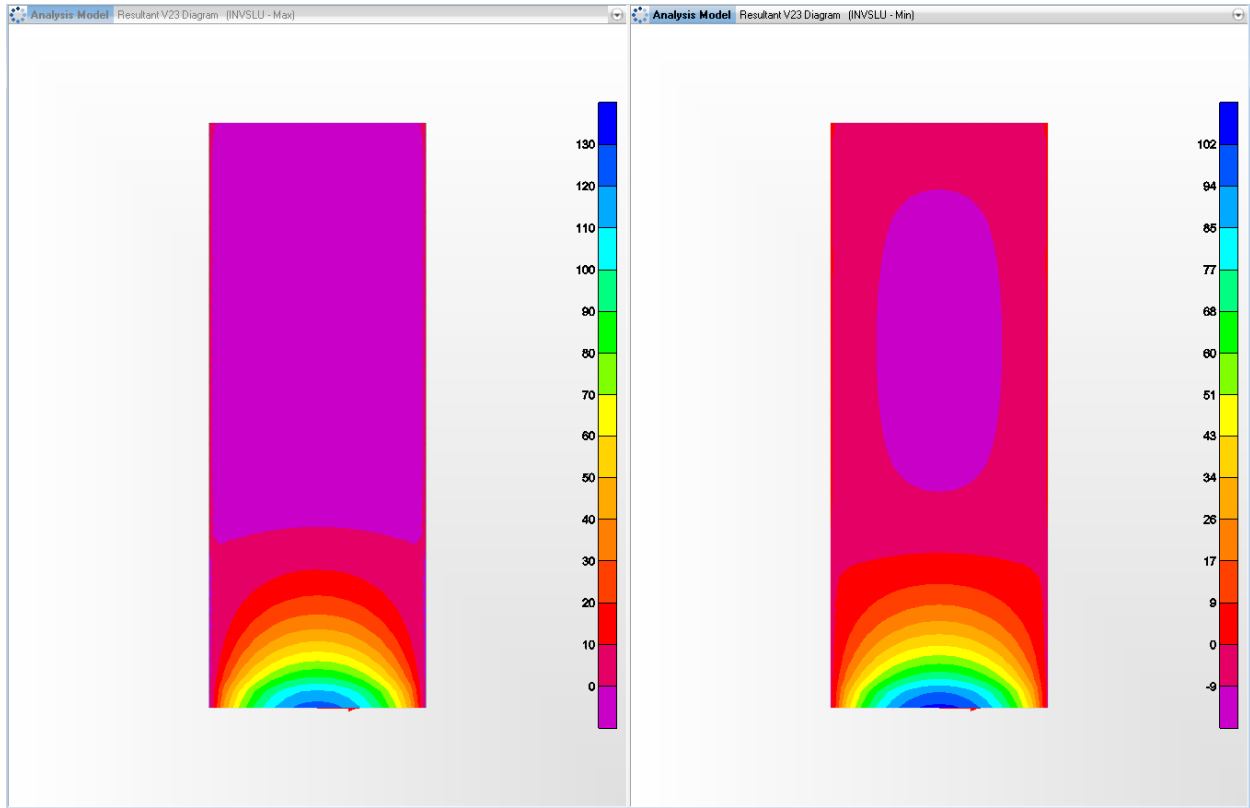
### 12.2.1 Stato limite ultimo

Di seguito vengono riportate l'andamento delle sollecitazioni interne per l'involuppo delle combinazioni di carico considerate.

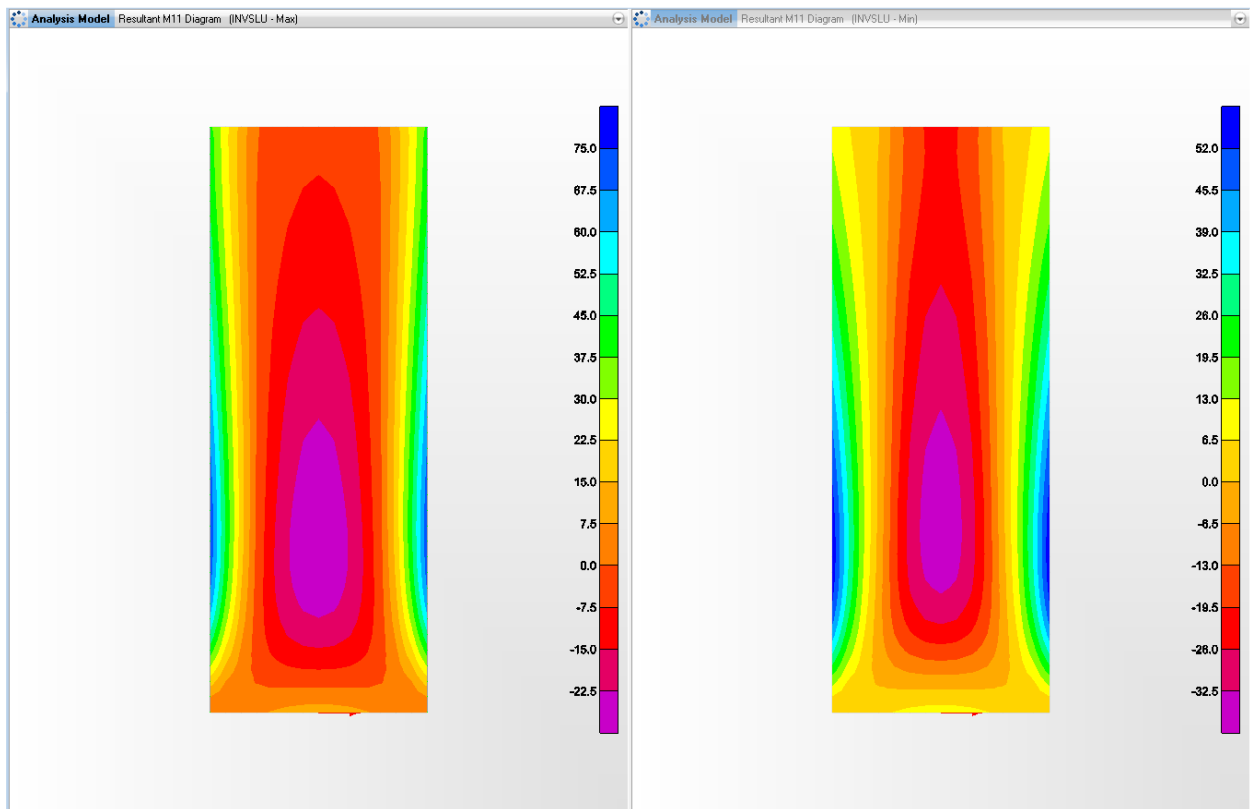


Involuppo SLU: Taglio V13 (max a sx e min a dx)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

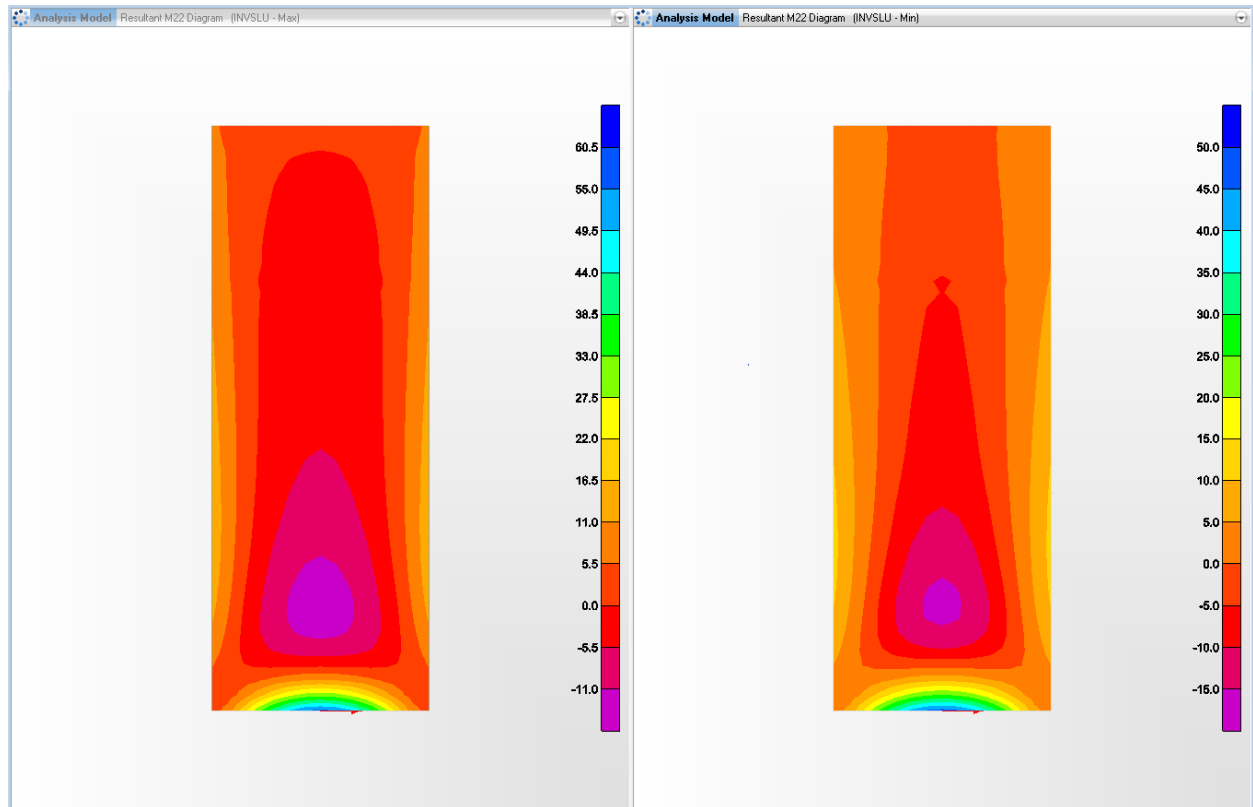


Inviluppo SLU: Taglio V23 (max a sx e min a dx)



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Inviluppo SLU: Momento flettente M11 (max a sx e min a dx)



Inviluppo SLU: Momento flettente M22 (max a sx e min a dx)

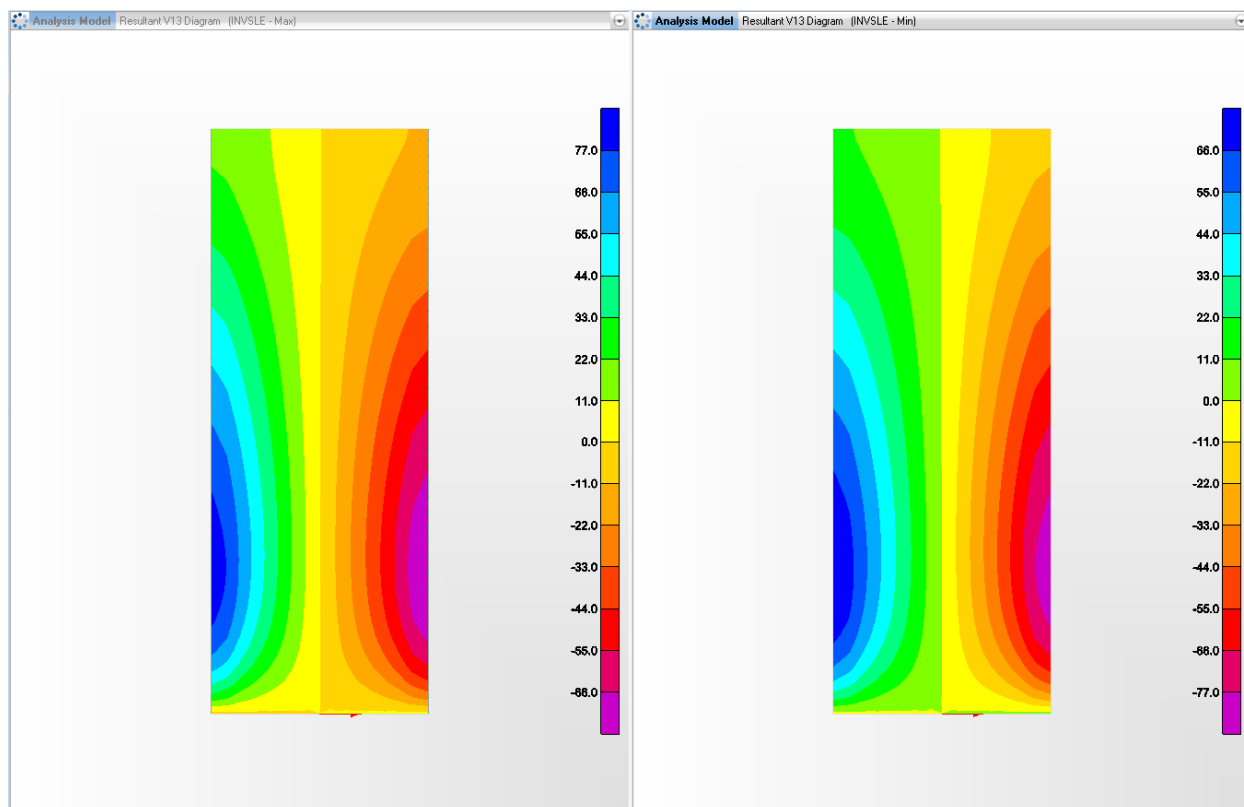
I valori massimi di taglio e momento per ogni combinazione di carico considerata vengono riportati in tabella.

SLU	M11 (kNm)	M22 (kNm)	V13 (kN)	V23 (kN)
COMB. STATICA	61.92	50.32	120.72	120.03
COMB. SISMICA	<b>74.19</b>	57.02	<b>144.20</b>	127.30

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**12.2.2 Stato limite di esercizio**

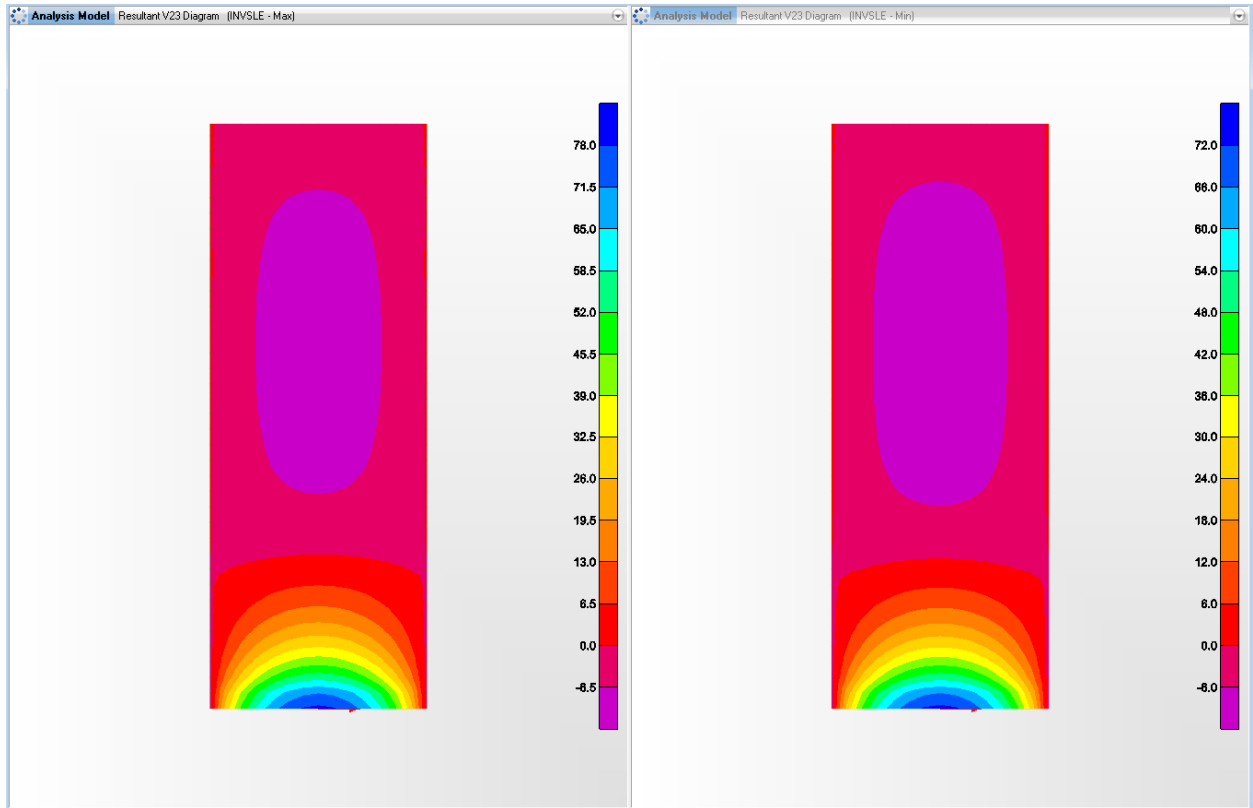
Di seguito vengono riportate l'andamento delle sollecitazioni interne per l'involuppo delle combinazioni di carico considerate.



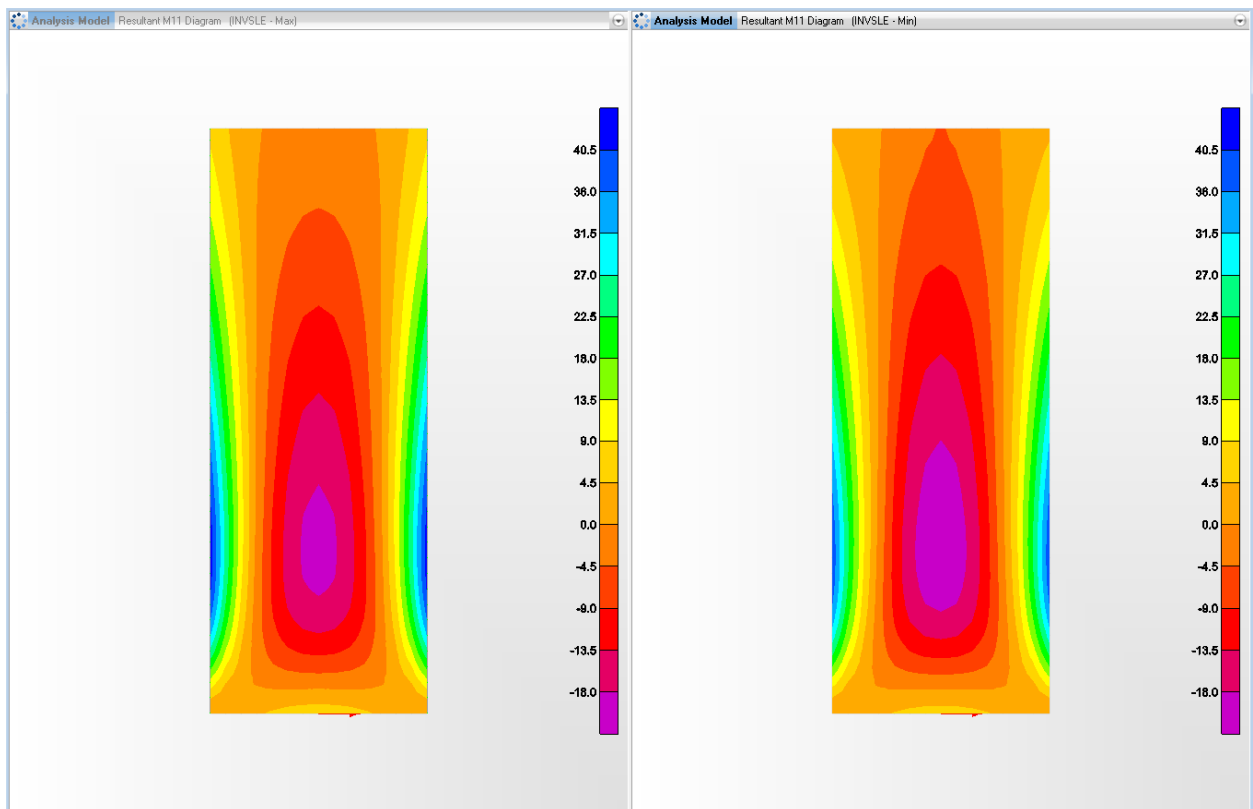
Involuppo SLE: Taglio V13 (max a sx e min a dx)



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

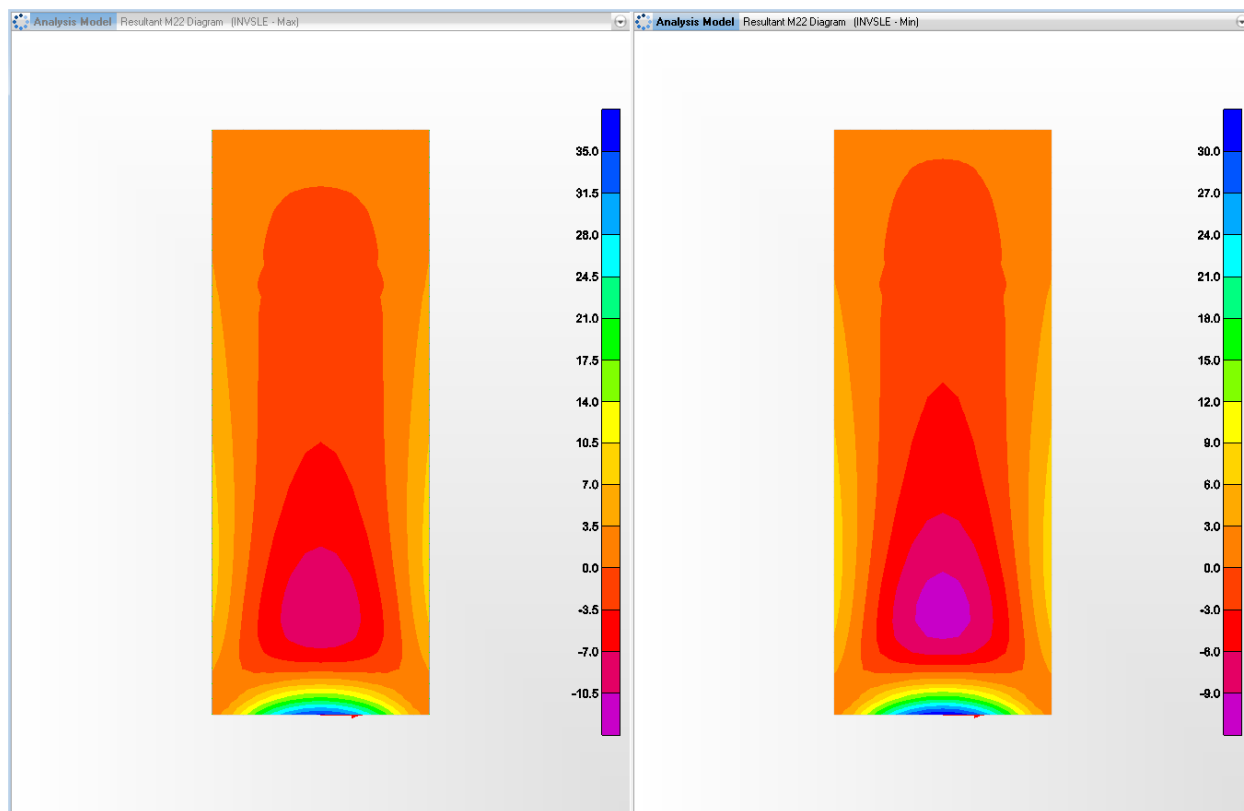


Inviluppo SLE: Taglio V23 (max a sx e min a dx)



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Inviluppo SLE: Momento flettente M11 (max a sx e min a dx)**



**Inviluppo SLE: Momento flettente M22 (max a sx e min a dx)**

I valori massimi di taglio e momento per ogni combinazione di carico considerata vengono riportati in tabella.

SLE	M11 (kNm)	M22 (kNm)	V13 (kN)	V23 (kN)
COMB. RARA	<b>46.45</b>	37.89	<b>90.59</b>	85.14
COMB. FREQUENTE	44.57	36.55	86.97	82.19
COMB. QUASI PERM.	38.92	32.55	76.12	73.37

**12.3 ARMATURE DI PROGETTO**

Di seguito si riassumono le caratteristiche geometriche (Larghezza della sezione B e altezza della sezione H) e le armature assunte per il dimensionamento dei principali elementi strutturali (numero, diametro e posizione delle barre previste per l'elemento di lunghezza unitaria).

Dato che le sollecitazioni nelle due direzioni hanno lo stesso ordine di grandezza, le verifiche vengono condotte con le sole sollecitazioni massime, disponendo la stessa armatura longitudinale e trasversale.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Larghezza	<b>b</b>	100 cm
Altezza	<b>h</b>	30 cm
Armatura tesa 1° strato	<b>A<sub>a</sub></b>	1Φ14/12.5 = 12.32 cm <sup>2</sup>
Copriferro 1°strato	<b>c<sub>1</sub></b>	6.1 cm
Armatura Compressa	<b>A'<sub>a</sub></b>	1Φ12/25 = 4.52 cm <sup>2</sup>
Copriferro armatura compressa	<b>c'</b>	5.8 cm

*Caratteristiche geometriche della sezione*

Le sollecitazioni per l'acciaio sono state ottenute trascurando, a favore di sicurezza, le azioni normali di compressione.

#### 12.4 RISULTATI VERIFICHE (STR)

Di seguito vengono riportati i risultati delle verifiche strutturali, nelle sezioni di calcolo riportate nello schema delle armature per ogni sezione di calcolo, in forma tabellare esplicitate nell'allegato:

Le verifiche strutturali saranno condotte secondo DM 17 gennaio 2018 utilizzando i coefficienti parziali riportati nelle tabella precedente per le azioni.

##### 12.4.1 Verifiche allo SLU

Nel seguente paragrafo si riportano le verifiche a pressoflessione e a taglio.

###### 12.4.1.1 Verifica a flessione

Si mostrano, nelle seguenti tabelle, le verifiche SLU nei confronti della flessione. Si riportano per semplicità le verifiche più gravose per la struttura.

Inviluppo SLU

N.Sez	B [cm]	H [cm]	M [kNm]	M <sub>RD</sub> [kNm]	F <sub>s,momento</sub>	Verifica
<b>1</b>	100	30	74.19	128.90	1.74	<b>SI</b>

La verifica risulta soddisfatta.

###### 12.4.1.2 Verifica a taglio

I risultati ottenuti dalle verifiche delle sezioni maggiormente sollecitate (a filo pareti) per la struttura in esame sono riepilogati nella seguente tabella.

Inviluppo SLU

N.Sez	B [cm]	H [cm]	V <sub>Ed</sub> [kN]	V <sub>RSd</sub> * [kN]	V <sub>Rcd</sub> [kN]	F <sub>s,taglio</sub>	Verifica
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	100	30	144.20	178.28	-	1.24	SI
---	-----	----	--------	--------	---	------	----

\* la resistenza a taglio  $V_{Rsd}$  è stata calcolata utilizzando il traliccio ad inclinazione variabile secondo quanto riportato nelle NTC08.

In tutte le sezioni la resistenza a taglio è garantita dal solo calcestruzzo.

#### 12.4.2 Verifiche allo SLE

Nel seguente paragrafo si riportano le verifiche allo stato limite di apertura delle fessure e le verifiche delle tensioni per il calcestruzzo e per l'acciaio di armatura.

##### 12.4.2.1 Verifica delle tensioni

Nelle tabelle seguenti sono riportati i risultati delle verifiche allo SLE dei limiti tensionali di lavoro nel calcestruzzo e nelle barre di armatura.

La verifica fornisce i seguenti risultati:

##### Combinazione SLE rara

N. Sez.	B [cm]	H [cm]	$M_{ed}$ [kNm]	$\sigma_c$ [Mpa] $\sigma_c < 0.6 \cdot f_{ck}$	$\sigma_f$ [Mpa] $\sigma_f < 0.8 \cdot f_{yk}$	Verifica
1	100	30	46.45	18.26	337.50	SI

Nello specifico si verifica che le tensioni nei materiali si mantengano nei seguenti limiti:

C32/40  $\sigma_c \leq 0.60 f_{ck} = 0.60 \cdot 32 = 19.20 \text{ N/mm}^2$

B450C  $\sigma_f \leq 0.80 f_{yk} = 360 \text{ N/mm}^2$

##### Combinazione SLE quasi permanente

N. Sez.	B [cm]	H [cm]	$M_{ed}$ [kNm]	$\sigma_c$ [Mpa] $\sigma_c < 0.45 \cdot f_{ck}$	$\sigma_f$ [Mpa] $\sigma_f < 0.8 \cdot f_{yk}$	Verifica
1	100	30	38.92	4.53		SI

Nello specifico si verifica che le tensioni nei materiali si mantengano nei seguenti limiti:

C32/40  $\sigma_c \leq 0.45 f_{ck} = 0.60 \cdot 32 = 14.94 \text{ N/mm}^2$

B450C  $\sigma_f \leq 0.80 f_{yk} = 360 \text{ N/mm}^2$

Tali tensioni risultano sempre al di sotto dei limiti indicati dalla normativa, pertanto, le verifiche si possono ritenere soddisfatte. Vengono riportate le verifiche più gravose.

#### 12.4.2.2 Verifica a fessurazione

Per la verifica a fessurazione si considerano le sollecitazioni relative alla Combinazione Frequente e Quasi Permanente.

I relativi valori di ampiezza delle fessure ricavati per la combinazione Frequente e Quasi Permanente sono riportati in Tabella:

##### Combinazione SLE frequente

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	w <sub>k</sub> [mm] w <sub>k</sub> < 0.3	Verifica
<b>1</b>	100	30	44.57	0.173	<b>SI</b>

##### Combinazione SLE quasi permanente

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	w <sub>k</sub> [mm] w <sub>k</sub> < 0.2	Verifica
<b>1</b>	100	30	44.57	0.151	<b>SI</b>

L'ampiezza delle fessure è sempre al di sotto dei limiti previsti da normativa, pertanto, le verifiche si possono ritenere soddisfatte.

# POZZETTO TIPO 2

## 13 ANALISI DEI CARICHI

L'analisi viene condotta considerando una larghezza unitaria dell'opera.

### 13.1 PESI PROPRI

Il peso proprio dei permanenti (strutture in c.a.) è pari a:

$$\gamma = 25 \text{ kN/m}^3 \quad \text{Pesi propri della struttura}$$

### 13.2 AZIONE STATICA

#### 13.2.1 Spinta del terreno

Sulle pareti, in esercizio, viene presa in considerazione la spinta del terreno a riposo.

$$P_{\text{testa}} = Q_{\text{perm}} * K_0 + K_0 * \gamma * h_s = 0.00 \text{ kN/m}^2 \quad \text{Testa muro}$$

$$P_{\text{q.falda}} = P_{\text{testa}} + k_0 * \gamma * h_{\text{falda}} = 0.00 + 0.625 * 19 * 2 = 23.75 \text{ kN/m}^2 \quad \text{Quota falda (H=2.00 m)}$$

$$P_{\text{piede,sx}} = P_{\text{q.falda}} + K_0 * (\gamma_{\text{sat}} - \gamma_w) * (h_s - h_{\text{falda}}) + \gamma_w * (h_s - h_{\text{falda}}) = 23.75 + 0.625 * (20 - 10) * (5.55 - 2) + 10 * (5.55 - 2) = 81.44 \text{ kN/m}^2 \quad \text{Asse fondazione spigolo sx}$$

$$P_{\text{piede,dx}} = P_{\text{q.falda}} + K_0 * (\gamma_{\text{sat}} - \gamma_w) * (h_s - h_{\text{falda}}) + \gamma_w * (h_s - h_{\text{falda}}) = 0.00 + 0.625 * (20 - 10) * 1.35 + 10 * 1.35 = 21.94 \text{ kN/m}^2 \quad \text{Asse fondazione spigolo dx}$$

Dove:

$$\gamma = 19 \text{ kN/m}^3$$

$$\gamma_{\text{sat}} = 20 \text{ kN/m}^3$$

$$k_0 = 1 - \sin \phi' = 0.625, \text{ con } \phi' = 22^\circ$$

$$h_s = 5.55 \text{ m}$$

$$h_{\text{falda}} = 2.00 \text{ m}$$

#### 13.2.2 Spinta dell'accidentale a tergo del muro

Sulle pareti, in esercizio, viene presa in considerazione di un sovraccarico dovuto ai mezzi di lavoro pari a 10 kN/m<sup>2</sup>.

$$P_q = Q_{\text{sov}} * K_0 = 10 * 0.625 = 6.25 \text{ kN/m}^2$$

### 13.3 AZIONE SISMICA

#### 13.3.1 Incremento di spinta del terreno

La valutazione della spinta del terreno in zona sismica, secondo quanto prevede il D.M 17 gennaio 2018 "Norme tecniche per le Costruzioni" al § 3.2.3 e al § 7.11.6.2.1, è stata eseguita utilizzando metodi *pseudo-statici*. L'utilizzo di metodi pseudo-statici consente di ricondurre l'azione sismica, che è un'azione dinamica variabile nel tempo e nello spazio, ad un insieme di forze statiche equivalenti, orizzontali e verticali,

mediante l'utilizzo di coefficienti sismici, che dipendono dalla zona sismica, dalle condizioni locali e dall'entità degli spostamenti ammessi per l'opera considerata. I coefficienti sismici, orizzontale e verticale, sono rispettivamente:

$$k_h = \beta m \frac{a_{\max}}{g} = 1 * 0.363 = 0.363 \quad \text{coefficiente sismico orizzontale con } \beta m = 1$$

$$k_v = \pm 0.5 * k_h \quad \text{coefficiente sismico verticale}$$

Le spinte delle terre, considerando l'opera una struttura rigida e priva di spostamenti (par. 7.11.6.2.1 D.M. 11.01.18), sono calcolate in regime di spinta a riposo che comporta il calcolo delle spinte sismiche in tali condizioni. Per il calcolo dell'incremento di spinta sismica si è seguita la formulazione di WOOD:

$$\Delta S = \frac{a_g}{g} \cdot S \cdot \gamma \cdot \frac{(h_{\max} + h_{\min})}{2} = 0.363 * 19 * \frac{5.55 + 1.35}{2} = 23.79 \text{ kN/ m}^2 \quad \text{incremento di spinta}$$

uniformemente distribuito sul ritto

### 13.3.2 Forze di inerzia

L'azione sismica è rappresentata da un insieme di forze statiche orizzontali e verticali, date dal prodotto delle forze di gravità per i coefficienti sismici in precedenza definiti. Visto il modello di calcolo a piastra verticale, la componente sismica verticale perde di significato pertanto viene trascurata.

Oltre a questo incremento di spinta bisogna tenere conto delle forze orizzontali d'inerzia  $F_i$  delle masse strutturali, includendo in esse anche la massa del terreno stabilizzante a tergo del paramento:

$$F_i = k_h W \quad \text{con } k_h \text{ sopra definito.}$$

Queste forze vengono calcolate in automatico dal codice di calcolo introducendo dei moltiplicatori gravitazionali di valore pari a  $K_h$ .



### 13.4 COMBINAZIONI DI CARICO

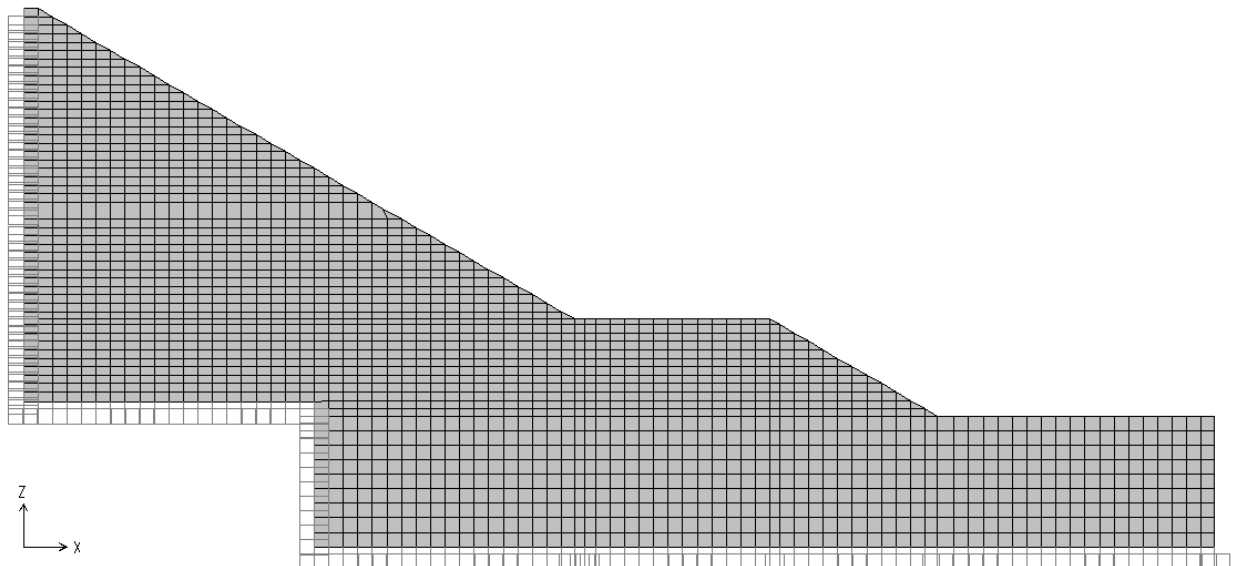
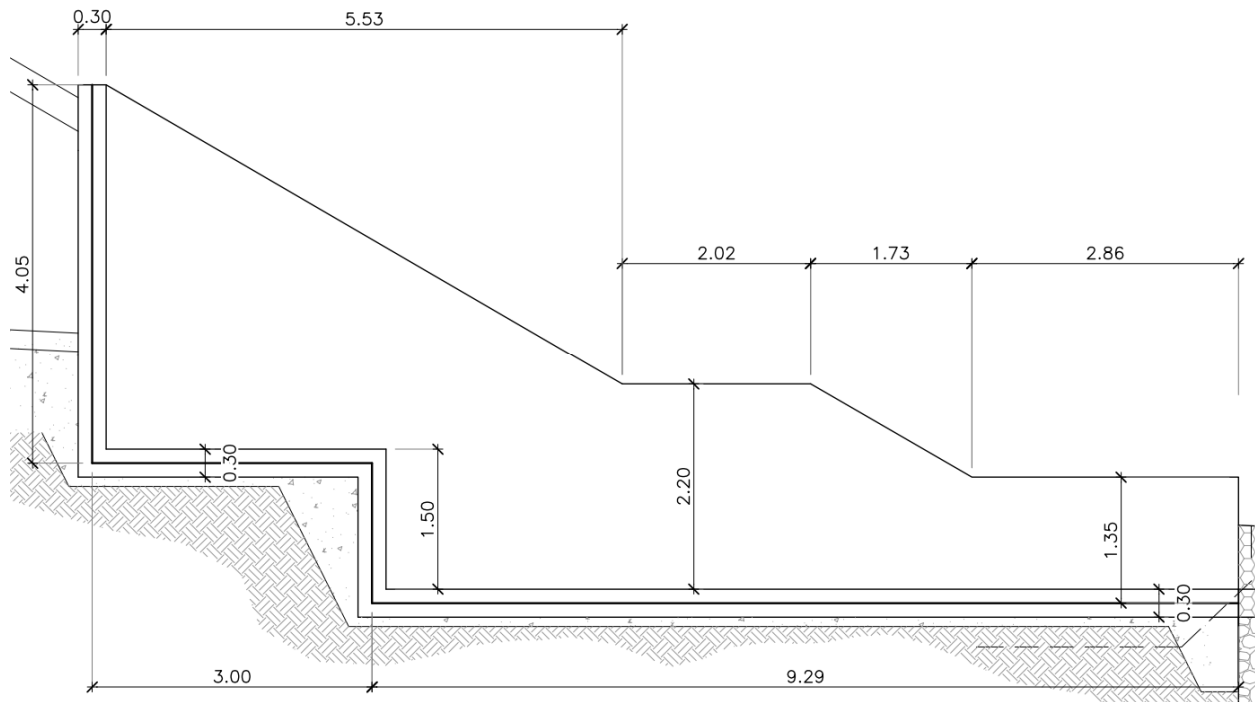
Di seguito vengono riportate le combinazioni di carico elementari e i coefficienti relativi a tali combinazioni.

<b>TABLE: Combination Definitions</b>				
<b>ComboName</b>	<b>ComboType</b>	<b>CaseType</b>	<b>CaseName</b>	<b>ScaleFactor</b>
Text	Text	Text	Text	Unitless
SLU-STATICA	Linear Add	Linear Static	LOAD	1.3
SLU-STATICA		Linear Static	STATICA	1.3
SLU-STATICA		Linear Static	SOVRAC	1.5
SLU-SISMICA	Linear Add	Linear Static	LOAD	1
SLU-SISMICA		Linear Static	STATICA	1
SLU-SISMICA		Linear Static	SISMICA	1
SLU-SISMICA		Linear Static	SOVRAC SISMICO	1
SLE-RARA	Linear Add	Linear Static	LOAD	1
SLE-RARA		Linear Static	STATICA	1
SLE-RARA		Linear Static	SOVRAC	1
SLE-FREQ.	Linear Add	Linear Static	LOAD	1
SLE-FREQ.		Linear Static	STATICA	1
SLE-FREQ.		Linear Static	SOVRAC	0.75
SLE-QP	Linear Add	Linear Static	LOAD	1
SLE-QP		Linear Static	STATICA	1

## 14 RISULTATI, ANALISI E VERIFICHE

### 14.1 MODELLO DI CALCOLO

In relazione a quanto anticipato in premessa, è stato individuato per la tipologia di pozzetto 2 il seguente schema di calcolo:



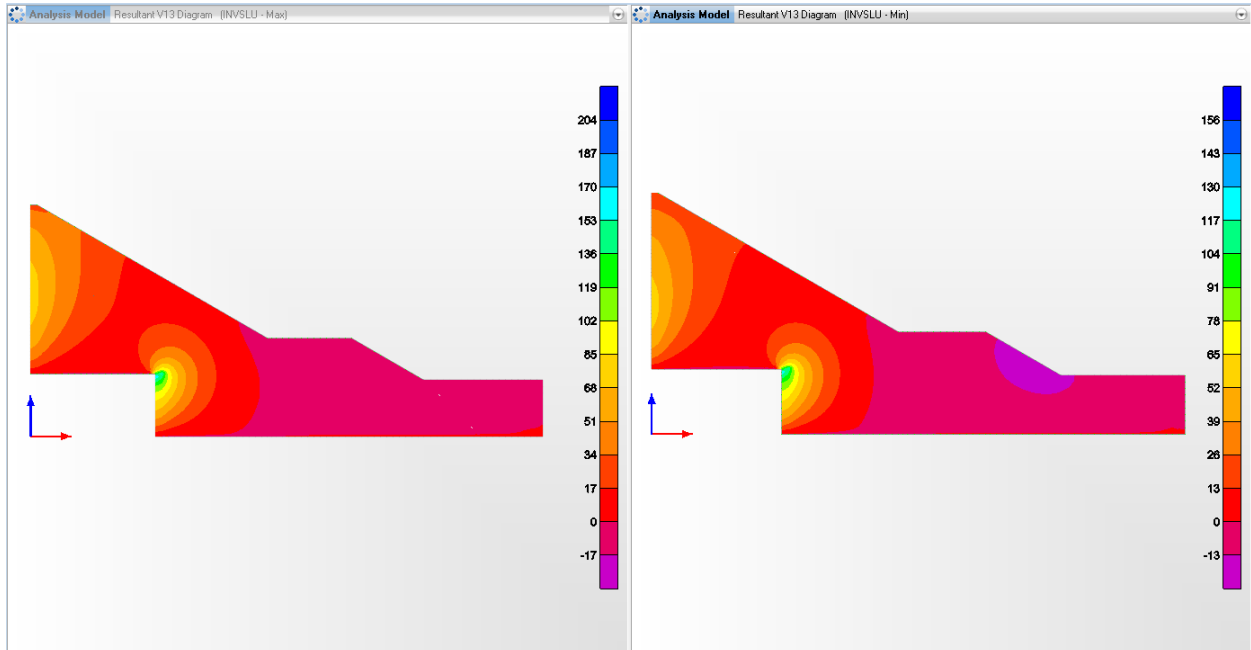
**Parete incastrata in asse fondazione, in asse di una parete laterale e libera in testa sui restanti lati.**

Lo schema statico adottato prevede elementi "shell" di dimensioni max 20x20 cm e spessore pari a 30 cm incastrati su due lati e in fondazione.

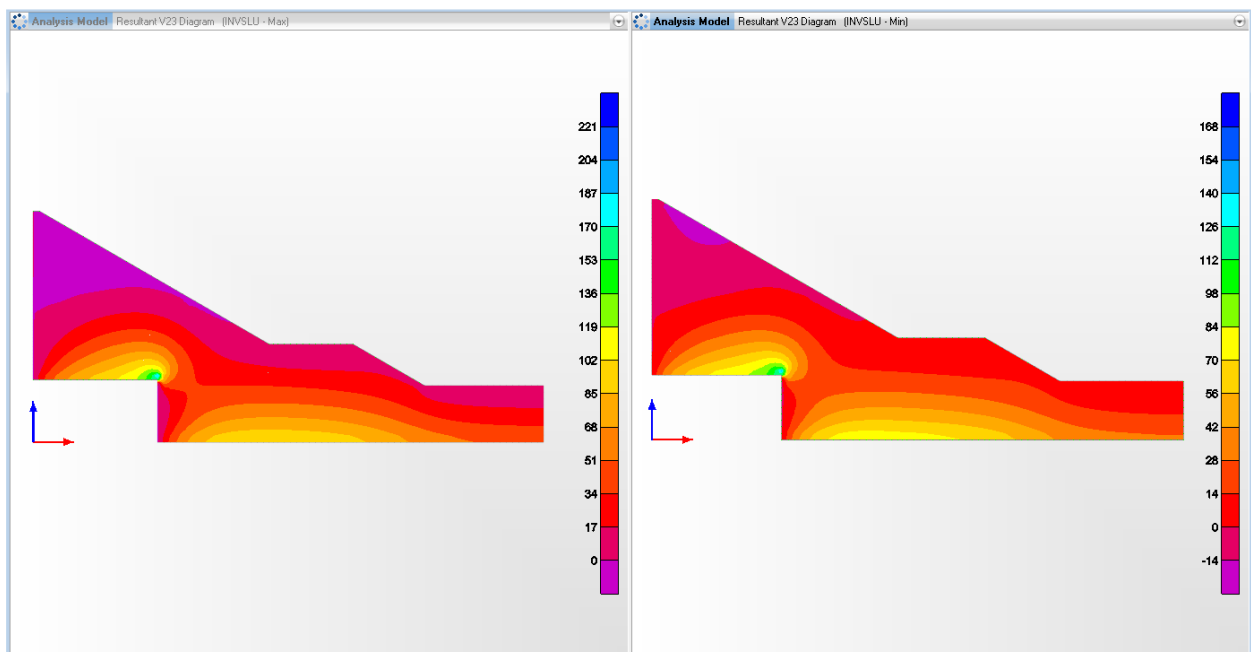
## 14.2 SOLLECITAZIONI DI CALCOLO

### 14.2.1 Stato limite ultimo

Di seguito vengono riportate l'andamento delle sollecitazioni interne per l'involuppo delle combinazioni di carico considerate.

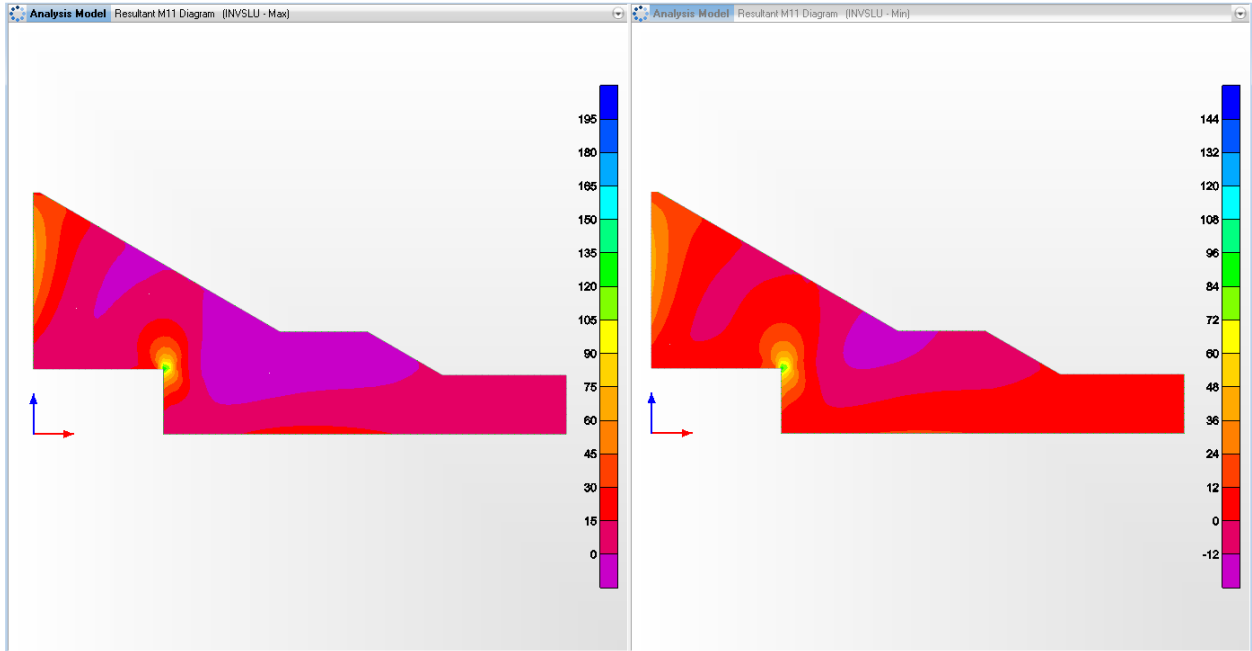


Involuppo SLU: Taglio V13 (max a sx e min a dx)

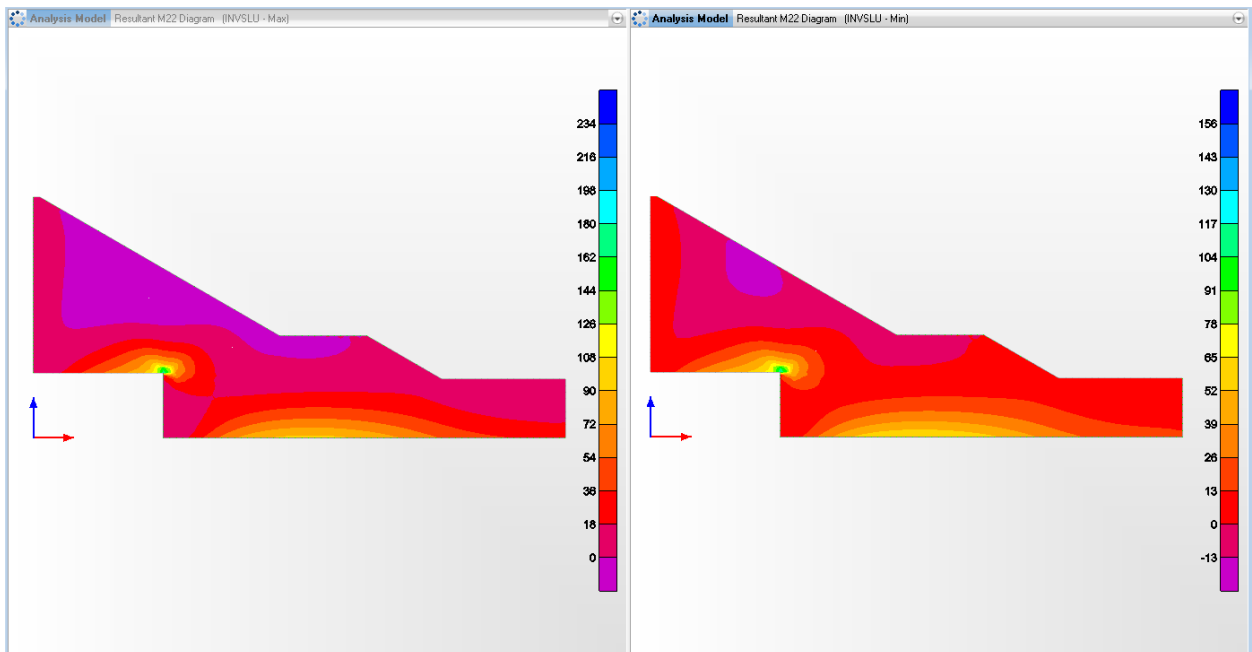


Involuppo SLU: Taglio V23 (max a sx e min a dx)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**



Inviluppo SLU: Momenti flettenti M11 (max a sx e min a dx)



Inviluppo SLU: Momenti flettenti M22 (max a sx e min a dx)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

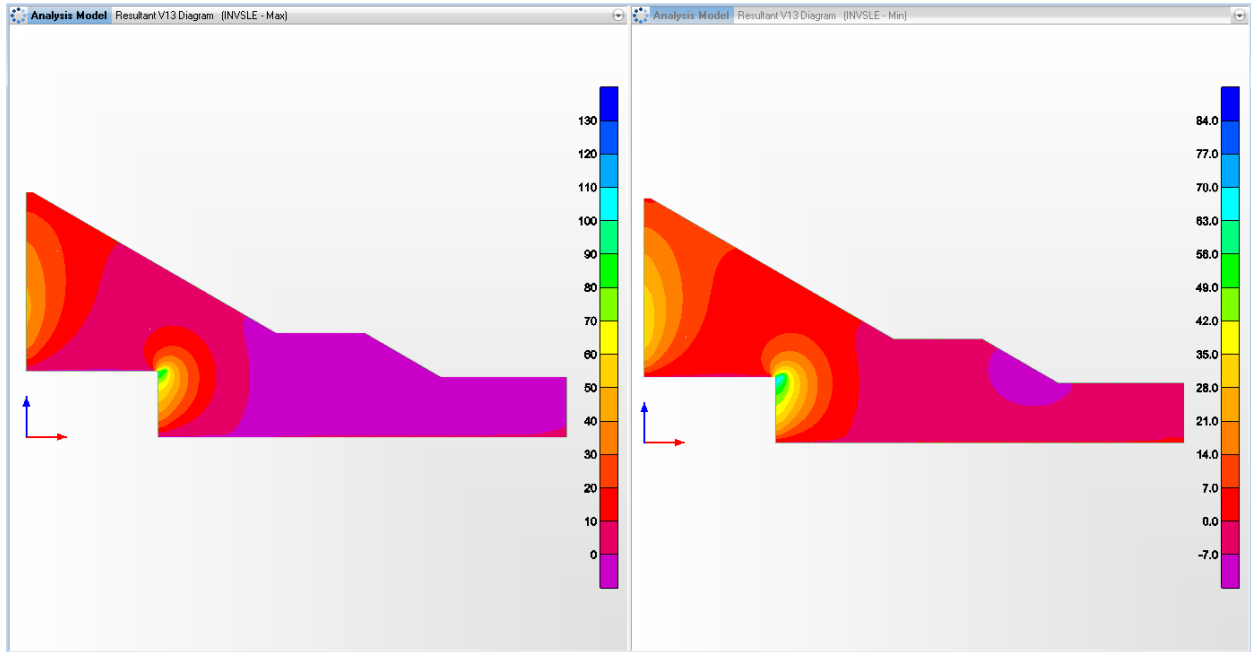
I valori massimi di taglio e momento per ogni combinazione di carico considerata vengono riportati in tabella.

SLU	M11 (kNm)	M22 (kNm)	V13 (kN)	V23 (kN)
COMB. STATICA	40.94	65.13	56.23	78.46
COMB. SISMICA	64.94	<b>95.65</b>	73.60	<b>98.87</b>

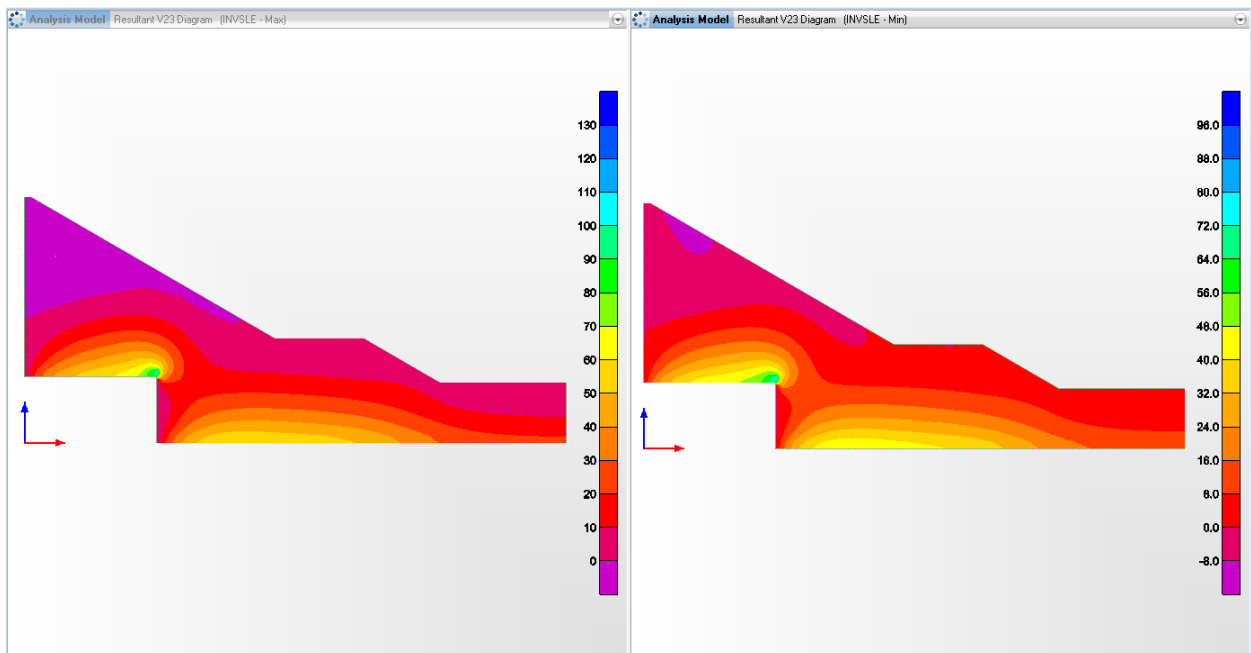
**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**14.2.2 Stato limite di esercizio**

Di seguito vengono riportate l'andamento delle sollecitazioni interne per l'involuppo delle combinazioni di carico considerate.

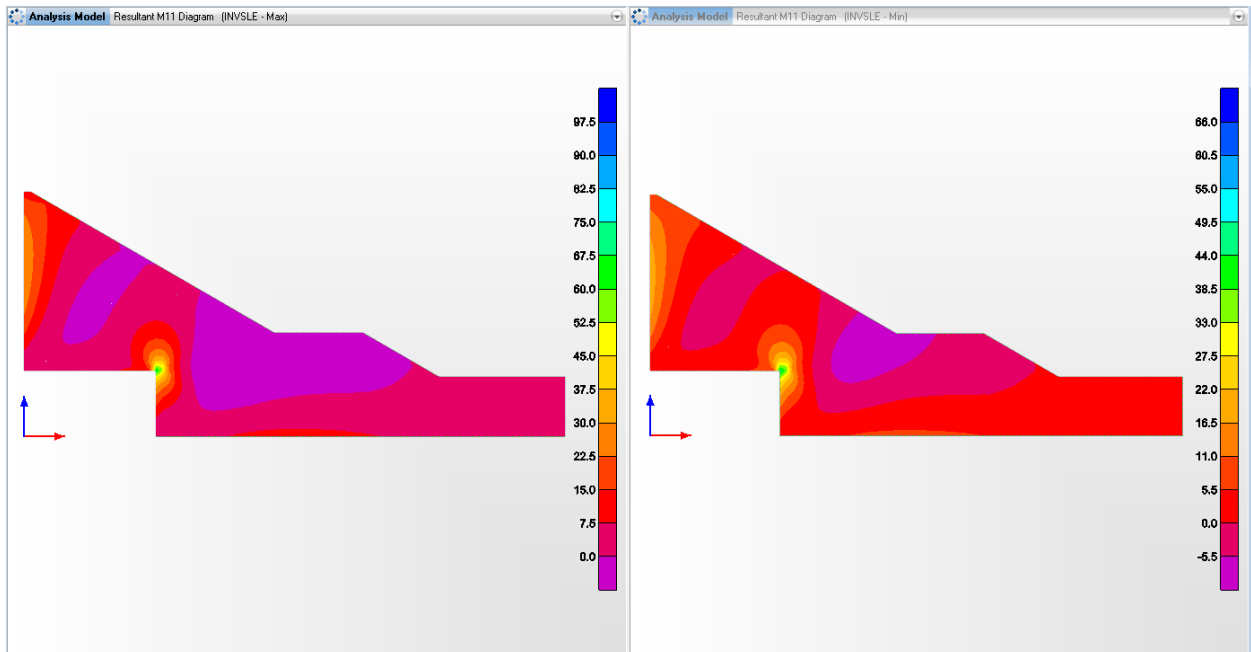


Involuppo SLE: Taglio V13 (max a sx e min a dx)

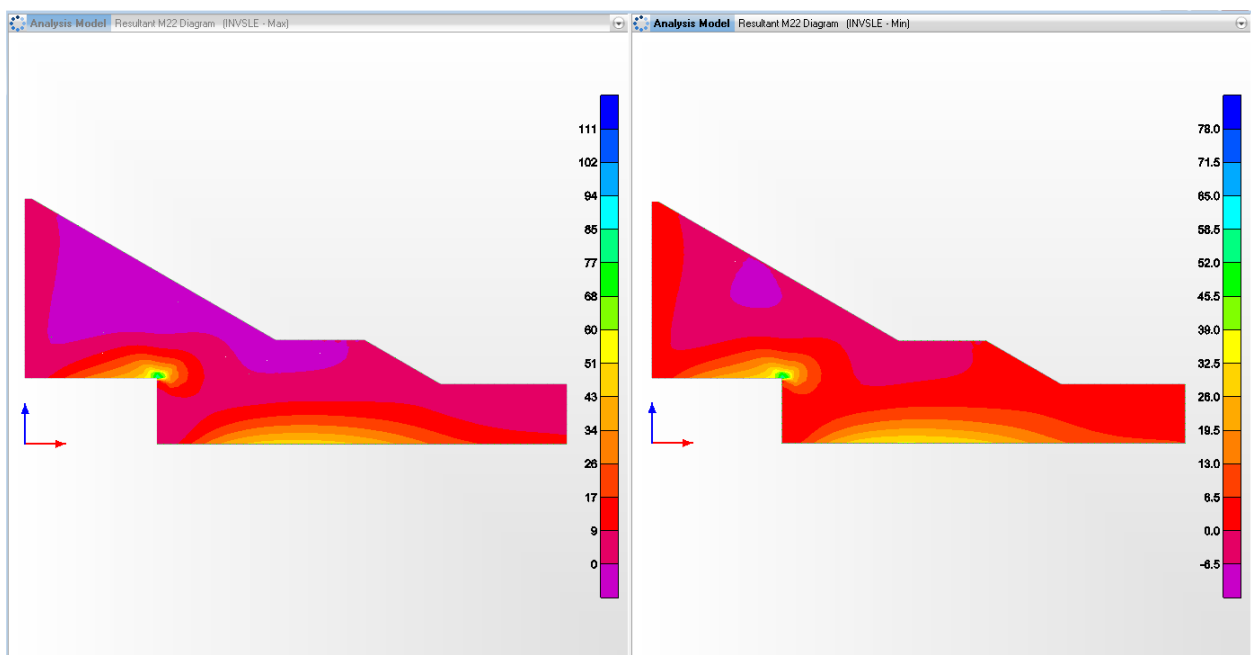


Involuppo SLE: Taglio V23 (max a sx e min a dx)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**



Inviluppo SLE: Momenti flettenti M11 (max a sx e min a dx)



Inviluppo SLE: Momenti flettenti M22 (max a sx e min a dx)

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

I valori massimi di taglio e momento per ogni combinazione di carico considerata vengono riportati in tabella.

SLE	M11 (kNm)	M22 (kNm)	V13 (kN)	V23 (kN)
COMB. RARA	29.89	<b>47.84</b>	41.83	<b>58.46</b>
COMB. FREQUENTE	27.30	44.20	39.55	55.52
COMB. QUASI PERM.	19.97	33.35	32.92	46.73



### 14.3 ARMATURE DI PROGETTO

Di seguito si riassumono le caratteristiche geometriche (Larghezza della sezione B e altezza della sezione H) e le armature assunte per il dimensionamento dei principali elementi strutturali (numero, diametro e posizione delle barre previste per l'elemento di lunghezza unitaria).

Dato che le sollecitazioni nelle due direzioni hanno lo stesso ordine di grandezza, le verifiche vengono condotte con le sole sollecitazioni massime, disponendo la stessa armatura longitudinale e trasversale.

Larghezza	<b>b</b>	100 cm
Altezza	<b>h</b>	30 cm
Armatura tesa 1° strato	<b>A<sub>a</sub></b>	1Φ14/12.5 = 12.32 cm <sup>2</sup>
Copriferro 1° strato	<b>c<sub>1</sub></b>	6.1 cm
Armatura Compressa	<b>A'<sub>a</sub></b>	1Φ12/25 = 4.52 cm <sup>2</sup>
Copriferro armatura compressa	<b>c'</b>	5.8 cm

*Caratteristiche geometriche della sezione*

Le sollecitazioni per l'acciaio sono state ottenute trascurando, a favore di sicurezza, le azioni normali di compressione.

### 14.4 RISULTATI VERIFICHE (STR)

Di seguito vengono riportati i risultati delle verifiche strutturali, nelle sezioni di calcolo riportate nello schema delle armature per ogni sezione di calcolo, in forma tabellare.

Le verifiche strutturali saranno condotte secondo DM 17 gennaio 2018 utilizzando i coefficienti parziali riportati nelle tabella precedente per le azioni.

#### 14.4.1 Verifiche allo SLU

Nel seguente paragrafo si riportano le verifiche a flessione e a taglio.

##### 14.4.1.1 Verifica a flessione

Si mostrano, nelle seguenti tabelle, le verifiche SLU nei confronti della flessione. Si riportano per semplicità le verifiche più gravose per la struttura.

##### Inviluppo SLU

N.Sez	B [cm]	H [cm]	M [kNm]	M <sub>RD</sub> [kNm]	F <sub>s,momento</sub>	Verifica
<b>1</b>	100	30	95.65	128.90	1.35	<b>SI</b>

La verifica risulta soddisfatta.

#### 14.4.1.2 Verifica a taglio

I risultati ottenuti dalle verifiche delle sezioni maggiormente sollecitate (a filo pareti) per la struttura in esame sono riepilogati nella seguente tabella.

##### Inviluppo SLU

N.Sez	B [cm]	H [cm]	V <sub>Ed</sub> [kN]	V <sub>RSd</sub> * [kN]	V <sub>Rcd</sub> [kN]	F <sub>s,taglio</sub>	Verifica
1	100	30	98.87	178.28	-	1.80	SI

\* la resistenza a taglio V<sub>RSd</sub> è stata calcolata utilizzando il traliccio ad inclinazione variabile secondo quanto riportato nelle NTC08.

In tutte le sezioni la resistenza a taglio è garantita dal solo calcestruzzo. La verifica risulta soddisfatta.

#### 14.4.2 Verifiche allo SLE

Nel seguente paragrafo si riportano le verifiche allo stato limite di apertura delle fessure e le verifiche delle tensioni per il calcestruzzo e per l'acciaio di armatura.

##### 14.4.2.1 Verifica delle tensioni

Nelle tabelle seguenti sono riportati i risultati delle verifiche allo SLE dei limiti tensionali di lavoro nel calcestruzzo e nelle barre di armatura.

La verifica fornisce i seguenti risultati:

##### Combinazione SLE rara

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	σ <sub>c</sub> [Mpa] σ <sub>c</sub> < 0.6·f <sub>ck</sub>	σ <sub>f</sub> [Mpa] σ <sub>f</sub> < 0.8·f <sub>yk</sub>	Verifica
1	100	30	47.84	18.26	337.50	SI

Nello specifico si verifica che le tensioni nei materiali si mantengano nei seguenti limiti:

C32/40    σ<sub>c</sub> ≤ 0.60 f<sub>ck</sub> = 0.60·32 = 19.20 N/mm<sup>2</sup>

B450C    σ<sub>f</sub> ≤ 0.80 f<sub>yk</sub> = 0.80·450 = 360 N/mm<sup>2</sup>

##### Combinazione SLE quasi permanente

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	σ <sub>c</sub> [Mpa] σ <sub>c</sub> < 0.45·f <sub>ck</sub>	σ <sub>f</sub> [Mpa] σ <sub>f</sub> < 0.8·f <sub>yk</sub>	Verifica
1	100	30	33.35	4.53		SI

Nello specifico si verifica che le tensioni nei materiali si mantengano nei seguenti limiti:

C32/40    σ<sub>c</sub> ≤ 0.45 f<sub>ck</sub> = 0.45·33.20 = 14.94 N/mm<sup>2</sup>

B450C    σ<sub>f</sub> ≤ 0.80 f<sub>yk</sub> = 360 N/mm<sup>2</sup>

Tali tensioni risultano sempre al di sotto dei limiti indicati dalla normativa, pertanto, le verifiche si possono ritenere soddisfatte. Vengono riportate le verifiche più gravose.

#### 14.4.2.2 Verifica a fessurazione

Per la verifica a fessurazione si considerano le sollecitazioni relative alla Combinazione Frequente e Quasi Permanente.

I relativi valori di ampiezza delle fessure ricavati per la combinazione Frequente e Quasi Permanente sono riportati in Tabella:

##### Combinazione SLE frequente

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	w <sub>k</sub> [mm] w <sub>k</sub> < 0.3	Verifica
1	100	30	44.20	0.172	SI

##### Combinazione SLE quasi permanente

N. Sez.	B [cm]	H [cm]	M <sub>ed</sub> [kNm]	w <sub>k</sub> [mm] w <sub>k</sub> < 0.2	Verifica
1	100	30	33.35	0.130	SI

L'ampiezza delle fessure è sempre al di sotto dei limiti previsti da normativa, pertanto, le verifiche si possono ritenere soddisfatte.

# TOMBINO $\Phi$ 1500 (ric.=0.6 m)

## 15 ANALISI DEI CARICHI

I calcoli sono stati effettuati considerando la struttura sottoposta alle azioni indotte da:

- Peso proprio
- Carichi permanenti interni
- Carichi permanenti esterni
- Spinte del terreno
- Carichi mobili in soletta
- Spinta del sovraccarico
- Azioni dovute a variazione termica uniforme
- Azioni dovute a differenza di temperatura tra estradosso ed intradosso
- Azione dovuta al ritiro differenziale
- Azioni sismiche

Si precisa che le sollecitazioni sono calcolate con riferimento ad un concio di 1 metro di manufatto e che a tale porzione di struttura sono quindi riportate tutte le azioni di calcolo (analisi a telaio piano).

### 15.1 CARICHI PERMANENTI

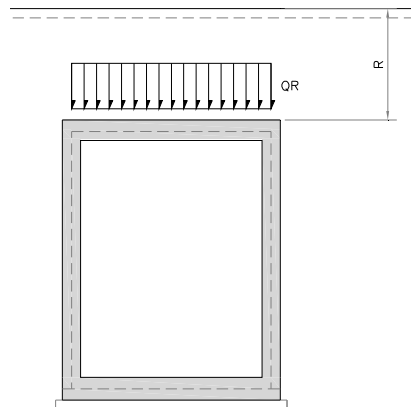
#### 15.1.1 *Peso Proprio Elementi Strutturali*

Il peso proprio degli elementi strutturali è determinato automaticamente dal programma di calcolo, in base al peso dell'unità di volume del calcestruzzo  $\gamma_{cls} = 25 \text{ KN/m}^3$ .

#### 15.1.2 *Carichi agenti sulla soletta superiore*

Il carico permanente in copertura è dovuto alla presenza del rilevato ed è pari a:

$$Q_R = P_{p, ril} * R = 20 * 0.6 = 12 \text{ kN/m}^2 \quad \text{con } R = \text{altezza media del rilevato}$$



Peso proprio del rilevato

### 15.1.3 Carichi agenti in fondazione

In fondazione non si considera la presenza dei permanenti portati perché riducono lo stato sollecitativo della fondazione

### 15.1.4 Spinte Laterali

Per la valutazione delle Spinte del terreno si è fatto riferimento alla teoria di Coulomb. La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte della parete che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare, Coulomb ammette, al contrario della teoria di Rankine, l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume  $\gamma$ , su una parete di altezza  $H$ , risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente):

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

$K_a$  rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come:

$$K_a = \frac{\sin^2(\alpha + \phi)}{\sin^2 \alpha \cdot \sin(\alpha - \delta) \cdot \left[ 1 + \frac{\sqrt{\sin(\phi + \delta) \cdot \sin(\phi - \beta)}}{\sqrt{\sin(\alpha - \delta) \cdot \sin(\alpha + \beta)}} \right]^2}$$

dove  $f$  è l'angolo d'attrito del terreno,  $\alpha$  rappresenta l'angolo che la parete forma con l'orizzontale ( $\alpha = 90^\circ$  per parete verticale),  $\delta$  è l'angolo d'attrito terreno-parete,  $\beta$  è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-parete rispetto alla normale alla parete.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto.

Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ( $1/3 H$  rispetto alla base della parete). L'espressione di  $K_a$  perde di significato per  $\beta > \phi$ .

Questo coincide con quanto si intuisce fisicamente: la pendenza del terreno a monte della parete non può superare l'angolo di natural declivio del terreno stesso.

Nel caso di terreno dotato di attrito e coesione  $c'$  l'espressione della pressione del terreno ad una generica profondità  $z$  vale:

$$\sigma_a = \gamma \cdot z \cdot K_a - 2 \cdot c' \cdot \sqrt{K_a}$$

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Nel caso in esame, tuttavia, in considerazione della ridotta capacità de formativa dell’opera, si è assunto che sui piedritti agisca la spinta calcolata in condizioni di riposo. Tale assunzione deriva dalla considerazione che nel terreno circostante la struttura in esame, che si prevede costipato a rullo con le usuali modalità, non possa mobilitarsi la spinta attiva in quanto la notevole rigidezza della struttura non consente la produzione degli spostamenti necessari alla sua attivazione.

Il coefficiente di spinta a riposo  $K_0$  è espresso dalla relazione:

$$K_0 = 1 - \sin \phi = 0.426$$

Dove  $\phi$  rappresenta l'angolo d'attrito interno del terreno di rinfianco.

Quindi la pressione laterale, ad una generica profondità  $z$  e la spinta totale sulla parete di altezza  $H$  valgono:

$$\sigma = \gamma \cdot z \cdot K_0 + p_v \cdot K_0$$

$$S = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot K_0 + p_v \cdot K_0 \cdot H$$

dove  $p_v$  è la pressione verticale agente in corrispondenza della calotta.

Considerando che il terreno di riempimento ed il suo relativo grado di compattazione determineranno il regime delle spinte verticali ed orizzontali sui ritti del tombino, valutando inoltre la possibilità che il materiale di scavo venga parzialmente recuperato, almeno per le frazioni di migliore qualità, per tale riempimento, si adottano i seguenti parametri geotecnici medi del terreno in sito:

- angolo di attrito interno  $\phi' = 35^\circ$
- coesione  $c' = 0 \text{ kPa}$
- peso di volume del terreno  $\gamma = 20 \text{ kN/m}^3$

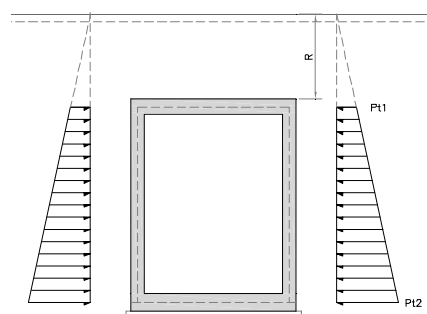
La spinta a riposo del terreno sui piedritti è calcolata in automatico dal programma di calcolo.

La pressione del terreno agente alle profondità degli assi baricentrici delle solette vale:

$$p_{t1} = K_0 \times \gamma t \times (R + ST / 2) \quad [\text{kN/m}^2]$$

$$p_{t2} = K_0 \times \gamma t \times (R + ST + B + SF / 2) \quad [\text{kN/m}^2]$$

Tali forze vengono computate automaticamente nel modello.



**Spinta laterale del terreno**

### 15.1.5 Spinta in presenza di falda

Nel caso in cui a monte della parete sia presente la falda il diagramma delle pressioni sulla parete risulta modificato a causa della sottospinta che l'acqua esercita sul terreno. Il peso di volume del terreno al di sopra della linea di falda non subisce variazioni. Viceversa, al di sotto del livello di falda va considerato il peso di volume di galleggiamento:

$$\gamma_a = \gamma_{sat} - \gamma_w$$

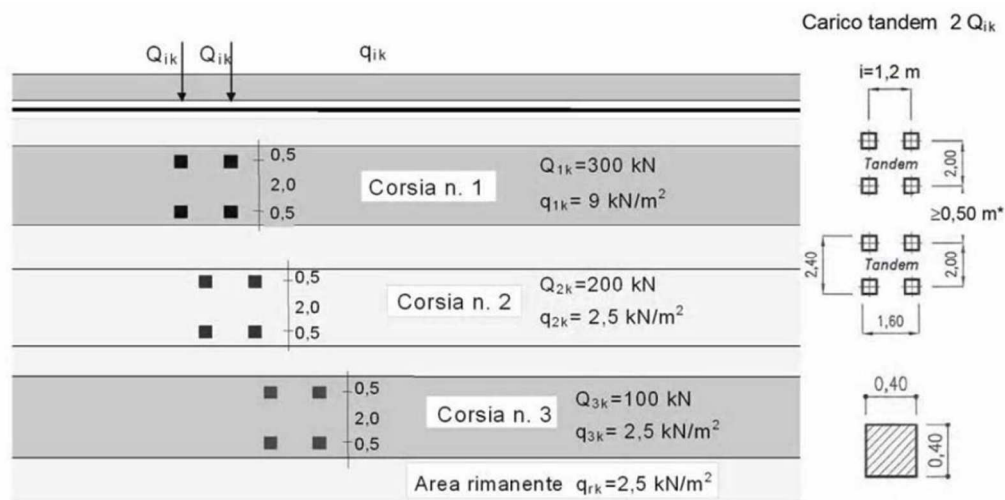
dove  $\gamma_{sat}$  è il peso di volume saturo del terreno (dipendente dall'indice dei pori) e  $\gamma_w$  è il peso di volume dell'acqua.

Quindi il diagramma delle pressioni al di sotto della linea di falda ha una pendenza minore. Al diagramma così ottenuto va sommato il diagramma triangolare legato alla pressione idrostatica esercitata dall'acqua.

## 15.2 CARICHI MOBILI IN COPERTURA

### 15.2.1 Carichi mobili esterni

Per la determinazione dei carichi accidentali da traffico da considerare sul piano della pavimentazione, si è fatto riferimento agli schemi di carico stabilità al punto 5.1.3.3.3 del DM 17/01/18 di cui nel seguito:



**Schema di carico 1**

Lo schema di carico, da Normativa, è in particolare costituito dalle seguenti colonne di carico:

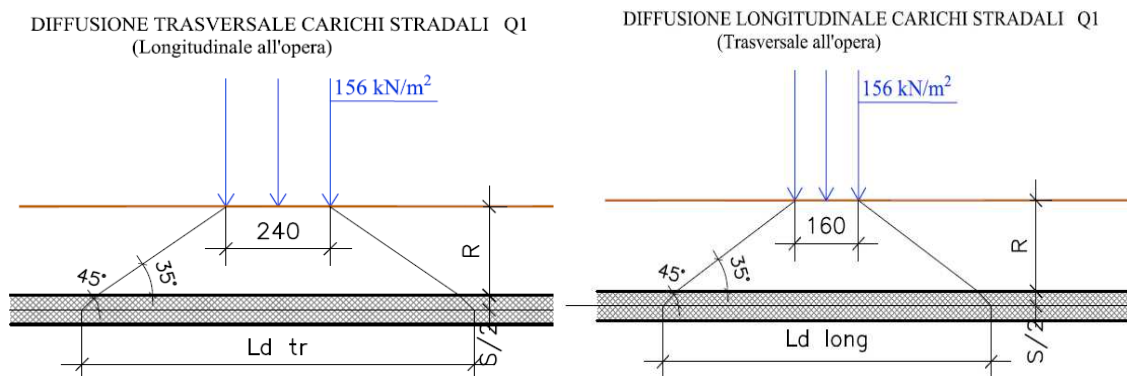
- una colonna di carichi (ingombro = 3 m) costituita da un automezzo convenzionale  $Q_{1k}$  di 600 kN dotato di 2 assi di 2 ruote ciascuno, distanti 1.20 m in senso longitudinale e con interasse ruote in senso trasversale di 2.00 m; un carico ripartito  $q_{1k}$  di 9 kN/m<sup>2</sup> uniformemente distribuito;
- una seconda colonna di carichi (ingombro = 3 m), analoga alla precedente, ma con carichi pari rispettivamente a 400 kN di  $Q_{1k}$  e 2.5 kN/m<sup>2</sup> di  $q_{1k}$  e posta ad interasse di 3.00 m. da essa;



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- una terza colonna di carichi (ingombro = 3 m), analoga alla precedente, ma con carichi pari rispettivamente a 200 kN di Q<sub>1k</sub> e 2.5 kN/m<sup>2</sup> di q<sub>1k</sub> e posta ad interasse di 3.00 m. da essa;
- un carico uniforme q<sub>rk</sub> = 2.5 kN/m<sup>2</sup> nella zona di carreggiata non impegnata dai carichi precedenti.

Si è assunto inoltre di diffondere il carico fino al piano medio della soletta, secondo quanto riportato negli schemi grafici di figura seguente:



**Schema di diffusione in soletta carichi Q1**

Ai fini delle analisi, si è assunto di trasformare i carichi concentrati Q<sub>1k</sub> in un carico distribuito equivalente agente sul piano medio della soletta.

Il carico di progetto utile alla simulazione del carico Q<sub>1(assi)</sub> è stato valutato come di seguito:

$$Q_{1\text{ prog}} = 600 / (L_{d\text{ tr}} \times L_{d\text{ long}})$$

Se L<sub>dtr</sub> risulta maggiore di 3.00 m, a Q<sub>1prog</sub> dovuto alla prima colonna di carico va aggiunto una seconda colonna di carico per tener conto della zona di sovrapposizione dei carichi, il carico della seconda colonna è pari a:

$$Q_{2\text{ prog}} = 400 / (L_{d\text{ tr}} \times L_{d\text{ long}})$$

tenendo comunque presente l'effetto della collaborazione strutturale in direzione longitudinale all'opera stessa.

Essendoci in soletta un ricoprimento minimo pari a 0.60 m costituito da terreno da rilevato e quindi di buone caratteristiche, si ha:

Ingombro trasversale:  $L_{d\text{ tr}} = 1.60 + 2 \cdot (0.60 \cdot \tan 35^\circ + 0.16/2 \cdot \tan 45^\circ) = 2.60 \text{ m}$

Ingombro longitudinale:  $L_{d\text{ long}} = 2.40 + 2 \cdot (0.60 \cdot \tan 35^\circ + 0.16/2 \cdot \tan 45^\circ) = 3.40 \text{ m}$

Essendo L<sub>d tr</sub> inferiore a 3.00 m, non si considera la presenza della seconda colonna di carico.

I carichi concentrati  $Q_{1k}$  sono stati trasformati in un carico distribuito equivalente agente sul piano medio della soletta che, con riferimento alla colonna di carico 1, risulta:

$$Q_{1kd} = 600 / (L_{d\ tr} \times L_{d\ long}) = 600 / (3.40 \times 2.60) = 67.87 \text{ kN/m}^2$$

In aggiunta, si deve considerare un ulteriore carico agente sul piano stradale pari a  $9 \text{ kN/m}^2$ , trascurando cautelativamente gli effetti di diffusione.

La somma del sovraccarico dovuto agli assi e al carico uniforme è pari a:

$$q_{tot} = Q_{1kd} + q_{1k,dis} = 67.87 + 9.00 = 76.87 \text{ kN/m}^2$$

Tale valore risulta uniformemente distribuito lungo l'intera sezione trasversale del tombino.

### 15.2.2 Frenatura

L'azione di frenamento, con riferimento al par. 5.1.3.5 delle NTC del 2018, è assunta pari a:

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

Di conseguenza:

$$q_3 = 364.914 \text{ kN}$$

Con:

$$Q_{1k} = 300 \text{ kN} \quad \text{Carichi tandem concentrati}$$

$$q_{1k} = 9 \text{ kN/m}^2 \quad \text{Carico distribuito}$$

$$w_1 = 3.00 \text{ m} \quad \text{Larghezza corsia}$$

$$L_{fr.} = 1.82 \text{ m} \quad \text{Larghezza dello scatolare}$$

Tale azione è funzione del carico verticale totale agente sulla corsia convenzionale n.1 e a vantaggio di sicurezza è sempre assunta agente sulla larghezza della sede stradale che ricade sul sottovia o tombino:

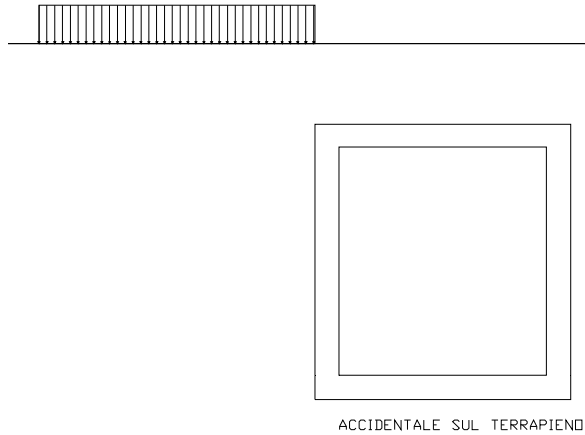
$$F_{fr. eq.} = 364.914 / (13.86 \times 1.82) \cong 14.47 \text{ kN/m}^2$$

### 15.2.3 Spinta del sovraccarico accidentale

La spinta del carico accidentale si considera agente solo sul ritto di sinistra ed ha un valore costante con la profondità pari a:

$$s_{accSX} = k_0 \times q = 0.426 \times 20 = 8.52 \text{ kN/m}^2$$

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**15.2.4 Azione dovuta al ritiro differenziale in soletta**

Gli effetti del ritiro del calcestruzzo e della viscosità sono trascurabili a causa dell'esigüe dimensioni dell'opera.

**15.2.5 Azione dovuta a variazione termica uniforme**

Si è tenuto conto di eventuali effetti termici dovuti a variazioni di temperatura sull'opera, applicando una variazione termica uniforme di 15°;

**15.2.6 Azioni dovute a variazione termica tra estradosso ed intradosso**

Si è tenuto conto di eventuali effetti termici dovuti a variazioni di temperatura sull'opera, applicando una variazione termica in soletta tra estradosso ed intradosso pari a ±2.5°.

**15.3 AZIONI SISMICHE**

Queste azioni vengono calcolate in automatico dal codice di calcolo SCAT11.

Per il calcolo dell'azione sismica si è utilizzato il metodo dell'analisi pseudostatica in cui l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico k.

**15.3.1 Forze d'inerzia**

Le forze sismiche sono pertanto le seguenti:

Forza sismica orizzontale  $F_h = k_h * W$

Forza sismica verticale  $F_v = k_v * W$

I valori dei coefficienti sismici orizzontale  $k_h$  e verticale  $k_v$  possono essere valutati mediante le espressioni:

$$k_h = \frac{a_{max}}{g} S_s S_t \beta_m$$

$$k_v = \pm 0,5 k_h$$

Nel caso specifico, in accordo a quanto già riportato al precedente paragrafo risulta:

- $T_{R,SLV}$  = 946anni;
- $a_{g,SLV}$  = **0.283 g**;

Potendo considerare generalmente sottosuoli di **tipo C** per l'intero lotto in progetto, risulta nel caso in esame:

Cat Suolo	<b>C</b>
$S_S$ =	<b>1.283</b>
$S_T$ =	<b>1.00</b>

$K_h$ [--] =	<b>0,363</b>	Coefficiente sismico orizzontale
$K_v$ [--] =	<b>0,182</b>	Coefficiente sismico verticale

### 15.3.2 Spinta sismica terreno

Le spinte del terreno in fase sismica sono state determinate con la teoria di Wood, secondo la quale la risultante dell'incremento di spinta per effetto del sisma su una parete di altezza H viene determinata con la seguente espressione:

$$\Delta S_E = K_h \gamma H^2$$

## 16 COMBINAZIONI DI CARICO

Le condizioni di carico considerate per lo scatolare sono le seguenti:

- Peso proprio
- Spinta terreno sinistra
- Spinta terreno destra
- Sisma da sinistra
- Sisma da destra

**S\_VAR\_SX** Spinta delle terre sulla parete di destra

**VAR** Sovraccarichi variabili sulla soletta superiore

**TERM. (+)/(-)** Azione termica

**FRE** Frenamento

### Riepilogo condizioni di carico per lo scatolare

Si riportano di seguito le combinazioni di carico ritenute più significative con i coefficienti di combinazione  $\gamma \cdot \psi$ . Essendo la struttura simmetrica, si adottano tipologie di combinazione asimmetriche in modo da massimizzare le sollecitazioni. Il dimensionamento delle armature e le verifiche strutturali verranno poi eseguite tenendo conto della simmetria e verificando le condizioni peggiori per ogni lato della struttura.

#### Combinazione n° 1 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

#### Combinazione n° 2 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

#### Combinazione n° 3 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50

#### Combinazione n° 4 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30

#### Combinazione n° 5 SLU (Caso A1-M1)

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	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 6 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 7 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 8 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 9 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 10 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 11 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 12 SLU (Caso A1-M1) - Sisma Vert. positivo

<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
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Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 13 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 14 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 15 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 16 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 17 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 18 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 19 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 20 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 21 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.50	0.50

Elaborato

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**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 22 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 23 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 24 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 25 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.50	0.50
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 26 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 27 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Combinazione n° 28 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Elaborato

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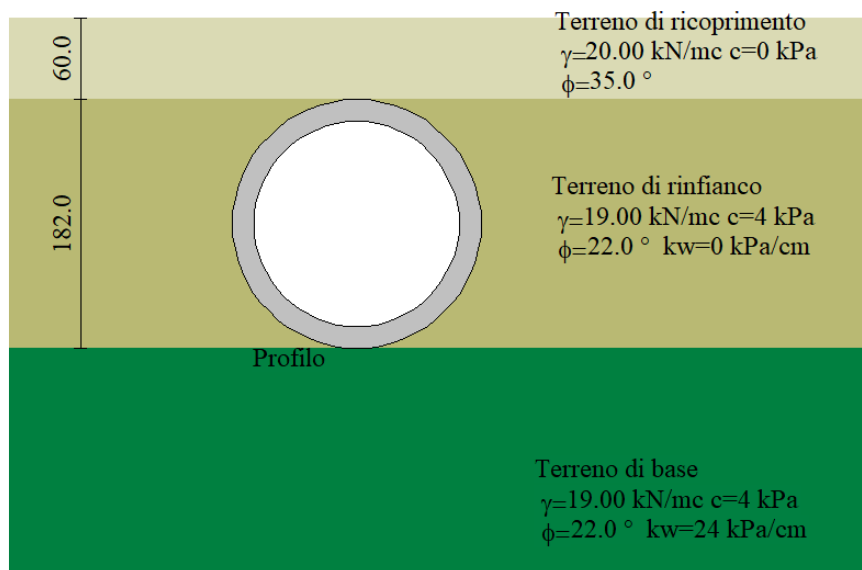


## 17 RISULTATI, ANALISI E VERIFICHE

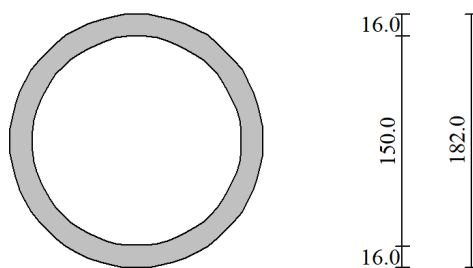
### 17.1 MODELLO DI CALCOLO

Di seguito di riporta una descrizione della modellazione effettuata mediante ausilio del software di calcolo SCAT v.11 prodotto dalla AZTEC Informativa, con una descrizione del modello strutturale implementato.

Di seguito di riporta una descrizione del modello geometrico/geotecnico considerato ai fini del dimensionamento.



Modello Geometrico Geotecnico di Riferimento – 1/2



Modello Geometrico Geotecnico di Riferimento – 2/2

A partire dal tipo di terreno, dalla geometria e dai sovraccarichi agenti il programma è in grado di conoscere tutti i carichi agenti sulla struttura per ogni combinazione di carico.

La struttura scatolare viene schematizzata come un telaio piano e viene risolta mediante il metodo degli elementi finiti (FEM). Più dettagliatamente il telaio viene discretizzato in una serie di elementi connessi fra di loro nei nodi.

## **TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Il terreno di fondazione viene schematizzato con una serie di elementi molle non reagenti a trazione (modello di Winkler). L'area della singola molla è direttamente proporzionale alla costante di Winkler del terreno e all'area di influenza della molla stessa.

A partire dalla matrice di rigidezza del singolo elemento,  $K_e$ , si assembla la matrice di rigidezza di tutta la struttura  $K$ . Tutti i carichi agenti sulla struttura vengono trasformati in carichi nodali (reazioni di incastro perfetto) ed inseriti nel vettore dei carichi nodali  $p$ .

Indicando con  $u$  il vettore degli spostamenti nodali (incogniti), la relazione risolutiva può essere scritta nella forma

$$K \cdot u = p$$

Da questa equazione matriciale si ricavano gli spostamenti incogniti  $u$

$$u = K^{(-1)} p$$

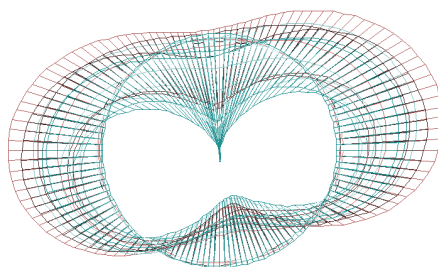
Noti gli spostamenti nodali è possibile risalire alle sollecitazioni nei vari elementi.

La soluzione del sistema viene fatta per ogni combinazione di carico agente sullo scatolare. Il successivo calcolo delle armature nei vari elementi viene condotto tenendo conto delle condizioni più gravose che si possono verificare nelle sezioni fra tutte le combinazioni di carico.

## 17.2 SOLLECITAZIONI DI CALCOLO

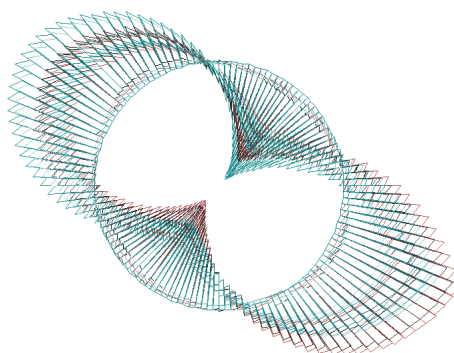
Si riportano, di seguito, i diagrammi di inviluppo delle caratteristiche delle sollecitazioni di Flessione, Taglio e Sforzo Normale della combinazione più gravosa (INV\_SLU-SISMA); le unità di misura dei grafici sono i KN e m.

24.108 kNm



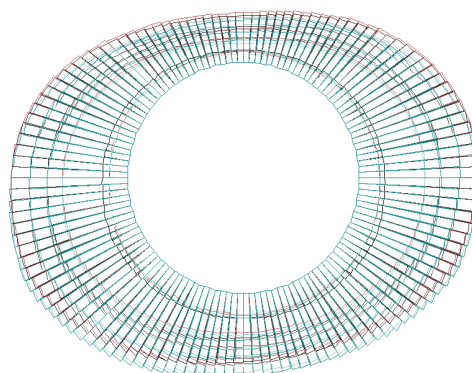
**Inviluppo diagrammi del momento flettente – SLU statico e sismico**

42.604 kN



**Inviluppo diagrammi del taglio – SLU statico e sismico**

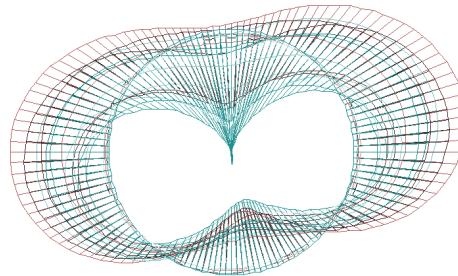
106.294 kN



**Inviluppo diagrammi dello sforzo normale – SLU statico e sismico**

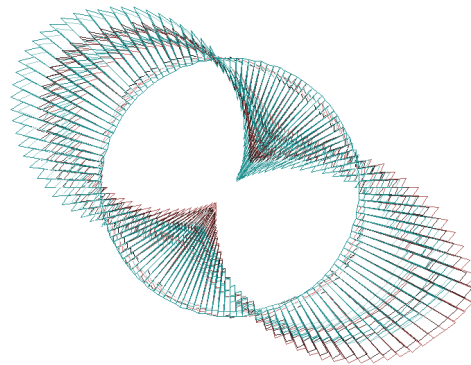
**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

24.108 kNm



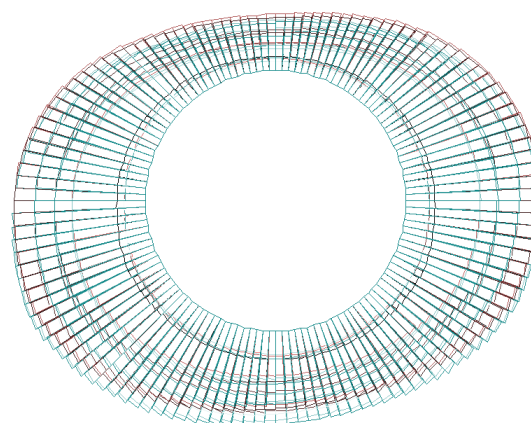
**Inviluppo diagrammi del momento flettente – SLE**

42.604 kN



**Inviluppo diagrammi del taglio – SLE**

106.294 kN



**Inviluppo diagrammi dello sforzo normale – SLE**

Si precisa nuovamente che, la non simmetria del diagramma è legata all'aver considerato combinazioni di carico emisimmetriche.

#### 17.4 ARMATURE DI PROGETTO

Nella tabella seguente si riportano le armature di progetto previste per la sezione di calcolo in questione, come desumibili dagli elaborati grafici di armatura delle opere relative:

<i>Elemento</i>	<b>Armatura a flessione</b>		<b>Armatura a taglio</b>
	<b>Af 1</b>	<b>Af 2</b>	<b>Af t</b>
-	1 $\phi$ 12/20	1 $\phi$ 12/20	

**Af1** : Armatura lato esterno (terreno)

**Af2** : Armatura lato interno

**Aft**: Armatura a taglio

Ai fini delle verifiche si è fatto riferimento ad un copriferro di calcolo (asse armature) pari a 3.6 cm e un copriferro filo esterno armature pari a 3 cm.

Si evidenzia inoltre che le sollecitazioni di progetto non hanno richiesto una specifica armatura a taglio, essendo già soddisfatte le verifiche condotte con previsti dal DM 17.01.18 per le strutture non armate a taglio; è stata comunque prevista un'armatura di collegamento trasversale 1 $\phi$ 6/40x40.

## 17.6 RISULTATI VERIFICHE (STR)

Il software esegue in automatico tutte le verifiche strutturali sia allo stato limite ultimo che allo stato limite di esercizio. Per quanto riguarda il taglio il programma prevede sia la verifica per elementi non armati a taglio e sia quella per elementi dotati di apposita armatura a taglio, disponendo, tuttavia, ferri sagomati resistenti a taglio e non staffe o tiranti. Per questo motivo le verifiche a taglio vengono eseguite manualmente attraverso l'ausilio di fogli di calcolo strutturati ad hoc.

I criteri generali di verifica adottati dal Software sono quelli esposti al Capitolo 7.

Le verifiche esposte fanno riferimento alla sezione maggiormente sollecitata lungo l'intero tombino circolare.

In virtù della particolare forma della sezione, il software suddivide la stessa in due elementi, ovvero l'elemento trasverso (semicirconferenza superiore) e l'elemento fondazione (semicirconferenza inferiore), per ciascuna dei quali sono state considerate 5 sezioni di verifica.

### 17.6.1 Verifiche allo SLU

Nel seguente paragrafo si riportano le verifiche a flessione e a taglio.

#### 17.6.1.1 Verifica a flessione

Si mostrano, nelle seguenti tabelle, le verifiche SLU nei confronti della flessione. Si riportano per semplicità le verifiche più gravose per la struttura.

*Simbologia adottata ed unità di misura*

*X* Ascissa/Ordinata sezione, espresso in cm

*A<sub>fi</sub>* Area armatura inferiore, espresse in cm<sup>2</sup>

*A<sub>fs</sub>* Area armatura superiore, espresse in cm<sup>2</sup>

*CS* Coeff. di sicurezza sezione

### Inviluppo verifiche stato limite ultimo (SLU)

#### Verifica sezioni fondazione (Inviluppo)

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.40
0.48	5.65	5.65	12.01
0.91	5.65	5.65	3.27
1.34	5.65	5.65	3.45
1.74	5.65	5.65	2.22

#### Verifica sezioni trasverso (Inviluppo)

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.38
0.48	5.65	5.65	1.56
0.91	5.65	5.65	1.39
1.34	5.65	5.65	2.02
1.74	5.65	5.65	2.02

### 17.6.1.2 Verifica a taglio

I risultati ottenuti dalle verifiche delle sezioni maggiormente sollecitate per la struttura in esame sono riepilogati nella seguente tabella.

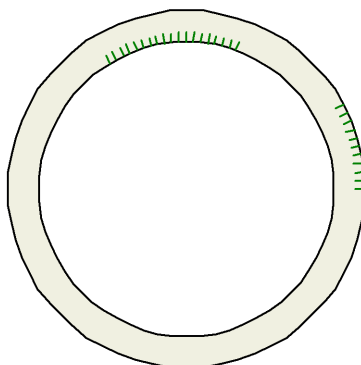
Sezione	b	h	V <sub>Ed</sub>	V <sub>RSd</sub> *	V <sub>R cd</sub>	Verificato
[-]	[cm]	[cm]	[kN]	[kN]	[kN]	[-]
-	100	16	28.27	-	45.47	SI

### 17.6.2 Verifiche allo SLE

Nel seguente paragrafo si riportano le verifiche allo stato limite di apertura delle fessure e le verifiche delle tensioni per il calcestruzzo e per l'acciaio di armatura.

#### 17.6.2.1 Verifica a fessurazione

Nella seguente figura vengono riportati lo schema con indicazione delle zone della struttura ove si innesca il processo di fessurazione:



Schema con indicazione delle zone fessurate

A seguire i relativi valori di ampiezza delle fessure ricavati per la combinazione frequente e quasi permanente.

### Verifiche fessurazione

Simbologia adottata ed unità di misura

N° Indice sezione

X<sub>i</sub> Ascissa/Ordinata sezione, espresso in m

M<sub>p</sub> Momento, espresse in kNm

M<sub>n</sub> Momento, espresse in kNm

w<sub>k</sub> Ampiezza fessure, espresse in mm

w<sub>lim</sub> Apertura limite fessure, espresse in mm

s Distanza media tra le fessure, espresse in mm

ε<sub>sm</sub> Deformazione nelle fessure, espresse in [%]

#### Verifica fessurazione fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	w <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-1.20	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

5	1.74	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000
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**Verifica fessurazione traverso [Combinazione n° 19 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	1.31	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 20 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.20	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.72	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.68	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.31	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 20 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.81	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.83	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	1.61	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.31	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 21 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	3.69	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.70	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.97	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-5.18	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	4.30	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 21 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-3.69	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	7.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	9.60	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	5.14	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-4.30	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-1.20	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	1.31	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	7.71	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.70	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.48	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.18	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	8.32	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	5.65	5.65	11.69	-11.69	-7.71	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.29	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.05	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-1.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-8.32	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.20	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.72	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.68	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.31	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.81	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.83	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	1.61	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.31	0.00	0.30	0.00	0.000000

L'ampiezza delle fessure è sempre al di sotto dei limiti sopra descritti, pertanto, le verifiche si possono ritenere soddisfatte.

**17.6.2.2 Verifica delle tensioni**

Nella seguente tabella sono riportati i risultati delle verifiche allo SLE dei limiti tensionali di lavoro nel calcestruzzo e nelle barre di armatura.

Tali tensioni risultano sempre al di sotto dei limiti indicati dalla normativa, pertanto, le verifiche si possono ritenere soddisfatte. Vengono riportate le verifiche più gravose.

**Verifiche combinazioni SLE**

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in m

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

A<sub>f</sub> Area armatura inferiore, espressa in cmq

A<sub>s</sub> Area armatura superiore, espressa in cmq

σ<sub>f</sub> Tensione nell'armatura disposta in corrispondenza del lembo inferiore, espressa in MPa

σ<sub>s</sub> Tensione nell'armatura disposta in corrispondenza del lembo superiore, espressa in MPa

σ<sub>c</sub> Tensione nel calcestruzzo, espressa in MPa

τ<sub>c</sub> Tensione tangenziale nel calcestruzzo, espressa in MPa

A<sub>sv</sub> Area armature trasversali nella sezione, espressa in cmq

**Verifica sezioni fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	1.23	15.07	5.65	5.65	3.49	6.72	0.51
2	0.48	-0.63	14.42	5.65	5.65	0.35	2.40	0.24
3	0.91	-1.20	13.90	5.65	5.65	7.07	3.29	0.50
4	1.34	-0.63	15.02	5.65	5.65	0.22	2.44	0.24
5	1.74	1.23	15.07	5.65	5.65	3.49	6.72	0.5

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Verifica sezioni traverso [Combinazione n° 19 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-1.23	15.07	5.65	5.65	6.72	3.49	0.51
2	0.48	0.55	8.34	5.65	5.65	1.75	1.95	0.22
3	0.91	1.31	6.02	5.65	5.65	1.90	15.40	0.60
4	1.34	0.55	8.48	5.65	5.65	1.77	1.86	0.22
5	1.74	-1.23	15.07	5.65	5.65	6.72	3.49	0.51

**Verifica sezioni fondazione [Combinazione n° 22 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	4.77	61.63	5.65	5.65	13.95	23.69	1.96
2	0.48	-1.99	50.13	5.65	5.65	0.14	7.91	0.75
3	0.91	-7.53	40.88	5.65	5.65	82.43	12.26	3.40
4	1.34	-6.63	45.43	5.65	5.65	64.34	12.74	2.95
5	1.74	5.59	62.17	5.65	5.65	14.94	34.87	2.35

**Verifica sezioni traverso [Combinazione n° 22 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-4.77	61.28	5.65	5.65	23.93	13.91	1.96
2	0.48	9.13	26.10	5.65	5.65	9.57	121.14	4.20
3	0.91	11.86	18.62	5.65	5.65	8.73	171.63	5.50
4	1.34	6.19	31.73	5.65	5.65	9.68	69.52	2.80
5	1.74	-5.59	62.29	5.65	5.65	34.78	14.96	2.35

**Verifica sezioni fondazione [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	3.16	61.67	5.65	5.65	11.27	4.89	1.19
2	0.48	-2.39	51.60	5.65	5.65	2.13	8.89	0.89
3	0.91	-7.73	42.58	5.65	5.65	84.05	12.71	3.49
4	1.34	-7.03	46.86	5.65	5.65	69.34	13.25	3.14
5	1.74	3.98	62.22	5.65	5.65	12.87	13.08	1.57

**Verifica sezioni traverso [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-3.16	61.23	5.65	5.65	5.05	11.24	1.19
2	0.48	11.94	24.62	5.65	5.65	10.23	167.38	5.53
3	0.91	14.88	16.93	5.65	5.65	9.35	221.34	6.92
4	1.34	9.01	30.29	5.65	5.65	10.51	115.51	4.14
5	1.74	-3.98	62.25	5.65	5.65	13.06	12.87	1.57

**Verifica sezioni fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	1.23	15.07	5.65	5.65	3.49	6.72	0.51

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2	0.48	-0.63	14.42	5.65	5.65	0.35	2.40	0.24
3	0.91	-1.20	13.90	5.65	5.65	7.07	3.29	0.50
4	1.34	-0.63	15.02	5.65	5.65	0.22	2.44	0.24
5	1.74	1.23	15.07	5.65	5.65	3.49	6.72	0.51

**Verifica sezioni traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-1.23	15.07	5.65	5.65	6.72	3.49	0.51
2	0.48	0.55	8.34	5.65	5.65	1.75	1.95	0.22
3	0.91	1.31	6.02	5.65	5.65	1.90	15.40	0.60
4	1.34	0.55	8.48	5.65	5.65	1.77	1.86	0.22
5	1.74	-1.23	15.07	5.65	5.65	6.72	3.49	0.51

**Verifica sezioni fondazione [Combinazione n° 27 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	11.21	61.46	5.65	5.65	18.38	122.22	5.06
2	0.48	-0.39	44.22	5.65	5.65	3.05	4.44	0.33
3	0.91	-6.73	34.09	5.65	5.65	75.95	10.43	3.05
4	1.34	-5.03	39.69	5.65	5.65	44.40	10.68	2.21
5	1.74	12.03	62.01	5.65	5.65	18.87	134.60	5.44

**Verifica sezioni traverso [Combinazione n° 27 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-11.21	61.44	5.65	5.65	122.24	18.38	5.06
2	0.48	-2.15	32.01	5.65	5.65	7.99	6.79	0.86
3	0.91	-0.22	25.42	5.65	5.65	1.77	2.54	0.19
4	1.34	-5.08	37.47	5.65	5.65	47.05	10.29	2.25
5	1.74	-12.03	62.46	5.65	5.65	134.20	18.97	5.44

**Verifica sezioni fondazione [Combinazione n° 28 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	9.60	61.50	5.65	5.65	17.59	96.89	4.29
2	0.48	-0.79	45.69	5.65	5.65	2.47	5.27	0.43
3	0.91	-6.93	35.78	5.65	5.65	77.57	10.89	3.14
4	1.34	-5.43	41.12	5.65	5.65	49.38	11.20	2.40
5	1.74	10.42	62.05	5.65	5.65	18.12	109.21	4.68

**Verifica sezioni traverso [Combinazione n° 28 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-9.60	61.40	5.65	5.65	96.97	17.57	4.30
2	0.48	0.67	30.54	5.65	5.65	3.77	1.41	0.32
3	0.91	2.80	23.72	5.65	5.65	6.25	23.37	1.22
4	1.34	-2.26	36.03	5.65	5.65	7.09	7.38	0.89
5	1.74	-10.42	62.42	5.65	5.65	108.88	18.20	4.68

## 17.7 RISULTATI VERIFICHE (GEO)

Il software esegue in automatico tutte le verifiche geotecniche sia allo stato limite ultimo che allo stato limite di esercizio. I criteri generali di verifica adottati dal Software sono quelli esposti al Capitolo 8.

### 17.7.1 Verifica a Stato limite di esercizio

Nei paragrafi seguenti sono riportati i tabulati con le pressioni di contatto fondazione-terreno e i cedimenti attesi.

#### 17.7.1.1 Pressioni di contatto fondazione-terreno

Le pressioni di contatto terreno-fondazione sono ricavate con riferimento all'involuppo dello Stato limite di esercizio.

#### Involuppo pressioni sul terreno di fondazione

X [m]	$\sigma_{\min}$ [MPa]	$\sigma_{\max}$ [MPa]
0.08	0.021	0.099
0.48	0.024	0.112
0.91	0.026	0.127
1.34	0.027	0.142
1.74	0.027	0.157

#### 17.7.1.2 Cedimenti attesi

I cedimenti attesi sono ricavati per la fondazione con riferimento alla combinazione rara dello Stato limite di esercizio.

#### Spostamenti fondazione (Combinazione n° 22)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	2.165	2.887
0.48	1.484	3.269
0.91	1.371	3.677
1.34	1.488	4.097
1.74	2.204	4.504

#### Spostamenti fondazione (Combinazione n° 23)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	2.162	2.888
0.48	1.484	3.269
0.91	1.371	3.677
1.34	1.487	4.097
1.74	2.207	4.505

#### Spostamenti fondazione (Combinazione n° 27)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	2.179	2.882
0.48	1.486	3.269
0.91	1.373	3.678
1.34	1.489	4.097
1.74	2.194	4.500

#### Spostamenti fondazione (Combinazione n° 28)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	2.176	2.883
0.48	1.485	3.269
0.91	1.372	3.678
1.34	1.488	4.097
1.74	2.196	4.501

### 17.7.2 Verifica a stato limite ultimo

Nel paragrafo seguente sono riportati i tabulati con la verifica a carico limite.

#### 17.7.2.1 Verifica a carico limite

La verifica a carico limite è stata eseguita in automatico dal software di calcolo attraverso l'utilizzo della formula di Meyerhof, come già specificato in precedenza; nel seguito si riportano i risultati ottenuti per il caso in esame:

### Verifiche geotecniche

#### Simbologia adottata

IC Indice della combinazione

$N_c, N_q, N_\gamma$  Fattori di capacità portante

$N_c, N_q, N_\gamma$  Fattori di capacità portante corretti per effetto forma, inclinazione del carico, affondamento, etc.

$q_u$  Portanza ultima del terreno, espressa in [MPa]

$Q_v$  Portanza ultima del terreno, espressa in [kN]/m

$Q_y$  Carico verticale al piano di posa, espressa in [kN]/m

FS Fattore di sicurezza a carico limite

IC	$N_c$	$N_q$	$N_\gamma$	$N'_c$	$N'_q$	$N'_\gamma$	$q_u$	$Q_u$	$Q_y$	FS
1	16.88	7.82	4.07	24.17	9.49	4.93	0.624	1135.49	52.75	21.53
2	13.03	5.21	1.97	18.20	6.24	2.36	0.389	708.88	40.58	17.47
3	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
4	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
5	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
6	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
7	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
8	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
9	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
10	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
11	16.88	7.82	4.07	21.38	8.50	3.18	0.497	904.27	40.13	22.53
12	16.88	7.82	4.07	21.42	8.52	3.21	0.499	908.55	41.02	22.15
13	13.03	5.21	1.97	15.91	5.51	1.23	0.301	547.17	41.02	13.34
14	13.03	5.21	1.97	15.87	5.50	1.21	0.299	544.13	40.13	13.56
15	16.88	7.82	4.07	21.38	8.50	3.18	0.497	904.27	40.13	22.53
16	16.88	7.82	4.07	21.42	8.52	3.21	0.499	908.55	41.02	22.15
17	13.03	5.21	1.97	15.91	5.51	1.23	0.301	547.17	41.02	13.34
18	13.03	5.21	1.97	15.87	5.50	1.21	0.299	544.13	40.13	13.56

# TOMBINO $\Phi$ 1500 (ric.=3.5 m)

## 18 ANALISI DEI CARICHI

I calcoli sono stati effettuati considerando la struttura sottoposta alle azioni indotte da:

- Peso proprio
- Carichi permanenti interni
- Carichi permanenti esterni
- Spinte del terreno
- Carichi mobili in soletta
- Spinta del sovraccarico
- Azioni dovute a variazione termica uniforme
- Azioni dovute a differenza di temperatura tra estradosso ed intradosso
- Azione dovuta al ritiro differenziale
- Azioni sismiche

Si precisa che le sollecitazioni sono calcolate con riferimento ad un concio di 1 metro di manufatto e che a tale porzione di struttura sono quindi riportate tutte le azioni di calcolo (analisi a telaio piano).

### 18.1 CARICHI PERMANENTI

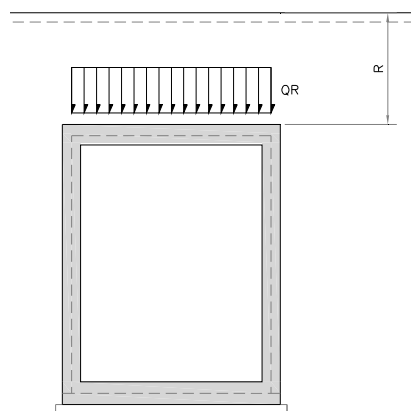
#### 18.1.1 *Peso Proprio Elementi Strutturali*

Il peso proprio degli elementi strutturali è determinato automaticamente dal programma di calcolo, in base al peso dell'unità di volume del calcestruzzo  $\gamma_{cls} = 25 \text{ KN/m}^3$ .

#### 18.1.2 *Carichi agenti sulla soletta superiore*

Il carico permanente in copertura è dovuto alla presenza del rilevato ed è pari a:

$$Q_R = P_{p, ril} * R = 20 * 3.50 = 70 \text{ kN/m}^2 \quad \text{con } R = \text{altezza media del rilevato}$$



Peso proprio del rilevato

### 18.1.3 Carichi agenti in fondazione

In fondazione non si considera la presenza dei permanenti portati perché riducono lo stato sollecitativo della fondazione

### 18.1.4 Spinte Laterali

Per lavalutazione delle Spinte del terreno si è fatto riferimento alla teoria di Coluomb. La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte della parete che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare, Coulomb ammette, al contrario della teoria di Rankine, l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume  $\gamma$ , su una parete di altezza H, risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente):

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

$K_a$  rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come:

$$K_a = \frac{\sin^2(\alpha + \phi)}{\sin^2 \alpha \cdot \sin(\alpha - \delta) \cdot \left[ 1 + \frac{\sqrt{\sin(\phi + \delta) \cdot \sin(\phi - \beta)}}{\sqrt{\sin(\alpha - \delta) \cdot \sin(\alpha + \beta)}} \right]^2}$$

dove  $f$  è l'angolo d'attrito del terreno,  $\alpha$  rappresenta l'angolo che la parete forma con l'orizzontale ( $\alpha = 90^\circ$  per parete verticale),  $\delta$  è l'angolo d'attrito terreno-parete,  $\beta$  è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-parete rispetto alla normale alla parete.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto.

Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ( $1/3 H$  rispetto alla base della parete). L'espressione di  $K_a$  perde di significato per  $\beta > \phi$ .

Questo coincide con quanto si intuisce fisicamente: la pendenza del terreno a monte della parete non può superare l'angolo di natural declivio del terreno stesso.

Nel caso di terreno dotato di attrito e coesione  $c'$  l'espressione della pressione del terreno ad una generica profondità  $z$  vale:

$$\sigma_a = \gamma \cdot z \cdot K_a - 2 \cdot c' \cdot \sqrt{K_a}$$



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Nel caso in esame, tuttavia, in considerazione della ridotta capacità de formativa dell’opera, si è assunto che sui piedritti agisca la spinta calcolata in condizioni di riposo. Tale assunzione deriva dalla considerazione che nel terreno circostante la struttura in esame, che si prevede costipato a rullo con le usuali modalità, non possa mobilitarsi la spinta attiva in quanto la notevole rigidezza della struttura non consente la produzione degli spostamenti necessari alla sua attivazione.

Il coefficiente di spinta a riposo  $k_0$  è espresso dalla relazione:

$$K_0 = 1 - \sin \varphi = 0.426$$

Dove  $\phi$  rappresenta l'angolo d'attrito interno del terreno di rinfiacco.

Quindi la pressione laterale, ad una generica profondità  $z$  e la spinta totale sulla parete di altezza  $H$  valgono:

$$\sigma = \gamma \cdot z \cdot K_0 + p_v \cdot K_0$$

$$S = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot K_0 + p_v \cdot K_0 \cdot H$$

dove  $p_v$  è la pressione verticale agente in corrispondenza della calotta.

Considerando che il terreno di riempimento ed il suo relativo grado di compattazione determineranno il regime delle spinte verticali ed orizzontali sui ritti del tombino, valutando inoltre la possibilità che il materiale di scavo venga parzialmente recuperato, almeno per le frazioni di migliore qualità, per tale riempimento, si adottano i seguenti parametri geotecnici medi del terreno in sito:

- angolo di attrito interno  $\phi' = 35^\circ$
- coesione  $c' = 0 \text{ kPa}$
- peso di volume del terreno  $\gamma = 20 \text{ kN/m}^3$

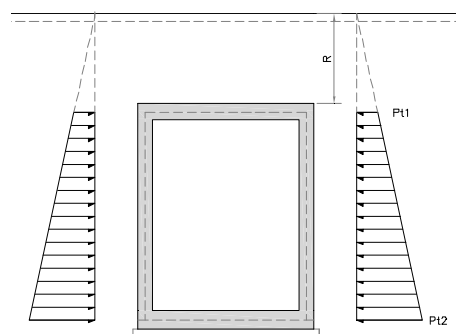
La spinta a riposo del terreno sui piedritti è calcolata in automatico dal programma di calcolo.

La pressione del terreno agente alle profondità degli assi baricentrici delle solette vale:

$$p_{t1} = K_0 \times \gamma t \times (R + ST / 2) \quad [\text{kN/m}^2]$$

$$p_{t2} = K_0 \times \gamma t \times (R + ST + B + SF / 2) \quad [\text{kN/m}^2]$$

Tali forze vengono computate automaticamente nel modello.



Spinta laterale del terreno

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**18.1.5 Spinta in presenza di falda**

Nel caso in cui a monte della parete sia presente la falda il diagramma delle pressioni sulla parete risulta modificato a causa della sottospinta che l'acqua esercita sul terreno. Il peso di volume del terreno al di sopra della linea di falda non subisce variazioni. Viceversa, al di sotto del livello di falda va considerato il peso di volume di galleggiamento:

$$\gamma_a = \gamma_{sat} - \gamma_w$$

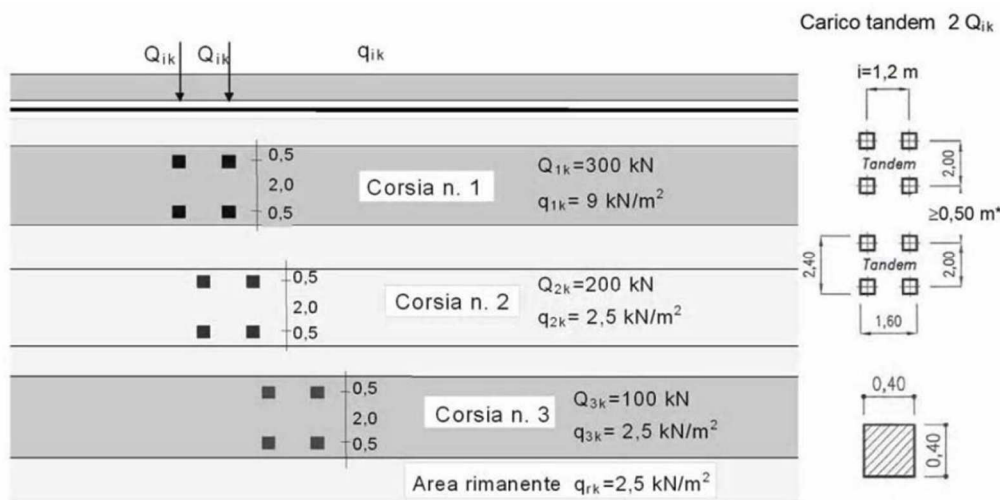
dove  $\gamma_{sat}$  è il peso di volume saturo del terreno (dipendente dall'indice dei pori) e  $\gamma_w$  è il peso di volume dell'acqua.

Quindi il diagramma delle pressioni al di sotto della linea di falda ha una pendenza minore. Al diagramma così ottenuto va sommato il diagramma triangolare legato alla pressione idrostatica esercitata dall'acqua.

**18.2 CARICHI MOBILI IN COPERTURA**

**18.2.1 Carichi mobili esterni**

Per la determinazione dei carichi accidentali da traffico da considerare sul piano della pavimentazione, si è fatto riferimento agli schemi di carico stabilità al punto 5.1.3.3.3 del DM 17/01/18 di cui nel seguito:



**Schema di carico 1**

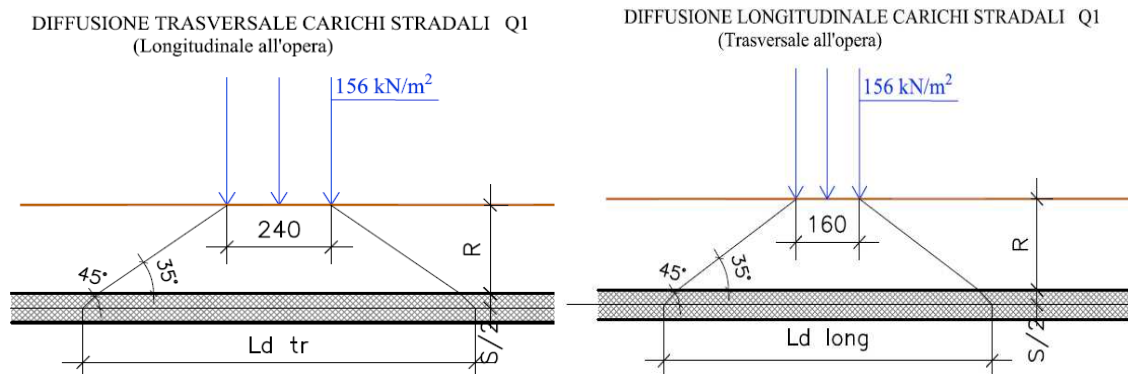
Lo schema di carico, da Normativa, è in particolare costituito dalle seguenti colonne di carico:

- una colonna di carichi (ingombro = 3 m) costituita da un automezzo convenzionale  $Q_{1k}$  di 600 kN dotato di 2 assi di 2 ruote ciascuno, distanti 1.20 m in senso longitudinale e con interasse ruote in senso trasversale di 2.00 m; un carico ripartito  $q_{1k}$  di  $9 \text{ kN/m}^2$  uniformemente distribuito;
- una seconda colonna di carichi (ingombro = 3 m), analoga alla precedente, ma con carichi pari rispettivamente a 400 kN di  $Q_{1k}$  e  $2.5 \text{ kN/m}^2$  di  $q_{1k}$  e posta ad interasse di 3.00 m. da essa;

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

- una terza colonna di carichi (ingombro = 3 m), analoga alla precedente, ma con carichi pari rispettivamente a 200 kN di Q<sub>1k</sub> e 2.5 kN/m<sup>2</sup> di q<sub>1k</sub> e posta ad interasse di 3.00 m. da essa;
- un carico uniforme q<sub>rk</sub> = 2.5 kN/m<sup>2</sup> nella zona di carreggiata non impegnata dai carichi precedenti.

Si è assunto inoltre di diffondere il carico fino al piano medio della soletta, secondo quanto riportato negli schemi grafici di figura seguente:



**Schema di diffusione in soletta carichi Q1**

Ai fini delle analisi, si è assunto di trasformare i carichi concentrati Q<sub>1k</sub> in un carico distribuito equivalente agente sul piano medio della soletta.

Il carico di progetto utile alla simulazione del carico Q<sub>1(assi)</sub> è stato valutato come di seguito:

$$Q_{1\text{prog}} = 600 / (L_{d\text{tr}} \times L_{d\text{long}})$$

Se L<sub>dtr</sub> risulta maggiore di 3.00 m, a Q<sub>1prog</sub> dovuto alla prima colonna di carico va aggiunto una seconda colonna di carico per tener conto della zona di sovrapposizione dei carichi, il carico della seconda colonna è pari a:

$$Q_{2\text{prog}} = 400 / (L_{d\text{tr}} \times L_{d\text{long}})$$

tenendo comunque presente l'effetto della collaborazione strutturale in direzione longitudinale all'opera stessa.

Essendoci in soletta un ricoprimento minimo pari a 0.60 m costituito da terreno da rilevato e quindi di buone caratteristiche, si ha:

Ingombro trasversale:  $L_{d\text{tr}} = 0.40 + 1.20 + 2 \cdot (3.50 \cdot \tan 35^\circ + 0.16/2 \cdot \tan 45^\circ) = 6.66 \text{ m}$

Ingombro longitudinale:  $L_{d\text{long}} = 2.40 + 2.40 + 2 \cdot (3.50 \cdot \tan 35^\circ + 0.16/2 \cdot \tan 45^\circ) = 7.46$

Essendo L<sub>dtr</sub> superiore a 3.00 m, si considera la presenza della seconda colonna di carico.

I carichi concentrati  $Q_{1k}$  sono stati trasformati in un carico distribuito equivalente agente sul piano medio della soletta che, con riferimento alla colonna di carico 1, risulta:

$$Q_{1kd} = 600 / (L_{d\ tr} \times L_{d\ long}) = (600+400)/(6.66 \times 7.46) = 20.13 \text{ kN/m}^2$$

In aggiunta, si deve considerare un ulteriore carico agente sul piano stradale pari a  $9 \text{ kN/m}^2$ , trascurando cautelativamente gli effetti di diffusione.

La somma del sovraccarico dovuto agli assi e al carico uniforme è pari a:

$$q_{tot} = Q_{1kd} + q_{1k,dis} = 20.13 + 9.00 = 29.13 \text{ kN/m}^2$$

Tale valore risulta uniformemente distribuito lungo l'intera sezione trasversale del tombino.

### 18.2.2 Frenatura

L'azione di frenamento, con riferimento al par. 5.1.3.5 delle NTC del 2018, è assunta pari a:

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

Di conseguenza:

$$q_3 = 364.914 \text{ kN}$$

Con:

$$Q_{1k} = 300 \text{ kN} \quad \text{Carichi tandem concentrati}$$

$$q_{1k} = 9 \text{ kN/m}^2 \quad \text{Carico distribuito}$$

$$w_1 = 3.00 \text{ m} \quad \text{Larghezza corsia}$$

$$L_{fr.} = 1.82 \text{ m} \quad \text{Larghezza dello scatolare}$$

Tale azione è funzione del carico verticale totale agente sulla corsia convenzionale n.1 e a vantaggio di sicurezza è sempre assunta agente sulla larghezza della sede stradale che ricade sul sottovia o tombino:

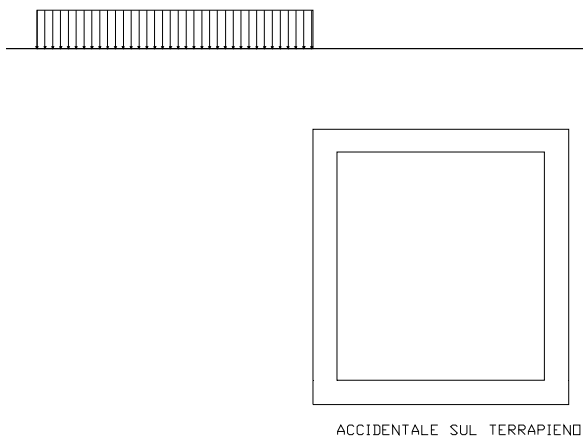
$$F_{fr. eq.} = 364.914 / (13.86 \times 1.82) \cong 14.47 \text{ kN/m}^2$$

### 18.2.3 Spinta del sovraccarico accidentale

La spinta del carico accidentale si considera agente solo sul ritto di sinistra ed ha un valore costante con la profondità pari a:

$$s_{accSX} = k_0 \times q = 0.426 \times 20 = 8.52 \text{ kN/m}^2$$

## TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO



### 18.2.4 Azione dovuta al ritiro differenziale in soletta

Gli effetti del ritiro del calcestruzzo e della viscosità sono trascurabili a causa dell'esigüe dimensioni dell'opera.

### 18.2.5 Azione dovuta a variazione termica uniforme

Si è tenuto conto di eventuali effetti termici dovuti a variazioni di temperatura sull'opera, applicando una variazione termica uniforme di 15°;

### 18.2.6 Azioni dovute a variazione termica tra estradosso ed intradosso

Si è tenuto conto di eventuali effetti termici dovuti a variazioni di temperatura sull'opera, applicando una variazione termica in soletta tra estradosso ed intradosso pari a  $\pm 2.5^\circ$ .

## 18.3 AZIONI SISMICHE

Queste azioni vengono calcolate in automatico dal codice di calcolo SCAT11.

Per il calcolo dell'azione sismica si è utilizzato il metodo dell'analisi pseudostatica in cui l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico  $k$ .

### 18.3.1 Forze d'inerzia

Le forze sismiche sono pertanto le seguenti:

Forza sismica orizzontale  $F_h = k_h \cdot W$

Forza sismica verticale  $F_v = k_v \cdot W$

I valori dei coefficienti sismici orizzontale  $k_h$  e verticale  $k_v$  possono essere valutati mediante le espressioni:

$$k_h = \frac{a_{max}}{g} S_s S_t \beta_m$$

$$k_v = \pm 0,5 k_h$$

Nel caso specifico, in accordo a quanto già riportato al precedente paragrafo risulta:

- $T_{R,SLV}$  = 946anni;
- $a_{g,SLV}$  = **0.283 g**;

Potendo considerare generalmente sottosuoli di **tipo C** per l'intero lotto in progetto, risulta nel caso in esame:

Cat Suolo	<b>C</b>
$S_S =$	<b>1.283</b>
$S_T =$	<b>1.00</b>

$K_h$ [--] =	<b>0,363</b>	Coefficiente sismico orizzontale
$K_v$ [--] =	<b>0,182</b>	Coefficiente sismico verticale

### 18.3.2 Spinta sismica terreno

Le spinte del terreno in fase sismica sono state determinate con la teoria di Wood, secondo la quale la risultante dell'incremento di spinta per effetto del sisma su una parete di altezza H viene determinata con la seguente espressione:

$$\Delta S_E = K_h \gamma H^2$$

## 19 COMBINAZIONI DI CARICO

Le condizioni di carico considerate per lo scatolare sono le seguenti:

- Peso proprio
- Spinta terreno sinistra
- Spinta terreno destra
- Sisma da sinistra
- Sisma da destra

**S\_VAR\_SX** Spinta delle terre sulla parete di destra

**VAR** Sovraccarichi variabili sulla soletta superiore

**TERM. (+)/(-)** Azione termica

**FRE** Frenamento

### Riepilogo condizioni di carico per lo scatolare

Si riportano di seguito le combinazioni di carico ritenute più significative con i coefficienti di combinazione  $\gamma \cdot \psi$ . Essendo la struttura simmetrica, si adottano tipologie di combinazione asimmetriche in modo da massimizzare le sollecitazioni. Il dimensionamento delle armature e le verifiche strutturali verranno poi eseguite tenendo conto della simmetria e verificando le condizioni peggiori per ogni lato della struttura.

#### Combinazione n° 1 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

#### Combinazione n° 2 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

#### Combinazione n° 3 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50

#### Combinazione n° 4 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30

#### Combinazione n° 5 SLU (Caso A1-M1)

Elaborato

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**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 6 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 7 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 8 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 9 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 10 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 11 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 12 SLU (Caso A1-M1) - Sisma Vert. positivo

<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
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**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 13 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 14 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 15 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 16 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 17 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 18 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 19 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 20 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 21 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.50	0.50

Elaborato

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**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 22 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 23 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 24 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 25 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.50	0.50
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 26 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 27 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Combinazione n° 28 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Elaborato

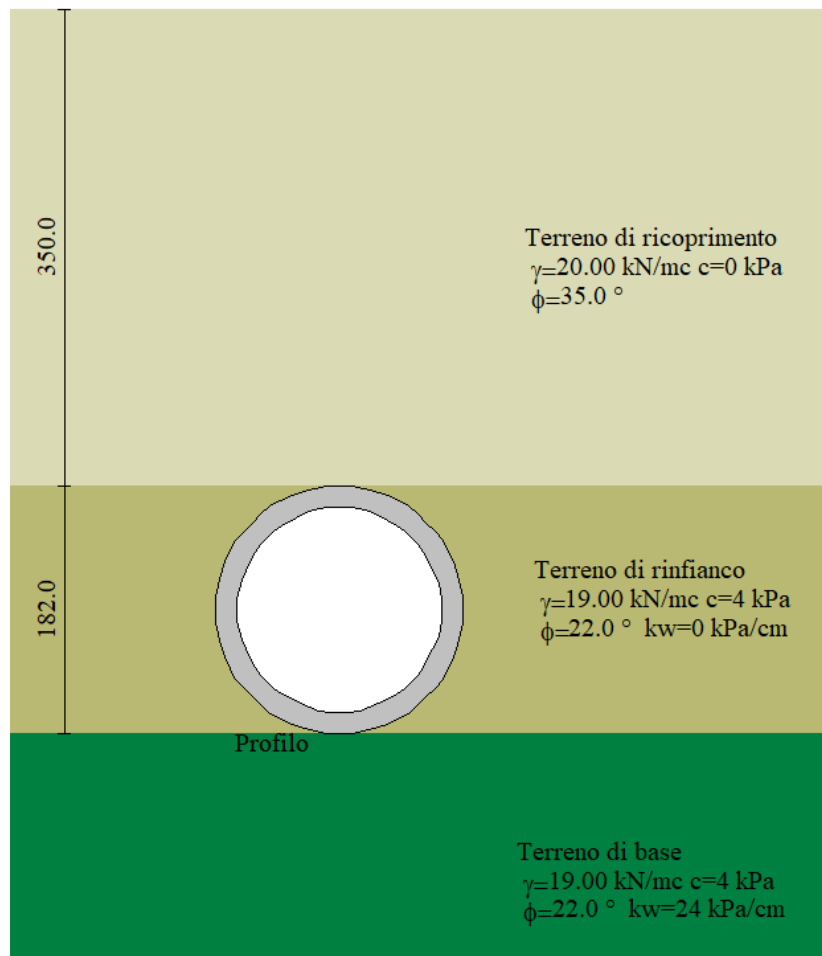
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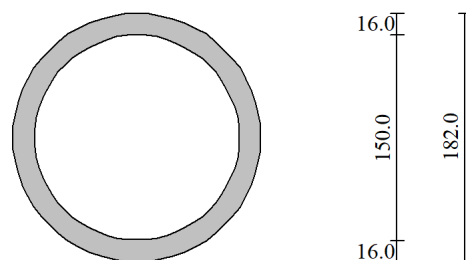
## 20 RISULTATI, ANALISI E VERIFICHE

### 20.1 MODELLO DI CALCOLO

Di seguito di riporta una descrizione della modellazione effettuata mediante ausilio del software di calcolo SCAT v.11 prodotto dalla AZTEC Informativa, con una descrizione del modello strutturale implementato.  
Di seguito di riporta una descrizione del modello geometrico/geotecnico considerato ai fini del dimensionamento.



Modello Geometrico Geotecnico di Riferimento – 1/2



Modello Geometrico Geotecnico di Riferimento – 2/2

## **TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

A partire dal tipo di terreno, dalla geometria e dai sovraccarichi agenti il programma è in grado di conoscere tutti i carichi agenti sulla struttura per ogni combinazione di carico.

La struttura scatolare viene schematizzata come un telaio piano e viene risolta mediante il metodo degli elementi finiti (FEM). Più dettagliatamente il telaio viene discretizzato in una serie di elementi connessi fra di loro nei nodi.

Il terreno di fondazione viene schematizzato con una serie di elementi molle non reagenti a trazione (modello di Winkler). L'area della singola molla è direttamente proporzionale alla costante di Winkler del terreno e all'area di influenza della molla stessa.

A partire dalla matrice di rigidezza del singolo elemento,  $K_e$ , si assembla la matrice di rigidezza di tutta la struttura  $K$ . Tutti i carichi agenti sulla struttura vengono trasformati in carichi nodali (reazioni di incastro perfetto) ed inseriti nel vettore dei carichi nodali  $p$ .

Indicando con  $u$  il vettore degli spostamenti nodali (incogniti), la relazione risolutiva può essere scritta nella forma

$$K \cdot u = p$$

Da questa equazione matriciale si ricavano gli spostamenti incogniti  $u$

$$u = K^{(-1)} p$$

Noti gli spostamenti nodali è possibile risalire alle sollecitazioni nei vari elementi.

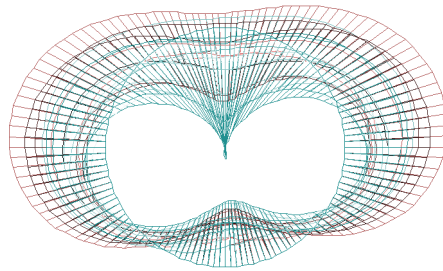
La soluzione del sistema viene fatta per ogni combinazione di carico agente sullo scatolare. Il successivo calcolo delle armature nei vari elementi viene condotto tenendo conto delle condizioni più gravose che si possono verificare nelle sezioni fra tutte le combinazioni di carico.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**20.2 SOLLECITAZIONI DI CALCOLO**

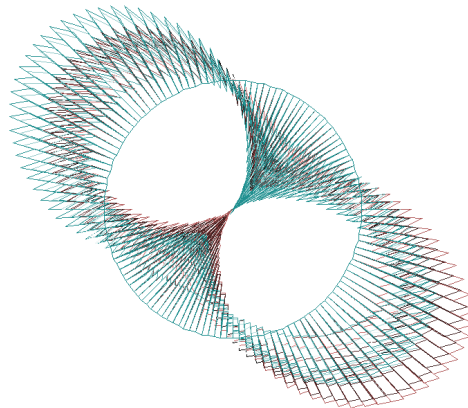
Si riportano, di seguito, i diagrammi di involuppo delle caratteristiche delle sollecitazioni di Flessione, Taglio e Sforzo Normale della combinazione più gravosa (INV\_SLU-SISMA); le unità di misura dei grafici sono i KN e m.

22.360 kNm



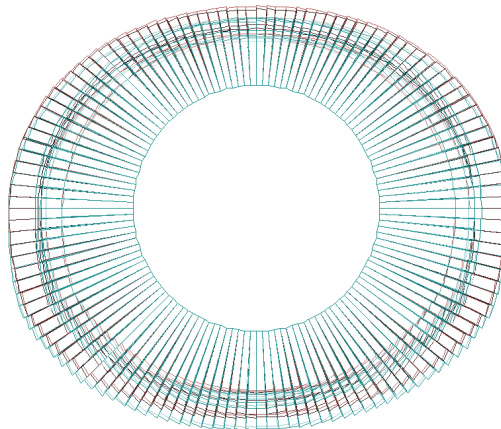
**Inviluppo diagrammi del momento flettente – SLU statico e sismico**

33.116 kN



**Inviluppo diagrammi del taglio – SLU statico e sismico**

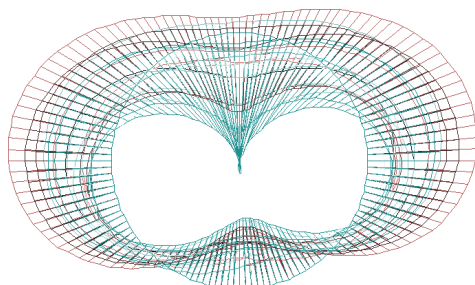
127.720 kN



**Inviluppo diagrammi dello sforzo normale – SLU statico e sismico**

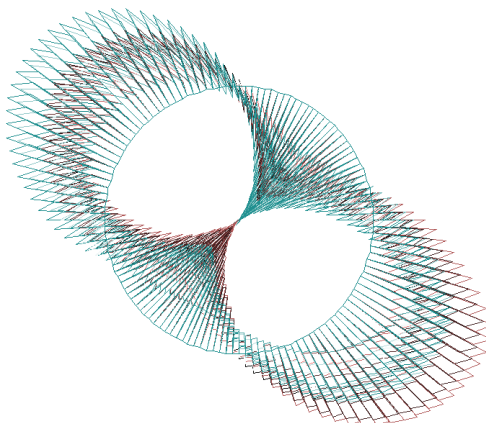
**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

22.360 kNm



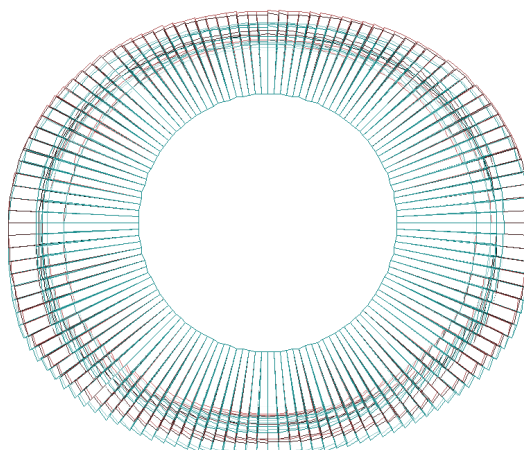
**Inviluppo diagrammi del momento flettente – SLE**

33.116 kN



**Inviluppo diagrammi del taglio – SLE**

127.720 kN



**Inviluppo diagrammi dello sforzo normale – SLE**

Si precisa nuovamente che, la non simmetria del diagramma è legata all'aver considerato combinazioni di carico emisimmetriche.

### 20.3 ARMATURE DI PROGETTO

Nella tabella seguente si riportano le armature di progetto previste per la sezione di calcolo in questione, come desumibili dagli elaborati grafici di armatura delle opere relative:

<i>Elemento</i>	<b>Armatura a flessione</b>		<b>Armatura a taglio</b>
	<b>Af 1</b>	<b>Af 2</b>	<b>Af t</b>
-	1 $\phi$ 12/20	1 $\phi$ 12/20	

**Af1** : Armatura lato esterno (terreno)

**Af2** : Armatura lato interno

**Aft**: Armatura a taglio

Ai fini delle verifiche si è fatto riferimento ad un copriferro di calcolo (asse armature) pari a 3.6 cm e un copriferro filo esterno armature pari a 3 cm.

Si evidenzia inoltre che le sollecitazioni di progetto non hanno richiesto una specifica armatura a taglio, essendo già soddisfatte le verifiche condotte con previsti dal DM 17.01.18 per le strutture non armate a taglio; è stata comunque prevista un'armatura di collegamento trasversale 1 $\phi$ 6/40x40.

## 20.5 RISULTATI VERIFICHE (STR)

Il software esegue in automatico tutte le verifiche strutturali sia allo stato limite ultimo che allo stato limite di esercizio. Per quanto riguarda il taglio il programma prevede sia la verifica per elementi non armati a taglio e sia quella per elementi dotati di apposita armatura a taglio, disponendo, tuttavia, ferri sagomati resistenti a taglio e non staffe o tiranti. Per questo motivo le verifiche a taglio vengono eseguite manualmente attraverso l'ausilio di fogli di calcolo strutturati ad hoc.

I criteri generali di verifica adottati dal Software sono quelli esposti al Capitolo 7.

Le verifiche esposte fanno riferimento alla sezione maggiormente sollecitata lungo l'intero tombino circolare.

In virtù della particolare forma della sezione, il software suddivide la stessa in due elementi, ovvero l'elemento trasverso (semicirconferenza superiore) e l'elemento fondazione (semicirconferenza inferiore), per ciascuna dei quali sono state considerate 5 sezioni di verifica.

### 20.5.1 Verifiche allo SLU

Nel seguente paragrafo si riportano le verifiche a flessione e a taglio.

#### 20.5.1.1 Verifica a flessione

Si mostrano, nelle seguenti tabelle, le verifiche SLU nei confronti della flessione. Si riportano per semplicità le verifiche più gravose per la struttura.

*Simbologia adottata ed unità di misura*

*X* Ascissa/Ordinata sezione, espresso in cm

*A<sub>fi</sub>* Area armatura inferiore, espresse in cm<sup>2</sup>

*A<sub>fs</sub>* Area armatura superiore, espresse in cm<sup>2</sup>

*CS* Coeff. di sicurezza sezione

#### Inviluppo verifiche stato limite ultimo (SLU)

##### Verifica sezioni fondazione (Inviluppo)

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.83
0.48	5.65	5.65	10.58
0.91	5.65	5.65	4.81
1.34	5.65	5.65	6.50
1.74	5.65	5.65	2.87

##### Verifica sezioni trasverso (Inviluppo)

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.99
0.48	5.65	5.65	1.97
0.91	5.65	5.65	1.63
1.34	5.65	5.65	2.20
1.74	5.65	5.65	2.72



### 20.5.1.2 Verifica a taglio

I risultati ottenuti dalle verifiche delle sezioni maggiormente sollecitate per la struttura in esame sono riepilogati nella seguente tabella.

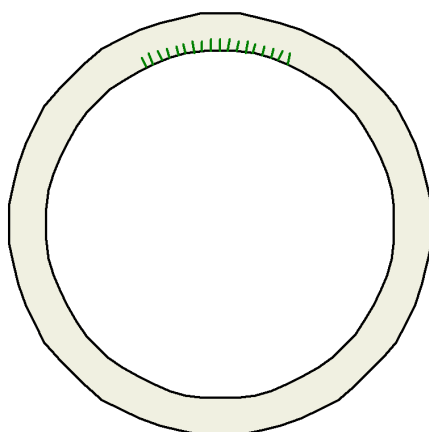
Sezione	b	h	V <sub>Ed</sub>	V <sub>RSd</sub> *	V <sub>Rcd</sub>	Verificato
[-]	[cm]	[cm]	[kN]	[kN]	[kN]	[-]
-	100	16	23.98	-	50.57	SI

### 20.5.2 Verifiche allo SLE

Nel seguente paragrafo si riportano le verifiche allo stato limite di apertura delle fessure e le verifiche delle tensioni per il calcestruzzo e per l'acciaio di armatura.

#### 20.5.2.1 Verifica a fessurazione

Nella seguente figura vengono riportati lo schema con indicazione delle zone della struttura ove si innesca il processo di fessurazione:



Schema con indicazione delle zone fessurate

A seguire i relativi valori di ampiezza delle fessure ricavati per la combinazione frequente e quasi permanente

### Verifiche fessurazione

Simbologia adottata ed unità di misura

N° Indice sezione

X<sub>i</sub> Ascissa/Ordinata sezione, espresso in m

M<sub>p</sub> Momento, espresse in kNm

M<sub>n</sub> Momento, espresse in kNm

w<sub>k</sub> Ampiezza fessure, espresse in mm

w<sub>lim</sub> Apertura limite fessure, espresse in mm

s Distanza media tra le fessure, espresse in mm

ε<sub>sm</sub> Deformazione nelle fessure, espresse in [%]

#### Verifica fessurazione fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	w <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.61	0.00	0.20	0.00	0.000000

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4	1.34	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 19 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.28	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 20 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.65	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.80	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.80	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 20 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	6.52	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.70	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.80	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 21 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	4.47	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-3.15	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.04	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.41	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	4.79	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 21 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-4.47	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	6.86	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	10.29	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	6.23	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-4.79	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.61	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.28	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	8.50	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.15	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.55	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.41	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	8.81	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-8.50	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	-0.19	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.74	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-0.82	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-8.81	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.65	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.80	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.80	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	6.52	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.70	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.80	0.00	0.30	0.00	0.000000

L'ampiezza delle fessure è sempre al di sotto dei limiti sopra descritti, pertanto, le verifiche si possono ritenere soddisfatte.

**20.5.2.2 Verifica delle tensioni**

Nella seguente tabella sono riportati i risultati delle verifiche allo SLE dei limiti tensionali di lavoro nel calcestruzzo e nelle barre di armatura.

Tali tensioni risultano sempre al di sotto dei limiti indicati dalla normativa, pertanto, le verifiche si possono ritenere soddisfatte. Vengono riportate le verifiche più gravose.

**Verifiche combinazioni SLE**

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in m

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

A<sub>fi</sub> Area armatura inferiore, espressa in cmq

A<sub>fs</sub> Area armatura superiore, espressa in cmq

σ<sub>fs</sub> Tensione nell'armatura disposta in corrispondenza del lembo inferiore, espressa in MPa

σ<sub>fi</sub> Tensione nell'armatura disposta in corrispondenza del lembo superiore, espressa in MPa

σ<sub>c</sub> Tensione nel calcestruzzo, espressa in MPa

τ<sub>c</sub> Tensione tangenziale nel calcestruzzo, espressa in MPa

A<sub>sv</sub> Area armature trasversali nella sezione, espressa in cmq

**Verifica sezioni fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	5.38	63.21	5.65	5.65	14.87	31.08	2.24
2	0.48	-2.67	50.36	5.65	5.65	4.73	9.38	1.01
3	0.91	-5.61	44.82	5.65	5.65	49.02	12.02	2.47
4	1.34	-2.67	52.56	5.65	5.65	3.92	9.55	1.00
5	1.74	5.38	63.21	5.65	5.65	14.87	31.08	2.24

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Verifica sezioni traverso [Combinazione n° 19 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-5.38	63.18	5.65	5.65	31.10	14.87	2.24
2	0.48	2.45	42.34	5.65	5.65	8.30	6.02	0.94
3	0.91	5.28	35.36	5.65	5.65	9.99	52.00	2.36
4	1.34	2.45	42.90	5.65	5.65	8.35	5.76	0.94
5	1.74	-5.38	63.18	5.65	5.65	31.10	14.87	2.24

**Verifica sezioni fondazione [Combinazione n° 22 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	4.44	79.98	5.65	5.65	15.31	9.43	1.70
2	0.48	-3.24	67.44	5.65	5.65	3.63	11.87	1.21
3	0.91	-7.49	59.80	5.65	5.65	65.45	16.04	3.29
4	1.34	-4.92	68.08	5.65	5.65	21.47	14.95	1.99
5	1.74	4.86	81.93	5.65	5.65	16.27	12.89	1.88

**Verifica sezioni traverso [Combinazione n° 22 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-4.44	79.75	5.65	5.65	9.53	15.29	1.70
2	0.48	7.86	51.10	5.65	5.65	14.55	78.63	3.51
3	0.91	11.46	42.43	5.65	5.65	14.27	143.24	5.25
4	1.34	7.02	53.30	5.65	5.65	14.51	63.65	3.10
5	1.74	-4.86	81.85	5.65	5.65	12.93	16.27	1.88

**Verifica sezioni fondazione [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	2.83	80.02	5.65	5.65	11.88	1.23	1.08
2	0.48	-3.64	68.92	5.65	5.65	6.43	12.83	1.38
3	0.91	-7.69	61.50	5.65	5.65	67.09	16.48	3.38
4	1.34	-5.32	69.52	5.65	5.65	25.89	15.66	2.18
5	1.74	3.25	81.97	5.65	5.65	12.91	0.18	1.22

**Verifica sezioni traverso [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-2.83	79.71	5.65	5.65	1.18	11.86	1.08
2	0.48	10.68	49.62	5.65	5.65	15.57	124.36	4.85
3	0.91	14.48	40.74	5.65	5.65	15.02	192.79	6.67
4	1.34	9.84	51.87	5.65	5.65	15.69	109.08	4.45
5	1.74	-3.25	81.81	5.65	5.65	0.21	12.90	1.22

**Verifica sezioni fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	5.38	63.21	5.65	5.65	14.87	31.08	2.24
2	0.48	-2.67	50.36	5.65	5.65	4.73	9.38	1.01

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

3	0.91	-5.61	44.82	5.65	5.65	49.02	12.02	2.47
4	1.34	-2.67	52.56	5.65	5.65	3.92	9.55	1.00
5	1.74	5.38	63.21	5.65	5.65	14.87	31.08	2.24

**Verifica sezioni traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-5.38	63.18	5.65	5.65	31.10	14.87	2.24
2	0.48	2.45	42.34	5.65	5.65	8.30	6.02	0.94
3	0.91	5.28	35.36	5.65	5.65	9.99	52.00	2.36
4	1.34	2.45	42.90	5.65	5.65	8.35	5.76	0.94
5	1.74	-5.38	63.18	5.65	5.65	31.10	14.87	2.24

**Verifica sezioni fondazione [Combinazione n° 27 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	10.88	79.81	5.65	5.65	21.95	101.02	4.82
2	0.48	-1.65	61.54	5.65	5.65	2.31	8.12	0.70
3	0.91	-6.69	53.01	5.65	5.65	58.90	14.25	2.94
4	1.34	-3.32	62.34	5.65	5.65	6.08	11.66	1.26
5	1.74	11.30	81.76	5.65	5.65	22.57	105.89	5.01

**Verifica sezioni traverso [Combinazione n° 27 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-10.88	79.92	5.65	5.65	100.93	21.97	4.82
2	0.48	-3.42	57.01	5.65	5.65	9.40	11.40	1.33
3	0.91	-0.62	49.23	5.65	5.65	3.08	5.27	0.41
4	1.34	-4.26	59.04	5.65	5.65	18.48	12.95	1.72
5	1.74	-11.30	82.02	5.65	5.65	105.67	22.62	5.01

**Verifica sezioni fondazione [Combinazione n° 28 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	9.27	79.85	5.65	5.65	20.92	76.14	4.04
2	0.48	-2.05	63.01	5.65	5.65	1.54	8.99	0.80
3	0.91	-6.89	54.70	5.65	5.65	60.53	14.70	3.03
4	1.34	-3.72	63.78	5.65	5.65	9.43	12.56	1.44
5	1.74	9.69	81.80	5.65	5.65	21.56	80.97	4.23

**Verifica sezioni traverso [Combinazione n° 28 - SLE (Rara)]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-9.27	79.87	5.65	5.65	76.12	20.92	4.04
2	0.48	-0.60	55.53	5.65	5.65	3.65	5.76	0.44
3	0.91	2.40	47.53	5.65	5.65	8.61	3.44	0.90
4	1.34	-1.44	57.61	5.65	5.65	2.34	7.42	0.63
5	1.74	-9.69	81.98	5.65	5.65	80.82	21.60	4.23

## 20.6 RISULTATI VERIFICHE (GEO)

Il software esegue in automatico tutte le verifiche geotecniche sia allo stato limite ultimo che allo stato limite di esercizio. I criteri generali di verifica adottati dal Software sono quelli esposti al Capitolo 8.

### 20.6.1 Verifica a Stato limite di esercizio

Nei paragrafi seguenti sono riportati i tabulati con le pressioni di contatto fondazione-terreno e i cedimenti attesi.

#### 20.6.1.1 Pressioni di contatto fondazione-terreno

Le pressioni di contatto terreno-fondazione sono ricavate con riferimento all'involuppo dello Stato limite di esercizio.

##### Involuppo pressioni sul terreno di fondazione

X [m]	$\sigma_{\min}$ [MPa]	$\sigma_{\max}$ [MPa]
0.08	0.071	0.138
0.48	0.080	0.145
0.91	0.090	0.152
1.34	0.090	0.160
1.74	0.090	0.167

#### 20.6.1.2 Cedimenti attesi

I cedimenti attesi sono ricavati per la fondazione con riferimento alla combinazione rara dello Stato limite di esercizio.

##### Spostamenti fondazione (Combinazione n° 22)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	0.778	4.333
0.48	0.444	4.519
0.91	0.387	4.722
1.34	0.447	4.937
1.74	0.815	5.148

##### Spostamenti fondazione (Combinazione n° 23)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	0.775	4.334
0.48	0.443	4.519
0.91	0.387	4.722
1.34	0.447	4.937
1.74	0.818	5.149

##### Spostamenti fondazione (Combinazione n° 27)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	0.792	4.328
0.48	0.445	4.520
0.91	0.389	4.723
1.34	0.448	4.937
1.74	0.804	5.144

##### Spostamenti fondazione (Combinazione n° 28)

X [m]	$u_x$ [cm]	$u_y$ [cm]
0.08	0.788	4.330
0.48	0.445	4.520
0.91	0.388	4.723
1.34	0.448	4.937
1.74	0.807	5.145

### 20.6.1.3 Verifica a carico limite

Nel paragrafo seguente sono riportati i tabulati con la verifica a carico limite.

La verifica a carico limite è stata eseguita in automatico dal software di calcolo attraverso l'utilizzo della formula di Meyerhof, come già specificato in precedenza; nel seguito si riportano i risultati ottenuti per il caso in esame:

## Verifiche geotecniche

### Simbologia adottata

*IC* Indice della combinazione

*N<sub>c</sub>, N<sub>q</sub>, N<sub>γ</sub>* Fattori di capacità portante

*N<sub>c</sub>, N<sub>q</sub>, N<sub>γ</sub>* Fattori di capacità portante corretti per effetto forma, inclinazione del carico, affondamento, etc.

*q<sub>u</sub>* Portanza ultima del terreno, espressa in [MPa]

*Q<sub>v</sub>* Portanza ultima del terreno, espressa in [kN]/m

*Q<sub>y</sub>* Carico verticale al piano di posa, espressa in [kN]/m

*FS* Fattore di sicurezza a carico limite

IC	N <sub>c</sub>	N <sub>q</sub>	N <sub>γ</sub>	N' <sub>c</sub>	N' <sub>q</sub>	N' <sub>γ</sub>	q <sub>u</sub>	Q <sub>v</sub>	Q <sub>y</sub>	FS
1	16.88	7.82	4.07	32.36	11.36	5.91	1.420	2583.62	177.91	14.52
2	13.03	5.21	1.97	24.04	7.39	2.79	0.898	1634.62	136.86	11.94
3	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
4	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
5	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
6	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
7	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
8	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
9	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
10	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
11	16.88	7.82	4.07	28.29	10.06	3.59	1.126	2048.94	136.41	15.02
12	16.88	7.82	4.07	28.31	10.07	3.60	1.127	2051.92	137.30	14.94
13	13.03	5.21	1.97	21.00	6.53	1.45	0.708	1288.57	137.30	9.38
14	13.03	5.21	1.97	20.98	6.52	1.44	0.707	1286.62	136.41	9.43
15	16.88	7.82	4.07	28.29	10.06	3.59	1.126	2048.94	136.41	15.02
16	16.88	7.82	4.07	28.31	10.07	3.60	1.127	2051.92	137.30	14.94
17	13.03	5.21	1.97	21.00	6.53	1.45	0.708	1288.57	137.30	9.38
18	13.03	5.21	1.97	20.98	6.52	1.44	0.707	1286.62	136.41	9.43

# ALLEGATI



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**TABULATI DI INPUT E OUTPUT POZZETTO TIPO 1**

SAP2000 v14.0.0 4/19/22 18:02:52

Table: Area Loads - Gravity

Area	LoadPat	CoordSys	MultiplierX	MultiplierY	MultiplierZ
2	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
3	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
4	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
5	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
6	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
7	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
8	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
9	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
10	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
11	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
12	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
13	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
14	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
15	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
16	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
17	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
18	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
19	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
20	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
21	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
22	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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24	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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27	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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29	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
30	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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32	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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60	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
61	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

62	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
63	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

131	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

200	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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278	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
279	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
280	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
281	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
282	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
283	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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285	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
286	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
287	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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289	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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292	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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297	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
298	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
299	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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301	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
302	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
303	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
304	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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306	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
307	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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312	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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314	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
315	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
316	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
317	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
318	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
319	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
320	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
321	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
322	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
323	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
324	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
325	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
326	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
327	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
328	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
329	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
330	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
331	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
332	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
333	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
334	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
335	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
336	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
337	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

338	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
339	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
340	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
341	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
342	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
343	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
344	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
345	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
346	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
347	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
348	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
349	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
350	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
351	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
352	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
353	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
354	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
355	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
356	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
357	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
358	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
359	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
360	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
361	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
362	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
363	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
364	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
365	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
366	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
367	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
368	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
369	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
370	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
371	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
372	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
373	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
374	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
375	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
376	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
377	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
378	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
379	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
380	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
381	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
382	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
383	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
384	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
385	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
386	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
387	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
388	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
389	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
390	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
391	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
392	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
393	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
394	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
395	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
396	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
397	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
398	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
399	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
400	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
401	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
402	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
403	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
404	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
405	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
406	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

407	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
408	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
409	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
410	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
411	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
412	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
413	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
414	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
415	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
416	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
417	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
418	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
419	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
420	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
421	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
422	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
423	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
424	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
425	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
426	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
427	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
428	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
429	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
430	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
431	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
432	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
433	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
434	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
435	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
436	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
437	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
438	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
439	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
440	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
441	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
442	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
443	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
444	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
445	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
446	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
447	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
448	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
449	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
450	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
451	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
452	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
453	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
454	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
455	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
456	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
457	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
458	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
459	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
460	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
461	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
462	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
463	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
464	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
465	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
466	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
467	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
468	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
469	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
470	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
471	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
472	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
473	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
474	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
475	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

476	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
477	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
478	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
479	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
480	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
481	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
482	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
483	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
484	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
485	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
486	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
487	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
488	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
489	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
490	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
491	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
492	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
493	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
494	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
495	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
496	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
497	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
498	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
499	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
500	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
501	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
502	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
503	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
504	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
505	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
506	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
507	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
508	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
509	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
510	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
511	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
512	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
513	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
514	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
515	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
516	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
517	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
518	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
519	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
520	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
521	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
522	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
523	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
524	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
525	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
526	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
527	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
528	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
529	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
530	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
531	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
532	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
533	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure KN/m2	JtPattern
2	STATICA	Top	-1.00	STATICA
3	STATICA	Top	-1.00	STATICA
4	STATICA	Top	-1.00	STATICA
5	STATICA	Top	-1.00	STATICA



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

6	STATICA	Top	-1.00	STATICA
7	STATICA	Top	-1.00	STATICA
8	STATICA	Top	-1.00	STATICA
9	STATICA	Top	-1.00	STATICA
10	STATICA	Top	-1.00	STATICA
11	STATICA	Top	-1.00	STATICA
12	STATICA	Top	-1.00	STATICA
13	STATICA	Top	-1.00	STATICA
14	STATICA	Top	-1.00	STATICA
15	STATICA	Top	-1.00	STATICA
16	STATICA	Top	-1.00	STATICA
17	STATICA	Top	-1.00	STATICA
18	STATICA	Top	-1.00	STATICA
19	STATICA	Top	-1.00	STATICA
20	STATICA	Top	-1.00	STATICA
21	STATICA	Top	-1.00	STATICA
22	STATICA	Top	-1.00	STATICA
23	STATICA	Top	-1.00	STATICA
24	STATICA	Top	-1.00	STATICA
25	STATICA	Top	-1.00	STATICA
26	STATICA	Top	-1.00	STATICA
27	STATICA	Top	-1.00	STATICA
28	STATICA	Top	-1.00	STATICA
29	STATICA	Top	-1.00	STATICA
30	STATICA	Top	-1.00	STATICA
31	STATICA	Top	-1.00	STATICA
32	STATICA	Top	-1.00	STATICA
33	STATICA	Top	-1.00	STATICA
34	STATICA	Top	-1.00	STATICA
35	STATICA	Top	-1.00	STATICA
36	STATICA	Top	-1.00	STATICA
37	STATICA	Top	-1.00	STATICA
38	STATICA	Top	-1.00	STATICA
39	STATICA	Top	-1.00	STATICA
40	STATICA	Top	-1.00	STATICA
41	STATICA	Top	-1.00	STATICA
42	STATICA	Top	-1.00	STATICA
43	STATICA	Top	-1.00	STATICA
44	STATICA	Top	-1.00	STATICA
45	STATICA	Top	-1.00	STATICA
46	STATICA	Top	-1.00	STATICA
47	STATICA	Top	-1.00	STATICA
48	STATICA	Top	-1.00	STATICA
49	STATICA	Top	-1.00	STATICA
50	STATICA	Top	-1.00	STATICA
51	STATICA	Top	-1.00	STATICA
52	STATICA	Top	-1.00	STATICA
53	STATICA	Top	-1.00	STATICA
54	STATICA	Top	-1.00	STATICA
55	STATICA	Top	-1.00	STATICA
56	STATICA	Top	-1.00	STATICA
57	STATICA	Top	-1.00	STATICA
58	STATICA	Top	-1.00	STATICA
59	STATICA	Top	-1.00	STATICA
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61	STATICA	Top	-1.00	STATICA
62	STATICA	Top	-1.00	STATICA
63	STATICA	Top	-1.00	STATICA
64	STATICA	Top	-1.00	STATICA
65	STATICA	Top	-1.00	STATICA
66	STATICA	Top	-1.00	STATICA
67	STATICA	Top	-1.00	STATICA
68	STATICA	Top	-1.00	STATICA
69	STATICA	Top	-1.00	STATICA
70	STATICA	Top	-1.00	STATICA
71	STATICA	Top	-1.00	STATICA
72	STATICA	Top	-1.00	STATICA
73	STATICA	Top	-1.00	STATICA
74	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

75	STATICA	Top	-1.00	STATICA
76	STATICA	Top	-1.00	STATICA
77	STATICA	Top	-1.00	STATICA
78	STATICA	Top	-1.00	STATICA
79	STATICA	Top	-1.00	STATICA
80	STATICA	Top	-1.00	STATICA
81	STATICA	Top	-1.00	STATICA
82	STATICA	Top	-1.00	STATICA
83	STATICA	Top	-1.00	STATICA
84	STATICA	Top	-1.00	STATICA
85	STATICA	Top	-1.00	STATICA
86	STATICA	Top	-1.00	STATICA
87	STATICA	Top	-1.00	STATICA
88	STATICA	Top	-1.00	STATICA
89	STATICA	Top	-1.00	STATICA
90	STATICA	Top	-1.00	STATICA
91	STATICA	Top	-1.00	STATICA
92	STATICA	Top	-1.00	STATICA
93	STATICA	Top	-1.00	STATICA
94	STATICA	Top	-1.00	STATICA
95	STATICA	Top	-1.00	STATICA
96	STATICA	Top	-1.00	STATICA
97	STATICA	Top	-1.00	STATICA
98	STATICA	Top	-1.00	STATICA
99	STATICA	Top	-1.00	STATICA
100	STATICA	Top	-1.00	STATICA
101	STATICA	Top	-1.00	STATICA
102	STATICA	Top	-1.00	STATICA
103	STATICA	Top	-1.00	STATICA
104	STATICA	Top	-1.00	STATICA
105	STATICA	Top	-1.00	STATICA
106	STATICA	Top	-1.00	STATICA
107	STATICA	Top	-1.00	STATICA
108	STATICA	Top	-1.00	STATICA
109	STATICA	Top	-1.00	STATICA
110	STATICA	Top	-1.00	STATICA
111	STATICA	Top	-1.00	STATICA
112	STATICA	Top	-1.00	STATICA
113	STATICA	Top	-1.00	STATICA
114	STATICA	Top	-1.00	STATICA
115	STATICA	Top	-1.00	STATICA
116	STATICA	Top	-1.00	STATICA
117	STATICA	Top	-1.00	STATICA
118	STATICA	Top	-1.00	STATICA
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143	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

144	STATICA	Top	-1.00	STATICA
145	STATICA	Top	-1.00	STATICA
146	STATICA	Top	-1.00	STATICA
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

213	STATICA	Top	-1.00	STATICA
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

282	STATICA	Top	-1.00	STATICA
283	STATICA	Top	-1.00	STATICA
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

351	STATICA	Top	-1.00	STATICA
352	STATICA	Top	-1.00	STATICA
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419	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

420	STATICA	Top	-1.00	STATICA
421	STATICA	Top	-1.00	STATICA
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487	STATICA	Top	-1.00	STATICA
488	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

489	STATICA	Top	-1.00	STATICA
490	STATICA	Top	-1.00	STATICA
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492	STATICA	Top	-1.00	STATICA
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531	STATICA	Top	-1.00	STATICA
532	STATICA	Top	-1.00	STATICA
533	STATICA	Top	-1.00	STATICA

Table: Area Loads - Uniform

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2
2	SISMICA	GLOBAL	Y	-52.07
2	SOVRAC STATICO	GLOBAL	Y	-6.25
3	SISMICA	GLOBAL	Y	-52.07
3	SOVRAC STATICO	GLOBAL	Y	-6.25
4	SISMICA	GLOBAL	Y	-52.07
4	SOVRAC STATICO	GLOBAL	Y	-6.25
5	SISMICA	GLOBAL	Y	-52.07
5	SOVRAC STATICO	GLOBAL	Y	-6.25
6	SISMICA	GLOBAL	Y	-52.07
6	SOVRAC STATICO	GLOBAL	Y	-6.25
7	SISMICA	GLOBAL	Y	-52.07
7	SOVRAC STATICO	GLOBAL	Y	-6.25
8	SISMICA	GLOBAL	Y	-52.07
8	SOVRAC STATICO	GLOBAL	Y	-6.25
9	SISMICA	GLOBAL	Y	-52.07
9	SOVRAC STATICO	GLOBAL	Y	-6.25
10	SISMICA	GLOBAL	Y	-52.07



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

10	SOVRAC	STATICO	GLOBAL	Y	-6.25
11		SISMICA	GLOBAL	Y	-52.07
11	SOVRAC	STATICO	GLOBAL	Y	-6.25
12		SISMICA	GLOBAL	Y	-52.07
12	SOVRAC	STATICO	GLOBAL	Y	-6.25
13		SISMICA	GLOBAL	Y	-52.07
13	SOVRAC	STATICO	GLOBAL	Y	-6.25
14		SISMICA	GLOBAL	Y	-52.07
14	SOVRAC	STATICO	GLOBAL	Y	-6.25
15		SISMICA	GLOBAL	Y	-52.07
15	SOVRAC	STATICO	GLOBAL	Y	-6.25
16		SISMICA	GLOBAL	Y	-52.07
16	SOVRAC	STATICO	GLOBAL	Y	-6.25
17		SISMICA	GLOBAL	Y	-52.07
17	SOVRAC	STATICO	GLOBAL	Y	-6.25
18		SISMICA	GLOBAL	Y	-52.07
18	SOVRAC	STATICO	GLOBAL	Y	-6.25
19		SISMICA	GLOBAL	Y	-52.07
19	SOVRAC	STATICO	GLOBAL	Y	-6.25
20		SISMICA	GLOBAL	Y	-52.07
20	SOVRAC	STATICO	GLOBAL	Y	-6.25
21		SISMICA	GLOBAL	Y	-52.07
21	SOVRAC	STATICO	GLOBAL	Y	-6.25
22		SISMICA	GLOBAL	Y	-52.07
22	SOVRAC	STATICO	GLOBAL	Y	-6.25
23		SISMICA	GLOBAL	Y	-52.07
23	SOVRAC	STATICO	GLOBAL	Y	-6.25
24		SISMICA	GLOBAL	Y	-52.07
24	SOVRAC	STATICO	GLOBAL	Y	-6.25
25		SISMICA	GLOBAL	Y	-52.07
25	SOVRAC	STATICO	GLOBAL	Y	-6.25
26		SISMICA	GLOBAL	Y	-52.07
26	SOVRAC	STATICO	GLOBAL	Y	-6.25
27		SISMICA	GLOBAL	Y	-52.07
27	SOVRAC	STATICO	GLOBAL	Y	-6.25
28		SISMICA	GLOBAL	Y	-52.07
28	SOVRAC	STATICO	GLOBAL	Y	-6.25
29		SISMICA	GLOBAL	Y	-52.07
29	SOVRAC	STATICO	GLOBAL	Y	-6.25
30		SISMICA	GLOBAL	Y	-52.07
30	SOVRAC	STATICO	GLOBAL	Y	-6.25
31		SISMICA	GLOBAL	Y	-52.07
31	SOVRAC	STATICO	GLOBAL	Y	-6.25
32		SISMICA	GLOBAL	Y	-52.07
32	SOVRAC	STATICO	GLOBAL	Y	-6.25
33		SISMICA	GLOBAL	Y	-52.07
33	SOVRAC	STATICO	GLOBAL	Y	-6.25
34		SISMICA	GLOBAL	Y	-52.07
34	SOVRAC	STATICO	GLOBAL	Y	-6.25
35		SISMICA	GLOBAL	Y	-52.07
35	SOVRAC	STATICO	GLOBAL	Y	-6.25
36		SISMICA	GLOBAL	Y	-52.07
36	SOVRAC	STATICO	GLOBAL	Y	-6.25
37		SISMICA	GLOBAL	Y	-52.07
37	SOVRAC	STATICO	GLOBAL	Y	-6.25
38		SISMICA	GLOBAL	Y	-52.07
38	SOVRAC	STATICO	GLOBAL	Y	-6.25
39		SISMICA	GLOBAL	Y	-52.07
39	SOVRAC	STATICO	GLOBAL	Y	-6.25
40		SISMICA	GLOBAL	Y	-52.07
40	SOVRAC	STATICO	GLOBAL	Y	-6.25
41		SISMICA	GLOBAL	Y	-52.07
41	SOVRAC	STATICO	GLOBAL	Y	-6.25
42		SISMICA	GLOBAL	Y	-52.07
42	SOVRAC	STATICO	GLOBAL	Y	-6.25
43		SISMICA	GLOBAL	Y	-52.07
43	SOVRAC	STATICO	GLOBAL	Y	-6.25
44		SISMICA	GLOBAL	Y	-52.07
44	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

45	SISMICA	GLOBAL	Y	-52.07
45	SOVRAC STATICO	GLOBAL	Y	-6.25
46	SISMICA	GLOBAL	Y	-52.07
46	SOVRAC STATICO	GLOBAL	Y	-6.25
47	SISMICA	GLOBAL	Y	-52.07
47	SOVRAC STATICO	GLOBAL	Y	-6.25
48	SISMICA	GLOBAL	Y	-52.07
48	SOVRAC STATICO	GLOBAL	Y	-6.25
49	SISMICA	GLOBAL	Y	-52.07
49	SOVRAC STATICO	GLOBAL	Y	-6.25
50	SISMICA	GLOBAL	Y	-52.07
50	SOVRAC STATICO	GLOBAL	Y	-6.25
51	SISMICA	GLOBAL	Y	-52.07
51	SOVRAC STATICO	GLOBAL	Y	-6.25
52	SISMICA	GLOBAL	Y	-52.07
52	SOVRAC STATICO	GLOBAL	Y	-6.25
53	SISMICA	GLOBAL	Y	-52.07
53	SOVRAC STATICO	GLOBAL	Y	-6.25
54	SISMICA	GLOBAL	Y	-52.07
54	SOVRAC STATICO	GLOBAL	Y	-6.25
55	SISMICA	GLOBAL	Y	-52.07
55	SOVRAC STATICO	GLOBAL	Y	-6.25
56	SISMICA	GLOBAL	Y	-52.07
56	SOVRAC STATICO	GLOBAL	Y	-6.25
57	SISMICA	GLOBAL	Y	-52.07
57	SOVRAC STATICO	GLOBAL	Y	-6.25
58	SISMICA	GLOBAL	Y	-52.07
58	SOVRAC STATICO	GLOBAL	Y	-6.25
59	SISMICA	GLOBAL	Y	-52.07
59	SOVRAC STATICO	GLOBAL	Y	-6.25
60	SISMICA	GLOBAL	Y	-52.07
60	SOVRAC STATICO	GLOBAL	Y	-6.25
61	SISMICA	GLOBAL	Y	-52.07
61	SOVRAC STATICO	GLOBAL	Y	-6.25
62	SISMICA	GLOBAL	Y	-52.07
62	SOVRAC STATICO	GLOBAL	Y	-6.25
63	SISMICA	GLOBAL	Y	-52.07
63	SOVRAC STATICO	GLOBAL	Y	-6.25
64	SISMICA	GLOBAL	Y	-52.07
64	SOVRAC STATICO	GLOBAL	Y	-6.25
65	SISMICA	GLOBAL	Y	-52.07
65	SOVRAC STATICO	GLOBAL	Y	-6.25
66	SISMICA	GLOBAL	Y	-52.07
66	SOVRAC STATICO	GLOBAL	Y	-6.25
67	SISMICA	GLOBAL	Y	-52.07
67	SOVRAC STATICO	GLOBAL	Y	-6.25
68	SISMICA	GLOBAL	Y	-52.07
68	SOVRAC STATICO	GLOBAL	Y	-6.25
69	SISMICA	GLOBAL	Y	-52.07
69	SOVRAC STATICO	GLOBAL	Y	-6.25
70	SISMICA	GLOBAL	Y	-52.07
70	SOVRAC STATICO	GLOBAL	Y	-6.25
71	SISMICA	GLOBAL	Y	-52.07
71	SOVRAC STATICO	GLOBAL	Y	-6.25
72	SISMICA	GLOBAL	Y	-52.07
72	SOVRAC STATICO	GLOBAL	Y	-6.25
73	SISMICA	GLOBAL	Y	-52.07
73	SOVRAC STATICO	GLOBAL	Y	-6.25
74	SISMICA	GLOBAL	Y	-52.07
74	SOVRAC STATICO	GLOBAL	Y	-6.25
75	SISMICA	GLOBAL	Y	-52.07
75	SOVRAC STATICO	GLOBAL	Y	-6.25
76	SISMICA	GLOBAL	Y	-52.07
76	SOVRAC STATICO	GLOBAL	Y	-6.25
77	SISMICA	GLOBAL	Y	-52.07
77	SOVRAC STATICO	GLOBAL	Y	-6.25
78	SISMICA	GLOBAL	Y	-52.07
78	SOVRAC STATICO	GLOBAL	Y	-6.25
79	SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

79	SOVRAC	STATICO	GLOBAL	Y	-6.25
80		SISMICA	GLOBAL	Y	-52.07
80	SOVRAC	STATICO	GLOBAL	Y	-6.25
81		SISMICA	GLOBAL	Y	-52.07
81	SOVRAC	STATICO	GLOBAL	Y	-6.25
82		SISMICA	GLOBAL	Y	-52.07
82	SOVRAC	STATICO	GLOBAL	Y	-6.25
83		SISMICA	GLOBAL	Y	-52.07
83	SOVRAC	STATICO	GLOBAL	Y	-6.25
84		SISMICA	GLOBAL	Y	-52.07
84	SOVRAC	STATICO	GLOBAL	Y	-6.25
85		SISMICA	GLOBAL	Y	-52.07
85	SOVRAC	STATICO	GLOBAL	Y	-6.25
86		SISMICA	GLOBAL	Y	-52.07
86	SOVRAC	STATICO	GLOBAL	Y	-6.25
87		SISMICA	GLOBAL	Y	-52.07
87	SOVRAC	STATICO	GLOBAL	Y	-6.25
88		SISMICA	GLOBAL	Y	-52.07
88	SOVRAC	STATICO	GLOBAL	Y	-6.25
89		SISMICA	GLOBAL	Y	-52.07
89	SOVRAC	STATICO	GLOBAL	Y	-6.25
90		SISMICA	GLOBAL	Y	-52.07
90	SOVRAC	STATICO	GLOBAL	Y	-6.25
91		SISMICA	GLOBAL	Y	-52.07
91	SOVRAC	STATICO	GLOBAL	Y	-6.25
92		SISMICA	GLOBAL	Y	-52.07
92	SOVRAC	STATICO	GLOBAL	Y	-6.25
93		SISMICA	GLOBAL	Y	-52.07
93	SOVRAC	STATICO	GLOBAL	Y	-6.25
94		SISMICA	GLOBAL	Y	-52.07
94	SOVRAC	STATICO	GLOBAL	Y	-6.25
95		SISMICA	GLOBAL	Y	-52.07
95	SOVRAC	STATICO	GLOBAL	Y	-6.25
96		SISMICA	GLOBAL	Y	-52.07
96	SOVRAC	STATICO	GLOBAL	Y	-6.25
97		SISMICA	GLOBAL	Y	-52.07
97	SOVRAC	STATICO	GLOBAL	Y	-6.25
98		SISMICA	GLOBAL	Y	-52.07
98	SOVRAC	STATICO	GLOBAL	Y	-6.25
99		SISMICA	GLOBAL	Y	-52.07
99	SOVRAC	STATICO	GLOBAL	Y	-6.25
100		SISMICA	GLOBAL	Y	-52.07
100	SOVRAC	STATICO	GLOBAL	Y	-6.25
101		SISMICA	GLOBAL	Y	-52.07
101	SOVRAC	STATICO	GLOBAL	Y	-6.25
102		SISMICA	GLOBAL	Y	-52.07
102	SOVRAC	STATICO	GLOBAL	Y	-6.25
103		SISMICA	GLOBAL	Y	-52.07
103	SOVRAC	STATICO	GLOBAL	Y	-6.25
104		SISMICA	GLOBAL	Y	-52.07
104	SOVRAC	STATICO	GLOBAL	Y	-6.25
105		SISMICA	GLOBAL	Y	-52.07
105	SOVRAC	STATICO	GLOBAL	Y	-6.25
106		SISMICA	GLOBAL	Y	-52.07
106	SOVRAC	STATICO	GLOBAL	Y	-6.25
107		SISMICA	GLOBAL	Y	-52.07
107	SOVRAC	STATICO	GLOBAL	Y	-6.25
108		SISMICA	GLOBAL	Y	-52.07
108	SOVRAC	STATICO	GLOBAL	Y	-6.25
109		SISMICA	GLOBAL	Y	-52.07
109	SOVRAC	STATICO	GLOBAL	Y	-6.25
110		SISMICA	GLOBAL	Y	-52.07
110	SOVRAC	STATICO	GLOBAL	Y	-6.25
111		SISMICA	GLOBAL	Y	-52.07
111	SOVRAC	STATICO	GLOBAL	Y	-6.25
112		SISMICA	GLOBAL	Y	-52.07
112	SOVRAC	STATICO	GLOBAL	Y	-6.25
113		SISMICA	GLOBAL	Y	-52.07
113	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

114	SISMICA	GLOBAL	Y	-52.07
114	SOVRAC STATICO	GLOBAL	Y	-6.25
115	SISMICA	GLOBAL	Y	-52.07
115	SOVRAC STATICO	GLOBAL	Y	-6.25
116	SISMICA	GLOBAL	Y	-52.07
116	SOVRAC STATICO	GLOBAL	Y	-6.25
117	SISMICA	GLOBAL	Y	-52.07
117	SOVRAC STATICO	GLOBAL	Y	-6.25
118	SISMICA	GLOBAL	Y	-52.07
118	SOVRAC STATICO	GLOBAL	Y	-6.25
119	SISMICA	GLOBAL	Y	-52.07
119	SOVRAC STATICO	GLOBAL	Y	-6.25
120	SISMICA	GLOBAL	Y	-52.07
120	SOVRAC STATICO	GLOBAL	Y	-6.25
121	SISMICA	GLOBAL	Y	-52.07
121	SOVRAC STATICO	GLOBAL	Y	-6.25
122	SISMICA	GLOBAL	Y	-52.07
122	SOVRAC STATICO	GLOBAL	Y	-6.25
123	SISMICA	GLOBAL	Y	-52.07
123	SOVRAC STATICO	GLOBAL	Y	-6.25
124	SISMICA	GLOBAL	Y	-52.07
124	SOVRAC STATICO	GLOBAL	Y	-6.25
125	SISMICA	GLOBAL	Y	-52.07
125	SOVRAC STATICO	GLOBAL	Y	-6.25
126	SISMICA	GLOBAL	Y	-52.07
126	SOVRAC STATICO	GLOBAL	Y	-6.25
127	SISMICA	GLOBAL	Y	-52.07
127	SOVRAC STATICO	GLOBAL	Y	-6.25
128	SISMICA	GLOBAL	Y	-52.07
128	SOVRAC STATICO	GLOBAL	Y	-6.25
129	SISMICA	GLOBAL	Y	-52.07
129	SOVRAC STATICO	GLOBAL	Y	-6.25
130	SISMICA	GLOBAL	Y	-52.07
130	SOVRAC STATICO	GLOBAL	Y	-6.25
131	SISMICA	GLOBAL	Y	-52.07
131	SOVRAC STATICO	GLOBAL	Y	-6.25
132	SISMICA	GLOBAL	Y	-52.07
132	SOVRAC STATICO	GLOBAL	Y	-6.25
133	SISMICA	GLOBAL	Y	-52.07
133	SOVRAC STATICO	GLOBAL	Y	-6.25
134	SISMICA	GLOBAL	Y	-52.07
134	SOVRAC STATICO	GLOBAL	Y	-6.25
135	SISMICA	GLOBAL	Y	-52.07
135	SOVRAC STATICO	GLOBAL	Y	-6.25
136	SISMICA	GLOBAL	Y	-52.07
136	SOVRAC STATICO	GLOBAL	Y	-6.25
137	SISMICA	GLOBAL	Y	-52.07
137	SOVRAC STATICO	GLOBAL	Y	-6.25
138	SISMICA	GLOBAL	Y	-52.07
138	SOVRAC STATICO	GLOBAL	Y	-6.25
139	SISMICA	GLOBAL	Y	-52.07
139	SOVRAC STATICO	GLOBAL	Y	-6.25
140	SISMICA	GLOBAL	Y	-52.07
140	SOVRAC STATICO	GLOBAL	Y	-6.25
141	SISMICA	GLOBAL	Y	-52.07
141	SOVRAC STATICO	GLOBAL	Y	-6.25
142	SISMICA	GLOBAL	Y	-52.07
142	SOVRAC STATICO	GLOBAL	Y	-6.25
143	SISMICA	GLOBAL	Y	-52.07
143	SOVRAC STATICO	GLOBAL	Y	-6.25
144	SISMICA	GLOBAL	Y	-52.07
144	SOVRAC STATICO	GLOBAL	Y	-6.25
145	SISMICA	GLOBAL	Y	-52.07
145	SOVRAC STATICO	GLOBAL	Y	-6.25
146	SISMICA	GLOBAL	Y	-52.07
146	SOVRAC STATICO	GLOBAL	Y	-6.25
147	SISMICA	GLOBAL	Y	-52.07
147	SOVRAC STATICO	GLOBAL	Y	-6.25
148	SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

148	SOVRAC	STATICO	GLOBAL	Y	-6.25
149		SISMICA	GLOBAL	Y	-52.07
149	SOVRAC	STATICO	GLOBAL	Y	-6.25
150		SISMICA	GLOBAL	Y	-52.07
150	SOVRAC	STATICO	GLOBAL	Y	-6.25
151		SISMICA	GLOBAL	Y	-52.07
151	SOVRAC	STATICO	GLOBAL	Y	-6.25
152		SISMICA	GLOBAL	Y	-52.07
152	SOVRAC	STATICO	GLOBAL	Y	-6.25
153		SISMICA	GLOBAL	Y	-52.07
153	SOVRAC	STATICO	GLOBAL	Y	-6.25
154		SISMICA	GLOBAL	Y	-52.07
154	SOVRAC	STATICO	GLOBAL	Y	-6.25
155		SISMICA	GLOBAL	Y	-52.07
155	SOVRAC	STATICO	GLOBAL	Y	-6.25
156		SISMICA	GLOBAL	Y	-52.07
156	SOVRAC	STATICO	GLOBAL	Y	-6.25
157		SISMICA	GLOBAL	Y	-52.07
157	SOVRAC	STATICO	GLOBAL	Y	-6.25
158		SISMICA	GLOBAL	Y	-52.07
158	SOVRAC	STATICO	GLOBAL	Y	-6.25
159		SISMICA	GLOBAL	Y	-52.07
159	SOVRAC	STATICO	GLOBAL	Y	-6.25
160		SISMICA	GLOBAL	Y	-52.07
160	SOVRAC	STATICO	GLOBAL	Y	-6.25
161		SISMICA	GLOBAL	Y	-52.07
161	SOVRAC	STATICO	GLOBAL	Y	-6.25
162		SISMICA	GLOBAL	Y	-52.07
162	SOVRAC	STATICO	GLOBAL	Y	-6.25
163		SISMICA	GLOBAL	Y	-52.07
163	SOVRAC	STATICO	GLOBAL	Y	-6.25
164		SISMICA	GLOBAL	Y	-52.07
164	SOVRAC	STATICO	GLOBAL	Y	-6.25
165		SISMICA	GLOBAL	Y	-52.07
165	SOVRAC	STATICO	GLOBAL	Y	-6.25
166		SISMICA	GLOBAL	Y	-52.07
166	SOVRAC	STATICO	GLOBAL	Y	-6.25
167		SISMICA	GLOBAL	Y	-52.07
167	SOVRAC	STATICO	GLOBAL	Y	-6.25
168		SISMICA	GLOBAL	Y	-52.07
168	SOVRAC	STATICO	GLOBAL	Y	-6.25
169		SISMICA	GLOBAL	Y	-52.07
169	SOVRAC	STATICO	GLOBAL	Y	-6.25
170		SISMICA	GLOBAL	Y	-52.07
170	SOVRAC	STATICO	GLOBAL	Y	-6.25
171		SISMICA	GLOBAL	Y	-52.07
171	SOVRAC	STATICO	GLOBAL	Y	-6.25
172		SISMICA	GLOBAL	Y	-52.07
172	SOVRAC	STATICO	GLOBAL	Y	-6.25
173		SISMICA	GLOBAL	Y	-52.07
173	SOVRAC	STATICO	GLOBAL	Y	-6.25
174		SISMICA	GLOBAL	Y	-52.07
174	SOVRAC	STATICO	GLOBAL	Y	-6.25
175		SISMICA	GLOBAL	Y	-52.07
175	SOVRAC	STATICO	GLOBAL	Y	-6.25
176		SISMICA	GLOBAL	Y	-52.07
176	SOVRAC	STATICO	GLOBAL	Y	-6.25
177		SISMICA	GLOBAL	Y	-52.07
177	SOVRAC	STATICO	GLOBAL	Y	-6.25
178		SISMICA	GLOBAL	Y	-52.07
178	SOVRAC	STATICO	GLOBAL	Y	-6.25
179		SISMICA	GLOBAL	Y	-52.07
179	SOVRAC	STATICO	GLOBAL	Y	-6.25
180		SISMICA	GLOBAL	Y	-52.07
180	SOVRAC	STATICO	GLOBAL	Y	-6.25
181		SISMICA	GLOBAL	Y	-52.07
181	SOVRAC	STATICO	GLOBAL	Y	-6.25
182		SISMICA	GLOBAL	Y	-52.07
182	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

183		SISMICA	GLOBAL	Y	-52.07
183	SOVRAC	STATICO	GLOBAL	Y	-6.25
184		SISMICA	GLOBAL	Y	-52.07
184	SOVRAC	STATICO	GLOBAL	Y	-6.25
185		SISMICA	GLOBAL	Y	-52.07
185	SOVRAC	STATICO	GLOBAL	Y	-6.25
186		SISMICA	GLOBAL	Y	-52.07
186	SOVRAC	STATICO	GLOBAL	Y	-6.25
187		SISMICA	GLOBAL	Y	-52.07
187	SOVRAC	STATICO	GLOBAL	Y	-6.25
188		SISMICA	GLOBAL	Y	-52.07
188	SOVRAC	STATICO	GLOBAL	Y	-6.25
189		SISMICA	GLOBAL	Y	-52.07
189	SOVRAC	STATICO	GLOBAL	Y	-6.25
190		SISMICA	GLOBAL	Y	-52.07
190	SOVRAC	STATICO	GLOBAL	Y	-6.25
191		SISMICA	GLOBAL	Y	-52.07
191	SOVRAC	STATICO	GLOBAL	Y	-6.25
192		SISMICA	GLOBAL	Y	-52.07
192	SOVRAC	STATICO	GLOBAL	Y	-6.25
193		SISMICA	GLOBAL	Y	-52.07
193	SOVRAC	STATICO	GLOBAL	Y	-6.25
194		SISMICA	GLOBAL	Y	-52.07
194	SOVRAC	STATICO	GLOBAL	Y	-6.25
195		SISMICA	GLOBAL	Y	-52.07
195	SOVRAC	STATICO	GLOBAL	Y	-6.25
196		SISMICA	GLOBAL	Y	-52.07
196	SOVRAC	STATICO	GLOBAL	Y	-6.25
197		SISMICA	GLOBAL	Y	-52.07
197	SOVRAC	STATICO	GLOBAL	Y	-6.25
198		SISMICA	GLOBAL	Y	-52.07
198	SOVRAC	STATICO	GLOBAL	Y	-6.25
199		SISMICA	GLOBAL	Y	-52.07
199	SOVRAC	STATICO	GLOBAL	Y	-6.25
200		SISMICA	GLOBAL	Y	-52.07
200	SOVRAC	STATICO	GLOBAL	Y	-6.25
201		SISMICA	GLOBAL	Y	-52.07
201	SOVRAC	STATICO	GLOBAL	Y	-6.25
202		SISMICA	GLOBAL	Y	-52.07
202	SOVRAC	STATICO	GLOBAL	Y	-6.25
203		SISMICA	GLOBAL	Y	-52.07
203	SOVRAC	STATICO	GLOBAL	Y	-6.25
204		SISMICA	GLOBAL	Y	-52.07
204	SOVRAC	STATICO	GLOBAL	Y	-6.25
205		SISMICA	GLOBAL	Y	-52.07
205	SOVRAC	STATICO	GLOBAL	Y	-6.25
206		SISMICA	GLOBAL	Y	-52.07
206	SOVRAC	STATICO	GLOBAL	Y	-6.25
207		SISMICA	GLOBAL	Y	-52.07
207	SOVRAC	STATICO	GLOBAL	Y	-6.25
208		SISMICA	GLOBAL	Y	-52.07
208	SOVRAC	STATICO	GLOBAL	Y	-6.25
209		SISMICA	GLOBAL	Y	-52.07
209	SOVRAC	STATICO	GLOBAL	Y	-6.25
210		SISMICA	GLOBAL	Y	-52.07
210	SOVRAC	STATICO	GLOBAL	Y	-6.25
211		SISMICA	GLOBAL	Y	-52.07
211	SOVRAC	STATICO	GLOBAL	Y	-6.25
212		SISMICA	GLOBAL	Y	-52.07
212	SOVRAC	STATICO	GLOBAL	Y	-6.25
213		SISMICA	GLOBAL	Y	-52.07
213	SOVRAC	STATICO	GLOBAL	Y	-6.25
214		SISMICA	GLOBAL	Y	-52.07
214	SOVRAC	STATICO	GLOBAL	Y	-6.25
215		SISMICA	GLOBAL	Y	-52.07
215	SOVRAC	STATICO	GLOBAL	Y	-6.25
216		SISMICA	GLOBAL	Y	-52.07
216	SOVRAC	STATICO	GLOBAL	Y	-6.25
217		SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

217	SOVRAC	STATICO	GLOBAL	Y	-6.25
218		SISMICA	GLOBAL	Y	-52.07
218	SOVRAC	STATICO	GLOBAL	Y	-6.25
219		SISMICA	GLOBAL	Y	-52.07
219	SOVRAC	STATICO	GLOBAL	Y	-6.25
220		SISMICA	GLOBAL	Y	-52.07
220	SOVRAC	STATICO	GLOBAL	Y	-6.25
221		SISMICA	GLOBAL	Y	-52.07
221	SOVRAC	STATICO	GLOBAL	Y	-6.25
222		SISMICA	GLOBAL	Y	-52.07
222	SOVRAC	STATICO	GLOBAL	Y	-6.25
223		SISMICA	GLOBAL	Y	-52.07
223	SOVRAC	STATICO	GLOBAL	Y	-6.25
224		SISMICA	GLOBAL	Y	-52.07
224	SOVRAC	STATICO	GLOBAL	Y	-6.25
225		SISMICA	GLOBAL	Y	-52.07
225	SOVRAC	STATICO	GLOBAL	Y	-6.25
226		SISMICA	GLOBAL	Y	-52.07
226	SOVRAC	STATICO	GLOBAL	Y	-6.25
227		SISMICA	GLOBAL	Y	-52.07
227	SOVRAC	STATICO	GLOBAL	Y	-6.25
228		SISMICA	GLOBAL	Y	-52.07
228	SOVRAC	STATICO	GLOBAL	Y	-6.25
229		SISMICA	GLOBAL	Y	-52.07
229	SOVRAC	STATICO	GLOBAL	Y	-6.25
230		SISMICA	GLOBAL	Y	-52.07
230	SOVRAC	STATICO	GLOBAL	Y	-6.25
231		SISMICA	GLOBAL	Y	-52.07
231	SOVRAC	STATICO	GLOBAL	Y	-6.25
232		SISMICA	GLOBAL	Y	-52.07
232	SOVRAC	STATICO	GLOBAL	Y	-6.25
233		SISMICA	GLOBAL	Y	-52.07
233	SOVRAC	STATICO	GLOBAL	Y	-6.25
234		SISMICA	GLOBAL	Y	-52.07
234	SOVRAC	STATICO	GLOBAL	Y	-6.25
235		SISMICA	GLOBAL	Y	-52.07
235	SOVRAC	STATICO	GLOBAL	Y	-6.25
236		SISMICA	GLOBAL	Y	-52.07
236	SOVRAC	STATICO	GLOBAL	Y	-6.25
237		SISMICA	GLOBAL	Y	-52.07
237	SOVRAC	STATICO	GLOBAL	Y	-6.25
238		SISMICA	GLOBAL	Y	-52.07
238	SOVRAC	STATICO	GLOBAL	Y	-6.25
239		SISMICA	GLOBAL	Y	-52.07
239	SOVRAC	STATICO	GLOBAL	Y	-6.25
240		SISMICA	GLOBAL	Y	-52.07
240	SOVRAC	STATICO	GLOBAL	Y	-6.25
241		SISMICA	GLOBAL	Y	-52.07
241	SOVRAC	STATICO	GLOBAL	Y	-6.25
242		SISMICA	GLOBAL	Y	-52.07
242	SOVRAC	STATICO	GLOBAL	Y	-6.25
243		SISMICA	GLOBAL	Y	-52.07
243	SOVRAC	STATICO	GLOBAL	Y	-6.25
244		SISMICA	GLOBAL	Y	-52.07
244	SOVRAC	STATICO	GLOBAL	Y	-6.25
245		SISMICA	GLOBAL	Y	-52.07
245	SOVRAC	STATICO	GLOBAL	Y	-6.25
246		SISMICA	GLOBAL	Y	-52.07
246	SOVRAC	STATICO	GLOBAL	Y	-6.25
247		SISMICA	GLOBAL	Y	-52.07
247	SOVRAC	STATICO	GLOBAL	Y	-6.25
248		SISMICA	GLOBAL	Y	-52.07
248	SOVRAC	STATICO	GLOBAL	Y	-6.25
249		SISMICA	GLOBAL	Y	-52.07
249	SOVRAC	STATICO	GLOBAL	Y	-6.25
250		SISMICA	GLOBAL	Y	-52.07
250	SOVRAC	STATICO	GLOBAL	Y	-6.25
251		SISMICA	GLOBAL	Y	-52.07
251	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

252	SISMICA	GLOBAL	Y	-52.07
252	SOVRAC STATICO	GLOBAL	Y	-6.25
253	SISMICA	GLOBAL	Y	-52.07
253	SOVRAC STATICO	GLOBAL	Y	-6.25
254	SISMICA	GLOBAL	Y	-52.07
254	SOVRAC STATICO	GLOBAL	Y	-6.25
255	SISMICA	GLOBAL	Y	-52.07
255	SOVRAC STATICO	GLOBAL	Y	-6.25
256	SISMICA	GLOBAL	Y	-52.07
256	SOVRAC STATICO	GLOBAL	Y	-6.25
257	SISMICA	GLOBAL	Y	-52.07
257	SOVRAC STATICO	GLOBAL	Y	-6.25
258	SISMICA	GLOBAL	Y	-52.07
258	SOVRAC STATICO	GLOBAL	Y	-6.25
259	SISMICA	GLOBAL	Y	-52.07
259	SOVRAC STATICO	GLOBAL	Y	-6.25
260	SISMICA	GLOBAL	Y	-52.07
260	SOVRAC STATICO	GLOBAL	Y	-6.25
261	SISMICA	GLOBAL	Y	-52.07
261	SOVRAC STATICO	GLOBAL	Y	-6.25
262	SISMICA	GLOBAL	Y	-52.07
262	SOVRAC STATICO	GLOBAL	Y	-6.25
263	SISMICA	GLOBAL	Y	-52.07
263	SOVRAC STATICO	GLOBAL	Y	-6.25
264	SISMICA	GLOBAL	Y	-52.07
264	SOVRAC STATICO	GLOBAL	Y	-6.25
265	SISMICA	GLOBAL	Y	-52.07
265	SOVRAC STATICO	GLOBAL	Y	-6.25
266	SISMICA	GLOBAL	Y	-52.07
266	SOVRAC STATICO	GLOBAL	Y	-6.25
267	SISMICA	GLOBAL	Y	-52.07
267	SOVRAC STATICO	GLOBAL	Y	-6.25
268	SISMICA	GLOBAL	Y	-52.07
268	SOVRAC STATICO	GLOBAL	Y	-6.25
269	SISMICA	GLOBAL	Y	-52.07
269	SOVRAC STATICO	GLOBAL	Y	-6.25
270	SISMICA	GLOBAL	Y	-52.07
270	SOVRAC STATICO	GLOBAL	Y	-6.25
271	SISMICA	GLOBAL	Y	-52.07
271	SOVRAC STATICO	GLOBAL	Y	-6.25
272	SISMICA	GLOBAL	Y	-52.07
272	SOVRAC STATICO	GLOBAL	Y	-6.25
273	SISMICA	GLOBAL	Y	-52.07
273	SOVRAC STATICO	GLOBAL	Y	-6.25
274	SISMICA	GLOBAL	Y	-52.07
274	SOVRAC STATICO	GLOBAL	Y	-6.25
275	SISMICA	GLOBAL	Y	-52.07
275	SOVRAC STATICO	GLOBAL	Y	-6.25
276	SISMICA	GLOBAL	Y	-52.07
276	SOVRAC STATICO	GLOBAL	Y	-6.25
277	SISMICA	GLOBAL	Y	-52.07
277	SOVRAC STATICO	GLOBAL	Y	-6.25
278	SISMICA	GLOBAL	Y	-52.07
278	SOVRAC STATICO	GLOBAL	Y	-6.25
279	SISMICA	GLOBAL	Y	-52.07
279	SOVRAC STATICO	GLOBAL	Y	-6.25
280	SISMICA	GLOBAL	Y	-52.07
280	SOVRAC STATICO	GLOBAL	Y	-6.25
281	SISMICA	GLOBAL	Y	-52.07
281	SOVRAC STATICO	GLOBAL	Y	-6.25
282	SISMICA	GLOBAL	Y	-52.07
282	SOVRAC STATICO	GLOBAL	Y	-6.25
283	SISMICA	GLOBAL	Y	-52.07
283	SOVRAC STATICO	GLOBAL	Y	-6.25
284	SISMICA	GLOBAL	Y	-52.07
284	SOVRAC STATICO	GLOBAL	Y	-6.25
285	SISMICA	GLOBAL	Y	-52.07
285	SOVRAC STATICO	GLOBAL	Y	-6.25
286	SISMICA	GLOBAL	Y	-52.07



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

286	SOVRAC	STATICO	GLOBAL	Y	-6.25
287		SISMICA	GLOBAL	Y	-52.07
287	SOVRAC	STATICO	GLOBAL	Y	-6.25
288		SISMICA	GLOBAL	Y	-52.07
288	SOVRAC	STATICO	GLOBAL	Y	-6.25
289		SISMICA	GLOBAL	Y	-52.07
289	SOVRAC	STATICO	GLOBAL	Y	-6.25
290		SISMICA	GLOBAL	Y	-52.07
290	SOVRAC	STATICO	GLOBAL	Y	-6.25
291		SISMICA	GLOBAL	Y	-52.07
291	SOVRAC	STATICO	GLOBAL	Y	-6.25
292		SISMICA	GLOBAL	Y	-52.07
292	SOVRAC	STATICO	GLOBAL	Y	-6.25
293		SISMICA	GLOBAL	Y	-52.07
293	SOVRAC	STATICO	GLOBAL	Y	-6.25
294		SISMICA	GLOBAL	Y	-52.07
294	SOVRAC	STATICO	GLOBAL	Y	-6.25
295		SISMICA	GLOBAL	Y	-52.07
295	SOVRAC	STATICO	GLOBAL	Y	-6.25
296		SISMICA	GLOBAL	Y	-52.07
296	SOVRAC	STATICO	GLOBAL	Y	-6.25
297		SISMICA	GLOBAL	Y	-52.07
297	SOVRAC	STATICO	GLOBAL	Y	-6.25
298		SISMICA	GLOBAL	Y	-52.07
298	SOVRAC	STATICO	GLOBAL	Y	-6.25
299		SISMICA	GLOBAL	Y	-52.07
299	SOVRAC	STATICO	GLOBAL	Y	-6.25
300		SISMICA	GLOBAL	Y	-52.07
300	SOVRAC	STATICO	GLOBAL	Y	-6.25
301		SISMICA	GLOBAL	Y	-52.07
301	SOVRAC	STATICO	GLOBAL	Y	-6.25
302		SISMICA	GLOBAL	Y	-52.07
302	SOVRAC	STATICO	GLOBAL	Y	-6.25
303		SISMICA	GLOBAL	Y	-52.07
303	SOVRAC	STATICO	GLOBAL	Y	-6.25
304		SISMICA	GLOBAL	Y	-52.07
304	SOVRAC	STATICO	GLOBAL	Y	-6.25
305		SISMICA	GLOBAL	Y	-52.07
305	SOVRAC	STATICO	GLOBAL	Y	-6.25
306		SISMICA	GLOBAL	Y	-52.07
306	SOVRAC	STATICO	GLOBAL	Y	-6.25
307		SISMICA	GLOBAL	Y	-52.07
307	SOVRAC	STATICO	GLOBAL	Y	-6.25
308		SISMICA	GLOBAL	Y	-52.07
308	SOVRAC	STATICO	GLOBAL	Y	-6.25
309		SISMICA	GLOBAL	Y	-52.07
309	SOVRAC	STATICO	GLOBAL	Y	-6.25
310		SISMICA	GLOBAL	Y	-52.07
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311		SISMICA	GLOBAL	Y	-52.07
311	SOVRAC	STATICO	GLOBAL	Y	-6.25
312		SISMICA	GLOBAL	Y	-52.07
312	SOVRAC	STATICO	GLOBAL	Y	-6.25
313		SISMICA	GLOBAL	Y	-52.07
313	SOVRAC	STATICO	GLOBAL	Y	-6.25
314		SISMICA	GLOBAL	Y	-52.07
314	SOVRAC	STATICO	GLOBAL	Y	-6.25
315		SISMICA	GLOBAL	Y	-52.07
315	SOVRAC	STATICO	GLOBAL	Y	-6.25
316		SISMICA	GLOBAL	Y	-52.07
316	SOVRAC	STATICO	GLOBAL	Y	-6.25
317		SISMICA	GLOBAL	Y	-52.07
317	SOVRAC	STATICO	GLOBAL	Y	-6.25
318		SISMICA	GLOBAL	Y	-52.07
318	SOVRAC	STATICO	GLOBAL	Y	-6.25
319		SISMICA	GLOBAL	Y	-52.07
319	SOVRAC	STATICO	GLOBAL	Y	-6.25
320		SISMICA	GLOBAL	Y	-52.07
320	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

321	SISMICA	GLOBAL	Y	-52.07
321	SOVRAC STATICO	GLOBAL	Y	-6.25
322	SISMICA	GLOBAL	Y	-52.07
322	SOVRAC STATICO	GLOBAL	Y	-6.25
323	SISMICA	GLOBAL	Y	-52.07
323	SOVRAC STATICO	GLOBAL	Y	-6.25
324	SISMICA	GLOBAL	Y	-52.07
324	SOVRAC STATICO	GLOBAL	Y	-6.25
325	SISMICA	GLOBAL	Y	-52.07
325	SOVRAC STATICO	GLOBAL	Y	-6.25
326	SISMICA	GLOBAL	Y	-52.07
326	SOVRAC STATICO	GLOBAL	Y	-6.25
327	SISMICA	GLOBAL	Y	-52.07
327	SOVRAC STATICO	GLOBAL	Y	-6.25
328	SISMICA	GLOBAL	Y	-52.07
328	SOVRAC STATICO	GLOBAL	Y	-6.25
329	SISMICA	GLOBAL	Y	-52.07
329	SOVRAC STATICO	GLOBAL	Y	-6.25
330	SISMICA	GLOBAL	Y	-52.07
330	SOVRAC STATICO	GLOBAL	Y	-6.25
331	SISMICA	GLOBAL	Y	-52.07
331	SOVRAC STATICO	GLOBAL	Y	-6.25
332	SISMICA	GLOBAL	Y	-52.07
332	SOVRAC STATICO	GLOBAL	Y	-6.25
333	SISMICA	GLOBAL	Y	-52.07
333	SOVRAC STATICO	GLOBAL	Y	-6.25
334	SISMICA	GLOBAL	Y	-52.07
334	SOVRAC STATICO	GLOBAL	Y	-6.25
335	SISMICA	GLOBAL	Y	-52.07
335	SOVRAC STATICO	GLOBAL	Y	-6.25
336	SISMICA	GLOBAL	Y	-52.07
336	SOVRAC STATICO	GLOBAL	Y	-6.25
337	SISMICA	GLOBAL	Y	-52.07
337	SOVRAC STATICO	GLOBAL	Y	-6.25
338	SISMICA	GLOBAL	Y	-52.07
338	SOVRAC STATICO	GLOBAL	Y	-6.25
339	SISMICA	GLOBAL	Y	-52.07
339	SOVRAC STATICO	GLOBAL	Y	-6.25
340	SISMICA	GLOBAL	Y	-52.07
340	SOVRAC STATICO	GLOBAL	Y	-6.25
341	SISMICA	GLOBAL	Y	-52.07
341	SOVRAC STATICO	GLOBAL	Y	-6.25
342	SISMICA	GLOBAL	Y	-52.07
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345	SOVRAC STATICO	GLOBAL	Y	-6.25
346	SISMICA	GLOBAL	Y	-52.07
346	SOVRAC STATICO	GLOBAL	Y	-6.25
347	SISMICA	GLOBAL	Y	-52.07
347	SOVRAC STATICO	GLOBAL	Y	-6.25
348	SISMICA	GLOBAL	Y	-52.07
348	SOVRAC STATICO	GLOBAL	Y	-6.25
349	SISMICA	GLOBAL	Y	-52.07
349	SOVRAC STATICO	GLOBAL	Y	-6.25
350	SISMICA	GLOBAL	Y	-52.07
350	SOVRAC STATICO	GLOBAL	Y	-6.25
351	SISMICA	GLOBAL	Y	-52.07
351	SOVRAC STATICO	GLOBAL	Y	-6.25
352	SISMICA	GLOBAL	Y	-52.07
352	SOVRAC STATICO	GLOBAL	Y	-6.25
353	SISMICA	GLOBAL	Y	-52.07
353	SOVRAC STATICO	GLOBAL	Y	-6.25
354	SISMICA	GLOBAL	Y	-52.07
354	SOVRAC STATICO	GLOBAL	Y	-6.25
355	SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

355	SOVRAC	STATICO	GLOBAL	Y	-6.25
356		SISMICA	GLOBAL	Y	-52.07
356	SOVRAC	STATICO	GLOBAL	Y	-6.25
357		SISMICA	GLOBAL	Y	-52.07
357	SOVRAC	STATICO	GLOBAL	Y	-6.25
358		SISMICA	GLOBAL	Y	-52.07
358	SOVRAC	STATICO	GLOBAL	Y	-6.25
359		SISMICA	GLOBAL	Y	-52.07
359	SOVRAC	STATICO	GLOBAL	Y	-6.25
360		SISMICA	GLOBAL	Y	-52.07
360	SOVRAC	STATICO	GLOBAL	Y	-6.25
361		SISMICA	GLOBAL	Y	-52.07
361	SOVRAC	STATICO	GLOBAL	Y	-6.25
362		SISMICA	GLOBAL	Y	-52.07
362	SOVRAC	STATICO	GLOBAL	Y	-6.25
363		SISMICA	GLOBAL	Y	-52.07
363	SOVRAC	STATICO	GLOBAL	Y	-6.25
364		SISMICA	GLOBAL	Y	-52.07
364	SOVRAC	STATICO	GLOBAL	Y	-6.25
365		SISMICA	GLOBAL	Y	-52.07
365	SOVRAC	STATICO	GLOBAL	Y	-6.25
366		SISMICA	GLOBAL	Y	-52.07
366	SOVRAC	STATICO	GLOBAL	Y	-6.25
367		SISMICA	GLOBAL	Y	-52.07
367	SOVRAC	STATICO	GLOBAL	Y	-6.25
368		SISMICA	GLOBAL	Y	-52.07
368	SOVRAC	STATICO	GLOBAL	Y	-6.25
369		SISMICA	GLOBAL	Y	-52.07
369	SOVRAC	STATICO	GLOBAL	Y	-6.25
370		SISMICA	GLOBAL	Y	-52.07
370	SOVRAC	STATICO	GLOBAL	Y	-6.25
371		SISMICA	GLOBAL	Y	-52.07
371	SOVRAC	STATICO	GLOBAL	Y	-6.25
372		SISMICA	GLOBAL	Y	-52.07
372	SOVRAC	STATICO	GLOBAL	Y	-6.25
373		SISMICA	GLOBAL	Y	-52.07
373	SOVRAC	STATICO	GLOBAL	Y	-6.25
374		SISMICA	GLOBAL	Y	-52.07
374	SOVRAC	STATICO	GLOBAL	Y	-6.25
375		SISMICA	GLOBAL	Y	-52.07
375	SOVRAC	STATICO	GLOBAL	Y	-6.25
376		SISMICA	GLOBAL	Y	-52.07
376	SOVRAC	STATICO	GLOBAL	Y	-6.25
377		SISMICA	GLOBAL	Y	-52.07
377	SOVRAC	STATICO	GLOBAL	Y	-6.25
378		SISMICA	GLOBAL	Y	-52.07
378	SOVRAC	STATICO	GLOBAL	Y	-6.25
379		SISMICA	GLOBAL	Y	-52.07
379	SOVRAC	STATICO	GLOBAL	Y	-6.25
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381		SISMICA	GLOBAL	Y	-52.07
381	SOVRAC	STATICO	GLOBAL	Y	-6.25
382		SISMICA	GLOBAL	Y	-52.07
382	SOVRAC	STATICO	GLOBAL	Y	-6.25
383		SISMICA	GLOBAL	Y	-52.07
383	SOVRAC	STATICO	GLOBAL	Y	-6.25
384		SISMICA	GLOBAL	Y	-52.07
384	SOVRAC	STATICO	GLOBAL	Y	-6.25
385		SISMICA	GLOBAL	Y	-52.07
385	SOVRAC	STATICO	GLOBAL	Y	-6.25
386		SISMICA	GLOBAL	Y	-52.07
386	SOVRAC	STATICO	GLOBAL	Y	-6.25
387		SISMICA	GLOBAL	Y	-52.07
387	SOVRAC	STATICO	GLOBAL	Y	-6.25
388		SISMICA	GLOBAL	Y	-52.07
388	SOVRAC	STATICO	GLOBAL	Y	-6.25
389		SISMICA	GLOBAL	Y	-52.07
389	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

390	SISMICA	GLOBAL	Y	-52.07
390	SOVRAC STATICO	GLOBAL	Y	-6.25
391	SISMICA	GLOBAL	Y	-52.07
391	SOVRAC STATICO	GLOBAL	Y	-6.25
392	SISMICA	GLOBAL	Y	-52.07
392	SOVRAC STATICO	GLOBAL	Y	-6.25
393	SISMICA	GLOBAL	Y	-52.07
393	SOVRAC STATICO	GLOBAL	Y	-6.25
394	SISMICA	GLOBAL	Y	-52.07
394	SOVRAC STATICO	GLOBAL	Y	-6.25
395	SISMICA	GLOBAL	Y	-52.07
395	SOVRAC STATICO	GLOBAL	Y	-6.25
396	SISMICA	GLOBAL	Y	-52.07
396	SOVRAC STATICO	GLOBAL	Y	-6.25
397	SISMICA	GLOBAL	Y	-52.07
397	SOVRAC STATICO	GLOBAL	Y	-6.25
398	SISMICA	GLOBAL	Y	-52.07
398	SOVRAC STATICO	GLOBAL	Y	-6.25
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399	SOVRAC STATICO	GLOBAL	Y	-6.25
400	SISMICA	GLOBAL	Y	-52.07
400	SOVRAC STATICO	GLOBAL	Y	-6.25
401	SISMICA	GLOBAL	Y	-52.07
401	SOVRAC STATICO	GLOBAL	Y	-6.25
402	SISMICA	GLOBAL	Y	-52.07
402	SOVRAC STATICO	GLOBAL	Y	-6.25
403	SISMICA	GLOBAL	Y	-52.07
403	SOVRAC STATICO	GLOBAL	Y	-6.25
404	SISMICA	GLOBAL	Y	-52.07
404	SOVRAC STATICO	GLOBAL	Y	-6.25
405	SISMICA	GLOBAL	Y	-52.07
405	SOVRAC STATICO	GLOBAL	Y	-6.25
406	SISMICA	GLOBAL	Y	-52.07
406	SOVRAC STATICO	GLOBAL	Y	-6.25
407	SISMICA	GLOBAL	Y	-52.07
407	SOVRAC STATICO	GLOBAL	Y	-6.25
408	SISMICA	GLOBAL	Y	-52.07
408	SOVRAC STATICO	GLOBAL	Y	-6.25
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409	SOVRAC STATICO	GLOBAL	Y	-6.25
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410	SOVRAC STATICO	GLOBAL	Y	-6.25
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411	SOVRAC STATICO	GLOBAL	Y	-6.25
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412	SOVRAC STATICO	GLOBAL	Y	-6.25
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413	SOVRAC STATICO	GLOBAL	Y	-6.25
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414	SOVRAC STATICO	GLOBAL	Y	-6.25
415	SISMICA	GLOBAL	Y	-52.07
415	SOVRAC STATICO	GLOBAL	Y	-6.25
416	SISMICA	GLOBAL	Y	-52.07
416	SOVRAC STATICO	GLOBAL	Y	-6.25
417	SISMICA	GLOBAL	Y	-52.07
417	SOVRAC STATICO	GLOBAL	Y	-6.25
418	SISMICA	GLOBAL	Y	-52.07
418	SOVRAC STATICO	GLOBAL	Y	-6.25
419	SISMICA	GLOBAL	Y	-52.07
419	SOVRAC STATICO	GLOBAL	Y	-6.25
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420	SOVRAC STATICO	GLOBAL	Y	-6.25
421	SISMICA	GLOBAL	Y	-52.07
421	SOVRAC STATICO	GLOBAL	Y	-6.25
422	SISMICA	GLOBAL	Y	-52.07
422	SOVRAC STATICO	GLOBAL	Y	-6.25
423	SISMICA	GLOBAL	Y	-52.07
423	SOVRAC STATICO	GLOBAL	Y	-6.25
424	SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

424	SOVRAC	STATICO	GLOBAL	Y	-6.25
425		SISMICA	GLOBAL	Y	-52.07
425	SOVRAC	STATICO	GLOBAL	Y	-6.25
426		SISMICA	GLOBAL	Y	-52.07
426	SOVRAC	STATICO	GLOBAL	Y	-6.25
427		SISMICA	GLOBAL	Y	-52.07
427	SOVRAC	STATICO	GLOBAL	Y	-6.25
428		SISMICA	GLOBAL	Y	-52.07
428	SOVRAC	STATICO	GLOBAL	Y	-6.25
429		SISMICA	GLOBAL	Y	-52.07
429	SOVRAC	STATICO	GLOBAL	Y	-6.25
430		SISMICA	GLOBAL	Y	-52.07
430	SOVRAC	STATICO	GLOBAL	Y	-6.25
431		SISMICA	GLOBAL	Y	-52.07
431	SOVRAC	STATICO	GLOBAL	Y	-6.25
432		SISMICA	GLOBAL	Y	-52.07
432	SOVRAC	STATICO	GLOBAL	Y	-6.25
433		SISMICA	GLOBAL	Y	-52.07
433	SOVRAC	STATICO	GLOBAL	Y	-6.25
434		SISMICA	GLOBAL	Y	-52.07
434	SOVRAC	STATICO	GLOBAL	Y	-6.25
435		SISMICA	GLOBAL	Y	-52.07
435	SOVRAC	STATICO	GLOBAL	Y	-6.25
436		SISMICA	GLOBAL	Y	-52.07
436	SOVRAC	STATICO	GLOBAL	Y	-6.25
437		SISMICA	GLOBAL	Y	-52.07
437	SOVRAC	STATICO	GLOBAL	Y	-6.25
438		SISMICA	GLOBAL	Y	-52.07
438	SOVRAC	STATICO	GLOBAL	Y	-6.25
439		SISMICA	GLOBAL	Y	-52.07
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442		SISMICA	GLOBAL	Y	-52.07
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444	SOVRAC	STATICO	GLOBAL	Y	-6.25
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445	SOVRAC	STATICO	GLOBAL	Y	-6.25
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446	SOVRAC	STATICO	GLOBAL	Y	-6.25
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448		SISMICA	GLOBAL	Y	-52.07
448	SOVRAC	STATICO	GLOBAL	Y	-6.25
449		SISMICA	GLOBAL	Y	-52.07
449	SOVRAC	STATICO	GLOBAL	Y	-6.25
450		SISMICA	GLOBAL	Y	-52.07
450	SOVRAC	STATICO	GLOBAL	Y	-6.25
451		SISMICA	GLOBAL	Y	-52.07
451	SOVRAC	STATICO	GLOBAL	Y	-6.25
452		SISMICA	GLOBAL	Y	-52.07
452	SOVRAC	STATICO	GLOBAL	Y	-6.25
453		SISMICA	GLOBAL	Y	-52.07
453	SOVRAC	STATICO	GLOBAL	Y	-6.25
454		SISMICA	GLOBAL	Y	-52.07
454	SOVRAC	STATICO	GLOBAL	Y	-6.25
455		SISMICA	GLOBAL	Y	-52.07
455	SOVRAC	STATICO	GLOBAL	Y	-6.25
456		SISMICA	GLOBAL	Y	-52.07
456	SOVRAC	STATICO	GLOBAL	Y	-6.25
457		SISMICA	GLOBAL	Y	-52.07
457	SOVRAC	STATICO	GLOBAL	Y	-6.25
458		SISMICA	GLOBAL	Y	-52.07
458	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

459	SISMICA	GLOBAL	Y	-52.07
459	SOVRAC STATICO	GLOBAL	Y	-6.25
460	SISMICA	GLOBAL	Y	-52.07
460	SOVRAC STATICO	GLOBAL	Y	-6.25
461	SISMICA	GLOBAL	Y	-52.07
461	SOVRAC STATICO	GLOBAL	Y	-6.25
462	SISMICA	GLOBAL	Y	-52.07
462	SOVRAC STATICO	GLOBAL	Y	-6.25
463	SISMICA	GLOBAL	Y	-52.07
463	SOVRAC STATICO	GLOBAL	Y	-6.25
464	SISMICA	GLOBAL	Y	-52.07
464	SOVRAC STATICO	GLOBAL	Y	-6.25
465	SISMICA	GLOBAL	Y	-52.07
465	SOVRAC STATICO	GLOBAL	Y	-6.25
466	SISMICA	GLOBAL	Y	-52.07
466	SOVRAC STATICO	GLOBAL	Y	-6.25
467	SISMICA	GLOBAL	Y	-52.07
467	SOVRAC STATICO	GLOBAL	Y	-6.25
468	SISMICA	GLOBAL	Y	-52.07
468	SOVRAC STATICO	GLOBAL	Y	-6.25
469	SISMICA	GLOBAL	Y	-52.07
469	SOVRAC STATICO	GLOBAL	Y	-6.25
470	SISMICA	GLOBAL	Y	-52.07
470	SOVRAC STATICO	GLOBAL	Y	-6.25
471	SISMICA	GLOBAL	Y	-52.07
471	SOVRAC STATICO	GLOBAL	Y	-6.25
472	SISMICA	GLOBAL	Y	-52.07
472	SOVRAC STATICO	GLOBAL	Y	-6.25
473	SISMICA	GLOBAL	Y	-52.07
473	SOVRAC STATICO	GLOBAL	Y	-6.25
474	SISMICA	GLOBAL	Y	-52.07
474	SOVRAC STATICO	GLOBAL	Y	-6.25
475	SISMICA	GLOBAL	Y	-52.07
475	SOVRAC STATICO	GLOBAL	Y	-6.25
476	SISMICA	GLOBAL	Y	-52.07
476	SOVRAC STATICO	GLOBAL	Y	-6.25
477	SISMICA	GLOBAL	Y	-52.07
477	SOVRAC STATICO	GLOBAL	Y	-6.25
478	SISMICA	GLOBAL	Y	-52.07
478	SOVRAC STATICO	GLOBAL	Y	-6.25
479	SISMICA	GLOBAL	Y	-52.07
479	SOVRAC STATICO	GLOBAL	Y	-6.25
480	SISMICA	GLOBAL	Y	-52.07
480	SOVRAC STATICO	GLOBAL	Y	-6.25
481	SISMICA	GLOBAL	Y	-52.07
481	SOVRAC STATICO	GLOBAL	Y	-6.25
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482	SOVRAC STATICO	GLOBAL	Y	-6.25
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483	SOVRAC STATICO	GLOBAL	Y	-6.25
484	SISMICA	GLOBAL	Y	-52.07
484	SOVRAC STATICO	GLOBAL	Y	-6.25
485	SISMICA	GLOBAL	Y	-52.07
485	SOVRAC STATICO	GLOBAL	Y	-6.25
486	SISMICA	GLOBAL	Y	-52.07
486	SOVRAC STATICO	GLOBAL	Y	-6.25
487	SISMICA	GLOBAL	Y	-52.07
487	SOVRAC STATICO	GLOBAL	Y	-6.25
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488	SOVRAC STATICO	GLOBAL	Y	-6.25
489	SISMICA	GLOBAL	Y	-52.07
489	SOVRAC STATICO	GLOBAL	Y	-6.25
490	SISMICA	GLOBAL	Y	-52.07
490	SOVRAC STATICO	GLOBAL	Y	-6.25
491	SISMICA	GLOBAL	Y	-52.07
491	SOVRAC STATICO	GLOBAL	Y	-6.25
492	SISMICA	GLOBAL	Y	-52.07
492	SOVRAC STATICO	GLOBAL	Y	-6.25
493	SISMICA	GLOBAL	Y	-52.07

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

493	SOVRAC	STATICO	GLOBAL	Y	-6.25
494		SISMICA	GLOBAL	Y	-52.07
494	SOVRAC	STATICO	GLOBAL	Y	-6.25
495		SISMICA	GLOBAL	Y	-52.07
495	SOVRAC	STATICO	GLOBAL	Y	-6.25
496		SISMICA	GLOBAL	Y	-52.07
496	SOVRAC	STATICO	GLOBAL	Y	-6.25
497		SISMICA	GLOBAL	Y	-52.07
497	SOVRAC	STATICO	GLOBAL	Y	-6.25
498		SISMICA	GLOBAL	Y	-52.07
498	SOVRAC	STATICO	GLOBAL	Y	-6.25
499		SISMICA	GLOBAL	Y	-52.07
499	SOVRAC	STATICO	GLOBAL	Y	-6.25
500		SISMICA	GLOBAL	Y	-52.07
500	SOVRAC	STATICO	GLOBAL	Y	-6.25
501		SISMICA	GLOBAL	Y	-52.07
501	SOVRAC	STATICO	GLOBAL	Y	-6.25
502		SISMICA	GLOBAL	Y	-52.07
502	SOVRAC	STATICO	GLOBAL	Y	-6.25
503		SISMICA	GLOBAL	Y	-52.07
503	SOVRAC	STATICO	GLOBAL	Y	-6.25
504		SISMICA	GLOBAL	Y	-52.07
504	SOVRAC	STATICO	GLOBAL	Y	-6.25
505		SISMICA	GLOBAL	Y	-52.07
505	SOVRAC	STATICO	GLOBAL	Y	-6.25
506		SISMICA	GLOBAL	Y	-52.07
506	SOVRAC	STATICO	GLOBAL	Y	-6.25
507		SISMICA	GLOBAL	Y	-52.07
507	SOVRAC	STATICO	GLOBAL	Y	-6.25
508		SISMICA	GLOBAL	Y	-52.07
508	SOVRAC	STATICO	GLOBAL	Y	-6.25
509		SISMICA	GLOBAL	Y	-52.07
509	SOVRAC	STATICO	GLOBAL	Y	-6.25
510		SISMICA	GLOBAL	Y	-52.07
510	SOVRAC	STATICO	GLOBAL	Y	-6.25
511		SISMICA	GLOBAL	Y	-52.07
511	SOVRAC	STATICO	GLOBAL	Y	-6.25
512		SISMICA	GLOBAL	Y	-52.07
512	SOVRAC	STATICO	GLOBAL	Y	-6.25
513		SISMICA	GLOBAL	Y	-52.07
513	SOVRAC	STATICO	GLOBAL	Y	-6.25
514		SISMICA	GLOBAL	Y	-52.07
514	SOVRAC	STATICO	GLOBAL	Y	-6.25
515		SISMICA	GLOBAL	Y	-52.07
515	SOVRAC	STATICO	GLOBAL	Y	-6.25
516		SISMICA	GLOBAL	Y	-52.07
516	SOVRAC	STATICO	GLOBAL	Y	-6.25
517		SISMICA	GLOBAL	Y	-52.07
517	SOVRAC	STATICO	GLOBAL	Y	-6.25
518		SISMICA	GLOBAL	Y	-52.07
518	SOVRAC	STATICO	GLOBAL	Y	-6.25
519		SISMICA	GLOBAL	Y	-52.07
519	SOVRAC	STATICO	GLOBAL	Y	-6.25
520		SISMICA	GLOBAL	Y	-52.07
520	SOVRAC	STATICO	GLOBAL	Y	-6.25
521		SISMICA	GLOBAL	Y	-52.07
521	SOVRAC	STATICO	GLOBAL	Y	-6.25
522		SISMICA	GLOBAL	Y	-52.07
522	SOVRAC	STATICO	GLOBAL	Y	-6.25
523		SISMICA	GLOBAL	Y	-52.07
523	SOVRAC	STATICO	GLOBAL	Y	-6.25
524		SISMICA	GLOBAL	Y	-52.07
524	SOVRAC	STATICO	GLOBAL	Y	-6.25
525		SISMICA	GLOBAL	Y	-52.07
525	SOVRAC	STATICO	GLOBAL	Y	-6.25
526		SISMICA	GLOBAL	Y	-52.07
526	SOVRAC	STATICO	GLOBAL	Y	-6.25
527		SISMICA	GLOBAL	Y	-52.07
527	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

528	SISMICA	GLOBAL	Y	-52.07
528	SOVRAC STATICO	GLOBAL	Y	-6.25
529	SISMICA	GLOBAL	Y	-52.07
529	SOVRAC STATICO	GLOBAL	Y	-6.25
530	SISMICA	GLOBAL	Y	-52.07
530	SOVRAC STATICO	GLOBAL	Y	-6.25
531	SISMICA	GLOBAL	Y	-52.07
531	SOVRAC STATICO	GLOBAL	Y	-6.25
532	SISMICA	GLOBAL	Y	-52.07
532	SOVRAC STATICO	GLOBAL	Y	-6.25
533	SISMICA	GLOBAL	Y	-52.07
533	SOVRAC STATICO	GLOBAL	Y	-6.25

Table: Area Section Assignments

Area	Section	MatProp
2	POZZ	Default
3	POZZ	Default
4	POZZ	Default
5	POZZ	Default
6	POZZ	Default
7	POZZ	Default
8	POZZ	Default
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51	POZZ	Default



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

52	POZZ	Default
53	POZZ	Default
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

121	POZZ	Default
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

190	POZZ	Default
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

259	POZZ	Default
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

328	POZZ	Default
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

397	POZZ	Default
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465	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

466	POZZ	Default
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529	POZZ	Default
530	POZZ	Default
531	POZZ	Default
532	POZZ	Default
533	POZZ	Default

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Table: Area Section Properties, Part 1 of 4

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
POZZ	C32/40	0.000	Shell	Shell-Thick	Yes	0.300000	0.300000	
SSEC1	C32/40	0.000	Shell	Shell-Thin	Yes	1.000000	1.000000	

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt KN	TotalMass KN-s2/m	F11Mod	F22Mod
POZZ			2	158.550	15.85	1.000000	1.000000
SSEC1			2	0.000	0.00	1.000000	1.000000

Table: Area Section Properties, Part 3 of 4

Section	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod	MMod	WMod
POZZ	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
SSEC1	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Table: Area Section Properties, Part 4 of 4

Section	GUID	Notes
POZZ		
SSEC1		

Table: Area Section Property Design Parameters

Section	RebarMat	RebarOpt
POZZ	None	Default
SSEC1	None	Default

Table: Combination Definitions, Part 1 of 3

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLU-STATICA	Linear Add	No	Linear Static	LOAD	1.300000	No
SLU-STATICA			Linear Static	STATICA	1.300000	
SLU-STATICA			Linear Static	SOVRAC	1.500000	
SLU-SISMICA	Linear Add	No	Linear Static	LOAD	1.000000	No
SLU-SISMICA			Linear Static	STATICA	1.000000	
SLU-SISMICA			Linear Static	SISMICA	1.000000	
SLE-RARA	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-RARA			Linear Static	STATICA	1.000000	
SLE-RARA			Linear Static	SOVRAC	1.000000	
SLE-FREQ.	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-FREQ.			Linear Static	STATICA	1.000000	
SLE-FREQ.			Linear Static	SOVRAC	0.750000	
SLE-QP	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-QP			Linear Static	STATICA	1.000000	
INVSLE	Envelope	No	Response Combo	SLE-RARA	1.000000	No
INVSLE			Response Combo	SLE-FREQ.	1.000000	
INVSLE			Response Combo	SLE-QP	1.000000	
INVSLU	Envelope	No	Response Combo	SLU-STATICA	1.000000	No



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

INVSLU Response Combo SLU-SISMICA 1.000000

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign	GUID
SLU-STATICA	LOAD	No	No	No	
SLU-STATICA	STATICA				
SLU-STATICA	SOVRAC				
SLU-SISMICA	LOAD	No	No	No	
SLU-SISMICA	STATICA				
SLU-SISMICA	SISMICA				
SLE-RARA	LOAD	No	No	No	
SLE-RARA	STATICA				
SLE-RARA	SOVRAC				
SLE-FREQ.	LOAD	No	No	No	
SLE-FREQ.	STATICA				
SLE-FREQ.	SOVRAC				
SLE-QP	LOAD	No	No	No	
SLE-QP	STATICA				
INVSLE	SLE-RARA	No	No	No	
INVSLE	SLE-FREQ.				
INVSLE	SLE-QP				
INVSLU	SLU-STATICA	No	No	No	
INVSLU	SLU-SISMICA				

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	Notes
SLU-STATICA	LOAD	
SLU-STATICA	STATICA	
SLU-STATICA	SOVRAC	
SLU-SISMICA	LOAD	
SLU-SISMICA	STATICA	
SLU-SISMICA	SISMICA	
SLE-RARA	LOAD	
SLE-RARA	STATICA	
SLE-RARA	SOVRAC	
SLE-FREQ.	LOAD	
SLE-FREQ.	STATICA	
SLE-FREQ.	SOVRAC	
SLE-QP	LOAD	
SLE-QP	STATICA	
INVSLE	SLE-RARA	
INVSLE	SLE-FREQ.	
INVSLE	SLE-QP	
INVSLU	SLU-STATICA	
INVSLU	SLU-SISMICA	

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
2	4	1	104	141	6	0.700000	0.030000
3	4	6	141	178	8	0.700000	0.030000
4	4	8	178	215	10	0.700000	0.030000
5	4	10	215	252	12	0.700000	0.030000
6	4	12	252	289	14	0.700000	0.030000
7	4	14	289	326	16	0.700000	0.030000
8	4	16	326	363	18	0.700000	0.030000
9	4	18	363	400	20	0.700000	0.030000
10	4	20	400	437	22	0.700000	0.030000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

11	4	22	437	474	24	0.700000	0.030000
12	4	24	474	511	26	0.700000	0.030000
13	4	26	511	548	28	0.700000	0.030000
14	4	28	548	585	30	0.700000	0.030000
15	4	30	585	103	2	0.700000	0.030000
16	4	104	102	140	141	0.800000	0.040000
17	4	141	140	177	178	0.800000	0.040000
18	4	178	177	214	215	0.800000	0.040000
19	4	215	214	251	252	0.800000	0.040000
20	4	252	251	288	289	0.800000	0.040000
21	4	289	288	325	326	0.800000	0.040000
22	4	326	325	362	363	0.800000	0.040000
23	4	363	362	399	400	0.800000	0.040000
24	4	400	399	436	437	0.800000	0.040000
25	4	437	436	473	474	0.800000	0.040000
26	4	474	473	510	511	0.800000	0.040000
27	4	511	510	547	548	0.800000	0.040000
28	4	548	547	584	585	0.800000	0.040000
29	4	585	584	101	103	0.800000	0.040000
30	4	102	100	139	140	0.800000	0.040000
31	4	140	139	176	177	0.800000	0.040000
32	4	177	176	213	214	0.800000	0.040000
33	4	214	213	250	251	0.800000	0.040000
34	4	251	250	287	288	0.800000	0.040000
35	4	288	287	324	325	0.800000	0.040000
36	4	325	324	361	362	0.800000	0.040000
37	4	362	361	398	399	0.800000	0.040000
38	4	399	398	435	436	0.800000	0.040000
39	4	436	435	472	473	0.800000	0.040000
40	4	473	472	509	510	0.800000	0.040000
41	4	510	509	546	547	0.800000	0.040000
42	4	547	546	583	584	0.800000	0.040000
43	4	584	583	99	101	0.800000	0.040000
44	4	100	98	138	139	0.800000	0.040000
45	4	139	138	175	176	0.800000	0.040000
46	4	176	175	212	213	0.800000	0.040000
47	4	213	212	249	250	0.800000	0.040000
48	4	250	249	286	287	0.800000	0.040000
49	4	287	286	323	324	0.800000	0.040000
50	4	324	323	360	361	0.800000	0.040000
51	4	361	360	397	398	0.800000	0.040000
52	4	398	397	434	435	0.800000	0.040000
53	4	435	434	471	472	0.800000	0.040000
54	4	472	471	508	509	0.800000	0.040000
55	4	509	508	545	546	0.800000	0.040000
56	4	546	545	582	583	0.800000	0.040000
57	4	583	582	97	99	0.800000	0.040000
58	4	98	96	137	138	0.800000	0.040000
59	4	138	137	174	175	0.800000	0.040000
60	4	175	174	211	212	0.800000	0.040000
61	4	212	211	248	249	0.800000	0.040000
62	4	249	248	285	286	0.800000	0.040000
63	4	286	285	322	323	0.800000	0.040000
64	4	323	322	359	360	0.800000	0.040000
65	4	360	359	396	397	0.800000	0.040000
66	4	397	396	433	434	0.800000	0.040000
67	4	434	433	470	471	0.800000	0.040000
68	4	471	470	507	508	0.800000	0.040000
69	4	508	507	544	545	0.800000	0.040000
70	4	545	544	581	582	0.800000	0.040000
71	4	582	581	95	97	0.800000	0.040000
72	4	96	94	136	137	0.800000	0.040000
73	4	137	136	173	174	0.800000	0.040000
74	4	174	173	210	211	0.800000	0.040000
75	4	211	210	247	248	0.800000	0.040000
76	4	248	247	284	285	0.800000	0.040000
77	4	285	284	321	322	0.800000	0.040000
78	4	322	321	358	359	0.800000	0.040000
79	4	359	358	395	396	0.800000	0.040000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

80	4	396	395	432	433	0.800000	0.040000
81	4	433	432	469	470	0.800000	0.040000
82	4	470	469	506	507	0.800000	0.040000
83	4	507	506	543	544	0.800000	0.040000
84	4	544	543	580	581	0.800000	0.040000
85	4	581	580	93	95	0.800000	0.040000
86	4	94	92	135	136	0.800000	0.040000
87	4	136	135	172	173	0.800000	0.040000
88	4	173	172	209	210	0.800000	0.040000
89	4	210	209	246	247	0.800000	0.040000
90	4	247	246	283	284	0.800000	0.040000
91	4	284	283	320	321	0.800000	0.040000
92	4	321	320	357	358	0.800000	0.040000
93	4	358	357	394	395	0.800000	0.040000
94	4	395	394	431	432	0.800000	0.040000
95	4	432	431	468	469	0.800000	0.040000
96	4	469	468	505	506	0.800000	0.040000
97	4	506	505	542	543	0.800000	0.040000
98	4	543	542	579	580	0.800000	0.040000
99	4	580	579	91	93	0.800000	0.040000
100	4	92	90	134	135	0.800000	0.040000
101	4	135	134	171	172	0.800000	0.040000
102	4	172	171	208	209	0.800000	0.040000
103	4	209	208	245	246	0.800000	0.040000
104	4	246	245	282	283	0.800000	0.040000
105	4	283	282	319	320	0.800000	0.040000
106	4	320	319	356	357	0.800000	0.040000
107	4	357	356	393	394	0.800000	0.040000
108	4	394	393	430	431	0.800000	0.040000
109	4	431	430	467	468	0.800000	0.040000
110	4	468	467	504	505	0.800000	0.040000
111	4	505	504	541	542	0.800000	0.040000
112	4	542	541	578	579	0.800000	0.040000
113	4	579	578	89	91	0.800000	0.040000
114	4	90	88	133	134	0.800000	0.040000
115	4	134	133	170	171	0.800000	0.040000
116	4	171	170	207	208	0.800000	0.040000
117	4	208	207	244	245	0.800000	0.040000
118	4	245	244	281	282	0.800000	0.040000
119	4	282	281	318	319	0.800000	0.040000
120	4	319	318	355	356	0.800000	0.040000
121	4	356	355	392	393	0.800000	0.040000
122	4	393	392	429	430	0.800000	0.040000
123	4	430	429	466	467	0.800000	0.040000
124	4	467	466	503	504	0.800000	0.040000
125	4	504	503	540	541	0.800000	0.040000
126	4	541	540	577	578	0.800000	0.040000
127	4	578	577	87	89	0.800000	0.040000
128	4	88	86	132	133	0.900000	0.050000
129	4	133	132	169	170	0.900000	0.050000
130	4	170	169	206	207	0.900000	0.050000
131	4	207	206	243	244	0.900000	0.050000
132	4	244	243	280	281	0.900000	0.050000
133	4	281	280	317	318	0.900000	0.050000
134	4	318	317	354	355	0.900000	0.050000
135	4	355	354	391	392	0.900000	0.050000
136	4	392	391	428	429	0.900000	0.050000
137	4	429	428	465	466	0.900000	0.050000
138	4	466	465	502	503	0.900000	0.050000
139	4	503	502	539	540	0.900000	0.050000
140	4	540	539	576	577	0.900000	0.050000
141	4	577	576	85	87	0.900000	0.050000
142	4	86	84	131	132	0.700000	0.030000
143	4	132	131	168	169	0.700000	0.030000
144	4	169	168	205	206	0.700000	0.030000
145	4	206	205	242	243	0.700000	0.030000
146	4	243	242	279	280	0.700000	0.030000
147	4	280	279	316	317	0.700000	0.030000
148	4	317	316	353	354	0.700000	0.030000

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149	4	354	353	390	391	0.700000	0.030000
150	4	391	390	427	428	0.700000	0.030000
151	4	428	427	464	465	0.700000	0.030000
152	4	465	464	501	502	0.700000	0.030000
153	4	502	501	538	539	0.700000	0.030000
154	4	539	538	575	576	0.700000	0.030000
155	4	576	575	83	85	0.700000	0.030000
156	4	84	82	130	131	0.800000	0.040000
157	4	131	130	167	168	0.800000	0.040000
158	4	168	167	204	205	0.800000	0.040000
159	4	205	204	241	242	0.800000	0.040000
160	4	242	241	278	279	0.800000	0.040000
161	4	279	278	315	316	0.800000	0.040000
162	4	316	315	352	353	0.800000	0.040000
163	4	353	352	389	390	0.800000	0.040000
164	4	390	389	426	427	0.800000	0.040000
165	4	427	426	463	464	0.800000	0.040000
166	4	464	463	500	501	0.800000	0.040000
167	4	501	500	537	538	0.800000	0.040000
168	4	538	537	574	575	0.800000	0.040000
169	4	575	574	81	83	0.800000	0.040000
170	4	82	80	129	130	0.800000	0.040000
171	4	130	129	166	167	0.800000	0.040000
172	4	167	166	203	204	0.800000	0.040000
173	4	204	203	240	241	0.800000	0.040000
174	4	241	240	277	278	0.800000	0.040000
175	4	278	277	314	315	0.800000	0.040000
176	4	315	314	351	352	0.800000	0.040000
177	4	352	351	388	389	0.800000	0.040000
178	4	389	388	425	426	0.800000	0.040000
179	4	426	425	462	463	0.800000	0.040000
180	4	463	462	499	500	0.800000	0.040000
181	4	500	499	536	537	0.800000	0.040000
182	4	537	536	573	574	0.800000	0.040000
183	4	574	573	79	81	0.800000	0.040000
184	4	80	78	128	129	0.800000	0.040000
185	4	129	128	165	166	0.800000	0.040000
186	4	166	165	202	203	0.800000	0.040000
187	4	203	202	239	240	0.800000	0.040000
188	4	240	239	276	277	0.800000	0.040000
189	4	277	276	313	314	0.800000	0.040000
190	4	314	313	350	351	0.800000	0.040000
191	4	351	350	387	388	0.800000	0.040000
192	4	388	387	424	425	0.800000	0.040000
193	4	425	424	461	462	0.800000	0.040000
194	4	462	461	498	499	0.800000	0.040000
195	4	499	498	535	536	0.800000	0.040000
196	4	536	535	572	573	0.800000	0.040000
197	4	573	572	77	79	0.800000	0.040000
198	4	78	76	127	128	0.800000	0.040000
199	4	128	127	164	165	0.800000	0.040000
200	4	165	164	201	202	0.800000	0.040000
201	4	202	201	238	239	0.800000	0.040000
202	4	239	238	275	276	0.800000	0.040000
203	4	276	275	312	313	0.800000	0.040000
204	4	313	312	349	350	0.800000	0.040000
205	4	350	349	386	387	0.800000	0.040000
206	4	387	386	423	424	0.800000	0.040000
207	4	424	423	460	461	0.800000	0.040000
208	4	461	460	497	498	0.800000	0.040000
209	4	498	497	534	535	0.800000	0.040000
210	4	535	534	571	572	0.800000	0.040000
211	4	572	571	75	77	0.800000	0.040000
212	4	76	74	126	127	0.800000	0.040000
213	4	127	126	163	164	0.800000	0.040000
214	4	164	163	200	201	0.800000	0.040000
215	4	201	200	237	238	0.800000	0.040000
216	4	238	237	274	275	0.800000	0.040000
217	4	275	274	311	312	0.800000	0.040000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

218	4	312	311	348	349	0.800000	0.040000
219	4	349	348	385	386	0.800000	0.040000
220	4	386	385	422	423	0.800000	0.040000
221	4	423	422	459	460	0.800000	0.040000
222	4	460	459	496	497	0.800000	0.040000
223	4	497	496	533	534	0.800000	0.040000
224	4	534	533	570	571	0.800000	0.040000
225	4	571	570	73	75	0.800000	0.040000
226	4	74	72	125	126	0.800000	0.040000
227	4	126	125	162	163	0.800000	0.040000
228	4	163	162	199	200	0.800000	0.040000
229	4	200	199	236	237	0.800000	0.040000
230	4	237	236	273	274	0.800000	0.040000
231	4	274	273	310	311	0.800000	0.040000
232	4	311	310	347	348	0.800000	0.040000
233	4	348	347	384	385	0.800000	0.040000
234	4	385	384	421	422	0.800000	0.040000
235	4	422	421	458	459	0.800000	0.040000
236	4	459	458	495	496	0.800000	0.040000
237	4	496	495	532	533	0.800000	0.040000
238	4	533	532	569	570	0.800000	0.040000
239	4	570	569	71	73	0.800000	0.040000
240	4	72	70	124	125	0.800000	0.040000
241	4	125	124	161	162	0.800000	0.040000
242	4	162	161	198	199	0.800000	0.040000
243	4	199	198	235	236	0.800000	0.040000
244	4	236	235	272	273	0.800000	0.040000
245	4	273	272	309	310	0.800000	0.040000
246	4	310	309	346	347	0.800000	0.040000
247	4	347	346	383	384	0.800000	0.040000
248	4	384	383	420	421	0.800000	0.040000
249	4	421	420	457	458	0.800000	0.040000
250	4	458	457	494	495	0.800000	0.040000
251	4	495	494	531	532	0.800000	0.040000
252	4	532	531	568	569	0.800000	0.040000
253	4	569	568	69	71	0.800000	0.040000
254	4	70	68	123	124	0.800000	0.040000
255	4	124	123	160	161	0.800000	0.040000
256	4	161	160	197	198	0.800000	0.040000
257	4	198	197	234	235	0.800000	0.040000
258	4	235	234	271	272	0.800000	0.040000
259	4	272	271	308	309	0.800000	0.040000
260	4	309	308	345	346	0.800000	0.040000
261	4	346	345	382	383	0.800000	0.040000
262	4	383	382	419	420	0.800000	0.040000
263	4	420	419	456	457	0.800000	0.040000
264	4	457	456	493	494	0.800000	0.040000
265	4	494	493	530	531	0.800000	0.040000
266	4	531	530	567	568	0.800000	0.040000
267	4	568	567	67	69	0.800000	0.040000
268	4	68	66	122	123	0.800000	0.040000
269	4	123	122	159	160	0.800000	0.040000
270	4	160	159	196	197	0.800000	0.040000
271	4	197	196	233	234	0.800000	0.040000
272	4	234	233	270	271	0.800000	0.040000
273	4	271	270	307	308	0.800000	0.040000
274	4	308	307	344	345	0.800000	0.040000
275	4	345	344	381	382	0.800000	0.040000
276	4	382	381	418	419	0.800000	0.040000
277	4	419	418	455	456	0.800000	0.040000
278	4	456	455	492	493	0.800000	0.040000
279	4	493	492	529	530	0.800000	0.040000
280	4	530	529	566	567	0.800000	0.040000
281	4	567	566	65	67	0.800000	0.040000
282	4	66	64	121	122	0.800000	0.040000
283	4	122	121	158	159	0.800000	0.040000
284	4	159	158	195	196	0.800000	0.040000
285	4	196	195	232	233	0.800000	0.040000
286	4	233	232	269	270	0.800000	0.040000

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287	4	270	269	306	307	0.800000	0.040000
288	4	307	306	343	344	0.800000	0.040000
289	4	344	343	380	381	0.800000	0.040000
290	4	381	380	417	418	0.800000	0.040000
291	4	418	417	454	455	0.800000	0.040000
292	4	455	454	491	492	0.800000	0.040000
293	4	492	491	528	529	0.800000	0.040000
294	4	529	528	565	566	0.800000	0.040000
295	4	566	565	63	65	0.800000	0.040000
296	4	64	62	120	121	0.800000	0.040000
297	4	121	120	157	158	0.800000	0.040000
298	4	158	157	194	195	0.800000	0.040000
299	4	195	194	231	232	0.800000	0.040000
300	4	232	231	268	269	0.800000	0.040000
301	4	269	268	305	306	0.800000	0.040000
302	4	306	305	342	343	0.800000	0.040000
303	4	343	342	379	380	0.800000	0.040000
304	4	380	379	416	417	0.800000	0.040000
305	4	417	416	453	454	0.800000	0.040000
306	4	454	453	490	491	0.800000	0.040000
307	4	491	490	527	528	0.800000	0.040000
308	4	528	527	564	565	0.800000	0.040000
309	4	565	564	61	63	0.800000	0.040000
310	4	62	60	119	120	0.800000	0.040000
311	4	120	119	156	157	0.800000	0.040000
312	4	157	156	193	194	0.800000	0.040000
313	4	194	193	230	231	0.800000	0.040000
314	4	231	230	267	268	0.800000	0.040000
315	4	268	267	304	305	0.800000	0.040000
316	4	305	304	341	342	0.800000	0.040000
317	4	342	341	378	379	0.800000	0.040000
318	4	379	378	415	416	0.800000	0.040000
319	4	416	415	452	453	0.800000	0.040000
320	4	453	452	489	490	0.800000	0.040000
321	4	490	489	526	527	0.800000	0.040000
322	4	527	526	563	564	0.800000	0.040000
323	4	564	563	59	61	0.800000	0.040000
324	4	60	58	118	119	0.800000	0.040000
325	4	119	118	155	156	0.800000	0.040000
326	4	156	155	192	193	0.800000	0.040000
327	4	193	192	229	230	0.800000	0.040000
328	4	230	229	266	267	0.800000	0.040000
329	4	267	266	303	304	0.800000	0.040000
330	4	304	303	340	341	0.800000	0.040000
331	4	341	340	377	378	0.800000	0.040000
332	4	378	377	414	415	0.800000	0.040000
333	4	415	414	451	452	0.800000	0.040000
334	4	452	451	488	489	0.800000	0.040000
335	4	489	488	525	526	0.800000	0.040000
336	4	526	525	562	563	0.800000	0.040000
337	4	563	562	57	59	0.800000	0.040000
338	4	58	56	117	118	0.800000	0.040000
339	4	118	117	154	155	0.800000	0.040000
340	4	155	154	191	192	0.800000	0.040000
341	4	192	191	228	229	0.800000	0.040000
342	4	229	228	265	266	0.800000	0.040000
343	4	266	265	302	303	0.800000	0.040000
344	4	303	302	339	340	0.800000	0.040000
345	4	340	339	376	377	0.800000	0.040000
346	4	377	376	413	414	0.800000	0.040000
347	4	414	413	450	451	0.800000	0.040000
348	4	451	450	487	488	0.800000	0.040000
349	4	488	487	524	525	0.800000	0.040000
350	4	525	524	561	562	0.800000	0.040000
351	4	562	561	55	57	0.800000	0.040000
352	4	56	54	116	117	0.800000	0.040000
353	4	117	116	153	154	0.800000	0.040000
354	4	154	153	190	191	0.800000	0.040000
355	4	191	190	227	228	0.800000	0.040000

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356	4	228	227	264	265	0.800000	0.040000
357	4	265	264	301	302	0.800000	0.040000
358	4	302	301	338	339	0.800000	0.040000
359	4	339	338	375	376	0.800000	0.040000
360	4	376	375	412	413	0.800000	0.040000
361	4	413	412	449	450	0.800000	0.040000
362	4	450	449	486	487	0.800000	0.040000
363	4	487	486	523	524	0.800000	0.040000
364	4	524	523	560	561	0.800000	0.040000
365	4	561	560	53	55	0.800000	0.040000
366	4	54	52	115	116	0.800000	0.040000
367	4	116	115	152	153	0.800000	0.040000
368	4	153	152	189	190	0.800000	0.040000
369	4	190	189	226	227	0.800000	0.040000
370	4	227	226	263	264	0.800000	0.040000
371	4	264	263	300	301	0.800000	0.040000
372	4	301	300	337	338	0.800000	0.040000
373	4	338	337	374	375	0.800000	0.040000
374	4	375	374	411	412	0.800000	0.040000
375	4	412	411	448	449	0.800000	0.040000
376	4	449	448	485	486	0.800000	0.040000
377	4	486	485	522	523	0.800000	0.040000
378	4	523	522	559	560	0.800000	0.040000
379	4	560	559	51	53	0.800000	0.040000
380	4	52	50	114	115	0.800000	0.040000
381	4	115	114	151	152	0.800000	0.040000
382	4	152	151	188	189	0.800000	0.040000
383	4	189	188	225	226	0.800000	0.040000
384	4	226	225	262	263	0.800000	0.040000
385	4	263	262	299	300	0.800000	0.040000
386	4	300	299	336	337	0.800000	0.040000
387	4	337	336	373	374	0.800000	0.040000
388	4	374	373	410	411	0.800000	0.040000
389	4	411	410	447	448	0.800000	0.040000
390	4	448	447	484	485	0.800000	0.040000
391	4	485	484	521	522	0.800000	0.040000
392	4	522	521	558	559	0.800000	0.040000
393	4	559	558	49	51	0.800000	0.040000
394	4	50	48	113	114	0.800000	0.040000
395	4	114	113	150	151	0.800000	0.040000
396	4	151	150	187	188	0.800000	0.040000
397	4	188	187	224	225	0.800000	0.040000
398	4	225	224	261	262	0.800000	0.040000
399	4	262	261	298	299	0.800000	0.040000
400	4	299	298	335	336	0.800000	0.040000
401	4	336	335	372	373	0.800000	0.040000
402	4	373	372	409	410	0.800000	0.040000
403	4	410	409	446	447	0.800000	0.040000
404	4	447	446	483	484	0.800000	0.040000
405	4	484	483	520	521	0.800000	0.040000
406	4	521	520	557	558	0.800000	0.040000
407	4	558	557	47	49	0.800000	0.040000
408	4	48	46	112	113	0.800000	0.040000
409	4	113	112	149	150	0.800000	0.040000
410	4	150	149	186	187	0.800000	0.040000
411	4	187	186	223	224	0.800000	0.040000
412	4	224	223	260	261	0.800000	0.040000
413	4	261	260	297	298	0.800000	0.040000
414	4	298	297	334	335	0.800000	0.040000
415	4	335	334	371	372	0.800000	0.040000
416	4	372	371	408	409	0.800000	0.040000
417	4	409	408	445	446	0.800000	0.040000
418	4	446	445	482	483	0.800000	0.040000
419	4	483	482	519	520	0.800000	0.040000
420	4	520	519	556	557	0.800000	0.040000
421	4	557	556	45	47	0.800000	0.040000
422	4	46	44	111	112	0.800000	0.040000
423	4	112	111	148	149	0.800000	0.040000
424	4	149	148	185	186	0.800000	0.040000

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425	4	186	185	222	223	0.800000	0.040000
426	4	223	222	259	260	0.800000	0.040000
427	4	260	259	296	297	0.800000	0.040000
428	4	297	296	333	334	0.800000	0.040000
429	4	334	333	370	371	0.800000	0.040000
430	4	371	370	407	408	0.800000	0.040000
431	4	408	407	444	445	0.800000	0.040000
432	4	445	444	481	482	0.800000	0.040000
433	4	482	481	518	519	0.800000	0.040000
434	4	519	518	555	556	0.800000	0.040000
435	4	556	555	43	45	0.800000	0.040000
436	4	44	42	110	111	0.800000	0.040000
437	4	111	110	147	148	0.800000	0.040000
438	4	148	147	184	185	0.800000	0.040000
439	4	185	184	221	222	0.800000	0.040000
440	4	222	221	258	259	0.800000	0.040000
441	4	259	258	295	296	0.800000	0.040000
442	4	296	295	332	333	0.800000	0.040000
443	4	333	332	369	370	0.800000	0.040000
444	4	370	369	406	407	0.800000	0.040000
445	4	407	406	443	444	0.800000	0.040000
446	4	444	443	480	481	0.800000	0.040000
447	4	481	480	517	518	0.800000	0.040000
448	4	518	517	554	555	0.800000	0.040000
449	4	555	554	41	43	0.800000	0.040000
450	4	42	40	109	110	0.800000	0.040000
451	4	110	109	146	147	0.800000	0.040000
452	4	147	146	183	184	0.800000	0.040000
453	4	184	183	220	221	0.800000	0.040000
454	4	221	220	257	258	0.800000	0.040000
455	4	258	257	294	295	0.800000	0.040000
456	4	295	294	331	332	0.800000	0.040000
457	4	332	331	368	369	0.800000	0.040000
458	4	369	368	405	406	0.800000	0.040000
459	4	406	405	442	443	0.800000	0.040000
460	4	443	442	479	480	0.800000	0.040000
461	4	480	479	516	517	0.800000	0.040000
462	4	517	516	553	554	0.800000	0.040000
463	4	554	553	39	41	0.800000	0.040000
464	4	40	38	108	109	0.800000	0.040000
465	4	109	108	145	146	0.800000	0.040000
466	4	146	145	182	183	0.800000	0.040000
467	4	183	182	219	220	0.800000	0.040000
468	4	220	219	256	257	0.800000	0.040000
469	4	257	256	293	294	0.800000	0.040000
470	4	294	293	330	331	0.800000	0.040000
471	4	331	330	367	368	0.800000	0.040000
472	4	368	367	404	405	0.800000	0.040000
473	4	405	404	441	442	0.800000	0.040000
474	4	442	441	478	479	0.800000	0.040000
475	4	479	478	515	516	0.800000	0.040000
476	4	516	515	552	553	0.800000	0.040000
477	4	553	552	37	39	0.800000	0.040000
478	4	38	36	107	108	0.800000	0.040000
479	4	108	107	144	145	0.800000	0.040000
480	4	145	144	181	182	0.800000	0.040000
481	4	182	181	218	219	0.800000	0.040000
482	4	219	218	255	256	0.800000	0.040000
483	4	256	255	292	293	0.800000	0.040000
484	4	293	292	329	330	0.800000	0.040000
485	4	330	329	366	367	0.800000	0.040000
486	4	367	366	403	404	0.800000	0.040000
487	4	404	403	440	441	0.800000	0.040000
488	4	441	440	477	478	0.800000	0.040000
489	4	478	477	514	515	0.800000	0.040000
490	4	515	514	551	552	0.800000	0.040000
491	4	552	551	35	37	0.800000	0.040000
492	4	36	34	106	107	0.800000	0.040000
493	4	107	106	143	144	0.800000	0.040000



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494	4	144	143	180	181	0.800000	0.040000
495	4	181	180	217	218	0.800000	0.040000
496	4	218	217	254	255	0.800000	0.040000
497	4	255	254	291	292	0.800000	0.040000
498	4	292	291	328	329	0.800000	0.040000
499	4	329	328	365	366	0.800000	0.040000
500	4	366	365	402	403	0.800000	0.040000
501	4	403	402	439	440	0.800000	0.040000
502	4	440	439	476	477	0.800000	0.040000
503	4	477	476	513	514	0.800000	0.040000
504	4	514	513	550	551	0.800000	0.040000
505	4	551	550	33	35	0.800000	0.040000
506	4	34	32	105	106	0.800000	0.040000
507	4	106	105	142	143	0.800000	0.040000
508	4	143	142	179	180	0.800000	0.040000
509	4	180	179	216	217	0.800000	0.040000
510	4	217	216	253	254	0.800000	0.040000
511	4	254	253	290	291	0.800000	0.040000
512	4	291	290	327	328	0.800000	0.040000
513	4	328	327	364	365	0.800000	0.040000
514	4	365	364	401	402	0.800000	0.040000
515	4	402	401	438	439	0.800000	0.040000
516	4	439	438	475	476	0.800000	0.040000
517	4	476	475	512	513	0.800000	0.040000
518	4	513	512	549	550	0.800000	0.040000
519	4	550	549	31	33	0.800000	0.040000
520	4	32	4	5	105	0.800000	0.040000
521	4	105	5	7	142	0.800000	0.040000
522	4	142	7	9	179	0.800000	0.040000
523	4	179	9	11	216	0.800000	0.040000
524	4	216	11	13	253	0.800000	0.040000
525	4	253	13	15	290	0.800000	0.040000
526	4	290	15	17	327	0.800000	0.040000
527	4	327	17	19	364	0.800000	0.040000
528	4	364	19	21	401	0.800000	0.040000
529	4	401	21	23	438	0.800000	0.040000
530	4	438	23	25	475	0.800000	0.040000
531	4	475	25	27	512	0.800000	0.040000
532	4	512	27	29	549	0.800000	0.040000
533	4	549	29	3	31	0.800000	0.040000

Table: Connectivity - Area, Part 2 of 2

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
2	0.009000	-1.30000	0.00000	7.47500	
3	0.009000	-1.10000	0.00000	7.47500	
4	0.009000	-0.90000	0.00000	7.47500	
5	0.009000	-0.70000	0.00000	7.47500	
6	0.009000	-0.50000	0.00000	7.47500	
7	0.009000	-0.30000	0.00000	7.47500	
8	0.009000	-0.10000	0.00000	7.47500	
9	0.009000	0.10000	0.00000	7.47500	
10	0.009000	0.30000	0.00000	7.47500	
11	0.009000	0.50000	0.00000	7.47500	
12	0.009000	0.70000	0.00000	7.47500	
13	0.009000	0.90000	0.00000	7.47500	
14	0.009000	1.10000	0.00000	7.47500	
15	0.009000	1.30000	0.00000	7.47500	
16	0.012000	-1.30000	0.00000	7.30000	
17	0.012000	-1.10000	0.00000	7.30000	
18	0.012000	-0.90000	0.00000	7.30000	
19	0.012000	-0.70000	0.00000	7.30000	
20	0.012000	-0.50000	0.00000	7.30000	
21	0.012000	-0.30000	0.00000	7.30000	
22	0.012000	-0.10000	0.00000	7.30000	
23	0.012000	0.10000	0.00000	7.30000	

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24	0.012000	0.30000	0.00000	7.30000
25	0.012000	0.50000	0.00000	7.30000
26	0.012000	0.70000	0.00000	7.30000
27	0.012000	0.90000	0.00000	7.30000
28	0.012000	1.10000	0.00000	7.30000
29	0.012000	1.30000	0.00000	7.30000
30	0.012000	-1.30000	0.00000	7.10000
31	0.012000	-1.10000	0.00000	7.10000
32	0.012000	-0.90000	0.00000	7.10000
33	0.012000	-0.70000	0.00000	7.10000
34	0.012000	-0.50000	0.00000	7.10000
35	0.012000	-0.30000	0.00000	7.10000
36	0.012000	-0.10000	0.00000	7.10000
37	0.012000	0.10000	0.00000	7.10000
38	0.012000	0.30000	0.00000	7.10000
39	0.012000	0.50000	0.00000	7.10000
40	0.012000	0.70000	0.00000	7.10000
41	0.012000	0.90000	0.00000	7.10000
42	0.012000	1.10000	0.00000	7.10000
43	0.012000	1.30000	0.00000	7.10000
44	0.012000	-1.30000	0.00000	6.90000
45	0.012000	-1.10000	0.00000	6.90000
46	0.012000	-0.90000	0.00000	6.90000
47	0.012000	-0.70000	0.00000	6.90000
48	0.012000	-0.50000	0.00000	6.90000
49	0.012000	-0.30000	0.00000	6.90000
50	0.012000	-0.10000	0.00000	6.90000
51	0.012000	0.10000	0.00000	6.90000
52	0.012000	0.30000	0.00000	6.90000
53	0.012000	0.50000	0.00000	6.90000
54	0.012000	0.70000	0.00000	6.90000
55	0.012000	0.90000	0.00000	6.90000
56	0.012000	1.10000	0.00000	6.90000
57	0.012000	1.30000	0.00000	6.90000
58	0.012000	-1.30000	0.00000	6.70000
59	0.012000	-1.10000	0.00000	6.70000
60	0.012000	-0.90000	0.00000	6.70000
61	0.012000	-0.70000	0.00000	6.70000
62	0.012000	-0.50000	0.00000	6.70000
63	0.012000	-0.30000	0.00000	6.70000
64	0.012000	-0.10000	0.00000	6.70000
65	0.012000	0.10000	0.00000	6.70000
66	0.012000	0.30000	0.00000	6.70000
67	0.012000	0.50000	0.00000	6.70000
68	0.012000	0.70000	0.00000	6.70000
69	0.012000	0.90000	0.00000	6.70000
70	0.012000	1.10000	0.00000	6.70000
71	0.012000	1.30000	0.00000	6.70000
72	0.012000	-1.30000	0.00000	6.50000
73	0.012000	-1.10000	0.00000	6.50000
74	0.012000	-0.90000	0.00000	6.50000
75	0.012000	-0.70000	0.00000	6.50000
76	0.012000	-0.50000	0.00000	6.50000
77	0.012000	-0.30000	0.00000	6.50000
78	0.012000	-0.10000	0.00000	6.50000
79	0.012000	0.10000	0.00000	6.50000
80	0.012000	0.30000	0.00000	6.50000
81	0.012000	0.50000	0.00000	6.50000
82	0.012000	0.70000	0.00000	6.50000
83	0.012000	0.90000	0.00000	6.50000
84	0.012000	1.10000	0.00000	6.50000
85	0.012000	1.30000	0.00000	6.50000
86	0.012000	-1.30000	0.00000	6.30000
87	0.012000	-1.10000	0.00000	6.30000
88	0.012000	-0.90000	0.00000	6.30000
89	0.012000	-0.70000	0.00000	6.30000
90	0.012000	-0.50000	0.00000	6.30000
91	0.012000	-0.30000	0.00000	6.30000
92	0.012000	-0.10000	0.00000	6.30000

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93	0.012000	0.10000	0.00000	6.30000
94	0.012000	0.30000	0.00000	6.30000
95	0.012000	0.50000	0.00000	6.30000
96	0.012000	0.70000	0.00000	6.30000
97	0.012000	0.90000	0.00000	6.30000
98	0.012000	1.10000	0.00000	6.30000
99	0.012000	1.30000	0.00000	6.30000
100	0.012000	-1.30000	0.00000	6.10000
101	0.012000	-1.10000	0.00000	6.10000
102	0.012000	-0.90000	0.00000	6.10000
103	0.012000	-0.70000	0.00000	6.10000
104	0.012000	-0.50000	0.00000	6.10000
105	0.012000	-0.30000	0.00000	6.10000
106	0.012000	-0.10000	0.00000	6.10000
107	0.012000	0.10000	0.00000	6.10000
108	0.012000	0.30000	0.00000	6.10000
109	0.012000	0.50000	0.00000	6.10000
110	0.012000	0.70000	0.00000	6.10000
111	0.012000	0.90000	0.00000	6.10000
112	0.012000	1.10000	0.00000	6.10000
113	0.012000	1.30000	0.00000	6.10000
114	0.012000	-1.30000	0.00000	5.90000
115	0.012000	-1.10000	0.00000	5.90000
116	0.012000	-0.90000	0.00000	5.90000
117	0.012000	-0.70000	0.00000	5.90000
118	0.012000	-0.50000	0.00000	5.90000
119	0.012000	-0.30000	0.00000	5.90000
120	0.012000	-0.10000	0.00000	5.90000
121	0.012000	0.10000	0.00000	5.90000
122	0.012000	0.30000	0.00000	5.90000
123	0.012000	0.50000	0.00000	5.90000
124	0.012000	0.70000	0.00000	5.90000
125	0.012000	0.90000	0.00000	5.90000
126	0.012000	1.10000	0.00000	5.90000
127	0.012000	1.30000	0.00000	5.90000
128	0.015000	-1.30000	0.00000	5.67500
129	0.015000	-1.10000	0.00000	5.67500
130	0.015000	-0.90000	0.00000	5.67500
131	0.015000	-0.70000	0.00000	5.67500
132	0.015000	-0.50000	0.00000	5.67500
133	0.015000	-0.30000	0.00000	5.67500
134	0.015000	-0.10000	0.00000	5.67500
135	0.015000	0.10000	0.00000	5.67500
136	0.015000	0.30000	0.00000	5.67500
137	0.015000	0.50000	0.00000	5.67500
138	0.015000	0.70000	0.00000	5.67500
139	0.015000	0.90000	0.00000	5.67500
140	0.015000	1.10000	0.00000	5.67500
141	0.015000	1.30000	0.00000	5.67500
142	0.009000	-1.30000	0.00000	5.47500
143	0.009000	-1.10000	0.00000	5.47500
144	0.009000	-0.90000	0.00000	5.47500
145	0.009000	-0.70000	0.00000	5.47500
146	0.009000	-0.50000	0.00000	5.47500
147	0.009000	-0.30000	0.00000	5.47500
148	0.009000	-0.10000	0.00000	5.47500
149	0.009000	0.10000	0.00000	5.47500
150	0.009000	0.30000	0.00000	5.47500
151	0.009000	0.50000	0.00000	5.47500
152	0.009000	0.70000	0.00000	5.47500
153	0.009000	0.90000	0.00000	5.47500
154	0.009000	1.10000	0.00000	5.47500
155	0.009000	1.30000	0.00000	5.47500
156	0.012000	-1.30000	0.00000	5.30000
157	0.012000	-1.10000	0.00000	5.30000
158	0.012000	-0.90000	0.00000	5.30000
159	0.012000	-0.70000	0.00000	5.30000
160	0.012000	-0.50000	0.00000	5.30000
161	0.012000	-0.30000	0.00000	5.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

162	0.012000	-0.10000	0.00000	5.30000
163	0.012000	0.10000	0.00000	5.30000
164	0.012000	0.30000	0.00000	5.30000
165	0.012000	0.50000	0.00000	5.30000
166	0.012000	0.70000	0.00000	5.30000
167	0.012000	0.90000	0.00000	5.30000
168	0.012000	1.10000	0.00000	5.30000
169	0.012000	1.30000	0.00000	5.30000
170	0.012000	-1.30000	0.00000	5.10000
171	0.012000	-1.10000	0.00000	5.10000
172	0.012000	-0.90000	0.00000	5.10000
173	0.012000	-0.70000	0.00000	5.10000
174	0.012000	-0.50000	0.00000	5.10000
175	0.012000	-0.30000	0.00000	5.10000
176	0.012000	-0.10000	0.00000	5.10000
177	0.012000	0.10000	0.00000	5.10000
178	0.012000	0.30000	0.00000	5.10000
179	0.012000	0.50000	0.00000	5.10000
180	0.012000	0.70000	0.00000	5.10000
181	0.012000	0.90000	0.00000	5.10000
182	0.012000	1.10000	0.00000	5.10000
183	0.012000	1.30000	0.00000	5.10000
184	0.012000	-1.30000	0.00000	4.90000
185	0.012000	-1.10000	0.00000	4.90000
186	0.012000	-0.90000	0.00000	4.90000
187	0.012000	-0.70000	0.00000	4.90000
188	0.012000	-0.50000	0.00000	4.90000
189	0.012000	-0.30000	0.00000	4.90000
190	0.012000	-0.10000	0.00000	4.90000
191	0.012000	0.10000	0.00000	4.90000
192	0.012000	0.30000	0.00000	4.90000
193	0.012000	0.50000	0.00000	4.90000
194	0.012000	0.70000	0.00000	4.90000
195	0.012000	0.90000	0.00000	4.90000
196	0.012000	1.10000	0.00000	4.90000
197	0.012000	1.30000	0.00000	4.90000
198	0.012000	-1.30000	0.00000	4.70000
199	0.012000	-1.10000	0.00000	4.70000
200	0.012000	-0.90000	0.00000	4.70000
201	0.012000	-0.70000	0.00000	4.70000
202	0.012000	-0.50000	0.00000	4.70000
203	0.012000	-0.30000	0.00000	4.70000
204	0.012000	-0.10000	0.00000	4.70000
205	0.012000	0.10000	0.00000	4.70000
206	0.012000	0.30000	0.00000	4.70000
207	0.012000	0.50000	0.00000	4.70000
208	0.012000	0.70000	0.00000	4.70000
209	0.012000	0.90000	0.00000	4.70000
210	0.012000	1.10000	0.00000	4.70000
211	0.012000	1.30000	0.00000	4.70000
212	0.012000	-1.30000	0.00000	4.50000
213	0.012000	-1.10000	0.00000	4.50000
214	0.012000	-0.90000	0.00000	4.50000
215	0.012000	-0.70000	0.00000	4.50000
216	0.012000	-0.50000	0.00000	4.50000
217	0.012000	-0.30000	0.00000	4.50000
218	0.012000	-0.10000	0.00000	4.50000
219	0.012000	0.10000	0.00000	4.50000
220	0.012000	0.30000	0.00000	4.50000
221	0.012000	0.50000	0.00000	4.50000
222	0.012000	0.70000	0.00000	4.50000
223	0.012000	0.90000	0.00000	4.50000
224	0.012000	1.10000	0.00000	4.50000
225	0.012000	1.30000	0.00000	4.50000
226	0.012000	-1.30000	0.00000	4.30000
227	0.012000	-1.10000	0.00000	4.30000
228	0.012000	-0.90000	0.00000	4.30000
229	0.012000	-0.70000	0.00000	4.30000
230	0.012000	-0.50000	0.00000	4.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

231	0.012000	-0.30000	0.00000	4.30000
232	0.012000	-0.10000	0.00000	4.30000
233	0.012000	0.10000	0.00000	4.30000
234	0.012000	0.30000	0.00000	4.30000
235	0.012000	0.50000	0.00000	4.30000
236	0.012000	0.70000	0.00000	4.30000
237	0.012000	0.90000	0.00000	4.30000
238	0.012000	1.10000	0.00000	4.30000
239	0.012000	1.30000	0.00000	4.30000
240	0.012000	-1.30000	0.00000	4.10000
241	0.012000	-1.10000	0.00000	4.10000
242	0.012000	-0.90000	0.00000	4.10000
243	0.012000	-0.70000	0.00000	4.10000
244	0.012000	-0.50000	0.00000	4.10000
245	0.012000	-0.30000	0.00000	4.10000
246	0.012000	-0.10000	0.00000	4.10000
247	0.012000	0.10000	0.00000	4.10000
248	0.012000	0.30000	0.00000	4.10000
249	0.012000	0.50000	0.00000	4.10000
250	0.012000	0.70000	0.00000	4.10000
251	0.012000	0.90000	0.00000	4.10000
252	0.012000	1.10000	0.00000	4.10000
253	0.012000	1.30000	0.00000	4.10000
254	0.012000	-1.30000	0.00000	3.90000
255	0.012000	-1.10000	0.00000	3.90000
256	0.012000	-0.90000	0.00000	3.90000
257	0.012000	-0.70000	0.00000	3.90000
258	0.012000	-0.50000	0.00000	3.90000
259	0.012000	-0.30000	0.00000	3.90000
260	0.012000	-0.10000	0.00000	3.90000
261	0.012000	0.10000	0.00000	3.90000
262	0.012000	0.30000	0.00000	3.90000
263	0.012000	0.50000	0.00000	3.90000
264	0.012000	0.70000	0.00000	3.90000
265	0.012000	0.90000	0.00000	3.90000
266	0.012000	1.10000	0.00000	3.90000
267	0.012000	1.30000	0.00000	3.90000
268	0.012000	-1.30000	0.00000	3.70000
269	0.012000	-1.10000	0.00000	3.70000
270	0.012000	-0.90000	0.00000	3.70000
271	0.012000	-0.70000	0.00000	3.70000
272	0.012000	-0.50000	0.00000	3.70000
273	0.012000	-0.30000	0.00000	3.70000
274	0.012000	-0.10000	0.00000	3.70000
275	0.012000	0.10000	0.00000	3.70000
276	0.012000	0.30000	0.00000	3.70000
277	0.012000	0.50000	0.00000	3.70000
278	0.012000	0.70000	0.00000	3.70000
279	0.012000	0.90000	0.00000	3.70000
280	0.012000	1.10000	0.00000	3.70000
281	0.012000	1.30000	0.00000	3.70000
282	0.012000	-1.30000	0.00000	3.50000
283	0.012000	-1.10000	0.00000	3.50000
284	0.012000	-0.90000	0.00000	3.50000
285	0.012000	-0.70000	0.00000	3.50000
286	0.012000	-0.50000	0.00000	3.50000
287	0.012000	-0.30000	0.00000	3.50000
288	0.012000	-0.10000	0.00000	3.50000
289	0.012000	0.10000	0.00000	3.50000
290	0.012000	0.30000	0.00000	3.50000
291	0.012000	0.50000	0.00000	3.50000
292	0.012000	0.70000	0.00000	3.50000
293	0.012000	0.90000	0.00000	3.50000
294	0.012000	1.10000	0.00000	3.50000
295	0.012000	1.30000	0.00000	3.50000
296	0.012000	-1.30000	0.00000	3.30000
297	0.012000	-1.10000	0.00000	3.30000
298	0.012000	-0.90000	0.00000	3.30000
299	0.012000	-0.70000	0.00000	3.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

300	0.012000	-0.50000	0.00000	3.30000
301	0.012000	-0.30000	0.00000	3.30000
302	0.012000	-0.10000	0.00000	3.30000
303	0.012000	0.10000	0.00000	3.30000
304	0.012000	0.30000	0.00000	3.30000
305	0.012000	0.50000	0.00000	3.30000
306	0.012000	0.70000	0.00000	3.30000
307	0.012000	0.90000	0.00000	3.30000
308	0.012000	1.10000	0.00000	3.30000
309	0.012000	1.30000	0.00000	3.30000
310	0.012000	-1.30000	0.00000	3.10000
311	0.012000	-1.10000	0.00000	3.10000
312	0.012000	-0.90000	0.00000	3.10000
313	0.012000	-0.70000	0.00000	3.10000
314	0.012000	-0.50000	0.00000	3.10000
315	0.012000	-0.30000	0.00000	3.10000
316	0.012000	-0.10000	0.00000	3.10000
317	0.012000	0.10000	0.00000	3.10000
318	0.012000	0.30000	0.00000	3.10000
319	0.012000	0.50000	0.00000	3.10000
320	0.012000	0.70000	0.00000	3.10000
321	0.012000	0.90000	0.00000	3.10000
322	0.012000	1.10000	0.00000	3.10000
323	0.012000	1.30000	0.00000	3.10000
324	0.012000	-1.30000	0.00000	2.90000
325	0.012000	-1.10000	0.00000	2.90000
326	0.012000	-0.90000	0.00000	2.90000
327	0.012000	-0.70000	0.00000	2.90000
328	0.012000	-0.50000	0.00000	2.90000
329	0.012000	-0.30000	0.00000	2.90000
330	0.012000	-0.10000	0.00000	2.90000
331	0.012000	0.10000	0.00000	2.90000
332	0.012000	0.30000	0.00000	2.90000
333	0.012000	0.50000	0.00000	2.90000
334	0.012000	0.70000	0.00000	2.90000
335	0.012000	0.90000	0.00000	2.90000
336	0.012000	1.10000	0.00000	2.90000
337	0.012000	1.30000	0.00000	2.90000
338	0.012000	-1.30000	0.00000	2.70000
339	0.012000	-1.10000	0.00000	2.70000
340	0.012000	-0.90000	0.00000	2.70000
341	0.012000	-0.70000	0.00000	2.70000
342	0.012000	-0.50000	0.00000	2.70000
343	0.012000	-0.30000	0.00000	2.70000
344	0.012000	-0.10000	0.00000	2.70000
345	0.012000	0.10000	0.00000	2.70000
346	0.012000	0.30000	0.00000	2.70000
347	0.012000	0.50000	0.00000	2.70000
348	0.012000	0.70000	0.00000	2.70000
349	0.012000	0.90000	0.00000	2.70000
350	0.012000	1.10000	0.00000	2.70000
351	0.012000	1.30000	0.00000	2.70000
352	0.012000	-1.30000	0.00000	2.50000
353	0.012000	-1.10000	0.00000	2.50000
354	0.012000	-0.90000	0.00000	2.50000
355	0.012000	-0.70000	0.00000	2.50000
356	0.012000	-0.50000	0.00000	2.50000
357	0.012000	-0.30000	0.00000	2.50000
358	0.012000	-0.10000	0.00000	2.50000
359	0.012000	0.10000	0.00000	2.50000
360	0.012000	0.30000	0.00000	2.50000
361	0.012000	0.50000	0.00000	2.50000
362	0.012000	0.70000	0.00000	2.50000
363	0.012000	0.90000	0.00000	2.50000
364	0.012000	1.10000	0.00000	2.50000
365	0.012000	1.30000	0.00000	2.50000
366	0.012000	-1.30000	0.00000	2.30000
367	0.012000	-1.10000	0.00000	2.30000
368	0.012000	-0.90000	0.00000	2.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

369	0.012000	-0.70000	0.00000	2.30000
370	0.012000	-0.50000	0.00000	2.30000
371	0.012000	-0.30000	0.00000	2.30000
372	0.012000	-0.10000	0.00000	2.30000
373	0.012000	0.10000	0.00000	2.30000
374	0.012000	0.30000	0.00000	2.30000
375	0.012000	0.50000	0.00000	2.30000
376	0.012000	0.70000	0.00000	2.30000
377	0.012000	0.90000	0.00000	2.30000
378	0.012000	1.10000	0.00000	2.30000
379	0.012000	1.30000	0.00000	2.30000
380	0.012000	-1.30000	0.00000	2.10000
381	0.012000	-1.10000	0.00000	2.10000
382	0.012000	-0.90000	0.00000	2.10000
383	0.012000	-0.70000	0.00000	2.10000
384	0.012000	-0.50000	0.00000	2.10000
385	0.012000	-0.30000	0.00000	2.10000
386	0.012000	-0.10000	0.00000	2.10000
387	0.012000	0.10000	0.00000	2.10000
388	0.012000	0.30000	0.00000	2.10000
389	0.012000	0.50000	0.00000	2.10000
390	0.012000	0.70000	0.00000	2.10000
391	0.012000	0.90000	0.00000	2.10000
392	0.012000	1.10000	0.00000	2.10000
393	0.012000	1.30000	0.00000	2.10000
394	0.012000	-1.30000	0.00000	1.90000
395	0.012000	-1.10000	0.00000	1.90000
396	0.012000	-0.90000	0.00000	1.90000
397	0.012000	-0.70000	0.00000	1.90000
398	0.012000	-0.50000	0.00000	1.90000
399	0.012000	-0.30000	0.00000	1.90000
400	0.012000	-0.10000	0.00000	1.90000
401	0.012000	0.10000	0.00000	1.90000
402	0.012000	0.30000	0.00000	1.90000
403	0.012000	0.50000	0.00000	1.90000
404	0.012000	0.70000	0.00000	1.90000
405	0.012000	0.90000	0.00000	1.90000
406	0.012000	1.10000	0.00000	1.90000
407	0.012000	1.30000	0.00000	1.90000
408	0.012000	-1.30000	0.00000	1.70000
409	0.012000	-1.10000	0.00000	1.70000
410	0.012000	-0.90000	0.00000	1.70000
411	0.012000	-0.70000	0.00000	1.70000
412	0.012000	-0.50000	0.00000	1.70000
413	0.012000	-0.30000	0.00000	1.70000
414	0.012000	-0.10000	0.00000	1.70000
415	0.012000	0.10000	0.00000	1.70000
416	0.012000	0.30000	0.00000	1.70000
417	0.012000	0.50000	0.00000	1.70000
418	0.012000	0.70000	0.00000	1.70000
419	0.012000	0.90000	0.00000	1.70000
420	0.012000	1.10000	0.00000	1.70000
421	0.012000	1.30000	0.00000	1.70000
422	0.012000	-1.30000	0.00000	1.50000
423	0.012000	-1.10000	0.00000	1.50000
424	0.012000	-0.90000	0.00000	1.50000
425	0.012000	-0.70000	0.00000	1.50000
426	0.012000	-0.50000	0.00000	1.50000
427	0.012000	-0.30000	0.00000	1.50000
428	0.012000	-0.10000	0.00000	1.50000
429	0.012000	0.10000	0.00000	1.50000
430	0.012000	0.30000	0.00000	1.50000
431	0.012000	0.50000	0.00000	1.50000
432	0.012000	0.70000	0.00000	1.50000
433	0.012000	0.90000	0.00000	1.50000
434	0.012000	1.10000	0.00000	1.50000
435	0.012000	1.30000	0.00000	1.50000
436	0.012000	-1.30000	0.00000	1.30000
437	0.012000	-1.10000	0.00000	1.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

438	0.012000	-0.90000	0.00000	1.30000
439	0.012000	-0.70000	0.00000	1.30000
440	0.012000	-0.50000	0.00000	1.30000
441	0.012000	-0.30000	0.00000	1.30000
442	0.012000	-0.10000	0.00000	1.30000
443	0.012000	0.10000	0.00000	1.30000
444	0.012000	0.30000	0.00000	1.30000
445	0.012000	0.50000	0.00000	1.30000
446	0.012000	0.70000	0.00000	1.30000
447	0.012000	0.90000	0.00000	1.30000
448	0.012000	1.10000	0.00000	1.30000
449	0.012000	1.30000	0.00000	1.30000
450	0.012000	-1.30000	0.00000	1.10000
451	0.012000	-1.10000	0.00000	1.10000
452	0.012000	-0.90000	0.00000	1.10000
453	0.012000	-0.70000	0.00000	1.10000
454	0.012000	-0.50000	0.00000	1.10000
455	0.012000	-0.30000	0.00000	1.10000
456	0.012000	-0.10000	0.00000	1.10000
457	0.012000	0.10000	0.00000	1.10000
458	0.012000	0.30000	0.00000	1.10000
459	0.012000	0.50000	0.00000	1.10000
460	0.012000	0.70000	0.00000	1.10000
461	0.012000	0.90000	0.00000	1.10000
462	0.012000	1.10000	0.00000	1.10000
463	0.012000	1.30000	0.00000	1.10000
464	0.012000	-1.30000	0.00000	0.90000
465	0.012000	-1.10000	0.00000	0.90000
466	0.012000	-0.90000	0.00000	0.90000
467	0.012000	-0.70000	0.00000	0.90000
468	0.012000	-0.50000	0.00000	0.90000
469	0.012000	-0.30000	0.00000	0.90000
470	0.012000	-0.10000	0.00000	0.90000
471	0.012000	0.10000	0.00000	0.90000
472	0.012000	0.30000	0.00000	0.90000
473	0.012000	0.50000	0.00000	0.90000
474	0.012000	0.70000	0.00000	0.90000
475	0.012000	0.90000	0.00000	0.90000
476	0.012000	1.10000	0.00000	0.90000
477	0.012000	1.30000	0.00000	0.90000
478	0.012000	-1.30000	0.00000	0.70000
479	0.012000	-1.10000	0.00000	0.70000
480	0.012000	-0.90000	0.00000	0.70000
481	0.012000	-0.70000	0.00000	0.70000
482	0.012000	-0.50000	0.00000	0.70000
483	0.012000	-0.30000	0.00000	0.70000
484	0.012000	-0.10000	0.00000	0.70000
485	0.012000	0.10000	0.00000	0.70000
486	0.012000	0.30000	0.00000	0.70000
487	0.012000	0.50000	0.00000	0.70000
488	0.012000	0.70000	0.00000	0.70000
489	0.012000	0.90000	0.00000	0.70000
490	0.012000	1.10000	0.00000	0.70000
491	0.012000	1.30000	0.00000	0.70000
492	0.012000	-1.30000	0.00000	0.50000
493	0.012000	-1.10000	0.00000	0.50000
494	0.012000	-0.90000	0.00000	0.50000
495	0.012000	-0.70000	0.00000	0.50000
496	0.012000	-0.50000	0.00000	0.50000
497	0.012000	-0.30000	0.00000	0.50000
498	0.012000	-0.10000	0.00000	0.50000
499	0.012000	0.10000	0.00000	0.50000
500	0.012000	0.30000	0.00000	0.50000
501	0.012000	0.50000	0.00000	0.50000
502	0.012000	0.70000	0.00000	0.50000
503	0.012000	0.90000	0.00000	0.50000
504	0.012000	1.10000	0.00000	0.50000
505	0.012000	1.30000	0.00000	0.50000
506	0.012000	-1.30000	0.00000	0.30000



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507	0.012000	-1.10000	0.00000	0.30000
508	0.012000	-0.90000	0.00000	0.30000
509	0.012000	-0.70000	0.00000	0.30000
510	0.012000	-0.50000	0.00000	0.30000
511	0.012000	-0.30000	0.00000	0.30000
512	0.012000	-0.10000	0.00000	0.30000
513	0.012000	0.10000	0.00000	0.30000
514	0.012000	0.30000	0.00000	0.30000
515	0.012000	0.50000	0.00000	0.30000
516	0.012000	0.70000	0.00000	0.30000
517	0.012000	0.90000	0.00000	0.30000
518	0.012000	1.10000	0.00000	0.30000
519	0.012000	1.30000	0.00000	0.30000
520	0.012000	-1.30000	0.00000	0.10000
521	0.012000	-1.10000	0.00000	0.10000
522	0.012000	-0.90000	0.00000	0.10000
523	0.012000	-0.70000	0.00000	0.10000
524	0.012000	-0.50000	0.00000	0.10000
525	0.012000	-0.30000	0.00000	0.10000
526	0.012000	-0.10000	0.00000	0.10000
527	0.012000	0.10000	0.00000	0.10000
528	0.012000	0.30000	0.00000	0.10000
529	0.012000	0.50000	0.00000	0.10000
530	0.012000	0.70000	0.00000	0.10000
531	0.012000	0.90000	0.00000	0.10000
532	0.012000	1.10000	0.00000	0.10000
533	0.012000	1.30000	0.00000	0.10000

Table: Element Forces - Area Shells

Area	AreaElem	ShellType	OutputCase	M11 KN-m/m	M22 KN-m/m	V13 KN/m	V23 KN/m
2	1	Shell-Thick	SLU-STATICA	10.7469	2.3001	27.44	0.18
2	1	Shell-Thick	SLU-STATICA	11.9448	2.2383	27.84	0.18
2	1	Shell-Thick	SLU-STATICA	6.3938	0.4260	27.84	-0.35
2	1	Shell-Thick	SLU-STATICA	5.2361	0.3904	27.44	-0.35
2	1	Shell-Thick	SLU-SISMICA	39.3319	8.0762	83.15	0.25
2	1	Shell-Thick	SLU-SISMICA	41.0043	7.9910	83.49	0.25
2	1	Shell-Thick	SLU-SISMICA	24.2960	2.2247	83.49	-0.21
2	1	Shell-Thick	SLU-SISMICA	22.6959	2.1341	83.15	-0.21
2	1	Shell-Thick	SLE-RARA	7.6391	1.6418	19.86	0.13
2	1	Shell-Thick	SLE-RARA	8.5453	1.5950	20.16	0.13
2	1	Shell-Thick	SLE-RARA	4.5267	0.2893	20.16	-0.27
2	1	Shell-Thick	SLE-RARA	3.6505	0.2632	19.86	-0.27
2	1	Shell-Thick	SLE-FREQ.	6.6189	1.4347	17.82	0.13
2	1	Shell-Thick	SLE-FREQ.	7.5006	1.3892	18.12	0.13
2	1	Shell-Thick	SLE-FREQ.	3.8903	0.2270	18.12	-0.27
2	1	Shell-Thick	SLE-FREQ.	3.0375	0.2030	17.82	-0.27
2	1	Shell-Thick	SLE-QP	3.5585	0.8134	11.71	0.12
2	1	Shell-Thick	SLE-QP	4.3662	0.7715	12.01	0.12
2	1	Shell-Thick	SLE-QP	1.9813	0.0402	12.01	-0.28
2	1	Shell-Thick	SLE-QP	1.1984	0.0223	11.71	-0.28
3	2	Shell-Thick	SLU-STATICA	8.5491	0.9391	24.52	-0.48
3	2	Shell-Thick	SLU-STATICA	7.8734	0.8358	24.68	-0.48
3	2	Shell-Thick	SLU-STATICA	2.9450	-0.0979	24.68	-0.70
3	2	Shell-Thick	SLU-STATICA	3.6327	-0.0238	24.52	-0.70
3	2	Shell-Thick	SLU-SISMICA	26.9928	2.6681	71.28	-0.58
3	2	Shell-Thick	SLU-SISMICA	24.4879	2.5885	71.33	-0.58
3	2	Shell-Thick	SLU-SISMICA	10.2253	0.0168	71.33	-0.65
3	2	Shell-Thick	SLU-SISMICA	12.7193	0.1230	71.28	-0.65
3	2	Shell-Thick	SLE-RARA	6.1636	0.6830	17.80	-0.36
3	2	Shell-Thick	SLE-RARA	5.6840	0.6036	17.93	-0.36
3	2	Shell-Thick	SLE-RARA	2.1045	-0.0772	17.93	-0.54
3	2	Shell-Thick	SLE-RARA	2.5939	-0.0211	17.80	-0.54
3	2	Shell-Thick	SLE-FREQ.	5.4932	0.6192	16.08	-0.36
3	2	Shell-Thick	SLE-FREQ.	5.0787	0.5397	16.21	-0.36
3	2	Shell-Thick	SLE-FREQ.	1.8431	-0.0802	16.21	-0.53

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3	2	Shell-Thick	SLE-FREQ.	2.2679	-0.0258	16.08	-0.53
3	2	Shell-Thick	SLE-QP	3.4818	0.4275	10.91	-0.34
3	2	Shell-Thick	SLE-QP	3.2629	0.3480	11.05	-0.34
3	2	Shell-Thick	SLE-QP	1.0590	-0.0893	11.05	-0.52
3	2	Shell-Thick	SLE-QP	1.2902	-0.0397	10.91	-0.52
4	3	Shell-Thick	SLU-STATICA	4.2975	0.1946	20.75	-0.60
4	3	Shell-Thick	SLU-STATICA	4.2309	0.0739	20.92	-0.60
4	3	Shell-Thick	SLU-STATICA	0.0569	0.0260	20.92	-0.83
4	3	Shell-Thick	SLU-STATICA	0.1346	0.1197	20.75	-0.83
4	3	Shell-Thick	SLU-SISMICA	11.8019	0.1630	58.70	-0.40
4	3	Shell-Thick	SLU-SISMICA	11.7414	0.0965	58.87	-0.40
4	3	Shell-Thick	SLU-SISMICA	-0.0173	0.2211	58.87	-0.61
4	3	Shell-Thick	SLU-SISMICA	0.0358	0.3059	58.70	-0.61
4	3	Shell-Thick	SLE-RARA	3.1341	0.1494	15.10	-0.46
4	3	Shell-Thick	SLE-RARA	3.0830	0.0560	15.23	-0.46
4	3	Shell-Thick	SLE-RARA	0.0450	0.0160	15.23	-0.64
4	3	Shell-Thick	SLE-RARA	0.1049	0.0878	15.10	-0.64
4	3	Shell-Thick	SLE-FREQ.	2.8551	0.1490	13.69	-0.47
4	3	Shell-Thick	SLE-FREQ.	2.8043	0.0547	13.82	-0.47
4	3	Shell-Thick	SLE-FREQ.	0.0470	0.0093	13.82	-0.64
4	3	Shell-Thick	SLE-FREQ.	0.1072	0.0808	13.69	-0.64
4	3	Shell-Thick	SLE-QP	2.0180	0.1477	9.48	-0.47
4	3	Shell-Thick	SLE-QP	1.9682	0.0508	9.61	-0.47
4	3	Shell-Thick	SLE-QP	0.0530	-0.0105	9.61	-0.64
4	3	Shell-Thick	SLE-QP	0.1138	0.0597	9.48	-0.64
5	4	Shell-Thick	SLU-STATICA	0.7552	0.2570	16.59	-0.81
5	4	Shell-Thick	SLU-STATICA	0.5741	0.1163	16.70	-0.81
5	4	Shell-Thick	SLU-STATICA	-2.7596	-0.0929	16.70	-0.96
5	4	Shell-Thick	SLU-STATICA	-2.5720	0.0322	16.59	-0.96
5	4	Shell-Thick	SLU-SISMICA	0.1818	0.3238	46.04	-0.63
5	4	Shell-Thick	SLU-SISMICA	0.0195	0.2398	46.13	-0.63
5	4	Shell-Thick	SLU-SISMICA	-9.1942	-0.3652	46.13	-0.75
5	4	Shell-Thick	SLU-SISMICA	-9.0476	-0.2428	46.04	-0.75
5	4	Shell-Thick	SLE-RARA	0.5890	0.1951	12.09	-0.62
5	4	Shell-Thick	SLE-RARA	0.4501	0.0864	12.17	-0.62
5	4	Shell-Thick	SLE-RARA	-1.9798	-0.0655	12.17	-0.74
5	4	Shell-Thick	SLE-RARA	-1.8356	0.0302	12.09	-0.74
5	4	Shell-Thick	SLE-FREQ.	0.6021	0.1910	10.99	-0.62
5	4	Shell-Thick	SLE-FREQ.	0.4640	0.0815	11.08	-0.62
5	4	Shell-Thick	SLE-FREQ.	-1.7476	-0.0559	11.08	-0.74
5	4	Shell-Thick	SLE-FREQ.	-1.6034	0.0389	10.99	-0.74
5	4	Shell-Thick	SLE-QP	0.6414	0.1786	7.72	-0.62
5	4	Shell-Thick	SLE-QP	0.5056	0.0667	7.80	-0.62
5	4	Shell-Thick	SLE-QP	-1.0510	-0.0270	7.80	-0.74
5	4	Shell-Thick	SLE-QP	-0.9070	0.0653	7.72	-0.74
6	5	Shell-Thick	SLU-STATICA	-2.2816	0.1110	12.07	-0.93
6	5	Shell-Thick	SLU-STATICA	-2.4035	-0.0424	12.14	-0.93
6	5	Shell-Thick	SLU-STATICA	-4.8282	-0.0609	12.14	-1.03
6	5	Shell-Thick	SLU-STATICA	-4.7015	0.0808	12.07	-1.03
6	5	Shell-Thick	SLU-SISMICA	-9.2561	-0.2577	33.05	-0.72
6	5	Shell-Thick	SLU-SISMICA	-9.0128	-0.3557	33.09	-0.72
6	5	Shell-Thick	SLU-SISMICA	-15.6247	-0.3470	33.09	-0.77
6	5	Shell-Thick	SLU-SISMICA	-15.8795	-0.2206	33.05	-0.77
6	5	Shell-Thick	SLE-RARA	-1.6035	0.0923	8.80	-0.72
6	5	Shell-Thick	SLE-RARA	-1.7040	-0.0261	8.86	-0.72
6	5	Shell-Thick	SLE-RARA	-3.4733	-0.0408	8.86	-0.79
6	5	Shell-Thick	SLE-RARA	-3.3687	0.0679	8.80	-0.79
6	5	Shell-Thick	SLE-FREQ.	-1.3571	0.1036	8.02	-0.72
6	5	Shell-Thick	SLE-FREQ.	-1.4688	-0.0155	8.08	-0.72
6	5	Shell-Thick	SLE-FREQ.	-3.0822	-0.0310	8.08	-0.79
6	5	Shell-Thick	SLE-FREQ.	-2.9660	0.0772	8.02	-0.79
6	5	Shell-Thick	SLE-QP	-0.6182	0.1374	5.68	-0.72
6	5	Shell-Thick	SLE-QP	-0.7630	0.0163	5.74	-0.72
6	5	Shell-Thick	SLE-QP	-1.9088	-0.0014	5.74	-0.80
6	5	Shell-Thick	SLE-QP	-1.7579	0.1050	5.68	-0.80
7	6	Shell-Thick	SLU-STATICA	-4.5220	0.1248	7.33	-1.02
7	6	Shell-Thick	SLU-STATICA	-4.6626	-0.0360	7.38	-1.02
7	6	Shell-Thick	SLU-STATICA	-6.1351	-0.0967	7.38	-1.08
7	6	Shell-Thick	SLU-STATICA	-5.9921	0.0581	7.33	-1.08

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7	6	Shell-Thick	SLU-SISMICA	-15.9523	-0.2384	19.90	-0.78
7	6	Shell-Thick	SLU-SISMICA	-15.6487	-0.3486	19.94	-0.78
7	6	Shell-Thick	SLU-SISMICA	-19.6307	-0.5475	19.94	-0.83
7	6	Shell-Thick	SLU-SISMICA	-19.9432	-0.4154	19.90	-0.83
7	6	Shell-Thick	SLE-RARA	-3.2264	0.1028	5.35	-0.78
7	6	Shell-Thick	SLE-RARA	-3.3428	-0.0212	5.39	-0.78
7	6	Shell-Thick	SLE-RARA	-4.4180	-0.0648	5.39	-0.83
7	6	Shell-Thick	SLE-RARA	-4.2994	0.0540	5.35	-0.83
7	6	Shell-Thick	SLE-FREQ.	-2.8168	0.1138	4.88	-0.78
7	6	Shell-Thick	SLE-FREQ.	-2.9467	-0.0106	4.92	-0.78
7	6	Shell-Thick	SLE-FREQ.	-3.9283	-0.0493	4.92	-0.83
7	6	Shell-Thick	SLE-FREQ.	-3.7959	0.0691	4.88	-0.83
7	6	Shell-Thick	SLE-QP	-1.5879	0.1467	3.48	-0.79
7	6	Shell-Thick	SLE-QP	-1.7584	0.0210	3.51	-0.79
7	6	Shell-Thick	SLE-QP	-2.4593	-0.0027	3.51	-0.83
7	6	Shell-Thick	SLE-QP	-2.2852	0.1144	3.48	-0.83
8	7	Shell-Thick	SLU-STATICA	-5.9202	0.0778	2.46	-1.07
8	7	Shell-Thick	SLU-STATICA	-6.0550	-0.0860	2.47	-1.07
8	7	Shell-Thick	SLU-STATICA	-6.5484	-0.0712	2.47	-1.09
8	7	Shell-Thick	SLU-STATICA	-6.4126	0.0902	2.46	-1.09
8	7	Shell-Thick	SLU-SISMICA	-20.0111	-0.4264	6.65	-0.83
8	7	Shell-Thick	SLU-SISMICA	-19.6204	-0.5481	6.64	-0.83
8	7	Shell-Thick	SLU-SISMICA	-20.9488	-0.4821	6.64	-0.83
8	7	Shell-Thick	SLU-SISMICA	-21.3420	-0.3544	6.65	-0.83
8	7	Shell-Thick	SLE-RARA	-4.2416	0.0696	1.79	-0.83
8	7	Shell-Thick	SLE-RARA	-4.3554	-0.0564	1.80	-0.83
8	7	Shell-Thick	SLE-RARA	-4.7157	-0.0461	1.80	-0.84
8	7	Shell-Thick	SLE-RARA	-4.6011	0.0780	1.79	-0.84
8	7	Shell-Thick	SLE-FREQ.	-3.7340	0.0856	1.64	-0.83
8	7	Shell-Thick	SLE-FREQ.	-3.8640	-0.0406	1.65	-0.83
8	7	Shell-Thick	SLE-FREQ.	-4.1932	-0.0321	1.65	-0.84
8	7	Shell-Thick	SLE-FREQ.	-4.0623	0.0919	1.64	-0.84
8	7	Shell-Thick	SLE-QP	-2.2112	0.1335	1.17	-0.83
8	7	Shell-Thick	SLE-QP	-2.3899	0.0069	1.18	-0.83
8	7	Shell-Thick	SLE-QP	-2.6256	0.0100	1.18	-0.84
8	7	Shell-Thick	SLE-QP	-2.4457	0.1336	1.17	-0.84
9	8	Shell-Thick	SLU-STATICA	-6.4126	0.0902	-2.46	-1.09
9	8	Shell-Thick	SLU-STATICA	-6.5484	-0.0712	-2.47	-1.09
9	8	Shell-Thick	SLU-STATICA	-6.0550	-0.0860	-2.47	-1.07
9	8	Shell-Thick	SLU-STATICA	-5.9202	0.0778	-2.46	-1.07
9	8	Shell-Thick	SLU-SISMICA	-21.3420	-0.3544	-6.65	-0.83
9	8	Shell-Thick	SLU-SISMICA	-20.9488	-0.4821	-6.64	-0.83
9	8	Shell-Thick	SLU-SISMICA	-19.6204	-0.5481	-6.64	-0.83
9	8	Shell-Thick	SLU-SISMICA	-20.0111	-0.4264	-6.65	-0.83
9	8	Shell-Thick	SLE-RARA	-4.6011	0.0780	-1.79	-0.84
9	8	Shell-Thick	SLE-RARA	-4.7157	-0.0461	-1.80	-0.84
9	8	Shell-Thick	SLE-RARA	-4.3554	-0.0564	-1.80	-0.83
9	8	Shell-Thick	SLE-RARA	-4.2416	0.0696	-1.79	-0.83
9	8	Shell-Thick	SLE-FREQ.	-4.0623	0.0919	-1.64	-0.84
9	8	Shell-Thick	SLE-FREQ.	-4.1932	-0.0321	-1.65	-0.84
9	8	Shell-Thick	SLE-FREQ.	-3.8640	-0.0406	-1.65	-0.83
9	8	Shell-Thick	SLE-FREQ.	-3.7340	0.0856	-1.64	-0.83
9	8	Shell-Thick	SLE-QP	-2.4457	0.1336	-1.17	-0.84
9	8	Shell-Thick	SLE-QP	-2.6256	0.0100	-1.18	-0.84
9	8	Shell-Thick	SLE-QP	-2.3899	0.0069	-1.18	-0.83
9	8	Shell-Thick	SLE-QP	-2.2112	0.1335	-1.17	-0.83
10	9	Shell-Thick	SLU-STATICA	-5.9921	0.0581	-7.33	-1.08
10	9	Shell-Thick	SLU-STATICA	-6.1351	-0.0967	-7.38	-1.08
10	9	Shell-Thick	SLU-STATICA	-4.6626	-0.0360	-7.38	-1.02
10	9	Shell-Thick	SLU-STATICA	-4.5220	0.1248	-7.33	-1.02
10	9	Shell-Thick	SLU-SISMICA	-19.9432	-0.4154	-19.90	-0.83
10	9	Shell-Thick	SLU-SISMICA	-19.6307	-0.5475	-19.94	-0.83
10	9	Shell-Thick	SLU-SISMICA	-15.6487	-0.3486	-19.94	-0.78
10	9	Shell-Thick	SLU-SISMICA	-15.9523	-0.2384	-19.90	-0.78
10	9	Shell-Thick	SLE-RARA	-4.2994	0.0540	-5.35	-0.83
10	9	Shell-Thick	SLE-RARA	-4.4180	-0.0648	-5.39	-0.83
10	9	Shell-Thick	SLE-RARA	-3.3428	-0.0212	-5.39	-0.78
10	9	Shell-Thick	SLE-RARA	-3.2264	0.1028	-5.35	-0.78
10	9	Shell-Thick	SLE-FREQ.	-3.7959	0.0691	-4.88	-0.83

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10	9	Shell-Thick	SLE-FREQ.	-3.9283	-0.0493	-4.92	-0.83
10	9	Shell-Thick	SLE-FREQ.	-2.9467	-0.0106	-4.92	-0.78
10	9	Shell-Thick	SLE-FREQ.	-2.8168	0.1138	-4.88	-0.78
10	9	Shell-Thick	SLE-QP	-2.2852	0.1144	-3.48	-0.83
10	9	Shell-Thick	SLE-QP	-2.4593	-0.0027	-3.51	-0.83
10	9	Shell-Thick	SLE-QP	-1.7584	0.0210	-3.51	-0.79
10	9	Shell-Thick	SLE-QP	-1.5879	0.1467	-3.48	-0.79
11	10	Shell-Thick	SLU-STATICA	-4.7015	0.0808	-12.07	-1.03
11	10	Shell-Thick	SLU-STATICA	-4.8282	-0.0609	-12.14	-1.03
11	10	Shell-Thick	SLU-STATICA	-2.4035	-0.0424	-12.14	-0.93
11	10	Shell-Thick	SLU-STATICA	-2.2816	0.1110	-12.07	-0.93
11	10	Shell-Thick	SLU-SISMICA	-15.8795	-0.2206	-33.05	-0.77
11	10	Shell-Thick	SLU-SISMICA	-15.6247	-0.3470	-33.09	-0.77
11	10	Shell-Thick	SLU-SISMICA	-9.0128	-0.3557	-33.09	-0.72
11	10	Shell-Thick	SLU-SISMICA	-9.2561	-0.2577	-33.05	-0.72
11	10	Shell-Thick	SLE-RARA	-3.3687	0.0679	-8.80	-0.79
11	10	Shell-Thick	SLE-RARA	-3.4733	-0.0408	-8.86	-0.79
11	10	Shell-Thick	SLE-RARA	-1.7040	-0.0261	-8.86	-0.72
11	10	Shell-Thick	SLE-RARA	-1.6035	0.0923	-8.80	-0.72
11	10	Shell-Thick	SLE-FREQ.	-2.9660	0.0772	-8.02	-0.79
11	10	Shell-Thick	SLE-FREQ.	-3.0822	-0.0310	-8.08	-0.79
11	10	Shell-Thick	SLE-FREQ.	-1.4688	-0.0155	-8.08	-0.72
11	10	Shell-Thick	SLE-FREQ.	-1.3571	0.1036	-8.02	-0.72
11	10	Shell-Thick	SLE-QP	-1.7579	0.1050	-5.68	-0.80
11	10	Shell-Thick	SLE-QP	-1.9088	-0.0014	-5.74	-0.80
11	10	Shell-Thick	SLE-QP	-0.7630	0.0163	-5.74	-0.72
11	10	Shell-Thick	SLE-QP	-0.6182	0.1374	-5.68	-0.72
12	11	Shell-Thick	SLU-STATICA	-2.5720	0.0322	-16.59	-0.96
12	11	Shell-Thick	SLU-STATICA	-2.7596	-0.0929	-16.70	-0.96
12	11	Shell-Thick	SLU-STATICA	0.5741	0.1163	-16.70	-0.81
12	11	Shell-Thick	SLU-STATICA	0.7552	0.2570	-16.59	-0.81
12	11	Shell-Thick	SLU-SISMICA	-9.0476	-0.2428	-46.04	-0.75
12	11	Shell-Thick	SLU-SISMICA	-9.1942	-0.3652	-46.13	-0.75
12	11	Shell-Thick	SLU-SISMICA	0.0195	0.2398	-46.13	-0.63
12	11	Shell-Thick	SLU-SISMICA	0.1818	0.3238	-46.04	-0.63
12	11	Shell-Thick	SLE-RARA	-1.8356	0.0302	-12.09	-0.74
12	11	Shell-Thick	SLE-RARA	-1.9798	-0.0655	-12.17	-0.74
12	11	Shell-Thick	SLE-RARA	0.4501	0.0864	-12.17	-0.62
12	11	Shell-Thick	SLE-RARA	0.5890	0.1951	-12.09	-0.62
12	11	Shell-Thick	SLE-FREQ.	-1.6034	0.0389	-10.99	-0.74
12	11	Shell-Thick	SLE-FREQ.	-1.7476	-0.0559	-11.08	-0.74
12	11	Shell-Thick	SLE-FREQ.	0.4640	0.0815	-11.08	-0.62
12	11	Shell-Thick	SLE-FREQ.	0.6021	0.1910	-10.99	-0.62
12	11	Shell-Thick	SLE-QP	-0.9070	0.0653	-7.72	-0.74
12	11	Shell-Thick	SLE-QP	-1.0510	-0.0270	-7.80	-0.74
12	11	Shell-Thick	SLE-QP	0.5056	0.0667	-7.80	-0.62
12	11	Shell-Thick	SLE-QP	0.6414	0.1786	-7.72	-0.62
12	12	Shell-Thick	SLU-STATICA	0.1346	0.1197	-20.75	-0.83
13	12	Shell-Thick	SLU-STATICA	0.0569	0.0260	-20.92	-0.83
13	12	Shell-Thick	SLU-STATICA	4.2309	0.0739	-20.92	-0.60
13	12	Shell-Thick	SLU-STATICA	4.2975	0.1946	-20.75	-0.60
13	12	Shell-Thick	SLU-SISMICA	0.0358	0.3059	-58.70	-0.61
13	12	Shell-Thick	SLU-SISMICA	-0.0172	0.2211	-58.87	-0.61
13	12	Shell-Thick	SLU-SISMICA	11.7414	0.0965	-58.87	-0.40
13	12	Shell-Thick	SLU-SISMICA	11.8019	0.1630	-58.70	-0.40
13	12	Shell-Thick	SLE-RARA	0.1049	0.0878	-15.10	-0.64
13	12	Shell-Thick	SLE-RARA	0.0450	0.0160	-15.23	-0.64
13	12	Shell-Thick	SLE-RARA	3.0830	0.0560	-15.23	-0.46
13	12	Shell-Thick	SLE-RARA	3.1341	0.1494	-15.10	-0.46
13	12	Shell-Thick	SLE-FREQ.	0.1072	0.0808	-13.69	-0.64
13	12	Shell-Thick	SLE-FREQ.	0.0470	0.0093	-13.82	-0.64
13	12	Shell-Thick	SLE-FREQ.	2.8043	0.0547	-13.82	-0.47
13	12	Shell-Thick	SLE-FREQ.	2.8551	0.1490	-13.69	-0.47
13	12	Shell-Thick	SLE-QP	0.1138	0.0597	-9.48	-0.64
13	12	Shell-Thick	SLE-QP	0.0530	-0.0105	-9.61	-0.64
13	12	Shell-Thick	SLE-QP	1.9682	0.0508	-9.61	-0.47
13	12	Shell-Thick	SLE-QP	2.0180	0.1477	-9.48	-0.47
14	13	Shell-Thick	SLU-STATICA	3.6327	-0.0238	-24.52	-0.70
14	13	Shell-Thick	SLU-STATICA	2.9450	-0.0979	-24.68	-0.70

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

14	13	Shell-Thick	SLU-STATICA	7.8734	0.8358	-24.68	-0.48
14	13	Shell-Thick	SLU-STATICA	8.5491	0.9391	-24.52	-0.48
14	13	Shell-Thick	SLU-SISMICA	12.7193	0.1230	-71.28	-0.65
14	13	Shell-Thick	SLU-SISMICA	10.2253	0.0168	-71.33	-0.65
14	13	Shell-Thick	SLU-SISMICA	24.4879	2.5885	-71.33	-0.58
14	13	Shell-Thick	SLU-SISMICA	26.9928	2.6681	-71.28	-0.58
14	13	Shell-Thick	SLE-RARA	2.5939	-0.0211	-17.80	-0.54
14	13	Shell-Thick	SLE-RARA	2.1045	-0.0772	-17.93	-0.54
14	13	Shell-Thick	SLE-RARA	5.6840	0.6036	-17.93	-0.36
14	13	Shell-Thick	SLE-RARA	6.1636	0.6830	-17.80	-0.36
14	13	Shell-Thick	SLE-FREQ.	2.2679	-0.0258	-16.08	-0.53
14	13	Shell-Thick	SLE-FREQ.	1.8431	-0.0802	-16.21	-0.53
14	13	Shell-Thick	SLE-FREQ.	5.0787	0.5397	-16.21	-0.36
14	13	Shell-Thick	SLE-FREQ.	5.4932	0.6192	-16.08	-0.36
14	13	Shell-Thick	SLE-QP	1.2902	-0.0397	-10.91	-0.52
14	13	Shell-Thick	SLE-QP	1.0590	-0.0893	-11.05	-0.52
14	13	Shell-Thick	SLE-QP	3.2629	0.3480	-11.05	-0.34
14	13	Shell-Thick	SLE-QP	3.4818	0.4275	-10.91	-0.34
15	14	Shell-Thick	SLU-STATICA	5.2361	0.3904	-27.44	-0.35
15	14	Shell-Thick	SLU-STATICA	6.3938	0.4260	-27.84	-0.35
15	14	Shell-Thick	SLU-STATICA	11.9448	2.2383	-27.84	0.18
15	14	Shell-Thick	SLU-STATICA	10.7469	2.3001	-27.44	0.18
15	14	Shell-Thick	SLU-SISMICA	22.6959	2.1341	-83.15	-0.21
15	14	Shell-Thick	SLU-SISMICA	24.2960	2.2247	-83.49	-0.21
15	14	Shell-Thick	SLU-SISMICA	41.0043	7.9910	-83.49	0.25
15	14	Shell-Thick	SLU-SISMICA	39.3319	8.0762	-83.15	0.25
15	14	Shell-Thick	SLE-RARA	3.6505	0.2632	-19.86	-0.27
15	14	Shell-Thick	SLE-RARA	4.5267	0.2893	-20.16	-0.27
15	14	Shell-Thick	SLE-RARA	8.5453	1.5950	-20.16	0.13
15	14	Shell-Thick	SLE-RARA	7.6391	1.6418	-19.86	0.13
15	14	Shell-Thick	SLE-FREQ.	3.0375	0.2030	-17.82	-0.27
15	14	Shell-Thick	SLE-FREQ.	3.8903	0.2270	-18.12	-0.27
15	14	Shell-Thick	SLE-FREQ.	7.5006	1.3892	-18.12	0.13
15	14	Shell-Thick	SLE-FREQ.	6.6189	1.4347	-17.82	0.13
15	14	Shell-Thick	SLE-QP	1.1984	0.0223	-11.71	-0.28
15	14	Shell-Thick	SLE-QP	1.9813	0.0402	-12.01	-0.28
15	14	Shell-Thick	SLE-QP	4.3662	0.7715	-12.01	0.12
15	14	Shell-Thick	SLE-QP	3.5585	0.8134	-11.71	0.12
16	15	Shell-Thick	SLU-STATICA	12.1201	2.5842	27.68	0.25
16	15	Shell-Thick	SLU-STATICA	13.0904	2.4579	29.09	0.25
16	15	Shell-Thick	SLU-STATICA	7.3723	1.3039	29.09	-1.16
16	15	Shell-Thick	SLU-STATICA	6.4743	1.3594	27.68	-1.16
16	15	Shell-Thick	SLU-SISMICA	41.3261	8.3496	83.11	0.13
16	15	Shell-Thick	SLU-SISMICA	41.6436	8.2443	84.25	0.13
16	15	Shell-Thick	SLU-SISMICA	24.8750	4.9015	84.25	-1.00
16	15	Shell-Thick	SLU-SISMICA	24.5951	4.9703	83.11	-1.00
16	15	Shell-Thick	SLE-RARA	8.6764	1.8593	20.04	0.19
16	15	Shell-Thick	SLE-RARA	9.4315	1.7623	21.13	0.19
16	15	Shell-Thick	SLE-RARA	5.2829	0.9242	21.13	-0.89
16	15	Shell-Thick	SLE-RARA	4.5839	0.9664	20.04	-0.89
16	15	Shell-Thick	SLE-FREQ.	7.6255	1.6504	18.01	0.20
16	15	Shell-Thick	SLE-FREQ.	8.3946	1.5536	19.10	0.20
16	15	Shell-Thick	SLE-FREQ.	4.6523	0.7962	19.10	-0.89
16	15	Shell-Thick	SLE-FREQ.	3.9397	0.8375	18.01	-0.89
16	15	Shell-Thick	SLE-QP	4.4727	1.0237	11.92	0.20
16	15	Shell-Thick	SLE-QP	5.2841	0.9277	13.00	0.20
16	15	Shell-Thick	SLE-QP	2.7604	0.4121	13.00	-0.87
16	15	Shell-Thick	SLE-QP	2.0073	0.4508	11.92	-0.87
17	16	Shell-Thick	SLU-STATICA	8.0733	1.7512	24.66	-1.04
17	16	Shell-Thick	SLU-STATICA	8.3223	1.4219	25.58	-1.04
17	16	Shell-Thick	SLU-STATICA	3.2649	0.3564	25.58	-1.97
17	16	Shell-Thick	SLU-STATICA	3.0736	0.6290	24.66	-1.97
17	16	Shell-Thick	SLU-SISMICA	24.9610	5.1326	71.39	-0.86
17	16	Shell-Thick	SLU-SISMICA	25.1547	4.8683	72.08	-0.86
17	16	Shell-Thick	SLU-SISMICA	10.7730	1.6233	72.08	-1.55
17	16	Shell-Thick	SLU-SISMICA	10.6260	1.8416	71.39	-1.55
17	16	Shell-Thick	SLE-RARA	5.8313	1.2706	17.91	-0.80
17	16	Shell-Thick	SLE-RARA	6.0228	1.0175	18.62	-0.80
17	16	Shell-Thick	SLE-RARA	2.3445	0.2469	18.62	-1.51

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

17	16	Shell-Thick	SLE-RARA	2.1973	0.4564	17.91	-1.51
17	16	Shell-Thick	SLE-FREQ.	5.2156	1.1462	16.19	-0.80
17	16	Shell-Thick	SLE-FREQ.	5.4070	0.8935	16.90	-0.80
17	16	Shell-Thick	SLE-FREQ.	2.0732	0.2025	16.90	-1.51
17	16	Shell-Thick	SLE-FREQ.	1.9260	0.4118	16.19	-1.51
17	16	Shell-Thick	SLE-QP	3.3683	0.7733	11.02	-0.79
17	16	Shell-Thick	SLE-QP	3.5595	0.5217	11.74	-0.79
17	16	Shell-Thick	SLE-QP	1.2593	0.0696	11.74	-1.51
17	16	Shell-Thick	SLE-QP	1.1121	0.2780	11.02	-1.51
18	17	Shell-Thick	SLU-STATICA	4.3864	0.9338	20.94	-1.90
18	17	Shell-Thick	SLU-STATICA	4.0690	0.4749	21.57	-1.90
18	17	Shell-Thick	SLU-STATICA	-0.2030	-0.0218	21.57	-2.52
18	17	Shell-Thick	SLU-STATICA	0.1488	0.4033	20.94	-2.52
18	17	Shell-Thick	SLU-SISMICA	12.0128	2.0864	59.06	-1.60
18	17	Shell-Thick	SLU-SISMICA	11.1485	1.7309	59.42	-1.60
18	17	Shell-Thick	SLU-SISMICA	-0.7087	0.0848	59.42	-1.96
18	17	Shell-Thick	SLU-SISMICA	0.1537	0.4425	59.06	-1.96
18	17	Shell-Thick	SLE-RARA	3.1996	0.6906	15.24	-1.46
18	17	Shell-Thick	SLE-RARA	2.9680	0.3377	15.73	-1.46
18	17	Shell-Thick	SLE-RARA	-0.1450	-0.0188	15.73	-1.94
18	17	Shell-Thick	SLE-RARA	0.1137	0.3075	15.24	-1.94
18	17	Shell-Thick	SLE-FREQ.	2.9159	0.6457	13.83	-1.45
18	17	Shell-Thick	SLE-FREQ.	2.7046	0.2929	14.32	-1.45
18	17	Shell-Thick	SLE-FREQ.	-0.1268	-0.0221	14.32	-1.94
18	17	Shell-Thick	SLE-FREQ.	0.1124	0.3032	13.83	-1.94
18	17	Shell-Thick	SLE-QP	2.0648	0.5109	9.60	-1.44
18	17	Shell-Thick	SLE-QP	1.9147	0.1584	10.10	-1.44
18	17	Shell-Thick	SLE-QP	-0.0724	-0.0321	10.10	-1.93
18	17	Shell-Thick	SLE-QP	0.1085	0.2902	9.60	-1.93
19	18	Shell-Thick	SLU-STATICA	0.6829	0.5792	16.68	-2.41
19	18	Shell-Thick	SLU-STATICA	0.4210	0.0339	17.17	-2.41
19	18	Shell-Thick	SLU-STATICA	-2.9802	-0.1875	17.17	-2.90
19	18	Shell-Thick	SLU-STATICA	-2.6910	0.3311	16.68	-2.90
19	18	Shell-Thick	SLU-SISMICA	0.0884	0.5289	46.11	-1.81
19	18	Shell-Thick	SLU-SISMICA	-0.0175	0.1235	46.53	-1.81
19	18	Shell-Thick	SLU-SISMICA	-9.2908	-0.6594	46.53	-2.23
19	18	Shell-Thick	SLU-SISMICA	-9.1832	-0.2552	46.11	-2.23
19	18	Shell-Thick	SLE-RARA	0.5342	0.4439	12.16	-1.85
19	18	Shell-Thick	SLE-RARA	0.3307	0.0241	12.53	-1.85
19	18	Shell-Thick	SLE-RARA	-2.1510	-0.1338	12.53	-2.23
19	18	Shell-Thick	SLE-RARA	-1.9263	0.2650	12.16	-2.23
19	18	Shell-Thick	SLE-FREQ.	0.5485	0.4411	11.06	-1.86
19	18	Shell-Thick	SLE-FREQ.	0.3419	0.0209	11.44	-1.86
19	18	Shell-Thick	SLE-FREQ.	-1.9212	-0.1169	11.44	-2.23
19	18	Shell-Thick	SLE-FREQ.	-1.6927	0.2817	11.06	-2.23
19	18	Shell-Thick	SLE-QP	0.5915	0.4329	7.78	-1.86
19	18	Shell-Thick	SLE-QP	0.3756	0.0113	8.16	-1.86
19	18	Shell-Thick	SLE-QP	-1.2317	-0.0662	8.16	-2.23
19	18	Shell-Thick	SLE-QP	-0.9919	0.3320	7.78	-2.23
20	19	Shell-Thick	SLU-STATICA	-2.3063	0.4447	12.14	-2.85
20	19	Shell-Thick	SLU-STATICA	-2.6852	-0.1652	12.46	-2.85
20	19	Shell-Thick	SLU-STATICA	-5.1562	-0.3178	12.46	-3.17
20	19	Shell-Thick	SLU-STATICA	-4.7606	0.2758	12.14	-3.17
20	19	Shell-Thick	SLU-SISMICA	-9.0165	-0.1989	33.15	-2.20
20	19	Shell-Thick	SLU-SISMICA	-9.1687	-0.6579	33.38	-2.20
20	19	Shell-Thick	SLU-SISMICA	-15.8225	-1.2610	33.38	-2.43
20	19	Shell-Thick	SLU-SISMICA	-15.6790	-0.7931	33.15	-2.43
20	19	Shell-Thick	SLE-RARA	-1.6277	0.3530	8.86	-2.19
20	19	Shell-Thick	SLE-RARA	-1.9220	-0.1164	9.11	-2.19
20	19	Shell-Thick	SLE-RARA	-3.7267	-0.2239	9.11	-2.44
20	19	Shell-Thick	SLE-RARA	-3.4192	0.2325	8.86	-2.44
20	19	Shell-Thick	SLE-FREQ.	-1.3899	0.3708	8.08	-2.19
20	19	Shell-Thick	SLE-FREQ.	-1.6887	-0.0989	8.32	-2.19
20	19	Shell-Thick	SLE-FREQ.	-3.3374	-0.1905	8.32	-2.44
20	19	Shell-Thick	SLE-FREQ.	-3.0245	0.2655	8.08	-2.44
20	19	Shell-Thick	SLE-QP	-0.6764	0.4241	5.73	-2.19
20	19	Shell-Thick	SLE-QP	-0.9890	-0.0466	5.98	-2.19
20	19	Shell-Thick	SLE-QP	-2.1694	-0.0904	5.98	-2.44
20	19	Shell-Thick	SLE-QP	-1.8407	0.3645	5.73	-2.44

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

21	20	Shell-Thick	SLU-STATICA	-4.5793	0.3407	7.36	-3.12
21	20	Shell-Thick	SLU-STATICA	-4.9669	-0.3085	7.56	-3.12
21	20	Shell-Thick	SLU-STATICA	-6.4655	-0.3566	7.56	-3.31
21	20	Shell-Thick	SLU-STATICA	-6.0673	0.2822	7.36	-3.31
21	20	Shell-Thick	SLU-SISMICA	-15.7224	-0.7696	19.92	-2.38
21	20	Shell-Thick	SLU-SISMICA	-15.6621	-1.2611	20.08	-2.38
21	20	Shell-Thick	SLU-SISMICA	-19.6648	-1.4768	20.08	-2.54
21	20	Shell-Thick	SLU-SISMICA	-19.7281	-0.9822	19.92	-2.54
21	20	Shell-Thick	SLE-RARA	-3.2760	0.2829	5.38	-2.40
21	20	Shell-Thick	SLE-RARA	-3.5814	-0.2166	5.52	-2.40
21	20	Shell-Thick	SLE-RARA	-4.6766	-0.2500	5.52	-2.55
21	20	Shell-Thick	SLE-RARA	-4.3628	0.2413	5.38	-2.55
21	20	Shell-Thick	SLE-FREQ.	-2.8754	0.3168	4.91	-2.40
21	20	Shell-Thick	SLE-FREQ.	-3.1926	-0.1830	5.06	-2.40
21	20	Shell-Thick	SLE-FREQ.	-4.1941	-0.2105	5.06	-2.55
21	20	Shell-Thick	SLE-FREQ.	-3.8682	0.2807	4.91	-2.55
21	20	Shell-Thick	SLE-QP	-1.6735	0.4184	3.50	-2.40
21	20	Shell-Thick	SLE-QP	-2.0260	-0.0822	3.65	-2.40
21	20	Shell-Thick	SLE-QP	-2.7468	-0.0920	3.65	-2.55
21	20	Shell-Thick	SLE-QP	-2.3844	0.3988	3.50	-2.55
22	21	Shell-Thick	SLU-STATICA	-5.9774	0.3122	2.47	-3.29
22	21	Shell-Thick	SLU-STATICA	-6.3954	-0.3546	2.53	-3.29
22	21	Shell-Thick	SLU-STATICA	-6.8978	-0.3879	2.53	-3.35
22	21	Shell-Thick	SLU-STATICA	-6.4769	0.2761	2.47	-3.35
22	21	Shell-Thick	SLU-SISMICA	-19.7198	-0.9723	6.67	-2.53
22	21	Shell-Thick	SLU-SISMICA	-19.6459	-1.4812	6.71	-2.53
22	21	Shell-Thick	SLU-SISMICA	-20.9828	-1.6237	6.71	-2.57
22	21	Shell-Thick	SLU-SISMICA	-21.0602	-1.1112	6.67	-2.57
22	21	Shell-Thick	SLE-RARA	-4.2924	0.2647	1.81	-2.53
22	21	Shell-Thick	SLE-RARA	-4.6219	-0.2484	1.85	-2.53
22	21	Shell-Thick	SLE-RARA	-4.9892	-0.2716	1.85	-2.58
22	21	Shell-Thick	SLE-RARA	-4.6573	0.2392	1.81	-2.58
22	21	Shell-Thick	SLE-FREQ.	-3.7959	0.3045	1.65	-2.53
22	21	Shell-Thick	SLE-FREQ.	-4.1383	-0.2087	1.70	-2.53
22	21	Shell-Thick	SLE-FREQ.	-4.4744	-0.2281	1.70	-2.58
22	21	Shell-Thick	SLE-FREQ.	-4.1294	0.2826	1.65	-2.58
22	21	Shell-Thick	SLE-QP	-2.3061	0.4239	1.18	-2.53
22	21	Shell-Thick	SLE-QP	-2.6875	-0.0896	1.23	-2.53
22	21	Shell-Thick	SLE-QP	-2.9299	-0.0975	1.23	-2.58
22	21	Shell-Thick	SLE-QP	-2.5454	0.4130	1.18	-2.58
23	22	Shell-Thick	SLU-STATICA	-6.4769	0.2761	-2.47	-3.35
23	22	Shell-Thick	SLU-STATICA	-6.8978	-0.3879	-2.53	-3.35
23	22	Shell-Thick	SLU-STATICA	-6.3954	-0.3546	-2.53	-3.29
23	22	Shell-Thick	SLU-STATICA	-5.9774	0.3122	-2.47	-3.29
23	22	Shell-Thick	SLU-SISMICA	-21.0602	-1.1112	-6.67	-2.57
23	22	Shell-Thick	SLU-SISMICA	-20.9828	-1.6237	-6.71	-2.57
23	22	Shell-Thick	SLU-SISMICA	-19.6459	-1.4812	-6.71	-2.53
23	22	Shell-Thick	SLU-SISMICA	-19.7198	-0.9723	-6.67	-2.53
23	22	Shell-Thick	SLE-RARA	-4.6573	0.2392	-1.81	-2.58
23	22	Shell-Thick	SLE-RARA	-4.9892	-0.2716	-1.85	-2.58
23	22	Shell-Thick	SLE-RARA	-4.6219	-0.2484	-1.85	-2.53
23	22	Shell-Thick	SLE-RARA	-4.2924	0.2647	-1.81	-2.53
23	22	Shell-Thick	SLE-FREQ.	-4.1294	0.2826	-1.65	-2.58
23	22	Shell-Thick	SLE-FREQ.	-4.4744	-0.2281	-1.70	-2.58
23	22	Shell-Thick	SLE-FREQ.	-4.1383	-0.2087	-1.70	-2.53
23	22	Shell-Thick	SLE-FREQ.	-3.7959	0.3045	-1.65	-2.53
23	22	Shell-Thick	SLE-QP	-2.5454	0.4130	-1.18	-2.58
23	22	Shell-Thick	SLE-QP	-2.9299	-0.0975	-1.23	-2.58
23	22	Shell-Thick	SLE-QP	-2.6875	-0.0896	-1.23	-2.53
23	22	Shell-Thick	SLE-QP	-2.3061	0.4239	-1.18	-2.53
24	23	Shell-Thick	SLU-STATICA	-6.0673	0.2822	-7.36	-3.31
24	23	Shell-Thick	SLU-STATICA	-6.4655	-0.3566	-7.56	-3.31
24	23	Shell-Thick	SLU-STATICA	-4.9669	-0.3085	-7.56	-3.12
24	23	Shell-Thick	SLU-STATICA	-4.5793	0.3407	-7.36	-3.12
24	23	Shell-Thick	SLU-SISMICA	-19.7281	-0.9822	-19.92	-2.54
24	23	Shell-Thick	SLU-SISMICA	-19.6648	-1.4768	-20.08	-2.54
24	23	Shell-Thick	SLU-SISMICA	-15.6621	-1.2611	-20.08	-2.38
24	23	Shell-Thick	SLU-SISMICA	-15.7224	-0.7696	-19.92	-2.38
24	23	Shell-Thick	SLE-RARA	-4.3628	0.2413	-5.38	-2.55



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24	23	Shell-Thick	SLE-RARA	-4.6766	-0.2500	-5.52	-2.55
24	23	Shell-Thick	SLE-RARA	-3.5814	-0.2166	-5.52	-2.40
24	23	Shell-Thick	SLE-RARA	-3.2760	0.2829	-5.38	-2.40
24	23	Shell-Thick	SLE-FREQ.	-3.8682	0.2807	-4.91	-2.55
24	23	Shell-Thick	SLE-FREQ.	-4.1941	-0.2105	-5.06	-2.55
24	23	Shell-Thick	SLE-FREQ.	-3.1926	-0.1830	-5.06	-2.40
24	23	Shell-Thick	SLE-FREQ.	-2.8754	0.3168	-4.91	-2.40
24	23	Shell-Thick	SLE-QP	-2.3844	0.3988	-3.50	-2.55
24	23	Shell-Thick	SLE-QP	-2.7468	-0.0920	-3.65	-2.55
24	23	Shell-Thick	SLE-QP	-2.0260	-0.0822	-3.65	-2.40
24	23	Shell-Thick	SLE-QP	-1.6735	0.4184	-3.50	-2.40
25	24	Shell-Thick	SLU-STATICA	-4.7606	0.2758	-12.14	-3.17
25	24	Shell-Thick	SLU-STATICA	-5.1562	-0.3178	-12.46	-3.17
25	24	Shell-Thick	SLU-STATICA	-2.6852	-0.1652	-12.46	-2.85
25	24	Shell-Thick	SLU-STATICA	-2.3063	0.4447	-12.14	-2.85
25	24	Shell-Thick	SLU-SISMICA	-15.6790	-0.7931	-33.15	-2.43
25	24	Shell-Thick	SLU-SISMICA	-15.8225	-1.2610	-33.38	-2.43
25	24	Shell-Thick	SLU-SISMICA	-9.1687	-0.6579	-33.38	-2.20
25	24	Shell-Thick	SLU-SISMICA	-9.0165	-0.1989	-33.15	-2.20
25	24	Shell-Thick	SLE-RARA	-3.4192	0.2325	-8.86	-2.44
25	24	Shell-Thick	SLE-RARA	-3.7267	-0.2239	-9.11	-2.44
25	24	Shell-Thick	SLE-RARA	-1.9220	-0.1164	-9.11	-2.19
25	24	Shell-Thick	SLE-RARA	-1.6277	0.3530	-8.86	-2.19
25	24	Shell-Thick	SLE-FREQ.	-3.0245	0.2655	-8.08	-2.44
25	24	Shell-Thick	SLE-FREQ.	-3.3374	-0.1905	-8.32	-2.44
25	24	Shell-Thick	SLE-FREQ.	-1.6887	-0.0989	-8.32	-2.19
25	24	Shell-Thick	SLE-FREQ.	-1.3899	0.3708	-8.08	-2.19
25	24	Shell-Thick	SLE-QP	-1.8407	0.3645	-5.73	-2.44
25	24	Shell-Thick	SLE-QP	-2.1694	-0.0904	-5.98	-2.44
25	24	Shell-Thick	SLE-QP	-0.9890	-0.0466	-5.98	-2.19
25	24	Shell-Thick	SLE-QP	-0.6764	0.4241	-5.73	-2.19
26	25	Shell-Thick	SLU-STATICA	-2.6910	0.3311	-16.68	-2.90
26	25	Shell-Thick	SLU-STATICA	-2.9802	-0.1875	-17.17	-2.90
26	25	Shell-Thick	SLU-STATICA	0.4210	0.0339	-17.17	-2.41
26	25	Shell-Thick	SLU-STATICA	0.6829	0.5792	-16.68	-2.41
26	25	Shell-Thick	SLU-SISMICA	-9.1832	-0.2552	-46.11	-2.23
26	25	Shell-Thick	SLU-SISMICA	-9.2908	-0.6594	-46.53	-2.23
26	25	Shell-Thick	SLU-SISMICA	-0.0175	0.1235	-46.53	-1.81
26	25	Shell-Thick	SLU-SISMICA	0.0884	0.5290	-46.11	-1.81
26	25	Shell-Thick	SLE-RARA	-1.9263	0.2650	-12.16	-2.23
26	25	Shell-Thick	SLE-RARA	-2.1510	-0.1338	-12.53	-2.23
26	25	Shell-Thick	SLE-RARA	0.3307	0.0241	-12.53	-1.85
26	25	Shell-Thick	SLE-RARA	0.5342	0.4439	-12.16	-1.85
26	25	Shell-Thick	SLE-FREQ.	-1.6927	0.2817	-11.06	-2.23
26	25	Shell-Thick	SLE-FREQ.	-1.9212	-0.1169	-11.44	-2.23
26	25	Shell-Thick	SLE-FREQ.	0.3419	0.0209	-11.44	-1.86
26	25	Shell-Thick	SLE-FREQ.	0.5485	0.4411	-11.06	-1.86
26	25	Shell-Thick	SLE-QP	-0.9919	0.3320	-7.78	-2.23
26	25	Shell-Thick	SLE-QP	-1.2317	-0.0662	-8.16	-2.23
26	25	Shell-Thick	SLE-QP	0.3756	0.0113	-8.16	-1.86
26	25	Shell-Thick	SLE-QP	0.5915	0.4329	-7.78	-1.86
27	26	Shell-Thick	SLU-STATICA	0.1488	0.4033	-20.94	-2.52
27	26	Shell-Thick	SLU-STATICA	-0.2030	-0.0218	-21.57	-2.52
27	26	Shell-Thick	SLU-STATICA	4.0690	0.4749	-21.57	-1.90
27	26	Shell-Thick	SLU-STATICA	4.3864	0.9338	-20.94	-1.90
27	26	Shell-Thick	SLU-SISMICA	0.1537	0.4425	-59.06	-1.96
27	26	Shell-Thick	SLU-SISMICA	-0.7087	0.0848	-59.42	-1.96
27	26	Shell-Thick	SLU-SISMICA	11.1485	1.7309	-59.42	-1.60
27	26	Shell-Thick	SLU-SISMICA	12.0128	2.0864	-59.06	-1.60
27	26	Shell-Thick	SLE-RARA	0.1137	0.3075	-15.24	-1.94
27	26	Shell-Thick	SLE-RARA	-0.1450	-0.0188	-15.73	-1.94
27	26	Shell-Thick	SLE-RARA	2.9680	0.3377	-15.73	-1.46
27	26	Shell-Thick	SLE-RARA	3.1996	0.6906	-15.24	-1.46
27	26	Shell-Thick	SLE-FREQ.	0.1124	0.3032	-13.83	-1.94
27	26	Shell-Thick	SLE-FREQ.	-0.1268	-0.0221	-14.32	-1.94
27	26	Shell-Thick	SLE-FREQ.	2.7046	0.2929	-14.32	-1.45
27	26	Shell-Thick	SLE-FREQ.	2.9159	0.6457	-13.83	-1.45
27	26	Shell-Thick	SLE-QP	0.1085	0.2902	-9.60	-1.93
27	26	Shell-Thick	SLE-QP	-0.0724	-0.0321	-10.10	-1.93



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27	26	Shell-Thick	SLE-QP	1.9147	0.1584	-10.10	-1.44
27	26	Shell-Thick	SLE-QP	2.0648	0.5109	-9.60	-1.44
28	27	Shell-Thick	SLU-STATICA	3.0736	0.6290	-24.66	-1.97
28	27	Shell-Thick	SLU-STATICA	3.2649	0.3564	-25.58	-1.97
28	27	Shell-Thick	SLU-STATICA	8.3223	1.4219	-25.58	-1.04
28	27	Shell-Thick	SLU-STATICA	8.0733	1.7512	-24.66	-1.04
28	27	Shell-Thick	SLU-SISMICA	10.6260	1.8416	-71.39	-1.55
28	27	Shell-Thick	SLU-SISMICA	10.7730	1.6233	-72.08	-1.55
28	27	Shell-Thick	SLU-SISMICA	25.1547	4.8683	-72.08	-0.86
28	27	Shell-Thick	SLU-SISMICA	24.9610	5.1326	-71.39	-0.86
28	27	Shell-Thick	SLE-RARA	2.1973	0.4564	-17.91	-1.51
28	27	Shell-Thick	SLE-RARA	2.3445	0.2469	-18.62	-1.51
28	27	Shell-Thick	SLE-RARA	6.0228	1.0175	-18.62	-0.80
28	27	Shell-Thick	SLE-RARA	5.8313	1.2706	-17.91	-0.80
28	27	Shell-Thick	SLE-FREQ.	1.9260	0.4118	-16.19	-1.51
28	27	Shell-Thick	SLE-FREQ.	2.0732	0.2025	-16.90	-1.51
28	27	Shell-Thick	SLE-FREQ.	5.4070	0.8935	-16.90	-0.80
28	27	Shell-Thick	SLE-FREQ.	5.2156	1.1462	-16.19	-0.80
28	27	Shell-Thick	SLE-QP	1.1121	0.2780	-11.02	-1.51
28	27	Shell-Thick	SLE-QP	1.2593	0.0696	-11.74	-1.51
28	27	Shell-Thick	SLE-QP	3.5595	0.5217	-11.74	-0.79
28	27	Shell-Thick	SLE-QP	3.3683	0.7733	-11.02	-0.79
29	28	Shell-Thick	SLU-STATICA	6.4743	1.3594	-27.68	-1.16
29	28	Shell-Thick	SLU-STATICA	7.3723	1.3039	-29.09	-1.16
29	28	Shell-Thick	SLU-STATICA	13.0904	2.4579	-29.09	0.25
29	28	Shell-Thick	SLU-STATICA	12.1201	2.5842	-27.68	0.25
29	28	Shell-Thick	SLU-SISMICA	24.5951	4.9703	-83.11	-1.00
29	28	Shell-Thick	SLU-SISMICA	24.8750	4.9015	-84.25	-1.00
29	28	Shell-Thick	SLU-SISMICA	41.6436	8.2443	-84.25	0.13
29	28	Shell-Thick	SLU-SISMICA	41.3261	8.3496	-83.11	0.13
29	28	Shell-Thick	SLE-RARA	4.5839	0.9664	-20.04	-0.89
29	28	Shell-Thick	SLE-RARA	5.2829	0.9242	-21.13	-0.89
29	28	Shell-Thick	SLE-RARA	9.4315	1.7623	-21.13	0.19
29	28	Shell-Thick	SLE-RARA	8.6764	1.8593	-20.04	0.19
29	28	Shell-Thick	SLE-FREQ.	3.9397	0.8375	-18.01	-0.89
29	28	Shell-Thick	SLE-FREQ.	4.6523	0.7962	-19.10	-0.89
29	28	Shell-Thick	SLE-FREQ.	8.3946	1.5536	-19.10	0.20
29	28	Shell-Thick	SLE-FREQ.	7.6255	1.6504	-18.01	0.20
29	28	Shell-Thick	SLE-QP	2.0073	0.4508	-11.92	-0.87
29	28	Shell-Thick	SLE-QP	2.7604	0.4121	-13.00	-0.87
29	28	Shell-Thick	SLE-QP	5.2841	0.9277	-13.00	0.20
29	28	Shell-Thick	SLE-QP	4.4727	1.0237	-11.92	0.20
30	29	Shell-Thick	SLU-STATICA	13.2763	2.8466	28.93	0.30
30	29	Shell-Thick	SLU-STATICA	14.2082	2.6504	31.00	0.30
30	29	Shell-Thick	SLU-STATICA	8.1598	1.5237	31.00	-1.77
30	29	Shell-Thick	SLU-STATICA	7.3278	1.6221	28.93	-1.77
30	29	Shell-Thick	SLU-SISMICA	41.7794	8.4675	84.11	0.18
30	29	Shell-Thick	SLU-SISMICA	42.1107	8.3105	85.71	0.18
30	29	Shell-Thick	SLU-SISMICA	25.0818	4.9743	85.71	-1.42
30	29	Shell-Thick	SLU-SISMICA	24.8168	5.0665	84.11	-1.42
30	29	Shell-Thick	SLE-RARA	9.5746	2.0628	21.01	0.23
30	29	Shell-Thick	SLE-RARA	10.2993	1.9120	22.60	0.23
30	29	Shell-Thick	SLE-RARA	5.8968	1.0952	22.60	-1.36
30	29	Shell-Thick	SLE-RARA	5.2491	1.1706	21.01	-1.36
30	29	Shell-Thick	SLE-FREQ.	8.5380	1.8566	18.97	0.23
30	29	Shell-Thick	SLE-FREQ.	9.2753	1.7060	20.57	0.23
30	29	Shell-Thick	SLE-FREQ.	5.2792	0.9704	20.57	-1.36
30	29	Shell-Thick	SLE-FREQ.	4.6193	1.0452	18.97	-1.36
30	29	Shell-Thick	SLE-QP	5.4282	1.2382	12.88	0.24
30	29	Shell-Thick	SLE-QP	6.2035	1.0882	14.47	0.24
30	29	Shell-Thick	SLE-QP	3.4266	0.5958	14.47	-1.35
30	29	Shell-Thick	SLE-QP	2.7298	0.6690	12.88	-1.35
31	30	Shell-Thick	SLU-STATICA	8.5330	2.0167	25.45	-1.53
31	30	Shell-Thick	SLU-STATICA	8.9060	1.5194	27.00	-1.53
31	30	Shell-Thick	SLU-STATICA	3.6196	0.6669	27.00	-3.08
31	30	Shell-Thick	SLU-STATICA	3.3203	1.0922	25.45	-3.08
31	30	Shell-Thick	SLU-SISMICA	25.3724	5.3117	71.88	-1.21
31	30	Shell-Thick	SLU-SISMICA	25.5322	4.9303	73.11	-1.21
31	30	Shell-Thick	SLU-SISMICA	11.0037	2.4463	73.11	-2.44

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31	30	Shell-Thick	SLU-SISMICA	10.8783	2.7945	71.88	-2.44
31	30	Shell-Thick	SLE-RARA	6.1838	1.4754	18.52	-1.17
31	30	Shell-Thick	SLE-RARA	6.4733	1.0927	19.71	-1.17
31	30	Shell-Thick	SLE-RARA	2.6182	0.4739	19.71	-2.37
31	30	Shell-Thick	SLE-RARA	2.3859	0.8006	18.52	-2.37
31	30	Shell-Thick	SLE-FREQ.	5.5661	1.3519	16.80	-1.17
31	30	Shell-Thick	SLE-FREQ.	5.8598	0.9692	18.00	-1.17
31	30	Shell-Thick	SLE-FREQ.	2.3483	0.4104	18.00	-2.37
31	30	Shell-Thick	SLE-FREQ.	2.1125	0.7365	16.80	-2.37
31	30	Shell-Thick	SLE-QP	3.7132	0.9814	11.65	-1.17
31	30	Shell-Thick	SLE-QP	4.0194	0.5986	12.84	-1.17
31	30	Shell-Thick	SLE-QP	1.5386	0.2200	12.84	-2.36
31	30	Shell-Thick	SLE-QP	1.2924	0.5439	11.65	-2.36
32	31	Shell-Thick	SLU-STATICA	4.2901	1.3993	21.52	-2.90
32	31	Shell-Thick	SLU-STATICA	4.2372	0.6772	22.64	-2.90
32	31	Shell-Thick	SLU-STATICA	-0.2114	0.0125	22.64	-4.02
32	31	Shell-Thick	SLU-STATICA	-0.0995	0.6767	21.52	-4.02
32	31	Shell-Thick	SLU-SISMICA	11.3983	2.9952	59.43	-2.28
32	31	Shell-Thick	SLU-SISMICA	11.4394	2.4369	60.26	-2.28
32	31	Shell-Thick	SLU-SISMICA	-0.5581	0.2799	60.26	-3.11
32	31	Shell-Thick	SLU-SISMICA	-0.5622	0.8021	59.43	-3.11
32	31	Shell-Thick	SLE-RARA	3.1364	1.0376	15.68	-2.23
32	31	Shell-Thick	SLE-RARA	3.0941	0.4822	16.55	-2.23
32	31	Shell-Thick	SLE-RARA	-0.1546	0.0041	16.55	-3.09
32	31	Shell-Thick	SLE-RARA	-0.0667	0.5148	15.68	-3.09
32	31	Shell-Thick	SLE-FREQ.	2.8705	0.9746	14.28	-2.23
32	31	Shell-Thick	SLE-FREQ.	2.8254	0.4193	15.14	-2.23
32	31	Shell-Thick	SLE-FREQ.	-0.1416	-0.0047	15.14	-3.09
32	31	Shell-Thick	SLE-FREQ.	-0.0508	0.5056	14.28	-3.09
32	31	Shell-Thick	SLE-QP	2.0727	0.7855	10.05	-2.22
32	31	Shell-Thick	SLE-QP	2.0196	0.2306	10.92	-2.22
32	31	Shell-Thick	SLE-QP	-0.1027	-0.0314	10.92	-3.09
32	31	Shell-Thick	SLE-QP	-0.0029	0.4778	10.05	-3.09
33	32	Shell-Thick	SLU-STATICA	0.6190	0.8992	17.14	-3.90
33	32	Shell-Thick	SLU-STATICA	0.2170	0.0193	17.94	-3.90
33	32	Shell-Thick	SLU-STATICA	-3.3133	-0.3620	17.94	-4.70
33	32	Shell-Thick	SLU-STATICA	-2.8718	0.4791	17.14	-4.70
33	32	Shell-Thick	SLU-SISMICA	0.1417	0.9749	46.55	-3.06
33	32	Shell-Thick	SLU-SISMICA	-0.2951	0.3005	47.12	-3.06
33	32	Shell-Thick	SLU-SISMICA	-9.6752	-1.0661	47.12	-3.63
33	32	Shell-Thick	SLU-SISMICA	-9.2282	-0.4013	46.55	-3.63
33	32	Shell-Thick	SLE-RARA	0.4829	0.6860	12.51	-3.00
33	32	Shell-Thick	SLE-RARA	0.1763	0.0091	13.13	-3.00
33	32	Shell-Thick	SLE-RARA	-2.4046	-0.2626	13.13	-3.62
33	32	Shell-Thick	SLE-RARA	-2.0672	0.3841	12.51	-3.62
33	32	Shell-Thick	SLE-FREQ.	0.4939	0.6767	11.41	-2.99
33	32	Shell-Thick	SLE-FREQ.	0.1915	-3.198E-04	12.03	-2.99
33	32	Shell-Thick	SLE-FREQ.	-2.1706	-0.2367	12.03	-3.62
33	32	Shell-Thick	SLE-FREQ.	-1.8367	0.4094	11.41	-3.62
33	32	Shell-Thick	SLE-QP	0.5268	0.6488	8.12	-2.99
33	32	Shell-Thick	SLE-QP	0.2370	-0.0285	8.75	-2.99
33	32	Shell-Thick	SLE-QP	-1.4685	-0.1591	8.75	-3.61
33	32	Shell-Thick	SLE-QP	-1.1452	0.4853	8.12	-3.61
34	33	Shell-Thick	SLU-STATICA	-2.5068	0.6211	12.43	-4.59
34	33	Shell-Thick	SLU-STATICA	-3.0010	-0.3685	12.99	-4.59
34	33	Shell-Thick	SLU-STATICA	-5.5603	-0.5782	12.99	-5.15
34	33	Shell-Thick	SLU-STATICA	-5.0372	0.3831	12.43	-5.15
34	33	Shell-Thick	SLU-SISMICA	-9.0891	-0.3073	33.37	-3.53
34	33	Shell-Thick	SLU-SISMICA	-9.3250	-1.0623	33.80	-3.53
34	33	Shell-Thick	SLU-SISMICA	-16.0532	-1.8731	33.80	-3.96
34	33	Shell-Thick	SLU-SISMICA	-15.8056	-1.1294	33.37	-3.96
34	33	Shell-Thick	SLE-RARA	-1.7836	0.4936	9.08	-3.53
34	33	Shell-Thick	SLE-RARA	-2.1667	-0.2677	9.51	-3.53
34	33	Shell-Thick	SLE-RARA	-4.0392	-0.4159	9.51	-3.96
34	33	Shell-Thick	SLE-RARA	-3.6337	0.3235	9.08	-3.96
34	33	Shell-Thick	SLE-FREQ.	-1.5484	0.5194	8.30	-3.53
34	33	Shell-Thick	SLE-FREQ.	-1.9363	-0.2422	8.73	-3.53
34	33	Shell-Thick	SLE-FREQ.	-3.6525	-0.3690	8.73	-3.96
34	33	Shell-Thick	SLE-FREQ.	-3.2419	0.3703	8.30	-3.96

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34	33	Shell-Thick	SLE-QP	-0.8430	0.5967	5.96	-3.53
34	33	Shell-Thick	SLE-QP	-1.2450	-0.1654	6.39	-3.53
34	33	Shell-Thick	SLE-QP	-2.4923	-0.2283	6.39	-3.97
34	33	Shell-Thick	SLE-QP	-2.0665	0.5106	5.96	-3.97
35	34	Shell-Thick	SLU-STATICA	-4.8021	0.4702	7.54	-5.09
35	34	Shell-Thick	SLU-STATICA	-5.4118	-0.5886	7.87	-5.09
35	34	Shell-Thick	SLU-STATICA	-6.9618	-0.7107	7.87	-5.41
35	34	Shell-Thick	SLU-STATICA	-6.3366	0.3329	7.54	-5.41
35	34	Shell-Thick	SLU-SISMICA	-15.6313	-1.0699	20.10	-3.92
35	34	Shell-Thick	SLU-SISMICA	-15.9591	-1.8790	20.33	-3.92
35	34	Shell-Thick	SLU-SISMICA	-20.0056	-2.3846	20.33	-4.16
35	34	Shell-Thick	SLU-SISMICA	-19.6771	-1.5759	20.10	-4.16
35	34	Shell-Thick	SLE-RARA	-3.4527	0.3906	5.51	-3.92
35	34	Shell-Thick	SLE-RARA	-3.9245	-0.4239	5.76	-3.92
35	34	Shell-Thick	SLE-RARA	-5.0591	-0.5096	5.76	-4.16
35	34	Shell-Thick	SLE-RARA	-4.5752	0.2931	5.51	-4.16
35	34	Shell-Thick	SLE-FREQ.	-3.0607	0.4377	5.04	-3.92
35	34	Shell-Thick	SLE-FREQ.	-3.5372	-0.3771	5.29	-3.92
35	34	Shell-Thick	SLE-FREQ.	-4.5780	-0.4492	5.29	-4.16
35	34	Shell-Thick	SLE-FREQ.	-4.0891	0.3533	5.04	-4.16
35	34	Shell-Thick	SLE-QP	-1.8847	0.5787	3.64	-3.91
35	34	Shell-Thick	SLE-QP	-2.3750	-0.2366	3.89	-3.91
35	34	Shell-Thick	SLE-QP	-3.1347	-0.2682	3.89	-4.16
35	34	Shell-Thick	SLE-QP	-2.6308	0.5338	3.64	-4.16
36	35	Shell-Thick	SLU-STATICA	-6.2441	0.3733	2.52	-5.38
36	35	Shell-Thick	SLU-STATICA	-6.8844	-0.7171	2.63	-5.38
36	35	Shell-Thick	SLU-STATICA	-7.4036	-0.7422	2.63	-5.49
36	35	Shell-Thick	SLU-STATICA	-6.7574	0.3424	2.52	-5.49
36	35	Shell-Thick	SLU-SISMICA	-19.6517	-1.5507	6.70	-4.13
36	35	Shell-Thick	SLU-SISMICA	-19.9201	-2.3876	6.79	-4.13
36	35	Shell-Thick	SLU-SISMICA	-21.2710	-2.4990	6.79	-4.22
36	35	Shell-Thick	SLU-SISMICA	-20.9992	-1.6654	6.70	-4.22
36	35	Shell-Thick	SLE-RARA	-4.5031	0.3243	1.85	-4.14
36	35	Shell-Thick	SLE-RARA	-5.0002	-0.5145	1.93	-4.14
36	35	Shell-Thick	SLE-RARA	-5.3803	-0.5319	1.93	-4.22
36	35	Shell-Thick	SLE-RARA	-4.8787	0.3024	1.85	-4.22
36	35	Shell-Thick	SLE-FREQ.	-4.0155	0.3846	1.69	-4.14
36	35	Shell-Thick	SLE-FREQ.	-4.5199	-0.4542	1.77	-4.14
36	35	Shell-Thick	SLE-FREQ.	-4.8688	-0.4686	1.77	-4.22
36	35	Shell-Thick	SLE-FREQ.	-4.3598	0.3657	1.69	-4.22
36	35	Shell-Thick	SLE-QP	-2.5527	0.5657	1.22	-4.14
36	35	Shell-Thick	SLE-QP	-3.0792	-0.2734	1.30	-4.14
36	35	Shell-Thick	SLE-QP	-3.3343	-0.2787	1.30	-4.22
36	35	Shell-Thick	SLE-QP	-2.8031	0.5557	1.22	-4.22
37	36	Shell-Thick	SLU-STATICA	-6.7574	0.3424	-2.52	-5.49
37	36	Shell-Thick	SLU-STATICA	-7.4036	-0.7422	-2.63	-5.49
37	36	Shell-Thick	SLU-STATICA	-6.8844	-0.7171	-2.63	-5.38
37	36	Shell-Thick	SLU-STATICA	-6.2441	0.3733	-2.52	-5.38
37	36	Shell-Thick	SLU-SISMICA	-20.9992	-1.6654	-6.70	-4.22
37	36	Shell-Thick	SLU-SISMICA	-21.2710	-2.4990	-6.79	-4.22
37	36	Shell-Thick	SLU-SISMICA	-19.9201	-2.3876	-6.79	-4.13
37	36	Shell-Thick	SLU-SISMICA	-19.6517	-1.5507	-6.70	-4.13
37	36	Shell-Thick	SLE-RARA	-4.8787	0.3024	-1.85	-4.22
37	36	Shell-Thick	SLE-RARA	-5.3803	-0.5319	-1.93	-4.22
37	36	Shell-Thick	SLE-RARA	-5.0002	-0.5145	-1.93	-4.14
37	36	Shell-Thick	SLE-RARA	-4.5031	0.3243	-1.85	-4.14
37	36	Shell-Thick	SLE-FREQ.	-4.3598	0.3657	-1.69	-4.22
37	36	Shell-Thick	SLE-FREQ.	-4.8688	-0.4686	-1.77	-4.22
37	36	Shell-Thick	SLE-FREQ.	-4.5199	-0.4542	-1.77	-4.14
37	36	Shell-Thick	SLE-FREQ.	-4.0155	0.3846	-1.69	-4.14
37	36	Shell-Thick	SLE-QP	-2.8031	0.5557	-1.22	-4.22
37	36	Shell-Thick	SLE-QP	-3.3343	-0.2787	-1.30	-4.22
37	36	Shell-Thick	SLE-QP	-3.0792	-0.2734	-1.30	-4.14
37	36	Shell-Thick	SLE-QP	-2.5527	0.5657	-1.22	-4.14
38	37	Shell-Thick	SLU-STATICA	-6.3366	0.3329	-7.54	-5.41
38	37	Shell-Thick	SLU-STATICA	-6.9618	-0.7107	-7.87	-5.41
38	37	Shell-Thick	SLU-STATICA	-5.4118	-0.5886	-7.87	-5.09
38	37	Shell-Thick	SLU-STATICA	-4.8021	0.4702	-7.54	-5.09
38	37	Shell-Thick	SLU-SISMICA	-19.6771	-1.5759	-20.10	-4.16

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38	37	Shell-Thick	SLU-SISMICA	-20.0056	-2.3846	-20.33	-4.16
38	37	Shell-Thick	SLU-SISMICA	-15.9591	-1.8790	-20.33	-3.92
38	37	Shell-Thick	SLU-SISMICA	-15.6313	-1.0699	-20.10	-3.92
38	37	Shell-Thick	SLE-RARA	-4.5752	0.2931	-5.51	-4.16
38	37	Shell-Thick	SLE-RARA	-5.0591	-0.5096	-5.76	-4.16
38	37	Shell-Thick	SLE-RARA	-3.9245	-0.4239	-5.76	-3.92
38	37	Shell-Thick	SLE-RARA	-3.4527	0.3906	-5.51	-3.92
38	37	Shell-Thick	SLE-FREQ.	-4.0891	0.3533	-5.04	-4.16
38	37	Shell-Thick	SLE-FREQ.	-4.5780	-0.4492	-5.29	-4.16
38	37	Shell-Thick	SLE-FREQ.	-3.5372	-0.3771	-5.29	-3.92
38	37	Shell-Thick	SLE-FREQ.	-3.0607	0.4377	-5.04	-3.92
38	37	Shell-Thick	SLE-QP	-2.6308	0.5338	-3.64	-4.16
38	37	Shell-Thick	SLE-QP	-3.1347	-0.2682	-3.89	-4.16
38	37	Shell-Thick	SLE-QP	-2.3750	-0.2366	-3.89	-3.91
38	37	Shell-Thick	SLE-QP	-1.8847	0.5787	-3.64	-3.91
39	38	Shell-Thick	SLU-STATICA	-5.0372	0.3831	-12.43	-5.15
39	38	Shell-Thick	SLU-STATICA	-5.5603	-0.5782	-12.99	-5.15
39	38	Shell-Thick	SLU-STATICA	-3.0010	-0.3685	-12.99	-4.59
39	38	Shell-Thick	SLU-STATICA	-2.5068	0.6211	-12.43	-4.59
39	38	Shell-Thick	SLU-SISMICA	-15.8056	-1.1294	-33.37	-3.96
39	38	Shell-Thick	SLU-SISMICA	-16.0532	-1.8731	-33.80	-3.96
39	38	Shell-Thick	SLU-SISMICA	-9.3250	-1.0623	-33.80	-3.53
39	38	Shell-Thick	SLU-SISMICA	-9.0891	-0.3073	-33.37	-3.53
39	38	Shell-Thick	SLE-RARA	-3.6337	0.3235	-9.08	-3.96
39	38	Shell-Thick	SLE-RARA	-4.0392	-0.4159	-9.51	-3.96
39	38	Shell-Thick	SLE-RARA	-2.1667	-0.2677	-9.51	-3.53
39	38	Shell-Thick	SLE-RARA	-1.7836	0.4936	-9.08	-3.53
39	38	Shell-Thick	SLE-FREQ.	-3.2419	0.3703	-8.30	-3.96
39	38	Shell-Thick	SLE-FREQ.	-3.6525	-0.3690	-8.73	-3.96
39	38	Shell-Thick	SLE-FREQ.	-1.9363	-0.2422	-8.73	-3.53
39	38	Shell-Thick	SLE-FREQ.	-1.5484	0.5194	-8.30	-3.53
39	38	Shell-Thick	SLE-QP	-2.0665	0.5106	-5.96	-3.97
39	38	Shell-Thick	SLE-QP	-2.4923	-0.2283	-6.39	-3.97
39	38	Shell-Thick	SLE-QP	-1.2450	-0.1654	-6.39	-3.53
39	38	Shell-Thick	SLE-QP	-0.8430	0.5967	-5.96	-3.53
40	39	Shell-Thick	SLU-STATICA	-2.8718	0.4791	-17.14	-4.70
40	39	Shell-Thick	SLU-STATICA	-3.3133	-0.3620	-17.94	-4.70
40	39	Shell-Thick	SLU-STATICA	0.2170	0.0193	-17.94	-3.90
40	39	Shell-Thick	SLU-STATICA	0.6190	0.8992	-17.14	-3.90
40	39	Shell-Thick	SLU-SISMICA	-9.2282	-0.4013	-46.55	-3.63
40	39	Shell-Thick	SLU-SISMICA	-9.6752	-1.0661	-47.12	-3.63
40	39	Shell-Thick	SLU-SISMICA	-0.2951	0.3005	-47.12	-3.06
40	39	Shell-Thick	SLU-SISMICA	0.1417	0.9749	-46.55	-3.06
40	39	Shell-Thick	SLE-RARA	-2.0672	0.3841	-12.51	-3.62
40	39	Shell-Thick	SLE-RARA	-2.4046	-0.2626	-13.13	-3.62
40	39	Shell-Thick	SLE-RARA	0.1763	0.0091	-13.13	-3.00
40	39	Shell-Thick	SLE-RARA	0.4829	0.6860	-12.51	-3.00
40	39	Shell-Thick	SLE-FREQ.	-1.8367	0.4094	-11.41	-3.62
40	39	Shell-Thick	SLE-FREQ.	-2.1706	-0.2367	-12.03	-3.62
40	39	Shell-Thick	SLE-FREQ.	0.1915	-3.198E-04	-12.03	-2.99
40	39	Shell-Thick	SLE-FREQ.	0.4939	0.6767	-11.41	-2.99
40	39	Shell-Thick	SLE-QP	-1.1452	0.4853	-8.12	-3.61
40	39	Shell-Thick	SLE-QP	-1.4685	-0.1591	-8.75	-3.61
40	39	Shell-Thick	SLE-QP	0.2370	-0.0285	-8.75	-2.99
40	39	Shell-Thick	SLE-QP	0.5268	0.6488	-8.12	-2.99
41	40	Shell-Thick	SLU-STATICA	-0.0995	0.6767	-21.52	-4.02
41	40	Shell-Thick	SLU-STATICA	-0.2114	0.0125	-22.64	-4.02
41	40	Shell-Thick	SLU-STATICA	4.2372	0.6772	-22.64	-2.90
41	40	Shell-Thick	SLU-STATICA	4.2901	1.3993	-21.52	-2.90
41	40	Shell-Thick	SLU-SISMICA	-0.5622	0.8021	-59.43	-3.11
41	40	Shell-Thick	SLU-SISMICA	-0.5581	0.2799	-60.26	-3.11
41	40	Shell-Thick	SLU-SISMICA	11.4394	2.4369	-60.26	-2.28
41	40	Shell-Thick	SLU-SISMICA	11.3983	2.9952	-59.43	-2.28
41	40	Shell-Thick	SLE-RARA	-0.0667	0.5148	-15.68	-3.09
41	40	Shell-Thick	SLE-RARA	-0.1546	0.0041	-16.55	-3.09
41	40	Shell-Thick	SLE-RARA	3.0941	0.4822	-16.55	-2.23
41	40	Shell-Thick	SLE-RARA	3.1364	1.0376	-15.68	-2.23
41	40	Shell-Thick	SLE-FREQ.	-0.0508	0.5056	-14.28	-3.09
41	40	Shell-Thick	SLE-FREQ.	-0.1416	-0.0047	-15.14	-3.09

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41	40	Shell-Thick	SLE-FREQ.	2.8254	0.4193	-15.14	-2.23
41	40	Shell-Thick	SLE-FREQ.	2.8705	0.9746	-14.28	-2.23
41	40	Shell-Thick	SLE-QP	-0.0029	0.4778	-10.05	-3.09
41	40	Shell-Thick	SLE-QP	-0.1027	-0.0314	-10.92	-3.09
41	40	Shell-Thick	SLE-QP	2.0196	0.2306	-10.92	-2.22
41	40	Shell-Thick	SLE-QP	2.0727	0.7855	-10.05	-2.22
42	41	Shell-Thick	SLU-STATICA	3.3203	1.0922	-25.45	-3.08
42	41	Shell-Thick	SLU-STATICA	3.6196	0.6669	-27.00	-3.08
42	41	Shell-Thick	SLU-STATICA	8.9060	1.5194	-27.00	-1.53
42	41	Shell-Thick	SLU-STATICA	8.5330	2.0167	-25.45	-1.53
42	41	Shell-Thick	SLU-SISMICA	10.8783	2.7945	-71.88	-2.44
42	41	Shell-Thick	SLU-SISMICA	11.0037	2.4463	-73.11	-2.44
42	41	Shell-Thick	SLU-SISMICA	25.5322	4.9303	-73.11	-1.21
42	41	Shell-Thick	SLU-SISMICA	25.3724	5.3117	-71.88	-1.21
42	41	Shell-Thick	SLE-RARA	2.3859	0.8006	-18.52	-2.37
42	41	Shell-Thick	SLE-RARA	2.6182	0.4739	-19.71	-2.37
42	41	Shell-Thick	SLE-RARA	6.4733	1.0927	-19.71	-1.17
42	41	Shell-Thick	SLE-RARA	6.1838	1.4754	-18.52	-1.17
42	41	Shell-Thick	SLE-FREQ.	2.1125	0.7365	-16.80	-2.37
42	41	Shell-Thick	SLE-FREQ.	2.3483	0.4104	-18.00	-2.37
42	41	Shell-Thick	SLE-FREQ.	5.8598	0.9692	-18.00	-1.17
42	41	Shell-Thick	SLE-FREQ.	5.5661	1.3519	-16.80	-1.17
42	41	Shell-Thick	SLE-QP	1.2924	0.5439	-11.65	-2.36
42	41	Shell-Thick	SLE-QP	1.5386	0.2200	-12.84	-2.36
42	41	Shell-Thick	SLE-QP	4.0194	0.5986	-12.84	-1.17
42	41	Shell-Thick	SLE-QP	3.7132	0.9814	-11.65	-1.17
43	42	Shell-Thick	SLU-STATICA	7.3278	1.6221	-28.93	-1.77
43	42	Shell-Thick	SLU-STATICA	8.1598	1.5237	-31.00	-1.77
43	42	Shell-Thick	SLU-STATICA	14.2082	2.6504	-31.00	0.30
43	42	Shell-Thick	SLU-STATICA	13.2763	2.8466	-28.93	0.30
43	42	Shell-Thick	SLU-SISMICA	24.8168	5.0665	-84.11	-1.42
43	42	Shell-Thick	SLU-SISMICA	25.0818	4.9743	-85.71	-1.42
43	42	Shell-Thick	SLU-SISMICA	42.1107	8.3105	-85.71	0.18
43	42	Shell-Thick	SLU-SISMICA	41.7794	8.4675	-84.11	0.18
43	42	Shell-Thick	SLE-RARA	5.2491	1.1706	-21.01	-1.36
43	42	Shell-Thick	SLE-RARA	5.8968	1.0952	-22.60	-1.36
43	42	Shell-Thick	SLE-RARA	10.2993	1.9120	-22.60	0.23
43	42	Shell-Thick	SLE-RARA	9.5746	2.0628	-21.01	0.23
43	42	Shell-Thick	SLE-FREQ.	4.6193	1.0452	-18.97	-1.36
43	42	Shell-Thick	SLE-FREQ.	5.2792	0.9704	-20.57	-1.36
43	42	Shell-Thick	SLE-FREQ.	9.2753	1.7060	-20.57	0.23
43	42	Shell-Thick	SLE-FREQ.	8.5380	1.8566	-18.97	0.23
43	42	Shell-Thick	SLE-QP	2.7298	0.6690	-12.88	-1.35
43	42	Shell-Thick	SLE-QP	3.4266	0.5958	-14.47	-1.35
43	42	Shell-Thick	SLE-QP	6.2035	1.0882	-14.47	0.24
43	42	Shell-Thick	SLE-QP	5.4282	1.2382	-12.88	0.24
44	43	Shell-Thick	SLU-STATICA	14.4448	3.1141	30.79	0.35
44	43	Shell-Thick	SLU-STATICA	15.4738	2.8696	33.37	0.35
44	43	Shell-Thick	SLU-STATICA	8.9941	1.7223	33.37	-2.23
44	43	Shell-Thick	SLU-STATICA	8.0818	1.8526	30.79	-2.23
44	43	Shell-Thick	SLU-SISMICA	42.2988	8.6056	85.51	0.23
44	43	Shell-Thick	SLU-SISMICA	42.8334	8.4208	87.50	0.23
44	43	Shell-Thick	SLU-SISMICA	25.4853	5.1678	87.50	-1.76
44	43	Shell-Thick	SLU-SISMICA	25.0157	5.2895	85.51	-1.76
44	43	Shell-Thick	SLE-RARA	10.4811	2.2700	22.44	0.27
44	43	Shell-Thick	SLE-RARA	11.2779	2.0818	24.42	0.27
44	43	Shell-Thick	SLE-RARA	6.5433	1.2472	24.42	-1.71
44	43	Shell-Thick	SLE-RARA	5.8369	1.3470	22.44	-1.71
44	43	Shell-Thick	SLE-FREQ.	9.4570	2.0660	20.41	0.27
44	43	Shell-Thick	SLE-FREQ.	10.2621	1.8778	22.39	0.27
44	43	Shell-Thick	SLE-FREQ.	5.9336	1.1210	22.39	-1.71
44	43	Shell-Thick	SLE-FREQ.	5.2195	1.2201	20.41	-1.71
44	43	Shell-Thick	SLE-QP	6.3845	1.4542	14.31	0.28
44	43	Shell-Thick	SLE-QP	7.2150	1.2657	16.30	0.28
44	43	Shell-Thick	SLE-QP	4.1045	0.7424	16.30	-1.70
44	43	Shell-Thick	SLE-QP	3.3675	0.8394	14.31	-1.70
45	44	Shell-Thick	SLU-STATICA	9.1594	2.2712	26.85	-1.90
45	44	Shell-Thick	SLU-STATICA	9.6125	1.6429	28.86	-1.90
45	44	Shell-Thick	SLU-STATICA	3.9887	0.7096	28.86	-3.91

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

45	44	Shell-Thick	SLU-STATICA	3.6320	1.2435	26.85	-3.91
45	44	Shell-Thick	SLU-SISMICA	25.7353	5.5976	73.01	-1.50
45	44	Shell-Thick	SLU-SISMICA	26.0309	5.1128	74.54	-1.50
45	44	Shell-Thick	SLU-SISMICA	11.2319	2.3605	74.54	-3.03
45	44	Shell-Thick	SLU-SISMICA	11.0012	2.7819	73.01	-3.03
45	44	Shell-Thick	SLE-RARA	6.6680	1.6693	19.60	-1.46
45	44	Shell-Thick	SLE-RARA	7.0176	1.1859	21.14	-1.46
45	44	Shell-Thick	SLE-RARA	2.9033	0.5092	21.14	-3.00
45	44	Shell-Thick	SLE-RARA	2.6280	0.9197	19.60	-3.00
45	44	Shell-Thick	SLE-FREQ.	6.0542	1.5429	17.88	-1.46
45	44	Shell-Thick	SLE-FREQ.	6.4056	1.0596	19.42	-1.46
45	44	Shell-Thick	SLE-FREQ.	2.6352	0.4496	19.42	-3.00
45	44	Shell-Thick	SLE-FREQ.	2.3585	0.8597	17.88	-3.00
45	44	Shell-Thick	SLE-QP	4.2130	1.1635	12.72	-1.46
45	44	Shell-Thick	SLE-QP	4.5696	0.6804	14.26	-1.46
45	44	Shell-Thick	SLE-QP	1.8309	0.2708	14.26	-3.00
45	44	Shell-Thick	SLE-QP	1.5499	0.6799	12.72	-3.00
46	45	Shell-Thick	SLU-STATICA	4.4959	1.5689	22.52	-3.66
46	45	Shell-Thick	SLU-STATICA	4.4450	0.6483	24.04	-3.66
46	45	Shell-Thick	SLU-STATICA	-0.2509	-0.0204	24.04	-5.19
46	45	Shell-Thick	SLU-STATICA	-0.1283	0.8300	22.52	-5.19
46	45	Shell-Thick	SLU-SISMICA	11.6344	3.0193	60.14	-2.85
46	45	Shell-Thick	SLU-SISMICA	11.5508	2.3135	61.31	-2.85
46	45	Shell-Thick	SLU-SISMICA	-0.6231	0.2801	61.31	-4.02
46	45	Shell-Thick	SLU-SISMICA	-0.5025	0.9502	60.14	-4.02
46	45	Shell-Thick	SLE-RARA	3.2932	1.1702	16.46	-2.82
46	45	Shell-Thick	SLE-RARA	3.2549	0.4620	17.63	-2.82
46	45	Shell-Thick	SLE-RARA	-0.1843	-0.0217	17.63	-3.99
46	45	Shell-Thick	SLE-RARA	-0.0906	0.6322	16.46	-3.99
46	45	Shell-Thick	SLE-FREQ.	3.0247	1.1107	15.05	-2.81
46	45	Shell-Thick	SLE-FREQ.	2.9878	0.4024	16.22	-2.81
46	45	Shell-Thick	SLE-FREQ.	-0.1702	-0.0314	16.22	-3.99
46	45	Shell-Thick	SLE-FREQ.	-0.0773	0.6219	15.05	-3.99
46	45	Shell-Thick	SLE-QP	2.2192	0.9321	10.83	-2.81
46	45	Shell-Thick	SLE-QP	2.1868	0.2236	12.01	-2.81
46	45	Shell-Thick	SLE-QP	-0.1278	-0.0606	12.01	-3.98
46	45	Shell-Thick	SLE-QP	-0.0375	0.5912	10.83	-3.98
47	46	Shell-Thick	SLU-STATICA	0.4761	1.0698	17.87	-5.00
47	46	Shell-Thick	SLU-STATICA	0.1017	-0.0688	18.98	-5.00
47	46	Shell-Thick	SLU-STATICA	-3.6141	-0.5570	18.98	-6.11
47	46	Shell-Thick	SLU-STATICA	-3.1843	0.5273	17.87	-6.11
47	46	Shell-Thick	SLU-SISMICA	-0.1027	1.1253	47.08	-3.87
47	46	Shell-Thick	SLU-SISMICA	-0.3002	0.2495	47.92	-3.87
47	46	Shell-Thick	SLU-SISMICA	-9.8252	-1.3573	47.92	-4.71
47	46	Shell-Thick	SLU-SISMICA	-9.5926	-0.5158	47.08	-4.71
47	46	Shell-Thick	SLE-RARA	0.3757	0.8168	13.07	-3.84
47	46	Shell-Thick	SLE-RARA	0.0859	-0.0590	13.93	-3.84
47	46	Shell-Thick	SLE-RARA	-2.6377	-0.4097	13.93	-4.70
47	46	Shell-Thick	SLE-RARA	-2.3051	0.4242	13.07	-4.70
47	46	Shell-Thick	SLE-FREQ.	0.3911	0.8069	11.98	-3.84
47	46	Shell-Thick	SLE-FREQ.	0.0983	-0.0690	12.83	-3.84
47	46	Shell-Thick	SLE-FREQ.	-2.4064	-0.3792	12.83	-4.70
47	46	Shell-Thick	SLE-FREQ.	-2.0706	0.4545	11.98	-4.70
47	46	Shell-Thick	SLE-QP	0.4373	0.7771	8.69	-3.84
47	46	Shell-Thick	SLE-QP	0.1356	-0.0988	9.55	-3.84
47	46	Shell-Thick	SLE-QP	-1.7123	-0.2877	9.55	-4.70
47	46	Shell-Thick	SLE-QP	-1.3668	0.5452	8.69	-4.70
48	47	Shell-Thick	SLU-STATICA	-2.7557	0.6951	12.95	-5.98
48	47	Shell-Thick	SLU-STATICA	-3.3945	-0.5952	13.71	-5.98
48	47	Shell-Thick	SLU-STATICA	-6.0802	-0.8952	13.71	-6.74
48	47	Shell-Thick	SLU-STATICA	-5.4053	0.3597	12.95	-6.74
48	47	Shell-Thick	SLU-SISMICA	-9.1740	-0.3833	33.78	-4.63
48	47	Shell-Thick	SLU-SISMICA	-9.6615	-1.3733	34.34	-4.63
48	47	Shell-Thick	SLU-SISMICA	-16.4864	-2.4277	34.34	-5.19
48	47	Shell-Thick	SLU-SISMICA	-15.9841	-1.4521	33.78	-5.19
48	47	Shell-Thick	SLE-RARA	-1.9772	0.5532	9.48	-4.60
48	47	Shell-Thick	SLE-RARA	-2.4686	-0.4393	10.06	-4.60
48	47	Shell-Thick	SLE-RARA	-4.4384	-0.6535	10.06	-5.18
48	47	Shell-Thick	SLE-RARA	-3.9190	0.3116	9.48	-5.18

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

48	47	Shell-Thick	SLE-FREQ.	-1.7456	0.5834	8.70	-4.60
48	47	Shell-Thick	SLE-FREQ.	-2.2371	-0.4093	9.28	-4.60
48	47	Shell-Thick	SLE-FREQ.	-4.0506	-0.5964	9.28	-5.18
48	47	Shell-Thick	SLE-FREQ.	-3.5306	0.3684	8.70	-5.18
48	47	Shell-Thick	SLE-QP	-1.0506	0.6738	6.35	-4.59
48	47	Shell-Thick	SLE-QP	-1.5425	-0.3191	6.94	-4.59
48	47	Shell-Thick	SLE-QP	-2.8872	-0.4250	6.94	-5.18
48	47	Shell-Thick	SLE-QP	-2.3655	0.5387	6.35	-5.18
49	48	Shell-Thick	SLU-STATICA	-5.1813	0.4624	7.84	-6.65
49	48	Shell-Thick	SLU-STATICA	-5.9335	-0.9238	8.29	-6.65
49	48	Shell-Thick	SLU-STATICA	-7.5584	-1.0832	8.29	-7.09
49	48	Shell-Thick	SLU-STATICA	-6.7837	0.2809	7.84	-7.09
49	48	Shell-Thick	SLU-SISMICA	-15.8443	-1.3759	20.31	-5.11
49	48	Shell-Thick	SLU-SISMICA	-16.3099	-2.4406	20.65	-5.11
49	48	Shell-Thick	SLU-SISMICA	-20.4165	-3.0239	20.65	-5.46
49	48	Shell-Thick	SLU-SISMICA	-19.9374	-1.9725	20.31	-5.46
49	48	Shell-Thick	SLE-RARA	-3.7460	0.3907	5.74	-5.11
49	48	Shell-Thick	SLE-RARA	-4.3268	-0.6757	6.09	-5.11
49	48	Shell-Thick	SLE-RARA	-5.5190	-0.7889	6.09	-5.46
49	48	Shell-Thick	SLE-RARA	-4.9208	0.2603	5.74	-5.46
49	48	Shell-Thick	SLE-FREQ.	-3.3566	0.4476	5.27	-5.11
49	48	Shell-Thick	SLE-FREQ.	-3.9411	-0.6188	5.62	-5.11
49	48	Shell-Thick	SLE-FREQ.	-5.0395	-0.7170	5.62	-5.46
49	48	Shell-Thick	SLE-FREQ.	-4.4374	0.3322	5.27	-5.46
49	48	Shell-Thick	SLE-QP	-2.1883	0.6182	3.86	-5.11
49	48	Shell-Thick	SLE-QP	-2.7840	-0.4484	4.21	-5.11
49	48	Shell-Thick	SLE-QP	-3.6009	-0.5012	4.21	-5.46
49	48	Shell-Thick	SLE-QP	-2.9873	0.5478	3.86	-5.46
50	49	Shell-Thick	SLU-STATICA	-6.6697	0.3306	2.63	-7.05
50	49	Shell-Thick	SLU-STATICA	-7.5009	-1.0986	2.77	-7.05
50	49	Shell-Thick	SLU-STATICA	-8.0443	-1.1553	2.77	-7.20
50	49	Shell-Thick	SLU-STATICA	-7.2068	0.2677	2.63	-7.20
50	49	Shell-Thick	SLU-SISMICA	-19.8308	-1.9341	6.79	-5.43
50	49	Shell-Thick	SLU-SISMICA	-20.3699	-3.0317	6.89	-5.43
50	49	Shell-Thick	SLU-SISMICA	-21.7390	-3.2468	6.89	-5.53
50	49	Shell-Thick	SLU-SISMICA	-21.1997	-2.1496	6.79	-5.53
50	49	Shell-Thick	SLE-RARA	-4.8335	0.2986	1.92	-5.42
50	49	Shell-Thick	SLE-RARA	-5.4748	-0.8009	2.04	-5.42
50	49	Shell-Thick	SLE-RARA	-5.8736	-0.8410	2.04	-5.54
50	49	Shell-Thick	SLE-RARA	-5.2273	0.2535	1.92	-5.54
50	49	Shell-Thick	SLE-FREQ.	-4.3508	0.3704	1.77	-5.42
50	49	Shell-Thick	SLE-FREQ.	-4.9954	-0.7291	1.88	-5.42
50	49	Shell-Thick	SLE-FREQ.	-5.3630	-0.7636	1.88	-5.54
50	49	Shell-Thick	SLE-FREQ.	-4.7132	0.3309	1.77	-5.54
50	49	Shell-Thick	SLE-QP	-2.9025	0.5860	1.30	-5.42
50	49	Shell-Thick	SLE-QP	-3.5571	-0.5137	1.41	-5.42
50	49	Shell-Thick	SLE-QP	-3.8309	-0.5313	1.41	-5.54
50	49	Shell-Thick	SLE-QP	-3.1708	0.5629	1.30	-5.54
51	50	Shell-Thick	SLU-STATICA	-7.2068	0.2677	-2.63	-7.20
51	50	Shell-Thick	SLU-STATICA	-8.0443	-1.1553	-2.77	-7.20
51	50	Shell-Thick	SLU-STATICA	-7.5009	-1.0986	-2.77	-7.05
51	50	Shell-Thick	SLU-STATICA	-6.6697	0.3306	-2.63	-7.05
51	50	Shell-Thick	SLU-SISMICA	-21.1997	-2.1496	-6.79	-5.53
51	50	Shell-Thick	SLU-SISMICA	-21.7390	-3.2468	-6.89	-5.53
51	50	Shell-Thick	SLU-SISMICA	-20.3699	-3.0317	-6.89	-5.43
51	50	Shell-Thick	SLU-SISMICA	-19.8308	-1.9341	-6.79	-5.43
51	50	Shell-Thick	SLE-RARA	-5.2273	0.2535	-1.92	-5.54
51	50	Shell-Thick	SLE-RARA	-5.8736	-0.8410	-2.04	-5.54
51	50	Shell-Thick	SLE-RARA	-5.4748	-0.8009	-2.04	-5.42
51	50	Shell-Thick	SLE-RARA	-4.8335	0.2986	-1.92	-5.42
51	50	Shell-Thick	SLE-FREQ.	-4.7132	0.3309	-1.77	-5.54
51	50	Shell-Thick	SLE-FREQ.	-5.3630	-0.7636	-1.88	-5.54
51	50	Shell-Thick	SLE-FREQ.	-4.9954	-0.7291	-1.88	-5.42
51	50	Shell-Thick	SLE-FREQ.	-4.3508	0.3704	-1.77	-5.42
51	50	Shell-Thick	SLE-QP	-3.1708	0.5629	-1.30	-5.54
51	50	Shell-Thick	SLE-QP	-3.8309	-0.5313	-1.41	-5.54
51	50	Shell-Thick	SLE-QP	-3.5571	-0.5137	-1.41	-5.42
51	50	Shell-Thick	SLE-QP	-2.9025	0.5860	-1.30	-5.42
52	51	Shell-Thick	SLU-STATICA	-6.7837	0.2809	-7.84	-7.09



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

52	51 Shell-Thick	SLU-STATICA	-7.5584	-1.0832	-8.29	-7.09
52	51 Shell-Thick	SLU-STATICA	-5.9335	-0.9238	-8.29	-6.65
52	51 Shell-Thick	SLU-STATICA	-5.1813	0.4624	-7.84	-6.65
52	51 Shell-Thick	SLU-SISMICA	-19.9374	-1.9725	-20.31	-5.46
52	51 Shell-Thick	SLU-SISMICA	-20.4165	-3.0239	-20.65	-5.46
52	51 Shell-Thick	SLU-SISMICA	-16.3099	-2.4406	-20.65	-5.11
52	51 Shell-Thick	SLU-SISMICA	-15.8443	-1.3759	-20.31	-5.11
52	51 Shell-Thick	SLE-RARA	-4.9208	0.2603	-5.74	-5.46
52	51 Shell-Thick	SLE-RARA	-5.5190	-0.7889	-6.09	-5.46
52	51 Shell-Thick	SLE-RARA	-4.3268	-0.6757	-6.09	-5.11
52	51 Shell-Thick	SLE-RARA	-3.7460	0.3907	-5.74	-5.11
52	51 Shell-Thick	SLE-FREQ.	-4.4374	0.3322	-5.27	-5.46
52	51 Shell-Thick	SLE-FREQ.	-5.0395	-0.7170	-5.62	-5.46
52	51 Shell-Thick	SLE-FREQ.	-3.9411	-0.6188	-5.62	-5.11
52	51 Shell-Thick	SLE-FREQ.	-3.3566	0.4476	-5.27	-5.11
52	51 Shell-Thick	SLE-QP	-2.9873	0.5478	-3.86	-5.46
52	51 Shell-Thick	SLE-QP	-3.6009	-0.5012	-4.21	-5.46
52	51 Shell-Thick	SLE-QP	-2.7840	-0.4484	-4.21	-5.11
52	51 Shell-Thick	SLE-QP	-2.1883	0.6182	-3.86	-5.11
53	52 Shell-Thick	SLU-STATICA	-5.4053	0.3597	-12.95	-6.74
53	52 Shell-Thick	SLU-STATICA	-6.0802	-0.8952	-13.71	-6.74
53	52 Shell-Thick	SLU-STATICA	-3.3945	-0.5952	-13.71	-5.98
53	52 Shell-Thick	SLU-STATICA	-2.7557	0.6951	-12.95	-5.98
53	52 Shell-Thick	SLU-SISMICA	-15.9841	-1.4521	-33.78	-5.19
53	52 Shell-Thick	SLU-SISMICA	-16.4864	-2.4277	-34.34	-5.19
53	52 Shell-Thick	SLU-SISMICA	-9.6615	-1.3733	-34.34	-4.63
53	52 Shell-Thick	SLU-SISMICA	-9.1740	-0.3833	-33.78	-4.63
53	52 Shell-Thick	SLE-RARA	-3.9190	0.3116	-9.48	-5.18
53	52 Shell-Thick	SLE-RARA	-4.4384	-0.6535	-10.06	-5.18
53	52 Shell-Thick	SLE-RARA	-2.4686	-0.4393	-10.06	-4.60
53	52 Shell-Thick	SLE-RARA	-1.9772	0.5532	-9.48	-4.60
53	52 Shell-Thick	SLE-FREQ.	-3.5306	0.3684	-8.70	-5.18
53	52 Shell-Thick	SLE-FREQ.	-4.0506	-0.5964	-9.28	-5.18
53	52 Shell-Thick	SLE-FREQ.	-2.2371	-0.4093	-9.28	-4.60
53	52 Shell-Thick	SLE-FREQ.	-1.7456	0.5834	-8.70	-4.60
53	52 Shell-Thick	SLE-QP	-2.3655	0.5387	-6.35	-5.18
53	52 Shell-Thick	SLE-QP	-2.8872	-0.4250	-6.94	-5.18
53	52 Shell-Thick	SLE-QP	-1.5425	-0.3191	-6.94	-4.59
53	52 Shell-Thick	SLE-QP	-1.0506	0.6738	-6.35	-4.59
54	53 Shell-Thick	SLU-STATICA	-3.1843	0.5273	-17.87	-6.11
54	53 Shell-Thick	SLU-STATICA	-3.6141	-0.5570	-18.98	-6.11
54	53 Shell-Thick	SLU-STATICA	0.1017	-0.0688	-18.98	-5.00
54	53 Shell-Thick	SLU-STATICA	0.4761	1.0698	-17.87	-5.00
54	53 Shell-Thick	SLU-SISMICA	-9.5926	-0.5158	-47.08	-4.71
54	53 Shell-Thick	SLU-SISMICA	-9.8252	-1.3573	-47.92	-4.71
54	53 Shell-Thick	SLU-SISMICA	-0.3002	0.2495	-47.92	-3.87
54	53 Shell-Thick	SLU-SISMICA	-0.1027	1.1253	-47.08	-3.87
54	53 Shell-Thick	SLE-RARA	-2.3051	0.4242	-13.07	-4.70
54	53 Shell-Thick	SLE-RARA	-2.6377	-0.4097	-13.93	-4.70
54	53 Shell-Thick	SLE-RARA	0.0859	-0.0590	-13.93	-3.84
54	53 Shell-Thick	SLE-RARA	0.3757	0.8168	-13.07	-3.84
54	53 Shell-Thick	SLE-FREQ.	-2.0706	0.4545	-11.98	-4.70
54	53 Shell-Thick	SLE-FREQ.	-2.4064	-0.3792	-12.83	-4.70
54	53 Shell-Thick	SLE-FREQ.	0.0983	-0.0690	-12.83	-3.84
54	53 Shell-Thick	SLE-FREQ.	0.3911	0.8069	-11.98	-3.84
54	53 Shell-Thick	SLE-QP	-1.3668	0.5452	-8.69	-4.70
54	53 Shell-Thick	SLE-QP	-1.7123	-0.2877	-9.55	-4.70
54	53 Shell-Thick	SLE-QP	0.1356	-0.0988	-9.55	-3.84
54	53 Shell-Thick	SLE-QP	0.4373	0.7771	-8.69	-3.84
55	54 Shell-Thick	SLU-STATICA	-0.1283	0.8300	-22.52	-5.19
55	54 Shell-Thick	SLU-STATICA	-0.2509	-0.0204	-24.04	-5.19
55	54 Shell-Thick	SLU-STATICA	4.4450	0.6483	-24.04	-3.66
55	54 Shell-Thick	SLU-STATICA	4.4959	1.5689	-22.52	-3.66
55	54 Shell-Thick	SLU-SISMICA	-0.5025	0.9502	-60.14	-4.02
55	54 Shell-Thick	SLU-SISMICA	-0.6231	0.2801	-61.31	-4.02
55	54 Shell-Thick	SLU-SISMICA	11.5508	2.3135	-61.31	-2.85
55	54 Shell-Thick	SLU-SISMICA	11.6344	3.0193	-60.14	-2.85
55	54 Shell-Thick	SLE-RARA	-0.0906	0.6322	-16.46	-3.99
55	54 Shell-Thick	SLE-RARA	-0.1843	-0.0217	-17.63	-3.99



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55	54 Shell-Thick	SLE-RARA	3.2549	0.4620	-17.63	-2.82
55	54 Shell-Thick	SLE-RARA	3.2932	1.1702	-16.46	-2.82
55	54 Shell-Thick	SLE-FREQ.	-0.0773	0.6219	-15.05	-3.99
55	54 Shell-Thick	SLE-FREQ.	-0.1702	-0.0314	-16.22	-3.99
55	54 Shell-Thick	SLE-FREQ.	2.9878	0.4024	-16.22	-2.81
55	54 Shell-Thick	SLE-FREQ.	3.0247	1.1107	-15.05	-2.81
55	54 Shell-Thick	SLE-QP	-0.0375	0.5912	-10.83	-3.98
55	54 Shell-Thick	SLE-QP	-0.1278	-0.0606	-12.01	-3.98
55	54 Shell-Thick	SLE-QP	2.1868	0.2236	-12.01	-2.81
55	54 Shell-Thick	SLE-QP	2.2192	0.9321	-10.83	-2.81
56	55 Shell-Thick	SLU-STATICA	3.6320	1.2435	-26.85	-3.91
56	55 Shell-Thick	SLU-STATICA	3.9887	0.7096	-28.86	-3.91
56	55 Shell-Thick	SLU-STATICA	9.6125	1.6429	-28.86	-1.90
56	55 Shell-Thick	SLU-STATICA	9.1594	2.2712	-26.85	-1.90
56	55 Shell-Thick	SLU-SISMICA	11.0012	2.7819	-73.01	-3.03
56	55 Shell-Thick	SLU-SISMICA	11.2319	2.3605	-74.54	-3.03
56	55 Shell-Thick	SLU-SISMICA	26.0309	5.1128	-74.54	-1.50
56	55 Shell-Thick	SLU-SISMICA	25.7353	5.5976	-73.01	-1.50
56	55 Shell-Thick	SLE-RARA	2.6280	0.9197	-19.60	-3.00
56	55 Shell-Thick	SLE-RARA	2.9033	0.5092	-21.14	-3.00
56	55 Shell-Thick	SLE-RARA	7.0176	1.1859	-21.14	-1.46
56	55 Shell-Thick	SLE-RARA	6.6680	1.6693	-19.60	-1.46
56	55 Shell-Thick	SLE-FREQ.	2.3585	0.8597	-17.88	-3.00
56	55 Shell-Thick	SLE-FREQ.	2.6352	0.4496	-19.42	-3.00
56	55 Shell-Thick	SLE-FREQ.	6.4056	1.0596	-19.42	-1.46
56	55 Shell-Thick	SLE-FREQ.	6.0542	1.5429	-17.88	-1.46
56	55 Shell-Thick	SLE-QP	1.5499	0.6799	-12.72	-3.00
56	55 Shell-Thick	SLE-QP	1.8309	0.2708	-14.26	-3.00
56	55 Shell-Thick	SLE-QP	4.5696	0.6804	-14.26	-1.46
56	55 Shell-Thick	SLE-QP	4.2130	1.1635	-12.72	-1.46
57	56 Shell-Thick	SLU-STATICA	8.0818	1.8526	-30.79	-2.23
57	56 Shell-Thick	SLU-STATICA	8.9941	1.7223	-33.37	-2.23
57	56 Shell-Thick	SLU-STATICA	15.4738	2.8696	-33.37	0.35
57	56 Shell-Thick	SLU-STATICA	14.4448	3.1141	-30.79	0.35
57	56 Shell-Thick	SLU-SISMICA	25.0157	5.2895	-85.51	-1.76
57	56 Shell-Thick	SLU-SISMICA	25.4853	5.1678	-87.50	-1.76
57	56 Shell-Thick	SLU-SISMICA	42.8334	8.4208	-87.50	0.23
57	56 Shell-Thick	SLU-SISMICA	42.2988	8.6056	-85.51	0.23
57	56 Shell-Thick	SLE-RARA	5.8369	1.3470	-22.44	-1.71
57	56 Shell-Thick	SLE-RARA	6.5433	1.2472	-24.42	-1.71
57	56 Shell-Thick	SLE-RARA	11.2779	2.0818	-24.42	0.27
57	56 Shell-Thick	SLE-RARA	10.4811	2.2700	-22.44	0.27
57	56 Shell-Thick	SLE-FREQ.	5.2195	1.2201	-20.41	-1.71
57	56 Shell-Thick	SLE-FREQ.	5.9336	1.1210	-22.39	-1.71
57	56 Shell-Thick	SLE-FREQ.	10.2621	1.8778	-22.39	0.27
57	56 Shell-Thick	SLE-FREQ.	9.4570	2.0660	-20.41	0.27
57	56 Shell-Thick	SLE-QP	3.3675	0.8394	-14.31	-1.70
57	56 Shell-Thick	SLE-QP	4.1045	0.7424	-16.30	-1.70
57	56 Shell-Thick	SLE-QP	7.2150	1.2657	-16.30	0.28
57	56 Shell-Thick	SLE-QP	6.3845	1.4542	-14.31	0.28
58	57 Shell-Thick	SLU-STATICA	15.7451	3.4068	33.13	0.40
58	57 Shell-Thick	SLU-STATICA	16.9036	3.1229	36.09	0.40
58	57 Shell-Thick	SLU-STATICA	9.9062	1.8595	36.09	-2.56
58	57 Shell-Thick	SLU-STATICA	8.8872	2.0068	33.13	-2.56
58	57 Shell-Thick	SLU-SISMICA	43.0345	8.7926	87.31	0.29
58	57 Shell-Thick	SLU-SISMICA	43.8053	8.5754	89.59	0.29
58	57 Shell-Thick	SLU-SISMICA	26.0519	5.1405	89.59	-1.99
58	57 Shell-Thick	SLU-SISMICA	25.3777	5.2633	87.31	-1.99
58	57 Shell-Thick	SLE-RARA	11.4867	2.4959	24.23	0.31
58	57 Shell-Thick	SLE-RARA	12.3803	2.2775	26.51	0.31
58	57 Shell-Thick	SLE-RARA	7.2477	1.3554	26.51	-1.97
58	57 Shell-Thick	SLE-RARA	6.4616	1.4686	24.23	-1.97
58	57 Shell-Thick	SLE-FREQ.	10.4712	2.2932	22.20	0.31
58	57 Shell-Thick	SLE-FREQ.	11.3688	2.0748	24.48	0.31
58	57 Shell-Thick	SLE-FREQ.	6.6424	1.2336	24.48	-1.97
58	57 Shell-Thick	SLE-FREQ.	5.8527	1.3464	22.20	-1.97
58	57 Shell-Thick	SLE-QP	7.4248	1.6852	16.11	0.31
58	57 Shell-Thick	SLE-QP	8.3342	1.4666	18.39	0.31
58	57 Shell-Thick	SLE-QP	4.8266	0.8681	18.39	-1.97

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58	57 Shell-Thick	SLE-QP	4.0261	0.9800	16.11	-1.97
59	58 Shell-Thick	SLU-STATICA	9.9061	2.4476	28.66	-2.18
59	58 Shell-Thick	SLU-STATICA	10.3964	1.7206	31.02	-2.18
59	58 Shell-Thick	SLU-STATICA	4.3680	0.7473	31.02	-4.54
59	58 Shell-Thick	SLU-STATICA	3.9875	1.3667	28.66	-4.54
59	58 Shell-Thick	SLU-SISMICA	26.2481	5.6158	74.36	-1.71
59	58 Shell-Thick	SLU-SISMICA	26.5411	5.0599	76.18	-1.71
59	58 Shell-Thick	SLU-SISMICA	11.4412	2.3685	76.18	-3.52
59	58 Shell-Thick	SLU-SISMICA	11.2151	2.8593	74.36	-3.52
59	58 Shell-Thick	SLE-RARA	7.2436	1.8073	20.99	-1.68
59	58 Shell-Thick	SLE-RARA	7.6225	1.2481	22.81	-1.68
59	58 Shell-Thick	SLE-RARA	3.1967	0.5386	22.81	-3.50
59	58 Shell-Thick	SLE-RARA	2.9027	1.0148	20.99	-3.50
59	58 Shell-Thick	SLE-FREQ.	6.6319	1.6847	19.27	-1.68
59	58 Shell-Thick	SLE-FREQ.	7.0135	1.1254	21.09	-1.68
59	58 Shell-Thick	SLE-FREQ.	2.9313	0.4797	21.09	-3.49
59	58 Shell-Thick	SLE-FREQ.	2.6351	0.9554	19.27	-3.49
59	58 Shell-Thick	SLE-QP	4.7967	1.3169	14.12	-1.67
59	58 Shell-Thick	SLE-QP	5.1867	0.7573	15.94	-1.67
59	58 Shell-Thick	SLE-QP	2.1352	0.3030	15.94	-3.49
59	58 Shell-Thick	SLE-QP	1.8324	0.7773	14.12	-3.49
60	59 Shell-Thick	SLU-STATICA	4.7518	1.7080	23.90	-4.24
60	59 Shell-Thick	SLU-STATICA	4.7328	0.6318	25.74	-4.24
60	59 Shell-Thick	SLU-STATICA	-0.2794	-0.1410	25.74	-6.08
60	59 Shell-Thick	SLU-STATICA	-0.1720	0.8486	23.90	-6.08
60	59 Shell-Thick	SLU-SISMICA	11.7787	3.1189	61.21	-3.29
60	59 Shell-Thick	SLU-SISMICA	11.7883	2.2909	62.61	-3.29
60	59 Shell-Thick	SLU-SISMICA	-0.6347	0.0445	62.61	-4.69
60	59 Shell-Thick	SLU-SISMICA	-0.5833	0.8129	61.21	-4.69
60	59 Shell-Thick	SLE-RARA	3.4911	1.2774	17.52	-3.26
60	59 Shell-Thick	SLE-RARA	3.4760	0.4495	18.93	-3.26
60	59 Shell-Thick	SLE-RARA	-0.2065	-0.1116	18.93	-4.67
60	59 Shell-Thick	SLE-RARA	-0.1232	0.6495	17.52	-4.67
60	59 Shell-Thick	SLE-FREQ.	3.2243	1.2181	16.12	-3.26
60	59 Shell-Thick	SLE-FREQ.	3.2084	0.3903	17.53	-3.26
60	59 Shell-Thick	SLE-FREQ.	-0.1927	-0.1166	17.53	-4.67
60	59 Shell-Thick	SLE-FREQ.	-0.1084	0.6443	16.12	-4.67
60	59 Shell-Thick	SLE-QP	2.4240	1.0403	11.90	-3.26
60	59 Shell-Thick	SLE-QP	2.4057	0.2125	13.31	-3.26
60	59 Shell-Thick	SLE-QP	-0.1513	-0.1317	13.31	-4.67
60	59 Shell-Thick	SLE-QP	-0.0640	0.6285	11.90	-4.67
61	60 Shell-Thick	SLU-STATICA	0.4082	1.1064	18.88	-5.85
61	60 Shell-Thick	SLU-STATICA	-0.0277	-0.2324	20.24	-5.85
61	60 Shell-Thick	SLU-STATICA	-3.9746	-0.7778	20.24	-7.21
61	60 Shell-Thick	SLU-STATICA	-3.4746	0.4983	18.88	-7.21
61	60 Shell-Thick	SLU-SISMICA	-0.0871	1.0125	47.83	-4.53
61	60 Shell-Thick	SLU-SISMICA	-0.4306	-0.0150	48.86	-4.53
61	60 Shell-Thick	SLU-SISMICA	-10.1257	-1.6514	48.86	-5.56
61	60 Shell-Thick	SLU-SISMICA	-9.7460	-0.6591	47.83	-5.56
61	60 Shell-Thick	SLE-RARA	0.3221	0.8478	13.85	-4.50
61	60 Shell-Thick	SLE-RARA	-0.0130	-0.1821	14.90	-4.50
61	60 Shell-Thick	SLE-RARA	-2.9145	-0.5770	14.90	-5.55
61	60 Shell-Thick	SLE-RARA	-2.5298	0.4044	13.85	-5.55
61	60 Shell-Thick	SLE-FREQ.	0.3353	0.8425	12.75	-4.50
61	60 Shell-Thick	SLE-FREQ.	3.953E-04	-0.1875	13.80	-4.50
61	60 Shell-Thick	SLE-FREQ.	-2.6824	-0.5424	13.80	-5.55
61	60 Shell-Thick	SLE-FREQ.	-2.2975	0.4386	12.75	-5.55
61	60 Shell-Thick	SLE-QP	0.3748	0.8266	9.47	-4.50
61	60 Shell-Thick	SLE-QP	0.0407	-0.2036	10.52	-4.50
61	60 Shell-Thick	SLE-QP	-1.9861	-0.4387	10.52	-5.55
61	60 Shell-Thick	SLE-QP	-1.6007	0.5413	9.47	-5.55
62	61 Shell-Thick	SLU-STATICA	-3.0935	0.6802	13.64	-7.05
62	61 Shell-Thick	SLU-STATICA	-3.7926	-0.8470	14.58	-7.05
62	61 Shell-Thick	SLU-STATICA	-6.6403	-1.2216	14.58	-7.99
62	61 Shell-Thick	SLU-STATICA	-5.8950	0.2603	13.64	-7.99
62	61 Shell-Thick	SLU-SISMICA	-9.4590	-0.5196	34.29	-5.43
62	61 Shell-Thick	SLU-SISMICA	-9.9297	-1.6943	35.01	-5.43
62	61 Shell-Thick	SLU-SISMICA	-16.8809	-2.8748	35.01	-6.15
62	61 Shell-Thick	SLU-SISMICA	-16.3788	-1.7308	34.29	-6.15

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62	61 Shell-Thick	SLE-RARA	-2.2365	0.5443	10.01	-5.42
62	61 Shell-Thick	SLE-RARA	-2.7756	-0.6305	10.74	-5.42
62	61 Shell-Thick	SLE-RARA	-4.8700	-0.9006	10.74	-6.14
62	61 Shell-Thick	SLE-RARA	-4.2953	0.2393	10.01	-6.14
62	61 Shell-Thick	SLE-FREQ.	-2.0041	0.5785	9.23	-5.42
62	61 Shell-Thick	SLE-FREQ.	-2.5454	-0.5962	9.96	-5.42
62	61 Shell-Thick	SLE-FREQ.	-4.4834	-0.8370	9.96	-6.14
62	61 Shell-Thick	SLE-FREQ.	-3.9063	0.3027	9.23	-6.14
62	61 Shell-Thick	SLE-QP	-1.3066	0.6812	6.89	-5.42
62	61 Shell-Thick	SLE-QP	-1.8545	-0.4935	7.61	-5.42
62	61 Shell-Thick	SLE-QP	-3.3235	-0.6464	7.61	-6.14
62	61 Shell-Thick	SLE-QP	-2.7395	0.4929	6.89	-6.14
63	62 Shell-Thick	SLU-STATICA	-5.6468	0.3769	8.25	-7.88
63	62 Shell-Thick	SLU-STATICA	-6.5393	-1.2683	8.80	-7.88
63	62 Shell-Thick	SLU-STATICA	-8.2581	-1.4782	8.80	-8.43
63	62 Shell-Thick	SLU-STATICA	-7.3399	0.1419	8.25	-8.43
63	62 Shell-Thick	SLU-SISMICA	-16.1317	-1.6372	20.63	-6.08
63	62 Shell-Thick	SLU-SISMICA	-16.7923	-2.9012	21.04	-6.08
63	62 Shell-Thick	SLU-SISMICA	-20.9687	-3.5847	21.04	-6.49
63	62 Shell-Thick	SLU-SISMICA	-20.2958	-2.3327	20.63	-6.49
63	62 Shell-Thick	SLE-RARA	-4.1054	0.3289	6.06	-6.06
63	62 Shell-Thick	SLE-RARA	-4.7925	-0.9367	6.48	-6.06
63	62 Shell-Thick	SLE-RARA	-6.0570	-1.0876	6.48	-6.49
63	62 Shell-Thick	SLE-RARA	-5.3500	0.1585	6.06	-6.49
63	62 Shell-Thick	SLE-FREQ.	-3.7183	0.3921	5.59	-6.06
63	62 Shell-Thick	SLE-FREQ.	-4.4063	-0.8735	6.01	-6.06
63	62 Shell-Thick	SLE-FREQ.	-5.5770	-1.0072	6.01	-6.49
63	62 Shell-Thick	SLE-FREQ.	-4.8690	0.2387	5.59	-6.49
63	62 Shell-Thick	SLE-QP	-2.5570	0.5820	4.18	-6.06
63	62 Shell-Thick	SLE-QP	-3.2475	-0.6838	4.61	-6.06
63	62 Shell-Thick	SLE-QP	-4.1371	-0.7661	4.61	-6.49
63	62 Shell-Thick	SLE-QP	-3.4257	0.4792	4.18	-6.49
64	63 Shell-Thick	SLU-STATICA	-7.2324	0.1979	2.76	-8.38
64	63 Shell-Thick	SLU-STATICA	-8.2053	-1.5021	2.94	-8.38
64	63 Shell-Thick	SLU-STATICA	-8.7806	-1.5687	2.94	-8.56
64	63 Shell-Thick	SLU-STATICA	-7.7981	0.1218	2.76	-8.56
64	63 Shell-Thick	SLU-SISMICA	-20.2135	-2.2892	6.88	-6.45
64	63 Shell-Thick	SLU-SISMICA	-20.9005	-3.5981	7.02	-6.45
64	63 Shell-Thick	SLU-SISMICA	-22.2959	-3.8170	7.02	-6.59
64	63 Shell-Thick	SLU-SISMICA	-21.6007	-2.5162	6.88	-6.59
64	63 Shell-Thick	SLE-RARA	-5.2673	0.2015	2.03	-6.44
64	63 Shell-Thick	SLE-RARA	-6.0170	-1.1061	2.17	-6.44
64	63 Shell-Thick	SLE-RARA	-6.4402	-1.1540	2.17	-6.59
64	63 Shell-Thick	SLE-RARA	-5.6832	0.1464	2.03	-6.59
64	63 Shell-Thick	SLE-FREQ.	-4.7862	0.2817	1.87	-6.44
64	63 Shell-Thick	SLE-FREQ.	-5.5379	-1.0259	2.01	-6.44
64	63 Shell-Thick	SLE-FREQ.	-5.9299	-1.0682	2.01	-6.59
64	63 Shell-Thick	SLE-FREQ.	-5.1709	0.2322	1.87	-6.59
64	63 Shell-Thick	SLE-QP	-3.3429	0.5222	1.40	-6.44
64	63 Shell-Thick	SLE-QP	-4.1007	-0.7852	1.54	-6.44
64	63 Shell-Thick	SLE-QP	-4.3988	-0.8111	1.54	-6.58
64	63 Shell-Thick	SLE-QP	-3.6338	0.4893	1.40	-6.58
65	64 Shell-Thick	SLU-STATICA	-7.7981	0.1218	-2.76	-8.56
65	64 Shell-Thick	SLU-STATICA	-8.7806	-1.5687	-2.94	-8.56
65	64 Shell-Thick	SLU-STATICA	-8.2053	-1.5021	-2.94	-8.38
65	64 Shell-Thick	SLU-STATICA	-7.2324	0.1979	-2.76	-8.38
65	64 Shell-Thick	SLU-SISMICA	-21.6007	-2.5162	-6.88	-6.59
65	64 Shell-Thick	SLU-SISMICA	-22.2959	-3.8170	-7.02	-6.59
65	64 Shell-Thick	SLU-SISMICA	-20.9005	-3.5981	-7.02	-6.45
65	64 Shell-Thick	SLU-SISMICA	-20.2135	-2.2892	-6.88	-6.45
65	64 Shell-Thick	SLE-RARA	-5.6832	0.1464	-2.03	-6.59
65	64 Shell-Thick	SLE-RARA	-6.4402	-1.1540	-2.17	-6.59
65	64 Shell-Thick	SLE-RARA	-6.0170	-1.1061	-2.17	-6.44
65	64 Shell-Thick	SLE-RARA	-5.2673	0.2015	-2.03	-6.44
65	64 Shell-Thick	SLE-FREQ.	-5.1709	0.2322	-1.87	-6.59
65	64 Shell-Thick	SLE-FREQ.	-5.9299	-1.0682	-2.01	-6.59
65	64 Shell-Thick	SLE-FREQ.	-5.5379	-1.0259	-2.01	-6.44
65	64 Shell-Thick	SLE-FREQ.	-4.7862	0.2817	-1.87	-6.44
65	64 Shell-Thick	SLE-QP	-3.6338	0.4893	-1.40	-6.58

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65	64	Shell-Thick	SLE-QP	-4.3988	-0.8111	-1.54	-6.58
65	64	Shell-Thick	SLE-QP	-4.1007	-0.7852	-1.54	-6.44
65	64	Shell-Thick	SLE-QP	-3.3429	0.5222	-1.40	-6.44
66	65	Shell-Thick	SLU-STATICA	-7.3399	0.1419	-8.25	-8.43
66	65	Shell-Thick	SLU-STATICA	-8.2581	-1.4782	-8.80	-8.43
66	65	Shell-Thick	SLU-STATICA	-6.5393	-1.2683	-8.80	-7.88
66	65	Shell-Thick	SLU-STATICA	-5.6468	0.3769	-8.25	-7.88
66	65	Shell-Thick	SLU-SISMICA	-20.2958	-2.3327	-20.63	-6.49
66	65	Shell-Thick	SLU-SISMICA	-20.9687	-3.5847	-21.04	-6.49
66	65	Shell-Thick	SLU-SISMICA	-16.7923	-2.9012	-21.04	-6.08
66	65	Shell-Thick	SLU-SISMICA	-16.1317	-1.6372	-20.63	-6.08
66	65	Shell-Thick	SLE-RARA	-5.3500	0.1585	-6.06	-6.49
66	65	Shell-Thick	SLE-RARA	-6.0570	-1.0876	-6.48	-6.49
66	65	Shell-Thick	SLE-RARA	-4.7925	-0.9367	-6.48	-6.06
66	65	Shell-Thick	SLE-RARA	-4.1054	0.3289	-6.06	-6.06
66	65	Shell-Thick	SLE-FREQ.	-4.8690	0.2387	-5.59	-6.49
66	65	Shell-Thick	SLE-FREQ.	-5.5770	-1.0072	-6.01	-6.49
66	65	Shell-Thick	SLE-FREQ.	-4.4063	-0.8735	-6.01	-6.06
66	65	Shell-Thick	SLE-FREQ.	-3.7183	0.3921	-5.59	-6.06
66	65	Shell-Thick	SLE-QP	-3.4257	0.4792	-4.18	-6.49
66	65	Shell-Thick	SLE-QP	-4.1371	-0.7661	-4.61	-6.49
66	65	Shell-Thick	SLE-QP	-3.2475	-0.6838	-4.61	-6.06
66	65	Shell-Thick	SLE-QP	-2.5570	0.5820	-4.18	-6.06
67	66	Shell-Thick	SLU-STATICA	-5.8950	0.2603	-13.64	-7.99
67	66	Shell-Thick	SLU-STATICA	-6.6403	-1.2216	-14.58	-7.99
67	66	Shell-Thick	SLU-STATICA	-3.7926	-0.8470	-14.58	-7.05
67	66	Shell-Thick	SLU-STATICA	-3.0935	0.6802	-13.64	-7.05
67	66	Shell-Thick	SLU-SISMICA	-16.3788	-1.7308	-34.29	-6.15
67	66	Shell-Thick	SLU-SISMICA	-16.8809	-2.8748	-35.01	-6.15
67	66	Shell-Thick	SLU-SISMICA	-9.9297	-1.6943	-35.01	-5.43
67	66	Shell-Thick	SLU-SISMICA	-9.4590	-0.5196	-34.29	-5.43
67	66	Shell-Thick	SLE-RARA	-4.2953	0.2393	-10.01	-6.14
67	66	Shell-Thick	SLE-RARA	-4.8700	-0.9006	-10.74	-6.14
67	66	Shell-Thick	SLE-RARA	-2.7756	-0.6305	-10.74	-5.42
67	66	Shell-Thick	SLE-RARA	-2.2365	0.5443	-10.01	-5.42
67	66	Shell-Thick	SLE-FREQ.	-3.9063	0.3027	-9.23	-6.14
67	66	Shell-Thick	SLE-FREQ.	-4.4834	-0.8370	-9.96	-6.14
67	66	Shell-Thick	SLE-FREQ.	-2.5454	-0.5962	-9.96	-5.42
67	66	Shell-Thick	SLE-FREQ.	-2.0041	0.5785	-9.23	-5.42
67	66	Shell-Thick	SLE-QP	-2.7395	0.4929	-6.89	-6.14
67	66	Shell-Thick	SLE-QP	-3.3235	-0.6464	-7.61	-6.14
67	66	Shell-Thick	SLE-QP	-1.8545	-0.4935	-7.61	-5.42
67	66	Shell-Thick	SLE-QP	-1.3066	0.6812	-6.89	-5.42
68	67	Shell-Thick	SLU-STATICA	-3.4746	0.4983	-18.88	-7.21
68	67	Shell-Thick	SLU-STATICA	-3.9746	-0.7778	-20.24	-7.21
68	67	Shell-Thick	SLU-STATICA	-0.0277	-0.2324	-20.24	-5.85
68	67	Shell-Thick	SLU-STATICA	0.4082	1.1064	-18.88	-5.85
68	67	Shell-Thick	SLU-SISMICA	-9.7460	-0.6591	-47.83	-5.56
68	67	Shell-Thick	SLU-SISMICA	-10.1257	-1.6514	-48.86	-5.56
68	67	Shell-Thick	SLU-SISMICA	-0.4306	-0.0150	-48.86	-4.53
68	67	Shell-Thick	SLU-SISMICA	-0.0871	1.0125	-47.83	-4.53
68	67	Shell-Thick	SLE-RARA	-2.5298	0.4044	-13.85	-5.55
68	67	Shell-Thick	SLE-RARA	-2.9145	-0.5770	-14.90	-5.55
68	67	Shell-Thick	SLE-RARA	-0.0130	-0.1821	-14.90	-4.50
68	67	Shell-Thick	SLE-RARA	0.3221	0.8478	-13.85	-4.50
68	67	Shell-Thick	SLE-FREQ.	-2.2975	0.4386	-12.75	-5.55
68	67	Shell-Thick	SLE-FREQ.	-2.6824	-0.5424	-13.80	-5.55
68	67	Shell-Thick	SLE-FREQ.	3.955E-04	-0.1875	-13.80	-4.50
68	67	Shell-Thick	SLE-FREQ.	0.3353	0.8425	-12.75	-4.50
68	67	Shell-Thick	SLE-QP	-1.6007	0.5413	-9.47	-5.55
68	67	Shell-Thick	SLE-QP	-1.9861	-0.4387	-10.52	-5.55
68	67	Shell-Thick	SLE-QP	0.0407	-0.2036	-10.52	-4.50
68	67	Shell-Thick	SLE-QP	0.3748	0.8266	-9.47	-4.50
69	68	Shell-Thick	SLU-STATICA	-0.1720	0.8486	-23.90	-6.08
69	68	Shell-Thick	SLU-STATICA	-0.2794	-0.1410	-25.74	-6.08
69	68	Shell-Thick	SLU-STATICA	4.7328	0.6318	-25.74	-4.24
69	68	Shell-Thick	SLU-STATICA	4.7518	1.7080	-23.90	-4.24
69	68	Shell-Thick	SLU-SISMICA	-0.5833	0.8129	-61.21	-4.69
69	68	Shell-Thick	SLU-SISMICA	-0.6347	0.0445	-62.61	-4.69

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69	68	Shell-Thick	SLU-SISMICA	11.7883	2.2909	-62.61	-3.29
69	68	Shell-Thick	SLU-SISMICA	11.7787	3.1189	-61.21	-3.29
69	68	Shell-Thick	SLE-RARA	-0.1232	0.6495	-17.52	-4.67
69	68	Shell-Thick	SLE-RARA	-0.2065	-0.1116	-18.93	-4.67
69	68	Shell-Thick	SLE-RARA	3.4760	0.4495	-18.93	-3.26
69	68	Shell-Thick	SLE-RARA	3.4911	1.2774	-17.52	-3.26
69	68	Shell-Thick	SLE-FREQ.	-0.1084	0.6443	-16.12	-4.67
69	68	Shell-Thick	SLE-FREQ.	-0.1927	-0.1166	-17.53	-4.67
69	68	Shell-Thick	SLE-FREQ.	3.2084	0.3903	-17.53	-3.26
69	68	Shell-Thick	SLE-FREQ.	3.2243	1.2181	-16.12	-3.26
69	68	Shell-Thick	SLE-QP	-0.0640	0.6285	-11.90	-4.67
69	68	Shell-Thick	SLE-QP	-0.1513	-0.1317	-13.31	-4.67
69	68	Shell-Thick	SLE-QP	2.4057	0.2125	-13.31	-3.26
69	68	Shell-Thick	SLE-QP	2.4240	1.0403	-11.90	-3.26
70	69	Shell-Thick	SLU-STATICA	3.9875	1.3667	-28.66	-4.54
70	69	Shell-Thick	SLU-STATICA	4.3680	0.7473	-31.02	-4.54
70	69	Shell-Thick	SLU-STATICA	10.3964	1.7206	-31.02	-2.18
70	69	Shell-Thick	SLU-STATICA	9.9061	2.4476	-28.66	-2.18
70	69	Shell-Thick	SLU-SISMICA	11.2151	2.8593	-74.36	-3.52
70	69	Shell-Thick	SLU-SISMICA	11.4412	2.3685	-76.18	-3.52
70	69	Shell-Thick	SLU-SISMICA	26.5411	5.0599	-76.18	-1.71
70	69	Shell-Thick	SLU-SISMICA	26.2481	5.6158	-74.36	-1.71
70	69	Shell-Thick	SLE-RARA	2.9027	1.0148	-20.99	-3.50
70	69	Shell-Thick	SLE-RARA	3.1967	0.5386	-22.81	-3.50
70	69	Shell-Thick	SLE-RARA	7.6225	1.2481	-22.81	-1.68
70	69	Shell-Thick	SLE-RARA	7.2436	1.8073	-20.99	-1.68
70	69	Shell-Thick	SLE-FREQ.	2.6351	0.9554	-19.27	-3.49
70	69	Shell-Thick	SLE-FREQ.	2.9313	0.4797	-21.09	-3.49
70	69	Shell-Thick	SLE-FREQ.	7.0135	1.1254	-21.09	-1.68
70	69	Shell-Thick	SLE-FREQ.	6.6319	1.6847	-19.27	-1.68
70	69	Shell-Thick	SLE-QP	1.8324	0.7773	-14.12	-3.49
70	69	Shell-Thick	SLE-QP	2.1352	0.3030	-15.94	-3.49
70	69	Shell-Thick	SLE-QP	5.1867	0.7573	-15.94	-1.67
70	69	Shell-Thick	SLE-QP	4.7967	1.3169	-14.12	-1.67
71	70	Shell-Thick	SLU-STATICA	8.8872	2.0068	-33.13	-2.56
71	70	Shell-Thick	SLU-STATICA	9.9062	1.8595	-36.09	-2.56
71	70	Shell-Thick	SLU-STATICA	16.9036	3.1229	-36.09	0.40
71	70	Shell-Thick	SLU-STATICA	15.7451	3.4068	-33.13	0.40
71	70	Shell-Thick	SLU-SISMICA	25.3777	5.2633	-87.31	-1.99
71	70	Shell-Thick	SLU-SISMICA	26.0519	5.1405	-89.59	-1.99
71	70	Shell-Thick	SLU-SISMICA	43.8053	8.5754	-89.59	0.29
71	70	Shell-Thick	SLU-SISMICA	43.0345	8.7926	-87.31	0.29
71	70	Shell-Thick	SLE-RARA	6.4616	1.4686	-24.23	-1.97
71	70	Shell-Thick	SLE-RARA	7.2477	1.3554	-26.51	-1.97
71	70	Shell-Thick	SLE-RARA	12.3803	2.2775	-26.51	0.31
71	70	Shell-Thick	SLE-RARA	11.4867	2.4959	-24.23	0.31
71	70	Shell-Thick	SLE-FREQ.	5.8527	1.3464	-22.20	-1.97
71	70	Shell-Thick	SLE-FREQ.	6.6424	1.2336	-24.48	-1.97
71	70	Shell-Thick	SLE-FREQ.	11.3688	2.0748	-24.48	0.31
71	70	Shell-Thick	SLE-FREQ.	10.4712	2.2932	-22.20	0.31
71	70	Shell-Thick	SLE-QP	4.0261	0.9800	-16.11	-1.97
71	70	Shell-Thick	SLE-QP	4.8266	0.8681	-18.39	-1.97
71	70	Shell-Thick	SLE-QP	8.3342	1.4666	-18.39	0.31
71	70	Shell-Thick	SLE-QP	7.4248	1.6852	-16.11	0.31
72	71	Shell-Thick	SLU-STATICA	17.2094	3.7250	35.82	0.44
72	71	Shell-Thick	SLU-STATICA	18.4772	3.4123	39.08	0.44
72	71	Shell-Thick	SLU-STATICA	10.9043	2.0473	39.08	-2.82
72	71	Shell-Thick	SLU-STATICA	9.7907	2.2092	35.82	-2.82
72	71	Shell-Thick	SLU-SISMICA	44.0459	9.0189	89.37	0.33
72	71	Shell-Thick	SLU-SISMICA	44.9660	8.7835	91.87	0.33
72	71	Shell-Thick	SLU-SISMICA	26.7754	5.2989	91.87	-2.18
72	71	Shell-Thick	SLU-SISMICA	25.9585	5.4337	89.37	-2.18
72	71	Shell-Thick	SLE-RARA	12.6154	2.7410	26.30	0.34
72	71	Shell-Thick	SLE-RARA	13.5917	2.5004	28.81	0.34
72	71	Shell-Thick	SLE-RARA	8.0164	1.4996	28.81	-2.17
72	71	Shell-Thick	SLE-RARA	7.1589	1.6239	26.30	-2.17
72	71	Shell-Thick	SLE-FREQ.	11.6037	2.5390	24.27	0.34
72	71	Shell-Thick	SLE-FREQ.	12.5818	2.2981	26.78	0.34
72	71	Shell-Thick	SLE-FREQ.	7.4125	1.3773	26.78	-2.16

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72	71 Shell-Thick	SLE-FREQ.	6.5538	1.5013	24.27	-2.16
72	71 Shell-Thick	SLE-QP	8.5687	1.9328	18.18	0.34
72	71 Shell-Thick	SLE-QP	9.5522	1.6914	20.69	0.34
72	71 Shell-Thick	SLE-QP	5.6011	1.0104	20.69	-2.16
72	71 Shell-Thick	SLE-QP	4.7384	1.1334	18.18	-2.16
73	72 Shell-Thick	SLU-STATICA	10.7287	2.6620	30.81	-2.39
73	72 Shell-Thick	SLU-STATICA	11.2772	1.8567	33.45	-2.39
73	72 Shell-Thick	SLU-STATICA	4.7819	0.7485	33.45	-5.03
73	72 Shell-Thick	SLU-STATICA	4.3604	1.4294	30.81	-5.03
73	72 Shell-Thick	SLU-SISMICA	26.7939	5.8003	76.02	-1.86
73	72 Shell-Thick	SLU-SISMICA	27.1842	5.1812	78.04	-1.86
73	72 Shell-Thick	SLU-SISMICA	11.7195	2.2566	78.04	-3.88
73	72 Shell-Thick	SLU-SISMICA	11.4201	2.7868	76.02	-3.88
73	72 Shell-Thick	SLE-RARA	7.8781	1.9718	22.64	-1.84
73	72 Shell-Thick	SLE-RARA	8.3007	1.3524	24.67	-1.84
73	72 Shell-Thick	SLE-RARA	3.5159	0.5418	24.67	-3.87
73	72 Shell-Thick	SLE-RARA	3.1912	1.0654	22.64	-3.87
73	72 Shell-Thick	SLE-FREQ.	7.2693	1.8486	20.93	-1.84
73	72 Shell-Thick	SLE-FREQ.	7.6929	1.2292	22.96	-1.84
73	72 Shell-Thick	SLE-FREQ.	3.2519	0.4866	22.96	-3.87
73	72 Shell-Thick	SLE-FREQ.	2.9263	1.0100	20.93	-3.87
73	72 Shell-Thick	SLE-QP	5.4427	1.4789	15.77	-1.84
73	72 Shell-Thick	SLE-QP	5.8694	0.8594	17.80	-1.84
73	72 Shell-Thick	SLE-QP	2.4597	0.3210	17.80	-3.87
73	72 Shell-Thick	SLE-QP	2.1317	0.8438	15.77	-3.87
74	73 Shell-Thick	SLU-STATICA	5.0790	1.7853	25.57	-4.69
74	73 Shell-Thick	SLU-STATICA	5.0495	0.5897	27.64	-4.69
74	73 Shell-Thick	SLU-STATICA	-0.3250	-0.2532	27.64	-6.77
74	73 Shell-Thick	SLU-STATICA	-0.1974	0.8463	25.57	-6.77
74	73 Shell-Thick	SLU-SISMICA	12.0408	3.0691	62.47	-3.63
74	73 Shell-Thick	SLU-SISMICA	11.9892	2.1525	64.06	-3.63
74	73 Shell-Thick	SLU-SISMICA	-0.7052	-0.1064	64.06	-5.22
74	73 Shell-Thick	SLU-SISMICA	-0.5907	0.7488	62.47	-5.22
74	73 Shell-Thick	SLE-RARA	3.7425	1.3391	18.80	-3.61
74	73 Shell-Thick	SLE-RARA	3.7205	0.4193	20.40	-3.61
74	73 Shell-Thick	SLE-RARA	-0.2408	-0.1966	20.40	-5.21
74	73 Shell-Thick	SLE-RARA	-0.1430	0.6490	18.80	-5.21
74	73 Shell-Thick	SLE-FREQ.	3.4754	1.2834	17.40	-3.61
74	73 Shell-Thick	SLE-FREQ.	3.4543	0.3635	18.99	-3.61
74	73 Shell-Thick	SLE-FREQ.	-0.2258	-0.1995	18.99	-5.21
74	73 Shell-Thick	SLE-FREQ.	-0.1286	0.6458	17.40	-5.21
74	73 Shell-Thick	SLE-QP	2.6741	1.1163	13.18	-3.61
74	73 Shell-Thick	SLE-QP	2.6558	0.1962	14.78	-3.61
74	73 Shell-Thick	SLE-QP	-0.1810	-0.2082	14.78	-5.21
74	73 Shell-Thick	SLE-QP	-0.0854	0.6362	13.18	-5.21
75	74 Shell-Thick	SLU-STATICA	0.3245	1.1163	20.12	-6.51
75	74 Shell-Thick	SLU-STATICA	-0.1317	-0.3802	21.68	-6.51
75	74 Shell-Thick	SLU-STATICA	-4.3533	-1.0217	21.68	-8.07
75	74 Shell-Thick	SLU-STATICA	-3.8213	0.4006	20.12	-8.07
75	74 Shell-Thick	SLU-SISMICA	-0.1759	0.9590	48.78	-5.02
75	74 Shell-Thick	SLU-SISMICA	-0.4972	-0.1920	49.97	-5.02
75	74 Shell-Thick	SLU-SISMICA	-10.4070	-1.9797	49.97	-6.22
75	74 Shell-Thick	SLU-SISMICA	-10.0316	-0.8816	48.78	-6.22
75	74 Shell-Thick	SLE-RARA	0.2582	0.8567	14.80	-5.01
75	74 Shell-Thick	SLE-RARA	-0.0933	-0.2945	16.01	-5.01
75	74 Shell-Thick	SLE-RARA	-3.2060	-0.7618	16.01	-6.21
75	74 Shell-Thick	SLE-RARA	-2.7962	0.3322	14.80	-6.21
75	74 Shell-Thick	SLE-FREQ.	0.2721	0.8534	13.71	-5.01
75	74 Shell-Thick	SLE-FREQ.	-0.0803	-0.2978	14.91	-5.01
75	74 Shell-Thick	SLE-FREQ.	-2.9742	-0.7226	14.91	-6.21
75	74 Shell-Thick	SLE-FREQ.	-2.5633	0.3713	13.71	-6.21
75	74 Shell-Thick	SLE-QP	0.3141	0.8435	10.43	-5.00
75	74 Shell-Thick	SLE-QP	-0.0413	-0.3077	11.63	-5.00
75	74 Shell-Thick	SLE-QP	-2.2789	-0.6050	11.63	-6.21
75	74 Shell-Thick	SLE-QP	-1.8646	0.4885	10.43	-6.21
76	75 Shell-Thick	SLU-STATICA	-3.4460	0.5952	14.50	-7.88
76	75 Shell-Thick	SLU-STATICA	-4.2306	-1.1167	15.59	-7.88
76	75 Shell-Thick	SLU-STATICA	-7.2670	-1.5473	15.59	-8.97
76	75 Shell-Thick	SLU-STATICA	-6.4312	0.1145	14.50	-8.97

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76	75	Shell-Thick	SLU-SISMICA	-9.6889	-0.7274	34.94	-6.08
76	75	Shell-Thick	SLU-SISMICA	-10.2913	-2.0422	35.76	-6.08
76	75	Shell-Thick	SLU-SISMICA	-17.3826	-3.2650	35.76	-6.91
76	75	Shell-Thick	SLU-SISMICA	-16.7494	-1.9802	34.94	-6.91
76	75	Shell-Thick	SLE-RARA	-2.5085	0.4818	10.67	-6.06
76	75	Shell-Thick	SLE-RARA	-3.1121	-0.8351	11.51	-6.06
76	75	Shell-Thick	SLE-RARA	-5.3517	-1.1483	11.51	-6.90
76	75	Shell-Thick	SLE-RARA	-4.7085	0.1299	10.67	-6.90
76	75	Shell-Thick	SLE-FREQ.	-2.2774	0.5208	9.89	-6.06
76	75	Shell-Thick	SLE-FREQ.	-2.8810	-0.7962	10.73	-6.06
76	75	Shell-Thick	SLE-FREQ.	-4.9644	-1.0801	10.73	-6.90
76	75	Shell-Thick	SLE-FREQ.	-4.3210	0.1978	9.89	-6.90
76	75	Shell-Thick	SLE-QP	-1.5840	0.6375	7.55	-6.06
76	75	Shell-Thick	SLE-QP	-2.1878	-0.6796	8.39	-6.06
76	75	Shell-Thick	SLE-QP	-3.8027	-0.8757	8.39	-6.90
76	75	Shell-Thick	SLE-QP	-3.1582	0.4016	7.55	-6.90
77	76	Shell-Thick	SLU-STATICA	-6.2048	0.2394	8.75	-8.85
77	76	Shell-Thick	SLU-STATICA	-7.1870	-1.6109	9.39	-8.85
77	76	Shell-Thick	SLU-STATICA	-9.0187	-1.8666	9.39	-9.49
77	76	Shell-Thick	SLU-STATICA	-8.0049	-0.0472	8.75	-9.49
77	76	Shell-Thick	SLU-SISMICA	-16.5645	-1.8823	21.00	-6.81
77	76	Shell-Thick	SLU-SISMICA	-17.2839	-3.3062	21.49	-6.81
77	76	Shell-Thick	SLU-SISMICA	-21.5489	-4.0529	21.49	-7.30
77	76	Shell-Thick	SLU-SISMICA	-20.8062	-2.6518	21.00	-7.30
77	76	Shell-Thick	SLE-RARA	-4.5346	0.2259	6.44	-6.80
77	76	Shell-Thick	SLE-RARA	-5.2909	-1.1974	6.94	-6.80
77	76	Shell-Thick	SLE-RARA	-6.6422	-1.3829	6.94	-7.30
77	76	Shell-Thick	SLE-RARA	-5.8616	0.0166	6.44	-7.30
77	76	Shell-Thick	SLE-FREQ.	-4.1474	0.2938	5.97	-6.80
77	76	Shell-Thick	SLE-FREQ.	-4.9049	-1.1295	6.47	-6.80
77	76	Shell-Thick	SLE-FREQ.	-6.1624	-1.2970	6.47	-7.30
77	76	Shell-Thick	SLE-FREQ.	-5.3805	0.1025	5.97	-7.30
77	76	Shell-Thick	SLE-QP	-2.9857	0.4974	4.57	-6.80
77	76	Shell-Thick	SLE-QP	-3.7468	-0.9258	5.06	-6.80
77	76	Shell-Thick	SLE-QP	-4.7229	-1.0392	5.06	-7.30
77	76	Shell-Thick	SLE-QP	-3.9374	0.3601	4.57	-7.30
78	77	Shell-Thick	SLU-STATICA	-7.8911	0.0142	2.93	-9.43
78	77	Shell-Thick	SLU-STATICA	-8.9847	-1.8984	3.14	-9.43
78	77	Shell-Thick	SLU-STATICA	-9.5962	-1.9800	3.14	-9.64
78	77	Shell-Thick	SLU-STATICA	-8.4932	-0.0765	2.93	-9.64
78	77	Shell-Thick	SLU-SISMICA	-20.6929	-2.6023	7.01	-7.26
78	77	Shell-Thick	SLU-SISMICA	-21.5145	-4.0728	7.17	-7.26
78	77	Shell-Thick	SLU-SISMICA	-22.9351	-4.3128	7.17	-7.42
78	77	Shell-Thick	SLU-SISMICA	-22.1101	-2.8457	7.01	-7.42
78	77	Shell-Thick	SLE-RARA	-5.7745	0.0638	2.15	-7.25
78	77	Shell-Thick	SLE-RARA	-6.6162	-1.4075	2.32	-7.25
78	77	Shell-Thick	SLE-RARA	-7.0674	-1.4667	2.32	-7.41
78	77	Shell-Thick	SLE-RARA	-6.2184	-0.0026	2.15	-7.41
78	77	Shell-Thick	SLE-FREQ.	-5.2943	0.1496	2.00	-7.25
78	77	Shell-Thick	SLE-FREQ.	-6.1366	-1.3217	2.16	-7.25
78	77	Shell-Thick	SLE-FREQ.	-6.5566	-1.3751	2.16	-7.41
78	77	Shell-Thick	SLE-FREQ.	-5.7069	0.0890	2.00	-7.41
78	77	Shell-Thick	SLE-QP	-3.8538	0.4070	1.53	-7.25
78	77	Shell-Thick	SLE-QP	-4.6980	-1.0644	1.69	-7.25
78	77	Shell-Thick	SLE-QP	-5.0243	-1.1003	1.69	-7.41
78	77	Shell-Thick	SLE-QP	-4.1723	0.3635	1.53	-7.41
79	78	Shell-Thick	SLU-STATICA	-8.4932	-0.0765	-2.93	-9.64
79	78	Shell-Thick	SLU-STATICA	-9.5962	-1.9800	-3.14	-9.64
79	78	Shell-Thick	SLU-STATICA	-8.9847	-1.8984	-3.14	-9.43
79	78	Shell-Thick	SLU-STATICA	-7.8911	0.0142	-2.93	-9.43
79	78	Shell-Thick	SLU-SISMICA	-22.1101	-2.8457	-7.01	-7.42
79	78	Shell-Thick	SLU-SISMICA	-22.9351	-4.3128	-7.17	-7.42
79	78	Shell-Thick	SLU-SISMICA	-21.5145	-4.0728	-7.17	-7.26
79	78	Shell-Thick	SLU-SISMICA	-20.6929	-2.6023	-7.01	-7.26
79	78	Shell-Thick	SLE-RARA	-6.2184	-0.0026	-2.15	-7.41
79	78	Shell-Thick	SLE-RARA	-7.0674	-1.4667	-2.32	-7.41
79	78	Shell-Thick	SLE-RARA	-6.6162	-1.4075	-2.32	-7.25
79	78	Shell-Thick	SLE-RARA	-5.7745	0.0638	-2.15	-7.25
79	78	Shell-Thick	SLE-FREQ.	-5.7069	0.0890	-2.00	-7.41



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79	78 Shell-Thick	SLE-FREQ.	-6.5566	-1.3751	-2.16	-7.41
79	78 Shell-Thick	SLE-FREQ.	-6.1366	-1.3217	-2.16	-7.25
79	78 Shell-Thick	SLE-FREQ.	-5.2943	0.1496	-2.00	-7.25
79	78 Shell-Thick	SLE-QP	-4.1723	0.3635	-1.53	-7.41
79	78 Shell-Thick	SLE-QP	-5.0243	-1.1003	-1.69	-7.41
79	78 Shell-Thick	SLE-QP	-4.6980	-1.0644	-1.69	-7.25
79	78 Shell-Thick	SLE-QP	-3.8538	0.4070	-1.53	-7.25
80	79 Shell-Thick	SLU-STATICA	-8.0049	-0.0472	-8.75	-9.49
80	79 Shell-Thick	SLU-STATICA	-9.0187	-1.8666	-9.39	-9.49
80	79 Shell-Thick	SLU-STATICA	-7.1870	-1.6109	-9.39	-8.85
80	79 Shell-Thick	SLU-STATICA	-6.2048	0.2394	-8.75	-8.85
80	79 Shell-Thick	SLU-SISMICA	-20.8062	-2.6518	-21.00	-7.30
80	79 Shell-Thick	SLU-SISMICA	-21.5489	-4.0529	-21.49	-7.30
80	79 Shell-Thick	SLU-SISMICA	-17.2839	-3.3062	-21.49	-6.81
80	79 Shell-Thick	SLU-SISMICA	-16.5645	-1.8823	-21.00	-6.81
80	79 Shell-Thick	SLE-RARA	-5.8616	0.0166	-6.44	-7.30
80	79 Shell-Thick	SLE-RARA	-6.6422	-1.3829	-6.94	-7.30
80	79 Shell-Thick	SLE-RARA	-5.2909	-1.1974	-6.94	-6.80
80	79 Shell-Thick	SLE-RARA	-4.5346	0.2259	-6.44	-6.80
80	79 Shell-Thick	SLE-FREQ.	-5.3805	0.1025	-5.97	-7.30
80	79 Shell-Thick	SLE-FREQ.	-6.1624	-1.2970	-6.47	-7.30
80	79 Shell-Thick	SLE-FREQ.	-4.9049	-1.1295	-6.47	-6.80
80	79 Shell-Thick	SLE-FREQ.	-4.1474	0.2938	-5.97	-6.80
80	79 Shell-Thick	SLE-QP	-3.9374	0.3601	-4.57	-7.30
80	79 Shell-Thick	SLE-QP	-4.7229	-1.0392	-5.06	-7.30
80	79 Shell-Thick	SLE-QP	-3.7468	-0.9258	-5.06	-6.80
80	79 Shell-Thick	SLE-QP	-2.9857	0.4974	-4.57	-6.80
81	80 Shell-Thick	SLU-STATICA	-6.4312	0.1145	-14.50	-8.97
81	80 Shell-Thick	SLU-STATICA	-7.2670	-1.5473	-15.59	-8.97
81	80 Shell-Thick	SLU-STATICA	-4.2306	-1.1167	-15.59	-7.88
81	80 Shell-Thick	SLU-STATICA	-3.4460	0.5952	-14.50	-7.88
81	80 Shell-Thick	SLU-SISMICA	-16.7494	-1.9802	-34.94	-6.91
81	80 Shell-Thick	SLU-SISMICA	-17.3826	-3.2650	-35.76	-6.91
81	80 Shell-Thick	SLU-SISMICA	-10.2913	-2.0422	-35.76	-6.08
81	80 Shell-Thick	SLU-SISMICA	-9.6889	-0.7274	-34.94	-6.08
81	80 Shell-Thick	SLE-RARA	-4.7085	0.1299	-10.67	-6.90
81	80 Shell-Thick	SLE-RARA	-5.3517	-1.1483	-11.51	-6.90
81	80 Shell-Thick	SLE-RARA	-3.1121	-0.8351	-11.51	-6.06
81	80 Shell-Thick	SLE-RARA	-2.5085	0.4818	-10.67	-6.06
81	80 Shell-Thick	SLE-FREQ.	-4.3210	0.1978	-9.89	-6.90
81	80 Shell-Thick	SLE-FREQ.	-4.9644	-1.0801	-10.73	-6.90
81	80 Shell-Thick	SLE-FREQ.	-2.8810	-0.7962	-10.73	-6.06
81	80 Shell-Thick	SLE-FREQ.	-2.2774	0.5208	-9.89	-6.06
81	80 Shell-Thick	SLE-QP	-3.1582	0.4016	-7.55	-6.90
81	80 Shell-Thick	SLE-QP	-3.8027	-0.8757	-8.39	-6.90
81	80 Shell-Thick	SLE-QP	-2.1878	-0.6796	-8.39	-6.06
81	80 Shell-Thick	SLE-QP	-1.5840	0.6375	-7.55	-6.06
82	81 Shell-Thick	SLU-STATICA	-3.8213	0.4006	-20.12	-8.07
82	81 Shell-Thick	SLU-STATICA	-4.3533	-1.0217	-21.68	-8.07
82	81 Shell-Thick	SLU-STATICA	-0.1317	-0.3802	-21.68	-6.51
82	81 Shell-Thick	SLU-STATICA	0.3245	1.1163	-20.12	-6.51
82	81 Shell-Thick	SLU-SISMICA	-10.0316	-0.8816	-48.78	-6.22
82	81 Shell-Thick	SLU-SISMICA	-10.4070	-1.9797	-49.97	-6.22
82	81 Shell-Thick	SLU-SISMICA	-0.4972	-0.1920	-49.97	-5.02
82	81 Shell-Thick	SLU-SISMICA	-0.1759	0.9590	-48.78	-5.02
82	81 Shell-Thick	SLE-RARA	-2.7962	0.3322	-14.80	-6.21
82	81 Shell-Thick	SLE-RARA	-3.2060	-0.7618	-16.01	-6.21
82	81 Shell-Thick	SLE-RARA	-0.0933	-0.2945	-16.01	-5.01
82	81 Shell-Thick	SLE-RARA	0.2582	0.8567	-14.80	-5.01
82	81 Shell-Thick	SLE-FREQ.	-2.5633	0.3713	-13.71	-6.21
82	81 Shell-Thick	SLE-FREQ.	-2.9742	-0.7226	-14.91	-6.21
82	81 Shell-Thick	SLE-FREQ.	-0.0803	-0.2978	-14.91	-5.01
82	81 Shell-Thick	SLE-FREQ.	0.2721	0.8534	-13.71	-5.01
82	81 Shell-Thick	SLE-QP	-1.8646	0.4885	-10.43	-6.21
82	81 Shell-Thick	SLE-QP	-2.2789	-0.6050	-11.63	-6.21
82	81 Shell-Thick	SLE-QP	-0.0413	-0.3077	-11.63	-5.00
82	81 Shell-Thick	SLE-QP	0.3141	0.8435	-10.43	-5.00
83	82 Shell-Thick	SLU-STATICA	-0.1974	0.8463	-25.57	-6.77
83	82 Shell-Thick	SLU-STATICA	-0.3250	-0.2532	-27.64	-6.77



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83	82 Shell-Thick	SLU-STATICA	5.0495	0.5897	-27.64	-4.69
83	82 Shell-Thick	SLU-STATICA	5.0790	1.7853	-25.57	-4.69
83	82 Shell-Thick	SLU-SISMICA	-0.5907	0.7488	-62.47	-5.22
83	82 Shell-Thick	SLU-SISMICA	-0.7052	-0.1064	-64.06	-5.22
83	82 Shell-Thick	SLU-SISMICA	11.9892	2.1525	-64.06	-3.63
83	82 Shell-Thick	SLU-SISMICA	12.0408	3.0691	-62.47	-3.63
83	82 Shell-Thick	SLE-RARA	-0.1430	0.6490	-18.80	-5.21
83	82 Shell-Thick	SLE-RARA	-0.2408	-0.1966	-20.40	-5.21
83	82 Shell-Thick	SLE-RARA	3.7205	0.4193	-20.40	-3.61
83	82 Shell-Thick	SLE-RARA	3.7425	1.3391	-18.80	-3.61
83	82 Shell-Thick	SLE-FREQ.	-0.1286	0.6458	-17.40	-5.21
83	82 Shell-Thick	SLE-FREQ.	-0.2258	-0.1995	-18.99	-5.21
83	82 Shell-Thick	SLE-FREQ.	3.4543	0.3635	-18.99	-3.61
83	82 Shell-Thick	SLE-FREQ.	3.4754	1.2834	-17.40	-3.61
83	82 Shell-Thick	SLE-QP	-0.0854	0.6362	-13.18	-5.21
83	82 Shell-Thick	SLE-QP	-0.1810	-0.2082	-14.78	-5.21
83	82 Shell-Thick	SLE-QP	2.6558	0.1962	-14.78	-3.61
83	82 Shell-Thick	SLE-QP	2.6741	1.1163	-13.18	-3.61
84	83 Shell-Thick	SLU-STATICA	4.3604	1.4294	-30.81	-5.03
84	83 Shell-Thick	SLU-STATICA	4.7819	0.7485	-33.45	-5.03
84	83 Shell-Thick	SLU-STATICA	11.2772	1.8567	-33.45	-2.39
84	83 Shell-Thick	SLU-STATICA	10.7287	2.6620	-30.81	-2.39
84	83 Shell-Thick	SLU-SISMICA	11.4201	2.7868	-76.02	-3.88
84	83 Shell-Thick	SLU-SISMICA	11.7195	2.2566	-78.04	-3.88
84	83 Shell-Thick	SLU-SISMICA	27.1842	5.1812	-78.04	-1.86
84	83 Shell-Thick	SLU-SISMICA	26.7939	5.8003	-76.02	-1.86
84	83 Shell-Thick	SLE-RARA	3.1912	1.0654	-22.64	-3.87
84	83 Shell-Thick	SLE-RARA	3.5159	0.5418	-24.67	-3.87
84	83 Shell-Thick	SLE-RARA	8.3007	1.3524	-24.67	-1.84
84	83 Shell-Thick	SLE-RARA	7.8781	1.9718	-22.64	-1.84
84	83 Shell-Thick	SLE-FREQ.	2.9263	1.0100	-20.93	-3.87
84	83 Shell-Thick	SLE-FREQ.	3.2519	0.4866	-22.96	-3.87
84	83 Shell-Thick	SLE-FREQ.	7.6929	1.2292	-22.96	-1.84
84	83 Shell-Thick	SLE-FREQ.	7.2693	1.8486	-20.93	-1.84
84	83 Shell-Thick	SLE-QP	2.1317	0.8438	-15.77	-3.87
84	83 Shell-Thick	SLE-QP	2.4597	0.3210	-17.80	-3.87
84	83 Shell-Thick	SLE-QP	5.8694	0.8594	-17.80	-1.84
84	83 Shell-Thick	SLE-QP	5.4427	1.4789	-15.77	-1.84
85	84 Shell-Thick	SLU-STATICA	9.7907	2.2092	-35.82	-2.82
85	84 Shell-Thick	SLU-STATICA	10.9043	2.0473	-39.08	-2.82
85	84 Shell-Thick	SLU-STATICA	18.4772	3.4123	-39.08	0.44
85	84 Shell-Thick	SLU-STATICA	17.2094	3.7250	-35.82	0.44
85	84 Shell-Thick	SLU-SISMICA	25.9585	5.4337	-89.37	-2.18
85	84 Shell-Thick	SLU-SISMICA	26.7754	5.2989	-91.87	-2.18
85	84 Shell-Thick	SLU-SISMICA	44.9660	8.7835	-91.87	0.33
85	84 Shell-Thick	SLU-SISMICA	44.0459	9.0189	-89.37	0.33
85	84 Shell-Thick	SLE-RARA	7.1589	1.6239	-26.30	-2.17
85	84 Shell-Thick	SLE-RARA	8.0164	1.4996	-28.81	-2.17
85	84 Shell-Thick	SLE-RARA	13.5917	2.5004	-28.81	0.34
85	84 Shell-Thick	SLE-RARA	12.6154	2.7410	-26.30	0.34
85	84 Shell-Thick	SLE-FREQ.	6.5538	1.5013	-24.27	-2.16
85	84 Shell-Thick	SLE-FREQ.	7.4125	1.3773	-26.78	-2.16
85	84 Shell-Thick	SLE-FREQ.	12.5818	2.2981	-26.78	0.34
85	84 Shell-Thick	SLE-FREQ.	11.6037	2.5390	-24.27	0.34
85	84 Shell-Thick	SLE-QP	4.7384	1.1334	-18.18	-2.16
85	84 Shell-Thick	SLE-QP	5.6011	1.0104	-20.69	-2.16
85	84 Shell-Thick	SLE-QP	9.5522	1.6914	-20.69	0.34
85	84 Shell-Thick	SLE-QP	8.5687	1.9328	-18.18	0.34
86	85 Shell-Thick	SLU-STATICA	18.8048	4.0656	38.79	0.48
86	85 Shell-Thick	SLU-STATICA	20.1662	3.7286	42.28	0.48
86	85 Shell-Thick	SLU-STATICA	11.9677	2.2267	42.28	-3.01
86	85 Shell-Thick	SLU-STATICA	10.7771	2.3964	38.79	-3.01
86	85 Shell-Thick	SLU-SISMICA	45.2171	9.2760	91.65	0.36
86	85 Shell-Thick	SLU-SISMICA	46.2577	9.0189	94.33	0.36
86	85 Shell-Thick	SLU-SISMICA	27.5814	5.3862	94.33	-2.32
86	85 Shell-Thick	SLU-SISMICA	26.6670	5.5198	91.65	-2.32
86	85 Shell-Thick	SLE-RARA	13.8438	3.0032	28.59	0.37
86	85 Shell-Thick	SLE-RARA	14.8912	2.7438	31.27	0.37
86	85 Shell-Thick	SLE-RARA	8.8346	1.6386	31.27	-2.32

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86	85 Shell-Thick	SLE-RARA	7.9187	1.7691	28.59	-2.32
86	85 Shell-Thick	SLE-FREQ.	12.8340	2.8012	26.56	0.37
86	85 Shell-Thick	SLE-FREQ.	13.8815	2.5419	29.24	0.37
86	85 Shell-Thick	SLE-FREQ.	8.2311	1.5180	29.24	-2.32
86	85 Shell-Thick	SLE-FREQ.	7.3153	1.6483	26.56	-2.32
86	85 Shell-Thick	SLE-QP	9.8044	2.1955	20.47	0.37
86	85 Shell-Thick	SLE-QP	10.8526	1.9359	23.15	0.37
86	85 Shell-Thick	SLE-QP	6.4208	1.1561	23.15	-2.31
86	85 Shell-Thick	SLE-QP	5.5048	1.2862	20.47	-2.31
87	86 Shell-Thick	SLU-STATICA	11.6388	2.8559	33.21	-2.55
87	86 Shell-Thick	SLU-STATICA	12.2285	1.9917	36.07	-2.55
87	86 Shell-Thick	SLU-STATICA	5.2256	0.7845	36.07	-5.41
87	86 Shell-Thick	SLU-STATICA	4.7733	1.5141	33.21	-5.41
87	86 Shell-Thick	SLU-SISMICA	27.4586	5.8932	77.85	-1.97
87	86 Shell-Thick	SLU-SISMICA	27.8870	5.2323	80.04	-1.97
87	86 Shell-Thick	SLU-SISMICA	12.0379	2.2714	80.04	-4.17
87	86 Shell-Thick	SLU-SISMICA	11.7042	2.8398	77.85	-4.17
87	86 Shell-Thick	SLE-RARA	8.5789	2.1221	24.49	-1.96
87	86 Shell-Thick	SLE-RARA	9.0331	1.4573	26.69	-1.96
87	86 Shell-Thick	SLE-RARA	3.8577	0.5698	26.69	-4.16
87	86 Shell-Thick	SLE-RARA	3.5094	1.1308	24.49	-4.16
87	86 Shell-Thick	SLE-FREQ.	7.9712	2.0007	22.77	-1.96
87	86 Shell-Thick	SLE-FREQ.	8.4262	1.3358	24.97	-1.96
87	86 Shell-Thick	SLE-FREQ.	3.5944	0.5150	24.97	-4.16
87	86 Shell-Thick	SLE-FREQ.	3.2456	1.0758	22.77	-4.16
87	86 Shell-Thick	SLE-QP	6.1481	1.6366	17.62	-1.96
87	86 Shell-Thick	SLE-QP	6.6056	0.9713	19.82	-1.96
87	86 Shell-Thick	SLE-QP	2.8044	0.3507	19.82	-4.16
87	86 Shell-Thick	SLE-QP	2.4543	0.9108	17.62	-4.16
88	87 Shell-Thick	SLU-STATICA	5.4316	1.8789	27.46	-5.04
88	87 Shell-Thick	SLU-STATICA	5.4142	0.5890	29.73	-5.04
88	87 Shell-Thick	SLU-STATICA	-0.3654	-0.3764	29.73	-7.31
88	87 Shell-Thick	SLU-STATICA	-0.2375	0.8053	27.46	-7.31
88	87 Shell-Thick	SLU-SISMICA	12.2763	3.1308	63.92	-3.89
88	87 Shell-Thick	SLU-SISMICA	12.2611	2.1394	65.66	-3.89
88	87 Shell-Thick	SLU-SISMICA	-0.7487	-0.2988	65.66	-5.62
88	87 Shell-Thick	SLU-SISMICA	-0.6526	0.6136	63.92	-5.62
88	87 Shell-Thick	SLE-RARA	4.0145	1.4113	20.26	-3.88
88	87 Shell-Thick	SLE-RARA	4.0011	0.4190	22.01	-3.88
88	87 Shell-Thick	SLE-RARA	-0.2716	-0.2894	22.01	-5.62
88	87 Shell-Thick	SLE-RARA	-0.1732	0.6196	20.26	-5.62
88	87 Shell-Thick	SLE-FREQ.	3.7486	1.3559	18.85	-3.88
88	87 Shell-Thick	SLE-FREQ.	3.7353	0.3637	20.60	-3.88
88	87 Shell-Thick	SLE-FREQ.	-0.2562	-0.2891	20.60	-5.62
88	87 Shell-Thick	SLE-FREQ.	-0.1578	0.6198	18.85	-5.62
88	87 Shell-Thick	SLE-QP	2.9508	1.1899	14.64	-3.87
88	87 Shell-Thick	SLE-QP	2.9376	0.1975	16.39	-3.87
88	87 Shell-Thick	SLE-QP	-0.2102	-0.2882	16.39	-5.62
88	87 Shell-Thick	SLE-QP	-0.1115	0.6204	14.64	-5.62
89	88 Shell-Thick	SLU-STATICA	0.2573	1.0856	21.54	-7.02
89	88 Shell-Thick	SLU-STATICA	-0.2386	-0.5325	23.27	-7.02
89	88 Shell-Thick	SLU-STATICA	-4.7644	-1.2464	23.27	-8.75
89	88 Shell-Thick	SLU-STATICA	-4.1864	0.2914	21.54	-8.75
89	88 Shell-Thick	SLU-SISMICA	-0.2132	0.8363	49.85	-5.41
89	88 Shell-Thick	SLU-SISMICA	-0.6076	-0.4053	51.17	-5.41
89	88 Shell-Thick	SLU-SISMICA	-10.7460	-2.2265	51.17	-6.73
89	88 Shell-Thick	SLU-SISMICA	-10.2971	-1.0381	49.85	-6.73
89	88 Shell-Thick	SLE-RARA	0.2062	0.8351	15.90	-5.40
89	88 Shell-Thick	SLE-RARA	-0.1750	-0.4097	17.23	-5.40
89	88 Shell-Thick	SLE-RARA	-3.5218	-0.9331	17.23	-6.73
89	88 Shell-Thick	SLE-RARA	-3.0773	0.2497	15.90	-6.73
89	88 Shell-Thick	SLE-FREQ.	0.2197	0.8351	14.81	-5.40
89	88 Shell-Thick	SLE-FREQ.	-0.1611	-0.4098	16.13	-5.40
89	88 Shell-Thick	SLE-FREQ.	-3.2893	-0.8915	16.13	-6.73
89	88 Shell-Thick	SLE-FREQ.	-2.8449	0.2911	14.81	-6.73
89	88 Shell-Thick	SLE-QP	0.2602	0.8349	11.53	-5.40
89	88 Shell-Thick	SLE-QP	-0.1193	-0.4103	12.85	-5.40
89	88 Shell-Thick	SLE-QP	-2.5917	-0.7666	12.85	-6.73
89	88 Shell-Thick	SLE-QP	-2.1478	0.4155	11.53	-6.73

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90	89	Shell-Thick	SLU-STATICA	-3.8437	0.4942	15.49	-8.53
90	89	Shell-Thick	SLU-STATICA	-4.6785	-1.3634	16.70	-8.53
90	89	Shell-Thick	SLU-STATICA	-7.9297	-1.8686	16.70	-9.74
90	89	Shell-Thick	SLU-STATICA	-7.0360	-0.0686	15.49	-9.74
90	89	Shell-Thick	SLU-SISMICA	-10.0109	-0.8785	35.69	-6.57
90	89	Shell-Thick	SLU-SISMICA	-10.6365	-2.3069	36.62	-6.57
90	89	Shell-Thick	SLU-SISMICA	-17.8955	-3.6316	36.62	-7.49
90	89	Shell-Thick	SLU-SISMICA	-17.2265	-2.2457	35.69	-7.49
90	89	Shell-Thick	SLE-RARA	-2.8141	0.4056	11.44	-6.56
90	89	Shell-Thick	SLE-RARA	-3.4566	-1.0234	12.37	-6.56
90	89	Shell-Thick	SLE-RARA	-5.8614	-1.3931	12.37	-7.49
90	89	Shell-Thick	SLE-RARA	-5.1736	-0.0084	11.44	-7.49
90	89	Shell-Thick	SLE-FREQ.	-2.5825	0.4469	10.65	-6.56
90	89	Shell-Thick	SLE-FREQ.	-3.2255	-0.9821	11.59	-6.56
90	89	Shell-Thick	SLE-FREQ.	-5.4740	-1.3210	11.59	-7.49
90	89	Shell-Thick	SLE-FREQ.	-4.7856	0.0636	10.65	-7.49
90	89	Shell-Thick	SLE-QP	-1.8875	0.5709	8.31	-6.56
90	89	Shell-Thick	SLE-QP	-2.5322	-0.8581	9.24	-6.56
90	89	Shell-Thick	SLE-QP	-4.3119	-1.1048	9.24	-7.49
90	89	Shell-Thick	SLE-QP	-3.6218	0.2796	8.31	-7.49
91	90	Shell-Thick	SLU-STATICA	-6.8130	0.0635	9.34	-9.60
91	90	Shell-Thick	SLU-STATICA	-7.8822	-1.9465	10.05	-9.60
91	90	Shell-Thick	SLU-STATICA	-9.8393	-2.2375	10.05	-10.32
91	90	Shell-Thick	SLU-STATICA	-8.7366	-0.2603	9.34	-10.32
91	90	Shell-Thick	SLU-SISMICA	-17.0186	-2.1405	21.45	-7.39
91	90	Shell-Thick	SLU-SISMICA	-17.8416	-3.6845	21.99	-7.39
91	90	Shell-Thick	SLU-SISMICA	-22.1993	-4.4504	21.99	-7.94
91	90	Shell-Thick	SLU-SISMICA	-21.3558	-2.9264	21.45	-7.94
91	90	Shell-Thick	SLE-RARA	-5.0028	0.0931	6.89	-7.39
91	90	Shell-Thick	SLE-RARA	-5.8252	-1.4531	7.44	-7.39
91	90	Shell-Thick	SLE-RARA	-7.2730	-1.6660	7.44	-7.94
91	90	Shell-Thick	SLE-RARA	-6.4247	-0.1451	6.89	-7.94
91	90	Shell-Thick	SLE-FREQ.	-4.6160	0.1650	6.42	-7.39
91	90	Shell-Thick	SLE-FREQ.	-5.4384	-1.3813	6.98	-7.39
91	90	Shell-Thick	SLE-FREQ.	-6.7925	-1.5764	6.98	-7.94
91	90	Shell-Thick	SLE-FREQ.	-5.9441	-0.0556	6.42	-7.94
91	90	Shell-Thick	SLE-QP	-3.4557	0.3806	5.02	-7.39
91	90	Shell-Thick	SLE-QP	-4.2780	-1.1659	5.57	-7.39
91	90	Shell-Thick	SLE-QP	-5.3512	-1.3075	5.57	-7.94
91	90	Shell-Thick	SLE-QP	-4.5023	0.2130	5.02	-7.94
92	91	Shell-Thick	SLU-STATICA	-8.6318	-0.1955	3.12	-10.25
92	91	Shell-Thick	SLU-STATICA	-9.8154	-2.2765	3.36	-10.25
92	91	Shell-Thick	SLU-STATICA	-10.4696	-2.3763	3.36	-10.49
92	91	Shell-Thick	SLU-STATICA	-9.2739	-0.3072	3.12	-10.49
92	91	Shell-Thick	SLU-SISMICA	-21.2667	-2.8753	7.16	-7.88
92	91	Shell-Thick	SLU-SISMICA	-22.1649	-4.4768	7.34	-7.88
92	91	Shell-Thick	SLU-SISMICA	-23.6208	-4.7458	7.34	-8.07
92	91	Shell-Thick	SLU-SISMICA	-22.7119	-3.1549	7.16	-8.07
92	91	Shell-Thick	SLE-RARA	-6.3443	-0.0953	2.30	-7.88
92	91	Shell-Thick	SLE-RARA	-7.2550	-1.6961	2.49	-7.88
92	91	Shell-Thick	SLE-RARA	-7.7389	-1.7689	2.49	-8.07
92	91	Shell-Thick	SLE-RARA	-6.8190	-0.1773	2.30	-8.07
92	91	Shell-Thick	SLE-FREQ.	-5.8640	-0.0059	2.15	-7.88
92	91	Shell-Thick	SLE-FREQ.	-6.7750	-1.6066	2.33	-7.88
92	91	Shell-Thick	SLE-FREQ.	-7.2277	-1.6731	2.33	-8.07
92	91	Shell-Thick	SLE-FREQ.	-6.3074	-0.0815	2.15	-8.07
92	91	Shell-Thick	SLE-QP	-4.4230	0.2626	1.68	-7.88
92	91	Shell-Thick	SLE-QP	-5.3353	-1.3381	1.86	-7.88
92	91	Shell-Thick	SLE-QP	-5.6941	-1.3857	1.86	-8.07
92	91	Shell-Thick	SLE-QP	-4.7727	0.2061	1.68	-8.07
93	92	Shell-Thick	SLU-STATICA	-9.2739	-0.3072	-3.12	-10.49
93	92	Shell-Thick	SLU-STATICA	-10.4696	-2.3763	-3.36	-10.49
93	92	Shell-Thick	SLU-STATICA	-9.8154	-2.2765	-3.36	-10.25
93	92	Shell-Thick	SLU-STATICA	-8.6318	-0.1955	-3.12	-10.25
93	92	Shell-Thick	SLU-SISMICA	-22.7119	-3.1549	-7.16	-8.07
93	92	Shell-Thick	SLU-SISMICA	-23.6208	-4.7458	-7.34	-8.07
93	92	Shell-Thick	SLU-SISMICA	-22.1649	-4.4768	-7.34	-7.88
93	92	Shell-Thick	SLU-SISMICA	-21.2667	-2.8753	-7.16	-7.88
93	92	Shell-Thick	SLE-RARA	-6.8190	-0.1773	-2.30	-8.07

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93	92	Shell-Thick	SLE-RARA	-7.7389	-1.7689	-2.49	-8.07
93	92	Shell-Thick	SLE-RARA	-7.2550	-1.6961	-2.49	-7.88
93	92	Shell-Thick	SLE-RARA	-6.3443	-0.0953	-2.30	-7.88
93	92	Shell-Thick	SLE-FREQ.	-6.3074	-0.0815	-2.15	-8.07
93	92	Shell-Thick	SLE-FREQ.	-7.2277	-1.6731	-2.33	-8.07
93	92	Shell-Thick	SLE-FREQ.	-6.7750	-1.6066	-2.33	-7.88
93	92	Shell-Thick	SLE-FREQ.	-5.8640	-0.0059	-2.15	-7.88
93	92	Shell-Thick	SLE-QP	-4.7727	0.2061	-1.68	-8.07
93	92	Shell-Thick	SLE-QP	-5.6941	-1.3857	-1.86	-8.07
93	92	Shell-Thick	SLE-QP	-5.3353	-1.3381	-1.86	-7.88
93	92	Shell-Thick	SLE-QP	-4.4230	0.2626	-1.68	-7.88
94	93	Shell-Thick	SLU-STATICA	-8.7366	-0.2603	-9.34	-10.32
94	93	Shell-Thick	SLU-STATICA	-9.8393	-2.2375	-10.05	-10.32
94	93	Shell-Thick	SLU-STATICA	-7.8822	-1.9465	-10.05	-9.60
94	93	Shell-Thick	SLU-STATICA	-6.8130	0.0635	-9.34	-9.60
94	93	Shell-Thick	SLU-SISMICA	-21.3558	-2.9264	-21.45	-7.94
94	93	Shell-Thick	SLU-SISMICA	-22.1993	-4.4504	-21.99	-7.94
94	93	Shell-Thick	SLU-SISMICA	-17.8416	-3.6845	-21.99	-7.39
94	93	Shell-Thick	SLU-SISMICA	-17.0186	-2.1405	-21.45	-7.39
94	93	Shell-Thick	SLE-RARA	-6.4247	-0.1451	-6.89	-7.94
94	93	Shell-Thick	SLE-RARA	-7.2730	-1.6660	-7.44	-7.94
94	93	Shell-Thick	SLE-RARA	-5.8252	-1.4531	-7.44	-7.39
94	93	Shell-Thick	SLE-RARA	-5.0028	0.0931	-6.89	-7.39
94	93	Shell-Thick	SLE-FREQ.	-5.9441	-0.0556	-6.42	-7.94
94	93	Shell-Thick	SLE-FREQ.	-6.7925	-1.5764	-6.98	-7.94
94	93	Shell-Thick	SLE-FREQ.	-5.4384	-1.3813	-6.98	-7.39
94	93	Shell-Thick	SLE-FREQ.	-4.6160	0.1650	-6.42	-7.39
94	93	Shell-Thick	SLE-QP	-4.5023	0.2130	-5.02	-7.94
94	93	Shell-Thick	SLE-QP	-5.3512	-1.3075	-5.57	-7.94
94	93	Shell-Thick	SLE-QP	-4.2780	-1.1659	-5.57	-7.39
94	93	Shell-Thick	SLE-QP	-3.4557	0.3806	-5.02	-7.39
95	94	Shell-Thick	SLU-STATICA	-7.0360	-0.0686	-15.49	-9.74
95	94	Shell-Thick	SLU-STATICA	-7.9297	-1.8686	-16.70	-9.74
95	94	Shell-Thick	SLU-STATICA	-4.6785	-1.3634	-16.70	-8.53
95	94	Shell-Thick	SLU-STATICA	-3.8437	0.4942	-15.49	-8.53
95	94	Shell-Thick	SLU-SISMICA	-17.2265	-2.2457	-35.69	-7.49
95	94	Shell-Thick	SLU-SISMICA	-17.8955	-3.6316	-36.62	-7.49
95	94	Shell-Thick	SLU-SISMICA	-10.6365	-2.3069	-36.62	-6.57
95	94	Shell-Thick	SLU-SISMICA	-10.0109	-0.8785	-35.69	-6.57
95	94	Shell-Thick	SLE-RARA	-5.1736	-0.0084	-11.44	-7.49
95	94	Shell-Thick	SLE-RARA	-5.8614	-1.3931	-12.37	-7.49
95	94	Shell-Thick	SLE-RARA	-3.4566	-1.0234	-12.37	-6.56
95	94	Shell-Thick	SLE-RARA	-2.8141	0.4056	-11.44	-6.56
95	94	Shell-Thick	SLE-FREQ.	-4.7856	0.0636	-10.65	-7.49
95	94	Shell-Thick	SLE-FREQ.	-5.4740	-1.3210	-11.59	-7.49
95	94	Shell-Thick	SLE-FREQ.	-3.2255	-0.9821	-11.59	-6.56
95	94	Shell-Thick	SLE-FREQ.	-2.5825	0.4469	-10.65	-6.56
95	94	Shell-Thick	SLE-QP	-3.6218	0.2796	-8.31	-7.49
95	94	Shell-Thick	SLE-QP	-4.3119	-1.1048	-9.24	-7.49
95	94	Shell-Thick	SLE-QP	-2.5322	-0.8581	-9.24	-6.56
95	94	Shell-Thick	SLE-QP	-1.8875	0.5709	-8.31	-6.56
96	95	Shell-Thick	SLU-STATICA	-4.1864	0.2914	-21.54	-8.75
96	95	Shell-Thick	SLU-STATICA	-4.7644	-1.2464	-23.27	-8.75
96	95	Shell-Thick	SLU-STATICA	-0.2386	-0.5325	-23.27	-7.02
96	95	Shell-Thick	SLU-STATICA	0.2573	1.0856	-21.54	-7.02
96	95	Shell-Thick	SLU-SISMICA	-10.2971	-1.0381	-49.85	-6.73
96	95	Shell-Thick	SLU-SISMICA	-10.7460	-2.2265	-51.17	-6.73
96	95	Shell-Thick	SLU-SISMICA	-0.6076	-0.4053	-51.17	-5.41
96	95	Shell-Thick	SLU-SISMICA	-0.2132	0.8363	-49.85	-5.41
96	95	Shell-Thick	SLE-RARA	-3.0773	0.2497	-15.90	-6.73
96	95	Shell-Thick	SLE-RARA	-3.5218	-0.9331	-17.23	-6.73
96	95	Shell-Thick	SLE-RARA	-0.1750	-0.4097	-17.23	-5.40
96	95	Shell-Thick	SLE-RARA	0.2062	0.8351	-15.90	-5.40
96	95	Shell-Thick	SLE-FREQ.	-2.8449	0.2911	-14.81	-6.73
96	95	Shell-Thick	SLE-FREQ.	-3.2893	-0.8915	-16.13	-6.73
96	95	Shell-Thick	SLE-FREQ.	-0.1611	-0.4098	-16.13	-5.40
96	95	Shell-Thick	SLE-FREQ.	0.2197	0.8351	-14.81	-5.40
96	95	Shell-Thick	SLE-QP	-2.1478	0.4155	-11.53	-6.73
96	95	Shell-Thick	SLE-QP	-2.5917	-0.7666	-12.85	-6.73

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96	95	Shell-Thick	SLE-QP	-0.1193	-0.4103	-12.85	-5.40
96	95	Shell-Thick	SLE-QP	0.2602	0.8349	-11.53	-5.40
97	96	Shell-Thick	SLU-STATICA	-0.2375	0.8053	-27.46	-7.31
97	96	Shell-Thick	SLU-STATICA	-0.3654	-0.3764	-29.73	-7.31
97	96	Shell-Thick	SLU-STATICA	5.4142	0.5890	-29.73	-5.04
97	96	Shell-Thick	SLU-STATICA	5.4316	1.8789	-27.46	-5.04
97	96	Shell-Thick	SLU-SISMICA	-0.6526	0.6136	-63.92	-5.62
97	96	Shell-Thick	SLU-SISMICA	-0.7487	-0.2988	-65.66	-5.62
97	96	Shell-Thick	SLU-SISMICA	12.2611	2.1394	-65.66	-3.89
97	96	Shell-Thick	SLU-SISMICA	12.2763	3.1308	-63.92	-3.89
97	96	Shell-Thick	SLE-RARA	-0.1732	0.6196	-20.26	-5.62
97	96	Shell-Thick	SLE-RARA	-0.2716	-0.2894	-22.01	-5.62
97	96	Shell-Thick	SLE-RARA	4.0011	0.4190	-22.01	-3.88
97	96	Shell-Thick	SLE-RARA	4.0145	1.4113	-20.26	-3.88
97	96	Shell-Thick	SLE-FREQ.	-0.1578	0.6198	-18.85	-5.62
97	96	Shell-Thick	SLE-FREQ.	-0.2562	-0.2891	-20.60	-5.62
97	96	Shell-Thick	SLE-FREQ.	3.7353	0.3637	-20.60	-3.88
97	96	Shell-Thick	SLE-FREQ.	3.7486	1.3559	-18.85	-3.88
97	96	Shell-Thick	SLE-QP	-0.1115	0.6204	-14.64	-5.62
97	96	Shell-Thick	SLE-QP	-0.2102	-0.2882	-16.39	-5.62
97	96	Shell-Thick	SLE-QP	2.9376	0.1975	-16.39	-3.87
97	96	Shell-Thick	SLE-QP	2.9508	1.1899	-14.64	-3.87
98	97	Shell-Thick	SLU-STATICA	4.7733	1.5141	-33.21	-5.41
98	97	Shell-Thick	SLU-STATICA	5.2256	0.7845	-36.07	-5.41
98	97	Shell-Thick	SLU-STATICA	12.2285	1.9917	-36.07	-2.55
98	97	Shell-Thick	SLU-STATICA	11.6388	2.8559	-33.21	-2.55
98	97	Shell-Thick	SLU-SISMICA	11.7042	2.8398	-77.85	-4.17
98	97	Shell-Thick	SLU-SISMICA	12.0379	2.2714	-80.04	-4.17
98	97	Shell-Thick	SLU-SISMICA	27.8870	5.2323	-80.04	-1.97
98	97	Shell-Thick	SLU-SISMICA	27.4586	5.8932	-77.85	-1.97
98	97	Shell-Thick	SLE-RARA	3.5094	1.1308	-24.49	-4.16
98	97	Shell-Thick	SLE-RARA	3.8577	0.5698	-26.69	-4.16
98	97	Shell-Thick	SLE-RARA	9.0331	1.4573	-26.69	-1.96
98	97	Shell-Thick	SLE-RARA	8.5789	2.1221	-24.49	-1.96
98	97	Shell-Thick	SLE-FREQ.	3.2456	1.0758	-22.77	-4.16
98	97	Shell-Thick	SLE-FREQ.	3.5944	0.5150	-24.97	-4.16
98	97	Shell-Thick	SLE-FREQ.	8.4262	1.3358	-24.97	-1.96
98	97	Shell-Thick	SLE-FREQ.	7.9712	2.0007	-22.77	-1.96
98	97	Shell-Thick	SLE-QP	2.4543	0.9108	-17.62	-4.16
98	97	Shell-Thick	SLE-QP	2.8044	0.3507	-19.82	-4.16
98	97	Shell-Thick	SLE-QP	6.6056	0.9713	-19.82	-1.96
98	97	Shell-Thick	SLE-QP	6.1481	1.6366	-17.62	-1.96
99	98	Shell-Thick	SLU-STATICA	10.7771	2.3964	-38.79	-3.01
99	98	Shell-Thick	SLU-STATICA	11.9677	2.2267	-42.28	-3.01
99	98	Shell-Thick	SLU-STATICA	20.1662	3.7286	-42.28	0.48
99	98	Shell-Thick	SLU-STATICA	18.8048	4.0656	-38.79	0.48
99	98	Shell-Thick	SLU-SISMICA	26.6670	5.5198	-91.65	-2.32
99	98	Shell-Thick	SLU-SISMICA	27.5814	5.3862	-94.33	-2.32
99	98	Shell-Thick	SLU-SISMICA	46.2577	9.0189	-94.33	0.36
99	98	Shell-Thick	SLU-SISMICA	45.2171	9.2760	-91.65	0.36
99	98	Shell-Thick	SLE-RARA	7.9187	1.7691	-28.59	-2.32
99	98	Shell-Thick	SLE-RARA	8.8346	1.6386	-31.27	-2.32
99	98	Shell-Thick	SLE-RARA	14.8912	2.7438	-31.27	0.37
99	98	Shell-Thick	SLE-RARA	13.8438	3.0032	-28.59	0.37
99	98	Shell-Thick	SLE-FREQ.	7.3153	1.6483	-26.56	-2.32
99	98	Shell-Thick	SLE-FREQ.	8.2311	1.5180	-29.24	-2.32
99	98	Shell-Thick	SLE-FREQ.	13.8815	2.5419	-29.24	0.37
99	98	Shell-Thick	SLE-FREQ.	12.8340	2.8012	-26.56	0.37
99	98	Shell-Thick	SLE-QP	5.5048	1.2862	-20.47	-2.31
99	98	Shell-Thick	SLE-QP	6.4208	1.1561	-23.15	-2.31
99	98	Shell-Thick	SLE-QP	10.8526	1.9359	-23.15	0.37
99	98	Shell-Thick	SLE-QP	9.8044	2.1955	-20.47	0.37
100	99	Shell-Thick	SLU-STATICA	20.5138	4.4232	41.97	0.50
100	99	Shell-Thick	SLU-STATICA	21.9463	4.0688	45.63	0.50
100	99	Shell-Thick	SLU-STATICA	13.0884	2.4401	45.63	-3.16
100	99	Shell-Thick	SLU-STATICA	11.8371	2.6169	41.97	-3.16
100	99	Shell-Thick	SLU-SISMICA	46.5295	9.5514	94.09	0.38
100	99	Shell-Thick	SLU-SISMICA	47.6433	9.2832	96.90	0.38
100	99	Shell-Thick	SLU-SISMICA	28.4638	5.5709	96.90	-2.42

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

100	99	Shell-Thick	SLU-SISMICA	27.4810	5.7109	94.09	-2.42
100	99	Shell-Thick	SLE-RARA	15.1584	3.2782	31.04	0.39
100	99	Shell-Thick	SLE-RARA	16.2602	3.0055	33.85	0.39
100	99	Shell-Thick	SLE-RARA	9.6963	1.8023	33.85	-2.43
100	99	Shell-Thick	SLE-RARA	8.7341	1.9383	31.04	-2.43
100	99	Shell-Thick	SLE-FREQ.	14.1486	3.0763	29.01	0.39
100	99	Shell-Thick	SLE-FREQ.	15.2500	2.8034	31.82	0.39
100	99	Shell-Thick	SLE-FREQ.	9.0922	1.6810	31.82	-2.43
100	99	Shell-Thick	SLE-FREQ.	8.1307	1.8168	29.01	-2.43
100	99	Shell-Thick	SLE-QP	11.1193	2.4705	22.92	0.39
100	99	Shell-Thick	SLE-QP	12.2195	2.1972	25.73	0.39
100	99	Shell-Thick	SLE-QP	7.2799	1.3171	25.73	-2.43
100	99	Shell-Thick	SLE-QP	6.3204	1.4525	22.92	-2.43
101	100	Shell-Thick	SLU-STATICA	12.6147	3.0774	35.82	-2.67
101	100	Shell-Thick	SLU-STATICA	13.2456	2.1666	38.85	-2.67
101	100	Shell-Thick	SLU-STATICA	5.6974	0.8183	38.85	-5.70
101	100	Shell-Thick	SLU-STATICA	5.2161	1.5825	35.82	-5.70
101	100	Shell-Thick	SLU-SISMICA	28.1838	6.0811	79.85	-2.06
101	100	Shell-Thick	SLU-SISMICA	28.6680	5.3821	82.17	-2.06
101	100	Shell-Thick	SLU-SISMICA	12.3962	2.2460	82.17	-4.38
101	100	Shell-Thick	SLU-SISMICA	12.0238	2.8356	79.85	-4.38
101	100	Shell-Thick	SLE-RARA	9.3302	2.2922	26.50	-2.05
101	100	Shell-Thick	SLE-RARA	9.8155	1.5915	28.83	-2.05
101	100	Shell-Thick	SLE-RARA	4.2207	0.5968	28.83	-4.38
101	100	Shell-Thick	SLE-RARA	3.8505	1.1846	26.50	-4.38
101	100	Shell-Thick	SLE-FREQ.	8.7233	2.1702	24.78	-2.05
101	100	Shell-Thick	SLE-FREQ.	9.2087	1.4695	27.11	-2.05
101	100	Shell-Thick	SLE-FREQ.	3.9576	0.5437	27.11	-4.38
101	100	Shell-Thick	SLE-FREQ.	3.5874	1.1314	24.78	-4.38
101	100	Shell-Thick	SLE-QP	6.9027	1.8043	19.63	-2.05
101	100	Shell-Thick	SLE-QP	7.3882	1.1035	21.96	-2.05
101	100	Shell-Thick	SLE-QP	3.1681	0.3844	21.96	-4.38
101	100	Shell-Thick	SLE-QP	2.7982	0.9720	19.63	-4.38
102	101	Shell-Thick	SLU-STATICA	5.8239	1.9528	29.53	-5.30
102	101	Shell-Thick	SLU-STATICA	5.8078	0.5916	31.96	-5.30
102	101	Shell-Thick	SLU-STATICA	-0.4051	-0.4693	31.96	-7.73
102	101	Shell-Thick	SLU-STATICA	-0.2716	0.7770	29.53	-7.73
102	101	Shell-Thick	SLU-SISMICA	12.5697	3.1317	65.50	-4.08
102	101	Shell-Thick	SLU-SISMICA	12.5435	2.0886	67.36	-4.08
102	101	Shell-Thick	SLU-SISMICA	-0.7944	-0.3964	67.36	-5.94
102	101	Shell-Thick	SLU-SISMICA	-0.6858	0.5662	65.50	-5.94
102	101	Shell-Thick	SLE-RARA	4.3164	1.4692	21.85	-4.08
102	101	Shell-Thick	SLE-RARA	4.3044	0.4220	23.72	-4.08
102	101	Shell-Thick	SLE-RARA	-0.3019	-0.3603	23.72	-5.94
102	101	Shell-Thick	SLE-RARA	-0.1993	0.5983	21.85	-5.94
102	101	Shell-Thick	SLE-FREQ.	4.0507	1.4157	20.45	-4.08
102	101	Shell-Thick	SLE-FREQ.	4.0392	0.3684	22.31	-4.08
102	101	Shell-Thick	SLE-FREQ.	-0.2860	-0.3591	22.31	-5.94
102	101	Shell-Thick	SLE-FREQ.	-0.1836	0.5993	20.45	-5.94
102	101	Shell-Thick	SLE-QP	3.2538	1.2552	16.23	-4.08
102	101	Shell-Thick	SLE-QP	3.2435	0.2075	18.10	-4.08
102	101	Shell-Thick	SLE-QP	-0.2384	-0.3556	18.10	-5.94
102	101	Shell-Thick	SLE-QP	-0.1367	0.6024	16.23	-5.94
103	102	Shell-Thick	SLU-STATICA	0.1825	1.0635	23.12	-7.41
103	102	Shell-Thick	SLU-STATICA	-0.3313	-0.6503	24.97	-7.41
103	102	Shell-Thick	SLU-STATICA	-5.1894	-1.4653	24.97	-9.27
103	102	Shell-Thick	SLU-STATICA	-4.5851	0.1599	23.12	-9.27
103	102	Shell-Thick	SLU-SISMICA	-0.2923	0.7934	51.06	-5.70
103	102	Shell-Thick	SLU-SISMICA	-0.6863	-0.5231	52.48	-5.70
103	102	Shell-Thick	SLU-SISMICA	-11.0828	-2.4757	52.48	-7.12
103	102	Shell-Thick	SLU-SISMICA	-10.6214	-1.2253	51.06	-7.12
103	102	Shell-Thick	SLE-RARA	0.1491	0.8186	17.11	-5.70
103	102	Shell-Thick	SLE-RARA	-0.2461	-0.4998	18.54	-5.70
103	102	Shell-Thick	SLE-RARA	-3.8485	-1.0999	18.54	-7.13
103	102	Shell-Thick	SLE-RARA	-3.3836	0.1502	17.11	-7.13
103	102	Shell-Thick	SLE-FREQ.	0.1633	0.8194	16.02	-5.70
103	102	Shell-Thick	SLE-FREQ.	-0.2320	-0.4990	17.44	-5.70
103	102	Shell-Thick	SLE-FREQ.	-3.6157	-1.0556	17.44	-7.13
103	102	Shell-Thick	SLE-FREQ.	-3.1506	0.1945	16.02	-7.13

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

103	102	Shell-Thick	SLE-QP	0.2060	0.8219	12.74	-5.70
103	102	Shell-Thick	SLE-QP	-0.1895	-0.4968	14.17	-5.70
103	102	Shell-Thick	SLE-QP	-2.9171	-0.9228	14.17	-7.13
103	102	Shell-Thick	SLE-QP	-2.4517	0.3273	12.74	-7.13
104	103	Shell-Thick	SLU-STATICA	-4.2590	0.3691	16.59	-9.04
104	103	Shell-Thick	SLU-STATICA	-5.1463	-1.6008	17.90	-9.04
104	103	Shell-Thick	SLU-STATICA	-8.6293	-2.1631	17.90	-10.34
104	103	Shell-Thick	SLU-STATICA	-7.6797	-0.2541	16.59	-10.34
104	103	Shell-Thick	SLU-SISMICA	-10.3276	-1.0592	36.53	-6.95
104	103	Shell-Thick	SLU-SISMICA	-11.0208	-2.5707	37.53	-6.95
104	103	Shell-Thick	SLU-SISMICA	-18.4539	-3.9214	37.53	-7.95
104	103	Shell-Thick	SLU-SISMICA	-17.7187	-2.4510	36.53	-7.95
104	103	Shell-Thick	SLE-RARA	-3.1336	0.3111	12.28	-6.95
104	103	Shell-Thick	SLE-RARA	-3.8160	-1.2043	13.29	-6.95
104	103	Shell-Thick	SLE-RARA	-6.3991	-1.6183	13.29	-7.95
104	103	Shell-Thick	SLE-RARA	-5.6688	-0.1499	12.28	-7.95
104	103	Shell-Thick	SLE-FREQ.	-2.9021	0.3552	11.50	-6.95
104	103	Shell-Thick	SLE-FREQ.	-3.5841	-1.1603	12.51	-6.95
104	103	Shell-Thick	SLE-FREQ.	-6.0111	-1.5442	12.51	-7.96
104	103	Shell-Thick	SLE-FREQ.	-5.2809	-0.0758	11.50	-7.96
104	103	Shell-Thick	SLE-QP	-2.2074	0.4875	9.16	-6.95
104	103	Shell-Thick	SLE-QP	-2.8884	-1.0284	10.17	-6.95
104	103	Shell-Thick	SLE-QP	-4.8471	-1.3218	10.17	-7.96
104	103	Shell-Thick	SLE-QP	-4.1173	0.1464	9.16	-7.96
105	104	Shell-Thick	SLU-STATICA	-7.4744	-0.1177	9.99	-10.19
105	104	Shell-Thick	SLU-STATICA	-8.6038	-2.2534	10.76	-10.19
105	104	Shell-Thick	SLU-STATICA	-10.6999	-2.5924	10.76	-10.96
105	104	Shell-Thick	SLU-STATICA	-9.5326	-0.4939	9.99	-10.96
105	104	Shell-Thick	SLU-SISMICA	-17.5428	-2.3434	21.95	-7.83
105	104	Shell-Thick	SLU-SISMICA	-18.4087	-3.9848	22.54	-7.83
105	104	Shell-Thick	SLU-SISMICA	-22.8758	-4.8163	22.54	-8.42
105	104	Shell-Thick	SLU-SISMICA	-21.9806	-3.2036	21.95	-8.42
105	104	Shell-Thick	SLE-RARA	-5.5112	-0.0450	7.40	-7.84
105	104	Shell-Thick	SLE-RARA	-6.3800	-1.6879	7.99	-7.84
105	104	Shell-Thick	SLE-RARA	-7.9347	-1.9372	7.99	-8.43
105	104	Shell-Thick	SLE-RARA	-7.0367	-0.3229	7.40	-8.43
105	104	Shell-Thick	SLE-FREQ.	-5.1239	0.0290	6.93	-7.84
105	104	Shell-Thick	SLE-FREQ.	-5.9928	-1.6139	7.52	-7.84
105	104	Shell-Thick	SLE-FREQ.	-7.4538	-1.8445	7.52	-8.43
105	104	Shell-Thick	SLE-FREQ.	-6.5557	-0.2302	6.93	-8.43
105	104	Shell-Thick	SLE-QP	-3.9621	0.2509	5.52	-7.84
105	104	Shell-Thick	SLE-QP	-4.8313	-1.3921	6.12	-7.84
105	104	Shell-Thick	SLE-QP	-6.0110	-1.5665	6.12	-8.44
105	104	Shell-Thick	SLE-QP	-5.1127	0.0480	5.52	-8.44
106	105	Shell-Thick	SLU-STATICA	-9.4307	-0.4265	3.34	-10.89
106	105	Shell-Thick	SLU-STATICA	-10.6899	-2.6375	3.59	-10.89
106	105	Shell-Thick	SLU-STATICA	-11.3890	-2.7452	3.59	-11.15
106	105	Shell-Thick	SLU-STATICA	-10.1181	-0.5456	3.34	-11.15
106	105	Shell-Thick	SLU-SISMICA	-21.8863	-3.1500	7.32	-8.37
106	105	Shell-Thick	SLU-SISMICA	-22.8595	-4.8478	7.51	-8.37
106	105	Shell-Thick	SLU-SISMICA	-24.3469	-5.1067	7.51	-8.56
106	105	Shell-Thick	SLU-SISMICA	-23.3677	-3.4148	7.32	-8.56
106	105	Shell-Thick	SLE-RARA	-6.9587	-0.2710	2.47	-8.38
106	105	Shell-Thick	SLE-RARA	-7.9272	-1.9719	2.67	-8.38
106	105	Shell-Thick	SLE-RARA	-8.4458	-2.0512	2.67	-8.57
106	105	Shell-Thick	SLE-RARA	-7.4682	-0.3591	2.47	-8.57
106	105	Shell-Thick	SLE-FREQ.	-6.4782	-0.1784	2.31	-8.38
106	105	Shell-Thick	SLE-FREQ.	-7.4466	-1.8793	2.51	-8.38
106	105	Shell-Thick	SLE-FREQ.	-7.9340	-1.9528	2.51	-8.57
106	105	Shell-Thick	SLE-FREQ.	-6.9565	-0.2608	2.31	-8.57
106	105	Shell-Thick	SLE-QP	-5.0367	0.0996	1.85	-8.38
106	105	Shell-Thick	SLE-QP	-6.0047	-1.6016	2.04	-8.38
106	105	Shell-Thick	SLE-QP	-6.3985	-1.6578	2.04	-8.58
106	105	Shell-Thick	SLE-QP	-5.4211	0.0343	1.85	-8.58
107	106	Shell-Thick	SLU-STATICA	-10.1181	-0.5456	-3.34	-11.15
107	106	Shell-Thick	SLU-STATICA	-11.3890	-2.7452	-3.59	-11.15
107	106	Shell-Thick	SLU-STATICA	-10.6899	-2.6375	-3.59	-10.89
107	106	Shell-Thick	SLU-STATICA	-9.4307	-0.4265	-3.34	-10.89
107	106	Shell-Thick	SLU-SISMICA	-23.3677	-3.4148	-7.32	-8.56



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

107	106	Shell-Thick	SLU-SISMICA	-24.3469	-5.1067	-7.51	-8.56
107	106	Shell-Thick	SLU-SISMICA	-22.8595	-4.8478	-7.51	-8.37
107	106	Shell-Thick	SLU-SISMICA	-21.8863	-3.1500	-7.32	-8.37
107	106	Shell-Thick	SLE-RARA	-7.4682	-0.3591	-2.47	-8.57
107	106	Shell-Thick	SLE-RARA	-8.4458	-2.0512	-2.67	-8.57
107	106	Shell-Thick	SLE-RARA	-7.9272	-1.9719	-2.67	-8.38
107	106	Shell-Thick	SLE-RARA	-6.9587	-0.2710	-2.47	-8.38
107	106	Shell-Thick	SLE-FREQ.	-6.9565	-0.2608	-2.31	-8.57
107	106	Shell-Thick	SLE-FREQ.	-7.9340	-1.9528	-2.51	-8.57
107	106	Shell-Thick	SLE-FREQ.	-7.4466	-1.8793	-2.51	-8.38
107	106	Shell-Thick	SLE-FREQ.	-6.4782	-0.1784	-2.31	-8.38
107	106	Shell-Thick	SLE-QP	-5.4211	0.0343	-1.85	-8.58
107	106	Shell-Thick	SLE-QP	-6.3985	-1.6578	-2.04	-8.58
107	106	Shell-Thick	SLE-QP	-6.0047	-1.6016	-2.04	-8.38
107	106	Shell-Thick	SLE-QP	-5.0367	0.0996	-1.85	-8.38
108	107	Shell-Thick	SLU-STATICA	-9.5326	-0.4939	-9.99	-10.96
108	107	Shell-Thick	SLU-STATICA	-10.6999	-2.5924	-10.76	-10.96
108	107	Shell-Thick	SLU-STATICA	-8.6038	-2.2534	-10.76	-10.19
108	107	Shell-Thick	SLU-STATICA	-7.4744	-0.1177	-9.99	-10.19
108	107	Shell-Thick	SLU-SISMICA	-21.9806	-3.2036	-21.95	-8.42
108	107	Shell-Thick	SLU-SISMICA	-22.8758	-4.8163	-22.54	-8.42
108	107	Shell-Thick	SLU-SISMICA	-18.4087	-3.9848	-22.54	-7.83
108	107	Shell-Thick	SLU-SISMICA	-17.5428	-2.3434	-21.95	-7.83
108	107	Shell-Thick	SLE-RARA	-7.0367	-0.3229	-7.40	-8.43
108	107	Shell-Thick	SLE-RARA	-7.9347	-1.9372	-7.99	-8.43
108	107	Shell-Thick	SLE-RARA	-6.3800	-1.6879	-7.99	-7.84
108	107	Shell-Thick	SLE-RARA	-5.5112	-0.0450	-7.40	-7.84
108	107	Shell-Thick	SLE-FREQ.	-6.5557	-0.2302	-6.93	-8.43
108	107	Shell-Thick	SLE-FREQ.	-7.4538	-1.8445	-7.52	-8.43
108	107	Shell-Thick	SLE-FREQ.	-5.9928	-1.6139	-7.52	-7.84
108	107	Shell-Thick	SLE-FREQ.	-5.1239	0.0290	-6.93	-7.84
108	107	Shell-Thick	SLE-QP	-5.1127	0.0480	-5.52	-8.44
108	107	Shell-Thick	SLE-QP	-6.0110	-1.5665	-6.12	-8.44
108	107	Shell-Thick	SLE-QP	-4.8313	-1.3921	-6.12	-7.84
108	107	Shell-Thick	SLE-QP	-3.9621	0.2509	-5.52	-7.84
109	108	Shell-Thick	SLU-STATICA	-7.6797	-0.2541	-16.59	-10.34
109	108	Shell-Thick	SLU-STATICA	-8.6293	-2.1631	-17.90	-10.34
109	108	Shell-Thick	SLU-STATICA	-5.1463	-1.6008	-17.90	-9.04
109	108	Shell-Thick	SLU-STATICA	-4.2590	0.3691	-16.59	-9.04
109	108	Shell-Thick	SLU-SISMICA	-17.7187	-2.4510	-36.53	-7.95
109	108	Shell-Thick	SLU-SISMICA	-18.4539	-3.9214	-37.53	-7.95
109	108	Shell-Thick	SLU-SISMICA	-11.0208	-2.5707	-37.53	-6.95
109	108	Shell-Thick	SLU-SISMICA	-10.3276	-1.0592	-36.53	-6.95
109	108	Shell-Thick	SLE-RARA	-5.6688	-0.1499	-12.28	-7.95
109	108	Shell-Thick	SLE-RARA	-6.3991	-1.6183	-13.29	-7.95
109	108	Shell-Thick	SLE-RARA	-3.8160	-1.2043	-13.29	-6.95
109	108	Shell-Thick	SLE-RARA	-3.1336	0.3111	-12.28	-6.95
109	108	Shell-Thick	SLE-FREQ.	-5.2809	-0.0758	-11.50	-7.96
109	108	Shell-Thick	SLE-FREQ.	-6.0111	-1.5442	-12.51	-7.96
109	108	Shell-Thick	SLE-FREQ.	-3.5841	-1.1603	-12.51	-6.95
109	108	Shell-Thick	SLE-FREQ.	-2.9021	0.3552	-11.50	-6.95
109	108	Shell-Thick	SLE-QP	-4.1173	0.1464	-9.16	-7.96
109	108	Shell-Thick	SLE-QP	-4.8471	-1.3218	-10.17	-7.96
109	108	Shell-Thick	SLE-QP	-2.8884	-1.0284	-10.17	-6.95
109	108	Shell-Thick	SLE-QP	-2.2074	0.4875	-9.16	-6.95
110	109	Shell-Thick	SLU-STATICA	-4.5851	0.1599	-23.12	-9.27
110	109	Shell-Thick	SLU-STATICA	-5.1894	-1.4653	-24.97	-9.27
110	109	Shell-Thick	SLU-STATICA	-0.3313	-0.6503	-24.97	-7.41
110	109	Shell-Thick	SLU-STATICA	0.1825	1.0635	-23.12	-7.41
110	109	Shell-Thick	SLU-SISMICA	-10.6214	-1.2253	-51.06	-7.12
110	109	Shell-Thick	SLU-SISMICA	-11.0828	-2.4757	-52.48	-7.12
110	109	Shell-Thick	SLU-SISMICA	-0.6863	-0.5231	-52.48	-5.70
110	109	Shell-Thick	SLU-SISMICA	-0.2923	0.7934	-51.06	-5.70
110	109	Shell-Thick	SLE-RARA	-3.3836	0.1502	-17.11	-7.13
110	109	Shell-Thick	SLE-RARA	-3.8485	-1.0999	-18.54	-7.13
110	109	Shell-Thick	SLE-RARA	-0.2461	-0.4998	-18.54	-5.70
110	109	Shell-Thick	SLE-RARA	0.1491	0.8186	-17.11	-5.70
110	109	Shell-Thick	SLE-FREQ.	-3.1506	0.1945	-16.02	-7.13
110	109	Shell-Thick	SLE-FREQ.	-3.6157	-1.0556	-17.44	-7.13



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110	109	Shell-Thick	SLE-FREQ.	-0.2320	-0.4990	-17.44	-5.70
110	109	Shell-Thick	SLE-FREQ.	0.1633	0.8194	-16.02	-5.70
110	109	Shell-Thick	SLE-QP	-2.4517	0.3273	-12.74	-7.13
110	109	Shell-Thick	SLE-QP	-2.9171	-0.9228	-14.17	-7.13
110	109	Shell-Thick	SLE-QP	-0.1895	-0.4968	-14.17	-5.70
110	109	Shell-Thick	SLE-QP	0.2060	0.8219	-12.74	-5.70
111	110	Shell-Thick	SLU-STATICA	-0.2716	0.7770	-29.53	-7.73
111	110	Shell-Thick	SLU-STATICA	-0.4051	-0.4693	-31.96	-7.73
111	110	Shell-Thick	SLU-STATICA	5.8078	0.5916	-31.96	-5.30
111	110	Shell-Thick	SLU-STATICA	5.8239	1.9528	-29.53	-5.30
111	110	Shell-Thick	SLU-SISMICA	-0.6858	0.5662	-65.50	-5.94
111	110	Shell-Thick	SLU-SISMICA	-0.7944	-0.3964	-67.36	-5.94
111	110	Shell-Thick	SLU-SISMICA	12.5435	2.0886	-67.36	-4.08
111	110	Shell-Thick	SLU-SISMICA	12.5697	3.1317	-65.50	-4.08
111	110	Shell-Thick	SLE-RARA	-0.1993	0.5983	-21.85	-5.94
111	110	Shell-Thick	SLE-RARA	-0.3019	-0.3603	-23.72	-5.94
111	110	Shell-Thick	SLE-RARA	4.3044	0.4220	-23.72	-4.08
111	110	Shell-Thick	SLE-RARA	4.3164	1.4692	-21.85	-4.08
111	110	Shell-Thick	SLE-FREQ.	-0.1836	0.5993	-20.45	-5.94
111	110	Shell-Thick	SLE-FREQ.	-0.2860	-0.3591	-22.31	-5.94
111	110	Shell-Thick	SLE-FREQ.	4.0392	0.3684	-22.31	-4.08
111	110	Shell-Thick	SLE-FREQ.	4.0507	1.4157	-20.45	-4.08
111	110	Shell-Thick	SLE-QP	-0.1367	0.6024	-16.23	-5.94
111	110	Shell-Thick	SLE-QP	-0.2384	-0.3556	-18.10	-5.94
111	110	Shell-Thick	SLE-QP	3.2435	0.2075	-18.10	-4.08
111	110	Shell-Thick	SLE-QP	3.2538	1.2552	-16.23	-4.08
112	111	Shell-Thick	SLU-STATICA	5.2161	1.5825	-35.82	-5.70
112	111	Shell-Thick	SLU-STATICA	5.6974	0.8183	-38.85	-5.70
112	111	Shell-Thick	SLU-STATICA	13.2456	2.1666	-38.85	-2.67
112	111	Shell-Thick	SLU-STATICA	12.6147	3.0774	-35.82	-2.67
112	111	Shell-Thick	SLU-SISMICA	12.0238	2.8356	-79.85	-4.38
112	111	Shell-Thick	SLU-SISMICA	12.3962	2.2460	-82.17	-4.38
112	111	Shell-Thick	SLU-SISMICA	28.6680	5.3821	-82.17	-2.06
112	111	Shell-Thick	SLU-SISMICA	28.1838	6.0811	-79.85	-2.06
112	111	Shell-Thick	SLE-RARA	3.8505	1.1846	-26.50	-4.38
112	111	Shell-Thick	SLE-RARA	4.2207	0.5968	-28.83	-4.38
112	111	Shell-Thick	SLE-RARA	9.8155	1.5915	-28.83	-2.05
112	111	Shell-Thick	SLE-RARA	9.3302	2.2922	-26.50	-2.05
112	111	Shell-Thick	SLE-FREQ.	3.5874	1.1314	-24.78	-4.38
112	111	Shell-Thick	SLE-FREQ.	3.9576	0.5437	-27.11	-4.38
112	111	Shell-Thick	SLE-FREQ.	9.2087	1.4695	-27.11	-2.05
112	111	Shell-Thick	SLE-FREQ.	8.7233	2.1702	-24.78	-2.05
112	111	Shell-Thick	SLE-QP	2.7982	0.9720	-19.63	-4.38
112	111	Shell-Thick	SLE-QP	3.1681	0.3844	-21.96	-4.38
112	111	Shell-Thick	SLE-QP	7.3882	1.1035	-21.96	-2.05
112	111	Shell-Thick	SLE-QP	6.9027	1.8043	-19.63	-2.05
113	112	Shell-Thick	SLU-STATICA	11.8371	2.6169	-41.97	-3.16
113	112	Shell-Thick	SLU-STATICA	13.0884	2.4401	-45.63	-3.16
113	112	Shell-Thick	SLU-STATICA	21.9463	4.0688	-45.63	0.50
113	112	Shell-Thick	SLU-STATICA	20.5138	4.4232	-41.97	0.50
113	112	Shell-Thick	SLU-SISMICA	27.4810	5.7109	-94.09	-2.42
113	112	Shell-Thick	SLU-SISMICA	28.4638	5.5709	-96.90	-2.42
113	112	Shell-Thick	SLU-SISMICA	47.6433	9.2832	-96.90	0.38
113	112	Shell-Thick	SLU-SISMICA	46.5295	9.5514	-94.09	0.38
113	112	Shell-Thick	SLE-RARA	8.7341	1.9383	-31.04	-2.43
113	112	Shell-Thick	SLE-RARA	9.6963	1.8023	-33.85	-2.43
113	112	Shell-Thick	SLE-RARA	16.2602	3.0055	-33.85	0.39
113	112	Shell-Thick	SLE-RARA	15.1584	3.2782	-31.04	0.39
113	112	Shell-Thick	SLE-FREQ.	8.1307	1.8168	-29.01	-2.43
113	112	Shell-Thick	SLE-FREQ.	9.0922	1.6810	-31.82	-2.43
113	112	Shell-Thick	SLE-FREQ.	15.2500	2.8034	-31.82	0.39
113	112	Shell-Thick	SLE-FREQ.	14.1486	3.0763	-29.01	0.39
113	112	Shell-Thick	SLE-QP	6.3204	1.4525	-22.92	-2.43
113	112	Shell-Thick	SLE-QP	7.2799	1.3171	-25.73	-2.43
113	112	Shell-Thick	SLE-QP	12.2195	2.1972	-25.73	0.39
113	112	Shell-Thick	SLE-QP	11.1193	2.4705	-22.92	0.39
114	113	Shell-Thick	SLU-STATICA	22.3053	4.7939	45.32	0.52
114	113	Shell-Thick	SLU-STATICA	23.7938	4.4260	49.09	0.52
114	113	Shell-Thick	SLU-STATICA	14.2485	2.6514	49.09	-3.25

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114	113	Shell-Thick	SLU-STATICA	12.9526	2.8304	45.32	-3.25
114	113	Shell-Thick	SLU-SISMICA	47.9194	9.8413	96.65	0.40
114	113	Shell-Thick	SLU-SISMICA	49.0890	9.5604	99.55	0.40
114	113	Shell-Thick	SLU-SISMICA	29.3788	5.7142	99.55	-2.49
114	113	Shell-Thick	SLU-SISMICA	28.3555	5.8517	96.65	-2.49
114	113	Shell-Thick	SLE-RARA	16.5363	3.5632	33.61	0.40
114	113	Shell-Thick	SLE-RARA	17.6808	3.2802	36.52	0.40
114	113	Shell-Thick	SLE-RARA	10.5881	1.9653	36.52	-2.50
114	113	Shell-Thick	SLE-RARA	9.5918	2.1030	33.61	-2.50
114	113	Shell-Thick	SLE-FREQ.	15.5261	3.3611	31.58	0.40
114	113	Shell-Thick	SLE-FREQ.	16.6698	3.0780	34.49	0.40
114	113	Shell-Thick	SLE-FREQ.	9.9833	1.8446	34.49	-2.50
114	113	Shell-Thick	SLE-FREQ.	8.9879	1.9823	31.58	-2.50
114	113	Shell-Thick	SLE-QP	12.4956	2.7549	25.49	0.40
114	113	Shell-Thick	SLE-QP	13.6369	2.4716	28.40	0.40
114	113	Shell-Thick	SLE-QP	8.1688	1.4826	28.40	-2.51
114	113	Shell-Thick	SLE-QP	7.1760	1.6204	25.49	-2.51
115	114	Shell-Thick	SLU-STATICA	13.6502	3.2890	38.58	-2.75
115	114	Shell-Thick	SLU-STATICA	14.3124	2.3452	41.75	-2.75
115	114	Shell-Thick	SLU-STATICA	6.1934	0.8812	41.75	-5.92
115	114	Shell-Thick	SLU-STATICA	5.6880	1.6714	38.58	-5.92
115	114	Shell-Thick	SLU-SISMICA	28.9780	6.2171	81.96	-2.11
115	114	Shell-Thick	SLU-SISMICA	29.4905	5.4956	84.39	-2.11
115	114	Shell-Thick	SLU-SISMICA	12.7844	2.3001	84.39	-4.54
115	114	Shell-Thick	SLU-SISMICA	12.3859	2.9100	81.96	-4.54
115	114	Shell-Thick	SLE-RARA	10.1267	2.4555	28.62	-2.11
115	114	Shell-Thick	SLE-RARA	10.6360	1.7294	31.06	-2.11
115	114	Shell-Thick	SLE-RARA	4.6021	0.6450	31.06	-4.55
115	114	Shell-Thick	SLE-RARA	4.2135	1.2528	28.62	-4.55
115	114	Shell-Thick	SLE-FREQ.	9.5199	2.3344	26.91	-2.11
115	114	Shell-Thick	SLE-FREQ.	10.0292	1.6082	29.35	-2.11
115	114	Shell-Thick	SLE-FREQ.	4.3387	0.5918	29.35	-4.55
115	114	Shell-Thick	SLE-FREQ.	3.9504	1.1995	26.91	-4.55
115	114	Shell-Thick	SLE-QP	7.6995	1.9711	21.76	-2.11
115	114	Shell-Thick	SLE-QP	8.2085	1.2445	24.20	-2.11
115	114	Shell-Thick	SLE-QP	3.5486	0.4319	24.20	-4.55
115	114	Shell-Thick	SLE-QP	3.1613	1.0395	21.76	-4.55
116	115	Shell-Thick	SLU-STATICA	6.2408	2.0442	31.75	-5.50
116	115	Shell-Thick	SLU-STATICA	6.2336	0.6270	34.30	-5.50
116	115	Shell-Thick	SLU-STATICA	-0.4395	-0.5563	34.30	-8.04
116	115	Shell-Thick	SLU-STATICA	-0.3062	0.7374	31.75	-8.04
116	115	Shell-Thick	SLU-SISMICA	12.8738	3.2059	67.20	-4.23
116	115	Shell-Thick	SLU-SISMICA	12.8680	2.1186	69.15	-4.23
116	115	Shell-Thick	SLU-SISMICA	-0.8260	-0.5097	69.15	-6.17
116	115	Shell-Thick	SLU-SISMICA	-0.7251	0.4846	67.20	-6.17
116	115	Shell-Thick	SLE-RARA	4.6375	1.5394	23.56	-4.23
116	115	Shell-Thick	SLE-RARA	4.6319	0.4492	25.52	-4.23
116	115	Shell-Thick	SLE-RARA	-0.3282	-0.4263	25.52	-6.19
116	115	Shell-Thick	SLE-RARA	-0.2257	0.5689	23.56	-6.19
116	115	Shell-Thick	SLE-FREQ.	4.3724	1.4858	22.15	-4.23
116	115	Shell-Thick	SLE-FREQ.	4.3668	0.3955	24.11	-4.23
116	115	Shell-Thick	SLE-FREQ.	-0.3122	-0.4236	24.11	-6.19
116	115	Shell-Thick	SLE-FREQ.	-0.2096	0.5716	22.15	-6.19
116	115	Shell-Thick	SLE-QP	3.5770	1.3249	17.94	-4.23
116	115	Shell-Thick	SLE-QP	3.5715	0.2343	19.90	-4.23
116	115	Shell-Thick	SLE-QP	-0.2642	-0.4155	19.90	-6.19
116	115	Shell-Thick	SLE-QP	-0.1614	0.5797	17.94	-6.19
117	116	Shell-Thick	SLU-STATICA	0.1148	1.0278	24.81	-7.72
117	116	Shell-Thick	SLU-STATICA	-0.4197	-0.7585	26.76	-7.72
117	116	Shell-Thick	SLU-STATICA	-5.6282	-1.6540	26.76	-9.67
117	116	Shell-Thick	SLU-STATICA	-4.9989	0.0396	24.81	-9.67
117	116	Shell-Thick	SLU-SISMICA	-0.3504	0.7146	52.35	-5.93
117	116	Shell-Thick	SLU-SISMICA	-0.7731	-0.6542	53.84	-5.93
117	116	Shell-Thick	SLU-SISMICA	-11.4347	-2.6473	53.84	-7.42
117	116	Shell-Thick	SLU-SISMICA	-10.9449	-1.3442	52.35	-7.42
117	116	Shell-Thick	SLE-RARA	0.0972	0.7922	18.41	-5.94
117	116	Shell-Thick	SLE-RARA	-0.3137	-0.5821	19.91	-5.94
117	116	Shell-Thick	SLE-RARA	-4.1858	-1.2445	19.91	-7.44
117	116	Shell-Thick	SLE-RARA	-3.7019	0.0582	18.41	-7.44

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117	116	Shell-Thick	SLE-FREQ.	0.1116	0.7947	17.32	-5.94
117	116	Shell-Thick	SLE-FREQ.	-0.2990	-0.5797	18.82	-5.94
117	116	Shell-Thick	SLE-FREQ.	-3.9525	-1.1993	18.82	-7.44
117	116	Shell-Thick	SLE-FREQ.	-3.4687	0.1034	17.32	-7.44
117	116	Shell-Thick	SLE-QP	0.1548	0.8021	14.04	-5.94
117	116	Shell-Thick	SLE-QP	-0.2546	-0.5728	15.54	-5.94
117	116	Shell-Thick	SLE-QP	-3.2525	-1.0639	15.54	-7.44
117	116	Shell-Thick	SLE-QP	-2.7693	0.2388	14.04	-7.44
118	117	Shell-Thick	SLU-STATICA	-4.6993	0.2525	17.78	-9.43
118	117	Shell-Thick	SLU-STATICA	-5.6200	-1.8053	19.16	-9.43
118	117	Shell-Thick	SLU-STATICA	-9.3518	-2.4429	19.16	-10.80
118	117	Shell-Thick	SLU-STATICA	-8.3634	-0.4515	17.78	-10.80
118	117	Shell-Thick	SLU-SISMICA	-10.6854	-1.1765	37.44	-7.24
118	117	Shell-Thick	SLU-SISMICA	-11.3975	-2.7557	38.50	-7.24
118	117	Shell-Thick	SLU-SISMICA	-19.0239	-4.2000	38.50	-8.29
118	117	Shell-Thick	SLU-SISMICA	-18.2604	-2.6711	37.44	-8.29
118	117	Shell-Thick	SLE-RARA	-3.4720	0.2219	13.20	-7.25
118	117	Shell-Thick	SLE-RARA	-4.1801	-1.3611	14.26	-7.25
118	117	Shell-Thick	SLE-RARA	-6.9546	-1.8323	14.26	-8.31
118	117	Shell-Thick	SLE-RARA	-6.1944	-0.3003	13.20	-8.31
118	117	Shell-Thick	SLE-FREQ.	-3.2398	0.2669	12.42	-7.25
118	117	Shell-Thick	SLE-FREQ.	-3.9478	-1.3162	13.48	-7.25
118	117	Shell-Thick	SLE-FREQ.	-6.5661	-1.7561	13.48	-8.31
118	117	Shell-Thick	SLE-FREQ.	-5.8060	-0.2240	12.42	-8.31
118	117	Shell-Thick	SLE-QP	-2.5432	0.4020	10.08	-7.25
118	117	Shell-Thick	SLE-QP	-3.2509	-1.1815	11.14	-7.25
118	117	Shell-Thick	SLE-QP	-5.4007	-1.5274	11.14	-8.31
118	117	Shell-Thick	SLE-QP	-4.6408	0.0049	10.08	-8.31
119	118	Shell-Thick	SLU-STATICA	-8.1689	-0.3118	10.70	-10.64
119	118	Shell-Thick	SLU-STATICA	-9.3515	-2.5436	11.52	-10.64
119	118	Shell-Thick	SLU-STATICA	-11.5942	-2.9162	11.52	-11.46
119	118	Shell-Thick	SLU-STATICA	-10.3725	-0.7227	10.70	-11.46
119	118	Shell-Thick	SLU-SISMICA	-18.0857	-2.5608	22.48	-8.17
119	118	Shell-Thick	SLU-SISMICA	-19.0071	-4.2720	23.11	-8.17
119	118	Shell-Thick	SLU-SISMICA	-23.5835	-5.1107	23.11	-8.80
119	118	Shell-Thick	SLU-SISMICA	-22.6357	-3.4251	22.48	-8.80
119	118	Shell-Thick	SLE-RARA	-6.0453	-0.1930	7.94	-8.19
119	118	Shell-Thick	SLE-RARA	-6.9547	-1.9098	8.57	-8.19
119	118	Shell-Thick	SLE-RARA	-8.6223	-2.1853	8.57	-8.82
119	118	Shell-Thick	SLE-RARA	-7.6827	-0.4979	7.94	-8.82
119	118	Shell-Thick	SLE-FREQ.	-5.6577	-0.1168	7.47	-8.19
119	118	Shell-Thick	SLE-FREQ.	-6.5667	-1.8338	8.10	-8.19
119	118	Shell-Thick	SLE-FREQ.	-8.1407	-2.0911	8.10	-8.82
119	118	Shell-Thick	SLE-FREQ.	-7.2013	-0.4037	7.47	-8.82
119	118	Shell-Thick	SLE-QP	-4.4950	0.1119	6.07	-8.19
119	118	Shell-Thick	SLE-QP	-5.4029	-1.6057	6.70	-8.19
119	118	Shell-Thick	SLE-QP	-6.6960	-1.8086	6.70	-8.82
119	118	Shell-Thick	SLE-QP	-5.7574	-0.1211	6.07	-8.82
120	119	Shell-Thick	SLU-STATICA	-10.2786	-0.6537	3.57	-11.38
120	119	Shell-Thick	SLU-STATICA	-11.5947	-2.9665	3.84	-11.38
120	119	Shell-Thick	SLU-STATICA	-12.3435	-3.0947	3.84	-11.66
120	119	Shell-Thick	SLU-STATICA	-11.0136	-0.7954	3.57	-11.66
120	119	Shell-Thick	SLU-SISMICA	-22.5547	-3.3709	7.50	-8.74
120	119	Shell-Thick	SLU-SISMICA	-23.5736	-5.1467	7.71	-8.74
120	119	Shell-Thick	SLU-SISMICA	-25.1017	-5.4440	7.71	-8.95
120	119	Shell-Thick	SLU-SISMICA	-24.0709	-3.6800	7.50	-8.95
120	119	Shell-Thick	SLE-RARA	-7.6106	-0.4449	2.65	-8.76
120	119	Shell-Thick	SLE-RARA	-8.6228	-2.2240	2.86	-8.76
120	119	Shell-Thick	SLE-RARA	-9.1796	-2.3186	2.86	-8.97
120	119	Shell-Thick	SLE-RARA	-8.1568	-0.5498	2.65	-8.97
120	119	Shell-Thick	SLE-FREQ.	-7.1296	-0.3507	2.49	-8.76
120	119	Shell-Thick	SLE-FREQ.	-8.1416	-2.1300	2.70	-8.76
120	119	Shell-Thick	SLE-FREQ.	-8.6671	-2.2180	2.70	-8.97
120	119	Shell-Thick	SLE-FREQ.	-7.6446	-0.4491	2.49	-8.97
120	119	Shell-Thick	SLE-QP	-5.6865	-0.0681	2.03	-8.76
120	119	Shell-Thick	SLE-QP	-6.6979	-1.8477	2.24	-8.76
120	119	Shell-Thick	SLE-QP	-7.1296	-1.9162	2.24	-8.97
120	119	Shell-Thick	SLE-QP	-6.1078	-0.1468	2.03	-8.97
121	120	Shell-Thick	SLU-STATICA	-11.0136	-0.7954	-3.57	-11.66

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121	120	Shell-Thick	SLU-STATICA	-12.3435	-3.0947	-3.84	-11.66
121	120	Shell-Thick	SLU-STATICA	-11.5947	-2.9665	-3.84	-11.38
121	120	Shell-Thick	SLU-STATICA	-10.2786	-0.6537	-3.57	-11.38
121	120	Shell-Thick	SLU-SISMICA	-24.0709	-3.6800	-7.50	-8.95
121	120	Shell-Thick	SLU-SISMICA	-25.1017	-5.4440	-7.71	-8.95
121	120	Shell-Thick	SLU-SISMICA	-23.5736	-5.1467	-7.71	-8.74
121	120	Shell-Thick	SLU-SISMICA	-22.5547	-3.3709	-7.50	-8.74
121	120	Shell-Thick	SLE-RARA	-8.1568	-0.5498	-2.65	-8.97
121	120	Shell-Thick	SLE-RARA	-9.1796	-2.3186	-2.86	-8.97
121	120	Shell-Thick	SLE-RARA	-8.6228	-2.2240	-2.86	-8.76
121	120	Shell-Thick	SLE-RARA	-7.6106	-0.4449	-2.65	-8.76
121	120	Shell-Thick	SLE-FREQ.	-7.6446	-0.4491	-2.49	-8.97
121	120	Shell-Thick	SLE-FREQ.	-8.6671	-2.2180	-2.70	-8.97
121	120	Shell-Thick	SLE-FREQ.	-8.1416	-2.1300	-2.70	-8.76
121	120	Shell-Thick	SLE-FREQ.	-7.1296	-0.3507	-2.49	-8.76
121	120	Shell-Thick	SLE-QP	-6.1078	-0.1468	-2.03	-8.97
121	120	Shell-Thick	SLE-QP	-7.1296	-1.9162	-2.24	-8.97
121	120	Shell-Thick	SLE-QP	-6.6979	-1.8477	-2.24	-8.76
121	120	Shell-Thick	SLE-QP	-5.6865	-0.0681	-2.03	-8.76
122	121	Shell-Thick	SLU-STATICA	-10.3725	-0.7227	-10.70	-11.46
122	121	Shell-Thick	SLU-STATICA	-11.5942	-2.9162	-11.52	-11.46
122	121	Shell-Thick	SLU-STATICA	-9.3515	-2.5436	-11.52	-10.64
122	121	Shell-Thick	SLU-STATICA	-8.1689	-0.3118	-10.70	-10.64
122	121	Shell-Thick	SLU-SISMICA	-22.6357	-3.4251	-22.48	-8.80
122	121	Shell-Thick	SLU-SISMICA	-23.5835	-5.1107	-23.11	-8.80
122	121	Shell-Thick	SLU-SISMICA	-19.0071	-4.2720	-23.11	-8.17
122	121	Shell-Thick	SLU-SISMICA	-18.0857	-2.5608	-22.48	-8.17
122	121	Shell-Thick	SLE-RARA	-7.6827	-0.4979	-7.94	-8.82
122	121	Shell-Thick	SLE-RARA	-8.6223	-2.1853	-8.57	-8.82
122	121	Shell-Thick	SLE-RARA	-6.9547	-1.9098	-8.57	-8.19
122	121	Shell-Thick	SLE-RARA	-6.0453	-0.1930	-7.94	-8.19
122	121	Shell-Thick	SLE-FREQ.	-7.2013	-0.4037	-7.47	-8.82
122	121	Shell-Thick	SLE-FREQ.	-8.1407	-2.0911	-8.10	-8.82
122	121	Shell-Thick	SLE-FREQ.	-6.5667	-1.8338	-8.10	-8.19
122	121	Shell-Thick	SLE-FREQ.	-5.6577	-0.1168	-7.47	-8.19
122	121	Shell-Thick	SLE-QP	-5.7574	-0.1211	-6.07	-8.82
122	121	Shell-Thick	SLE-QP	-6.6960	-1.8086	-6.70	-8.82
122	121	Shell-Thick	SLE-QP	-5.4029	-1.6057	-6.70	-8.19
122	121	Shell-Thick	SLE-QP	-4.4950	0.1119	-6.07	-8.19
123	122	Shell-Thick	SLU-STATICA	-8.3634	-0.4515	-17.78	-10.80
123	122	Shell-Thick	SLU-STATICA	-9.3518	-2.4429	-19.16	-10.80
123	122	Shell-Thick	SLU-STATICA	-5.6200	-1.8053	-19.16	-9.43
123	122	Shell-Thick	SLU-STATICA	-4.6993	0.2525	-17.78	-9.43
123	122	Shell-Thick	SLU-SISMICA	-18.2604	-2.6711	-37.44	-8.29
123	122	Shell-Thick	SLU-SISMICA	-19.0239	-4.2000	-38.50	-8.29
123	122	Shell-Thick	SLU-SISMICA	-11.3975	-2.7557	-38.50	-7.24
123	122	Shell-Thick	SLU-SISMICA	-10.6854	-1.1765	-37.44	-7.24
123	122	Shell-Thick	SLE-RARA	-6.1944	-0.3003	-13.20	-8.31
123	122	Shell-Thick	SLE-RARA	-6.9546	-1.8323	-14.26	-8.31
123	122	Shell-Thick	SLE-RARA	-4.1801	-1.3611	-14.26	-7.25
123	122	Shell-Thick	SLE-RARA	-3.4720	0.2219	-13.20	-7.25
123	122	Shell-Thick	SLE-FREQ.	-5.8060	-0.2240	-12.42	-8.31
123	122	Shell-Thick	SLE-FREQ.	-6.5661	-1.7561	-13.48	-8.31
123	122	Shell-Thick	SLE-FREQ.	-3.9478	-1.3162	-13.48	-7.25
123	122	Shell-Thick	SLE-FREQ.	-3.2398	0.2669	-12.42	-7.25
123	122	Shell-Thick	SLE-QP	-4.6408	0.0049	-10.08	-8.31
123	122	Shell-Thick	SLE-QP	-5.4007	-1.5274	-11.14	-8.31
123	122	Shell-Thick	SLE-QP	-3.2509	-1.1815	-11.14	-7.25
123	122	Shell-Thick	SLE-QP	-2.5432	0.4020	-10.08	-7.25
124	123	Shell-Thick	SLU-STATICA	-4.9989	0.0396	-24.81	-9.67
124	123	Shell-Thick	SLU-STATICA	-5.6282	-1.6540	-26.76	-9.67
124	123	Shell-Thick	SLU-STATICA	-0.4197	-0.7585	-26.76	-7.72
124	123	Shell-Thick	SLU-STATICA	0.1148	1.0278	-24.81	-7.72
124	123	Shell-Thick	SLU-SISMICA	-10.9449	-1.3442	-52.35	-7.42
124	123	Shell-Thick	SLU-SISMICA	-11.4347	-2.6473	-53.84	-7.42
124	123	Shell-Thick	SLU-SISMICA	-0.7731	-0.6542	-53.84	-5.93
124	123	Shell-Thick	SLU-SISMICA	-0.3504	0.7146	-52.35	-5.93
124	123	Shell-Thick	SLE-RARA	-3.7019	0.0582	-18.41	-7.44
124	123	Shell-Thick	SLE-RARA	-4.1858	-1.2445	-19.91	-7.44

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124	123	Shell-Thick	SLE-RARA	-0.3137	-0.5821	-19.91	-5.94
124	123	Shell-Thick	SLE-RARA	0.0972	0.7922	-18.41	-5.94
124	123	Shell-Thick	SLE-FREQ.	-3.4687	0.1034	-17.32	-7.44
124	123	Shell-Thick	SLE-FREQ.	-3.9525	-1.1993	-18.82	-7.44
124	123	Shell-Thick	SLE-FREQ.	-0.2990	-0.5797	-18.82	-5.94
124	123	Shell-Thick	SLE-FREQ.	0.1116	0.7947	-17.32	-5.94
124	123	Shell-Thick	SLE-QP	-2.7693	0.2388	-14.04	-7.44
124	123	Shell-Thick	SLE-QP	-3.2525	-1.0639	-15.54	-7.44
124	123	Shell-Thick	SLE-QP	-0.2546	-0.5728	-15.54	-5.94
124	123	Shell-Thick	SLE-QP	0.1548	0.8021	-14.04	-5.94
125	124	Shell-Thick	SLU-STATICA	-0.3062	0.7374	-31.75	-8.04
125	124	Shell-Thick	SLU-STATICA	-0.4395	-0.5563	-34.30	-8.04
125	124	Shell-Thick	SLU-STATICA	6.2336	0.6270	-34.30	-5.50
125	124	Shell-Thick	SLU-STATICA	6.2408	2.0442	-31.75	-5.50
125	124	Shell-Thick	SLU-SISMICA	-0.7251	0.4846	-67.20	-6.17
125	124	Shell-Thick	SLU-SISMICA	-0.8260	-0.5097	-69.15	-6.17
125	124	Shell-Thick	SLU-SISMICA	12.8680	2.1186	-69.15	-4.23
125	124	Shell-Thick	SLU-SISMICA	12.8738	3.2059	-67.20	-4.23
125	124	Shell-Thick	SLE-RARA	-0.2257	0.5689	-23.56	-6.19
125	124	Shell-Thick	SLE-RARA	-0.3282	-0.4263	-25.52	-6.19
125	124	Shell-Thick	SLE-RARA	4.6319	0.4492	-25.52	-4.23
125	124	Shell-Thick	SLE-RARA	4.6375	1.5394	-23.56	-4.23
125	124	Shell-Thick	SLE-FREQ.	-0.2096	0.5716	-22.15	-6.19
125	124	Shell-Thick	SLE-FREQ.	-0.3122	-0.4236	-24.11	-6.19
125	124	Shell-Thick	SLE-FREQ.	4.3668	0.3955	-24.11	-4.23
125	124	Shell-Thick	SLE-FREQ.	4.3724	1.4858	-22.15	-4.23
125	124	Shell-Thick	SLE-QP	-0.1614	0.5797	-17.94	-6.19
125	124	Shell-Thick	SLE-QP	-0.2642	-0.4155	-19.90	-6.19
125	124	Shell-Thick	SLE-QP	3.5715	0.2343	-19.90	-4.23
125	124	Shell-Thick	SLE-QP	3.5770	1.3249	-17.94	-4.23
126	125	Shell-Thick	SLU-STATICA	5.6880	1.6714	-38.58	-5.92
126	125	Shell-Thick	SLU-STATICA	6.1934	0.8812	-41.75	-5.92
126	125	Shell-Thick	SLU-STATICA	14.3124	2.3452	-41.75	-2.75
126	125	Shell-Thick	SLU-STATICA	13.6502	3.2890	-38.58	-2.75
126	125	Shell-Thick	SLU-SISMICA	12.3859	2.9100	-81.96	-4.54
126	125	Shell-Thick	SLU-SISMICA	12.7844	2.3001	-84.39	-4.54
126	125	Shell-Thick	SLU-SISMICA	29.4905	5.4956	-84.39	-2.11
126	125	Shell-Thick	SLU-SISMICA	28.9780	6.2171	-81.96	-2.11
126	125	Shell-Thick	SLE-RARA	4.2135	1.2528	-28.62	-4.55
126	125	Shell-Thick	SLE-RARA	4.6021	0.6450	-31.06	-4.55
126	125	Shell-Thick	SLE-RARA	10.6360	1.7294	-31.06	-2.11
126	125	Shell-Thick	SLE-RARA	10.1267	2.4555	-28.62	-2.11
126	125	Shell-Thick	SLE-FREQ.	3.9504	1.1995	-26.91	-4.55
126	125	Shell-Thick	SLE-FREQ.	4.3387	0.5918	-29.35	-4.55
126	125	Shell-Thick	SLE-FREQ.	10.0292	1.6082	-29.35	-2.11
126	125	Shell-Thick	SLE-FREQ.	9.5199	2.3344	-26.91	-2.11
126	125	Shell-Thick	SLE-QP	3.1613	1.0395	-21.76	-4.55
126	125	Shell-Thick	SLE-QP	3.5486	0.4319	-24.20	-4.55
126	125	Shell-Thick	SLE-QP	8.2085	1.2445	-24.20	-2.11
126	125	Shell-Thick	SLE-QP	7.6995	1.9711	-21.76	-2.11
127	126	Shell-Thick	SLU-STATICA	12.9526	2.8304	-45.32	-3.25
127	126	Shell-Thick	SLU-STATICA	14.2485	2.6514	-49.09	-3.25
127	126	Shell-Thick	SLU-STATICA	23.7938	4.4260	-49.09	0.52
127	126	Shell-Thick	SLU-STATICA	22.3053	4.7939	-45.32	0.52
127	126	Shell-Thick	SLU-SISMICA	28.3555	5.8517	-96.65	-2.49
127	126	Shell-Thick	SLU-SISMICA	29.3788	5.7142	-99.55	-2.49
127	126	Shell-Thick	SLU-SISMICA	49.0890	9.5604	-99.55	0.40
127	126	Shell-Thick	SLU-SISMICA	47.9194	9.8413	-96.65	0.40
127	126	Shell-Thick	SLE-RARA	9.5918	2.1030	-33.61	-2.50
127	126	Shell-Thick	SLE-RARA	10.5881	1.9653	-36.52	-2.50
127	126	Shell-Thick	SLE-RARA	17.6808	3.2802	-36.52	0.40
127	126	Shell-Thick	SLE-RARA	16.5363	3.5632	-33.61	0.40
127	126	Shell-Thick	SLE-FREQ.	8.9879	1.9823	-31.58	-2.50
127	126	Shell-Thick	SLE-FREQ.	9.9833	1.8446	-34.49	-2.50
127	126	Shell-Thick	SLE-FREQ.	16.6698	3.0780	-34.49	0.40
127	126	Shell-Thick	SLE-FREQ.	15.5261	3.3611	-31.58	0.40
127	126	Shell-Thick	SLE-QP	7.1760	1.6204	-25.49	-2.51
127	126	Shell-Thick	SLE-QP	8.1688	1.4826	-28.40	-2.51
127	126	Shell-Thick	SLE-QP	13.6369	2.4716	-28.40	0.40

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127	126	Shell-Thick	SLE-QP	12.4956	2.7549	-25.49	0.40
128	127	Shell-Thick	SLU-STATICA	24.2240	5.2399	48.70	0.77
128	127	Shell-Thick	SLU-STATICA	26.1561	4.8361	53.99	0.77
128	127	Shell-Thick	SLU-STATICA	15.7367	2.8676	53.99	-3.46
128	127	Shell-Thick	SLU-STATICA	14.0782	3.1369	48.70	-3.46
128	127	Shell-Thick	SLU-SISMICA	49.4250	10.1903	99.24	0.60
128	127	Shell-Thick	SLU-SISMICA	50.9440	9.8834	103.30	0.60
128	127	Shell-Thick	SLU-SISMICA	30.5618	5.9002	103.30	-2.65
128	127	Shell-Thick	SLU-SISMICA	29.2473	6.1067	99.24	-2.65
128	127	Shell-Thick	SLE-RARA	18.0116	3.9062	36.21	0.59
128	127	Shell-Thick	SLE-RARA	19.4972	3.5955	40.28	0.59
128	127	Shell-Thick	SLE-RARA	11.7321	2.1312	40.28	-2.66
128	127	Shell-Thick	SLE-RARA	10.4572	2.3383	36.21	-2.66
128	127	Shell-Thick	SLE-FREQ.	17.0004	3.7040	34.18	0.59
128	127	Shell-Thick	SLE-FREQ.	18.4850	3.3931	38.26	0.59
128	127	Shell-Thick	SLE-FREQ.	11.1260	2.0099	38.26	-2.66
128	127	Shell-Thick	SLE-FREQ.	9.8523	2.2170	34.18	-2.66
128	127	Shell-Thick	SLE-QP	13.9670	3.0971	28.10	0.59
128	127	Shell-Thick	SLE-QP	15.4483	2.7859	32.17	0.59
128	127	Shell-Thick	SLE-QP	9.3078	1.6459	32.17	-2.67
128	127	Shell-Thick	SLE-QP	8.0379	1.8532	28.10	-2.67
129	128	Shell-Thick	SLU-STATICA	14.7931	3.6520	41.43	-2.73
129	128	Shell-Thick	SLU-STATICA	15.6653	2.4812	45.76	-2.73
129	128	Shell-Thick	SLU-STATICA	6.8221	0.8322	45.76	-6.19
129	128	Shell-Thick	SLU-STATICA	6.1762	1.8916	41.43	-6.19
129	128	Shell-Thick	SLU-SISMICA	29.8623	6.5118	84.14	-2.09
129	128	Shell-Thick	SLU-SISMICA	30.5478	5.6153	87.45	-2.09
129	128	Shell-Thick	SLU-SISMICA	13.2806	2.2426	87.45	-4.74
129	128	Shell-Thick	SLU-SISMICA	12.7667	3.0546	84.14	-4.74
129	128	Shell-Thick	SLE-RARA	11.0058	2.7344	30.81	-2.10
129	128	Shell-Thick	SLE-RARA	11.6764	1.8337	34.14	-2.10
129	128	Shell-Thick	SLE-RARA	5.0855	0.6077	34.14	-4.76
129	128	Shell-Thick	SLE-RARA	4.5889	1.4228	30.81	-4.76
129	128	Shell-Thick	SLE-FREQ.	10.3988	2.6128	29.10	-2.10
129	128	Shell-Thick	SLE-FREQ.	11.0690	1.7120	32.43	-2.10
129	128	Shell-Thick	SLE-FREQ.	4.8217	0.5551	32.43	-4.76
129	128	Shell-Thick	SLE-FREQ.	4.3257	1.3703	29.10	-4.76
129	128	Shell-Thick	SLE-QP	8.5780	2.2480	23.95	-2.10
129	128	Shell-Thick	SLE-QP	9.2467	1.3468	27.28	-2.10
129	128	Shell-Thick	SLE-QP	4.0303	0.3972	27.28	-4.76
129	128	Shell-Thick	SLE-QP	3.5360	1.2127	23.95	-4.76
130	129	Shell-Thick	SLU-STATICA	6.7480	2.3082	34.03	-5.59
130	129	Shell-Thick	SLU-STATICA	6.7527	0.5160	37.53	-5.59
130	129	Shell-Thick	SLU-STATICA	-0.5022	-0.8092	37.53	-8.39
130	129	Shell-Thick	SLU-STATICA	-0.3275	0.8948	34.03	-8.39
130	129	Shell-Thick	SLU-SISMICA	13.2621	3.3824	68.94	-4.29
130	129	Shell-Thick	SLU-SISMICA	13.2632	2.0104	71.61	-4.29
130	129	Shell-Thick	SLU-SISMICA	-0.8758	-0.7065	71.61	-6.42
130	129	Shell-Thick	SLU-SISMICA	-0.7452	0.6008	68.94	-6.42
130	129	Shell-Thick	SLE-RARA	5.0277	1.7431	25.32	-4.30
130	129	Shell-Thick	SLE-RARA	5.0313	0.3643	28.00	-4.30
130	129	Shell-Thick	SLE-RARA	-0.3764	-0.6207	28.00	-6.45
130	129	Shell-Thick	SLE-RARA	-0.2419	0.6901	25.32	-6.45
130	129	Shell-Thick	SLE-FREQ.	4.7626	1.6903	23.91	-4.30
130	129	Shell-Thick	SLE-FREQ.	4.7663	0.3114	26.60	-4.30
130	129	Shell-Thick	SLE-FREQ.	-0.3604	-0.6180	26.60	-6.45
130	129	Shell-Thick	SLE-FREQ.	-0.2257	0.6930	23.91	-6.45
130	129	Shell-Thick	SLE-QP	3.9674	1.5320	19.70	-4.30
130	129	Shell-Thick	SLE-QP	3.9714	0.1524	22.39	-4.30
130	129	Shell-Thick	SLE-QP	-0.3121	-0.6097	22.39	-6.45
130	129	Shell-Thick	SLE-QP	-0.1771	0.7016	19.70	-6.45
131	130	Shell-Thick	SLU-STATICA	0.1119	1.2216	26.56	-7.91
131	130	Shell-Thick	SLU-STATICA	-0.5650	-1.0606	29.25	-7.91
131	130	Shell-Thick	SLU-STATICA	-6.2218	-2.0847	29.25	-10.06
131	130	Shell-Thick	SLU-STATICA	-5.4070	0.1297	26.56	-10.06
131	130	Shell-Thick	SLU-SISMICA	-0.3674	0.8574	53.69	-6.07
131	130	Shell-Thick	SLU-SISMICA	-0.8932	-0.8910	55.74	-6.07
131	130	Shell-Thick	SLU-SISMICA	-11.9026	-3.0168	55.74	-7.71
131	130	Shell-Thick	SLU-SISMICA	-11.2725	-1.3196	53.69	-7.71

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131	130	Shell-Thick	SLE-RARA	0.0952	0.9413	19.76	-6.09
131	130	Shell-Thick	SLE-RARA	-0.4253	-0.8143	21.83	-6.09
131	130	Shell-Thick	SLE-RARA	-4.6422	-1.5751	21.83	-7.74
131	130	Shell-Thick	SLE-RARA	-4.0155	0.1284	19.76	-7.74
131	130	Shell-Thick	SLE-FREQ.	0.1101	0.9440	18.67	-6.09
131	130	Shell-Thick	SLE-FREQ.	-0.4103	-0.8118	20.73	-6.09
131	130	Shell-Thick	SLE-FREQ.	-4.4085	-1.5286	20.73	-7.74
131	130	Shell-Thick	SLE-FREQ.	-3.7819	0.1751	18.67	-7.74
131	130	Shell-Thick	SLE-QP	0.1548	0.9521	15.39	-6.09
131	130	Shell-Thick	SLE-QP	-0.3651	-0.8044	17.46	-6.09
131	130	Shell-Thick	SLE-QP	-3.7074	-1.3894	17.46	-7.75
131	130	Shell-Thick	SLE-QP	-3.0812	0.3149	15.39	-7.75
132	131	Shell-Thick	SLU-STATICA	-5.0878	0.3708	19.02	-9.71
132	131	Shell-Thick	SLU-STATICA	-6.2751	-2.2726	20.92	-9.71
132	131	Shell-Thick	SLU-STATICA	-10.3226	-2.9913	20.92	-11.23
132	131	Shell-Thick	SLU-STATICA	-9.0393	-0.3951	19.02	-11.23
132	131	Shell-Thick	SLU-SISMICA	-10.9947	-1.1303	38.38	-7.44
132	131	Shell-Thick	SLU-SISMICA	-11.9229	-3.1546	39.84	-7.44
132	131	Shell-Thick	SLU-SISMICA	-19.7894	-4.6442	39.84	-8.61
132	131	Shell-Thick	SLU-SISMICA	-18.7923	-2.6536	38.38	-8.61
132	131	Shell-Thick	SLE-RARA	-3.7706	0.3138	14.15	-7.47
132	131	Shell-Thick	SLE-RARA	-4.6836	-1.7197	15.61	-7.47
132	131	Shell-Thick	SLE-RARA	-7.7010	-2.2536	15.61	-8.64
132	131	Shell-Thick	SLE-RARA	-6.7140	-0.2564	14.15	-8.64
132	131	Shell-Thick	SLE-FREQ.	-3.5380	0.3603	13.37	-7.47
132	131	Shell-Thick	SLE-FREQ.	-4.4506	-1.6735	14.83	-7.47
132	131	Shell-Thick	SLE-FREQ.	-7.3119	-2.1767	14.83	-8.64
132	131	Shell-Thick	SLE-FREQ.	-6.3252	-0.1792	13.37	-8.64
132	131	Shell-Thick	SLE-QP	-2.8405	0.4997	11.03	-7.48
132	131	Shell-Thick	SLE-QP	-3.7515	-1.5350	12.50	-7.48
132	131	Shell-Thick	SLE-QP	-6.1446	-1.9459	12.50	-8.65
132	131	Shell-Thick	SLE-QP	-5.1589	0.0522	11.03	-8.65
133	132	Shell-Thick	SLU-STATICA	-8.8332	-0.2364	11.43	-11.00
133	132	Shell-Thick	SLU-STATICA	-10.3603	-3.1163	12.57	-11.00
133	132	Shell-Thick	SLU-STATICA	-12.7925	-3.5492	12.57	-11.91
133	132	Shell-Thick	SLU-STATICA	-11.2074	-0.6977	11.43	-11.91
133	132	Shell-Thick	SLU-SISMICA	-18.6161	-2.5293	23.05	-8.43
133	132	Shell-Thick	SLU-SISMICA	-19.8028	-4.7359	23.91	-8.43
133	132	Shell-Thick	SLU-SISMICA	-24.5273	-5.6455	23.91	-9.12
133	132	Shell-Thick	SLU-SISMICA	-23.2960	-3.4609	23.05	-9.12
133	132	Shell-Thick	SLE-RARA	-6.5558	-0.1344	8.51	-8.46
133	132	Shell-Thick	SLE-RARA	-7.7303	-2.3499	9.38	-8.46
133	132	Shell-Thick	SLE-RARA	-9.5436	-2.6712	9.38	-9.16
133	132	Shell-Thick	SLE-RARA	-8.3245	-0.4776	8.51	-9.16
133	132	Shell-Thick	SLE-FREQ.	-6.1676	-0.0573	8.04	-8.47
133	132	Shell-Thick	SLE-FREQ.	-7.3418	-2.2731	8.91	-8.47
133	132	Shell-Thick	SLE-FREQ.	-9.0613	-2.5755	8.91	-9.16
133	132	Shell-Thick	SLE-FREQ.	-7.8426	-0.3816	8.04	-9.16
133	132	Shell-Thick	SLE-QP	-5.0030	0.1740	6.63	-8.47
133	132	Shell-Thick	SLE-QP	-6.1760	-2.0427	7.51	-8.47
133	132	Shell-Thick	SLE-QP	-7.6144	-2.2882	7.51	-9.17
133	132	Shell-Thick	SLE-QP	-6.3969	-0.0935	6.63	-9.17
134	133	Shell-Thick	SLU-STATICA	-11.1055	-0.6190	3.81	-11.80
134	133	Shell-Thick	SLU-STATICA	-12.8127	-3.6116	4.19	-11.80
134	133	Shell-Thick	SLU-STATICA	-13.6235	-3.7516	4.19	-12.10
134	133	Shell-Thick	SLU-STATICA	-11.8978	-0.7681	3.81	-12.10
134	133	Shell-Thick	SLU-SISMICA	-23.2070	-3.3992	7.68	-9.04
134	133	Shell-Thick	SLU-SISMICA	-24.5364	-5.6913	7.97	-9.04
134	133	Shell-Thick	SLU-SISMICA	-26.1096	-5.9794	7.97	-9.27
134	133	Shell-Thick	SLU-SISMICA	-24.7686	-3.6929	7.68	-9.27
134	133	Shell-Thick	SLE-RARA	-8.2464	-0.4171	2.84	-9.07
134	133	Shell-Thick	SLE-RARA	-9.5593	-2.7193	3.13	-9.07
134	133	Shell-Thick	SLE-RARA	-10.1637	-2.8233	3.13	-9.31
134	133	Shell-Thick	SLE-RARA	-8.8366	-0.5281	2.84	-9.31
134	133	Shell-Thick	SLE-FREQ.	-7.7648	-0.3211	2.68	-9.08
134	133	Shell-Thick	SLE-FREQ.	-9.0772	-2.6236	2.97	-9.08
134	133	Shell-Thick	SLE-FREQ.	-9.6505	-2.7218	2.97	-9.31
134	133	Shell-Thick	SLE-FREQ.	-8.3238	-0.4263	2.68	-9.31
134	133	Shell-Thick	SLE-QP	-6.3201	-0.0331	2.21	-9.08



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

134	133	Shell-Thick	SLE-QP	-7.6309	-2.3366	2.50	-9.08
134	133	Shell-Thick	SLE-QP	-8.1106	-2.4170	2.50	-9.31
134	133	Shell-Thick	SLE-QP	-6.7853	-0.1207	2.21	-9.31
135	134	Shell-Thick	SLU-STATICA	-11.8978	-0.7681	-3.81	-12.10
135	134	Shell-Thick	SLU-STATICA	-13.6235	-3.7516	-4.19	-12.10
135	134	Shell-Thick	SLU-STATICA	-12.8127	-3.6116	-4.19	-11.80
135	134	Shell-Thick	SLU-STATICA	-11.1055	-0.6190	-3.81	-11.80
135	134	Shell-Thick	SLU-SISMICA	-24.7686	-3.6929	-7.68	-9.27
135	134	Shell-Thick	SLU-SISMICA	-26.1096	-5.9794	-7.97	-9.27
135	134	Shell-Thick	SLU-SISMICA	-24.5364	-5.6913	-7.97	-9.04
135	134	Shell-Thick	SLU-SISMICA	-23.2070	-3.3992	-7.68	-9.04
135	134	Shell-Thick	SLE-RARA	-8.8366	-0.5281	-2.84	-9.31
135	134	Shell-Thick	SLE-RARA	-10.1637	-2.8233	-3.13	-9.31
135	134	Shell-Thick	SLE-RARA	-9.5593	-2.7193	-3.13	-9.07
135	134	Shell-Thick	SLE-RARA	-8.2464	-0.4171	-2.84	-9.07
135	134	Shell-Thick	SLE-FREQ.	-8.3238	-0.4263	-2.68	-9.31
135	134	Shell-Thick	SLE-FREQ.	-9.6505	-2.7218	-2.97	-9.31
135	134	Shell-Thick	SLE-FREQ.	-9.0772	-2.6236	-2.97	-9.08
135	134	Shell-Thick	SLE-FREQ.	-7.7648	-0.3211	-2.68	-9.08
135	134	Shell-Thick	SLE-QP	-6.7853	-0.1207	-2.21	-9.31
135	134	Shell-Thick	SLE-QP	-8.1106	-2.4170	-2.50	-9.31
135	134	Shell-Thick	SLE-QP	-7.6309	-2.3366	-2.50	-9.08
135	134	Shell-Thick	SLE-QP	-6.3201	-0.0331	-2.21	-9.08
136	135	Shell-Thick	SLU-STATICA	-11.2074	-0.6977	-11.43	-11.91
136	135	Shell-Thick	SLU-STATICA	-12.7925	-3.5492	-12.57	-11.91
136	135	Shell-Thick	SLU-STATICA	-10.3603	-3.1163	-12.57	-11.00
136	135	Shell-Thick	SLU-STATICA	-8.8332	-0.2364	-11.43	-11.00
136	135	Shell-Thick	SLU-SISMICA	-23.2960	-3.4609	-23.05	-9.12
136	135	Shell-Thick	SLU-SISMICA	-24.5273	-5.6455	-23.91	-9.12
136	135	Shell-Thick	SLU-SISMICA	-19.8028	-4.7359	-23.91	-8.43
136	135	Shell-Thick	SLU-SISMICA	-18.6161	-2.5293	-23.05	-8.43
136	135	Shell-Thick	SLE-RARA	-8.3245	-0.4776	-8.51	-9.16
136	135	Shell-Thick	SLE-RARA	-9.5436	-2.6712	-9.38	-9.16
136	135	Shell-Thick	SLE-RARA	-7.7303	-2.3499	-9.38	-8.46
136	135	Shell-Thick	SLE-RARA	-6.5558	-0.1344	-8.51	-8.46
136	135	Shell-Thick	SLE-FREQ.	-7.8426	-0.3816	-8.04	-9.16
136	135	Shell-Thick	SLE-FREQ.	-9.0613	-2.5755	-8.91	-9.16
136	135	Shell-Thick	SLE-FREQ.	-7.3418	-2.2731	-8.91	-8.47
136	135	Shell-Thick	SLE-FREQ.	-6.1676	-0.0573	-8.04	-8.47
136	135	Shell-Thick	SLE-QP	-6.3969	-0.0935	-6.63	-9.17
136	135	Shell-Thick	SLE-QP	-7.6144	-2.2882	-7.51	-9.17
136	135	Shell-Thick	SLE-QP	-6.1760	-2.0427	-7.51	-8.47
136	135	Shell-Thick	SLE-QP	-5.0030	0.1740	-6.63	-8.47
137	136	Shell-Thick	SLU-STATICA	-9.0393	-0.3951	-19.02	-11.23
137	136	Shell-Thick	SLU-STATICA	-10.3226	-2.9913	-20.92	-11.23
137	136	Shell-Thick	SLU-STATICA	-6.2751	-2.2726	-20.92	-9.71
137	136	Shell-Thick	SLU-STATICA	-5.0878	0.3708	-19.02	-9.71
137	136	Shell-Thick	SLU-SISMICA	-18.7923	-2.6536	-38.38	-8.61
137	136	Shell-Thick	SLU-SISMICA	-19.7894	-4.6442	-39.84	-8.61
137	136	Shell-Thick	SLU-SISMICA	-11.9229	-3.1546	-39.84	-7.44
137	136	Shell-Thick	SLU-SISMICA	-10.9947	-1.1303	-38.38	-7.44
137	136	Shell-Thick	SLE-RARA	-6.7140	-0.2564	-14.15	-8.64
137	136	Shell-Thick	SLE-RARA	-7.7010	-2.2536	-15.61	-8.64
137	136	Shell-Thick	SLE-RARA	-4.6836	-1.7197	-15.61	-7.47
137	136	Shell-Thick	SLE-RARA	-3.7706	0.3138	-14.15	-7.47
137	136	Shell-Thick	SLE-FREQ.	-6.3252	-0.1792	-13.37	-8.64
137	136	Shell-Thick	SLE-FREQ.	-7.3119	-2.1767	-14.83	-8.64
137	136	Shell-Thick	SLE-FREQ.	-4.4506	-1.6735	-14.83	-7.47
137	136	Shell-Thick	SLE-FREQ.	-3.5380	0.3603	-13.37	-7.47
137	136	Shell-Thick	SLE-QP	-5.1589	0.0522	-11.03	-8.65
137	136	Shell-Thick	SLE-QP	-6.1446	-1.9459	-12.50	-8.65
137	136	Shell-Thick	SLE-QP	-3.7515	-1.5350	-12.50	-7.48
137	136	Shell-Thick	SLE-QP	-2.8405	0.4997	-11.03	-7.48
138	137	Shell-Thick	SLU-STATICA	-5.4070	0.1297	-26.56	-10.06
138	137	Shell-Thick	SLU-STATICA	-6.2218	-2.0847	-29.25	-10.06
138	137	Shell-Thick	SLU-STATICA	-0.5650	-1.0606	-29.25	-7.91
138	137	Shell-Thick	SLU-STATICA	0.1119	1.2216	-26.56	-7.91
138	137	Shell-Thick	SLU-SISMICA	-11.2725	-1.3196	-53.69	-7.71
138	137	Shell-Thick	SLU-SISMICA	-11.9026	-3.0168	-55.74	-7.71



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

138	137	Shell-Thick	SLU-SISMICA	-0.8932	-0.8910	-55.74	-6.07
138	137	Shell-Thick	SLU-SISMICA	-0.3674	0.8574	-53.69	-6.07
138	137	Shell-Thick	SLE-RARA	-4.0155	0.1284	-19.76	-7.74
138	137	Shell-Thick	SLE-RARA	-4.6422	-1.5751	-21.83	-7.74
138	137	Shell-Thick	SLE-RARA	-0.4253	-0.8143	-21.83	-6.09
138	137	Shell-Thick	SLE-RARA	0.0952	0.9413	-19.76	-6.09
138	137	Shell-Thick	SLE-FREQ.	-3.7819	0.1751	-18.67	-7.74
138	137	Shell-Thick	SLE-FREQ.	-4.4085	-1.5286	-20.73	-7.74
138	137	Shell-Thick	SLE-FREQ.	-0.4103	-0.8118	-20.73	-6.09
138	137	Shell-Thick	SLE-FREQ.	0.1101	0.9440	-18.67	-6.09
138	137	Shell-Thick	SLE-QP	-3.0812	0.3149	-15.39	-7.75
138	137	Shell-Thick	SLE-QP	-3.7074	-1.3894	-17.46	-7.75
138	137	Shell-Thick	SLE-QP	-0.3651	-0.8044	-17.46	-6.09
138	137	Shell-Thick	SLE-QP	0.1548	0.9521	-15.39	-6.09
139	138	Shell-Thick	SLU-STATICA	-0.3275	0.8948	-34.03	-8.39
139	138	Shell-Thick	SLU-STATICA	-0.5022	-0.8092	-37.53	-8.39
139	138	Shell-Thick	SLU-STATICA	6.7527	0.5160	-37.53	-5.59
139	138	Shell-Thick	SLU-STATICA	6.7480	2.3082	-34.03	-5.59
139	138	Shell-Thick	SLU-SISMICA	-0.7452	0.6008	-68.94	-6.42
139	138	Shell-Thick	SLU-SISMICA	-0.8758	-0.7065	-71.61	-6.42
139	138	Shell-Thick	SLU-SISMICA	13.2632	2.0104	-71.61	-4.29
139	138	Shell-Thick	SLU-SISMICA	13.2621	3.3824	-68.94	-4.29
139	138	Shell-Thick	SLE-RARA	-0.2419	0.6901	-25.32	-6.45
139	138	Shell-Thick	SLE-RARA	-0.3764	-0.6207	-28.00	-6.45
139	138	Shell-Thick	SLE-RARA	5.0313	0.3643	-28.00	-4.30
139	138	Shell-Thick	SLE-RARA	5.0277	1.7431	-25.32	-4.30
139	138	Shell-Thick	SLE-FREQ.	-0.2257	0.6930	-23.91	-6.45
139	138	Shell-Thick	SLE-FREQ.	-0.3604	-0.6180	-26.60	-6.45
139	138	Shell-Thick	SLE-FREQ.	4.7663	0.3114	-26.60	-4.30
139	138	Shell-Thick	SLE-FREQ.	4.7626	1.6903	-23.91	-4.30
139	138	Shell-Thick	SLE-QP	-0.1771	0.7016	-19.70	-6.45
139	138	Shell-Thick	SLE-QP	-0.3121	-0.6097	-22.39	-6.45
139	138	Shell-Thick	SLE-QP	3.9714	0.1524	-22.39	-4.30
139	138	Shell-Thick	SLE-QP	3.9674	1.5320	-19.70	-4.30
140	139	Shell-Thick	SLU-STATICA	6.1762	1.8916	-41.43	-6.19
140	139	Shell-Thick	SLU-STATICA	6.8221	0.8322	-45.76	-6.19
140	139	Shell-Thick	SLU-STATICA	15.6653	2.4812	-45.76	-2.73
140	139	Shell-Thick	SLU-STATICA	14.7931	3.6520	-41.43	-2.73
140	139	Shell-Thick	SLU-SISMICA	12.7667	3.0546	-84.14	-4.74
140	139	Shell-Thick	SLU-SISMICA	13.2806	2.2426	-87.45	-4.74
140	139	Shell-Thick	SLU-SISMICA	30.5478	5.6153	-87.45	-2.09
140	139	Shell-Thick	SLU-SISMICA	29.8623	6.5118	-84.14	-2.09
140	139	Shell-Thick	SLE-RARA	4.5889	1.4228	-30.81	-4.76
140	139	Shell-Thick	SLE-RARA	5.0855	0.6077	-34.14	-4.76
140	139	Shell-Thick	SLE-RARA	11.6764	1.8337	-34.14	-2.10
140	139	Shell-Thick	SLE-RARA	11.0058	2.7344	-30.81	-2.10
140	139	Shell-Thick	SLE-FREQ.	4.3257	1.3703	-29.10	-4.76
140	139	Shell-Thick	SLE-FREQ.	4.8217	0.5551	-32.43	-4.76
140	139	Shell-Thick	SLE-FREQ.	11.0690	1.7120	-32.43	-2.10
140	139	Shell-Thick	SLE-FREQ.	10.3988	2.6128	-29.10	-2.10
140	139	Shell-Thick	SLE-QP	3.5360	1.2127	-23.95	-4.76
140	139	Shell-Thick	SLE-QP	4.0303	0.3972	-27.28	-4.76
140	139	Shell-Thick	SLE-QP	9.2467	1.3468	-27.28	-2.10
140	139	Shell-Thick	SLE-QP	8.5780	2.2480	-23.95	-2.10
141	140	Shell-Thick	SLU-STATICA	14.0782	3.1369	-48.70	-3.46
141	140	Shell-Thick	SLU-STATICA	15.7367	2.8676	-53.99	-3.46
141	140	Shell-Thick	SLU-STATICA	26.1561	4.8361	-53.99	0.77
141	140	Shell-Thick	SLU-STATICA	24.2240	5.2399	-48.70	0.77
141	140	Shell-Thick	SLU-SISMICA	29.2473	6.1067	-99.24	-2.65
141	140	Shell-Thick	SLU-SISMICA	30.5618	5.9002	-103.30	-2.65
141	140	Shell-Thick	SLU-SISMICA	50.9440	9.8834	-103.30	0.60
141	140	Shell-Thick	SLU-SISMICA	49.4250	10.1903	-99.24	0.60
141	140	Shell-Thick	SLE-RARA	10.4572	2.3383	-36.21	-2.66
141	140	Shell-Thick	SLE-RARA	11.7321	2.1312	-40.28	-2.66
141	140	Shell-Thick	SLE-RARA	19.4972	3.5955	-40.28	0.59
141	140	Shell-Thick	SLE-RARA	18.0116	3.9062	-36.21	0.59
141	140	Shell-Thick	SLE-FREQ.	9.8523	2.2170	-34.18	-2.66
141	140	Shell-Thick	SLE-FREQ.	11.1260	2.0099	-38.26	-2.66
141	140	Shell-Thick	SLE-FREQ.	18.4850	3.3931	-38.26	0.59

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

141	140	Shell-Thick	SLE-FREQ.	17.0004	3.7040	-34.18	0.59
141	140	Shell-Thick	SLE-QP	8.0379	1.8532	-28.10	-2.67
141	140	Shell-Thick	SLE-QP	9.3078	1.6459	-32.17	-2.67
141	140	Shell-Thick	SLE-QP	15.4483	2.7859	-32.17	0.59
141	140	Shell-Thick	SLE-QP	13.9670	3.0971	-28.10	0.59
142	141	Shell-Thick	SLU-STATICA	26.5405	5.6120	53.66	0.36
142	141	Shell-Thick	SLU-STATICA	27.6986	5.2358	56.45	0.36
142	141	Shell-Thick	SLU-STATICA	16.6195	3.1934	56.45	-3.36
142	141	Shell-Thick	SLU-STATICA	15.5874	3.2673	53.66	-3.36
142	141	Shell-Thick	SLU-SISMICA	51.2349	10.4820	103.05	0.28
142	141	Shell-Thick	SLU-SISMICA	52.1467	10.1943	105.18	0.28
142	141	Shell-Thick	SLU-SISMICA	31.2650	6.1420	105.18	-2.56
142	141	Shell-Thick	SLU-SISMICA	30.4500	6.1974	103.05	-2.56
142	141	Shell-Thick	SLE-RARA	19.7930	4.1923	40.03	0.28
142	141	Shell-Thick	SLE-RARA	20.6834	3.9030	42.17	0.28
142	141	Shell-Thick	SLE-RARA	12.4108	2.3820	42.17	-2.58
142	141	Shell-Thick	SLE-RARA	11.6172	2.4388	40.03	-2.58
142	141	Shell-Thick	SLE-FREQ.	18.7809	3.9899	38.00	0.28
142	141	Shell-Thick	SLE-FREQ.	19.6707	3.7004	40.15	0.28
142	141	Shell-Thick	SLE-FREQ.	11.8039	2.2610	40.15	-2.58
142	141	Shell-Thick	SLE-FREQ.	11.0110	2.3178	38.00	-2.58
142	141	Shell-Thick	SLE-QP	15.7447	3.3825	31.91	0.28
142	141	Shell-Thick	SLE-QP	16.6324	3.0929	34.06	0.28
142	141	Shell-Thick	SLE-QP	9.9832	1.8979	34.06	-2.58
142	141	Shell-Thick	SLE-QP	9.1925	1.9549	31.91	-2.58
143	142	Shell-Thick	SLU-STATICA	16.0993	3.6870	45.48	-2.97
143	142	Shell-Thick	SLU-STATICA	16.6169	2.8755	47.89	-2.97
143	142	Shell-Thick	SLU-STATICA	7.2244	1.1701	47.89	-6.19
143	142	Shell-Thick	SLU-STATICA	6.8098	1.7345	45.48	-6.19
143	142	Shell-Thick	SLU-SISMICA	30.8769	6.5230	87.24	-2.27
143	142	Shell-Thick	SLU-SISMICA	31.2843	5.9056	89.08	-2.27
143	142	Shell-Thick	SLU-SISMICA	13.6055	2.5150	89.08	-4.73
143	142	Shell-Thick	SLU-SISMICA	13.2744	2.9495	87.24	-4.73
143	142	Shell-Thick	SLE-RARA	12.0103	2.7617	33.93	-2.29
143	142	Shell-Thick	SLE-RARA	12.4083	2.1373	35.78	-2.29
143	142	Shell-Thick	SLE-RARA	5.3946	0.8674	35.78	-4.76
143	142	Shell-Thick	SLE-RARA	5.0759	1.3016	33.93	-4.76
143	142	Shell-Thick	SLE-FREQ.	11.4031	2.6406	32.21	-2.29
143	142	Shell-Thick	SLE-FREQ.	11.8007	2.0160	34.07	-2.29
143	142	Shell-Thick	SLE-FREQ.	5.1303	0.8144	34.07	-4.76
143	142	Shell-Thick	SLE-FREQ.	4.8120	1.2485	32.21	-4.76
143	142	Shell-Thick	SLE-QP	9.5812	2.2774	27.06	-2.29
143	142	Shell-Thick	SLE-QP	9.9780	1.6521	28.92	-2.29
143	142	Shell-Thick	SLE-QP	4.3374	0.6553	28.92	-4.76
143	142	Shell-Thick	SLE-QP	4.0203	1.0894	27.06	-4.76
144	143	Shell-Thick	SLU-STATICA	7.2202	2.0803	37.30	-5.87
144	143	Shell-Thick	SLU-STATICA	7.2122	0.9039	39.25	-5.87
144	143	Shell-Thick	SLU-STATICA	-0.4882	-0.4874	39.25	-8.47
144	143	Shell-Thick	SLU-STATICA	-0.3971	0.4898	37.30	-8.47
144	143	Shell-Thick	SLU-SISMICA	13.6184	3.2176	71.45	-4.49
144	143	Shell-Thick	SLU-SISMICA	13.6156	2.3177	72.94	-4.49
144	143	Shell-Thick	SLU-SISMICA	-0.8614	-0.4810	72.94	-6.48
144	143	Shell-Thick	SLU-SISMICA	-0.7950	0.2663	71.45	-6.48
144	143	Shell-Thick	SLE-RARA	5.3910	1.5676	27.83	-4.51
144	143	Shell-Thick	SLE-RARA	5.3848	0.6625	29.33	-4.51
144	143	Shell-Thick	SLE-RARA	-0.3657	-0.3728	29.33	-6.51
144	143	Shell-Thick	SLE-RARA	-0.2956	0.3790	27.83	-6.51
144	143	Shell-Thick	SLE-FREQ.	5.1262	1.5145	26.43	-4.52
144	143	Shell-Thick	SLE-FREQ.	5.1199	0.6092	27.93	-4.52
144	143	Shell-Thick	SLE-FREQ.	-0.3498	-0.3693	27.93	-6.52
144	143	Shell-Thick	SLE-FREQ.	-0.2795	0.3826	26.43	-6.52
144	143	Shell-Thick	SLE-QP	4.3317	1.3551	22.21	-4.52
144	143	Shell-Thick	SLE-QP	4.3251	0.4494	23.72	-4.52
144	143	Shell-Thick	SLE-QP	-0.3019	-0.3588	23.72	-6.52
144	143	Shell-Thick	SLE-QP	-0.2313	0.3935	22.21	-6.52
145	144	Shell-Thick	SLU-STATICA	-0.0801	0.7611	29.07	-8.22
145	144	Shell-Thick	SLU-STATICA	-0.5062	-0.6989	30.57	-8.22
145	144	Shell-Thick	SLU-STATICA	-6.5049	-1.7636	30.57	-10.22
145	144	Shell-Thick	SLU-STATICA	-6.0162	-0.4539	29.07	-10.22

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145	144	Shell-Thick	SLU-SISMICA	-0.5268	0.4765	55.61	-6.29
145	144	Shell-Thick	SLU-SISMICA	-0.8595	-0.6372	56.76	-6.29
145	144	Shell-Thick	SLU-SISMICA	-12.1239	-2.7725	56.76	-7.82
145	144	Shell-Thick	SLU-SISMICA	-11.7457	-1.7678	55.61	-7.82
145	144	Shell-Thick	SLE-RARA	-0.0522	0.5877	21.69	-6.32
145	144	Shell-Thick	SLE-RARA	-0.3799	-0.5356	22.85	-6.32
145	144	Shell-Thick	SLE-RARA	-4.8599	-1.3280	22.85	-7.86
145	144	Shell-Thick	SLE-RARA	-4.4840	-0.3205	21.69	-7.86
145	144	Shell-Thick	SLE-FREQ.	-0.0370	0.5913	20.60	-6.32
145	144	Shell-Thick	SLE-FREQ.	-0.3644	-0.5323	21.76	-6.32
145	144	Shell-Thick	SLE-FREQ.	-4.6261	-1.2815	21.76	-7.86
145	144	Shell-Thick	SLE-FREQ.	-4.2502	-0.2739	20.60	-7.86
145	144	Shell-Thick	SLE-QP	0.0089	0.6020	17.32	-6.33
145	144	Shell-Thick	SLE-QP	-0.3181	-0.5225	18.48	-6.33
145	144	Shell-Thick	SLE-QP	-3.9246	-1.1420	18.48	-7.87
145	144	Shell-Thick	SLE-QP	-3.5490	-0.1341	17.32	-7.87
146	145	Shell-Thick	SLU-STATICA	-5.7871	-0.2537	20.80	-10.03
146	145	Shell-Thick	SLU-STATICA	-6.5230	-1.9216	21.87	-10.03
146	145	Shell-Thick	SLU-STATICA	-10.8141	-2.6843	21.87	-11.46
146	145	Shell-Thick	SLU-STATICA	-10.0333	-1.1239	20.80	-11.46
146	145	Shell-Thick	SLU-SISMICA	-11.5535	-1.6130	39.75	-7.68
146	145	Shell-Thick	SLU-SISMICA	-12.1249	-2.8890	40.56	-7.68
146	145	Shell-Thick	SLU-SISMICA	-20.1770	-4.4398	40.56	-8.76
146	145	Shell-Thick	SLU-SISMICA	-19.5710	-3.2469	39.75	-8.76
146	145	Shell-Thick	SLE-RARA	-4.3081	-0.1665	15.52	-7.72
146	145	Shell-Thick	SLE-RARA	-4.8741	-1.4496	16.34	-7.72
146	145	Shell-Thick	SLE-RARA	-8.0789	-2.0169	16.34	-8.81
146	145	Shell-Thick	SLE-RARA	-7.4784	-0.8164	15.52	-8.81
146	145	Shell-Thick	SLE-FREQ.	-4.0749	-0.1199	14.74	-7.72
146	145	Shell-Thick	SLE-FREQ.	-4.6407	-1.4033	15.56	-7.72
146	145	Shell-Thick	SLE-FREQ.	-7.6895	-1.9389	15.56	-8.82
146	145	Shell-Thick	SLE-FREQ.	-7.0892	-0.7382	14.74	-8.82
146	145	Shell-Thick	SLE-QP	-3.3752	0.0198	12.40	-7.73
146	145	Shell-Thick	SLE-QP	-3.9405	-1.2643	13.22	-7.73
146	145	Shell-Thick	SLE-QP	-6.5213	-1.7049	13.22	-8.82
146	145	Shell-Thick	SLE-QP	-5.9214	-0.5034	12.40	-8.82
147	146	Shell-Thick	SLU-STATICA	-9.8841	-0.9920	12.49	-11.33
147	146	Shell-Thick	SLU-STATICA	-10.8294	-2.7894	13.13	-11.33
147	146	Shell-Thick	SLU-STATICA	-13.4059	-3.2379	13.13	-12.18
147	146	Shell-Thick	SLU-STATICA	-12.4346	-1.5029	12.49	-12.18
147	146	Shell-Thick	SLU-SISMICA	-19.4439	-3.1450	23.86	-8.67
147	146	Shell-Thick	SLU-SISMICA	-20.1813	-4.5172	24.34	-8.67
147	146	Shell-Thick	SLU-SISMICA	-25.0122	-5.4188	24.34	-9.31
147	146	Shell-Thick	SLU-SISMICA	-24.2568	-4.0896	23.86	-9.31
147	146	Shell-Thick	SLE-RARA	-7.3639	-0.7150	9.32	-8.72
147	146	Shell-Thick	SLE-RARA	-8.0908	-2.0977	9.81	-8.72
147	146	Shell-Thick	SLE-RARA	-10.0151	-2.4315	9.81	-9.37
147	146	Shell-Thick	SLE-RARA	-9.2682	-1.0968	9.32	-9.37
147	146	Shell-Thick	SLE-FREQ.	-6.9750	-0.6367	8.85	-8.72
147	146	Shell-Thick	SLE-FREQ.	-7.7016	-2.0199	9.34	-8.72
147	146	Shell-Thick	SLE-FREQ.	-9.5324	-2.3354	9.34	-9.37
147	146	Shell-Thick	SLE-FREQ.	-8.7857	-1.0005	8.85	-9.37
147	146	Shell-Thick	SLE-QP	-5.8085	-0.4021	7.45	-8.73
147	146	Shell-Thick	SLE-QP	-6.5341	-1.7862	7.94	-8.73
147	146	Shell-Thick	SLE-QP	-8.0842	-2.0469	7.94	-9.38
147	146	Shell-Thick	SLE-QP	-7.3383	-0.7114	7.45	-9.38
148	147	Shell-Thick	SLU-STATICA	-12.3617	-1.4375	4.17	-12.12
148	147	Shell-Thick	SLU-STATICA	-13.4141	-3.2904	4.38	-12.12
148	147	Shell-Thick	SLU-STATICA	-14.2737	-3.4449	4.38	-12.40
148	147	Shell-Thick	SLU-STATICA	-13.2122	-1.6140	4.17	-12.40
148	147	Shell-Thick	SLU-SISMICA	-24.1958	-4.0392	7.96	-9.27
148	147	Shell-Thick	SLU-SISMICA	-25.0141	-5.4574	8.12	-9.27
148	147	Shell-Thick	SLU-SISMICA	-26.6263	-5.7790	8.12	-9.48
148	147	Shell-Thick	SLU-SISMICA	-25.8000	-4.3802	7.96	-9.48
148	147	Shell-Thick	SLE-RARA	-9.2122	-1.0465	3.11	-9.32
148	147	Shell-Thick	SLE-RARA	-10.0216	-2.4719	3.27	-9.32
148	147	Shell-Thick	SLE-RARA	-10.6636	-2.5867	3.27	-9.54
148	147	Shell-Thick	SLE-RARA	-9.8472	-1.1781	3.11	-9.54
148	147	Shell-Thick	SLE-FREQ.	-8.7299	-0.9501	2.95	-9.33

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148	147	Shell-Thick	SLE-FREQ.	-9.5390	-2.3758	3.12	-9.33
148	147	Shell-Thick	SLE-FREQ.	-10.1498	-2.4840	3.12	-9.54
148	147	Shell-Thick	SLE-FREQ.	-9.3337	-1.0750	2.95	-9.54
148	147	Shell-Thick	SLE-QP	-7.2830	-0.6612	2.49	-9.33
148	147	Shell-Thick	SLE-QP	-8.0912	-2.0875	2.65	-9.33
148	147	Shell-Thick	SLE-QP	-8.6084	-2.1757	2.65	-9.55
148	147	Shell-Thick	SLE-QP	-7.7932	-0.7658	2.49	-9.55
149	148	Shell-Thick	SLU-STATICA	-13.2122	-1.6140	-4.17	-12.40
149	148	Shell-Thick	SLU-STATICA	-14.2737	-3.4449	-4.38	-12.40
149	148	Shell-Thick	SLU-STATICA	-13.4141	-3.2904	-4.38	-12.12
149	148	Shell-Thick	SLU-STATICA	-12.3617	-1.4375	-4.17	-12.12
149	148	Shell-Thick	SLU-SISMICA	-25.8000	-4.3802	-7.96	-9.48
149	148	Shell-Thick	SLU-SISMICA	-26.6263	-5.7790	-8.12	-9.48
149	148	Shell-Thick	SLU-SISMICA	-25.0141	-5.4574	-8.12	-9.27
149	148	Shell-Thick	SLU-SISMICA	-24.1958	-4.0392	-7.96	-9.27
149	148	Shell-Thick	SLE-RARA	-9.8472	-1.1781	-3.11	-9.54
149	148	Shell-Thick	SLE-RARA	-10.6636	-2.5867	-3.27	-9.54
149	148	Shell-Thick	SLE-RARA	-10.0216	-2.4719	-3.27	-9.32
149	148	Shell-Thick	SLE-RARA	-9.2122	-1.0465	-3.11	-9.32
149	148	Shell-Thick	SLE-FREQ.	-9.3337	-1.0750	-2.95	-9.54
149	148	Shell-Thick	SLE-FREQ.	-10.1498	-2.4840	-3.12	-9.54
149	148	Shell-Thick	SLE-FREQ.	-9.5390	-2.3758	-3.12	-9.33
149	148	Shell-Thick	SLE-FREQ.	-8.7299	-0.9501	-2.95	-9.33
149	148	Shell-Thick	SLE-QP	-7.7932	-0.7658	-2.49	-9.55
149	148	Shell-Thick	SLE-QP	-8.6084	-2.1757	-2.65	-9.55
149	148	Shell-Thick	SLE-QP	-8.0912	-2.0875	-2.65	-9.33
149	148	Shell-Thick	SLE-QP	-7.2830	-0.6612	-2.49	-9.33
150	149	Shell-Thick	SLU-STATICA	-12.4346	-1.5029	-12.49	-12.18
150	149	Shell-Thick	SLU-STATICA	-13.4059	-3.2379	-13.13	-12.18
150	149	Shell-Thick	SLU-STATICA	-10.8294	-2.7894	-13.13	-11.33
150	149	Shell-Thick	SLU-STATICA	-9.8841	-0.9920	-12.49	-11.33
150	149	Shell-Thick	SLU-SISMICA	-24.2568	-4.0896	-23.86	-9.31
150	149	Shell-Thick	SLU-SISMICA	-25.0122	-5.4188	-24.34	-9.31
150	149	Shell-Thick	SLU-SISMICA	-20.1813	-4.5172	-24.34	-8.67
150	149	Shell-Thick	SLU-SISMICA	-19.4439	-3.1450	-23.86	-8.67
150	149	Shell-Thick	SLE-RARA	-9.2682	-1.0968	-9.32	-9.37
150	149	Shell-Thick	SLE-RARA	-10.0151	-2.4315	-9.81	-9.37
150	149	Shell-Thick	SLE-RARA	-8.0908	-2.0977	-9.81	-8.72
150	149	Shell-Thick	SLE-RARA	-7.3639	-0.7150	-9.32	-8.72
150	149	Shell-Thick	SLE-FREQ.	-8.7857	-1.0005	-8.85	-9.37
150	149	Shell-Thick	SLE-FREQ.	-9.5324	-2.3354	-9.34	-9.37
150	149	Shell-Thick	SLE-FREQ.	-7.7016	-2.0199	-9.34	-8.72
150	149	Shell-Thick	SLE-FREQ.	-6.9750	-0.6367	-8.85	-8.72
150	149	Shell-Thick	SLE-QP	-7.3383	-0.7114	-7.45	-9.38
150	149	Shell-Thick	SLE-QP	-8.0842	-2.0469	-7.94	-9.38
150	149	Shell-Thick	SLE-QP	-6.5341	-1.7862	-7.94	-8.73
150	149	Shell-Thick	SLE-QP	-5.8085	-0.4021	-7.45	-8.73
151	150	Shell-Thick	SLU-STATICA	-10.0333	-1.1239	-20.80	-11.46
151	150	Shell-Thick	SLU-STATICA	-10.8141	-2.6843	-21.87	-11.46
151	150	Shell-Thick	SLU-STATICA	-6.5230	-1.9216	-21.87	-10.03
151	150	Shell-Thick	SLU-STATICA	-5.7871	-0.2537	-20.80	-10.03
151	150	Shell-Thick	SLU-SISMICA	-19.5710	-3.2469	-39.75	-8.76
151	150	Shell-Thick	SLU-SISMICA	-20.1770	-4.4398	-40.56	-8.76
151	150	Shell-Thick	SLU-SISMICA	-12.1249	-2.8890	-40.56	-7.68
151	150	Shell-Thick	SLU-SISMICA	-11.5535	-1.6130	-39.75	-7.68
151	150	Shell-Thick	SLE-RARA	-7.4784	-0.8164	-15.52	-8.81
151	150	Shell-Thick	SLE-RARA	-8.0789	-2.0169	-16.34	-8.81
151	150	Shell-Thick	SLE-RARA	-4.8741	-1.4496	-16.34	-7.72
151	150	Shell-Thick	SLE-RARA	-4.3081	-0.1665	-15.52	-7.72
151	150	Shell-Thick	SLE-FREQ.	-7.0892	-0.7382	-14.74	-8.82
151	150	Shell-Thick	SLE-FREQ.	-7.6895	-1.9389	-15.56	-8.82
151	150	Shell-Thick	SLE-FREQ.	-4.6407	-1.4033	-15.56	-7.72
151	150	Shell-Thick	SLE-FREQ.	-4.0749	-0.1199	-14.74	-7.72
151	150	Shell-Thick	SLE-QP	-5.9214	-0.5034	-12.40	-8.82
151	150	Shell-Thick	SLE-QP	-6.5213	-1.7049	-13.22	-8.82
151	150	Shell-Thick	SLE-QP	-3.9405	-1.2643	-13.22	-7.73
151	150	Shell-Thick	SLE-QP	-3.3752	0.0198	-12.40	-7.73
152	151	Shell-Thick	SLU-STATICA	-6.0162	-0.4539	-29.07	-10.22
152	151	Shell-Thick	SLU-STATICA	-6.5049	-1.7636	-30.57	-10.22

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152	151	Shell-Thick	SLU-STATICA	-0.5062	-0.6989	-30.57	-8.22
152	151	Shell-Thick	SLU-STATICA	-0.0801	0.7611	-29.07	-8.22
152	151	Shell-Thick	SLU-SISMICA	-11.7457	-1.7678	-55.61	-7.82
152	151	Shell-Thick	SLU-SISMICA	-12.1239	-2.7725	-56.76	-7.82
152	151	Shell-Thick	SLU-SISMICA	-0.8595	-0.6372	-56.76	-6.29
152	151	Shell-Thick	SLU-SISMICA	-0.5268	0.4765	-55.61	-6.29
152	151	Shell-Thick	SLE-RARA	-4.4840	-0.3205	-21.69	-7.86
152	151	Shell-Thick	SLE-RARA	-4.8599	-1.3280	-22.85	-7.86
152	151	Shell-Thick	SLE-RARA	-0.3799	-0.5356	-22.85	-6.32
152	151	Shell-Thick	SLE-RARA	-0.0522	0.5877	-21.69	-6.32
152	151	Shell-Thick	SLE-FREQ.	-4.2502	-0.2739	-20.60	-7.86
152	151	Shell-Thick	SLE-FREQ.	-4.6261	-1.2815	-21.76	-7.86
152	151	Shell-Thick	SLE-FREQ.	-0.3644	-0.5323	-21.76	-6.32
152	151	Shell-Thick	SLE-FREQ.	-0.0370	0.5913	-20.60	-6.32
152	151	Shell-Thick	SLE-QP	-3.5490	-0.1341	-17.32	-7.87
152	151	Shell-Thick	SLE-QP	-3.9246	-1.1420	-18.48	-7.87
152	151	Shell-Thick	SLE-QP	-0.3181	-0.5225	-18.48	-6.33
152	151	Shell-Thick	SLE-QP	0.0089	0.6020	-17.32	-6.33
153	152	Shell-Thick	SLU-STATICA	-0.3971	0.4898	-37.30	-8.47
153	152	Shell-Thick	SLU-STATICA	-0.4882	-0.4874	-39.25	-8.47
153	152	Shell-Thick	SLU-STATICA	7.2122	0.9039	-39.25	-5.87
153	152	Shell-Thick	SLU-STATICA	7.2202	2.0803	-37.30	-5.87
153	152	Shell-Thick	SLU-SISMICA	-0.7950	0.2663	-71.45	-6.48
153	152	Shell-Thick	SLU-SISMICA	-0.8614	-0.4810	-72.94	-6.48
153	152	Shell-Thick	SLU-SISMICA	13.6156	2.3177	-72.94	-4.49
153	152	Shell-Thick	SLU-SISMICA	13.6184	3.2176	-71.45	-4.49
153	152	Shell-Thick	SLE-RARA	-0.2956	0.3790	-27.83	-6.51
153	152	Shell-Thick	SLE-RARA	-0.3657	-0.3728	-29.33	-6.51
153	152	Shell-Thick	SLE-RARA	5.3848	0.6625	-29.33	-4.51
153	152	Shell-Thick	SLE-RARA	5.3910	1.5676	-27.83	-4.51
153	152	Shell-Thick	SLE-FREQ.	-0.2795	0.3826	-26.43	-6.52
153	152	Shell-Thick	SLE-FREQ.	-0.3498	-0.3693	-27.93	-6.52
153	152	Shell-Thick	SLE-FREQ.	5.1199	0.6092	-27.93	-4.52
153	152	Shell-Thick	SLE-FREQ.	5.1262	1.5145	-26.43	-4.52
153	152	Shell-Thick	SLE-QP	-0.2313	0.3935	-22.21	-6.52
153	152	Shell-Thick	SLE-QP	-0.3019	-0.3588	-23.72	-6.52
153	152	Shell-Thick	SLE-QP	4.3251	0.4494	-23.72	-4.52
153	152	Shell-Thick	SLE-QP	4.3317	1.3551	-22.21	-4.52
154	153	Shell-Thick	SLU-STATICA	6.8098	1.7345	-45.48	-6.19
154	153	Shell-Thick	SLU-STATICA	7.2244	1.1701	-47.89	-6.19
154	153	Shell-Thick	SLU-STATICA	16.6169	2.8755	-47.89	-2.97
154	153	Shell-Thick	SLU-STATICA	16.0993	3.6870	-45.48	-2.97
154	153	Shell-Thick	SLU-SISMICA	13.2744	2.9495	-87.24	-4.73
154	153	Shell-Thick	SLU-SISMICA	13.6055	2.5150	-89.08	-4.73
154	153	Shell-Thick	SLU-SISMICA	31.2843	5.9056	-89.08	-2.27
154	153	Shell-Thick	SLU-SISMICA	30.8769	6.5230	-87.24	-2.27
154	153	Shell-Thick	SLE-RARA	5.0759	1.3016	-33.93	-4.76
154	153	Shell-Thick	SLE-RARA	5.3946	0.8674	-35.78	-4.76
154	153	Shell-Thick	SLE-RARA	12.4083	2.1373	-35.78	-2.29
154	153	Shell-Thick	SLE-RARA	12.0103	2.7617	-33.93	-2.29
154	153	Shell-Thick	SLE-FREQ.	4.8120	1.2485	-32.21	-4.76
154	153	Shell-Thick	SLE-FREQ.	5.1303	0.8144	-34.07	-4.76
154	153	Shell-Thick	SLE-FREQ.	11.8007	2.0160	-34.07	-2.29
154	153	Shell-Thick	SLE-FREQ.	11.4031	2.6406	-32.21	-2.29
154	153	Shell-Thick	SLE-QP	4.0203	1.0894	-27.06	-4.76
154	153	Shell-Thick	SLE-QP	4.3374	0.6553	-28.92	-4.76
154	153	Shell-Thick	SLE-QP	9.9780	1.6521	-28.92	-2.29
154	153	Shell-Thick	SLE-QP	9.5812	2.2774	-27.06	-2.29
155	154	Shell-Thick	SLU-STATICA	15.5874	3.2673	-53.66	-3.36
155	154	Shell-Thick	SLU-STATICA	16.6195	3.1934	-56.45	-3.36
155	154	Shell-Thick	SLU-STATICA	27.6986	5.2358	-56.45	0.36
155	154	Shell-Thick	SLU-STATICA	26.5405	5.6120	-53.66	0.36
155	154	Shell-Thick	SLU-SISMICA	30.4500	6.1974	-103.05	-2.56
155	154	Shell-Thick	SLU-SISMICA	31.2650	6.1420	-105.18	-2.56
155	154	Shell-Thick	SLU-SISMICA	52.1467	10.1943	-105.18	0.28
155	154	Shell-Thick	SLU-SISMICA	51.2349	10.4820	-103.05	0.28
155	154	Shell-Thick	SLE-RARA	11.6172	2.4388	-40.03	-2.58
155	154	Shell-Thick	SLE-RARA	12.4108	2.3820	-42.17	-2.58
155	154	Shell-Thick	SLE-RARA	20.6834	3.9030	-42.17	0.28

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155	154	Shell-Thick	SLE-RARA	19.7930	4.1923	-40.03	0.28
155	154	Shell-Thick	SLE-FREQ.	11.0110	2.3178	-38.00	-2.58
155	154	Shell-Thick	SLE-FREQ.	11.8039	2.2610	-40.15	-2.58
155	154	Shell-Thick	SLE-FREQ.	19.6707	3.7004	-40.15	0.28
155	154	Shell-Thick	SLE-FREQ.	18.7809	3.9899	-38.00	0.28
155	154	Shell-Thick	SLE-QP	9.1925	1.9549	-31.91	-2.58
155	154	Shell-Thick	SLE-QP	9.9832	1.8979	-34.06	-2.58
155	154	Shell-Thick	SLE-QP	16.6324	3.0929	-34.06	0.28
155	154	Shell-Thick	SLE-QP	15.7447	3.3825	-31.91	0.28
156	155	Shell-Thick	SLU-STATICA	28.0390	5.9655	56.16	0.56
156	155	Shell-Thick	SLU-STATICA	29.6237	5.5670	60.23	0.56
156	155	Shell-Thick	SLU-STATICA	17.8686	3.3529	60.23	-3.51
156	155	Shell-Thick	SLU-STATICA	16.4952	3.5441	56.16	-3.51
156	155	Shell-Thick	SLU-SISMICA	52.4113	10.7578	104.96	0.43
156	155	Shell-Thick	SLU-SISMICA	53.6553	10.4555	108.07	0.43
156	155	Shell-Thick	SLU-SISMICA	32.2555	6.2828	108.07	-2.67
156	155	Shell-Thick	SLU-SISMICA	31.1706	6.4292	104.96	-2.67
156	155	Shell-Thick	SLE-RARA	20.9452	4.4642	41.96	0.43
156	155	Shell-Thick	SLE-RARA	22.1637	4.1576	45.09	0.43
156	155	Shell-Thick	SLE-RARA	13.3710	2.5043	45.09	-2.70
156	155	Shell-Thick	SLE-RARA	12.3151	2.6514	41.96	-2.70
156	155	Shell-Thick	SLE-FREQ.	19.9323	4.2616	39.93	0.43
156	155	Shell-Thick	SLE-FREQ.	21.1500	3.9549	43.06	0.43
156	155	Shell-Thick	SLE-FREQ.	12.7631	2.3827	43.06	-2.70
156	155	Shell-Thick	SLE-FREQ.	11.7082	2.5298	39.93	-2.70
156	155	Shell-Thick	SLE-QP	16.8938	3.6539	33.84	0.43
156	155	Shell-Thick	SLE-QP	18.1090	3.3467	36.98	0.43
156	155	Shell-Thick	SLE-QP	10.9395	2.0178	36.98	-2.70
156	155	Shell-Thick	SLE-QP	9.8874	2.1650	33.84	-2.70
157	156	Shell-Thick	SLU-STATICA	17.0055	3.9935	47.65	-2.95
157	156	Shell-Thick	SLU-STATICA	17.7257	2.9770	51.04	-2.95
157	156	Shell-Thick	SLU-STATICA	7.7615	1.1100	51.04	-6.34
157	156	Shell-Thick	SLU-STATICA	7.2163	1.9547	47.65	-6.34
157	156	Shell-Thick	SLU-SISMICA	31.5839	6.7749	88.90	-2.25
157	156	Shell-Thick	SLU-SISMICA	32.1521	5.9991	91.48	-2.25
157	156	Shell-Thick	SLU-SISMICA	14.0320	2.4584	91.48	-4.84
157	156	Shell-Thick	SLU-SISMICA	13.5974	3.1031	88.90	-4.84
157	156	Shell-Thick	SLE-RARA	12.7072	2.9971	35.60	-2.27
157	156	Shell-Thick	SLE-RARA	13.2610	2.2150	38.20	-2.27
157	156	Shell-Thick	SLE-RARA	5.8075	0.8214	38.20	-4.88
157	156	Shell-Thick	SLE-RARA	5.3884	1.4713	35.60	-4.88
157	156	Shell-Thick	SLE-FREQ.	12.0996	2.8755	33.88	-2.27
157	156	Shell-Thick	SLE-FREQ.	12.6529	2.0932	36.49	-2.27
157	156	Shell-Thick	SLE-FREQ.	5.5427	0.7687	36.49	-4.88
157	156	Shell-Thick	SLE-FREQ.	5.1242	1.4188	33.88	-4.88
157	156	Shell-Thick	SLE-QP	10.2768	2.5106	28.73	-2.27
157	156	Shell-Thick	SLE-QP	10.8287	1.7278	31.34	-2.27
157	156	Shell-Thick	SLE-QP	4.7485	0.6107	31.34	-4.89
157	156	Shell-Thick	SLE-QP	4.3315	1.2612	28.73	-4.89
158	157	Shell-Thick	SLU-STATICA	7.6318	2.3231	39.05	-5.89
158	157	Shell-Thick	SLU-STATICA	7.6367	0.7998	41.81	-5.89
158	157	Shell-Thick	SLU-STATICA	-0.5259	-0.7115	41.81	-8.65
158	157	Shell-Thick	SLU-STATICA	-0.3914	0.6751	39.05	-8.65
158	157	Shell-Thick	SLU-SISMICA	13.9372	3.3866	72.78	-4.50
158	157	Shell-Thick	SLU-SISMICA	13.9440	2.2252	74.88	-4.50
158	157	Shell-Thick	SLU-SISMICA	-0.8856	-0.6409	74.88	-6.60
158	157	Shell-Thick	SLU-SISMICA	-0.7891	0.4193	72.78	-6.60
158	157	Shell-Thick	SLE-RARA	5.7076	1.7546	29.18	-4.53
158	157	Shell-Thick	SLE-RARA	5.7113	0.5827	31.30	-4.53
158	157	Shell-Thick	SLE-RARA	-0.3948	-0.5454	31.30	-6.65
158	157	Shell-Thick	SLE-RARA	-0.2912	0.5214	29.18	-6.65
158	157	Shell-Thick	SLE-FREQ.	5.4427	1.7021	27.77	-4.53
158	157	Shell-Thick	SLE-FREQ.	5.4463	0.5298	29.90	-4.53
158	157	Shell-Thick	SLE-FREQ.	-0.3790	-0.5423	29.90	-6.65
158	157	Shell-Thick	SLE-FREQ.	-0.2752	0.5246	27.77	-6.65
158	157	Shell-Thick	SLE-QP	4.6480	1.5445	23.56	-4.54
158	157	Shell-Thick	SLE-QP	4.6513	0.3712	25.69	-4.54
158	157	Shell-Thick	SLE-QP	-0.3316	-0.5331	25.69	-6.66
158	157	Shell-Thick	SLE-QP	-0.2271	0.5345	23.56	-6.66



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159	158	Shell-Thick	SLU-STATICA	-0.0695	0.9657	30.42	-8.29
159	158	Shell-Thick	SLU-STATICA	-0.6317	-0.9588	32.55	-8.29
159	158	Shell-Thick	SLU-STATICA	-6.9880	-2.1324	32.55	-10.42
159	158	Shell-Thick	SLU-STATICA	-6.3186	-0.3131	30.42	-10.42
159	158	Shell-Thick	SLU-SISMICA	-0.5253	0.6427	56.64	-6.33
159	158	Shell-Thick	SLU-SISMICA	-0.9600	-0.8264	58.26	-6.33
159	158	Shell-Thick	SLU-SISMICA	-12.5005	-3.0715	58.26	-7.95
159	158	Shell-Thick	SLU-SISMICA	-11.9842	-1.6825	56.64	-7.95
159	158	Shell-Thick	SLE-RARA	-0.0440	0.7448	22.73	-6.38
159	158	Shell-Thick	SLE-RARA	-0.4764	-0.7358	24.37	-6.38
159	158	Shell-Thick	SLE-RARA	-5.2314	-1.6114	24.37	-8.01
159	158	Shell-Thick	SLE-RARA	-4.7165	-0.2117	22.73	-8.01
159	158	Shell-Thick	SLE-FREQ.	-0.0285	0.7481	21.64	-6.38
159	158	Shell-Thick	SLE-FREQ.	-0.4608	-0.7328	23.28	-6.38
159	158	Shell-Thick	SLE-FREQ.	-4.9974	-1.5644	23.28	-8.02
159	158	Shell-Thick	SLE-FREQ.	-4.4825	-0.1643	21.64	-8.02
159	158	Shell-Thick	SLE-QP	0.0180	0.7580	18.36	-6.38
159	158	Shell-Thick	SLE-QP	-0.4141	-0.7241	20.00	-6.38
159	158	Shell-Thick	SLE-QP	-4.2955	-1.4234	20.00	-8.02
159	158	Shell-Thick	SLE-QP	-3.7807	-0.0223	18.36	-8.02
160	159	Shell-Thick	SLU-STATICA	-6.0834	-0.0979	21.76	-10.15
160	159	Shell-Thick	SLU-STATICA	-7.0719	-2.3173	23.27	-10.15
160	159	Shell-Thick	SLU-STATICA	-11.6155	-3.1460	23.27	-11.66
160	159	Shell-Thick	SLU-STATICA	-10.5522	-0.9999	21.76	-11.66
160	159	Shell-Thick	SLU-SISMICA	-11.7902	-1.5172	40.47	-7.75
160	159	Shell-Thick	SLU-SISMICA	-12.5601	-3.2100	41.62	-7.75
160	159	Shell-Thick	SLU-SISMICA	-20.8036	-4.7893	41.62	-8.90
160	159	Shell-Thick	SLU-SISMICA	-19.9793	-3.1498	40.47	-8.90
160	159	Shell-Thick	SLE-RARA	-4.5358	-0.0462	16.26	-7.81
160	159	Shell-Thick	SLE-RARA	-5.2960	-1.7537	17.42	-7.81
160	159	Shell-Thick	SLE-RARA	-8.6951	-2.3721	17.42	-8.97
160	159	Shell-Thick	SLE-RARA	-7.8773	-0.7210	16.26	-8.97
160	159	Shell-Thick	SLE-FREQ.	-4.3023	0.0012	15.48	-7.81
160	159	Shell-Thick	SLE-FREQ.	-5.0622	-1.7068	16.64	-7.81
160	159	Shell-Thick	SLE-FREQ.	-8.3054	-2.2943	16.64	-8.97
160	159	Shell-Thick	SLE-FREQ.	-7.4878	-0.6429	15.48	-8.97
160	159	Shell-Thick	SLE-QP	-3.6018	0.1432	13.14	-7.82
160	159	Shell-Thick	SLE-QP	-4.3607	-1.5662	14.30	-7.82
160	159	Shell-Thick	SLE-QP	-7.1361	-2.0609	14.30	-8.98
160	159	Shell-Thick	SLE-QP	-6.3192	-0.4083	13.14	-8.98
161	160	Shell-Thick	SLU-STATICA	-10.3993	-0.8579	13.07	-11.48
161	160	Shell-Thick	SLU-STATICA	-11.6734	-3.2690	13.97	-11.48
161	160	Shell-Thick	SLU-STATICA	-14.4017	-3.7690	13.97	-12.39
161	160	Shell-Thick	SLU-STATICA	-13.0824	-1.4022	13.07	-12.39
161	160	Shell-Thick	SLU-SISMICA	-19.8542	-3.0409	24.29	-8.77
161	160	Shell-Thick	SLU-SISMICA	-20.8444	-4.8814	24.98	-8.77
161	160	Shell-Thick	SLU-SISMICA	-25.7935	-5.8460	24.98	-9.45
161	160	Shell-Thick	SLU-SISMICA	-24.7682	-4.0397	24.29	-9.45
161	160	Shell-Thick	SLE-RARA	-7.7599	-0.6118	9.76	-8.83
161	160	Shell-Thick	SLE-RARA	-8.7398	-2.4668	10.46	-8.83
161	160	Shell-Thick	SLE-RARA	-10.7809	-2.8397	10.46	-9.53
161	160	Shell-Thick	SLE-RARA	-9.7663	-1.0188	9.76	-9.53
161	160	Shell-Thick	SLE-FREQ.	-7.3706	-0.5336	9.29	-8.84
161	160	Shell-Thick	SLE-FREQ.	-8.3501	-2.3891	9.99	-8.84
161	160	Shell-Thick	SLE-FREQ.	-10.2976	-2.7429	9.99	-9.53
161	160	Shell-Thick	SLE-FREQ.	-9.2834	-0.9215	9.29	-9.53
161	160	Shell-Thick	SLE-QP	-6.2027	-0.2991	7.89	-8.84
161	160	Shell-Thick	SLE-QP	-7.1813	-2.1559	8.59	-8.84
161	160	Shell-Thick	SLE-QP	-8.8479	-2.4526	8.59	-9.54
161	160	Shell-Thick	SLE-QP	-7.8347	-0.6298	7.89	-9.54
162	161	Shell-Thick	SLU-STATICA	-13.0069	-1.3316	4.36	-12.30
162	161	Shell-Thick	SLU-STATICA	-14.4315	-3.8305	4.66	-12.30
162	161	Shell-Thick	SLU-STATICA	-15.3408	-3.9930	4.66	-12.60
162	161	Shell-Thick	SLU-STATICA	-13.9018	-1.5082	4.36	-12.60
162	161	Shell-Thick	SLU-SISMICA	-24.7057	-3.9856	8.10	-9.39
162	161	Shell-Thick	SLU-SISMICA	-25.8149	-5.8919	8.33	-9.39
162	161	Shell-Thick	SLU-SISMICA	-27.4631	-6.1980	8.33	-9.62
162	161	Shell-Thick	SLU-SISMICA	-26.3447	-4.3008	8.10	-9.62
162	161	Shell-Thick	SLE-RARA	-9.7083	-0.9645	3.26	-9.46

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162	161	Shell-Thick	SLE-RARA	-10.8038	-2.8870	3.49	-9.46
162	161	Shell-Thick	SLE-RARA	-11.4841	-3.0083	3.49	-9.69
162	161	Shell-Thick	SLE-RARA	-10.3774	-1.0967	3.26	-9.69
162	161	Shell-Thick	SLE-FREQ.	-9.2255	-0.8672	3.10	-9.46
162	161	Shell-Thick	SLE-FREQ.	-10.3206	-2.7903	3.33	-9.46
162	161	Shell-Thick	SLE-FREQ.	-10.9698	-2.9057	3.33	-9.70
162	161	Shell-Thick	SLE-FREQ.	-9.8635	-0.9936	3.10	-9.70
162	161	Shell-Thick	SLE-QP	-7.7773	-0.5755	2.63	-9.47
162	161	Shell-Thick	SLE-QP	-8.8711	-2.5001	2.86	-9.47
162	161	Shell-Thick	SLE-QP	-9.4268	-2.5977	2.86	-9.70
162	161	Shell-Thick	SLE-QP	-8.3216	-0.6842	2.63	-9.70
163	162	Shell-Thick	SLU-STATICA	-13.9018	-1.5082	-4.36	-12.60
163	162	Shell-Thick	SLU-STATICA	-15.3408	-3.9930	-4.66	-12.60
163	162	Shell-Thick	SLU-STATICA	-14.4315	-3.8305	-4.66	-12.30
163	162	Shell-Thick	SLU-STATICA	-13.0069	-1.3316	-4.36	-12.30
163	162	Shell-Thick	SLU-SISMICA	-26.3447	-4.3008	-8.10	-9.62
163	162	Shell-Thick	SLU-SISMICA	-27.4631	-6.1980	-8.33	-9.62
163	162	Shell-Thick	SLU-SISMICA	-25.8149	-5.8919	-8.33	-9.39
163	162	Shell-Thick	SLU-SISMICA	-24.7057	-3.9856	-8.10	-9.39
163	162	Shell-Thick	SLE-RARA	-10.3774	-1.0967	-3.26	-9.69
163	162	Shell-Thick	SLE-RARA	-11.4841	-3.0083	-3.49	-9.69
163	162	Shell-Thick	SLE-RARA	-10.8038	-2.8870	-3.49	-9.46
163	162	Shell-Thick	SLE-RARA	-9.7083	-0.9645	-3.26	-9.46
163	162	Shell-Thick	SLE-FREQ.	-9.8635	-0.9936	-3.10	-9.70
163	162	Shell-Thick	SLE-FREQ.	-10.9698	-2.9057	-3.33	-9.70
163	162	Shell-Thick	SLE-FREQ.	-10.3206	-2.7903	-3.33	-9.46
163	162	Shell-Thick	SLE-FREQ.	-9.2255	-0.8672	-3.10	-9.46
163	162	Shell-Thick	SLE-QP	-8.3216	-0.6842	-2.63	-9.70
163	162	Shell-Thick	SLE-QP	-9.4268	-2.5977	-2.86	-9.70
163	162	Shell-Thick	SLE-QP	-8.8711	-2.5001	-2.86	-9.47
163	162	Shell-Thick	SLE-QP	-7.7773	-0.5755	-2.63	-9.47
164	163	Shell-Thick	SLU-STATICA	-13.0824	-1.4022	-13.07	-12.39
164	163	Shell-Thick	SLU-STATICA	-14.4017	-3.7690	-13.97	-12.39
164	163	Shell-Thick	SLU-STATICA	-11.6734	-3.2690	-13.97	-11.48
164	163	Shell-Thick	SLU-STATICA	-10.3993	-0.8579	-13.07	-11.48
164	163	Shell-Thick	SLU-SISMICA	-24.7682	-4.0397	-24.29	-9.45
164	163	Shell-Thick	SLU-SISMICA	-25.7935	-5.8460	-24.98	-9.45
164	163	Shell-Thick	SLU-SISMICA	-20.8444	-4.8814	-24.98	-8.77
164	163	Shell-Thick	SLU-SISMICA	-19.8542	-3.0409	-24.29	-8.77
164	163	Shell-Thick	SLE-RARA	-9.7663	-1.0188	-9.76	-9.53
164	163	Shell-Thick	SLE-RARA	-10.7809	-2.8397	-10.46	-9.53
164	163	Shell-Thick	SLE-RARA	-8.7398	-2.4668	-10.46	-8.83
164	163	Shell-Thick	SLE-RARA	-7.7599	-0.6118	-9.76	-8.83
164	163	Shell-Thick	SLE-FREQ.	-9.2834	-0.9215	-9.29	-9.53
164	163	Shell-Thick	SLE-FREQ.	-10.2976	-2.7429	-9.99	-9.53
164	163	Shell-Thick	SLE-FREQ.	-8.3501	-2.3891	-9.99	-8.84
164	163	Shell-Thick	SLE-FREQ.	-7.3706	-0.5336	-9.29	-8.84
164	163	Shell-Thick	SLE-QP	-7.8347	-0.6298	-7.89	-9.54
164	163	Shell-Thick	SLE-QP	-8.8479	-2.4526	-8.59	-9.54
164	163	Shell-Thick	SLE-QP	-7.1813	-2.1559	-8.59	-8.84
164	163	Shell-Thick	SLE-QP	-6.2027	-0.2991	-7.89	-8.84
165	164	Shell-Thick	SLU-STATICA	-10.5522	-0.9999	-21.76	-11.66
165	164	Shell-Thick	SLU-STATICA	-11.6155	-3.1460	-23.27	-11.66
165	164	Shell-Thick	SLU-STATICA	-7.0719	-2.3173	-23.27	-10.15
165	164	Shell-Thick	SLU-STATICA	-6.0834	-0.0979	-21.76	-10.15
165	164	Shell-Thick	SLU-SISMICA	-19.9793	-3.1498	-40.47	-8.90
165	164	Shell-Thick	SLU-SISMICA	-20.8036	-4.7893	-41.62	-8.90
165	164	Shell-Thick	SLU-SISMICA	-12.5601	-3.2100	-41.62	-7.75
165	164	Shell-Thick	SLU-SISMICA	-11.7902	-1.5172	-40.47	-7.75
165	164	Shell-Thick	SLE-RARA	-7.8773	-0.7210	-16.26	-8.97
165	164	Shell-Thick	SLE-RARA	-8.6951	-2.3721	-17.42	-8.97
165	164	Shell-Thick	SLE-RARA	-5.2960	-1.7537	-17.42	-7.81
165	164	Shell-Thick	SLE-RARA	-4.5358	-0.0462	-16.26	-7.81
165	164	Shell-Thick	SLE-FREQ.	-7.4878	-0.6429	-15.48	-8.97
165	164	Shell-Thick	SLE-FREQ.	-8.3054	-2.2943	-16.64	-8.97
165	164	Shell-Thick	SLE-FREQ.	-5.0622	-1.7068	-16.64	-7.81
165	164	Shell-Thick	SLE-FREQ.	-4.3023	0.0012	-15.48	-7.81
165	164	Shell-Thick	SLE-QP	-6.3192	-0.4083	-13.14	-8.98
165	164	Shell-Thick	SLE-QP	-7.1361	-2.0609	-14.30	-8.98



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165	164	Shell-Thick	SLE-QP	-4.3607	-1.5662	-14.30	-7.82
165	164	Shell-Thick	SLE-QP	-3.6018	0.1432	-13.14	-7.82
166	165	Shell-Thick	SLU-STATICA	-6.3186	-0.3131	-30.42	-10.42
166	165	Shell-Thick	SLU-STATICA	-6.9880	-2.1324	-32.55	-10.42
166	165	Shell-Thick	SLU-STATICA	-0.6317	-0.9588	-32.55	-8.29
166	165	Shell-Thick	SLU-STATICA	-0.0695	0.9657	-30.42	-8.29
166	165	Shell-Thick	SLU-SISMICA	-11.9842	-1.6825	-56.64	-7.95
166	165	Shell-Thick	SLU-SISMICA	-12.5005	-3.0715	-58.26	-7.95
166	165	Shell-Thick	SLU-SISMICA	-0.9600	-0.8264	-58.26	-6.33
166	165	Shell-Thick	SLU-SISMICA	-0.5253	0.6427	-56.64	-6.33
166	165	Shell-Thick	SLE-RARA	-4.7165	-0.2117	-22.73	-8.01
166	165	Shell-Thick	SLE-RARA	-5.2314	-1.6114	-24.37	-8.01
166	165	Shell-Thick	SLE-RARA	-0.4764	-0.7358	-24.37	-6.38
166	165	Shell-Thick	SLE-RARA	-0.0439	0.7448	-22.73	-6.38
166	165	Shell-Thick	SLE-FREQ.	-4.4825	-0.1643	-21.64	-8.02
166	165	Shell-Thick	SLE-FREQ.	-4.9974	-1.5644	-23.28	-8.02
166	165	Shell-Thick	SLE-FREQ.	-0.4608	-0.7328	-23.28	-6.38
166	165	Shell-Thick	SLE-FREQ.	-0.0285	0.7481	-21.64	-6.38
166	165	Shell-Thick	SLE-QP	-3.7807	-0.0223	-18.36	-8.02
166	165	Shell-Thick	SLE-QP	-4.2955	-1.4234	-20.00	-8.02
166	165	Shell-Thick	SLE-QP	-0.4141	-0.7241	-20.00	-6.38
166	165	Shell-Thick	SLE-QP	0.0180	0.7580	-18.36	-6.38
167	166	Shell-Thick	SLU-STATICA	-0.3914	0.6751	-39.05	-8.65
167	166	Shell-Thick	SLU-STATICA	-0.5259	-0.7115	-41.81	-8.65
167	166	Shell-Thick	SLU-STATICA	7.6367	0.7998	-41.81	-5.89
167	166	Shell-Thick	SLU-STATICA	7.6318	2.3231	-39.05	-5.89
167	166	Shell-Thick	SLU-SISMICA	-0.7891	0.4193	-72.78	-6.60
167	166	Shell-Thick	SLU-SISMICA	-0.8856	-0.6409	-74.88	-6.60
167	166	Shell-Thick	SLU-SISMICA	13.9440	2.2252	-74.88	-4.50
167	166	Shell-Thick	SLU-SISMICA	13.9372	3.3866	-72.78	-4.50
167	166	Shell-Thick	SLE-RARA	-0.2912	0.5214	-29.18	-6.65
167	166	Shell-Thick	SLE-RARA	-0.3948	-0.5454	-31.30	-6.65
167	166	Shell-Thick	SLE-RARA	5.7113	0.5827	-31.30	-4.53
167	166	Shell-Thick	SLE-RARA	5.7076	1.7546	-29.18	-4.53
167	166	Shell-Thick	SLE-FREQ.	-0.2752	0.5246	-27.77	-6.65
167	166	Shell-Thick	SLE-FREQ.	-0.3790	-0.5423	-29.90	-6.65
167	166	Shell-Thick	SLE-FREQ.	5.4463	0.5298	-29.90	-4.53
167	166	Shell-Thick	SLE-FREQ.	5.4427	1.7021	-27.77	-4.53
167	166	Shell-Thick	SLE-QP	-0.2271	0.5345	-23.56	-6.66
167	166	Shell-Thick	SLE-QP	-0.3316	-0.5331	-25.69	-6.66
167	166	Shell-Thick	SLE-QP	4.6513	0.3712	-25.69	-4.54
167	166	Shell-Thick	SLE-QP	4.6480	1.5445	-23.56	-4.54
168	167	Shell-Thick	SLU-STATICA	7.2163	1.9547	-47.65	-6.34
168	167	Shell-Thick	SLU-STATICA	7.7615	1.1100	-51.04	-6.34
168	167	Shell-Thick	SLU-STATICA	17.7257	2.9770	-51.04	-2.95
168	167	Shell-Thick	SLU-STATICA	17.0055	3.9935	-47.65	-2.95
168	167	Shell-Thick	SLU-SISMICA	13.5974	3.1031	-88.90	-4.84
168	167	Shell-Thick	SLU-SISMICA	14.0320	2.4584	-91.48	-4.84
168	167	Shell-Thick	SLU-SISMICA	32.1521	5.9991	-91.48	-2.25
168	167	Shell-Thick	SLU-SISMICA	31.5839	6.7749	-88.90	-2.25
168	167	Shell-Thick	SLE-RARA	5.3884	1.4713	-35.60	-4.88
168	167	Shell-Thick	SLE-RARA	5.8075	0.8214	-38.20	-4.88
168	167	Shell-Thick	SLE-RARA	13.2610	2.2150	-38.20	-2.27
168	167	Shell-Thick	SLE-RARA	12.7072	2.9971	-35.60	-2.27
168	167	Shell-Thick	SLE-FREQ.	5.1242	1.4188	-33.88	-4.88
168	167	Shell-Thick	SLE-FREQ.	5.5427	0.7687	-36.49	-4.88
168	167	Shell-Thick	SLE-FREQ.	12.6529	2.0932	-36.49	-2.27
168	167	Shell-Thick	SLE-FREQ.	12.0996	2.8755	-33.88	-2.27
168	167	Shell-Thick	SLE-QP	4.3315	1.2612	-28.73	-4.89
168	167	Shell-Thick	SLE-QP	4.7485	0.6107	-31.34	-4.89
168	167	Shell-Thick	SLE-QP	10.8287	1.7278	-31.34	-2.27
168	167	Shell-Thick	SLE-QP	10.2768	2.5106	-28.73	-2.27
169	168	Shell-Thick	SLU-STATICA	16.4952	3.5441	-56.16	-3.51
169	168	Shell-Thick	SLU-STATICA	17.8686	3.3529	-60.23	-3.51
169	168	Shell-Thick	SLU-STATICA	29.6237	5.5670	-60.23	0.56
169	168	Shell-Thick	SLU-STATICA	28.0390	5.9655	-56.16	0.56
169	168	Shell-Thick	SLU-SISMICA	31.1706	6.4292	-104.96	-2.67
169	168	Shell-Thick	SLU-SISMICA	32.2555	6.2828	-108.07	-2.67
169	168	Shell-Thick	SLU-SISMICA	53.6553	10.4555	-108.07	0.43

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169	168	Shell-Thick	SLU-SISMICA	52.4113	10.7578	-104.96	0.43
169	168	Shell-Thick	SLE-RARA	12.3151	2.6514	-41.96	-2.70
169	168	Shell-Thick	SLE-RARA	13.3710	2.5043	-45.09	-2.70
169	168	Shell-Thick	SLE-RARA	22.1637	4.1576	-45.09	0.43
169	168	Shell-Thick	SLE-RARA	20.9452	4.4642	-41.96	0.43
169	168	Shell-Thick	SLE-FREQ.	11.7082	2.5298	-39.93	-2.70
169	168	Shell-Thick	SLE-FREQ.	12.7631	2.3827	-43.06	-2.70
169	168	Shell-Thick	SLE-FREQ.	21.1500	3.9549	-43.06	0.43
169	168	Shell-Thick	SLE-FREQ.	19.9323	4.2616	-39.93	0.43
169	168	Shell-Thick	SLE-QP	9.8874	2.1650	-33.84	-2.70
169	168	Shell-Thick	SLE-QP	10.9395	2.0178	-36.98	-2.70
169	168	Shell-Thick	SLE-QP	18.1090	3.3467	-36.98	0.43
169	168	Shell-Thick	SLE-QP	16.8938	3.6539	-33.84	0.43
170	169	Shell-Thick	SLU-STATICA	30.0151	6.3647	59.90	0.57
170	169	Shell-Thick	SLU-STATICA	31.6179	5.9619	64.00	0.57
170	169	Shell-Thick	SLU-STATICA	19.1104	3.5938	64.00	-3.54
170	169	Shell-Thick	SLU-STATICA	17.7231	3.7851	59.90	-3.54
170	169	Shell-Thick	SLU-SISMICA	53.9546	11.0697	107.81	0.44
170	169	Shell-Thick	SLU-SISMICA	55.2112	10.7635	110.94	0.44
170	169	Shell-Thick	SLU-SISMICA	33.2362	6.4649	110.94	-2.69
170	169	Shell-Thick	SLU-SISMICA	32.1443	6.6094	107.81	-2.69
170	169	Shell-Thick	SLE-RARA	22.4648	4.7711	44.83	0.44
170	169	Shell-Thick	SLE-RARA	23.6972	4.4613	47.98	0.44
170	169	Shell-Thick	SLE-RARA	14.3257	2.6897	47.98	-2.72
170	169	Shell-Thick	SLE-RARA	13.2591	2.8369	44.83	-2.72
170	169	Shell-Thick	SLE-FREQ.	21.4512	4.5684	42.80	0.44
170	169	Shell-Thick	SLE-FREQ.	22.6828	4.2584	45.96	0.44
170	169	Shell-Thick	SLE-FREQ.	13.7170	2.5682	45.96	-2.72
170	169	Shell-Thick	SLE-FREQ.	12.6512	2.7155	42.80	-2.72
170	169	Shell-Thick	SLE-QP	18.4104	3.9602	36.72	0.44
170	169	Shell-Thick	SLE-QP	19.6397	3.6498	39.88	0.44
170	169	Shell-Thick	SLE-QP	11.8909	2.2036	39.88	-2.72
170	169	Shell-Thick	SLE-QP	10.8276	2.3512	36.72	-2.72
171	170	Shell-Thick	SLU-STATICA	18.1711	4.2267	50.75	-2.97
171	170	Shell-Thick	SLU-STATICA	18.9019	3.2001	54.19	-2.97
171	170	Shell-Thick	SLU-STATICA	8.3100	1.2089	54.19	-6.41
171	170	Shell-Thick	SLU-STATICA	7.7564	2.0617	50.75	-6.41
171	170	Shell-Thick	SLU-SISMICA	32.4925	6.9453	91.26	-2.26
171	170	Shell-Thick	SLU-SISMICA	33.0681	6.1649	93.88	-2.26
171	170	Shell-Thick	SLU-SISMICA	14.4718	2.5479	93.88	-4.88
171	170	Shell-Thick	SLU-SISMICA	14.0288	3.1984	91.26	-4.88
171	170	Shell-Thick	SLE-RARA	13.6036	3.1767	37.98	-2.29
171	170	Shell-Thick	SLE-RARA	14.1655	2.3868	40.63	-2.29
171	170	Shell-Thick	SLE-RARA	6.2291	0.8972	40.63	-4.94
171	170	Shell-Thick	SLE-RARA	5.8035	1.5534	37.98	-4.94
171	170	Shell-Thick	SLE-FREQ.	12.9956	3.0554	36.27	-2.29
171	170	Shell-Thick	SLE-FREQ.	13.5571	2.2652	38.92	-2.29
171	170	Shell-Thick	SLE-FREQ.	5.9637	0.8441	38.92	-4.94
171	170	Shell-Thick	SLE-FREQ.	5.5388	1.5004	36.27	-4.94
171	170	Shell-Thick	SLE-QP	11.1716	2.6914	31.13	-2.29
171	170	Shell-Thick	SLE-QP	11.7318	1.9003	33.78	-2.29
171	170	Shell-Thick	SLE-QP	5.1678	0.6847	33.78	-4.94
171	170	Shell-Thick	SLE-QP	4.7445	1.3416	31.13	-4.94
172	171	Shell-Thick	SLU-STATICA	8.1200	2.4241	41.58	-5.95
172	171	Shell-Thick	SLU-STATICA	8.1289	0.8831	44.37	-5.95
172	171	Shell-Thick	SLU-STATICA	-0.5444	-0.7439	44.37	-8.75
172	171	Shell-Thick	SLU-STATICA	-0.4106	0.6572	41.58	-8.75
172	171	Shell-Thick	SLU-SISMICA	14.3132	3.4736	74.70	-4.54
172	171	Shell-Thick	SLU-SISMICA	14.3255	2.3003	76.83	-4.54
172	171	Shell-Thick	SLU-SISMICA	-0.8944	-0.6738	76.83	-6.66
172	171	Shell-Thick	SLU-SISMICA	-0.7983	0.3933	74.70	-6.66
172	171	Shell-Thick	SLE-RARA	6.0831	1.8322	31.12	-4.58
172	171	Shell-Thick	SLE-RARA	6.0898	0.6465	33.27	-4.58
172	171	Shell-Thick	SLE-RARA	-0.4092	-0.5702	33.27	-6.73
172	171	Shell-Thick	SLE-RARA	-0.3061	0.5078	31.12	-6.73
172	171	Shell-Thick	SLE-FREQ.	5.8182	1.7793	29.72	-4.58
172	171	Shell-Thick	SLE-FREQ.	5.8248	0.5933	31.87	-4.58
172	171	Shell-Thick	SLE-FREQ.	-0.3935	-0.5669	31.87	-6.73
172	171	Shell-Thick	SLE-FREQ.	-0.2903	0.5115	29.72	-6.73

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172	171	Shell-Thick	SLE-QP	5.0235	1.6208	25.51	-4.59
172	171	Shell-Thick	SLE-QP	5.0295	0.4336	27.66	-4.59
172	171	Shell-Thick	SLE-QP	-0.3467	-0.5569	27.66	-6.74
172	171	Shell-Thick	SLE-QP	-0.2427	0.5226	25.51	-6.74
173	172	Shell-Thick	SLU-STATICA	-0.1276	0.9431	32.37	-8.38
173	172	Shell-Thick	SLU-STATICA	-0.6952	-1.0033	34.53	-8.38
173	172	Shell-Thick	SLU-STATICA	-7.4448	-2.2584	34.53	-10.54
173	172	Shell-Thick	SLU-STATICA	-6.7689	-0.4182	32.37	-10.54
173	172	Shell-Thick	SLU-SISMICA	-0.5763	0.6102	58.12	-6.38
173	172	Shell-Thick	SLU-SISMICA	-1.0156	-0.8705	59.76	-6.38
173	172	Shell-Thick	SLU-SISMICA	-12.8533	-3.1603	59.76	-8.02
173	172	Shell-Thick	SLU-SISMICA	-12.3341	-1.7578	58.12	-8.02
173	172	Shell-Thick	SLE-RARA	-0.0885	0.7278	24.23	-6.45
173	172	Shell-Thick	SLE-RARA	-0.5250	-0.7698	25.89	-6.45
173	172	Shell-Thick	SLE-RARA	-5.5828	-1.7085	25.89	-8.11
173	172	Shell-Thick	SLE-RARA	-5.0628	-0.2926	24.23	-8.11
173	172	Shell-Thick	SLE-FREQ.	-0.0728	0.7316	23.14	-6.45
173	172	Shell-Thick	SLE-FREQ.	-0.5092	-0.7666	24.80	-6.45
173	172	Shell-Thick	SLE-FREQ.	-5.3487	-1.6617	24.80	-8.11
173	172	Shell-Thick	SLE-FREQ.	-4.8287	-0.2455	23.14	-8.11
173	172	Shell-Thick	SLE-QP	-0.0257	0.7429	19.87	-6.46
173	172	Shell-Thick	SLE-QP	-0.4619	-0.7568	21.53	-6.46
173	172	Shell-Thick	SLE-QP	-4.6467	-1.5215	21.53	-8.12
173	172	Shell-Thick	SLE-QP	-4.1266	-0.1040	19.87	-8.12
174	173	Shell-Thick	SLU-STATICA	-6.5624	-0.2063	23.14	-10.27
174	173	Shell-Thick	SLU-STATICA	-7.5617	-2.4524	24.67	-10.27
174	173	Shell-Thick	SLU-STATICA	-12.3857	-3.3503	24.67	-11.80
174	173	Shell-Thick	SLU-STATICA	-11.3094	-1.1797	23.14	-11.80
174	173	Shell-Thick	SLU-SISMICA	-12.1725	-1.5973	41.53	-7.82
174	173	Shell-Thick	SLU-SISMICA	-12.9472	-3.3073	42.69	-7.82
174	173	Shell-Thick	SLU-SISMICA	-21.4054	-4.9585	42.69	-8.98
174	173	Shell-Thick	SLU-SISMICA	-20.5721	-3.3061	41.53	-8.98
174	173	Shell-Thick	SLE-RARA	-4.9041	-0.1296	17.32	-7.90
174	173	Shell-Thick	SLE-RARA	-5.6726	-1.8577	18.50	-7.90
174	173	Shell-Thick	SLE-RARA	-9.2874	-2.5290	18.50	-9.08
174	173	Shell-Thick	SLE-RARA	-8.4596	-0.8590	17.32	-9.08
174	173	Shell-Thick	SLE-FREQ.	-4.6701	-0.0823	16.54	-7.90
174	173	Shell-Thick	SLE-FREQ.	-5.4385	-1.8111	17.72	-7.90
174	173	Shell-Thick	SLE-FREQ.	-8.8974	-2.4508	17.72	-9.08
174	173	Shell-Thick	SLE-FREQ.	-8.0697	-0.7802	16.54	-9.08
174	173	Shell-Thick	SLE-QP	-3.9682	0.0594	14.20	-7.91
174	173	Shell-Thick	SLE-QP	-4.7360	-1.6711	15.39	-7.91
174	173	Shell-Thick	SLE-QP	-7.7272	-2.2162	15.39	-9.09
174	173	Shell-Thick	SLE-QP	-6.9001	-0.5439	14.20	-9.09
175	174	Shell-Thick	SLU-STATICA	-11.1745	-1.0397	13.89	-11.62
175	174	Shell-Thick	SLU-STATICA	-12.4658	-3.4794	14.81	-11.62
175	174	Shell-Thick	SLU-STATICA	-15.3607	-4.0125	14.81	-12.54
175	174	Shell-Thick	SLU-STATICA	-14.0243	-1.6170	13.89	-12.54
175	174	Shell-Thick	SLU-SISMICA	-20.4661	-3.2002	24.92	-8.85
175	174	Shell-Thick	SLU-SISMICA	-21.4699	-5.0562	25.61	-8.85
175	174	Shell-Thick	SLU-SISMICA	-26.5436	-6.0293	25.61	-9.54
175	174	Shell-Thick	SLU-SISMICA	-25.5074	-4.2049	24.92	-9.54
175	174	Shell-Thick	SLE-RARA	-8.3559	-0.7512	10.40	-8.94
175	174	Shell-Thick	SLE-RARA	-9.3490	-2.6283	11.10	-8.94
175	174	Shell-Thick	SLE-RARA	-11.5183	-3.0271	11.10	-9.65
175	174	Shell-Thick	SLE-RARA	-10.4905	-1.1840	10.40	-9.65
175	174	Shell-Thick	SLE-FREQ.	-7.9661	-0.6724	9.93	-8.94
175	174	Shell-Thick	SLE-FREQ.	-8.9588	-2.5502	10.64	-8.94
175	174	Shell-Thick	SLE-FREQ.	-11.0347	-2.9304	10.64	-9.65
175	174	Shell-Thick	SLE-FREQ.	-10.0071	-1.0868	9.93	-9.65
175	174	Shell-Thick	SLE-QP	-6.7967	-0.4359	8.53	-8.95
175	174	Shell-Thick	SLE-QP	-7.7884	-2.3157	9.24	-8.95
175	174	Shell-Thick	SLE-QP	-9.5838	-2.6405	9.24	-9.66
175	174	Shell-Thick	SLE-QP	-8.5570	-0.7951	8.53	-9.66
176	175	Shell-Thick	SLU-STATICA	-13.9579	-1.5474	4.63	-12.45
176	175	Shell-Thick	SLU-STATICA	-15.4013	-4.0769	4.94	-12.45
176	175	Shell-Thick	SLU-STATICA	-16.3668	-4.2579	4.94	-12.75
176	175	Shell-Thick	SLU-STATICA	-14.9079	-1.7436	4.63	-12.75
176	175	Shell-Thick	SLU-SISMICA	-25.4555	-4.1523	8.31	-9.47

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

176	175	Shell-Thick	SLU-SISMICA	-26.5762	-6.0780	8.54	-9.47
176	175	Shell-Thick	SLU-SISMICA	-28.2689	-6.4158	8.54	-9.70
176	175	Shell-Thick	SLU-SISMICA	-27.1355	-4.5026	8.31	-9.70
176	175	Shell-Thick	SLE-RARA	-10.4394	-1.1305	3.47	-9.58
176	175	Shell-Thick	SLE-RARA	-11.5495	-3.0767	3.70	-9.58
176	175	Shell-Thick	SLE-RARA	-12.2730	-3.2119	3.70	-9.81
176	175	Shell-Thick	SLE-RARA	-11.1510	-1.2773	3.47	-9.81
176	175	Shell-Thick	SLE-FREQ.	-9.9561	-1.0332	3.31	-9.58
176	175	Shell-Thick	SLE-FREQ.	-11.0658	-2.9800	3.55	-9.58
176	175	Shell-Thick	SLE-FREQ.	-11.7581	-3.1087	3.55	-9.81
176	175	Shell-Thick	SLE-FREQ.	-10.6365	-1.1735	3.31	-9.81
176	175	Shell-Thick	SLE-QP	-8.5060	-0.7414	2.84	-9.59
176	175	Shell-Thick	SLE-QP	-9.6148	-2.6902	3.08	-9.59
176	175	Shell-Thick	SLE-QP	-10.2135	-2.7993	3.08	-9.82
176	175	Shell-Thick	SLE-QP	-9.0930	-0.8621	2.84	-9.82
177	176	Shell-Thick	SLU-STATICA	-14.9079	-1.7436	-4.63	-12.75
177	176	Shell-Thick	SLU-STATICA	-16.3668	-4.2579	-4.94	-12.75
177	176	Shell-Thick	SLU-STATICA	-15.4013	-4.0769	-4.94	-12.45
177	176	Shell-Thick	SLU-STATICA	-13.9579	-1.5474	-4.63	-12.45
177	176	Shell-Thick	SLU-SISMICA	-27.1355	-4.5026	-8.31	-9.70
177	176	Shell-Thick	SLU-SISMICA	-28.2689	-6.4158	-8.54	-9.70
177	176	Shell-Thick	SLU-SISMICA	-26.5762	-6.0780	-8.54	-9.47
177	176	Shell-Thick	SLU-SISMICA	-25.4555	-4.1523	-8.31	-9.47
177	176	Shell-Thick	SLE-RARA	-11.1510	-1.2773	-3.47	-9.81
177	176	Shell-Thick	SLE-RARA	-12.2730	-3.2119	-3.70	-9.81
177	176	Shell-Thick	SLE-RARA	-11.5495	-3.0767	-3.70	-9.58
177	176	Shell-Thick	SLE-RARA	-10.4394	-1.1305	-3.47	-9.58
177	176	Shell-Thick	SLE-FREQ.	-10.6365	-1.1735	-3.31	-9.81
177	176	Shell-Thick	SLE-FREQ.	-11.7581	-3.1087	-3.55	-9.81
177	176	Shell-Thick	SLE-FREQ.	-11.0658	-2.9800	-3.55	-9.58
177	176	Shell-Thick	SLE-FREQ.	-9.9561	-1.0332	-3.31	-9.58
177	176	Shell-Thick	SLE-QP	-9.0930	-0.8621	-2.84	-9.82
177	176	Shell-Thick	SLE-QP	-10.2135	-2.7993	-3.08	-9.82
177	176	Shell-Thick	SLE-QP	-9.6148	-2.6902	-3.08	-9.59
177	176	Shell-Thick	SLE-QP	-8.5060	-0.7414	-2.84	-9.59
178	177	Shell-Thick	SLU-STATICA	-14.0243	-1.6170	-13.89	-12.54
178	177	Shell-Thick	SLU-STATICA	-15.3607	-4.0125	-14.81	-12.54
178	177	Shell-Thick	SLU-STATICA	-12.4658	-3.4794	-14.81	-11.62
178	177	Shell-Thick	SLU-STATICA	-11.1745	-1.0397	-13.89	-11.62
178	177	Shell-Thick	SLU-SISMICA	-25.5074	-4.2049	-24.92	-9.54
178	177	Shell-Thick	SLU-SISMICA	-26.5436	-6.0293	-25.61	-9.54
178	177	Shell-Thick	SLU-SISMICA	-21.4699	-5.0562	-25.61	-8.85
178	177	Shell-Thick	SLU-SISMICA	-20.4661	-3.2002	-24.92	-8.85
178	177	Shell-Thick	SLE-RARA	-10.4905	-1.1840	-10.40	-9.65
178	177	Shell-Thick	SLE-RARA	-11.5183	-3.0271	-11.10	-9.65
178	177	Shell-Thick	SLE-RARA	-9.3490	-2.6283	-11.10	-8.94
178	177	Shell-Thick	SLE-RARA	-8.3559	-0.7512	-10.40	-8.94
178	177	Shell-Thick	SLE-FREQ.	-10.0071	-1.0868	-9.93	-9.65
178	177	Shell-Thick	SLE-FREQ.	-11.0347	-2.9304	-10.64	-9.65
178	177	Shell-Thick	SLE-FREQ.	-8.9588	-2.5502	-10.64	-8.94
178	177	Shell-Thick	SLE-FREQ.	-7.9661	-0.6724	-9.93	-8.94
178	177	Shell-Thick	SLE-QP	-8.5570	-0.7951	-8.53	-9.66
178	177	Shell-Thick	SLE-QP	-9.5838	-2.6405	-9.24	-9.66
178	177	Shell-Thick	SLE-QP	-7.7884	-2.3157	-9.24	-8.95
178	177	Shell-Thick	SLE-QP	-6.7967	-0.4359	-8.53	-8.95
179	178	Shell-Thick	SLU-STATICA	-11.3094	-1.1797	-23.14	-11.80
179	178	Shell-Thick	SLU-STATICA	-12.3857	-3.3503	-24.67	-11.80
179	178	Shell-Thick	SLU-STATICA	-7.5617	-2.4524	-24.67	-10.27
179	178	Shell-Thick	SLU-STATICA	-6.5624	-0.2063	-23.14	-10.27
179	178	Shell-Thick	SLU-SISMICA	-20.5721	-3.3061	-41.53	-8.98
179	178	Shell-Thick	SLU-SISMICA	-21.4054	-4.9585	-42.69	-8.98
179	178	Shell-Thick	SLU-SISMICA	-12.9472	-3.3073	-42.69	-7.82
179	178	Shell-Thick	SLU-SISMICA	-12.1725	-1.5973	-41.53	-7.82
179	178	Shell-Thick	SLE-RARA	-8.4596	-0.8590	-17.32	-9.08
179	178	Shell-Thick	SLE-RARA	-9.2874	-2.5290	-18.50	-9.08
179	178	Shell-Thick	SLE-RARA	-5.6726	-1.8577	-18.50	-7.90
179	178	Shell-Thick	SLE-RARA	-4.9041	-0.1296	-17.32	-7.90
179	178	Shell-Thick	SLE-FREQ.	-8.0697	-0.7802	-16.54	-9.08
179	178	Shell-Thick	SLE-FREQ.	-8.8974	-2.4508	-17.72	-9.08

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

179	178	Shell-Thick	SLE-FREQ.	-5.4385	-1.8111	-17.72	-7.90
179	178	Shell-Thick	SLE-FREQ.	-4.6701	-0.0823	-16.54	-7.90
179	178	Shell-Thick	SLE-QP	-6.9001	-0.5439	-14.20	-9.09
179	178	Shell-Thick	SLE-QP	-7.7272	-2.2162	-15.39	-9.09
179	178	Shell-Thick	SLE-QP	-4.7360	-1.6711	-15.39	-7.91
179	178	Shell-Thick	SLE-QP	-3.9682	0.0594	-14.20	-7.91
180	179	Shell-Thick	SLU-STATICA	-6.7689	-0.4182	-32.37	-10.54
180	179	Shell-Thick	SLU-STATICA	-7.4448	-2.2584	-34.53	-10.54
180	179	Shell-Thick	SLU-STATICA	-0.6952	-1.0033	-34.53	-8.38
180	179	Shell-Thick	SLU-STATICA	-0.1276	0.9431	-32.37	-8.38
180	179	Shell-Thick	SLU-SISMICA	-12.3341	-1.7578	-58.12	-8.02
180	179	Shell-Thick	SLU-SISMICA	-12.8533	-3.1603	-59.76	-8.02
180	179	Shell-Thick	SLU-SISMICA	-1.0156	-0.8705	-59.76	-6.38
180	179	Shell-Thick	SLU-SISMICA	-0.5763	0.6102	-58.12	-6.38
180	179	Shell-Thick	SLE-RARA	-5.0628	-0.2926	-24.23	-8.11
180	179	Shell-Thick	SLE-RARA	-5.5828	-1.7085	-25.89	-8.11
180	179	Shell-Thick	SLE-RARA	-0.5250	-0.7698	-25.89	-6.45
180	179	Shell-Thick	SLE-RARA	-0.0885	0.7278	-24.23	-6.45
180	179	Shell-Thick	SLE-FREQ.	-4.8287	-0.2455	-23.14	-8.11
180	179	Shell-Thick	SLE-FREQ.	-5.3487	-1.6617	-24.80	-8.11
180	179	Shell-Thick	SLE-FREQ.	-0.5092	-0.7666	-24.80	-6.45
180	179	Shell-Thick	SLE-FREQ.	-0.0728	0.7316	-23.14	-6.45
180	179	Shell-Thick	SLE-QP	-4.1266	-0.1040	-19.87	-8.12
180	179	Shell-Thick	SLE-QP	-4.6467	-1.5215	-21.53	-8.12
180	179	Shell-Thick	SLE-QP	-0.4619	-0.7568	-21.53	-6.46
180	179	Shell-Thick	SLE-QP	-0.0257	0.7429	-19.87	-6.46
181	180	Shell-Thick	SLU-STATICA	-0.4106	0.6572	-41.58	-8.75
181	180	Shell-Thick	SLU-STATICA	-0.5444	-0.7439	-44.37	-8.75
181	180	Shell-Thick	SLU-STATICA	8.1289	0.8831	-44.37	-5.95
181	180	Shell-Thick	SLU-STATICA	8.1200	2.4241	-41.58	-5.95
181	180	Shell-Thick	SLU-SISMICA	-0.7983	0.3933	-74.70	-6.66
181	180	Shell-Thick	SLU-SISMICA	-0.8944	-0.6738	-76.83	-6.66
181	180	Shell-Thick	SLU-SISMICA	14.3255	2.3003	-76.83	-4.54
181	180	Shell-Thick	SLU-SISMICA	14.3132	3.4737	-74.70	-4.54
181	180	Shell-Thick	SLE-RARA	-0.3061	0.5078	-31.12	-6.73
181	180	Shell-Thick	SLE-RARA	-0.4092	-0.5702	-33.27	-6.73
181	180	Shell-Thick	SLE-RARA	6.0898	0.6465	-33.27	-4.58
181	180	Shell-Thick	SLE-RARA	6.0831	1.8322	-31.12	-4.58
181	180	Shell-Thick	SLE-FREQ.	-0.2903	0.5115	-29.72	-6.73
181	180	Shell-Thick	SLE-FREQ.	-0.3935	-0.5669	-31.87	-6.73
181	180	Shell-Thick	SLE-FREQ.	5.8248	0.5933	-31.87	-4.58
181	180	Shell-Thick	SLE-FREQ.	5.8182	1.7793	-29.72	-4.58
181	180	Shell-Thick	SLE-QP	-0.2427	0.5226	-25.51	-6.74
181	180	Shell-Thick	SLE-QP	-0.3467	-0.5569	-27.66	-6.74
181	180	Shell-Thick	SLE-QP	5.0295	0.4336	-27.66	-4.59
181	180	Shell-Thick	SLE-QP	5.0235	1.6208	-25.51	-4.59
182	181	Shell-Thick	SLU-STATICA	7.7564	2.0617	-50.75	-6.41
182	181	Shell-Thick	SLU-STATICA	8.3100	1.2089	-54.19	-6.41
182	181	Shell-Thick	SLU-STATICA	18.9019	3.2001	-54.19	-2.97
182	181	Shell-Thick	SLU-STATICA	18.1711	4.2267	-50.75	-2.97
182	181	Shell-Thick	SLU-SISMICA	14.0288	3.1984	-91.26	-4.88
182	181	Shell-Thick	SLU-SISMICA	14.4718	2.5479	-93.88	-4.88
182	181	Shell-Thick	SLU-SISMICA	33.0681	6.1649	-93.88	-2.26
182	181	Shell-Thick	SLU-SISMICA	32.4925	6.9453	-91.26	-2.26
182	181	Shell-Thick	SLE-RARA	5.8035	1.5534	-37.98	-4.94
182	181	Shell-Thick	SLE-RARA	6.2291	0.8972	-40.63	-4.94
182	181	Shell-Thick	SLE-RARA	14.1655	2.3868	-40.63	-2.29
182	181	Shell-Thick	SLE-RARA	13.6036	3.1767	-37.98	-2.29
182	181	Shell-Thick	SLE-FREQ.	5.5388	1.5004	-36.27	-4.94
182	181	Shell-Thick	SLE-FREQ.	5.9637	0.8441	-38.92	-4.94
182	181	Shell-Thick	SLE-FREQ.	13.5571	2.2652	-38.92	-2.29
182	181	Shell-Thick	SLE-FREQ.	12.9956	3.0554	-36.27	-2.29
182	181	Shell-Thick	SLE-QP	4.7445	1.3416	-31.13	-4.94
182	181	Shell-Thick	SLE-QP	5.1678	0.6847	-33.78	-4.94
182	181	Shell-Thick	SLE-QP	11.7318	1.9003	-33.78	-2.29
182	181	Shell-Thick	SLE-QP	11.1716	2.6914	-31.13	-2.29
183	182	Shell-Thick	SLU-STATICA	17.7231	3.7851	-59.90	-3.54
183	182	Shell-Thick	SLU-STATICA	19.1104	3.5938	-64.00	-3.54
183	182	Shell-Thick	SLU-STATICA	31.6179	5.9619	-64.00	0.57

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

183	182	Shell-Thick	SLU-STATICA	30.0151	6.3647	-59.90	0.57
183	182	Shell-Thick	SLU-SISMICA	32.1443	6.6094	-107.81	-2.69
183	182	Shell-Thick	SLU-SISMICA	33.2362	6.4649	-110.94	-2.69
183	182	Shell-Thick	SLU-SISMICA	55.2112	10.7635	-110.94	0.44
183	182	Shell-Thick	SLU-SISMICA	53.9546	11.0697	-107.81	0.44
183	182	Shell-Thick	SLE-RARA	13.2591	2.8369	-44.83	-2.72
183	182	Shell-Thick	SLE-RARA	14.3257	2.6897	-47.98	-2.72
183	182	Shell-Thick	SLE-RARA	23.6972	4.4613	-47.98	0.44
183	182	Shell-Thick	SLE-RARA	22.4648	4.7711	-44.83	0.44
183	182	Shell-Thick	SLE-FREQ.	12.6512	2.7155	-42.80	-2.72
183	182	Shell-Thick	SLE-FREQ.	13.7170	2.5682	-45.96	-2.72
183	182	Shell-Thick	SLE-FREQ.	22.6828	4.2584	-45.96	0.44
183	182	Shell-Thick	SLE-FREQ.	21.4512	4.5684	-42.80	0.44
183	182	Shell-Thick	SLE-QP	10.8276	2.3512	-36.72	-2.72
183	182	Shell-Thick	SLE-QP	11.8909	2.2036	-39.88	-2.72
183	182	Shell-Thick	SLE-QP	19.6397	3.6498	-39.88	0.44
183	182	Shell-Thick	SLE-QP	18.4104	3.9602	-36.72	0.44
184	183	Shell-Thick	SLU-STATICA	32.0122	6.7664	63.66	0.57
184	183	Shell-Thick	SLU-STATICA	33.6278	6.3616	67.78	0.57
184	183	Shell-Thick	SLU-STATICA	20.3642	3.8438	67.78	-3.55
184	183	Shell-Thick	SLU-STATICA	18.9653	4.0360	63.66	-3.55
184	183	Shell-Thick	SLU-SISMICA	55.5136	11.3820	110.67	0.44
184	183	Shell-Thick	SLU-SISMICA	56.7773	11.0762	113.81	0.44
184	183	Shell-Thick	SLU-SISMICA	34.2287	6.6709	113.81	-2.70
184	183	Shell-Thick	SLU-SISMICA	33.1279	6.8169	110.67	-2.70
184	183	Shell-Thick	SLE-RARA	24.0006	5.0801	47.72	0.44
184	183	Shell-Thick	SLE-RARA	25.2429	4.7686	50.90	0.44
184	183	Shell-Thick	SLE-RARA	15.2896	2.8817	50.90	-2.73
184	183	Shell-Thick	SLE-RARA	14.2141	3.0296	47.72	-2.73
184	183	Shell-Thick	SLE-FREQ.	22.9862	4.8773	45.69	0.44
184	183	Shell-Thick	SLE-FREQ.	24.2279	4.5656	48.87	0.44
184	183	Shell-Thick	SLE-FREQ.	14.6800	2.7597	48.87	-2.74
184	183	Shell-Thick	SLE-FREQ.	13.6053	2.9077	45.69	-2.74
184	183	Shell-Thick	SLE-QP	19.9432	4.2687	39.62	0.44
184	183	Shell-Thick	SLE-QP	21.1827	3.9565	42.80	0.44
184	183	Shell-Thick	SLE-QP	12.8511	2.3938	42.80	-2.74
184	183	Shell-Thick	SLE-QP	11.7789	2.5420	39.62	-2.74
185	184	Shell-Thick	SLU-STATICA	19.3518	4.4677	53.91	-2.99
185	184	Shell-Thick	SLU-STATICA	20.0911	3.4347	57.37	-2.99
185	184	Shell-Thick	SLU-STATICA	8.8645	1.3073	57.37	-6.45
185	184	Shell-Thick	SLU-STATICA	8.3047	2.1641	53.91	-6.45
185	184	Shell-Thick	SLU-SISMICA	33.4115	7.1408	93.67	-2.27
185	184	Shell-Thick	SLU-SISMICA	33.9935	6.3567	96.29	-2.27
185	184	Shell-Thick	SLU-SISMICA	14.9137	2.6200	96.29	-4.90
185	184	Shell-Thick	SLU-SISMICA	14.4680	3.2704	93.67	-4.90
185	184	Shell-Thick	SLE-RARA	14.5116	3.3619	40.41	-2.30
185	184	Shell-Thick	SLE-RARA	15.0801	2.5670	43.08	-2.30
185	184	Shell-Thick	SLE-RARA	6.6552	0.9730	43.08	-4.96
185	184	Shell-Thick	SLE-RARA	6.2250	1.6323	40.41	-4.96
185	184	Shell-Thick	SLE-FREQ.	13.9033	3.2402	38.70	-2.30
185	184	Shell-Thick	SLE-FREQ.	14.4713	2.4450	41.36	-2.30
185	184	Shell-Thick	SLE-FREQ.	6.3894	0.9200	41.36	-4.97
185	184	Shell-Thick	SLE-FREQ.	5.9596	1.5796	38.70	-4.97
185	184	Shell-Thick	SLE-QP	12.0782	2.8753	33.55	-2.30
185	184	Shell-Thick	SLE-QP	12.6449	2.0791	36.22	-2.30
185	184	Shell-Thick	SLE-QP	5.5919	0.7609	36.22	-4.97
185	184	Shell-Thick	SLE-QP	5.1637	1.4214	33.55	-4.97
186	185	Shell-Thick	SLU-STATICA	8.6170	2.5184	44.13	-5.99
186	185	Shell-Thick	SLU-STATICA	8.6279	0.9682	46.95	-5.99
186	185	Shell-Thick	SLU-STATICA	-0.5595	-0.7627	46.95	-8.80
186	185	Shell-Thick	SLU-STATICA	-0.4272	0.6471	44.13	-8.80
186	185	Shell-Thick	SLU-SISMICA	14.6969	3.5355	76.64	-4.55
186	185	Shell-Thick	SLU-SISMICA	14.7103	2.3600	78.78	-4.55
186	185	Shell-Thick	SLU-SISMICA	-0.8978	-0.6768	78.78	-6.68
186	185	Shell-Thick	SLU-SISMICA	-0.8050	0.3946	76.64	-6.68
186	185	Shell-Thick	SLE-RARA	6.4654	1.9049	33.09	-4.61
186	185	Shell-Thick	SLE-RARA	6.4737	0.7121	35.25	-4.61
186	185	Shell-Thick	SLE-RARA	-0.4210	-0.5849	35.25	-6.77
186	185	Shell-Thick	SLE-RARA	-0.3190	0.4999	33.09	-6.77



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

186	185	Shell-Thick	SLE-FREQ.	6.2004	1.8524	31.68	-4.61
186	185	Shell-Thick	SLE-FREQ.	6.2086	0.6591	33.85	-4.61
186	185	Shell-Thick	SLE-FREQ.	-0.4056	-0.5819	33.85	-6.77
186	185	Shell-Thick	SLE-FREQ.	-0.3034	0.5032	31.68	-6.77
186	185	Shell-Thick	SLE-QP	5.4056	1.6950	27.48	-4.61
186	185	Shell-Thick	SLE-QP	5.4132	0.4999	29.65	-4.61
186	185	Shell-Thick	SLE-QP	-0.3596	-0.5730	29.65	-6.78
186	185	Shell-Thick	SLE-QP	-0.2564	0.5134	27.48	-6.78
187	186	Shell-Thick	SLU-STATICA	-0.1851	0.9266	34.35	-8.43
187	186	Shell-Thick	SLU-STATICA	-0.7553	-1.0329	36.52	-8.43
187	186	Shell-Thick	SLU-STATICA	-7.9031	-2.3799	36.52	-10.61
187	186	Shell-Thick	SLU-STATICA	-7.2229	-0.5283	34.35	-10.61
187	186	Shell-Thick	SLU-SISMICA	-0.6278	0.6032	59.62	-6.40
187	186	Shell-Thick	SLU-SISMICA	-1.0666	-0.8837	61.27	-6.40
187	186	Shell-Thick	SLU-SISMICA	-13.2073	-3.2602	61.27	-8.05
187	186	Shell-Thick	SLU-SISMICA	-12.6853	-1.8548	59.62	-8.05
187	186	Shell-Thick	SLE-RARA	-0.1326	0.7150	25.75	-6.49
187	186	Shell-Thick	SLE-RARA	-0.5712	-0.7927	27.42	-6.49
187	186	Shell-Thick	SLE-RARA	-5.9353	-1.8018	27.42	-8.16
187	186	Shell-Thick	SLE-RARA	-5.4120	-0.3771	25.75	-8.16
187	186	Shell-Thick	SLE-FREQ.	-0.1167	0.7186	24.66	-6.49
187	186	Shell-Thick	SLE-FREQ.	-0.5553	-0.7898	26.33	-6.49
187	186	Shell-Thick	SLE-FREQ.	-5.7012	-1.7548	26.33	-8.17
187	186	Shell-Thick	SLE-FREQ.	-5.1779	-0.3296	24.66	-8.17
187	186	Shell-Thick	SLE-QP	-0.0689	0.7293	21.39	-6.50
187	186	Shell-Thick	SLE-QP	-0.5074	-0.7810	23.07	-6.50
187	186	Shell-Thick	SLE-QP	-4.9990	-1.6140	23.07	-8.18
187	186	Shell-Thick	SLE-QP	-4.4755	-0.1869	21.39	-8.18
188	187	Shell-Thick	SLU-STATICA	-7.0463	-0.3211	24.54	-10.33
188	187	Shell-Thick	SLU-STATICA	-8.0539	-2.5819	26.09	-10.33
188	187	Shell-Thick	SLU-STATICA	-13.1600	-3.5377	26.09	-11.88
188	187	Shell-Thick	SLU-STATICA	-12.0753	-1.3524	24.54	-11.88
188	187	Shell-Thick	SLU-SISMICA	-12.5564	-1.7005	42.59	-7.84
188	187	Shell-Thick	SLU-SISMICA	-13.3372	-3.4147	43.76	-7.84
188	187	Shell-Thick	SLU-SISMICA	-22.0072	-5.0947	43.76	-9.01
188	187	Shell-Thick	SLU-SISMICA	-21.1702	-3.4355	42.59	-9.01
188	187	Shell-Thick	SLE-RARA	-5.2760	-0.2176	18.40	-7.95
188	187	Shell-Thick	SLE-RARA	-6.0510	-1.9572	19.59	-7.95
188	187	Shell-Thick	SLE-RARA	-9.8829	-2.6734	19.59	-9.14
188	187	Shell-Thick	SLE-RARA	-9.0486	-0.9919	18.40	-9.14
188	187	Shell-Thick	SLE-FREQ.	-5.0417	-0.1699	17.62	-7.95
188	187	Shell-Thick	SLE-FREQ.	-5.8165	-1.9103	18.81	-7.95
188	187	Shell-Thick	SLE-FREQ.	-9.4926	-2.5954	18.81	-9.14
188	187	Shell-Thick	SLE-FREQ.	-8.6584	-0.9133	17.62	-9.14
188	187	Shell-Thick	SLE-QP	-4.3386	-0.0267	15.29	-7.96
188	187	Shell-Thick	SLE-QP	-5.1129	-1.7695	16.48	-7.96
188	187	Shell-Thick	SLE-QP	-8.3219	-2.3616	16.48	-9.16
188	187	Shell-Thick	SLE-QP	-7.4879	-0.6773	15.29	-9.16
189	188	Shell-Thick	SLU-STATICA	-11.9603	-1.2155	14.73	-11.70
189	188	Shell-Thick	SLU-STATICA	-13.2624	-3.6721	15.66	-11.70
189	188	Shell-Thick	SLU-STATICA	-16.3268	-4.2486	15.66	-12.62
189	188	Shell-Thick	SLU-STATICA	-14.9784	-1.8373	14.73	-12.62
189	188	Shell-Thick	SLU-SISMICA	-21.0867	-3.3337	25.56	-8.88
189	188	Shell-Thick	SLU-SISMICA	-22.0954	-5.1974	26.26	-8.88
189	188	Shell-Thick	SLU-SISMICA	-27.2988	-6.2196	26.26	-9.57
189	188	Shell-Thick	SLU-SISMICA	-26.2546	-4.3906	25.56	-9.57
189	188	Shell-Thick	SLE-RARA	-8.9600	-0.8865	11.04	-9.00
189	188	Shell-Thick	SLE-RARA	-9.9615	-2.7768	11.76	-9.00
189	188	Shell-Thick	SLE-RARA	-12.2612	-3.2085	11.76	-9.71
189	188	Shell-Thick	SLE-RARA	-11.2241	-1.3532	11.04	-9.71
189	188	Shell-Thick	SLE-FREQ.	-8.5697	-0.8077	10.58	-9.00
189	188	Shell-Thick	SLE-FREQ.	-9.5709	-2.6988	11.29	-9.00
189	188	Shell-Thick	SLE-FREQ.	-11.7772	-3.1116	11.29	-9.72
189	188	Shell-Thick	SLE-FREQ.	-10.7403	-1.2554	10.58	-9.72
189	188	Shell-Thick	SLE-QP	-7.3987	-0.5714	9.18	-9.02
189	188	Shell-Thick	SLE-QP	-8.3992	-2.4651	9.89	-9.02
189	188	Shell-Thick	SLE-QP	-10.3251	-2.8208	9.89	-9.73
189	188	Shell-Thick	SLE-QP	-9.2889	-0.9621	9.18	-9.73
190	189	Shell-Thick	SLU-STATICA	-14.9216	-1.7692	4.91	-12.53

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

190	189	Shell-Thick	SLU-STATICA	-16.3786	-4.3157	5.22	-12.53
190	189	Shell-Thick	SLU-STATICA	-17.3998	-4.5045	5.22	-12.84
190	189	Shell-Thick	SLU-STATICA	-15.9279	-1.9727	4.91	-12.84
190	189	Shell-Thick	SLU-SISMICA	-26.2133	-4.3400	8.52	-9.51
190	189	Shell-Thick	SLU-SISMICA	-27.3435	-6.2709	8.75	-9.51
190	189	Shell-Thick	SLU-SISMICA	-29.0767	-6.5993	8.75	-9.74
190	189	Shell-Thick	SLU-SISMICA	-27.9366	-4.6782	8.52	-9.74
190	189	Shell-Thick	SLE-RARA	-11.1804	-1.3007	3.68	-9.64
190	189	Shell-Thick	SLE-RARA	-12.3010	-3.2601	3.92	-9.64
190	189	Shell-Thick	SLE-RARA	-13.0674	-3.4017	3.92	-9.88
190	189	Shell-Thick	SLE-RARA	-11.9353	-1.4536	3.68	-9.88
190	189	Shell-Thick	SLE-FREQ.	-10.6965	-1.2029	3.53	-9.65
190	189	Shell-Thick	SLE-FREQ.	-11.8168	-3.1632	3.76	-9.65
190	189	Shell-Thick	SLE-FREQ.	-12.5521	-3.2988	3.76	-9.88
190	189	Shell-Thick	SLE-FREQ.	-11.4202	-1.3498	3.53	-9.88
190	189	Shell-Thick	SLE-QP	-9.2449	-0.9094	3.06	-9.66
190	189	Shell-Thick	SLE-QP	-10.3642	-2.8725	3.30	-9.66
190	189	Shell-Thick	SLE-QP	-11.0061	-2.9900	3.30	-9.90
190	189	Shell-Thick	SLE-QP	-9.8751	-1.0384	3.06	-9.90
191	190	Shell-Thick	SLU-STATICA	-15.9279	-1.9727	-4.91	-12.84
191	190	Shell-Thick	SLU-STATICA	-17.3998	-4.5045	-5.22	-12.84
191	190	Shell-Thick	SLU-STATICA	-16.3786	-4.3157	-5.22	-12.53
191	190	Shell-Thick	SLU-STATICA	-14.9216	-1.7692	-4.91	-12.53
191	190	Shell-Thick	SLU-SISMICA	-27.9366	-4.6782	-8.52	-9.74
191	190	Shell-Thick	SLU-SISMICA	-29.0767	-6.5993	-8.75	-9.74
191	190	Shell-Thick	SLU-SISMICA	-27.3435	-6.2709	-8.75	-9.51
191	190	Shell-Thick	SLU-SISMICA	-26.2133	-4.3400	-8.52	-9.51
191	190	Shell-Thick	SLE-RARA	-11.9353	-1.4536	-3.68	-9.88
191	190	Shell-Thick	SLE-RARA	-13.0674	-3.4017	-3.92	-9.88
191	190	Shell-Thick	SLE-RARA	-12.3010	-3.2601	-3.92	-9.64
191	190	Shell-Thick	SLE-RARA	-11.1804	-1.3007	-3.68	-9.64
191	190	Shell-Thick	SLE-FREQ.	-11.4202	-1.3498	-3.53	-9.88
191	190	Shell-Thick	SLE-FREQ.	-12.5521	-3.2988	-3.76	-9.88
191	190	Shell-Thick	SLE-FREQ.	-11.8168	-3.1632	-3.76	-9.65
191	190	Shell-Thick	SLE-FREQ.	-10.6965	-1.2029	-3.53	-9.65
191	190	Shell-Thick	SLE-QP	-9.8751	-1.0384	-3.06	-9.90
191	190	Shell-Thick	SLE-QP	-11.0061	-2.9900	-3.30	-9.90
191	190	Shell-Thick	SLE-QP	-10.3642	-2.8725	-3.30	-9.66
191	190	Shell-Thick	SLE-QP	-9.2449	-0.9094	-3.06	-9.66
192	191	Shell-Thick	SLU-STATICA	-14.9784	-1.8373	-14.73	-12.62
192	191	Shell-Thick	SLU-STATICA	-16.3268	-4.2486	-15.66	-12.62
192	191	Shell-Thick	SLU-STATICA	-13.2624	-3.6721	-15.66	-11.70
192	191	Shell-Thick	SLU-STATICA	-11.9603	-1.2155	-14.73	-11.70
192	191	Shell-Thick	SLU-SISMICA	-26.2546	-4.3906	-25.56	-9.57
192	191	Shell-Thick	SLU-SISMICA	-27.2988	-6.2196	-26.26	-9.57
192	191	Shell-Thick	SLU-SISMICA	-22.0954	-5.1974	-26.26	-8.88
192	191	Shell-Thick	SLU-SISMICA	-21.0867	-3.3337	-25.56	-8.88
192	191	Shell-Thick	SLE-RARA	-11.2241	-1.3532	-11.04	-9.71
192	191	Shell-Thick	SLE-RARA	-12.2612	-3.2085	-11.76	-9.71
192	191	Shell-Thick	SLE-RARA	-9.9615	-2.7768	-11.76	-9.00
192	191	Shell-Thick	SLE-RARA	-8.9600	-0.8865	-11.04	-9.00
192	191	Shell-Thick	SLE-FREQ.	-10.7403	-1.2554	-10.58	-9.72
192	191	Shell-Thick	SLE-FREQ.	-11.7772	-3.1116	-11.29	-9.72
192	191	Shell-Thick	SLE-FREQ.	-9.5709	-2.6988	-11.29	-9.00
192	191	Shell-Thick	SLE-FREQ.	-8.5697	-0.8077	-10.58	-9.00
192	191	Shell-Thick	SLE-QP	-9.2889	-0.9621	-9.18	-9.73
192	191	Shell-Thick	SLE-QP	-10.3251	-2.8208	-9.89	-9.73
192	191	Shell-Thick	SLE-QP	-8.3992	-2.4651	-9.89	-9.02
192	191	Shell-Thick	SLE-QP	-7.3987	-0.5714	-9.18	-9.02
193	192	Shell-Thick	SLU-STATICA	-12.0753	-1.3524	-24.54	-11.88
193	192	Shell-Thick	SLU-STATICA	-13.1600	-3.5377	-26.09	-11.88
193	192	Shell-Thick	SLU-STATICA	-8.0539	-2.5819	-26.09	-10.33
193	192	Shell-Thick	SLU-STATICA	-7.0463	-0.3211	-24.54	-10.33
193	192	Shell-Thick	SLU-SISMICA	-21.1702	-3.4355	-42.59	-9.01
193	192	Shell-Thick	SLU-SISMICA	-22.0072	-5.0947	-43.76	-9.01
193	192	Shell-Thick	SLU-SISMICA	-13.3372	-3.4147	-43.76	-7.84
193	192	Shell-Thick	SLU-SISMICA	-12.5564	-1.7005	-42.59	-7.84
193	192	Shell-Thick	SLE-RARA	-9.0486	-0.9919	-18.40	-9.14
193	192	Shell-Thick	SLE-RARA	-9.8829	-2.6734	-19.59	-9.14



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

193	192	Shell-Thick	SLE-RARA	-6.0510	-1.9572	-19.59	-7.95
193	192	Shell-Thick	SLE-RARA	-5.2760	-0.2176	-18.40	-7.95
193	192	Shell-Thick	SLE-FREQ.	-8.6584	-0.9133	-17.62	-9.14
193	192	Shell-Thick	SLE-FREQ.	-9.4926	-2.5954	-18.81	-9.14
193	192	Shell-Thick	SLE-FREQ.	-5.8165	-1.9103	-18.81	-7.95
193	192	Shell-Thick	SLE-FREQ.	-5.0417	-0.1699	-17.62	-7.95
193	192	Shell-Thick	SLE-QP	-7.4879	-0.6773	-15.29	-9.16
193	192	Shell-Thick	SLE-QP	-8.3219	-2.3616	-16.48	-9.16
193	192	Shell-Thick	SLE-QP	-5.1129	-1.7695	-16.48	-7.96
193	192	Shell-Thick	SLE-QP	-4.3386	-0.0267	-15.29	-7.96
194	193	Shell-Thick	SLU-STATICA	-7.2229	-0.5283	-34.35	-10.61
194	193	Shell-Thick	SLU-STATICA	-7.9031	-2.3799	-36.52	-10.61
194	193	Shell-Thick	SLU-STATICA	-0.7553	-1.0329	-36.52	-8.43
194	193	Shell-Thick	SLU-STATICA	-0.1851	0.9266	-34.35	-8.43
194	193	Shell-Thick	SLU-SISMICA	-12.6853	-1.8548	-59.62	-8.05
194	193	Shell-Thick	SLU-SISMICA	-13.2073	-3.2602	-61.27	-8.05
194	193	Shell-Thick	SLU-SISMICA	-1.0666	-0.8837	-61.27	-6.40
194	193	Shell-Thick	SLU-SISMICA	-0.6278	0.6032	-59.62	-6.40
194	193	Shell-Thick	SLE-RARA	-5.4120	-0.3771	-25.75	-8.16
194	193	Shell-Thick	SLE-RARA	-5.9353	-1.8018	-27.42	-8.16
194	193	Shell-Thick	SLE-RARA	-0.5712	-0.7927	-27.42	-6.49
194	193	Shell-Thick	SLE-RARA	-0.1326	0.7150	-25.75	-6.49
194	193	Shell-Thick	SLE-FREQ.	-5.1779	-0.3296	-24.66	-8.17
194	193	Shell-Thick	SLE-FREQ.	-5.7012	-1.7548	-26.33	-8.17
194	193	Shell-Thick	SLE-FREQ.	-0.5553	-0.7898	-26.33	-6.49
194	193	Shell-Thick	SLE-FREQ.	-0.1167	0.7186	-24.66	-6.49
194	193	Shell-Thick	SLE-QP	-4.4755	-0.1869	-21.39	-8.18
194	193	Shell-Thick	SLE-QP	-4.9990	-1.6140	-23.07	-8.18
194	193	Shell-Thick	SLE-QP	-0.5074	-0.7810	-23.07	-6.50
194	193	Shell-Thick	SLE-QP	-0.0689	0.7293	-21.39	-6.50
195	194	Shell-Thick	SLU-STATICA	-0.4272	0.6471	-44.13	-8.80
195	194	Shell-Thick	SLU-STATICA	-0.5595	-0.7627	-46.95	-8.80
195	194	Shell-Thick	SLU-STATICA	8.6279	0.9682	-46.95	-5.99
195	194	Shell-Thick	SLU-STATICA	8.6170	2.5184	-44.13	-5.99
195	194	Shell-Thick	SLU-SISMICA	-0.8050	0.3946	-76.64	-6.68
195	194	Shell-Thick	SLU-SISMICA	-0.8978	-0.6768	-78.78	-6.68
195	194	Shell-Thick	SLU-SISMICA	14.7104	2.3600	-78.78	-4.55
195	194	Shell-Thick	SLU-SISMICA	14.6969	3.5355	-76.64	-4.55
195	194	Shell-Thick	SLE-RARA	-0.3190	0.4999	-33.09	-6.77
195	194	Shell-Thick	SLE-RARA	-0.4210	-0.5849	-35.25	-6.77
195	194	Shell-Thick	SLE-RARA	6.4737	0.7121	-35.25	-4.61
195	194	Shell-Thick	SLE-RARA	6.4654	1.9049	-33.09	-4.61
195	194	Shell-Thick	SLE-FREQ.	-0.3034	0.5032	-31.68	-6.77
195	194	Shell-Thick	SLE-FREQ.	-0.4056	-0.5819	-33.85	-6.77
195	194	Shell-Thick	SLE-FREQ.	6.2086	0.6591	-33.85	-4.61
195	194	Shell-Thick	SLE-FREQ.	6.2004	1.8524	-31.68	-4.61
195	194	Shell-Thick	SLE-QP	-0.2564	0.5134	-27.48	-6.78
195	194	Shell-Thick	SLE-QP	-0.3596	-0.5730	-29.65	-6.78
195	194	Shell-Thick	SLE-QP	5.4132	0.4999	-29.65	-4.61
195	194	Shell-Thick	SLE-QP	5.4056	1.6950	-27.48	-4.61
196	195	Shell-Thick	SLU-STATICA	8.3047	2.1641	-53.91	-6.45
196	195	Shell-Thick	SLU-STATICA	8.8645	1.3073	-57.37	-6.45
196	195	Shell-Thick	SLU-STATICA	20.0911	3.4347	-57.37	-2.99
196	195	Shell-Thick	SLU-STATICA	19.3518	4.4677	-53.91	-2.99
196	195	Shell-Thick	SLU-SISMICA	14.4680	3.2704	-93.67	-4.90
196	195	Shell-Thick	SLU-SISMICA	14.9137	2.6200	-96.29	-4.90
196	195	Shell-Thick	SLU-SISMICA	33.9935	6.3567	-96.29	-2.27
196	195	Shell-Thick	SLU-SISMICA	33.4115	7.1408	-93.67	-2.27
196	195	Shell-Thick	SLE-RARA	6.2250	1.6323	-40.41	-4.96
196	195	Shell-Thick	SLE-RARA	6.6552	0.9730	-43.08	-4.96
196	195	Shell-Thick	SLE-RARA	15.0801	2.5670	-43.08	-2.30
196	195	Shell-Thick	SLE-RARA	14.5116	3.3619	-40.41	-2.30
196	195	Shell-Thick	SLE-FREQ.	5.9596	1.5796	-38.70	-4.97
196	195	Shell-Thick	SLE-FREQ.	6.3894	0.9200	-41.36	-4.97
196	195	Shell-Thick	SLE-FREQ.	14.4713	2.4450	-41.36	-2.30
196	195	Shell-Thick	SLE-FREQ.	13.9033	3.2402	-38.70	-2.30
196	195	Shell-Thick	SLE-QP	5.1637	1.4214	-33.55	-4.97
196	195	Shell-Thick	SLE-QP	5.5919	0.7609	-36.22	-4.97
196	195	Shell-Thick	SLE-QP	12.6449	2.0791	-36.22	-2.30

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196	195	Shell-Thick	SLE-QP	12.0782	2.8753	-33.55	-2.30
197	196	Shell-Thick	SLU-STATICA	18.9653	4.0360	-63.66	-3.55
197	196	Shell-Thick	SLU-STATICA	20.3642	3.8438	-67.78	-3.55
197	196	Shell-Thick	SLU-STATICA	33.6278	6.3616	-67.78	0.57
197	196	Shell-Thick	SLU-STATICA	32.0122	6.7664	-63.66	0.57
197	196	Shell-Thick	SLU-SISMICA	33.1279	6.8169	-110.67	-2.70
197	196	Shell-Thick	SLU-SISMICA	34.2287	6.6709	-113.81	-2.70
197	196	Shell-Thick	SLU-SISMICA	56.7773	11.0762	-113.81	0.44
197	196	Shell-Thick	SLU-SISMICA	55.5136	11.3820	-110.67	0.44
197	196	Shell-Thick	SLE-RARA	14.2141	3.0296	-47.72	-2.73
197	196	Shell-Thick	SLE-RARA	15.2896	2.8817	-50.90	-2.73
197	196	Shell-Thick	SLE-RARA	25.2429	4.7686	-50.90	0.44
197	196	Shell-Thick	SLE-RARA	24.0006	5.0801	-47.72	0.44
197	196	Shell-Thick	SLE-FREQ.	13.6053	2.9077	-45.69	-2.74
197	196	Shell-Thick	SLE-FREQ.	14.6800	2.7597	-48.87	-2.74
197	196	Shell-Thick	SLE-FREQ.	24.2279	4.5656	-48.87	0.44
197	196	Shell-Thick	SLE-FREQ.	22.9862	4.8773	-45.69	0.44
197	196	Shell-Thick	SLE-QP	11.7789	2.5420	-39.62	-2.74
197	196	Shell-Thick	SLE-QP	12.8511	2.3938	-42.80	-2.74
197	196	Shell-Thick	SLE-QP	21.1827	3.9565	-42.80	0.44
197	196	Shell-Thick	SLE-QP	19.9432	4.2687	-39.62	0.44
198	197	Shell-Thick	SLU-STATICA	34.0231	7.1700	67.44	0.57
198	197	Shell-Thick	SLU-STATICA	35.6486	6.7643	71.58	0.57
198	197	Shell-Thick	SLU-STATICA	21.6260	4.0914	71.58	-3.56
198	197	Shell-Thick	SLU-STATICA	20.2184	4.2833	67.44	-3.56
198	197	Shell-Thick	SLU-SISMICA	57.0782	11.6957	113.55	0.44
198	197	Shell-Thick	SLU-SISMICA	58.3483	11.3896	116.68	0.44
198	197	Shell-Thick	SLU-SISMICA	35.2235	6.8600	116.68	-2.69
198	197	Shell-Thick	SLU-SISMICA	34.1184	7.0042	113.55	-2.69
198	197	Shell-Thick	SLE-RARA	25.5471	5.3905	50.63	0.44
198	197	Shell-Thick	SLE-RARA	26.7970	5.0783	53.81	0.44
198	197	Shell-Thick	SLE-RARA	16.2597	3.0722	53.81	-2.74
198	197	Shell-Thick	SLE-RARA	15.1775	3.2199	50.63	-2.74
198	197	Shell-Thick	SLE-FREQ.	24.5321	5.1875	48.61	0.44
198	197	Shell-Thick	SLE-FREQ.	25.7814	4.8752	51.79	0.44
198	197	Shell-Thick	SLE-FREQ.	15.6493	2.9503	51.79	-2.74
198	197	Shell-Thick	SLE-FREQ.	14.5678	3.0981	48.61	-2.74
198	197	Shell-Thick	SLE-QP	21.4873	4.5787	42.53	0.44
198	197	Shell-Thick	SLE-QP	22.7347	4.2657	45.72	0.44
198	197	Shell-Thick	SLE-QP	13.8181	2.5845	45.72	-2.75
198	197	Shell-Thick	SLE-QP	12.7388	2.7326	42.53	-2.75
199	198	Shell-Thick	SLU-STATICA	20.5429	4.7031	57.08	-2.99
199	198	Shell-Thick	SLU-STATICA	21.2878	3.6688	60.55	-2.99
199	198	Shell-Thick	SLU-STATICA	9.4252	1.4148	60.55	-6.46
199	198	Shell-Thick	SLU-STATICA	8.8596	2.2733	57.08	-6.46
199	198	Shell-Thick	SLU-SISMICA	34.3368	7.3143	96.07	-2.26
199	198	Shell-Thick	SLU-SISMICA	34.9218	6.5333	98.69	-2.26
199	198	Shell-Thick	SLU-SISMICA	15.3626	2.7147	98.69	-4.89
199	198	Shell-Thick	SLU-SISMICA	14.9109	3.3650	96.07	-4.89
199	198	Shell-Thick	SLE-RARA	15.4276	3.5431	42.85	-2.30
199	198	Shell-Thick	SLE-RARA	16.0004	2.7471	45.52	-2.30
199	198	Shell-Thick	SLE-RARA	7.0862	1.0554	45.52	-4.97
199	198	Shell-Thick	SLE-RARA	6.6515	1.7160	42.85	-4.97
199	198	Shell-Thick	SLE-FREQ.	14.8190	3.4217	41.14	-2.30
199	198	Shell-Thick	SLE-FREQ.	15.3913	2.6253	43.81	-2.30
199	198	Shell-Thick	SLE-FREQ.	6.8198	1.0020	43.81	-4.98
199	198	Shell-Thick	SLE-FREQ.	6.3856	1.6629	41.14	-4.98
199	198	Shell-Thick	SLE-QP	12.9930	3.0575	36.00	-2.31
199	198	Shell-Thick	SLE-QP	13.5642	2.2597	38.68	-2.31
199	198	Shell-Thick	SLE-QP	6.0206	0.8418	38.68	-4.98
199	198	Shell-Thick	SLE-QP	5.5880	1.5037	36.00	-4.98
200	199	Shell-Thick	SLU-STATICA	9.1187	2.6172	46.71	-6.00
200	199	Shell-Thick	SLU-STATICA	9.1316	1.0639	49.53	-6.00
200	199	Shell-Thick	SLU-STATICA	-0.5729	-0.7809	49.53	-8.82
200	199	Shell-Thick	SLU-STATICA	-0.4417	0.6311	46.71	-8.82
200	199	Shell-Thick	SLU-SISMICA	15.0829	3.6177	78.60	-4.54
200	199	Shell-Thick	SLU-SISMICA	15.0986	2.4435	80.72	-4.54
200	199	Shell-Thick	SLU-SISMICA	-0.9011	-0.6942	80.72	-6.66
200	199	Shell-Thick	SLU-SISMICA	-0.8086	0.3738	78.60	-6.66

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200	199	Shell-Thick	SLE-RARA	6.8513	1.9808	35.07	-4.62
200	199	Shell-Thick	SLE-RARA	6.8611	0.7855	37.24	-4.62
200	199	Shell-Thick	SLE-RARA	-0.4314	-0.5988	37.24	-6.78
200	199	Shell-Thick	SLE-RARA	-0.3303	0.4877	35.07	-6.78
200	199	Shell-Thick	SLE-FREQ.	6.5863	1.9282	33.67	-4.62
200	199	Shell-Thick	SLE-FREQ.	6.5960	0.7322	35.84	-4.62
200	199	Shell-Thick	SLE-FREQ.	-0.4163	-0.5958	35.84	-6.79
200	199	Shell-Thick	SLE-FREQ.	-0.3149	0.4914	33.67	-6.79
200	199	Shell-Thick	SLE-QP	5.7915	1.7701	29.47	-4.63
200	199	Shell-Thick	SLE-QP	5.8005	0.5721	31.64	-4.63
200	199	Shell-Thick	SLE-QP	-0.3709	-0.5866	31.64	-6.80
200	199	Shell-Thick	SLE-QP	-0.2687	0.5024	29.47	-6.80
201	200	Shell-Thick	SLU-STATICA	-0.2427	0.9022	36.34	-8.45
201	200	Shell-Thick	SLU-STATICA	-0.8151	-1.0607	38.52	-8.45
201	200	Shell-Thick	SLU-STATICA	-8.3616	-2.4896	38.52	-10.63
201	200	Shell-Thick	SLU-STATICA	-7.6796	-0.6341	36.34	-10.63
201	200	Shell-Thick	SLU-SISMICA	-0.6787	0.5722	61.13	-6.39
201	200	Shell-Thick	SLU-SISMICA	-1.1190	-0.9102	62.77	-6.39
201	200	Shell-Thick	SLU-SISMICA	-13.5588	-3.3350	62.77	-8.03
201	200	Shell-Thick	SLU-SISMICA	-13.0382	-1.9313	61.13	-8.03
201	200	Shell-Thick	SLE-RARA	-0.1767	0.6965	27.28	-6.50
201	200	Shell-Thick	SLE-RARA	-0.6170	-0.8140	28.96	-6.50
201	200	Shell-Thick	SLE-RARA	-6.2880	-1.8864	28.96	-8.18
201	200	Shell-Thick	SLE-RARA	-5.7633	-0.4586	27.28	-8.18
201	200	Shell-Thick	SLE-FREQ.	-0.1606	0.7005	26.19	-6.50
201	200	Shell-Thick	SLE-FREQ.	-0.6009	-0.8109	27.87	-6.50
201	200	Shell-Thick	SLE-FREQ.	-6.0540	-1.8398	27.87	-8.18
201	200	Shell-Thick	SLE-FREQ.	-5.5291	-0.4112	26.19	-8.18
201	200	Shell-Thick	SLE-QP	-0.1121	0.7125	22.92	-6.52
201	200	Shell-Thick	SLE-QP	-0.5524	-0.8016	24.61	-6.52
201	200	Shell-Thick	SLE-QP	-5.3519	-1.6999	24.61	-8.20
201	200	Shell-Thick	SLE-QP	-4.8266	-0.2690	22.92	-8.20
202	201	Shell-Thick	SLU-STATICA	-7.5354	-0.4332	25.96	-10.35
202	201	Shell-Thick	SLU-STATICA	-8.5474	-2.6988	27.51	-10.35
202	201	Shell-Thick	SLU-STATICA	-13.9375	-3.7222	27.51	-11.90
202	201	Shell-Thick	SLU-STATICA	-12.8478	-1.5327	25.96	-11.90
202	201	Shell-Thick	SLU-SISMICA	-12.9451	-1.7848	43.66	-7.83
202	201	Shell-Thick	SLU-SISMICA	-13.7263	-3.4964	44.83	-7.83
202	201	Shell-Thick	SLU-SISMICA	-22.6115	-5.2422	44.83	-8.99
202	201	Shell-Thick	SLU-SISMICA	-21.7719	-3.5878	43.66	-8.99
202	201	Shell-Thick	SLE-RARA	-5.6520	-0.3039	19.49	-7.97
202	201	Shell-Thick	SLE-RARA	-6.4304	-2.0473	20.68	-7.97
202	201	Shell-Thick	SLE-RARA	-10.4809	-2.8151	20.68	-9.16
202	201	Shell-Thick	SLE-RARA	-9.6427	-1.1303	19.49	-9.16
202	201	Shell-Thick	SLE-FREQ.	-5.4172	-0.2562	18.71	-7.97
202	201	Shell-Thick	SLE-FREQ.	-6.1955	-2.0007	19.91	-7.97
202	201	Shell-Thick	SLE-FREQ.	-10.0904	-2.7370	19.91	-9.17
202	201	Shell-Thick	SLE-FREQ.	-9.2522	-1.0512	18.71	-9.17
202	201	Shell-Thick	SLE-QP	-4.7130	-0.1132	16.38	-7.99
202	201	Shell-Thick	SLE-QP	-5.4910	-1.8608	17.57	-7.99
202	201	Shell-Thick	SLE-QP	-8.9190	-2.5026	17.57	-9.18
202	201	Shell-Thick	SLE-QP	-8.0810	-0.8139	16.38	-9.18
203	202	Shell-Thick	SLU-STATICA	-12.7541	-1.3999	15.58	-11.72
203	202	Shell-Thick	SLU-STATICA	-14.0633	-3.8613	16.50	-11.72
203	202	Shell-Thick	SLU-STATICA	-17.2968	-4.4715	16.50	-12.65
203	202	Shell-Thick	SLU-STATICA	-15.9419	-2.0549	15.58	-12.65
203	202	Shell-Thick	SLU-SISMICA	-21.7121	-3.4913	26.19	-8.86
203	202	Shell-Thick	SLU-SISMICA	-22.7248	-5.3495	26.89	-8.86
203	202	Shell-Thick	SLU-SISMICA	-28.0539	-6.3837	26.89	-9.55
203	202	Shell-Thick	SLU-SISMICA	-27.0085	-4.5576	26.19	-9.55
203	202	Shell-Thick	SLE-RARA	-9.5703	-1.0281	11.69	-9.02
203	202	Shell-Thick	SLE-RARA	-10.5773	-2.9222	12.41	-9.02
203	202	Shell-Thick	SLE-RARA	-13.0072	-3.3801	12.41	-9.73
203	202	Shell-Thick	SLE-RARA	-11.9650	-1.5205	11.69	-9.73
203	202	Shell-Thick	SLE-FREQ.	-9.1795	-0.9488	11.23	-9.03
203	202	Shell-Thick	SLE-FREQ.	-10.1863	-2.8440	11.94	-9.03
203	202	Shell-Thick	SLE-FREQ.	-12.5228	-3.2834	11.94	-9.74
203	202	Shell-Thick	SLE-FREQ.	-11.4808	-1.4228	11.23	-9.74
203	202	Shell-Thick	SLE-QP	-8.0071	-0.7109	9.83	-9.04

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203	202	Shell-Thick	SLE-QP	-9.0132	-2.6097	10.54	-9.04
203	202	Shell-Thick	SLE-QP	-11.0698	-2.9934	10.54	-9.76
203	202	Shell-Thick	SLE-QP	-10.0281	-1.1295	9.83	-9.76
204	203	Shell-Thick	SLU-STATICA	-15.8959	-1.9889	5.19	-12.56
204	203	Shell-Thick	SLU-STATICA	-17.3602	-4.5410	5.50	-12.56
204	203	Shell-Thick	SLU-STATICA	-18.4383	-4.7471	5.50	-12.87
204	203	Shell-Thick	SLU-STATICA	-16.9584	-2.2103	5.19	-12.87
204	203	Shell-Thick	SLU-SISMICA	-26.9793	-4.5096	8.73	-9.48
204	203	Shell-Thick	SLU-SISMICA	-28.1111	-6.4373	8.96	-9.48
204	203	Shell-Thick	SLU-SISMICA	-29.8884	-6.7929	8.96	-9.72
204	203	Shell-Thick	SLU-SISMICA	-28.7442	-4.8774	8.73	-9.72
204	203	Shell-Thick	SLE-RARA	-11.9295	-1.4697	3.90	-9.66
204	203	Shell-Thick	SLE-RARA	-13.0558	-3.4336	4.14	-9.66
204	203	Shell-Thick	SLE-RARA	-13.8659	-3.5882	4.14	-9.90
204	203	Shell-Thick	SLE-RARA	-12.7276	-1.6360	3.90	-9.90
204	203	Shell-Thick	SLE-FREQ.	-11.4450	-1.3718	3.74	-9.67
204	203	Shell-Thick	SLE-FREQ.	-12.5712	-3.3369	3.98	-9.67
204	203	Shell-Thick	SLE-FREQ.	-13.3502	-3.4850	3.98	-9.91
204	203	Shell-Thick	SLE-FREQ.	-12.2121	-1.5317	3.74	-9.91
204	203	Shell-Thick	SLE-QP	-9.9918	-1.0783	3.28	-9.69
204	203	Shell-Thick	SLE-QP	-11.1174	-3.0468	3.51	-9.69
204	203	Shell-Thick	SLE-QP	-11.8029	-3.1755	3.51	-9.92
204	203	Shell-Thick	SLE-QP	-10.6655	-1.2186	3.28	-9.92
205	204	Shell-Thick	SLU-STATICA	-16.9584	-2.2103	-5.19	-12.87
205	204	Shell-Thick	SLU-STATICA	-18.4383	-4.7471	-5.50	-12.87
205	204	Shell-Thick	SLU-STATICA	-17.3602	-4.5410	-5.50	-12.56
205	204	Shell-Thick	SLU-STATICA	-15.8959	-1.9889	-5.19	-12.56
205	204	Shell-Thick	SLU-SISMICA	-28.7442	-4.8774	-8.73	-9.72
205	204	Shell-Thick	SLU-SISMICA	-29.8884	-6.7929	-8.96	-9.72
205	204	Shell-Thick	SLU-SISMICA	-28.1111	-6.4373	-8.96	-9.48
205	204	Shell-Thick	SLU-SISMICA	-26.9793	-4.5096	-8.73	-9.48
205	204	Shell-Thick	SLE-RARA	-12.7276	-1.6360	-3.90	-9.90
205	204	Shell-Thick	SLE-RARA	-13.8659	-3.5882	-4.14	-9.90
205	204	Shell-Thick	SLE-RARA	-13.0558	-3.4336	-4.14	-9.66
205	204	Shell-Thick	SLE-RARA	-11.9295	-1.4697	-3.90	-9.66
205	204	Shell-Thick	SLE-FREQ.	-12.2121	-1.5317	-3.74	-9.91
205	204	Shell-Thick	SLE-FREQ.	-13.3502	-3.4850	-3.98	-9.91
205	204	Shell-Thick	SLE-FREQ.	-12.5712	-3.3369	-3.98	-9.67
205	204	Shell-Thick	SLE-FREQ.	-11.4450	-1.3718	-3.74	-9.67
205	204	Shell-Thick	SLE-QP	-10.6655	-1.2186	-3.28	-9.92
205	204	Shell-Thick	SLE-QP	-11.8029	-3.1755	-3.51	-9.92
205	204	Shell-Thick	SLE-QP	-11.1174	-3.0468	-3.51	-9.69
205	204	Shell-Thick	SLE-QP	-9.9918	-1.0783	-3.28	-9.69
206	205	Shell-Thick	SLU-STATICA	-15.9419	-2.0549	-15.58	-12.65
206	205	Shell-Thick	SLU-STATICA	-17.2968	-4.4715	-16.50	-12.65
206	205	Shell-Thick	SLU-STATICA	-14.0633	-3.8613	-16.50	-11.72
206	205	Shell-Thick	SLU-STATICA	-12.7541	-1.3999	-15.58	-11.72
206	205	Shell-Thick	SLU-SISMICA	-27.0085	-4.5576	-26.19	-9.55
206	205	Shell-Thick	SLU-SISMICA	-28.0539	-6.3837	-26.89	-9.55
206	205	Shell-Thick	SLU-SISMICA	-22.7248	-5.3495	-26.89	-8.86
206	205	Shell-Thick	SLU-SISMICA	-21.7121	-3.4913	-26.19	-8.86
206	205	Shell-Thick	SLE-RARA	-11.9650	-1.5205	-11.69	-9.73
206	205	Shell-Thick	SLE-RARA	-13.0072	-3.3801	-12.41	-9.73
206	205	Shell-Thick	SLE-RARA	-10.5773	-2.9222	-12.41	-9.02
206	205	Shell-Thick	SLE-RARA	-9.5703	-1.0281	-11.69	-9.02
206	205	Shell-Thick	SLE-FREQ.	-11.4808	-1.4228	-11.23	-9.74
206	205	Shell-Thick	SLE-FREQ.	-12.5228	-3.2834	-11.94	-9.74
206	205	Shell-Thick	SLE-FREQ.	-10.1863	-2.8440	-11.94	-9.03
206	205	Shell-Thick	SLE-FREQ.	-9.1795	-0.9488	-11.23	-9.03
206	205	Shell-Thick	SLE-QP	-10.0281	-1.1295	-9.83	-9.76
206	205	Shell-Thick	SLE-QP	-11.0698	-2.9934	-10.54	-9.76
206	205	Shell-Thick	SLE-QP	-9.0132	-2.6097	-10.54	-9.04
206	205	Shell-Thick	SLE-QP	-8.0071	-0.7109	-9.83	-9.04
207	206	Shell-Thick	SLU-STATICA	-12.8478	-1.5327	-25.96	-11.90
207	206	Shell-Thick	SLU-STATICA	-13.9375	-3.7222	-27.51	-11.90
207	206	Shell-Thick	SLU-STATICA	-8.5474	-2.6988	-27.51	-10.35
207	206	Shell-Thick	SLU-STATICA	-7.5354	-0.4332	-25.96	-10.35
207	206	Shell-Thick	SLU-SISMICA	-21.7719	-3.5878	-43.66	-8.99
207	206	Shell-Thick	SLU-SISMICA	-22.6115	-5.2422	-44.83	-8.99

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207	206	Shell-Thick	SLU-SISMICA	-13.7263	-3.4964	-44.83	-7.83
207	206	Shell-Thick	SLU-SISMICA	-12.9451	-1.7848	-43.66	-7.83
207	206	Shell-Thick	SLE-RARA	-9.6427	-1.1303	-19.49	-9.16
207	206	Shell-Thick	SLE-RARA	-10.4809	-2.8151	-20.68	-9.16
207	206	Shell-Thick	SLE-RARA	-6.4304	-2.0473	-20.68	-7.97
207	206	Shell-Thick	SLE-RARA	-5.6520	-0.3039	-19.49	-7.97
207	206	Shell-Thick	SLE-FREQ.	-9.2522	-1.0512	-18.71	-9.17
207	206	Shell-Thick	SLE-FREQ.	-10.0904	-2.7370	-19.91	-9.17
207	206	Shell-Thick	SLE-FREQ.	-6.1955	-2.0007	-19.91	-7.97
207	206	Shell-Thick	SLE-FREQ.	-5.4172	-0.2562	-18.71	-7.97
207	206	Shell-Thick	SLE-QP	-8.0810	-0.8139	-16.38	-9.18
207	206	Shell-Thick	SLE-QP	-8.9190	-2.5026	-17.57	-9.18
207	206	Shell-Thick	SLE-QP	-5.4910	-1.8608	-17.57	-7.99
207	206	Shell-Thick	SLE-QP	-4.7130	-0.1132	-16.38	-7.99
208	207	Shell-Thick	SLU-STATICA	-7.6796	-0.6341	-36.34	-10.63
208	207	Shell-Thick	SLU-STATICA	-8.3616	-2.4896	-38.52	-10.63
208	207	Shell-Thick	SLU-STATICA	-0.8151	-1.0607	-38.52	-8.45
208	207	Shell-Thick	SLU-STATICA	-0.2427	0.9022	-36.34	-8.45
208	207	Shell-Thick	SLU-SISMICA	-13.0382	-1.9313	-61.13	-8.03
208	207	Shell-Thick	SLU-SISMICA	-13.5588	-3.3350	-62.77	-8.03
208	207	Shell-Thick	SLU-SISMICA	-1.1190	-0.9102	-62.77	-6.39
208	207	Shell-Thick	SLU-SISMICA	-0.6787	0.5722	-61.13	-6.39
208	207	Shell-Thick	SLE-RARA	-5.7633	-0.4586	-27.28	-8.18
208	207	Shell-Thick	SLE-RARA	-6.2880	-1.8864	-28.96	-8.18
208	207	Shell-Thick	SLE-RARA	-0.6170	-0.8140	-28.96	-6.50
208	207	Shell-Thick	SLE-RARA	-0.1767	0.6965	-27.28	-6.50
208	207	Shell-Thick	SLE-FREQ.	-5.5291	-0.4112	-26.19	-8.18
208	207	Shell-Thick	SLE-FREQ.	-6.0540	-1.8398	-27.87	-8.18
208	207	Shell-Thick	SLE-FREQ.	-0.6009	-0.8109	-27.87	-6.50
208	207	Shell-Thick	SLE-FREQ.	-0.1606	0.7005	-26.19	-6.50
208	207	Shell-Thick	SLE-QP	-4.8266	-0.2690	-22.92	-8.20
208	207	Shell-Thick	SLE-QP	-5.3519	-1.6999	-24.61	-8.20
208	207	Shell-Thick	SLE-QP	-0.5524	-0.8016	-24.61	-6.52
208	207	Shell-Thick	SLE-QP	-0.1121	0.7125	-22.92	-6.52
209	208	Shell-Thick	SLU-STATICA	-0.4417	0.6311	-46.71	-8.82
209	208	Shell-Thick	SLU-STATICA	-0.5729	-0.7809	-49.53	-8.82
209	208	Shell-Thick	SLU-STATICA	9.1316	1.0639	-49.53	-6.00
209	208	Shell-Thick	SLU-STATICA	9.1187	2.6172	-46.71	-6.00
209	208	Shell-Thick	SLU-SISMICA	-0.8086	0.3738	-78.60	-6.66
209	208	Shell-Thick	SLU-SISMICA	-0.9011	-0.6942	-80.72	-6.66
209	208	Shell-Thick	SLU-SISMICA	15.0986	2.4435	-80.72	-4.54
209	208	Shell-Thick	SLU-SISMICA	15.0829	3.6177	-78.60	-4.54
209	208	Shell-Thick	SLE-RARA	-0.3303	0.4877	-35.07	-6.78
209	208	Shell-Thick	SLE-RARA	-0.4314	-0.5988	-37.24	-6.78
209	208	Shell-Thick	SLE-RARA	6.8611	0.7855	-37.24	-4.62
209	208	Shell-Thick	SLE-RARA	6.8513	1.9808	-35.07	-4.62
209	208	Shell-Thick	SLE-FREQ.	-0.3149	0.4914	-33.67	-6.79
209	208	Shell-Thick	SLE-FREQ.	-0.4163	-0.5958	-35.84	-6.79
209	208	Shell-Thick	SLE-FREQ.	6.5960	0.7322	-35.84	-4.62
209	208	Shell-Thick	SLE-FREQ.	6.5863	1.9282	-33.67	-4.62
209	208	Shell-Thick	SLE-QP	-0.2687	0.5024	-29.47	-6.80
209	208	Shell-Thick	SLE-QP	-0.3709	-0.5866	-31.64	-6.80
209	208	Shell-Thick	SLE-QP	5.8005	0.5721	-31.64	-4.63
209	208	Shell-Thick	SLE-QP	5.7915	1.7701	-29.47	-4.63
210	209	Shell-Thick	SLU-STATICA	8.8596	2.2733	-57.08	-6.46
210	209	Shell-Thick	SLU-STATICA	9.4252	1.4148	-60.55	-6.46
210	209	Shell-Thick	SLU-STATICA	21.2878	3.6688	-60.55	-2.99
210	209	Shell-Thick	SLU-STATICA	20.5429	4.7031	-57.08	-2.99
210	209	Shell-Thick	SLU-SISMICA	14.9109	3.3650	-96.07	-4.89
210	209	Shell-Thick	SLU-SISMICA	15.3626	2.7147	-98.69	-4.89
210	209	Shell-Thick	SLU-SISMICA	34.9218	6.5333	-98.69	-2.26
210	209	Shell-Thick	SLU-SISMICA	34.3368	7.3143	-96.07	-2.26
210	209	Shell-Thick	SLE-RARA	6.6515	1.7160	-42.85	-4.97
210	209	Shell-Thick	SLE-RARA	7.0862	1.0554	-45.52	-4.97
210	209	Shell-Thick	SLE-RARA	16.0004	2.7471	-45.52	-2.30
210	209	Shell-Thick	SLE-RARA	15.4276	3.5431	-42.85	-2.30
210	209	Shell-Thick	SLE-FREQ.	6.3856	1.6629	-41.14	-4.98
210	209	Shell-Thick	SLE-FREQ.	6.8198	1.0020	-43.81	-4.98
210	209	Shell-Thick	SLE-FREQ.	15.3913	2.6253	-43.81	-2.30

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210	209	Shell-Thick	SLE-FREQ.	14.8190	3.4217	-41.14	-2.30
210	209	Shell-Thick	SLE-QP	5.5880	1.5037	-36.00	-4.98
210	209	Shell-Thick	SLE-QP	6.0206	0.8418	-38.68	-4.98
210	209	Shell-Thick	SLE-QP	13.5642	2.2597	-38.68	-2.31
210	209	Shell-Thick	SLE-QP	12.9930	3.0575	-36.00	-2.31
211	210	Shell-Thick	SLU-STATICA	20.2184	4.2833	-67.44	-3.56
211	210	Shell-Thick	SLU-STATICA	21.6260	4.0914	-71.58	-3.56
211	210	Shell-Thick	SLU-STATICA	35.6486	6.7643	-71.58	0.57
211	210	Shell-Thick	SLU-STATICA	34.0231	7.1700	-67.44	0.57
211	210	Shell-Thick	SLU-SISMICA	34.1184	7.0042	-113.55	-2.69
211	210	Shell-Thick	SLU-SISMICA	35.2235	6.8600	-116.68	-2.69
211	210	Shell-Thick	SLU-SISMICA	58.3483	11.3896	-116.68	0.44
211	210	Shell-Thick	SLU-SISMICA	57.0782	11.6957	-113.55	0.44
211	210	Shell-Thick	SLE-RARA	15.1775	3.2199	-50.63	-2.74
211	210	Shell-Thick	SLE-RARA	16.2597	3.0722	-53.81	-2.74
211	210	Shell-Thick	SLE-RARA	26.7970	5.0783	-53.81	0.44
211	210	Shell-Thick	SLE-RARA	25.5471	5.3905	-50.63	0.44
211	210	Shell-Thick	SLE-FREQ.	14.5678	3.0981	-48.61	-2.74
211	210	Shell-Thick	SLE-FREQ.	15.6493	2.9503	-51.79	-2.74
211	210	Shell-Thick	SLE-FREQ.	25.7814	4.8752	-51.79	0.44
211	210	Shell-Thick	SLE-FREQ.	24.5321	5.1875	-48.61	0.44
211	210	Shell-Thick	SLE-QP	12.7388	2.7326	-42.53	-2.75
211	210	Shell-Thick	SLE-QP	13.8181	2.5845	-45.72	-2.75
211	210	Shell-Thick	SLE-QP	22.7347	4.2657	-45.72	0.44
211	210	Shell-Thick	SLE-QP	21.4873	4.5787	-42.53	0.44
212	211	Shell-Thick	SLU-STATICA	36.0445	7.5741	71.24	0.57
212	211	Shell-Thick	SLU-STATICA	37.6764	7.1701	75.36	0.57
212	211	Shell-Thick	SLU-STATICA	22.8965	4.3453	75.36	-3.55
212	211	Shell-Thick	SLU-STATICA	21.4811	4.5371	71.24	-3.55
212	211	Shell-Thick	SLU-SISMICA	58.6499	12.0084	116.42	0.44
212	211	Shell-Thick	SLU-SISMICA	59.9228	11.7061	119.53	0.44
212	211	Shell-Thick	SLU-SISMICA	36.2279	7.0669	119.53	-2.67
212	211	Shell-Thick	SLU-SISMICA	35.1160	7.2113	116.42	-2.67
212	211	Shell-Thick	SLE-RARA	27.1017	5.7013	53.55	0.44
212	211	Shell-Thick	SLE-RARA	28.3566	5.3903	56.72	0.44
212	211	Shell-Thick	SLE-RARA	17.2365	3.2673	56.72	-2.73
212	211	Shell-Thick	SLE-RARA	16.1482	3.4148	53.55	-2.73
212	211	Shell-Thick	SLE-FREQ.	26.0862	5.4983	51.53	0.44
212	211	Shell-Thick	SLE-FREQ.	27.3405	5.1870	54.70	0.44
212	211	Shell-Thick	SLE-FREQ.	16.6252	3.1450	54.70	-2.73
212	211	Shell-Thick	SLE-FREQ.	15.5377	3.2926	51.53	-2.73
212	211	Shell-Thick	SLE-QP	23.0397	4.8893	45.46	0.44
212	211	Shell-Thick	SLE-QP	24.2923	4.5771	48.64	0.44
212	211	Shell-Thick	SLE-QP	14.7913	2.7781	48.64	-2.74
212	211	Shell-Thick	SLE-QP	13.7060	2.9260	45.46	-2.74
213	212	Shell-Thick	SLU-STATICA	21.7398	4.9422	60.26	-2.99
213	212	Shell-Thick	SLU-STATICA	22.4881	3.9102	63.72	-2.99
213	212	Shell-Thick	SLU-STATICA	9.9896	1.5204	63.72	-6.45
213	212	Shell-Thick	SLU-STATICA	9.4202	2.3769	60.26	-6.45
213	212	Shell-Thick	SLU-SISMICA	35.2643	7.5043	98.48	-2.25
213	212	Shell-Thick	SLU-SISMICA	35.8510	6.7282	101.08	-2.25
213	212	Shell-Thick	SLU-SISMICA	15.8123	2.7943	101.08	-4.85
213	212	Shell-Thick	SLU-SISMICA	15.3593	3.4393	98.48	-4.85
213	212	Shell-Thick	SLE-RARA	16.3482	3.7269	45.30	-2.30
213	212	Shell-Thick	SLE-RARA	16.9236	2.9327	47.97	-2.30
213	212	Shell-Thick	SLE-RARA	7.5201	1.1367	47.97	-4.96
213	212	Shell-Thick	SLE-RARA	7.0824	1.7959	45.30	-4.96
213	212	Shell-Thick	SLE-FREQ.	15.7394	3.6053	43.59	-2.30
213	212	Shell-Thick	SLE-FREQ.	16.3144	2.8105	46.26	-2.30
213	212	Shell-Thick	SLE-FREQ.	7.2532	1.0834	46.26	-4.97
213	212	Shell-Thick	SLE-FREQ.	6.8160	1.7430	43.59	-4.97
213	212	Shell-Thick	SLE-QP	13.9127	3.2405	38.46	-2.30
213	212	Shell-Thick	SLE-QP	14.4867	2.4440	41.13	-2.30
213	212	Shell-Thick	SLE-QP	6.4524	0.9233	41.13	-4.98
213	212	Shell-Thick	SLE-QP	6.0167	1.5843	38.46	-4.98
214	213	Shell-Thick	SLU-STATICA	9.6223	2.7081	49.30	-5.98
214	213	Shell-Thick	SLU-STATICA	9.6357	1.1589	52.11	-5.98
214	213	Shell-Thick	SLU-STATICA	-0.5842	-0.7917	52.11	-8.80
214	213	Shell-Thick	SLU-STATICA	-0.4551	0.6177	49.30	-8.80



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214	213	Shell-Thick	SLU-SISMICA	15.4688	3.6769	80.54	-4.51
214	213	Shell-Thick	SLU-SISMICA	15.4843	2.5129	82.65	-4.51
214	213	Shell-Thick	SLU-SISMICA	-0.9010	-0.6928	82.65	-6.61
214	213	Shell-Thick	SLU-SISMICA	-0.8120	0.3689	80.54	-6.61
214	213	Shell-Thick	SLE-RARA	7.2387	2.0509	37.06	-4.61
214	213	Shell-Thick	SLE-RARA	7.2490	0.8587	39.22	-4.61
214	213	Shell-Thick	SLE-RARA	-0.4403	-0.6073	39.22	-6.77
214	213	Shell-Thick	SLE-RARA	-0.3407	0.4773	37.06	-6.77
214	213	Shell-Thick	SLE-FREQ.	6.9738	1.9986	35.66	-4.61
214	213	Shell-Thick	SLE-FREQ.	6.9839	0.8054	37.82	-4.61
214	213	Shell-Thick	SLE-FREQ.	-0.4255	-0.6046	37.82	-6.77
214	213	Shell-Thick	SLE-FREQ.	-0.3255	0.4808	35.66	-6.77
214	213	Shell-Thick	SLE-QP	6.1791	1.8416	31.46	-4.62
214	213	Shell-Thick	SLE-QP	6.1886	0.6457	33.63	-4.62
214	213	Shell-Thick	SLE-QP	-0.3810	-0.5963	33.63	-6.79
214	213	Shell-Thick	SLE-QP	-0.2800	0.4913	31.46	-6.79
215	214	Shell-Thick	SLU-STATICA	-0.3024	0.8783	38.33	-8.43
215	214	Shell-Thick	SLU-STATICA	-0.8755	-1.0800	40.51	-8.43
215	214	Shell-Thick	SLU-STATICA	-8.8209	-2.6004	40.51	-10.60
215	214	Shell-Thick	SLU-STATICA	-8.1385	-0.7492	38.33	-10.60
215	214	Shell-Thick	SLU-SISMICA	-0.7328	0.5547	62.63	-6.34
215	214	Shell-Thick	SLU-SISMICA	-1.1721	-0.9171	64.25	-6.34
215	214	Shell-Thick	SLU-SISMICA	-13.9116	-3.4244	64.25	-7.97
215	214	Shell-Thick	SLU-SISMICA	-13.3914	-2.0320	62.63	-7.97
215	214	Shell-Thick	SLE-RARA	-0.2225	0.6781	28.82	-6.49
215	214	Shell-Thick	SLE-RARA	-0.6633	-0.8290	30.49	-6.49
215	214	Shell-Thick	SLE-RARA	-6.6413	-1.9715	30.49	-8.16
215	214	Shell-Thick	SLE-RARA	-6.1162	-0.5469	28.82	-8.16
215	214	Shell-Thick	SLE-FREQ.	-0.2060	0.6820	27.73	-6.49
215	214	Shell-Thick	SLE-FREQ.	-0.6470	-0.8262	29.40	-6.49
215	214	Shell-Thick	SLE-FREQ.	-6.4072	-1.9247	29.40	-8.17
215	214	Shell-Thick	SLE-FREQ.	-5.8821	-0.4991	27.73	-8.17
215	214	Shell-Thick	SLE-QP	-0.1568	0.6939	24.46	-6.51
215	214	Shell-Thick	SLE-QP	-0.5978	-0.8177	26.14	-6.51
215	214	Shell-Thick	SLE-QP	-5.7052	-1.7844	26.14	-8.18
215	214	Shell-Thick	SLE-QP	-5.1795	-0.3557	24.46	-8.18
216	215	Shell-Thick	SLU-STATICA	-8.0292	-0.5562	27.38	-10.33
216	215	Shell-Thick	SLU-STATICA	-9.0433	-2.8160	28.92	-10.33
216	215	Shell-Thick	SLU-STATICA	-14.7162	-3.8987	28.92	-11.87
216	215	Shell-Thick	SLU-STATICA	-13.6256	-1.7140	27.38	-11.87
216	215	Shell-Thick	SLU-SISMICA	-13.3373	-1.8951	44.72	-7.77
216	215	Shell-Thick	SLU-SISMICA	-14.1188	-3.5919	45.88	-7.77
216	215	Shell-Thick	SLU-SISMICA	-23.2140	-5.3712	45.88	-8.92
216	215	Shell-Thick	SLU-SISMICA	-22.3775	-3.7283	44.72	-8.92
216	215	Shell-Thick	SLE-RARA	-6.0316	-0.3982	20.58	-7.95
216	215	Shell-Thick	SLE-RARA	-6.8117	-2.1373	21.77	-7.95
216	215	Shell-Thick	SLE-RARA	-11.0798	-2.9511	21.77	-9.14
216	215	Shell-Thick	SLE-RARA	-10.2408	-1.2698	20.58	-9.14
216	215	Shell-Thick	SLE-FREQ.	-5.7964	-0.3501	19.80	-7.96
216	215	Shell-Thick	SLE-FREQ.	-6.5765	-2.0905	20.99	-7.96
216	215	Shell-Thick	SLE-FREQ.	-10.6892	-2.8732	20.99	-9.15
216	215	Shell-Thick	SLE-FREQ.	-9.8501	-1.1906	19.80	-9.15
216	215	Shell-Thick	SLE-QP	-5.0910	-0.2055	17.47	-7.97
216	215	Shell-Thick	SLE-QP	-5.8709	-1.9500	18.67	-7.97
216	215	Shell-Thick	SLE-QP	-9.5175	-2.6395	18.67	-9.17
216	215	Shell-Thick	SLE-QP	-8.6782	-0.9532	17.47	-9.17
217	216	Shell-Thick	SLU-STATICA	-13.5552	-1.5866	16.43	-11.69
217	216	Shell-Thick	SLU-STATICA	-14.8663	-4.0421	17.35	-11.69
217	216	Shell-Thick	SLU-STATICA	-18.2694	-4.6950	17.35	-12.62
217	216	Shell-Thick	SLU-STATICA	-16.9125	-2.2844	16.43	-12.62
217	216	Shell-Thick	SLU-SISMICA	-22.3437	-3.6383	26.83	-8.79
217	216	Shell-Thick	SLU-SISMICA	-23.3538	-5.4825	27.52	-8.79
217	216	Shell-Thick	SLU-SISMICA	-28.8108	-6.5622	27.52	-9.47
217	216	Shell-Thick	SLU-SISMICA	-27.7664	-4.7515	26.83	-9.47
217	216	Shell-Thick	SLE-RARA	-10.1863	-1.1716	12.35	-9.00
217	216	Shell-Thick	SLE-RARA	-11.1948	-3.0613	13.06	-9.00
217	216	Shell-Thick	SLE-RARA	-13.7552	-3.5519	13.06	-9.71
217	216	Shell-Thick	SLE-RARA	-12.7114	-1.6967	12.35	-9.71
217	216	Shell-Thick	SLE-FREQ.	-9.7949	-1.0922	11.88	-9.01

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217	216	Shell-Thick	SLE-FREQ.	-10.8034	-2.9834	12.59	-9.01
217	216	Shell-Thick	SLE-FREQ.	-13.2706	-3.4550	12.59	-9.72
217	216	Shell-Thick	SLE-FREQ.	-12.2268	-1.5984	11.88	-9.72
217	216	Shell-Thick	SLE-QP	-8.6209	-0.8540	10.48	-9.03
217	216	Shell-Thick	SLE-QP	-9.6292	-2.7496	11.20	-9.03
217	216	Shell-Thick	SLE-QP	-11.8167	-3.1643	11.20	-9.74
217	216	Shell-Thick	SLE-QP	-10.7730	-1.3034	10.48	-9.74
218	217	Shell-Thick	SLU-STATICA	-16.8780	-2.2211	5.47	-12.53
218	217	Shell-Thick	SLU-STATICA	-18.3449	-4.7665	5.78	-12.53
218	217	Shell-Thick	SLU-STATICA	-19.4789	-4.9816	5.78	-12.83
218	217	Shell-Thick	SLU-STATICA	-17.9972	-2.4507	5.47	-12.83
218	217	Shell-Thick	SLU-SISMICA	-27.7502	-4.7068	8.94	-9.41
218	217	Shell-Thick	SLU-SISMICA	-28.8811	-6.6177	9.17	-9.41
218	217	Shell-Thick	SLU-SISMICA	-30.6989	-6.9681	9.17	-9.64
218	217	Shell-Thick	SLU-SISMICA	-29.5580	-5.0669	8.94	-9.64
218	217	Shell-Thick	SLE-RARA	-12.6847	-1.6479	4.12	-9.64
218	217	Shell-Thick	SLE-RARA	-13.8130	-3.6069	4.35	-9.64
218	217	Shell-Thick	SLE-RARA	-14.6662	-3.7687	4.35	-9.88
218	217	Shell-Thick	SLE-RARA	-13.5264	-1.8209	4.12	-9.88
218	217	Shell-Thick	SLE-FREQ.	-12.1997	-1.5495	3.96	-9.65
218	217	Shell-Thick	SLE-FREQ.	-13.3280	-3.5100	4.20	-9.65
218	217	Shell-Thick	SLE-FREQ.	-14.1502	-3.6657	4.20	-9.88
218	217	Shell-Thick	SLE-FREQ.	-13.0104	-1.7164	3.96	-9.88
218	217	Shell-Thick	SLE-QP	-10.7449	-1.2541	3.49	-9.67
218	217	Shell-Thick	SLE-QP	-11.8730	-3.2193	3.73	-9.67
218	217	Shell-Thick	SLE-QP	-12.6020	-3.3567	3.73	-9.91
218	217	Shell-Thick	SLE-QP	-11.4623	-1.4030	3.49	-9.91
219	218	Shell-Thick	SLU-STATICA	-17.9972	-2.4507	-5.47	-12.83
219	218	Shell-Thick	SLU-STATICA	-19.4789	-4.9816	-5.78	-12.83
219	218	Shell-Thick	SLU-STATICA	-18.3449	-4.7665	-5.78	-12.53
219	218	Shell-Thick	SLU-STATICA	-16.8780	-2.2211	-5.47	-12.53
219	218	Shell-Thick	SLU-SISMICA	-29.5580	-5.0669	-8.94	-9.64
219	218	Shell-Thick	SLU-SISMICA	-30.6989	-6.9681	-9.17	-9.64
219	218	Shell-Thick	SLU-SISMICA	-28.8811	-6.6177	-9.17	-9.41
219	218	Shell-Thick	SLU-SISMICA	-27.7502	-4.7068	-8.94	-9.41
219	218	Shell-Thick	SLE-RARA	-13.5264	-1.8209	-4.12	-9.88
219	218	Shell-Thick	SLE-RARA	-14.6662	-3.7687	-4.35	-9.88
219	218	Shell-Thick	SLE-RARA	-13.8130	-3.6069	-4.35	-9.64
219	218	Shell-Thick	SLE-RARA	-12.6847	-1.6479	-4.12	-9.64
219	218	Shell-Thick	SLE-FREQ.	-13.0104	-1.7164	-3.96	-9.88
219	218	Shell-Thick	SLE-FREQ.	-14.1502	-3.6657	-4.20	-9.88
219	218	Shell-Thick	SLE-FREQ.	-13.3280	-3.5100	-4.20	-9.65
219	218	Shell-Thick	SLE-FREQ.	-12.1997	-1.5495	-3.96	-9.65
219	218	Shell-Thick	SLE-QP	-11.4623	-1.4030	-3.49	-9.91
219	218	Shell-Thick	SLE-QP	-12.6020	-3.3567	-3.73	-9.91
219	218	Shell-Thick	SLE-QP	-11.8730	-3.2193	-3.73	-9.67
219	218	Shell-Thick	SLE-QP	-10.7449	-1.2541	-3.49	-9.67
220	219	Shell-Thick	SLU-STATICA	-16.9125	-2.2844	-16.43	-12.62
220	219	Shell-Thick	SLU-STATICA	-18.2694	-4.6950	-17.35	-12.62
220	219	Shell-Thick	SLU-STATICA	-14.8663	-4.0421	-17.35	-11.69
220	219	Shell-Thick	SLU-STATICA	-13.5552	-1.5866	-16.43	-11.69
220	219	Shell-Thick	SLU-SISMICA	-27.7664	-4.7515	-26.83	-9.47
220	219	Shell-Thick	SLU-SISMICA	-28.8108	-6.5622	-27.52	-9.47
220	219	Shell-Thick	SLU-SISMICA	-23.3538	-5.4825	-27.52	-8.79
220	219	Shell-Thick	SLU-SISMICA	-22.3437	-3.6383	-26.83	-8.79
220	219	Shell-Thick	SLE-RARA	-12.7114	-1.6967	-12.35	-9.71
220	219	Shell-Thick	SLE-RARA	-13.7552	-3.5519	-13.06	-9.71
220	219	Shell-Thick	SLE-RARA	-11.1948	-3.0613	-13.06	-9.00
220	219	Shell-Thick	SLE-RARA	-10.1863	-1.1716	-12.35	-9.00
220	219	Shell-Thick	SLE-FREQ.	-12.2268	-1.5984	-11.88	-9.72
220	219	Shell-Thick	SLE-FREQ.	-13.2706	-3.4550	-12.59	-9.72
220	219	Shell-Thick	SLE-FREQ.	-10.8034	-2.9834	-12.59	-9.01
220	219	Shell-Thick	SLE-FREQ.	-9.7949	-1.0922	-11.88	-9.01
220	219	Shell-Thick	SLE-QP	-10.7730	-1.3034	-10.48	-9.74
220	219	Shell-Thick	SLE-QP	-11.8167	-3.1643	-11.20	-9.74
220	219	Shell-Thick	SLE-QP	-9.6292	-2.7496	-11.20	-9.03
220	219	Shell-Thick	SLE-QP	-8.6209	-0.8540	-10.48	-9.03
221	220	Shell-Thick	SLU-STATICA	-13.6256	-1.7140	-27.38	-11.87
221	220	Shell-Thick	SLU-STATICA	-14.7162	-3.8987	-28.92	-11.87



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

221	220	Shell-Thick	SLU-STATICA	-9.0433	-2.8160	-28.92	-10.33
221	220	Shell-Thick	SLU-STATICA	-8.0292	-0.5562	-27.38	-10.33
221	220	Shell-Thick	SLU-SISMICA	-22.3775	-3.7283	-44.72	-8.92
221	220	Shell-Thick	SLU-SISMICA	-23.2140	-5.3712	-45.88	-8.92
221	220	Shell-Thick	SLU-SISMICA	-14.1188	-3.5919	-45.88	-7.77
221	220	Shell-Thick	SLU-SISMICA	-13.3373	-1.8951	-44.72	-7.77
221	220	Shell-Thick	SLE-RARA	-10.2408	-1.2698	-20.58	-9.14
221	220	Shell-Thick	SLE-RARA	-11.0798	-2.9511	-21.77	-9.14
221	220	Shell-Thick	SLE-RARA	-6.8117	-2.1373	-21.77	-7.95
221	220	Shell-Thick	SLE-RARA	-6.0316	-0.3982	-20.58	-7.95
221	220	Shell-Thick	SLE-FREQ.	-9.8501	-1.1906	-19.80	-9.15
221	220	Shell-Thick	SLE-FREQ.	-10.6892	-2.8732	-20.99	-9.15
221	220	Shell-Thick	SLE-FREQ.	-6.5765	-2.0905	-20.99	-7.96
221	220	Shell-Thick	SLE-FREQ.	-5.7964	-0.3501	-19.80	-7.96
221	220	Shell-Thick	SLE-QP	-8.6782	-0.9532	-17.47	-9.17
221	220	Shell-Thick	SLE-QP	-9.5175	-2.6395	-18.67	-9.17
221	220	Shell-Thick	SLE-QP	-5.8709	-1.9500	-18.67	-7.97
221	220	Shell-Thick	SLE-QP	-5.0910	-0.2055	-17.47	-7.97
222	221	Shell-Thick	SLU-STATICA	-8.1385	-0.7492	-38.33	-10.60
222	221	Shell-Thick	SLU-STATICA	-8.8209	-2.6004	-40.51	-10.60
222	221	Shell-Thick	SLU-STATICA	-0.8755	-1.0800	-40.51	-8.43
222	221	Shell-Thick	SLU-STATICA	-0.3023	0.8783	-38.33	-8.43
222	221	Shell-Thick	SLU-SISMICA	-13.3914	-2.0320	-62.63	-7.97
222	221	Shell-Thick	SLU-SISMICA	-13.9116	-3.4244	-64.25	-7.97
222	221	Shell-Thick	SLU-SISMICA	-1.1721	-0.9171	-64.25	-6.34
222	221	Shell-Thick	SLU-SISMICA	-0.7328	0.5547	-62.63	-6.34
222	221	Shell-Thick	SLE-RARA	-6.1162	-0.5469	-28.82	-8.16
222	221	Shell-Thick	SLE-RARA	-6.6413	-1.9715	-30.49	-8.16
222	221	Shell-Thick	SLE-RARA	-0.6633	-0.8290	-30.49	-6.49
222	221	Shell-Thick	SLE-RARA	-0.2225	0.6781	-28.82	-6.49
222	221	Shell-Thick	SLE-FREQ.	-5.8821	-0.4991	-27.73	-8.17
222	221	Shell-Thick	SLE-FREQ.	-6.4072	-1.9247	-29.40	-8.17
222	221	Shell-Thick	SLE-FREQ.	-0.6470	-0.8262	-29.40	-6.49
222	221	Shell-Thick	SLE-FREQ.	-0.2060	0.6820	-27.73	-6.49
222	221	Shell-Thick	SLE-QP	-5.1795	-0.3557	-24.46	-8.18
222	221	Shell-Thick	SLE-QP	-5.7052	-1.7844	-26.14	-8.18
222	221	Shell-Thick	SLE-QP	-0.5978	-0.8177	-26.14	-6.51
222	221	Shell-Thick	SLE-QP	-0.1568	0.6939	-24.46	-6.51
223	222	Shell-Thick	SLU-STATICA	-0.4551	0.6177	-49.30	-8.80
223	222	Shell-Thick	SLU-STATICA	-0.5842	-0.7917	-52.11	-8.80
223	222	Shell-Thick	SLU-STATICA	9.6357	1.1589	-52.11	-5.98
223	222	Shell-Thick	SLU-STATICA	9.6223	2.7081	-49.30	-5.98
223	222	Shell-Thick	SLU-SISMICA	-0.8120	0.3689	-80.54	-6.61
223	222	Shell-Thick	SLU-SISMICA	-0.9010	-0.6928	-82.65	-6.61
223	222	Shell-Thick	SLU-SISMICA	15.4843	2.5129	-82.65	-4.51
223	222	Shell-Thick	SLU-SISMICA	15.4688	3.6769	-80.54	-4.51
223	222	Shell-Thick	SLE-RARA	-0.3407	0.4773	-37.06	-6.77
223	222	Shell-Thick	SLE-RARA	-0.4403	-0.6073	-39.22	-6.77
223	222	Shell-Thick	SLE-RARA	7.2490	0.8587	-39.22	-4.61
223	222	Shell-Thick	SLE-RARA	7.2387	2.0509	-37.06	-4.61
223	222	Shell-Thick	SLE-FREQ.	-0.3255	0.4808	-35.66	-6.77
223	222	Shell-Thick	SLE-FREQ.	-0.4255	-0.6046	-37.82	-6.77
223	222	Shell-Thick	SLE-FREQ.	6.9839	0.8054	-37.82	-4.61
223	222	Shell-Thick	SLE-FREQ.	6.9738	1.9986	-35.66	-4.61
223	222	Shell-Thick	SLE-QP	-0.2800	0.4913	-31.46	-6.79
223	222	Shell-Thick	SLE-QP	-0.3810	-0.5963	-33.63	-6.79
223	222	Shell-Thick	SLE-QP	6.1886	0.6457	-33.63	-4.62
223	222	Shell-Thick	SLE-QP	6.1791	1.8416	-31.46	-4.62
224	223	Shell-Thick	SLU-STATICA	9.4202	2.3769	-60.26	-6.45
224	223	Shell-Thick	SLU-STATICA	9.9896	1.5204	-63.72	-6.45
224	223	Shell-Thick	SLU-STATICA	22.4881	3.9102	-63.72	-2.99
224	223	Shell-Thick	SLU-STATICA	21.7398	4.9422	-60.26	-2.99
224	223	Shell-Thick	SLU-SISMICA	15.3593	3.4393	-98.48	-4.85
224	223	Shell-Thick	SLU-SISMICA	15.8123	2.7943	-101.08	-4.85
224	223	Shell-Thick	SLU-SISMICA	35.8510	6.7282	-101.08	-2.25
224	223	Shell-Thick	SLU-SISMICA	35.2643	7.5043	-98.48	-2.25
224	223	Shell-Thick	SLE-RARA	7.0824	1.7959	-45.30	-4.96
224	223	Shell-Thick	SLE-RARA	7.5201	1.1367	-47.97	-4.96
224	223	Shell-Thick	SLE-RARA	16.9236	2.9327	-47.97	-2.30

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

224	223	Shell-Thick	SLE-RARA	16.3482	3.7269	-45.30	-2.30
224	223	Shell-Thick	SLE-FREQ.	6.8160	1.7430	-43.59	-4.97
224	223	Shell-Thick	SLE-FREQ.	7.2532	1.0834	-46.26	-4.97
224	223	Shell-Thick	SLE-FREQ.	16.3144	2.8105	-46.26	-2.30
224	223	Shell-Thick	SLE-FREQ.	15.7394	3.6053	-43.59	-2.30
224	223	Shell-Thick	SLE-QP	6.0167	1.5843	-38.46	-4.98
224	223	Shell-Thick	SLE-QP	6.4524	0.9233	-41.13	-4.98
224	223	Shell-Thick	SLE-QP	14.4867	2.4440	-41.13	-2.30
224	223	Shell-Thick	SLE-QP	13.9127	3.2405	-38.46	-2.30
225	224	Shell-Thick	SLU-STATICA	21.4811	4.5371	-71.24	-3.55
225	224	Shell-Thick	SLU-STATICA	22.8965	4.3453	-75.36	-3.55
225	224	Shell-Thick	SLU-STATICA	37.6764	7.1701	-75.36	0.57
225	224	Shell-Thick	SLU-STATICA	36.0445	7.5741	-71.24	0.57
225	224	Shell-Thick	SLU-SISMICA	35.1160	7.2113	-116.42	-2.67
225	224	Shell-Thick	SLU-SISMICA	36.2279	7.0669	-119.53	-2.67
225	224	Shell-Thick	SLU-SISMICA	59.9228	11.7061	-119.53	0.44
225	224	Shell-Thick	SLU-SISMICA	58.6499	12.0084	-116.42	0.44
225	224	Shell-Thick	SLE-RARA	16.1482	3.4148	-53.55	-2.73
225	224	Shell-Thick	SLE-RARA	17.2365	3.2673	-56.72	-2.73
225	224	Shell-Thick	SLE-RARA	28.3566	5.3903	-56.72	0.44
225	224	Shell-Thick	SLE-RARA	27.1017	5.7013	-53.55	0.44
225	224	Shell-Thick	SLE-FREQ.	15.5377	3.2926	-51.53	-2.73
225	224	Shell-Thick	SLE-FREQ.	16.6252	3.1450	-54.70	-2.73
225	224	Shell-Thick	SLE-FREQ.	27.3405	5.1870	-54.70	0.44
225	224	Shell-Thick	SLE-FREQ.	26.0862	5.4983	-51.53	0.44
225	224	Shell-Thick	SLE-QP	13.7060	2.9260	-45.46	-2.74
225	224	Shell-Thick	SLE-QP	14.7913	2.7781	-48.64	-2.74
225	224	Shell-Thick	SLE-QP	24.2923	4.5771	-48.64	0.44
225	224	Shell-Thick	SLE-QP	23.0397	4.8893	-45.46	0.44
226	225	Shell-Thick	SLU-STATICA	38.0711	7.9782	75.02	0.57
226	225	Shell-Thick	SLU-STATICA	39.7064	7.5773	79.12	0.57
226	225	Shell-Thick	SLU-STATICA	24.1726	4.5969	79.12	-3.53
226	225	Shell-Thick	SLU-STATICA	22.7518	4.7874	75.02	-3.53
226	225	Shell-Thick	SLU-SISMICA	60.2211	12.3208	119.27	0.43
226	225	Shell-Thick	SLU-SISMICA	61.4952	12.0224	122.34	0.43
226	225	Shell-Thick	SLU-SISMICA	37.2343	7.2603	122.34	-2.63
226	225	Shell-Thick	SLU-SISMICA	36.1196	7.4024	119.27	-2.63
226	225	Shell-Thick	SLE-RARA	28.6603	6.0121	56.46	0.44
226	225	Shell-Thick	SLE-RARA	29.9179	5.7035	59.62	0.44
226	225	Shell-Thick	SLE-RARA	18.2176	3.4608	59.62	-2.71
226	225	Shell-Thick	SLE-RARA	17.1251	3.6074	56.46	-2.71
226	225	Shell-Thick	SLE-FREQ.	27.6444	5.8091	54.44	0.44
226	225	Shell-Thick	SLE-FREQ.	28.9015	5.5001	57.60	0.44
226	225	Shell-Thick	SLE-FREQ.	17.6055	3.3385	57.60	-2.72
226	225	Shell-Thick	SLE-FREQ.	16.5138	3.4853	54.44	-2.72
226	225	Shell-Thick	SLE-QP	24.5967	5.1999	48.38	0.44
226	225	Shell-Thick	SLE-QP	25.8522	4.8899	51.54	0.44
226	225	Shell-Thick	SLE-QP	15.7692	2.9716	51.54	-2.72
226	225	Shell-Thick	SLE-QP	14.6796	3.1188	48.38	-2.72
227	226	Shell-Thick	SLU-STATICA	22.9384	5.1745	63.44	-2.97
227	226	Shell-Thick	SLU-STATICA	23.6870	4.1499	66.87	-2.97
227	226	Shell-Thick	SLU-STATICA	10.5573	1.6310	66.87	-6.41
227	226	Shell-Thick	SLU-STATICA	9.9847	2.4830	63.44	-6.41
227	226	Shell-Thick	SLU-SISMICA	36.1900	7.6747	100.86	-2.22
227	226	Shell-Thick	SLU-SISMICA	36.7749	6.9102	103.42	-2.22
227	226	Shell-Thick	SLU-SISMICA	16.2658	2.8887	103.42	-4.79
227	226	Shell-Thick	SLU-SISMICA	15.8092	3.5274	100.86	-4.79
227	226	Shell-Thick	SLE-RARA	17.2701	3.9057	47.74	-2.28
227	226	Shell-Thick	SLE-RARA	17.8458	3.1171	50.39	-2.28
227	226	Shell-Thick	SLE-RARA	7.9564	1.2216	50.39	-4.93
227	226	Shell-Thick	SLE-RARA	7.5163	1.8773	47.74	-4.93
227	226	Shell-Thick	SLE-FREQ.	16.6611	3.7844	46.04	-2.29
227	226	Shell-Thick	SLE-FREQ.	17.2366	2.9950	48.68	-2.29
227	226	Shell-Thick	SLE-FREQ.	7.6889	1.1679	48.68	-4.94
227	226	Shell-Thick	SLE-FREQ.	7.2493	1.8242	46.04	-4.94
227	226	Shell-Thick	SLE-QP	14.8341	3.4205	40.91	-2.29
227	226	Shell-Thick	SLE-QP	15.4087	2.6288	43.56	-2.29
227	226	Shell-Thick	SLE-QP	6.8866	1.0069	43.56	-4.95
227	226	Shell-Thick	SLE-QP	6.4485	1.6648	40.91	-4.95

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

228	227	Shell-Thick	SLU-STATICA	10.1242	2.7983	51.87	-5.95
228	227	Shell-Thick	SLU-STATICA	10.1372	1.2596	54.66	-5.95
228	227	Shell-Thick	SLU-STATICA	-0.5954	-0.8060	54.66	-8.74
228	227	Shell-Thick	SLU-STATICA	-0.4675	0.5946	51.87	-8.74
228	227	Shell-Thick	SLU-SISMICA	15.8507	3.7467	82.48	-4.45
228	227	Shell-Thick	SLU-SISMICA	15.8655	2.5977	84.55	-4.45
228	227	Shell-Thick	SLU-SISMICA	-0.9025	-0.7073	84.55	-6.52
228	227	Shell-Thick	SLU-SISMICA	-0.8140	0.3405	82.48	-6.52
228	227	Shell-Thick	SLE-RARA	7.6249	2.1203	39.04	-4.58
228	227	Shell-Thick	SLE-RARA	7.6348	0.9360	41.19	-4.58
228	227	Shell-Thick	SLE-RARA	-0.4490	-0.6183	41.19	-6.72
228	227	Shell-Thick	SLE-RARA	-0.3505	0.4597	39.04	-6.72
228	227	Shell-Thick	SLE-FREQ.	7.3601	2.0680	37.64	-4.58
228	227	Shell-Thick	SLE-FREQ.	7.3699	0.8825	39.79	-4.58
228	227	Shell-Thick	SLE-FREQ.	-0.4344	-0.6154	39.79	-6.73
228	227	Shell-Thick	SLE-FREQ.	-0.3355	0.4635	37.64	-6.73
228	227	Shell-Thick	SLE-QP	6.5658	1.9109	33.45	-4.59
228	227	Shell-Thick	SLE-QP	6.5751	0.7220	35.61	-4.59
228	227	Shell-Thick	SLE-QP	-0.3906	-0.6068	35.61	-6.75
228	227	Shell-Thick	SLE-QP	-0.2908	0.4751	33.45	-6.75
229	228	Shell-Thick	SLU-STATICA	-0.3659	0.8422	40.32	-8.37
229	228	Shell-Thick	SLU-STATICA	-0.9392	-1.1021	42.48	-8.37
229	228	Shell-Thick	SLU-STATICA	-9.2798	-2.7077	42.48	-10.53
229	228	Shell-Thick	SLU-STATICA	-8.5995	-0.8683	40.32	-10.53
229	228	Shell-Thick	SLU-SISMICA	-0.7916	0.5111	64.12	-6.26
229	228	Shell-Thick	SLU-SISMICA	-1.2306	-0.9391	65.71	-6.26
229	228	Shell-Thick	SLU-SISMICA	-14.2625	-3.5015	65.71	-7.86
229	228	Shell-Thick	SLU-SISMICA	-13.7469	-2.1263	64.12	-7.86
229	228	Shell-Thick	SLE-RARA	-0.2712	0.6506	30.35	-6.45
229	228	Shell-Thick	SLE-RARA	-0.7122	-0.8459	32.01	-6.45
229	228	Shell-Thick	SLE-RARA	-6.9944	-2.0542	32.01	-8.10
229	228	Shell-Thick	SLE-RARA	-6.4709	-0.6384	30.35	-8.10
229	228	Shell-Thick	SLE-FREQ.	-0.2544	0.6551	29.26	-6.45
229	228	Shell-Thick	SLE-FREQ.	-0.6955	-0.8429	30.92	-6.45
229	228	Shell-Thick	SLE-FREQ.	-6.7604	-2.0076	30.92	-8.11
229	228	Shell-Thick	SLE-FREQ.	-6.2367	-0.5905	29.26	-8.11
229	228	Shell-Thick	SLE-QP	-0.2042	0.6685	26.00	-6.47
229	228	Shell-Thick	SLE-QP	-0.6455	-0.8339	27.67	-6.47
229	228	Shell-Thick	SLE-QP	-6.0586	-1.8678	27.67	-8.14
229	228	Shell-Thick	SLE-QP	-5.5341	-0.4468	26.00	-8.14
230	229	Shell-Thick	SLU-STATICA	-8.5286	-0.6852	28.79	-10.26
230	229	Shell-Thick	SLU-STATICA	-9.5413	-2.9289	30.32	-10.26
230	229	Shell-Thick	SLU-STATICA	-15.4954	-4.0803	30.32	-11.79
230	229	Shell-Thick	SLU-STATICA	-14.4072	-1.9107	28.79	-11.79
230	229	Shell-Thick	SLU-SISMICA	-13.7353	-2.0010	45.78	-7.66
230	229	Shell-Thick	SLU-SISMICA	-14.5123	-3.6744	46.91	-7.66
230	229	Shell-Thick	SLU-SISMICA	-23.8169	-5.5184	46.91	-8.79
230	229	Shell-Thick	SLU-SISMICA	-22.9848	-3.8989	45.78	-8.79
230	229	Shell-Thick	SLE-RARA	-6.4155	-0.4973	21.67	-7.90
230	229	Shell-Thick	SLE-RARA	-7.1945	-2.2243	22.85	-7.90
230	229	Shell-Thick	SLE-RARA	-11.6791	-3.0906	22.85	-9.07
230	229	Shell-Thick	SLE-RARA	-10.8419	-1.4207	21.67	-9.07
230	229	Shell-Thick	SLE-FREQ.	-6.1799	-0.4489	20.89	-7.90
230	229	Shell-Thick	SLE-FREQ.	-6.9590	-2.1776	22.07	-7.90
230	229	Shell-Thick	SLE-FREQ.	-11.2885	-3.0125	22.07	-9.08
230	229	Shell-Thick	SLE-FREQ.	-10.4510	-1.3409	20.89	-9.08
230	229	Shell-Thick	SLE-QP	-5.4731	-0.3037	18.57	-7.93
230	229	Shell-Thick	SLE-QP	-6.2524	-2.0375	19.75	-7.93
230	229	Shell-Thick	SLE-QP	-10.1164	-2.7781	19.75	-9.11
230	229	Shell-Thick	SLE-QP	-9.2785	-1.1016	18.57	-9.11
231	230	Shell-Thick	SLU-STATICA	-14.3623	-1.7899	17.27	-11.61
231	230	Shell-Thick	SLU-STATICA	-15.6710	-4.2273	18.18	-11.61
231	230	Shell-Thick	SLU-STATICA	-19.2417	-4.9162	18.18	-12.52
231	230	Shell-Thick	SLU-STATICA	-17.8885	-2.5225	17.27	-12.52
231	230	Shell-Thick	SLU-SISMICA	-22.9796	-3.8166	27.46	-8.66
231	230	Shell-Thick	SLU-SISMICA	-23.9845	-5.6331	28.14	-8.66
231	230	Shell-Thick	SLU-SISMICA	-29.5642	-6.7303	28.14	-9.34
231	230	Shell-Thick	SLU-SISMICA	-28.5282	-4.9442	27.46	-9.34
231	230	Shell-Thick	SLE-RARA	-10.8068	-1.3276	13.00	-8.94

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

231	230	Shell-Thick	SLE-RARA	-11.8135	-3.2036	13.70	-8.94
231	230	Shell-Thick	SLE-RARA	-14.5030	-3.7221	13.70	-9.64
231	230	Shell-Thick	SLE-RARA	-13.4619	-1.8796	13.00	-9.64
231	230	Shell-Thick	SLE-FREQ.	-10.4150	-1.2474	12.53	-8.95
231	230	Shell-Thick	SLE-FREQ.	-11.4218	-3.1254	13.24	-8.95
231	230	Shell-Thick	SLE-FREQ.	-14.0182	-3.6253	13.24	-9.65
231	230	Shell-Thick	SLE-FREQ.	-12.9770	-1.7810	12.53	-9.65
231	230	Shell-Thick	SLE-QP	-9.2395	-1.0071	11.14	-8.97
231	230	Shell-Thick	SLE-QP	-10.2465	-2.8908	11.84	-8.97
231	230	Shell-Thick	SLE-QP	-12.5638	-3.3348	11.84	-9.68
231	230	Shell-Thick	SLE-QP	-11.5221	-1.4851	11.14	-9.68
232	231	Shell-Thick	SLU-STATICA	-17.8667	-2.4624	5.76	-12.44
232	231	Shell-Thick	SLU-STATICA	-19.3298	-4.9895	6.06	-12.44
232	231	Shell-Thick	SLU-STATICA	-20.5199	-5.2216	6.06	-12.74
232	231	Shell-Thick	SLU-STATICA	-19.0418	-2.7093	5.76	-12.74
232	231	Shell-Thick	SLU-SISMICA	-28.5262	-4.9035	9.15	-9.27
232	231	Shell-Thick	SLU-SISMICA	-29.6483	-6.7875	9.38	-9.27
232	231	Shell-Thick	SLU-SISMICA	-31.5087	-7.1621	9.38	-9.50
232	231	Shell-Thick	SLU-SISMICA	-30.3751	-5.2893	9.15	-9.50
232	231	Shell-Thick	SLE-RARA	-13.4449	-1.8334	4.33	-9.57
232	231	Shell-Thick	SLE-RARA	-14.5704	-3.7785	4.57	-9.57
232	231	Shell-Thick	SLE-RARA	-15.4668	-3.9531	4.57	-9.81
232	231	Shell-Thick	SLE-RARA	-14.3297	-2.0193	4.33	-9.81
232	231	Shell-Thick	SLE-FREQ.	-12.9595	-1.7345	4.18	-9.58
232	231	Shell-Thick	SLE-FREQ.	-14.0850	-3.6816	4.41	-9.58
232	231	Shell-Thick	SLE-FREQ.	-14.9504	-3.8498	4.41	-9.82
232	231	Shell-Thick	SLE-FREQ.	-13.8133	-1.9140	4.18	-9.82
232	231	Shell-Thick	SLE-QP	-11.5031	-1.4381	3.71	-9.61
232	231	Shell-Thick	SLE-QP	-12.6291	-3.3911	3.95	-9.61
232	231	Shell-Thick	SLE-QP	-13.4014	-3.5399	3.95	-9.85
232	231	Shell-Thick	SLE-QP	-12.2638	-1.5983	3.71	-9.85
232	232	Shell-Thick	SLU-STATICA	-19.0418	-2.7093	-5.76	-12.74
233	232	Shell-Thick	SLU-STATICA	-20.5199	-5.2216	-6.06	-12.74
233	232	Shell-Thick	SLU-STATICA	-19.3298	-4.9895	-6.06	-12.44
233	232	Shell-Thick	SLU-STATICA	-17.8667	-2.4624	-5.76	-12.44
233	232	Shell-Thick	SLU-SISMICA	-30.3751	-5.2893	-9.15	-9.50
233	232	Shell-Thick	SLU-SISMICA	-31.5087	-7.1621	-9.38	-9.50
233	232	Shell-Thick	SLU-SISMICA	-29.6483	-6.7875	-9.38	-9.27
233	232	Shell-Thick	SLU-SISMICA	-28.5262	-4.9035	-9.15	-9.27
233	232	Shell-Thick	SLE-RARA	-14.3297	-2.0193	-4.33	-9.81
233	232	Shell-Thick	SLE-RARA	-15.4668	-3.9531	-4.57	-9.81
233	232	Shell-Thick	SLE-RARA	-14.5704	-3.7785	-4.57	-9.57
233	232	Shell-Thick	SLE-RARA	-13.4449	-1.8334	-4.33	-9.57
233	232	Shell-Thick	SLE-FREQ.	-13.8133	-1.9140	-4.18	-9.82
233	232	Shell-Thick	SLE-FREQ.	-14.9504	-3.8498	-4.41	-9.82
233	232	Shell-Thick	SLE-FREQ.	-14.0850	-3.6816	-4.41	-9.58
233	232	Shell-Thick	SLE-FREQ.	-12.9595	-1.7345	-4.18	-9.58
233	232	Shell-Thick	SLE-QP	-12.2638	-1.5983	-3.71	-9.85
233	232	Shell-Thick	SLE-QP	-13.4014	-3.5399	-3.95	-9.85
233	232	Shell-Thick	SLE-QP	-12.6291	-3.3911	-3.95	-9.61
233	232	Shell-Thick	SLE-QP	-11.5031	-1.4381	-3.71	-9.61
234	233	Shell-Thick	SLU-STATICA	-17.8885	-2.5225	-17.27	-12.52
234	233	Shell-Thick	SLU-STATICA	-19.2417	-4.9162	-18.18	-12.52
234	233	Shell-Thick	SLU-STATICA	-15.6710	-4.2273	-18.18	-11.61
234	233	Shell-Thick	SLU-STATICA	-14.3623	-1.7899	-17.27	-11.61
234	233	Shell-Thick	SLU-SISMICA	-28.5282	-4.9442	-27.46	-9.34
234	233	Shell-Thick	SLU-SISMICA	-29.5642	-6.7303	-28.14	-9.34
234	233	Shell-Thick	SLU-SISMICA	-23.9845	-5.6331	-28.14	-8.66
234	233	Shell-Thick	SLU-SISMICA	-22.9796	-3.8166	-27.46	-8.66
234	233	Shell-Thick	SLE-RARA	-13.4619	-1.8796	-13.00	-9.64
234	233	Shell-Thick	SLE-RARA	-14.5030	-3.7221	-13.70	-9.64
234	233	Shell-Thick	SLE-RARA	-11.8135	-3.2036	-13.70	-8.94
234	233	Shell-Thick	SLE-RARA	-10.8068	-1.3276	-13.00	-8.94
234	233	Shell-Thick	SLE-FREQ.	-12.9770	-1.7810	-12.53	-9.65
234	233	Shell-Thick	SLE-FREQ.	-14.0182	-3.6253	-13.24	-9.65
234	233	Shell-Thick	SLE-FREQ.	-11.4218	-3.1254	-13.24	-8.95
234	233	Shell-Thick	SLE-FREQ.	-10.4150	-1.2474	-12.53	-8.95
234	233	Shell-Thick	SLE-QP	-11.5221	-1.4851	-11.14	-9.68
234	233	Shell-Thick	SLE-QP	-12.5638	-3.3348	-11.84	-9.68

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

234	233	Shell-Thick	SLE-QP	-10.2465	-2.8908	-11.84	-8.97
234	233	Shell-Thick	SLE-QP	-9.2395	-1.0071	-11.14	-8.97
235	234	Shell-Thick	SLU-STATICA	-14.4072	-1.9107	-28.79	-11.79
235	234	Shell-Thick	SLU-STATICA	-15.4954	-4.0803	-30.32	-11.79
235	234	Shell-Thick	SLU-STATICA	-9.5413	-2.9289	-30.32	-10.26
235	234	Shell-Thick	SLU-STATICA	-8.5286	-0.6852	-28.79	-10.26
235	234	Shell-Thick	SLU-SISMICA	-22.9848	-3.8989	-45.78	-8.79
235	234	Shell-Thick	SLU-SISMICA	-23.8169	-5.5184	-46.91	-8.79
235	234	Shell-Thick	SLU-SISMICA	-14.5123	-3.6744	-46.91	-7.66
235	234	Shell-Thick	SLU-SISMICA	-13.7353	-2.0010	-45.78	-7.66
235	234	Shell-Thick	SLE-RARA	-10.8419	-1.4207	-21.67	-9.07
235	234	Shell-Thick	SLE-RARA	-11.6791	-3.0906	-22.85	-9.07
235	234	Shell-Thick	SLE-RARA	-7.1945	-2.2243	-22.85	-7.90
235	234	Shell-Thick	SLE-RARA	-6.4155	-0.4973	-21.67	-7.90
235	234	Shell-Thick	SLE-FREQ.	-10.4510	-1.3409	-20.89	-9.08
235	234	Shell-Thick	SLE-FREQ.	-11.2885	-3.0125	-22.07	-9.08
235	234	Shell-Thick	SLE-FREQ.	-6.9590	-2.1776	-22.07	-7.90
235	234	Shell-Thick	SLE-FREQ.	-6.1799	-0.4489	-20.89	-7.90
235	234	Shell-Thick	SLE-QP	-9.2785	-1.1016	-18.57	-9.11
235	234	Shell-Thick	SLE-QP	-10.1164	-2.7781	-19.75	-9.11
235	234	Shell-Thick	SLE-QP	-6.2524	-2.0375	-19.75	-7.93
235	234	Shell-Thick	SLE-QP	-5.4731	-0.3037	-18.57	-7.93
236	235	Shell-Thick	SLU-STATICA	-8.5995	-0.8683	-40.32	-10.53
236	235	Shell-Thick	SLU-STATICA	-9.2798	-2.7077	-42.48	-10.53
236	235	Shell-Thick	SLU-STATICA	-0.9392	-1.1021	-42.48	-8.37
236	235	Shell-Thick	SLU-STATICA	-0.3659	0.8422	-40.32	-8.37
236	235	Shell-Thick	SLU-SISMICA	-13.7469	-2.1263	-64.12	-7.86
236	235	Shell-Thick	SLU-SISMICA	-14.2625	-3.5015	-65.71	-7.86
236	235	Shell-Thick	SLU-SISMICA	-1.2306	-0.9391	-65.71	-6.26
236	235	Shell-Thick	SLU-SISMICA	-0.7916	0.5111	-64.12	-6.26
236	235	Shell-Thick	SLE-RARA	-6.4709	-0.6384	-30.35	-8.10
236	235	Shell-Thick	SLE-RARA	-6.9944	-2.0542	-32.01	-8.10
236	235	Shell-Thick	SLE-RARA	-0.7122	-0.8459	-32.01	-6.45
236	235	Shell-Thick	SLE-RARA	-0.2712	0.6506	-30.35	-6.45
236	235	Shell-Thick	SLE-FREQ.	-6.2367	-0.5905	-29.26	-8.11
236	235	Shell-Thick	SLE-FREQ.	-6.7604	-2.0076	-30.92	-8.11
236	235	Shell-Thick	SLE-FREQ.	-0.6955	-0.8429	-30.92	-6.45
236	235	Shell-Thick	SLE-FREQ.	-0.2544	0.6551	-29.26	-6.45
236	235	Shell-Thick	SLE-QP	-5.5341	-0.4468	-26.00	-8.14
236	235	Shell-Thick	SLE-QP	-6.0586	-1.8678	-27.67	-8.14
236	235	Shell-Thick	SLE-QP	-0.6455	-0.8339	-27.67	-6.47
236	235	Shell-Thick	SLE-QP	-0.2042	0.6685	-26.00	-6.47
237	236	Shell-Thick	SLU-STATICA	-0.4675	0.5946	-51.87	-8.74
237	236	Shell-Thick	SLU-STATICA	-0.5954	-0.8060	-54.66	-8.74
237	236	Shell-Thick	SLU-STATICA	10.1372	1.2596	-54.66	-5.95
237	236	Shell-Thick	SLU-STATICA	10.1242	2.7983	-51.87	-5.95
237	236	Shell-Thick	SLU-SISMICA	-0.8140	0.3405	-82.48	-6.52
237	236	Shell-Thick	SLU-SISMICA	-0.9025	-0.7073	-84.55	-6.52
237	236	Shell-Thick	SLU-SISMICA	15.8655	2.5977	-84.55	-4.45
237	236	Shell-Thick	SLU-SISMICA	15.8507	3.7467	-82.48	-4.45
237	236	Shell-Thick	SLE-RARA	-0.3505	0.4597	-39.04	-6.72
237	236	Shell-Thick	SLE-RARA	-0.4490	-0.6183	-41.19	-6.72
237	236	Shell-Thick	SLE-RARA	7.6349	0.9360	-41.19	-4.58
237	236	Shell-Thick	SLE-RARA	7.6249	2.1203	-39.04	-4.58
237	236	Shell-Thick	SLE-FREQ.	-0.3355	0.4635	-37.64	-6.73
237	236	Shell-Thick	SLE-FREQ.	-0.4344	-0.6154	-39.79	-6.73
237	236	Shell-Thick	SLE-FREQ.	7.3699	0.8825	-39.79	-4.58
237	236	Shell-Thick	SLE-FREQ.	7.3601	2.0680	-37.64	-4.58
237	236	Shell-Thick	SLE-QP	-0.2908	0.4751	-33.45	-6.75
237	236	Shell-Thick	SLE-QP	-0.3906	-0.6068	-35.61	-6.75
237	236	Shell-Thick	SLE-QP	6.5751	0.7220	-35.61	-4.59
237	236	Shell-Thick	SLE-QP	6.5658	1.9109	-33.45	-4.59
238	237	Shell-Thick	SLU-STATICA	9.9847	2.4830	-63.44	-6.41
238	237	Shell-Thick	SLU-STATICA	10.5573	1.6310	-66.87	-6.41
238	237	Shell-Thick	SLU-STATICA	23.6870	4.1499	-66.87	-2.97
238	237	Shell-Thick	SLU-STATICA	22.9384	5.1745	-63.44	-2.97
238	237	Shell-Thick	SLU-SISMICA	15.8092	3.5274	-100.86	-4.79
238	237	Shell-Thick	SLU-SISMICA	16.2658	2.8887	-103.42	-4.79
238	237	Shell-Thick	SLU-SISMICA	36.7749	6.9102	-103.42	-2.22

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238	237	Shell-Thick	SLU-SISMICA	36.1900	7.6747	-100.86	-2.22
238	237	Shell-Thick	SLE-RARA	7.5163	1.8773	-47.74	-4.93
238	237	Shell-Thick	SLE-RARA	7.9564	1.2216	-50.39	-4.93
238	237	Shell-Thick	SLE-RARA	17.8458	3.1171	-50.39	-2.28
238	237	Shell-Thick	SLE-RARA	17.2701	3.9057	-47.74	-2.28
238	237	Shell-Thick	SLE-FREQ.	7.2493	1.8242	-46.04	-4.94
238	237	Shell-Thick	SLE-FREQ.	7.6889	1.1679	-48.68	-4.94
238	237	Shell-Thick	SLE-FREQ.	17.2366	2.9950	-48.68	-2.29
238	237	Shell-Thick	SLE-FREQ.	16.6611	3.7844	-46.04	-2.29
238	237	Shell-Thick	SLE-QP	6.4485	1.6648	-40.91	-4.95
238	237	Shell-Thick	SLE-QP	6.8866	1.0069	-43.56	-4.95
238	237	Shell-Thick	SLE-QP	15.4087	2.6288	-43.56	-2.29
238	237	Shell-Thick	SLE-QP	14.8342	3.4205	-40.91	-2.29
239	238	Shell-Thick	SLU-STATICA	22.7518	4.7874	-75.02	-3.53
239	238	Shell-Thick	SLU-STATICA	24.1726	4.5969	-79.12	-3.53
239	238	Shell-Thick	SLU-STATICA	39.7064	7.5773	-79.12	0.57
239	238	Shell-Thick	SLU-STATICA	38.0711	7.9782	-75.02	0.57
239	238	Shell-Thick	SLU-SISMICA	36.1196	7.4024	-119.27	-2.63
239	238	Shell-Thick	SLU-SISMICA	37.2343	7.2603	-122.34	-2.63
239	238	Shell-Thick	SLU-SISMICA	61.4952	12.0224	-122.34	0.43
239	238	Shell-Thick	SLU-SISMICA	60.2211	12.3208	-119.27	0.43
239	238	Shell-Thick	SLE-RARA	17.1252	3.6074	-56.46	-2.71
239	238	Shell-Thick	SLE-RARA	18.2176	3.4608	-59.62	-2.71
239	238	Shell-Thick	SLE-RARA	29.9179	5.7035	-59.62	0.44
239	238	Shell-Thick	SLE-RARA	28.6603	6.0121	-56.46	0.44
239	238	Shell-Thick	SLE-FREQ.	16.5138	3.4853	-54.44	-2.72
239	238	Shell-Thick	SLE-FREQ.	17.6055	3.3385	-57.60	-2.72
239	238	Shell-Thick	SLE-FREQ.	28.9015	5.5001	-57.60	0.44
239	238	Shell-Thick	SLE-FREQ.	27.6444	5.8091	-54.44	0.44
239	238	Shell-Thick	SLE-QP	14.6796	3.1188	-48.38	-2.72
239	238	Shell-Thick	SLE-QP	15.7692	2.9716	-51.54	-2.72
239	238	Shell-Thick	SLE-QP	25.8522	4.8899	-51.54	0.44
239	238	Shell-Thick	SLE-QP	24.5967	5.1999	-48.38	0.44
240	239	Shell-Thick	SLU-STATICA	40.0992	8.3809	78.78	0.57
240	239	Shell-Thick	SLU-STATICA	41.7333	7.9856	82.83	0.57
240	239	Shell-Thick	SLU-STATICA	25.4536	4.8523	82.83	-3.49
240	239	Shell-Thick	SLU-STATICA	24.0295	5.0417	78.78	-3.49
240	239	Shell-Thick	SLU-SISMICA	61.7915	12.6305	122.08	0.43
240	239	Shell-Thick	SLU-SISMICA	63.0613	12.3400	125.10	0.43
240	239	Shell-Thick	SLU-SISMICA	38.2465	7.4663	125.10	-2.58
240	239	Shell-Thick	SLU-SISMICA	37.1290	7.6075	122.08	-2.58
240	239	Shell-Thick	SLE-RARA	30.2202	6.3219	59.36	0.44
240	239	Shell-Thick	SLE-RARA	31.4769	6.0175	62.48	0.44
240	239	Shell-Thick	SLE-RARA	19.2025	3.6571	62.48	-2.68
240	239	Shell-Thick	SLE-RARA	18.1074	3.8029	59.36	-2.68
240	239	Shell-Thick	SLE-FREQ.	29.2039	6.1188	57.34	0.44
240	239	Shell-Thick	SLE-FREQ.	30.4602	5.8140	60.46	0.44
240	239	Shell-Thick	SLE-FREQ.	18.5895	3.5345	60.46	-2.69
240	239	Shell-Thick	SLE-FREQ.	17.4952	3.6804	57.34	-2.69
240	239	Shell-Thick	SLE-QP	26.1553	5.5096	51.28	0.44
240	239	Shell-Thick	SLE-QP	27.4103	5.2035	54.42	0.44
240	239	Shell-Thick	SLE-QP	16.7505	3.1666	54.42	-2.70
240	239	Shell-Thick	SLE-QP	15.6583	3.3130	51.28	-2.70
241	240	Shell-Thick	SLU-STATICA	24.1338	5.4063	66.59	-2.94
241	240	Shell-Thick	SLU-STATICA	24.8792	4.3936	69.98	-2.94
241	240	Shell-Thick	SLU-STATICA	11.1248	1.7372	69.98	-6.33
241	240	Shell-Thick	SLU-STATICA	10.5518	2.5808	66.59	-6.33
241	240	Shell-Thick	SLU-SISMICA	37.1091	7.8540	103.21	-2.18
241	240	Shell-Thick	SLU-SISMICA	37.6888	7.1044	105.72	-2.18
241	240	Shell-Thick	SLU-SISMICA	16.7164	2.9681	105.72	-4.69
241	240	Shell-Thick	SLU-SISMICA	16.2616	3.5953	103.21	-4.69
241	240	Shell-Thick	SLE-RARA	18.1897	4.0840	50.17	-2.26
241	240	Shell-Thick	SLE-RARA	18.7630	3.3045	52.78	-2.26
241	240	Shell-Thick	SLE-RARA	8.3926	1.3033	52.78	-4.88
241	240	Shell-Thick	SLE-RARA	7.9522	1.9527	50.17	-4.88
241	240	Shell-Thick	SLE-FREQ.	17.5807	3.9627	48.46	-2.27
241	240	Shell-Thick	SLE-FREQ.	18.1538	3.1821	51.08	-2.27
241	240	Shell-Thick	SLE-FREQ.	8.1247	1.2497	51.08	-4.88
241	240	Shell-Thick	SLE-FREQ.	7.6847	1.8998	48.46	-4.88



Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

241	240	Shell-Thick	SLE-QP	15.7538	3.5987	43.34	-2.27
241	240	Shell-Thick	SLE-QP	16.3262	2.8152	45.97	-2.27
241	240	Shell-Thick	SLE-QP	7.3209	1.0890	45.97	-4.90
241	240	Shell-Thick	SLE-QP	6.8823	1.7412	43.34	-4.90
242	241	Shell-Thick	SLU-STATICA	10.6205	2.8767	54.43	-5.88
242	241	Shell-Thick	SLU-STATICA	10.6313	1.3564	57.18	-5.88
242	241	Shell-Thick	SLU-STATICA	-0.6069	-0.8198	57.18	-8.64
242	241	Shell-Thick	SLU-STATICA	-0.4807	0.5664	54.43	-8.64
242	241	Shell-Thick	SLU-SISMICA	16.2245	3.7921	84.37	-4.37
242	241	Shell-Thick	SLU-SISMICA	16.2358	2.6678	86.40	-4.37
242	241	Shell-Thick	SLU-SISMICA	-0.9037	-0.7135	86.40	-6.39
242	241	Shell-Thick	SLU-SISMICA	-0.8180	0.3159	84.37	-6.39
242	241	Shell-Thick	SLE-RARA	8.0069	2.1809	41.01	-4.53
242	241	Shell-Thick	SLE-RARA	8.0151	1.0105	43.13	-4.53
242	241	Shell-Thick	SLE-RARA	-0.4580	-0.6289	43.13	-6.65
242	241	Shell-Thick	SLE-RARA	-0.3607	0.4381	41.01	-6.65
242	241	Shell-Thick	SLE-FREQ.	7.7423	2.1290	39.61	-4.54
242	241	Shell-Thick	SLE-FREQ.	7.7505	0.9572	41.73	-4.54
242	241	Shell-Thick	SLE-FREQ.	-0.4437	-0.6262	41.73	-6.66
242	241	Shell-Thick	SLE-FREQ.	-0.3460	0.4420	39.61	-6.66
242	241	Shell-Thick	SLE-QP	6.9488	1.9735	35.42	-4.55
242	241	Shell-Thick	SLE-QP	6.9566	0.7972	37.55	-4.55
242	241	Shell-Thick	SLE-QP	-0.4006	-0.6180	37.55	-6.68
242	241	Shell-Thick	SLE-QP	-0.3019	0.4538	35.42	-6.68
243	242	Shell-Thick	SLU-STATICA	-0.4359	0.7981	42.30	-8.28
243	242	Shell-Thick	SLU-STATICA	-1.0082	-1.1228	44.42	-8.28
243	242	Shell-Thick	SLU-STATICA	-9.7392	-2.8234	44.42	-10.40
243	242	Shell-Thick	SLU-STATICA	-9.0625	-1.0048	42.30	-10.40
243	242	Shell-Thick	SLU-SISMICA	-0.8584	0.4681	65.58	-6.14
243	242	Shell-Thick	SLU-SISMICA	-1.2951	-0.9521	67.13	-6.14
243	242	Shell-Thick	SLU-SISMICA	-14.6145	-3.5991	67.13	-7.69
243	242	Shell-Thick	SLU-SISMICA	-14.1033	-2.2518	65.58	-7.69
243	242	Shell-Thick	SLE-RARA	-0.3248	0.6169	31.87	-6.37
243	242	Shell-Thick	SLE-RARA	-0.7650	-0.8619	33.50	-6.37
243	242	Shell-Thick	SLE-RARA	-7.3477	-2.1430	33.50	-8.01
243	242	Shell-Thick	SLE-RARA	-6.8271	-0.7431	31.87	-8.01
243	242	Shell-Thick	SLE-FREQ.	-0.3076	0.6217	30.78	-6.38
243	242	Shell-Thick	SLE-FREQ.	-0.7479	-0.8590	32.42	-6.38
243	242	Shell-Thick	SLE-FREQ.	-7.1138	-2.0961	32.42	-8.02
243	242	Shell-Thick	SLE-FREQ.	-6.5928	-0.6945	30.78	-8.02
243	242	Shell-Thick	SLE-QP	-0.2561	0.6360	27.53	-6.40
243	242	Shell-Thick	SLE-QP	-0.6968	-0.8503	29.17	-6.40
243	242	Shell-Thick	SLE-QP	-6.4121	-1.9555	29.17	-8.05
243	242	Shell-Thick	SLE-QP	-5.8902	-0.5488	27.53	-8.05
244	243	Shell-Thick	SLU-STATICA	-9.0341	-0.8337	30.19	-10.14
244	243	Shell-Thick	SLU-STATICA	-10.0420	-3.0494	31.70	-10.14
244	243	Shell-Thick	SLU-STATICA	-16.2726	-4.2651	31.70	-11.64
244	243	Shell-Thick	SLU-STATICA	-15.1918	-2.1210	30.19	-11.64
244	243	Shell-Thick	SLU-SISMICA	-14.1392	-2.1404	46.81	-7.50
244	243	Shell-Thick	SLU-SISMICA	-14.9095	-3.7766	47.91	-7.50
244	243	Shell-Thick	SLU-SISMICA	-24.4155	-5.6622	47.91	-8.60
244	243	Shell-Thick	SLU-SISMICA	-23.5946	-4.0755	46.81	-8.60
244	243	Shell-Thick	SLE-RARA	-6.8040	-0.6110	22.75	-7.80
244	243	Shell-Thick	SLE-RARA	-7.5795	-2.3168	23.91	-7.80
244	243	Shell-Thick	SLE-RARA	-12.2770	-3.2328	23.91	-8.96
244	243	Shell-Thick	SLE-RARA	-11.4453	-1.5821	22.75	-8.96
244	243	Shell-Thick	SLE-FREQ.	-6.5679	-0.5618	21.97	-7.81
244	243	Shell-Thick	SLE-FREQ.	-7.3435	-2.2698	23.13	-7.81
244	243	Shell-Thick	SLE-FREQ.	-11.8863	-3.1546	23.13	-8.97
244	243	Shell-Thick	SLE-FREQ.	-11.0542	-1.5019	21.97	-8.97
244	243	Shell-Thick	SLE-QP	-5.8596	-0.4141	19.65	-7.84
244	243	Shell-Thick	SLE-QP	-6.6357	-2.1288	20.82	-7.84
244	243	Shell-Thick	SLE-QP	-10.7141	-2.9199	20.82	-9.01
244	243	Shell-Thick	SLE-QP	-9.8811	-1.2611	19.65	-9.01
245	244	Shell-Thick	SLU-STATICA	-15.1749	-2.0081	18.11	-11.47
245	244	Shell-Thick	SLU-STATICA	-16.4748	-4.4150	19.01	-11.47
245	244	Shell-Thick	SLU-STATICA	-20.2111	-5.1487	19.01	-12.37
245	244	Shell-Thick	SLU-STATICA	-18.8676	-2.7845	18.11	-12.37
245	244	Shell-Thick	SLU-SISMICA	-23.6206	-4.0026	28.08	-8.48

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

245	244	Shell-Thick	SLU-SISMICA	-24.6123	-5.7798	28.73	-8.48
245	244	Shell-Thick	SLU-SISMICA	-30.3139	-6.9226	28.73	-9.13
245	244	Shell-Thick	SLU-SISMICA	-29.2911	-5.1758	28.08	-9.13
245	244	Shell-Thick	SLE-RARA	-11.4316	-1.4951	13.64	-8.83
245	244	Shell-Thick	SLE-RARA	-12.4317	-3.3480	14.33	-8.83
245	244	Shell-Thick	SLE-RARA	-15.2486	-3.9007	14.33	-9.52
245	244	Shell-Thick	SLE-RARA	-14.2149	-2.0806	13.64	-9.52
245	244	Shell-Thick	SLE-FREQ.	-11.0392	-1.4143	13.18	-8.84
245	244	Shell-Thick	SLE-FREQ.	-12.0396	-3.2697	13.87	-8.84
245	244	Shell-Thick	SLE-FREQ.	-14.7637	-3.8034	13.87	-9.53
245	244	Shell-Thick	SLE-FREQ.	-13.7296	-1.9810	13.18	-9.53
245	244	Shell-Thick	SLE-QP	-9.8622	-1.1722	11.78	-8.87
245	244	Shell-Thick	SLE-QP	-10.8634	-3.0349	12.48	-8.87
245	244	Shell-Thick	SLE-QP	-13.3089	-3.5116	12.48	-9.57
245	244	Shell-Thick	SLE-QP	-12.2738	-1.6821	11.78	-9.57
246	245	Shell-Thick	SLU-STATICA	-18.8598	-2.7284	6.03	-12.28
246	245	Shell-Thick	SLU-STATICA	-20.3121	-5.2234	6.33	-12.28
246	245	Shell-Thick	SLU-STATICA	-21.5570	-5.4662	6.33	-12.58
246	245	Shell-Thick	SLU-STATICA	-20.0904	-2.9851	6.03	-12.58
246	245	Shell-Thick	SLU-SISMICA	-29.3047	-5.1397	9.36	-9.07
246	245	Shell-Thick	SLU-SISMICA	-30.4120	-6.9810	9.57	-9.07
246	245	Shell-Thick	SLU-SISMICA	-32.3113	-7.3547	9.57	-9.29
246	245	Shell-Thick	SLU-SISMICA	-31.1948	-5.5224	9.36	-9.29
246	245	Shell-Thick	SLE-RARA	-14.2085	-2.0373	4.55	-9.45
246	245	Shell-Thick	SLE-RARA	-15.3259	-3.9581	4.78	-9.45
246	245	Shell-Thick	SLE-RARA	-16.2644	-4.1411	4.78	-9.68
246	245	Shell-Thick	SLE-RARA	-15.1361	-2.2311	4.55	-9.68
246	245	Shell-Thick	SLE-FREQ.	-13.7226	-1.9375	4.39	-9.47
246	245	Shell-Thick	SLE-FREQ.	-14.8403	-3.8608	4.62	-9.47
246	245	Shell-Thick	SLE-FREQ.	-15.7479	-4.0377	4.62	-9.70
246	245	Shell-Thick	SLE-FREQ.	-14.6192	-2.1251	4.39	-9.70
246	245	Shell-Thick	SLE-QP	-12.2648	-1.6379	3.93	-9.50
246	245	Shell-Thick	SLE-QP	-13.3835	-3.5689	4.16	-9.50
246	245	Shell-Thick	SLE-QP	-14.1983	-3.7274	4.16	-9.74
246	245	Shell-Thick	SLE-QP	-13.0685	-1.8073	3.93	-9.74
247	246	Shell-Thick	SLU-STATICA	-20.0904	-2.9851	-6.03	-12.58
247	246	Shell-Thick	SLU-STATICA	-21.5570	-5.4662	-6.33	-12.58
247	246	Shell-Thick	SLU-STATICA	-20.3121	-5.2234	-6.33	-12.28
247	246	Shell-Thick	SLU-STATICA	-18.8598	-2.7284	-6.03	-12.28
247	246	Shell-Thick	SLU-SISMICA	-31.1948	-5.5224	-9.36	-9.29
247	246	Shell-Thick	SLU-SISMICA	-32.3113	-7.3547	-9.57	-9.29
247	246	Shell-Thick	SLU-SISMICA	-30.4120	-6.9810	-9.57	-9.07
247	246	Shell-Thick	SLU-SISMICA	-29.3047	-5.1397	-9.36	-9.07
247	246	Shell-Thick	SLE-RARA	-15.1361	-2.2311	-4.55	-9.68
247	246	Shell-Thick	SLE-RARA	-16.2644	-4.1411	-4.78	-9.68
247	246	Shell-Thick	SLE-RARA	-15.3259	-3.9581	-4.78	-9.45
247	246	Shell-Thick	SLE-RARA	-14.2085	-2.0373	-4.55	-9.45
247	246	Shell-Thick	SLE-FREQ.	-14.6192	-2.1251	-4.39	-9.70
247	246	Shell-Thick	SLE-FREQ.	-15.7479	-4.0377	-4.62	-9.70
247	246	Shell-Thick	SLE-FREQ.	-14.8403	-3.8608	-4.62	-9.47
247	246	Shell-Thick	SLE-FREQ.	-13.7226	-1.9375	-4.39	-9.47
247	246	Shell-Thick	SLE-QP	-13.0685	-1.8073	-3.93	-9.74
247	246	Shell-Thick	SLE-QP	-14.1983	-3.7274	-4.16	-9.74
247	246	Shell-Thick	SLE-QP	-13.3835	-3.5689	-4.16	-9.50
247	246	Shell-Thick	SLE-QP	-12.2648	-1.6379	-3.93	-9.50
248	247	Shell-Thick	SLU-STATICA	-18.8676	-2.7845	-18.11	-12.37
248	247	Shell-Thick	SLU-STATICA	-20.2111	-5.1487	-19.01	-12.37
248	247	Shell-Thick	SLU-STATICA	-16.4748	-4.4150	-19.01	-11.47
248	247	Shell-Thick	SLU-STATICA	-15.1749	-2.0081	-18.11	-11.47
248	247	Shell-Thick	SLU-SISMICA	-29.2911	-5.1758	-28.08	-9.13
248	247	Shell-Thick	SLU-SISMICA	-30.3139	-6.9226	-28.73	-9.13
248	247	Shell-Thick	SLU-SISMICA	-24.6123	-5.7798	-28.73	-8.48
248	247	Shell-Thick	SLU-SISMICA	-23.6206	-4.0026	-28.08	-8.48
248	247	Shell-Thick	SLE-RARA	-14.2149	-2.0806	-13.64	-9.52
248	247	Shell-Thick	SLE-RARA	-15.2486	-3.9007	-14.33	-9.52
248	247	Shell-Thick	SLE-RARA	-12.4317	-3.3480	-14.33	-8.83
248	247	Shell-Thick	SLE-RARA	-11.4316	-1.4951	-13.64	-8.83
248	247	Shell-Thick	SLE-FREQ.	-13.7296	-1.9810	-13.18	-9.53
248	247	Shell-Thick	SLE-FREQ.	-14.7636	-3.8034	-13.87	-9.53



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

248	247	Shell-Thick	SLE-FREQ.	-12.0396	-3.2697	-13.87	-8.84
248	247	Shell-Thick	SLE-FREQ.	-11.0392	-1.4143	-13.18	-8.84
248	247	Shell-Thick	SLE-QP	-12.2738	-1.6821	-11.78	-9.57
248	247	Shell-Thick	SLE-QP	-13.3089	-3.5116	-12.48	-9.57
248	247	Shell-Thick	SLE-QP	-10.8634	-3.0349	-12.48	-8.87
248	247	Shell-Thick	SLE-QP	-9.8622	-1.1722	-11.78	-8.87
249	248	Shell-Thick	SLU-STATICA	-15.1918	-2.1210	-30.19	-11.64
249	248	Shell-Thick	SLU-STATICA	-16.2726	-4.2651	-31.70	-11.64
249	248	Shell-Thick	SLU-STATICA	-10.0420	-3.0494	-31.70	-10.14
249	248	Shell-Thick	SLU-STATICA	-9.0341	-0.8337	-30.19	-10.14
249	248	Shell-Thick	SLU-SISMICA	-23.5946	-4.0755	-46.81	-8.60
249	248	Shell-Thick	SLU-SISMICA	-24.4155	-5.6622	-47.91	-8.60
249	248	Shell-Thick	SLU-SISMICA	-14.9095	-3.7766	-47.91	-7.50
249	248	Shell-Thick	SLU-SISMICA	-14.1392	-2.1404	-46.81	-7.50
249	248	Shell-Thick	SLE-RARA	-11.4453	-1.5821	-22.75	-8.96
249	248	Shell-Thick	SLE-RARA	-12.2770	-3.2328	-23.91	-8.96
249	248	Shell-Thick	SLE-RARA	-7.5795	-2.3168	-23.91	-7.80
249	248	Shell-Thick	SLE-RARA	-6.8040	-0.6110	-22.75	-7.80
249	248	Shell-Thick	SLE-FREQ.	-11.0542	-1.5019	-21.97	-8.97
249	248	Shell-Thick	SLE-FREQ.	-11.8863	-3.1546	-23.13	-8.97
249	248	Shell-Thick	SLE-FREQ.	-7.3435	-2.2698	-23.13	-7.81
249	248	Shell-Thick	SLE-FREQ.	-6.5679	-0.5618	-21.97	-7.81
249	248	Shell-Thick	SLE-QP	-9.8811	-1.2611	-19.65	-9.01
249	248	Shell-Thick	SLE-QP	-10.7141	-2.9199	-20.82	-9.01
249	248	Shell-Thick	SLE-QP	-6.6357	-2.1288	-20.82	-7.84
249	248	Shell-Thick	SLE-QP	-5.8596	-0.4141	-19.65	-7.84
250	249	Shell-Thick	SLU-STATICA	-9.0625	-1.0048	-42.30	-10.40
250	249	Shell-Thick	SLU-STATICA	-9.7392	-2.8234	-44.42	-10.40
250	249	Shell-Thick	SLU-STATICA	-1.0082	-1.1228	-44.42	-8.28
250	249	Shell-Thick	SLU-STATICA	-0.4359	0.7981	-42.30	-8.28
250	249	Shell-Thick	SLU-SISMICA	-14.1033	-2.2518	-65.58	-7.69
250	249	Shell-Thick	SLU-SISMICA	-14.6145	-3.5991	-67.13	-7.69
250	249	Shell-Thick	SLU-SISMICA	-1.2951	-0.9521	-67.13	-6.14
250	249	Shell-Thick	SLU-SISMICA	-0.8584	0.4681	-65.58	-6.14
250	249	Shell-Thick	SLE-RARA	-6.8271	-0.7431	-31.87	-8.01
250	249	Shell-Thick	SLE-RARA	-7.3477	-2.1430	-33.50	-8.01
250	249	Shell-Thick	SLE-RARA	-0.7650	-0.8619	-33.50	-6.37
250	249	Shell-Thick	SLE-RARA	-0.3248	0.6169	-31.87	-6.37
250	249	Shell-Thick	SLE-FREQ.	-6.5928	-0.6945	-30.78	-8.02
250	249	Shell-Thick	SLE-FREQ.	-7.1138	-2.0961	-32.42	-8.02
250	249	Shell-Thick	SLE-FREQ.	-0.7479	-0.8590	-32.42	-6.38
250	249	Shell-Thick	SLE-FREQ.	-0.3076	0.6217	-30.78	-6.38
250	249	Shell-Thick	SLE-QP	-5.8902	-0.5488	-27.53	-8.05
250	249	Shell-Thick	SLE-QP	-6.4121	-1.9555	-29.17	-8.05
250	249	Shell-Thick	SLE-QP	-0.6968	-0.8503	-29.17	-6.40
250	249	Shell-Thick	SLE-QP	-0.2561	0.6360	-27.53	-6.40
251	250	Shell-Thick	SLU-STATICA	-0.4807	0.5664	-54.43	-8.64
251	250	Shell-Thick	SLU-STATICA	-0.6069	-0.8198	-57.18	-8.64
251	250	Shell-Thick	SLU-STATICA	10.6313	1.3564	-57.18	-5.88
251	250	Shell-Thick	SLU-STATICA	10.6205	2.8767	-54.43	-5.88
251	250	Shell-Thick	SLU-SISMICA	-0.8180	0.3159	-84.37	-6.39
251	250	Shell-Thick	SLU-SISMICA	-0.9037	-0.7135	-86.40	-6.39
251	250	Shell-Thick	SLU-SISMICA	16.2358	2.6678	-86.40	-4.37
251	250	Shell-Thick	SLU-SISMICA	16.2245	3.7921	-84.37	-4.37
251	250	Shell-Thick	SLE-RARA	-0.3607	0.4381	-41.01	-6.65
251	250	Shell-Thick	SLE-RARA	-0.4580	-0.6289	-43.13	-6.65
251	250	Shell-Thick	SLE-RARA	8.0151	1.0105	-43.13	-4.53
251	250	Shell-Thick	SLE-RARA	8.0069	2.1809	-41.01	-4.53
251	250	Shell-Thick	SLE-FREQ.	-0.3460	0.4420	-39.61	-6.66
251	250	Shell-Thick	SLE-FREQ.	-0.4437	-0.6262	-41.73	-6.66
251	250	Shell-Thick	SLE-FREQ.	7.7505	0.9572	-41.73	-4.54
251	250	Shell-Thick	SLE-FREQ.	7.7423	2.1290	-39.61	-4.54
251	250	Shell-Thick	SLE-QP	-0.3019	0.4538	-35.42	-6.68
251	250	Shell-Thick	SLE-QP	-0.4006	-0.6180	-37.55	-6.68
251	250	Shell-Thick	SLE-QP	6.9566	0.7972	-37.55	-4.55
251	250	Shell-Thick	SLE-QP	6.9488	1.9735	-35.42	-4.55
252	251	Shell-Thick	SLU-STATICA	10.5518	2.5808	-66.59	-6.33
252	251	Shell-Thick	SLU-STATICA	11.1248	1.7372	-69.98	-6.33
252	251	Shell-Thick	SLU-STATICA	24.8792	4.3936	-69.98	-2.94

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252	251	Shell-Thick	SLU-STATICA	24.1338	5.4063	-66.59	-2.94
252	251	Shell-Thick	SLU-SISMICA	16.2616	3.5953	-103.21	-4.69
252	251	Shell-Thick	SLU-SISMICA	16.7164	2.9681	-105.72	-4.69
252	251	Shell-Thick	SLU-SISMICA	37.6888	7.1044	-105.72	-2.18
252	251	Shell-Thick	SLU-SISMICA	37.1091	7.8540	-103.21	-2.18
252	251	Shell-Thick	SLE-RARA	7.9522	1.9527	-50.17	-4.88
252	251	Shell-Thick	SLE-RARA	8.3926	1.3033	-52.78	-4.88
252	251	Shell-Thick	SLE-RARA	18.7630	3.3045	-52.78	-2.26
252	251	Shell-Thick	SLE-RARA	18.1897	4.0840	-50.17	-2.26
252	251	Shell-Thick	SLE-FREQ.	7.6847	1.8998	-48.46	-4.88
252	251	Shell-Thick	SLE-FREQ.	8.1247	1.2497	-51.08	-4.88
252	251	Shell-Thick	SLE-FREQ.	18.1538	3.1821	-51.08	-2.27
252	251	Shell-Thick	SLE-FREQ.	17.5807	3.9627	-48.46	-2.27
252	251	Shell-Thick	SLE-QP	6.8823	1.7412	-43.34	-4.90
252	251	Shell-Thick	SLE-QP	7.3209	1.0890	-45.97	-4.90
252	251	Shell-Thick	SLE-QP	16.3262	2.8152	-45.97	-2.27
252	251	Shell-Thick	SLE-QP	15.7538	3.5987	-43.34	-2.27
253	252	Shell-Thick	SLU-STATICA	24.0295	5.0417	-78.78	-3.49
253	252	Shell-Thick	SLU-STATICA	25.4536	4.8523	-82.83	-3.49
253	252	Shell-Thick	SLU-STATICA	41.7333	7.9856	-82.83	0.57
253	252	Shell-Thick	SLU-STATICA	40.0992	8.3809	-78.78	0.57
253	252	Shell-Thick	SLU-SISMICA	37.1290	7.6075	-122.08	-2.58
253	252	Shell-Thick	SLU-SISMICA	38.2465	7.4663	-125.10	-2.58
253	252	Shell-Thick	SLU-SISMICA	63.0613	12.3400	-125.10	0.43
253	252	Shell-Thick	SLU-SISMICA	61.7915	12.6305	-122.08	0.43
253	252	Shell-Thick	SLE-RARA	18.1074	3.8029	-59.36	-2.68
253	252	Shell-Thick	SLE-RARA	19.2025	3.6571	-62.48	-2.68
253	252	Shell-Thick	SLE-RARA	31.4769	6.0175	-62.48	0.44
253	252	Shell-Thick	SLE-RARA	30.2202	6.3219	-59.36	0.44
253	252	Shell-Thick	SLE-FREQ.	17.4952	3.6804	-57.34	-2.69
253	252	Shell-Thick	SLE-FREQ.	18.5895	3.5345	-60.46	-2.69
253	252	Shell-Thick	SLE-FREQ.	30.4602	5.8140	-60.46	0.44
253	252	Shell-Thick	SLE-FREQ.	29.2039	6.1188	-57.34	0.44
253	252	Shell-Thick	SLE-QP	15.6583	3.3130	-51.28	-2.70
253	252	Shell-Thick	SLE-QP	16.7505	3.1666	-54.42	-2.70
253	252	Shell-Thick	SLE-QP	27.4103	5.2035	-54.42	0.44
253	252	Shell-Thick	SLE-QP	26.1553	5.5096	-51.28	0.44
254	253	Shell-Thick	SLU-STATICA	42.1222	8.7808	82.50	0.56
254	253	Shell-Thick	SLU-STATICA	43.7488	8.3934	86.49	0.56
254	253	Shell-Thick	SLU-STATICA	26.7342	5.1041	86.49	-3.43
254	253	Shell-Thick	SLU-STATICA	25.3116	5.2915	82.50	-3.43
254	253	Shell-Thick	SLU-SISMICA	63.3519	12.9370	124.85	0.42
254	253	Shell-Thick	SLU-SISMICA	64.6114	12.6556	127.78	0.42
254	253	Shell-Thick	SLU-SISMICA	39.2550	7.6600	127.78	-2.51
254	253	Shell-Thick	SLU-SISMICA	38.1417	7.7982	124.85	-2.51
254	253	Shell-Thick	SLE-RARA	31.7762	6.6295	62.22	0.43
254	253	Shell-Thick	SLE-RARA	33.0273	6.3312	65.29	0.43
254	253	Shell-Thick	SLE-RARA	20.1870	3.8508	65.29	-2.64
254	253	Shell-Thick	SLE-RARA	19.0931	3.9950	62.22	-2.64
254	253	Shell-Thick	SLE-FREQ.	30.7599	6.4265	60.20	0.43
254	253	Shell-Thick	SLE-FREQ.	32.0106	6.1276	63.28	0.43
254	253	Shell-Thick	SLE-FREQ.	19.5733	3.7282	63.28	-2.65
254	253	Shell-Thick	SLE-FREQ.	18.4800	3.8726	60.20	-2.65
254	253	Shell-Thick	SLE-QP	27.7108	5.8174	54.16	0.43
254	253	Shell-Thick	SLE-QP	28.9607	5.5169	57.25	0.43
254	253	Shell-Thick	SLE-QP	17.7320	3.3603	57.25	-2.66
254	253	Shell-Thick	SLE-QP	16.6406	3.5054	54.16	-2.66
255	254	Shell-Thick	SLU-STATICA	25.3201	5.6283	69.70	-2.90
255	254	Shell-Thick	SLU-STATICA	26.0569	4.6335	73.03	-2.90
255	254	Shell-Thick	SLU-STATICA	11.6890	1.8431	73.03	-6.23
255	254	Shell-Thick	SLU-STATICA	11.1184	2.6750	69.70	-6.23
255	254	Shell-Thick	SLU-SISMICA	38.0153	8.0129	105.51	-2.13
255	254	Shell-Thick	SLU-SISMICA	38.5835	7.2858	107.94	-2.13
255	254	Shell-Thick	SLU-SISMICA	17.1633	3.0543	107.94	-4.56
255	254	Shell-Thick	SLU-SISMICA	16.7115	3.6675	105.51	-4.56
255	254	Shell-Thick	SLE-RARA	19.1023	4.2550	52.57	-2.23
255	254	Shell-Thick	SLE-RARA	19.6691	3.4890	55.13	-2.23
255	254	Shell-Thick	SLE-RARA	8.8264	1.3847	55.13	-4.80
255	254	Shell-Thick	SLE-RARA	8.3878	2.0252	52.57	-4.80

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255	254 Shell-Thick	SLE-FREQ.	18.4936	4.1341	50.86	-2.23
255	254 Shell-Thick	SLE-FREQ.	19.0603	3.3668	53.43	-2.23
255	254 Shell-Thick	SLE-FREQ.	8.5581	1.3310	53.43	-4.80
255	254 Shell-Thick	SLE-FREQ.	8.1198	1.9723	50.86	-4.80
255	254 Shell-Thick	SLE-QP	16.6672	3.7712	45.75	-2.24
255	254 Shell-Thick	SLE-QP	17.2338	3.0002	48.33	-2.24
255	254 Shell-Thick	SLE-QP	7.7530	1.1698	48.33	-4.83
255	254 Shell-Thick	SLE-QP	7.3161	1.8137	45.75	-4.83
256	255 Shell-Thick	SLU-STATICA	11.1066	2.9471	56.95	-5.79
256	255 Shell-Thick	SLU-STATICA	11.1128	1.4534	59.64	-5.79
256	255 Shell-Thick	SLU-STATICA	-0.6218	-0.8434	59.64	-8.49
256	255 Shell-Thick	SLU-STATICA	-0.4959	0.5209	56.95	-8.49
256	255 Shell-Thick	SLU-SISMICA	16.5850	3.8370	86.23	-4.25
256	255 Shell-Thick	SLU-SISMICA	16.5907	2.7449	88.18	-4.25
256	255 Shell-Thick	SLU-SISMICA	-0.9105	-0.7402	88.18	-6.21
256	255 Shell-Thick	SLU-SISMICA	-0.8240	0.2616	86.23	-6.21
256	255 Shell-Thick	SLE-RARA	8.3810	2.2353	42.95	-4.46
256	255 Shell-Thick	SLE-RARA	8.3858	1.0851	45.02	-4.46
256	255 Shell-Thick	SLE-RARA	-0.4696	-0.6469	45.02	-6.53
256	255 Shell-Thick	SLE-RARA	-0.3725	0.4035	42.95	-6.53
256	255 Shell-Thick	SLE-FREQ.	8.1169	2.1837	41.56	-4.47
256	255 Shell-Thick	SLE-FREQ.	8.1217	1.0317	43.63	-4.47
256	255 Shell-Thick	SLE-FREQ.	-0.4554	-0.6439	43.63	-6.54
256	255 Shell-Thick	SLE-FREQ.	-0.3580	0.4081	41.56	-6.54
256	255 Shell-Thick	SLE-QP	7.3247	2.0291	37.38	-4.49
256	255 Shell-Thick	SLE-QP	7.3293	0.8714	39.47	-4.49
256	255 Shell-Thick	SLE-QP	-0.4128	-0.6349	39.47	-6.58
256	255 Shell-Thick	SLE-QP	-0.3144	0.4218	37.38	-6.58
257	256 Shell-Thick	SLU-STATICA	-0.5151	0.7335	44.24	-8.14
257	256 Shell-Thick	SLU-STATICA	-1.0852	-1.1525	46.31	-8.14
257	256 Shell-Thick	SLU-STATICA	-10.1979	-2.9463	46.31	-10.21
257	256 Shell-Thick	SLU-STATICA	-9.5280	-1.1581	44.24	-10.21
257	256 Shell-Thick	SLU-SISMICA	-0.9360	0.3918	67.00	-5.96
257	256 Shell-Thick	SLU-SISMICA	-1.3702	-0.9848	68.49	-5.96
257	256 Shell-Thick	SLU-SISMICA	-14.9647	-3.6986	68.49	-7.46
257	256 Shell-Thick	SLU-SISMICA	-14.4627	-2.3883	67.00	-7.46
257	256 Shell-Thick	SLE-RARA	-0.3853	0.5677	33.36	-6.27
257	256 Shell-Thick	SLE-RARA	-0.8240	-0.8845	34.96	-6.27
257	256 Shell-Thick	SLE-RARA	-7.7007	-2.2374	34.96	-7.87
257	256 Shell-Thick	SLE-RARA	-7.1851	-0.8606	33.36	-7.87
257	256 Shell-Thick	SLE-FREQ.	-0.3676	0.5734	32.28	-6.28
257	256 Shell-Thick	SLE-FREQ.	-0.8064	-0.8813	33.88	-6.28
257	256 Shell-Thick	SLE-FREQ.	-7.4669	-2.1904	33.88	-7.88
257	256 Shell-Thick	SLE-FREQ.	-6.9508	-0.8114	32.28	-7.88
257	256 Shell-Thick	SLE-QP	-0.3144	0.5903	29.03	-6.31
257	256 Shell-Thick	SLE-QP	-0.7536	-0.8716	30.64	-6.31
257	256 Shell-Thick	SLE-QP	-6.7654	-2.0493	30.64	-7.92
257	256 Shell-Thick	SLE-QP	-6.2480	-0.6639	29.03	-7.92
258	257 Shell-Thick	SLU-STATICA	-9.5464	-1.0013	31.57	-9.96
258	257 Shell-Thick	SLU-STATICA	-10.5444	-3.1760	33.04	-9.96
258	257 Shell-Thick	SLU-STATICA	-17.0458	-4.4663	33.04	-11.43
258	257 Shell-Thick	SLU-STATICA	-15.9777	-2.3603	31.57	-11.43
258	257 Shell-Thick	SLU-SISMICA	-14.5507	-2.2934	47.82	-7.28
258	257 Shell-Thick	SLU-SISMICA	-15.3077	-3.8796	48.88	-7.28
258	257 Shell-Thick	SLU-SISMICA	-25.0096	-5.8349	48.88	-8.33
258	257 Shell-Thick	SLU-SISMICA	-24.2044	-4.2958	47.82	-8.33
258	257 Shell-Thick	SLE-RARA	-7.1977	-0.7395	23.81	-7.67
258	257 Shell-Thick	SLE-RARA	-7.9656	-2.4141	24.94	-7.67
258	257 Shell-Thick	SLE-RARA	-12.8717	-3.3871	24.94	-8.80
258	257 Shell-Thick	SLE-RARA	-12.0498	-1.7655	23.81	-8.80
258	257 Shell-Thick	SLE-FREQ.	-6.9610	-0.6894	23.04	-7.68
258	257 Shell-Thick	SLE-FREQ.	-7.7293	-2.3669	24.17	-7.68
258	257 Shell-Thick	SLE-FREQ.	-12.4810	-3.3084	24.17	-8.81
258	257 Shell-Thick	SLE-FREQ.	-11.6586	-1.6840	23.04	-8.81
258	257 Shell-Thick	SLE-QP	-6.2510	-0.5394	20.72	-7.72
258	257 Shell-Thick	SLE-QP	-7.0203	-2.2254	21.86	-7.72
258	257 Shell-Thick	SLE-QP	-11.3090	-3.0720	21.86	-8.86
258	257 Shell-Thick	SLE-QP	-10.4848	-1.4397	20.72	-8.86
259	258 Shell-Thick	SLU-STATICA	-15.9914	-2.2570	18.93	-11.26

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259	258	Shell-Thick	SLU-STATICA	-17.2752	-4.6183	19.81	-11.26
259	258	Shell-Thick	SLU-STATICA	-21.1726	-5.3932	19.81	-12.13
259	258	Shell-Thick	SLU-STATICA	-19.8476	-3.0723	18.93	-12.13
259	258	Shell-Thick	SLU-SISMICA	-24.2645	-4.2338	28.68	-8.22
259	258	Shell-Thick	SLU-SISMICA	-25.2359	-5.9542	29.30	-8.22
259	258	Shell-Thick	SLU-SISMICA	-31.0524	-7.1229	29.30	-8.84
259	258	Shell-Thick	SLU-SISMICA	-30.0537	-5.4291	28.68	-8.84
259	258	Shell-Thick	SLE-RARA	-12.0593	-1.6856	14.28	-8.67
259	258	Shell-Thick	SLE-RARA	-13.0472	-3.5040	14.95	-8.67
259	258	Shell-Thick	SLE-RARA	-15.9882	-4.0885	14.95	-9.34
259	258	Shell-Thick	SLE-RARA	-14.9686	-2.3013	14.28	-9.34
259	258	Shell-Thick	SLE-FREQ.	-11.6665	-1.6036	13.81	-8.68
259	258	Shell-Thick	SLE-FREQ.	-12.6548	-3.4251	14.49	-8.68
259	258	Shell-Thick	SLE-FREQ.	-15.5033	-3.9909	14.49	-9.36
259	258	Shell-Thick	SLE-FREQ.	-14.4830	-2.2007	13.81	-9.36
259	258	Shell-Thick	SLE-QP	-10.4879	-1.3576	12.42	-8.73
259	258	Shell-Thick	SLE-QP	-11.4778	-3.1885	13.10	-8.73
259	258	Shell-Thick	SLE-QP	-14.0487	-3.6979	13.10	-9.41
259	258	Shell-Thick	SLE-QP	-13.0263	-1.8986	12.42	-9.41
260	259	Shell-Thick	SLU-STATICA	-19.8547	-3.0209	6.31	-12.05
260	259	Shell-Thick	SLU-STATICA	-21.2866	-5.4688	6.60	-12.05
260	259	Shell-Thick	SLU-STATICA	-22.5854	-5.7296	6.60	-12.34
260	259	Shell-Thick	SLU-STATICA	-21.1396	-3.2953	6.31	-12.34
260	259	Shell-Thick	SLU-SISMICA	-30.0840	-5.3984	9.56	-8.78
260	259	Shell-Thick	SLU-SISMICA	-31.1647	-7.1821	9.77	-8.78
260	259	Shell-Thick	SLU-SISMICA	-33.1035	-7.5791	9.77	-8.99
260	259	Shell-Thick	SLU-SISMICA	-32.0129	-5.8051	9.56	-8.99
260	259	Shell-Thick	SLE-RARA	-14.9736	-2.2617	4.76	-9.28
260	259	Shell-Thick	SLE-RARA	-16.0754	-4.1467	4.98	-9.28
260	259	Shell-Thick	SLE-RARA	-17.0555	-4.3433	4.98	-9.50
260	259	Shell-Thick	SLE-RARA	-15.9429	-2.4687	4.76	-9.50
260	259	Shell-Thick	SLE-FREQ.	-14.4872	-2.1607	4.60	-9.29
260	259	Shell-Thick	SLE-FREQ.	-15.5897	-4.0489	4.83	-9.29
260	259	Shell-Thick	SLE-FREQ.	-16.5389	-4.2391	4.83	-9.52
260	259	Shell-Thick	SLE-FREQ.	-15.4257	-2.3613	4.60	-9.52
260	259	Shell-Thick	SLE-QP	-13.0281	-1.8578	4.14	-9.34
260	259	Shell-Thick	SLE-QP	-14.1326	-3.7558	4.37	-9.34
260	259	Shell-Thick	SLE-QP	-14.9893	-3.9266	4.37	-9.57
260	259	Shell-Thick	SLE-QP	-13.8739	-2.0392	4.14	-9.57
261	260	Shell-Thick	SLU-STATICA	-21.1396	-3.2953	-6.31	-12.34
261	260	Shell-Thick	SLU-STATICA	-22.5854	-5.7296	-6.60	-12.34
261	260	Shell-Thick	SLU-STATICA	-21.2866	-5.4688	-6.60	-12.05
261	260	Shell-Thick	SLU-STATICA	-19.8547	-3.0209	-6.31	-12.05
261	260	Shell-Thick	SLU-SISMICA	-32.0129	-5.8051	-9.56	-8.99
261	260	Shell-Thick	SLU-SISMICA	-33.1035	-7.5791	-9.77	-8.99
261	260	Shell-Thick	SLU-SISMICA	-31.1647	-7.1821	-9.77	-8.78
261	260	Shell-Thick	SLU-SISMICA	-30.0840	-5.3984	-9.56	-8.78
261	260	Shell-Thick	SLE-RARA	-15.9429	-2.4687	-4.76	-9.50
261	260	Shell-Thick	SLE-RARA	-17.0555	-4.3433	-4.98	-9.50
261	260	Shell-Thick	SLE-RARA	-16.0754	-4.1467	-4.98	-9.28
261	260	Shell-Thick	SLE-RARA	-14.9736	-2.2617	-4.76	-9.28
261	260	Shell-Thick	SLE-FREQ.	-15.4257	-2.3613	-4.60	-9.52
261	260	Shell-Thick	SLE-FREQ.	-16.5389	-4.2391	-4.83	-9.52
261	260	Shell-Thick	SLE-FREQ.	-15.5897	-4.0489	-4.83	-9.29
261	260	Shell-Thick	SLE-FREQ.	-14.4872	-2.1607	-4.60	-9.29
261	260	Shell-Thick	SLE-QP	-13.8739	-2.0392	-4.14	-9.57
261	260	Shell-Thick	SLE-QP	-14.9893	-3.9266	-4.37	-9.57
261	260	Shell-Thick	SLE-QP	-14.1326	-3.7558	-4.37	-9.34
261	260	Shell-Thick	SLE-QP	-13.0281	-1.8578	-4.14	-9.34
262	261	Shell-Thick	SLU-STATICA	-19.8476	-3.0723	-18.93	-12.13
262	261	Shell-Thick	SLU-STATICA	-21.1726	-5.3932	-19.81	-12.13
262	261	Shell-Thick	SLU-STATICA	-17.2752	-4.6183	-19.81	-11.26
262	261	Shell-Thick	SLU-STATICA	-15.9914	-2.2570	-18.93	-11.26
262	261	Shell-Thick	SLU-SISMICA	-30.0537	-5.4291	-28.68	-8.84
262	261	Shell-Thick	SLU-SISMICA	-31.0524	-7.1229	-29.30	-8.84
262	261	Shell-Thick	SLU-SISMICA	-25.2359	-5.9542	-29.30	-8.22
262	261	Shell-Thick	SLU-SISMICA	-24.2645	-4.2338	-28.68	-8.22
262	261	Shell-Thick	SLE-RARA	-14.9686	-2.3013	-14.28	-9.34
262	261	Shell-Thick	SLE-RARA	-15.9882	-4.0885	-14.95	-9.34

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

262	261	Shell-Thick	SLE-RARA	-13.0471	-3.5040	-14.95	-8.67
262	261	Shell-Thick	SLE-RARA	-12.0593	-1.6856	-14.28	-8.67
262	261	Shell-Thick	SLE-FREQ.	-14.4830	-2.2007	-13.81	-9.36
262	261	Shell-Thick	SLE-FREQ.	-15.5033	-3.9909	-14.49	-9.36
262	261	Shell-Thick	SLE-FREQ.	-12.6548	-3.4251	-14.49	-8.68
262	261	Shell-Thick	SLE-FREQ.	-11.6665	-1.6036	-13.81	-8.68
262	261	Shell-Thick	SLE-QP	-13.0263	-1.8986	-12.42	-9.41
262	261	Shell-Thick	SLE-QP	-14.0487	-3.6979	-13.10	-9.41
262	261	Shell-Thick	SLE-QP	-11.4778	-3.1885	-13.10	-8.73
262	261	Shell-Thick	SLE-QP	-10.4879	-1.3576	-12.42	-8.73
263	262	Shell-Thick	SLU-STATICA	-15.9777	-2.3603	-31.57	-11.43
263	262	Shell-Thick	SLU-STATICA	-17.0458	-4.4663	-33.04	-11.43
263	262	Shell-Thick	SLU-STATICA	-10.5444	-3.1760	-33.04	-9.96
263	262	Shell-Thick	SLU-STATICA	-9.5464	-1.0013	-31.57	-9.96
263	262	Shell-Thick	SLU-SISMICA	-24.2044	-4.2958	-47.82	-8.33
263	262	Shell-Thick	SLU-SISMICA	-25.0096	-5.8349	-48.88	-8.33
263	262	Shell-Thick	SLU-SISMICA	-15.3077	-3.8796	-48.88	-7.28
263	262	Shell-Thick	SLU-SISMICA	-14.5507	-2.2934	-47.82	-7.28
263	262	Shell-Thick	SLE-RARA	-12.0498	-1.7655	-23.81	-8.80
263	262	Shell-Thick	SLE-RARA	-12.8717	-3.3871	-24.94	-8.80
263	262	Shell-Thick	SLE-RARA	-7.9656	-2.4141	-24.94	-7.67
263	262	Shell-Thick	SLE-RARA	-7.1977	-0.7395	-23.81	-7.67
263	262	Shell-Thick	SLE-FREQ.	-11.6586	-1.6840	-23.04	-8.81
263	262	Shell-Thick	SLE-FREQ.	-12.4810	-3.3084	-24.17	-8.81
263	262	Shell-Thick	SLE-FREQ.	-7.7293	-2.3669	-24.17	-7.68
263	262	Shell-Thick	SLE-FREQ.	-6.9610	-0.6894	-23.04	-7.68
263	262	Shell-Thick	SLE-QP	-10.4848	-1.4397	-20.72	-8.86
263	262	Shell-Thick	SLE-QP	-11.3090	-3.0720	-21.86	-8.86
263	262	Shell-Thick	SLE-QP	-7.0203	-2.2254	-21.86	-7.72
263	262	Shell-Thick	SLE-QP	-6.2510	-0.5394	-20.72	-7.72
264	263	Shell-Thick	SLU-STATICA	-9.5280	-1.1581	-44.24	-10.21
264	263	Shell-Thick	SLU-STATICA	-10.1979	-2.9463	-46.31	-10.21
264	263	Shell-Thick	SLU-STATICA	-1.0852	-1.1525	-46.31	-8.14
264	263	Shell-Thick	SLU-STATICA	-0.5151	0.7335	-44.24	-8.14
264	263	Shell-Thick	SLU-SISMICA	-14.4627	-2.3883	-67.00	-7.46
264	263	Shell-Thick	SLU-SISMICA	-14.9647	-3.6986	-68.49	-7.46
264	263	Shell-Thick	SLU-SISMICA	-1.3702	-0.9848	-68.49	-5.96
264	263	Shell-Thick	SLU-SISMICA	-0.9360	0.3918	-67.00	-5.96
264	263	Shell-Thick	SLE-RARA	-7.1851	-0.8606	-33.36	-7.87
264	263	Shell-Thick	SLE-RARA	-7.7007	-2.2374	-34.96	-7.87
264	263	Shell-Thick	SLE-RARA	-0.8240	-0.8845	-34.96	-6.27
264	263	Shell-Thick	SLE-RARA	-0.3853	0.5677	-33.36	-6.27
264	263	Shell-Thick	SLE-FREQ.	-6.9508	-0.8114	-32.28	-7.88
264	263	Shell-Thick	SLE-FREQ.	-7.4669	-2.1904	-33.88	-7.88
264	263	Shell-Thick	SLE-FREQ.	-0.8064	-0.8813	-33.88	-6.28
264	263	Shell-Thick	SLE-FREQ.	-0.3676	0.5734	-32.28	-6.28
264	263	Shell-Thick	SLE-QP	-6.2480	-0.6639	-29.03	-7.92
264	263	Shell-Thick	SLE-QP	-6.7654	-2.0493	-30.64	-7.92
264	263	Shell-Thick	SLE-QP	-0.7536	-0.8716	-30.64	-6.31
264	263	Shell-Thick	SLE-QP	-0.3144	0.5903	-29.03	-6.31
265	264	Shell-Thick	SLU-STATICA	-0.4959	0.5209	-56.95	-8.49
265	264	Shell-Thick	SLU-STATICA	-0.6218	-0.8434	-59.64	-8.49
265	264	Shell-Thick	SLU-STATICA	11.1128	1.4534	-59.64	-5.79
265	264	Shell-Thick	SLU-STATICA	11.1066	2.9471	-56.95	-5.79
265	264	Shell-Thick	SLU-SISMICA	-0.8240	0.2616	-86.23	-6.21
265	264	Shell-Thick	SLU-SISMICA	-0.9105	-0.7402	-88.18	-6.21
265	264	Shell-Thick	SLU-SISMICA	16.5907	2.7449	-88.18	-4.25
265	264	Shell-Thick	SLU-SISMICA	16.5850	3.8370	-86.23	-4.25
265	264	Shell-Thick	SLE-RARA	-0.3725	0.4035	-42.95	-6.53
265	264	Shell-Thick	SLE-RARA	-0.4696	-0.6469	-45.02	-6.53
265	264	Shell-Thick	SLE-RARA	8.3858	1.0851	-45.02	-4.46
265	264	Shell-Thick	SLE-RARA	8.3810	2.2353	-42.95	-4.46
265	264	Shell-Thick	SLE-FREQ.	-0.3580	0.4081	-41.56	-6.54
265	264	Shell-Thick	SLE-FREQ.	-0.4554	-0.6439	-43.63	-6.54
265	264	Shell-Thick	SLE-FREQ.	8.1217	1.0317	-43.63	-4.47
265	264	Shell-Thick	SLE-FREQ.	8.1169	2.1837	-41.56	-4.47
265	264	Shell-Thick	SLE-QP	-0.3144	0.4218	-37.38	-6.58
265	264	Shell-Thick	SLE-QP	-0.4128	-0.6349	-39.47	-6.58
265	264	Shell-Thick	SLE-QP	7.3293	0.8714	-39.47	-4.49

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265	264	Shell-Thick	SLE-QP	7.3247	2.0291	-37.38	-4.49
266	265	Shell-Thick	SLU-STATICA	11.1184	2.6750	-69.70	-6.23
266	265	Shell-Thick	SLU-STATICA	11.6890	1.8431	-73.03	-6.23
266	265	Shell-Thick	SLU-STATICA	26.0569	4.6335	-73.03	-2.90
266	265	Shell-Thick	SLU-STATICA	25.3201	5.6283	-69.70	-2.90
266	265	Shell-Thick	SLU-SISMICA	16.7115	3.6675	-105.51	-4.56
266	265	Shell-Thick	SLU-SISMICA	17.1634	3.0543	-107.94	-4.56
266	265	Shell-Thick	SLU-SISMICA	38.5835	7.2858	-107.94	-2.13
266	265	Shell-Thick	SLU-SISMICA	38.0153	8.0129	-105.51	-2.13
266	265	Shell-Thick	SLE-RARA	8.3878	2.0252	-52.57	-4.80
266	265	Shell-Thick	SLE-RARA	8.8264	1.3847	-55.13	-4.80
266	265	Shell-Thick	SLE-RARA	19.6691	3.4890	-55.13	-2.23
266	265	Shell-Thick	SLE-RARA	19.1023	4.2550	-52.57	-2.23
266	265	Shell-Thick	SLE-FREQ.	8.1198	1.9723	-50.86	-4.80
266	265	Shell-Thick	SLE-FREQ.	8.5581	1.3310	-53.43	-4.80
266	265	Shell-Thick	SLE-FREQ.	19.0603	3.3668	-53.43	-2.23
266	265	Shell-Thick	SLE-FREQ.	18.4936	4.1341	-50.86	-2.23
266	265	Shell-Thick	SLE-QP	7.3161	1.8137	-45.75	-4.83
266	265	Shell-Thick	SLE-QP	7.7530	1.1698	-48.33	-4.83
266	265	Shell-Thick	SLE-QP	17.2338	3.0002	-48.33	-2.24
266	265	Shell-Thick	SLE-QP	16.6672	3.7712	-45.75	-2.24
267	266	Shell-Thick	SLU-STATICA	25.3116	5.2915	-82.50	-3.43
267	266	Shell-Thick	SLU-STATICA	26.7342	5.1041	-86.49	-3.43
267	266	Shell-Thick	SLU-STATICA	43.7488	8.3934	-86.49	0.56
267	266	Shell-Thick	SLU-STATICA	42.1222	8.7808	-82.50	0.56
267	266	Shell-Thick	SLU-SISMICA	38.1417	7.7982	-124.85	-2.51
267	266	Shell-Thick	SLU-SISMICA	39.2550	7.6600	-127.78	-2.51
267	266	Shell-Thick	SLU-SISMICA	64.6114	12.6556	-127.78	0.42
267	266	Shell-Thick	SLU-SISMICA	63.3519	12.9370	-124.85	0.42
267	266	Shell-Thick	SLE-RARA	19.0931	3.9950	-62.22	-2.64
267	266	Shell-Thick	SLE-RARA	20.1870	3.8508	-65.29	-2.64
267	266	Shell-Thick	SLE-RARA	33.0273	6.3312	-65.29	0.43
267	266	Shell-Thick	SLE-RARA	31.7762	6.6295	-62.22	0.43
267	266	Shell-Thick	SLE-FREQ.	18.4800	3.8726	-60.20	-2.65
267	266	Shell-Thick	SLE-FREQ.	19.5733	3.7282	-63.28	-2.65
267	266	Shell-Thick	SLE-FREQ.	32.0106	6.1276	-63.28	0.43
267	266	Shell-Thick	SLE-FREQ.	30.7599	6.4265	-60.20	0.43
267	266	Shell-Thick	SLE-QP	16.6406	3.5054	-54.16	-2.66
267	266	Shell-Thick	SLE-QP	17.7320	3.3603	-57.25	-2.66
267	266	Shell-Thick	SLE-QP	28.9607	5.5169	-57.25	0.43
267	266	Shell-Thick	SLE-QP	27.7108	5.8174	-54.16	0.43
268	267	Shell-Thick	SLU-STATICA	44.1326	9.1756	86.16	0.55
268	267	Shell-Thick	SLU-STATICA	45.7417	8.7992	90.06	0.55
268	267	Shell-Thick	SLU-STATICA	28.0083	5.3561	90.06	-3.35
268	267	Shell-Thick	SLU-STATICA	26.5942	5.5414	86.16	-3.35
268	267	Shell-Thick	SLU-SISMICA	64.8964	13.2369	127.53	0.40
268	267	Shell-Thick	SLU-SISMICA	66.1335	12.9691	130.36	0.40
268	267	Shell-Thick	SLU-SISMICA	40.2562	7.8603	130.36	-2.42
268	267	Shell-Thick	SLU-SISMICA	39.1535	7.9965	127.53	-2.42
268	267	Shell-Thick	SLE-RARA	33.3227	6.9333	65.04	0.42
268	267	Shell-Thick	SLE-RARA	34.5605	6.6433	68.04	0.42
268	267	Shell-Thick	SLE-RARA	21.1667	4.0445	68.04	-2.58
268	267	Shell-Thick	SLE-RARA	20.0793	4.1872	65.04	-2.58
268	267	Shell-Thick	SLE-FREQ.	32.3064	6.7304	63.02	0.42
268	267	Shell-Thick	SLE-FREQ.	33.5442	6.4397	66.03	0.42
268	267	Shell-Thick	SLE-FREQ.	20.5522	3.9217	66.03	-2.59
268	267	Shell-Thick	SLE-FREQ.	19.4653	4.0645	63.02	-2.59
268	267	Shell-Thick	SLE-QP	29.2575	6.1217	56.99	0.42
268	267	Shell-Thick	SLE-QP	30.4954	5.8289	60.02	0.42
268	267	Shell-Thick	SLE-QP	18.7089	3.5532	60.02	-2.60
268	267	Shell-Thick	SLE-QP	17.6234	3.6967	56.99	-2.60
269	268	Shell-Thick	SLU-STATICA	26.4893	5.8438	72.75	-2.84
269	268	Shell-Thick	SLU-STATICA	27.2100	4.8731	76.00	-2.84
269	268	Shell-Thick	SLU-STATICA	12.2433	1.9397	76.00	-6.09
269	268	Shell-Thick	SLU-STATICA	11.6811	2.7552	72.75	-6.09
269	268	Shell-Thick	SLU-SISMICA	38.8999	8.1716	107.73	-2.06
269	268	Shell-Thick	SLU-SISMICA	39.4483	7.4728	110.06	-2.06
269	268	Shell-Thick	SLU-SISMICA	17.5967	3.1219	110.06	-4.39
269	268	Shell-Thick	SLU-SISMICA	17.1563	3.7151	107.73	-4.39



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269	268	Shell-Thick	SLE-RARA	20.0020	4.4209	54.92	-2.19
269	268	Shell-Thick	SLE-RARA	20.5565	3.6733	57.42	-2.19
269	268	Shell-Thick	SLE-RARA	9.2526	1.4591	57.42	-4.69
269	268	Shell-Thick	SLE-RARA	8.8203	2.0871	54.92	-4.69
269	268	Shell-Thick	SLE-FREQ.	19.3937	4.3002	53.22	-2.19
269	268	Shell-Thick	SLE-FREQ.	19.9484	3.5510	55.72	-2.19
269	268	Shell-Thick	SLE-FREQ.	8.9841	1.4056	55.72	-4.70
269	268	Shell-Thick	SLE-FREQ.	8.5520	2.0347	53.22	-4.70
269	268	Shell-Thick	SLE-QP	17.5689	3.9380	48.12	-2.20
269	268	Shell-Thick	SLE-QP	18.1242	3.1841	50.64	-2.20
269	268	Shell-Thick	SLE-QP	8.1783	1.2451	50.64	-4.72
269	268	Shell-Thick	SLE-QP	7.7471	1.8775	48.12	-4.72
270	269	Shell-Thick	SLU-STATICA	11.5762	2.9984	59.41	-5.66
270	269	Shell-Thick	SLU-STATICA	11.5744	1.5418	62.03	-5.66
270	269	Shell-Thick	SLU-STATICA	-0.6425	-0.8759	62.03	-8.28
270	269	Shell-Thick	SLU-STATICA	-0.5159	0.4586	59.41	-8.28
270	269	Shell-Thick	SLU-SISMICA	16.9253	3.8515	88.01	-4.10
270	269	Shell-Thick	SLU-SISMICA	16.9211	2.8042	89.87	-4.10
270	269	Shell-Thick	SLU-SISMICA	-0.9235	-0.7714	89.87	-5.96
270	269	Shell-Thick	SLU-SISMICA	-0.8367	0.1953	88.01	-5.96
270	269	Shell-Thick	SLE-RARA	8.7427	2.2752	44.85	-4.36
270	269	Shell-Thick	SLE-RARA	8.7413	1.1533	46.86	-4.36
270	269	Shell-Thick	SLE-RARA	-0.4856	-0.6718	46.86	-6.38
270	269	Shell-Thick	SLE-RARA	-0.3880	0.3560	44.85	-6.38
270	269	Shell-Thick	SLE-FREQ.	8.4793	2.2245	43.46	-4.37
270	269	Shell-Thick	SLE-FREQ.	8.4780	1.1001	45.48	-4.37
270	269	Shell-Thick	SLE-FREQ.	-0.4715	-0.6686	45.48	-6.39
270	269	Shell-Thick	SLE-FREQ.	-0.3735	0.3612	43.46	-6.39
270	269	Shell-Thick	SLE-QP	7.6892	2.0723	39.29	-4.40
270	269	Shell-Thick	SLE-QP	7.6882	0.9407	41.33	-4.40
270	269	Shell-Thick	SLE-QP	-0.4292	-0.6589	41.33	-6.43
270	269	Shell-Thick	SLE-QP	-0.3302	0.3767	39.29	-6.43
271	270	Shell-Thick	SLU-STATICA	-0.6066	0.6483	46.14	-7.95
271	270	Shell-Thick	SLU-STATICA	-1.1727	-1.1897	48.15	-7.95
271	270	Shell-Thick	SLU-STATICA	-10.6562	-3.0888	48.15	-9.96
271	270	Shell-Thick	SLU-STATICA	-9.9957	-1.3431	46.14	-9.96
271	270	Shell-Thick	SLU-SISMICA	-1.0284	0.2993	68.37	-5.73
271	270	Shell-Thick	SLU-SISMICA	-1.4573	-1.0205	69.78	-5.73
271	270	Shell-Thick	SLU-SISMICA	-15.3152	-3.8293	69.78	-7.15
271	270	Shell-Thick	SLU-SISMICA	-14.8240	-2.5703	68.37	-7.15
271	270	Shell-Thick	SLE-RARA	-0.4553	0.5027	34.83	-6.12
271	270	Shell-Thick	SLE-RARA	-0.8909	-0.9131	36.37	-6.12
271	270	Shell-Thick	SLE-RARA	-8.0532	-2.3466	36.37	-7.67
271	270	Shell-Thick	SLE-RARA	-7.5448	-1.0021	34.83	-7.67
271	270	Shell-Thick	SLE-FREQ.	-0.4368	0.5093	33.75	-6.13
271	270	Shell-Thick	SLE-FREQ.	-0.8727	-0.9096	35.30	-6.13
271	270	Shell-Thick	SLE-FREQ.	-7.8195	-2.2989	35.30	-7.68
271	270	Shell-Thick	SLE-FREQ.	-7.3105	-0.9516	33.75	-7.68
271	270	Shell-Thick	SLE-QP	-0.3815	0.5289	30.51	-6.17
271	270	Shell-Thick	SLE-QP	-0.8180	-0.8992	32.07	-6.17
271	270	Shell-Thick	SLE-QP	-7.1182	-2.1558	32.07	-7.74
271	270	Shell-Thick	SLE-QP	-6.6076	-0.8002	30.51	-7.74
272	271	Shell-Thick	SLU-STATICA	-10.0656	-1.2032	32.92	-9.71
272	271	Shell-Thick	SLU-STATICA	-11.0472	-3.3209	34.33	-9.71
272	271	Shell-Thick	SLU-STATICA	-17.8104	-4.6858	34.33	-11.13
272	271	Shell-Thick	SLU-STATICA	-16.7632	-2.6323	32.92	-11.13
272	271	Shell-Thick	SLU-SISMICA	-14.9696	-2.4948	48.78	-6.98
272	271	Shell-Thick	SLU-SISMICA	-15.7068	-4.0122	49.78	-6.98
272	271	Shell-Thick	SLU-SISMICA	-25.5922	-6.0234	49.78	-7.98
272	271	Shell-Thick	SLU-SISMICA	-24.8131	-4.5468	48.78	-7.98
272	271	Shell-Thick	SLE-RARA	-7.5967	-0.8938	24.85	-7.48
272	271	Shell-Thick	SLE-RARA	-8.3521	-2.5251	25.94	-7.48
272	271	Shell-Thick	SLE-RARA	-13.4600	-3.5556	25.94	-8.57
272	271	Shell-Thick	SLE-RARA	-12.6539	-1.9739	24.85	-8.57
272	271	Shell-Thick	SLE-FREQ.	-7.3594	-0.8423	24.07	-7.50
272	271	Shell-Thick	SLE-FREQ.	-8.1154	-2.4772	25.17	-7.50
272	271	Shell-Thick	SLE-FREQ.	-13.0695	-3.4761	25.17	-8.59
272	271	Shell-Thick	SLE-FREQ.	-12.2626	-1.8911	24.07	-8.59
272	271	Shell-Thick	SLE-QP	-6.6474	-0.6877	21.76	-7.54

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272	271 Shell-Thick	SLE-QP	-7.4052	-2.3336	22.87	-7.54
272	271 Shell-Thick	SLE-QP	-11.8979	-3.2378	22.87	-8.65
272	271 Shell-Thick	SLE-QP	-11.0884	-1.6426	21.76	-8.65
273	272 Shell-Thick	SLU-STATICA	-16.8097	-2.5400	19.73	-10.97
273	272 Shell-Thick	SLU-STATICA	-18.0665	-4.8386	20.58	-10.97
273	272 Shell-Thick	SLU-STATICA	-22.1202	-5.6644	20.58	-11.81
273	272 Shell-Thick	SLU-STATICA	-20.8245	-3.4039	19.73	-11.81
273	272 Shell-Thick	SLU-SISMICA	-24.9097	-4.4974	29.25	-7.87
273	272 Shell-Thick	SLU-SISMICA	-25.8477	-6.1432	29.84	-7.87
273	272 Shell-Thick	SLU-SISMICA	-31.7746	-7.3630	29.84	-8.45
273	272 Shell-Thick	SLU-SISMICA	-30.8111	-5.7419	29.25	-8.45
273	272 Shell-Thick	SLE-RARA	-12.6885	-1.9025	14.89	-8.45
273	272 Shell-Thick	SLE-RARA	-13.6558	-3.6731	15.55	-8.45
273	272 Shell-Thick	SLE-RARA	-16.7173	-4.2965	15.55	-9.10
273	272 Shell-Thick	SLE-RARA	-15.7199	-2.5553	14.89	-9.10
273	272 Shell-Thick	SLE-FREQ.	-12.2951	-1.8189	14.43	-8.47
273	272 Shell-Thick	SLE-FREQ.	-13.2634	-3.5936	15.08	-8.47
273	272 Shell-Thick	SLE-FREQ.	-16.2326	-4.1978	15.08	-9.12
273	272 Shell-Thick	SLE-FREQ.	-15.2342	-2.4527	14.43	-9.12
273	272 Shell-Thick	SLE-QP	-11.1150	-1.5683	13.05	-8.52
273	272 Shell-Thick	SLE-QP	-12.0860	-3.3550	13.70	-8.52
273	272 Shell-Thick	SLE-QP	-14.7786	-3.9017	13.70	-9.18
273	272 Shell-Thick	SLE-QP	-13.7769	-2.1450	13.05	-9.18
274	273 Shell-Thick	SLU-STATICA	-20.8476	-3.3580	6.57	-11.73
274	273 Shell-Thick	SLU-STATICA	-22.2466	-5.7402	6.85	-11.73
274	273 Shell-Thick	SLU-STATICA	-23.5970	-6.0146	6.85	-12.01
274	273 Shell-Thick	SLU-STATICA	-22.1853	-3.6448	6.57	-12.01
274	273 Shell-Thick	SLU-SISMICA	-30.8591	-5.7175	9.75	-8.40
274	273 Shell-Thick	SLU-SISMICA	-31.9002	-7.4222	9.94	-8.40
274	273 Shell-Thick	SLU-SISMICA	-33.8744	-7.8237	9.94	-8.60
274	273 Shell-Thick	SLU-SISMICA	-32.8257	-6.1264	9.75	-8.60
274	273 Shell-Thick	SLE-RARA	-15.7371	-2.5197	4.96	-9.04
274	273 Shell-Thick	SLE-RARA	-16.8139	-4.3548	5.18	-9.04
274	273 Shell-Thick	SLE-RARA	-17.8338	-4.5620	5.18	-9.25
274	273 Shell-Thick	SLE-RARA	-16.7471	-2.7366	4.96	-9.25
274	273 Shell-Thick	SLE-FREQ.	-15.2503	-2.4168	4.81	-9.06
274	273 Shell-Thick	SLE-FREQ.	-16.3283	-4.2561	5.03	-9.06
274	273 Shell-Thick	SLE-FREQ.	-17.3175	-4.4570	5.03	-9.27
274	273 Shell-Thick	SLE-FREQ.	-16.2296	-2.6275	4.81	-9.27
274	273 Shell-Thick	SLE-QP	-13.7901	-2.1080	4.35	-9.12
274	273 Shell-Thick	SLE-QP	-14.8715	-3.9598	4.57	-9.12
274	273 Shell-Thick	SLE-QP	-15.7685	-4.1421	4.57	-9.34
274	273 Shell-Thick	SLE-QP	-14.6770	-2.3001	4.35	-9.34
275	274 Shell-Thick	SLU-STATICA	-22.1853	-3.6448	-6.57	-12.01
275	274 Shell-Thick	SLU-STATICA	-23.5970	-6.0146	-6.85	-12.01
275	274 Shell-Thick	SLU-STATICA	-22.2466	-5.7402	-6.85	-11.73
275	274 Shell-Thick	SLU-STATICA	-20.8476	-3.3580	-6.57	-11.73
275	274 Shell-Thick	SLU-SISMICA	-32.8257	-6.1264	-9.75	-8.60
275	274 Shell-Thick	SLU-SISMICA	-33.8744	-7.8237	-9.94	-8.60
275	274 Shell-Thick	SLU-SISMICA	-31.9002	-7.4222	-9.94	-8.40
275	274 Shell-Thick	SLU-SISMICA	-30.8591	-5.7175	-9.75	-8.40
275	274 Shell-Thick	SLE-RARA	-16.7471	-2.7366	-4.96	-9.25
275	274 Shell-Thick	SLE-RARA	-17.8338	-4.5620	-5.18	-9.25
275	274 Shell-Thick	SLE-RARA	-16.8139	-4.3548	-5.18	-9.04
275	274 Shell-Thick	SLE-RARA	-15.7371	-2.5197	-4.96	-9.04
275	274 Shell-Thick	SLE-FREQ.	-16.2296	-2.6275	-4.81	-9.27
275	274 Shell-Thick	SLE-FREQ.	-17.3175	-4.4570	-5.03	-9.27
275	274 Shell-Thick	SLE-FREQ.	-16.3283	-4.2561	-5.03	-9.06
275	274 Shell-Thick	SLE-FREQ.	-15.2503	-2.4168	-4.81	-9.06
275	274 Shell-Thick	SLE-QP	-14.6770	-2.3001	-4.35	-9.34
275	274 Shell-Thick	SLE-QP	-15.7685	-4.1421	-4.57	-9.34
275	274 Shell-Thick	SLE-QP	-14.8715	-3.9598	-4.57	-9.12
275	274 Shell-Thick	SLE-QP	-13.7901	-2.1080	-4.35	-9.12
276	275 Shell-Thick	SLU-STATICA	-20.8245	-3.4039	-19.73	-11.81
276	275 Shell-Thick	SLU-STATICA	-22.1202	-5.6644	-20.58	-11.81
276	275 Shell-Thick	SLU-STATICA	-18.0665	-4.8386	-20.58	-10.97
276	275 Shell-Thick	SLU-STATICA	-16.8097	-2.5400	-19.73	-10.97
276	275 Shell-Thick	SLU-SISMICA	-30.8111	-5.7419	-29.25	-8.45
276	275 Shell-Thick	SLU-SISMICA	-31.7746	-7.3630	-29.84	-8.45



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

276	275	Shell-Thick	SLU-SISMICA	-25.8477	-6.1432	-29.84	-7.87
276	275	Shell-Thick	SLU-SISMICA	-24.9097	-4.4974	-29.25	-7.87
276	275	Shell-Thick	SLE-RARA	-15.7199	-2.5553	-14.89	-9.10
276	275	Shell-Thick	SLE-RARA	-16.7173	-4.2965	-15.55	-9.10
276	275	Shell-Thick	SLE-RARA	-13.6558	-3.6731	-15.55	-8.45
276	275	Shell-Thick	SLE-RARA	-12.6885	-1.9025	-14.89	-8.45
276	275	Shell-Thick	SLE-FREQ.	-15.2342	-2.4527	-14.43	-9.12
276	275	Shell-Thick	SLE-FREQ.	-16.2326	-4.1978	-15.08	-9.12
276	275	Shell-Thick	SLE-FREQ.	-13.2634	-3.5936	-15.08	-8.47
276	275	Shell-Thick	SLE-FREQ.	-12.2951	-1.8189	-14.43	-8.47
276	275	Shell-Thick	SLE-QP	-13.7769	-2.1450	-13.05	-9.18
276	275	Shell-Thick	SLE-QP	-14.7786	-3.9017	-13.70	-9.18
276	275	Shell-Thick	SLE-QP	-12.0860	-3.3550	-13.70	-8.52
276	275	Shell-Thick	SLE-QP	-11.1150	-1.5683	-13.05	-8.52
277	276	Shell-Thick	SLU-STATICA	-16.7632	-2.6323	-32.92	-11.13
277	276	Shell-Thick	SLU-STATICA	-17.8104	-4.6858	-34.33	-11.13
277	276	Shell-Thick	SLU-STATICA	-11.0472	-3.3209	-34.33	-9.71
277	276	Shell-Thick	SLU-STATICA	-10.0656	-1.2032	-32.92	-9.71
277	276	Shell-Thick	SLU-SISMICA	-24.8131	-4.5468	-48.78	-7.98
277	276	Shell-Thick	SLU-SISMICA	-25.5922	-6.0234	-49.78	-7.98
277	276	Shell-Thick	SLU-SISMICA	-15.7068	-4.0122	-49.78	-6.98
277	276	Shell-Thick	SLU-SISMICA	-14.9696	-2.4948	-48.78	-6.98
277	276	Shell-Thick	SLE-RARA	-12.6539	-1.9739	-24.85	-8.57
277	276	Shell-Thick	SLE-RARA	-13.4600	-3.5556	-25.94	-8.57
277	276	Shell-Thick	SLE-RARA	-8.3521	-2.5251	-25.94	-7.48
277	276	Shell-Thick	SLE-RARA	-7.5967	-0.8938	-24.85	-7.48
277	276	Shell-Thick	SLE-FREQ.	-12.2626	-1.8911	-24.07	-8.59
277	276	Shell-Thick	SLE-FREQ.	-13.0695	-3.4761	-25.17	-8.59
277	276	Shell-Thick	SLE-FREQ.	-8.1154	-2.4772	-25.17	-7.50
277	276	Shell-Thick	SLE-FREQ.	-7.3594	-0.8423	-24.07	-7.50
277	276	Shell-Thick	SLE-QP	-11.0884	-1.6426	-21.76	-8.65
277	276	Shell-Thick	SLE-QP	-11.8979	-3.2378	-22.87	-8.65
277	276	Shell-Thick	SLE-QP	-7.4052	-2.3336	-22.87	-7.54
277	276	Shell-Thick	SLE-QP	-6.6474	-0.6877	-21.76	-7.54
278	277	Shell-Thick	SLU-STATICA	-9.9957	-1.3431	-46.14	-9.96
278	277	Shell-Thick	SLU-STATICA	-10.6562	-3.0888	-48.15	-9.96
278	277	Shell-Thick	SLU-STATICA	-1.1727	-1.1897	-48.15	-7.95
278	277	Shell-Thick	SLU-STATICA	-0.6066	0.6483	-46.14	-7.95
278	277	Shell-Thick	SLU-SISMICA	-14.8240	-2.5703	-68.37	-7.15
278	277	Shell-Thick	SLU-SISMICA	-15.3152	-3.8293	-69.78	-7.15
278	277	Shell-Thick	SLU-SISMICA	-1.4573	-1.0205	-69.78	-5.73
278	277	Shell-Thick	SLU-SISMICA	-1.0284	0.2993	-68.37	-5.73
278	277	Shell-Thick	SLE-RARA	-7.5448	-1.0021	-34.83	-7.67
278	277	Shell-Thick	SLE-RARA	-8.0532	-2.3466	-36.37	-7.67
278	277	Shell-Thick	SLE-RARA	-0.8909	-0.9131	-36.37	-6.12
278	277	Shell-Thick	SLE-RARA	-0.4553	0.5027	-34.83	-6.12
278	277	Shell-Thick	SLE-FREQ.	-7.3105	-0.9516	-33.75	-7.68
278	277	Shell-Thick	SLE-FREQ.	-7.8195	-2.2989	-35.30	-7.68
278	277	Shell-Thick	SLE-FREQ.	-0.8727	-0.9096	-35.30	-6.13
278	277	Shell-Thick	SLE-FREQ.	-0.4368	0.5093	-33.75	-6.13
278	277	Shell-Thick	SLE-QP	-6.6076	-0.8002	-30.51	-7.74
278	277	Shell-Thick	SLE-QP	-7.1182	-2.1558	-32.07	-7.74
278	277	Shell-Thick	SLE-QP	-0.8180	-0.8992	-32.07	-6.17
278	277	Shell-Thick	SLE-QP	-0.3815	0.5289	-30.51	-6.17
279	278	Shell-Thick	SLU-STATICA	-0.5159	0.4586	-59.41	-8.28
279	278	Shell-Thick	SLU-STATICA	-0.6425	-0.8759	-62.03	-8.28
279	278	Shell-Thick	SLU-STATICA	11.5744	1.5418	-62.03	-5.66
279	278	Shell-Thick	SLU-STATICA	11.5762	2.9984	-59.41	-5.66
279	278	Shell-Thick	SLU-SISMICA	-0.8367	0.1953	-88.01	-5.96
279	278	Shell-Thick	SLU-SISMICA	-0.9235	-0.7714	-89.87	-5.96
279	278	Shell-Thick	SLU-SISMICA	16.9211	2.8042	-89.87	-4.10
279	278	Shell-Thick	SLU-SISMICA	16.9254	3.8515	-88.01	-4.10
279	278	Shell-Thick	SLE-RARA	-0.3880	0.3560	-44.85	-6.38
279	278	Shell-Thick	SLE-RARA	-0.4856	-0.6718	-46.86	-6.38
279	278	Shell-Thick	SLE-RARA	8.7413	1.1533	-46.86	-4.36
279	278	Shell-Thick	SLE-RARA	8.7427	2.2752	-44.85	-4.36
279	278	Shell-Thick	SLE-FREQ.	-0.3735	0.3612	-43.46	-6.39
279	278	Shell-Thick	SLE-FREQ.	-0.4715	-0.6686	-45.48	-6.39
279	278	Shell-Thick	SLE-FREQ.	8.4780	1.1001	-45.48	-4.37

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

279	278	Shell-Thick	SLE-FREQ.	8.4793	2.2245	-43.46	-4.37
279	278	Shell-Thick	SLE-QP	-0.3302	0.3767	-39.29	-6.43
279	278	Shell-Thick	SLE-QP	-0.4292	-0.6589	-41.33	-6.43
279	278	Shell-Thick	SLE-QP	7.6882	0.9407	-41.33	-4.40
279	278	Shell-Thick	SLE-QP	7.6892	2.0723	-39.29	-4.40
280	279	Shell-Thick	SLU-STATICA	11.6811	2.7552	-72.75	-6.09
280	279	Shell-Thick	SLU-STATICA	12.2433	1.9397	-76.00	-6.09
280	279	Shell-Thick	SLU-STATICA	27.2100	4.8731	-76.00	-2.84
280	279	Shell-Thick	SLU-STATICA	26.4893	5.8438	-72.75	-2.84
280	279	Shell-Thick	SLU-SISMICA	17.1563	3.7151	-107.73	-4.39
280	279	Shell-Thick	SLU-SISMICA	17.5967	3.1219	-110.06	-4.39
280	279	Shell-Thick	SLU-SISMICA	39.4483	7.4728	-110.06	-2.06
280	279	Shell-Thick	SLU-SISMICA	38.8999	8.1716	-107.73	-2.06
280	279	Shell-Thick	SLE-RARA	8.8203	2.0871	-54.92	-4.69
280	279	Shell-Thick	SLE-RARA	9.2526	1.4591	-57.42	-4.69
280	279	Shell-Thick	SLE-RARA	20.5565	3.6733	-57.42	-2.19
280	279	Shell-Thick	SLE-RARA	20.0020	4.4209	-54.92	-2.19
280	279	Shell-Thick	SLE-FREQ.	8.5520	2.0347	-53.22	-4.70
280	279	Shell-Thick	SLE-FREQ.	8.9841	1.4056	-55.72	-4.70
280	279	Shell-Thick	SLE-FREQ.	19.9484	3.5510	-55.72	-2.19
280	279	Shell-Thick	SLE-FREQ.	19.3937	4.3002	-53.22	-2.19
280	279	Shell-Thick	SLE-QP	7.7471	1.8775	-48.12	-4.72
280	279	Shell-Thick	SLE-QP	8.1783	1.2451	-50.64	-4.72
280	279	Shell-Thick	SLE-QP	18.1242	3.1841	-50.64	-2.20
280	279	Shell-Thick	SLE-QP	17.5689	3.9380	-48.12	-2.20
281	280	Shell-Thick	SLU-STATICA	26.5942	5.5414	-86.16	-3.35
281	280	Shell-Thick	SLU-STATICA	28.0083	5.3561	-90.06	-3.35
281	280	Shell-Thick	SLU-STATICA	45.7417	8.7992	-90.06	0.55
281	280	Shell-Thick	SLU-STATICA	44.1326	9.1756	-86.16	0.55
281	280	Shell-Thick	SLU-SISMICA	39.1535	7.9965	-127.53	-2.42
281	280	Shell-Thick	SLU-SISMICA	40.2562	7.8603	-130.36	-2.42
281	280	Shell-Thick	SLU-SISMICA	66.1335	12.9691	-130.36	0.40
281	280	Shell-Thick	SLU-SISMICA	64.8964	13.2369	-127.53	0.40
281	280	Shell-Thick	SLE-RARA	20.0793	4.1872	-65.04	-2.58
281	280	Shell-Thick	SLE-RARA	21.1667	4.0445	-68.04	-2.58
281	280	Shell-Thick	SLE-RARA	34.5605	6.6433	-68.04	0.42
281	280	Shell-Thick	SLE-RARA	33.3227	6.9333	-65.04	0.42
281	280	Shell-Thick	SLE-FREQ.	19.4653	4.0645	-63.02	-2.59
281	280	Shell-Thick	SLE-FREQ.	20.5522	3.9217	-66.03	-2.59
281	280	Shell-Thick	SLE-FREQ.	33.5442	6.4397	-66.03	0.42
281	280	Shell-Thick	SLE-FREQ.	32.3064	6.7304	-63.02	0.42
281	280	Shell-Thick	SLE-QP	17.6234	3.6967	-56.99	-2.60
281	280	Shell-Thick	SLE-QP	18.7089	3.5532	-60.02	-2.60
281	280	Shell-Thick	SLE-QP	30.4954	5.8289	-60.02	0.42
281	280	Shell-Thick	SLE-QP	29.2575	6.1217	-56.99	0.42
282	281	Shell-Thick	SLU-STATICA	46.1178	9.5624	89.73	0.53
282	281	Shell-Thick	SLU-STATICA	47.6947	9.2001	93.51	0.53
282	281	Shell-Thick	SLU-STATICA	29.2635	5.6005	93.51	-3.25
282	281	Shell-Thick	SLU-STATICA	27.8701	5.7829	89.73	-3.25
282	281	Shell-Thick	SLU-SISMICA	66.4089	13.5274	130.12	0.38
282	281	Shell-Thick	SLU-SISMICA	67.6073	13.2759	132.80	0.38
282	281	Shell-Thick	SLU-SISMICA	41.2327	8.0453	132.80	-2.30
282	281	Shell-Thick	SLU-SISMICA	40.1561	8.1778	130.12	-2.30
282	281	Shell-Thick	SLE-RARA	34.8501	7.2309	67.79	0.41
282	281	Shell-Thick	SLE-RARA	36.0634	6.9518	70.70	0.41
282	281	Shell-Thick	SLE-RARA	22.1320	4.2326	70.70	-2.51
282	281	Shell-Thick	SLE-RARA	21.0603	4.3730	67.79	-2.51
282	281	Shell-Thick	SLE-FREQ.	33.8343	7.0283	65.78	0.41
282	281	Shell-Thick	SLE-FREQ.	35.0480	6.7482	68.70	0.41
282	281	Shell-Thick	SLE-FREQ.	21.5172	4.1098	68.70	-2.51
282	281	Shell-Thick	SLE-FREQ.	20.4457	4.2506	65.78	-2.51
282	281	Shell-Thick	SLE-QP	30.7868	6.4202	59.76	0.41
282	281	Shell-Thick	SLE-QP	32.0020	6.1375	62.71	0.41
282	281	Shell-Thick	SLE-QP	19.6727	3.7416	62.71	-2.53
282	281	Shell-Thick	SLE-QP	18.6017	3.8831	59.76	-2.53
283	282	Shell-Thick	SLU-STATICA	27.6305	6.0430	75.72	-2.76
283	282	Shell-Thick	SLU-STATICA	28.3240	5.1046	78.86	-2.76
283	282	Shell-Thick	SLU-STATICA	12.7793	2.0280	78.86	-5.89
283	282	Shell-Thick	SLU-STATICA	12.2332	2.8220	75.72	-5.89

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

283	282	Shell-Thick	SLU-SISMICA	39.7504	8.3045	109.86	-1.97
283	282	Shell-Thick	SLU-SISMICA	40.2661	7.6441	112.06	-1.97
283	282	Shell-Thick	SLU-SISMICA	18.0087	3.1854	112.06	-4.17
283	282	Shell-Thick	SLU-SISMICA	17.5873	3.7537	109.86	-4.17
283	282	Shell-Thick	SLE-RARA	20.8804	4.5746	57.21	-2.13
283	282	Shell-Thick	SLE-RARA	21.4143	3.8515	59.62	-2.13
283	282	Shell-Thick	SLE-RARA	9.6649	1.5272	59.62	-4.54
283	282	Shell-Thick	SLE-RARA	9.2449	2.1388	57.21	-4.54
283	282	Shell-Thick	SLE-FREQ.	20.2730	4.4545	55.51	-2.13
283	282	Shell-Thick	SLE-FREQ.	20.8075	3.7294	57.93	-2.13
283	282	Shell-Thick	SLE-FREQ.	9.3964	1.4738	57.93	-4.55
283	282	Shell-Thick	SLE-FREQ.	8.9764	2.0868	55.51	-4.55
283	282	Shell-Thick	SLE-QP	18.4508	4.0943	50.43	-2.15
283	282	Shell-Thick	SLE-QP	18.9871	3.3632	52.87	-2.15
283	282	Shell-Thick	SLE-QP	8.5907	1.3137	52.87	-4.59
283	282	Shell-Thick	SLE-QP	8.1708	1.9309	50.43	-4.59
284	283	Shell-Thick	SLU-STATICA	12.0217	3.0305	61.81	-5.49
284	283	Shell-Thick	SLU-STATICA	12.0073	1.6229	64.32	-5.49
284	283	Shell-Thick	SLU-STATICA	-0.6740	-0.9287	64.32	-8.00
284	283	Shell-Thick	SLU-STATICA	-0.5439	0.3657	61.81	-8.00
284	283	Shell-Thick	SLU-SISMICA	17.2368	3.8504	89.71	-3.90
284	283	Shell-Thick	SLU-SISMICA	17.2176	2.8603	91.45	-3.90
284	283	Shell-Thick	SLU-SISMICA	-0.9504	-0.8333	91.45	-5.64
284	283	Shell-Thick	SLU-SISMICA	-0.8585	0.0858	89.71	-5.64
284	283	Shell-Thick	SLE-RARA	9.0860	2.3004	46.69	-4.23
284	283	Shell-Thick	SLE-RARA	9.0751	1.2158	48.63	-4.23
284	283	Shell-Thick	SLE-RARA	-0.5098	-0.7120	48.63	-6.17
284	283	Shell-Thick	SLE-RARA	-0.4095	0.2853	46.69	-6.17
284	283	Shell-Thick	SLE-FREQ.	8.8237	2.2505	45.31	-4.24
284	283	Shell-Thick	SLE-FREQ.	8.8130	1.1628	47.25	-4.24
284	283	Shell-Thick	SLE-FREQ.	-0.4956	-0.7081	47.25	-6.18
284	283	Shell-Thick	SLE-FREQ.	-0.3950	0.2917	45.31	-6.18
284	283	Shell-Thick	SLE-QP	8.0366	2.1009	41.15	-4.28
284	283	Shell-Thick	SLE-QP	8.0267	1.0040	43.12	-4.28
284	283	Shell-Thick	SLE-QP	-0.4530	-0.6963	43.12	-6.24
284	283	Shell-Thick	SLE-QP	-0.3516	0.3109	41.15	-6.24
285	284	Shell-Thick	SLU-STATICA	-0.7143	0.5284	47.98	-7.69
285	284	Shell-Thick	SLU-STATICA	-1.2740	-1.2454	49.89	-7.69
285	284	Shell-Thick	SLU-STATICA	-11.1125	-3.2535	49.89	-9.61
285	284	Shell-Thick	SLU-STATICA	-10.4662	-1.5644	47.98	-9.61
285	284	Shell-Thick	SLU-SISMICA	-1.1397	0.1590	69.66	-5.43
285	284	Shell-Thick	SLU-SISMICA	-1.5611	-1.0848	70.97	-5.43
285	284	Shell-Thick	SLU-SISMICA	-15.6625	-3.9808	70.97	-6.74
285	284	Shell-Thick	SLU-SISMICA	-15.1887	-2.7880	69.66	-6.74
285	284	Shell-Thick	SLE-RARA	-0.5375	0.4115	36.24	-5.93
285	284	Shell-Thick	SLE-RARA	-0.9682	-0.9555	37.72	-5.93
285	284	Shell-Thick	SLE-RARA	-8.4043	-2.4729	37.72	-7.40
285	284	Shell-Thick	SLE-RARA	-7.9067	-1.1714	36.24	-7.40
285	284	Shell-Thick	SLE-FREQ.	-0.5181	0.4196	35.17	-5.94
285	284	Shell-Thick	SLE-FREQ.	-0.9491	-0.9513	36.65	-5.94
285	284	Shell-Thick	SLE-FREQ.	-8.1706	-2.4243	36.65	-7.43
285	284	Shell-Thick	SLE-FREQ.	-7.6723	-1.1193	35.17	-7.43
285	284	Shell-Thick	SLE-QP	-0.4600	0.4440	31.94	-5.99
285	284	Shell-Thick	SLE-QP	-0.8919	-0.9388	33.44	-5.99
285	284	Shell-Thick	SLE-QP	-7.4698	-2.2787	33.44	-7.49
285	284	Shell-Thick	SLE-QP	-6.9691	-0.9632	31.94	-7.49
286	285	Shell-Thick	SLU-STATICA	-10.5913	-1.4441	34.21	-9.38
286	285	Shell-Thick	SLU-STATICA	-11.5470	-3.4858	35.56	-9.38
286	285	Shell-Thick	SLU-STATICA	-18.5609	-4.9384	35.56	-10.73
286	285	Shell-Thick	SLU-STATICA	-17.5448	-2.9556	34.21	-10.73
286	285	Shell-Thick	SLU-SISMICA	-15.3957	-2.7347	49.70	-6.59
286	285	Shell-Thick	SLU-SISMICA	-16.1018	-4.1633	50.61	-6.59
286	285	Shell-Thick	SLU-SISMICA	-26.1588	-6.2580	50.61	-7.50
286	285	Shell-Thick	SLU-SISMICA	-25.4162	-4.8650	49.70	-7.50
286	285	Shell-Thick	SLE-RARA	-8.0007	-1.0780	25.85	-7.23
286	285	Shell-Thick	SLE-RARA	-8.7364	-2.6514	26.89	-7.23
286	285	Shell-Thick	SLE-RARA	-14.0375	-3.7490	26.89	-8.27
286	285	Shell-Thick	SLE-RARA	-13.2551	-2.2212	25.85	-8.27
286	285	Shell-Thick	SLE-FREQ.	-7.7627	-1.0247	25.08	-7.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

286	285	Shell-Thick	SLE-FREQ.	-8.4994	-2.6028	26.12	-7.25
286	285	Shell-Thick	SLE-FREQ.	-13.6473	-3.6683	26.12	-8.29
286	285	Shell-Thick	SLE-FREQ.	-12.8637	-2.1361	25.08	-8.29
286	285	Shell-Thick	SLE-QP	-7.0486	-0.8647	22.78	-7.31
286	285	Shell-Thick	SLE-QP	-7.7881	-2.4568	23.83	-7.31
286	285	Shell-Thick	SLE-QP	-12.4768	-3.4260	23.83	-8.37
286	285	Shell-Thick	SLE-QP	-11.6894	-1.8808	22.78	-8.37
287	286	Shell-Thick	SLU-STATICA	-17.6258	-2.8760	20.51	-10.58
287	286	Shell-Thick	SLU-STATICA	-18.8413	-5.0903	21.31	-10.58
287	286	Shell-Thick	SLU-STATICA	-23.0438	-5.9672	21.31	-11.38
287	286	Shell-Thick	SLU-STATICA	-21.7929	-3.7873	20.51	-11.38
287	286	Shell-Thick	SLU-SISMICA	-25.5511	-4.8300	29.79	-7.41
287	286	Shell-Thick	SLU-SISMICA	-26.4403	-6.3763	30.33	-7.41
287	286	Shell-Thick	SLU-SISMICA	-32.4673	-7.6351	30.33	-7.94
287	286	Shell-Thick	SLU-SISMICA	-31.5577	-6.1086	29.79	-7.94
287	286	Shell-Thick	SLE-RARA	-13.3160	-2.1594	15.49	-8.15
287	286	Shell-Thick	SLE-RARA	-14.2519	-3.8659	16.11	-8.15
287	286	Shell-Thick	SLE-RARA	-17.4281	-4.5286	16.11	-8.77
287	286	Shell-Thick	SLE-RARA	-16.4648	-2.8488	15.49	-8.77
287	286	Shell-Thick	SLE-FREQ.	-12.9221	-2.0734	15.03	-8.17
287	286	Shell-Thick	SLE-FREQ.	-13.8596	-3.7851	15.65	-8.17
287	286	Shell-Thick	SLE-FREQ.	-16.9440	-4.4286	15.65	-8.79
287	286	Shell-Thick	SLE-FREQ.	-15.9790	-2.7438	15.03	-8.79
287	286	Shell-Thick	SLE-QP	-11.7407	-1.8155	13.65	-8.25
287	286	Shell-Thick	SLE-QP	-12.6826	-3.5427	14.28	-8.25
287	286	Shell-Thick	SLE-QP	-15.4918	-4.1286	14.28	-8.87
287	286	Shell-Thick	SLE-QP	-14.5216	-2.4290	13.65	-8.87
288	287	Shell-Thick	SLU-STATICA	-21.8324	-3.7476	6.83	-11.30
288	287	Shell-Thick	SLU-STATICA	-23.1809	-6.0422	7.10	-11.30
288	287	Shell-Thick	SLU-STATICA	-24.5809	-6.3373	7.10	-11.57
288	287	Shell-Thick	SLU-STATICA	-23.2206	-4.0543	6.83	-11.57
288	287	Shell-Thick	SLU-SISMICA	-31.6238	-6.0912	9.93	-7.90
288	287	Shell-Thick	SLU-SISMICA	-32.6043	-7.6931	10.10	-7.90
288	287	Shell-Thick	SLU-SISMICA	-34.6126	-8.1197	10.10	-8.07
288	287	Shell-Thick	SLU-SISMICA	-33.6248	-6.5249	9.93	-8.07
288	287	Shell-Thick	SLE-RARA	-16.4945	-2.8179	5.16	-8.71
288	287	Shell-Thick	SLE-RARA	-17.5329	-4.5863	5.37	-8.71
288	287	Shell-Thick	SLE-RARA	-18.5910	-4.8093	5.37	-8.91
288	287	Shell-Thick	SLE-RARA	-17.5434	-3.0499	5.16	-8.91
288	287	Shell-Thick	SLE-FREQ.	-16.0075	-2.7126	5.01	-8.74
288	287	Shell-Thick	SLE-FREQ.	-17.0478	-4.4863	5.21	-8.74
288	287	Shell-Thick	SLE-FREQ.	-18.0753	-4.7027	5.21	-8.94
288	287	Shell-Thick	SLE-FREQ.	-17.0258	-2.9380	5.01	-8.94
288	287	Shell-Thick	SLE-QP	-14.5465	-2.3965	4.55	-8.81
288	287	Shell-Thick	SLE-QP	-15.5924	-4.1863	4.76	-8.81
288	287	Shell-Thick	SLE-QP	-16.5282	-4.3831	4.76	-9.02
288	287	Shell-Thick	SLE-QP	-15.4729	-2.6024	4.55	-9.02
289	288	Shell-Thick	SLU-STATICA	-23.2206	-4.0543	-6.83	-11.57
289	288	Shell-Thick	SLU-STATICA	-24.5809	-6.3373	-7.10	-11.57
289	288	Shell-Thick	SLU-STATICA	-23.1809	-6.0422	-7.10	-11.30
289	288	Shell-Thick	SLU-STATICA	-21.8324	-3.7476	-6.83	-11.30
289	288	Shell-Thick	SLU-SISMICA	-33.6248	-6.5249	-9.93	-8.07
289	288	Shell-Thick	SLU-SISMICA	-34.6126	-8.1197	-10.10	-8.07
289	288	Shell-Thick	SLU-SISMICA	-32.6043	-7.6931	-10.10	-7.90
289	288	Shell-Thick	SLU-SISMICA	-31.6238	-6.0912	-9.93	-7.90
289	288	Shell-Thick	SLE-RARA	-17.5434	-3.0499	-5.16	-8.91
289	288	Shell-Thick	SLE-RARA	-18.5910	-4.8093	-5.37	-8.91
289	288	Shell-Thick	SLE-RARA	-17.5329	-4.5863	-5.37	-8.71
289	288	Shell-Thick	SLE-RARA	-16.4945	-2.8179	-5.16	-8.71
289	288	Shell-Thick	SLE-FREQ.	-17.0258	-2.9380	-5.01	-8.94
289	288	Shell-Thick	SLE-FREQ.	-18.0753	-4.7027	-5.21	-8.94
289	288	Shell-Thick	SLE-FREQ.	-17.0478	-4.4863	-5.21	-8.74
289	288	Shell-Thick	SLE-FREQ.	-16.0075	-2.7126	-5.01	-8.74
289	288	Shell-Thick	SLE-QP	-15.4729	-2.6024	-4.55	-9.02
289	288	Shell-Thick	SLE-QP	-16.5282	-4.3831	-4.76	-9.02
289	288	Shell-Thick	SLE-QP	-15.5924	-4.1863	-4.76	-8.81
289	288	Shell-Thick	SLE-QP	-14.5465	-2.3965	-4.55	-8.81
290	289	Shell-Thick	SLU-STATICA	-21.7929	-3.7873	-20.51	-11.38
290	289	Shell-Thick	SLU-STATICA	-23.0438	-5.9672	-21.31	-11.38

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

290	289	Shell-Thick	SLU-STATICA	-18.8413	-5.0903	-21.31	-10.58
290	289	Shell-Thick	SLU-STATICA	-17.6258	-2.8760	-20.51	-10.58
290	289	Shell-Thick	SLU-SISMICA	-31.5577	-6.1086	-29.79	-7.94
290	289	Shell-Thick	SLU-SISMICA	-32.4673	-7.6351	-30.33	-7.94
290	289	Shell-Thick	SLU-SISMICA	-26.4403	-6.3763	-30.33	-7.41
290	289	Shell-Thick	SLU-SISMICA	-25.5511	-4.8300	-29.79	-7.41
290	289	Shell-Thick	SLE-RARA	-16.4648	-2.8488	-15.49	-8.77
290	289	Shell-Thick	SLE-RARA	-17.4281	-4.5286	-16.11	-8.77
290	289	Shell-Thick	SLE-RARA	-14.2519	-3.8659	-16.11	-8.15
290	289	Shell-Thick	SLE-RARA	-13.3160	-2.1594	-15.49	-8.15
290	289	Shell-Thick	SLE-FREQ.	-15.9790	-2.7438	-15.03	-8.79
290	289	Shell-Thick	SLE-FREQ.	-16.9440	-4.4286	-15.65	-8.79
290	289	Shell-Thick	SLE-FREQ.	-13.8596	-3.7851	-15.65	-8.17
290	289	Shell-Thick	SLE-FREQ.	-12.9221	-2.0734	-15.03	-8.17
290	289	Shell-Thick	SLE-QP	-14.5216	-2.4290	-13.65	-8.87
290	289	Shell-Thick	SLE-QP	-15.4918	-4.1286	-14.28	-8.87
290	289	Shell-Thick	SLE-QP	-12.6826	-3.5427	-14.28	-8.25
290	289	Shell-Thick	SLE-QP	-11.7407	-1.8155	-13.65	-8.25
291	290	Shell-Thick	SLU-STATICA	-17.5448	-2.9556	-34.21	-10.73
291	290	Shell-Thick	SLU-STATICA	-18.5609	-4.9384	-35.56	-10.73
291	290	Shell-Thick	SLU-STATICA	-11.5470	-3.4858	-35.56	-9.38
291	290	Shell-Thick	SLU-STATICA	-10.5913	-1.4441	-34.21	-9.38
291	290	Shell-Thick	SLU-SISMICA	-25.4162	-4.8650	-49.70	-7.50
291	290	Shell-Thick	SLU-SISMICA	-26.1588	-6.2580	-50.61	-7.50
291	290	Shell-Thick	SLU-SISMICA	-16.1018	-4.1633	-50.61	-6.59
291	290	Shell-Thick	SLU-SISMICA	-15.3957	-2.7347	-49.70	-6.59
291	290	Shell-Thick	SLE-RARA	-13.2551	-2.2212	-25.85	-8.27
291	290	Shell-Thick	SLE-RARA	-14.0375	-3.7490	-26.89	-8.27
291	290	Shell-Thick	SLE-RARA	-8.7364	-2.6514	-26.89	-7.23
291	290	Shell-Thick	SLE-RARA	-8.0007	-1.0780	-25.85	-7.23
291	290	Shell-Thick	SLE-FREQ.	-12.8637	-2.1361	-25.08	-8.29
291	290	Shell-Thick	SLE-FREQ.	-13.6473	-3.6683	-26.12	-8.29
291	290	Shell-Thick	SLE-FREQ.	-8.4994	-2.6028	-26.12	-7.25
291	290	Shell-Thick	SLE-FREQ.	-7.7627	-1.0247	-25.08	-7.25
291	290	Shell-Thick	SLE-QP	-11.6894	-1.8808	-22.78	-8.37
291	290	Shell-Thick	SLE-QP	-12.4768	-3.4260	-23.83	-8.37
291	290	Shell-Thick	SLE-QP	-7.7881	-2.4568	-23.83	-7.31
291	290	Shell-Thick	SLE-QP	-7.0486	-0.8647	-22.78	-7.31
292	291	Shell-Thick	SLU-STATICA	-10.4662	-1.5644	-47.98	-9.61
292	291	Shell-Thick	SLU-STATICA	-11.1125	-3.2535	-49.89	-9.61
292	291	Shell-Thick	SLU-STATICA	-1.2740	-1.2454	-49.89	-7.69
292	291	Shell-Thick	SLU-STATICA	-0.7143	0.5284	-47.98	-7.69
292	291	Shell-Thick	SLU-SISMICA	-15.1887	-2.7880	-69.66	-6.74
292	291	Shell-Thick	SLU-SISMICA	-15.6625	-3.9808	-70.97	-6.74
292	291	Shell-Thick	SLU-SISMICA	-1.5611	-1.0848	-70.97	-5.43
292	291	Shell-Thick	SLU-SISMICA	-1.1397	0.1590	-69.66	-5.43
292	291	Shell-Thick	SLE-RARA	-7.9067	-1.1714	-36.24	-7.40
292	291	Shell-Thick	SLE-RARA	-8.4043	-2.4729	-37.72	-7.40
292	291	Shell-Thick	SLE-RARA	-0.9682	-0.9555	-37.72	-5.93
292	291	Shell-Thick	SLE-RARA	-0.5375	0.4115	-36.24	-5.93
292	291	Shell-Thick	SLE-FREQ.	-7.6723	-1.1193	-35.17	-7.43
292	291	Shell-Thick	SLE-FREQ.	-8.1706	-2.4243	-36.65	-7.43
292	291	Shell-Thick	SLE-FREQ.	-0.9491	-0.9513	-36.65	-5.94
292	291	Shell-Thick	SLE-FREQ.	-0.5181	0.4196	-35.17	-5.94
292	291	Shell-Thick	SLE-QP	-6.9691	-0.9632	-31.94	-7.49
292	291	Shell-Thick	SLE-QP	-7.4698	-2.2787	-33.44	-7.49
292	291	Shell-Thick	SLE-QP	-0.8919	-0.9388	-33.44	-5.99
292	291	Shell-Thick	SLE-QP	-0.4600	0.4440	-31.94	-5.99
293	292	Shell-Thick	SLU-STATICA	-0.5439	0.3657	-61.81	-8.00
293	292	Shell-Thick	SLU-STATICA	-0.6740	-0.9287	-64.32	-8.00
293	292	Shell-Thick	SLU-STATICA	12.0073	1.6229	-64.32	-5.49
293	292	Shell-Thick	SLU-STATICA	12.0217	3.0305	-61.81	-5.49
293	292	Shell-Thick	SLU-SISMICA	-0.8585	0.0858	-89.71	-5.64
293	292	Shell-Thick	SLU-SISMICA	-0.9504	-0.8333	-91.45	-5.64
293	292	Shell-Thick	SLU-SISMICA	17.2176	2.8603	-91.45	-3.90
293	292	Shell-Thick	SLU-SISMICA	17.2368	3.8504	-89.71	-3.90
293	292	Shell-Thick	SLE-RARA	-0.4095	0.2853	-46.69	-6.17
293	292	Shell-Thick	SLE-RARA	-0.5098	-0.7120	-48.63	-6.17
293	292	Shell-Thick	SLE-RARA	9.0751	1.2158	-48.63	-4.23

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

293	292	Shell-Thick	SLE-RARA	9.0860	2.3004	-46.69	-4.23
293	292	Shell-Thick	SLE-FREQ.	-0.3950	0.2917	-45.31	-6.18
293	292	Shell-Thick	SLE-FREQ.	-0.4956	-0.7081	-47.25	-6.18
293	292	Shell-Thick	SLE-FREQ.	8.8130	1.1628	-47.25	-4.24
293	292	Shell-Thick	SLE-FREQ.	8.8237	2.2505	-45.31	-4.24
293	292	Shell-Thick	SLE-QP	-0.3516	0.3109	-41.15	-6.24
293	292	Shell-Thick	SLE-QP	-0.4530	-0.6963	-43.12	-6.24
293	292	Shell-Thick	SLE-QP	8.0267	1.0040	-43.12	-4.28
293	292	Shell-Thick	SLE-QP	8.0366	2.1009	-41.15	-4.28
294	293	Shell-Thick	SLU-STATICA	12.2332	2.8220	-75.72	-5.89
294	293	Shell-Thick	SLU-STATICA	12.7793	2.0280	-78.86	-5.89
294	293	Shell-Thick	SLU-STATICA	28.3240	5.1046	-78.86	-2.76
294	293	Shell-Thick	SLU-STATICA	27.6305	6.0430	-75.72	-2.76
294	293	Shell-Thick	SLU-SISMICA	17.5873	3.7537	-109.86	-4.17
294	293	Shell-Thick	SLU-SISMICA	18.0087	3.1854	-112.06	-4.17
294	293	Shell-Thick	SLU-SISMICA	40.2661	7.6441	-112.06	-1.97
294	293	Shell-Thick	SLU-SISMICA	39.7504	8.3045	-109.86	-1.97
294	293	Shell-Thick	SLE-RARA	9.2449	2.1388	-57.21	-4.54
294	293	Shell-Thick	SLE-RARA	9.6649	1.5272	-59.62	-4.54
294	293	Shell-Thick	SLE-RARA	21.4143	3.8515	-59.62	-2.13
294	293	Shell-Thick	SLE-RARA	20.8804	4.5746	-57.21	-2.13
294	293	Shell-Thick	SLE-FREQ.	8.9764	2.0868	-55.51	-4.55
294	293	Shell-Thick	SLE-FREQ.	9.3964	1.4738	-57.93	-4.55
294	293	Shell-Thick	SLE-FREQ.	20.8075	3.7294	-57.93	-2.13
294	293	Shell-Thick	SLE-FREQ.	20.2730	4.4545	-55.51	-2.13
294	293	Shell-Thick	SLE-QP	8.1708	1.9309	-50.43	-4.59
294	293	Shell-Thick	SLE-QP	8.5907	1.3137	-52.87	-4.59
294	293	Shell-Thick	SLE-QP	18.9871	3.3632	-52.87	-2.15
294	293	Shell-Thick	SLE-QP	18.4508	4.0943	-50.43	-2.15
295	294	Shell-Thick	SLU-STATICA	27.8701	5.7829	-89.73	-3.25
295	294	Shell-Thick	SLU-STATICA	29.2635	5.6005	-93.51	-3.25
295	294	Shell-Thick	SLU-STATICA	47.6947	9.2001	-93.51	0.53
295	294	Shell-Thick	SLU-STATICA	46.1178	9.5624	-89.73	0.53
295	294	Shell-Thick	SLU-SISMICA	40.1561	8.1778	-130.12	-2.30
295	294	Shell-Thick	SLU-SISMICA	41.2327	8.0453	-132.80	-2.30
295	294	Shell-Thick	SLU-SISMICA	67.6073	13.2759	-132.80	0.38
295	294	Shell-Thick	SLU-SISMICA	66.4089	13.5274	-130.12	0.38
295	294	Shell-Thick	SLE-RARA	21.0603	4.3730	-67.79	-2.51
295	294	Shell-Thick	SLE-RARA	22.1320	4.2326	-70.70	-2.51
295	294	Shell-Thick	SLE-RARA	36.0634	6.9518	-70.70	0.41
295	294	Shell-Thick	SLE-RARA	34.8501	7.2309	-67.79	0.41
295	294	Shell-Thick	SLE-FREQ.	20.4457	4.2506	-65.78	-2.51
295	294	Shell-Thick	SLE-FREQ.	21.5172	4.1098	-68.70	-2.51
295	294	Shell-Thick	SLE-FREQ.	35.0480	6.7482	-68.70	0.41
295	294	Shell-Thick	SLE-FREQ.	33.8343	7.0283	-65.78	0.41
295	294	Shell-Thick	SLE-QP	18.6017	3.8831	-59.76	-2.53
295	294	Shell-Thick	SLE-QP	19.6727	3.7416	-62.71	-2.53
295	294	Shell-Thick	SLE-QP	32.0020	6.1375	-62.71	0.41
295	294	Shell-Thick	SLE-QP	30.7868	6.4202	-59.76	0.41
296	295	Shell-Thick	SLU-STATICA	48.0608	9.9363	93.19	0.51
296	295	Shell-Thick	SLU-STATICA	49.5836	9.5926	96.82	0.51
296	295	Shell-Thick	SLU-STATICA	30.4827	5.8379	96.82	-3.12
296	295	Shell-Thick	SLU-STATICA	29.1280	6.0171	93.19	-3.12
296	295	Shell-Thick	SLU-SISMICA	67.8713	13.8025	132.57	0.36
296	295	Shell-Thick	SLU-SISMICA	69.0050	13.5728	135.07	0.36
296	295	Shell-Thick	SLU-SISMICA	42.1670	8.2271	135.07	-2.15
296	295	Shell-Thick	SLU-SISMICA	41.1362	8.3562	132.57	-2.15
296	295	Shell-Thick	SLE-RARA	36.3453	7.5188	70.45	0.39
296	295	Shell-Thick	SLE-RARA	37.5175	7.2537	73.25	0.39
296	295	Shell-Thick	SLE-RARA	23.0700	4.4152	73.25	-2.41
296	295	Shell-Thick	SLE-RARA	22.0276	4.5532	70.45	-2.41
296	295	Shell-Thick	SLE-FREQ.	35.3306	7.3166	68.46	0.39
296	295	Shell-Thick	SLE-FREQ.	36.5040	7.0503	71.26	0.39
296	295	Shell-Thick	SLE-FREQ.	22.4553	4.2925	71.26	-2.41
296	295	Shell-Thick	SLE-FREQ.	21.4125	4.4308	68.46	-2.41
296	295	Shell-Thick	SLE-QP	32.2863	6.7098	62.46	0.40
296	295	Shell-Thick	SLE-QP	33.4634	6.4401	65.29	0.40
296	295	Shell-Thick	SLE-QP	20.6112	3.9244	65.29	-2.44
296	295	Shell-Thick	SLE-QP	19.5673	4.0636	62.46	-2.44



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297	296	Shell-Thick	SLU-STATICA	28.7286	6.2256	78.59	-2.66
297	296	Shell-Thick	SLU-STATICA	29.3798	5.3289	81.57	-2.66
297	296	Shell-Thick	SLU-STATICA	13.2832	2.0976	81.57	-5.64
297	296	Shell-Thick	SLU-STATICA	12.7659	2.8633	78.59	-5.64
297	296	Shell-Thick	SLU-SISMICA	40.5497	8.4239	111.87	-1.86
297	296	Shell-Thick	SLU-SISMICA	41.0151	7.8117	113.89	-1.86
297	296	Shell-Thick	SLU-SISMICA	18.3814	3.2211	113.89	-3.88
297	296	Shell-Thick	SLU-SISMICA	17.9951	3.7561	111.87	-3.88
297	296	Shell-Thick	SLE-RARA	21.7261	4.7155	59.42	-2.05
297	296	Shell-Thick	SLE-RARA	22.2277	4.0241	61.71	-2.05
297	296	Shell-Thick	SLE-RARA	10.0529	1.5811	61.71	-4.35
297	296	Shell-Thick	SLE-RARA	9.6547	2.1712	59.42	-4.35
297	296	Shell-Thick	SLE-FREQ.	21.1202	4.5961	57.73	-2.06
297	296	Shell-Thick	SLE-FREQ.	21.6230	3.9022	60.04	-2.06
297	296	Shell-Thick	SLE-FREQ.	9.7848	1.5283	60.04	-4.37
297	296	Shell-Thick	SLE-FREQ.	9.3863	2.1201	57.73	-4.37
297	296	Shell-Thick	SLE-QP	19.3025	4.2380	52.66	-2.08
297	296	Shell-Thick	SLE-QP	19.8088	3.5365	55.00	-2.08
297	296	Shell-Thick	SLE-QP	8.9805	1.3699	55.00	-4.41
297	296	Shell-Thick	SLE-QP	8.5809	1.9671	52.66	-4.41
298	297	Shell-Thick	SLU-STATICA	12.4329	3.0305	64.11	-5.27
298	297	Shell-Thick	SLU-STATICA	12.3997	1.6871	66.48	-5.27
298	297	Shell-Thick	SLU-STATICA	-0.7218	-1.0044	66.48	-7.64
298	297	Shell-Thick	SLU-STATICA	-0.5849	0.2376	64.11	-7.64
298	297	Shell-Thick	SLU-SISMICA	17.5076	3.8057	91.30	-3.64
298	297	Shell-Thick	SLU-SISMICA	17.4660	2.8909	92.88	-3.64
298	297	Shell-Thick	SLU-SISMICA	-0.9961	-0.9172	92.88	-5.22
298	297	Shell-Thick	SLU-SISMICA	-0.8965	-0.0588	91.30	-5.22
298	297	Shell-Thick	SLE-RARA	9.4033	2.3014	48.47	-4.06
298	297	Shell-Thick	SLE-RARA	9.3780	1.2656	50.30	-4.06
298	297	Shell-Thick	SLE-RARA	-0.5464	-0.7697	50.30	-5.89
298	297	Shell-Thick	SLE-RARA	-0.4409	0.1876	48.47	-5.89
298	297	Shell-Thick	SLE-FREQ.	9.1424	2.2529	47.09	-4.08
298	297	Shell-Thick	SLE-FREQ.	9.1177	1.2133	48.92	-4.08
298	297	Shell-Thick	SLE-FREQ.	-0.5319	-0.7650	48.92	-5.92
298	297	Shell-Thick	SLE-FREQ.	-0.4262	0.1956	47.09	-5.92
298	297	Shell-Thick	SLE-QP	8.3598	2.1077	42.95	-4.12
298	297	Shell-Thick	SLE-QP	8.3367	1.0563	44.81	-4.12
298	297	Shell-Thick	SLE-QP	-0.4884	-0.7507	44.81	-5.98
298	297	Shell-Thick	SLE-QP	-0.3822	0.2193	42.95	-5.98
299	298	Shell-Thick	SLU-STATICA	-0.8422	0.3689	49.73	-7.35
299	298	Shell-Thick	SLU-STATICA	-1.3914	-1.3211	51.53	-7.35
299	298	Shell-Thick	SLU-STATICA	-11.5653	-3.4547	51.53	-9.15
299	298	Shell-Thick	SLU-STATICA	-10.9387	-1.8402	49.73	-9.15
299	298	Shell-Thick	SLU-SISMICA	-1.2745	-0.0212	70.86	-5.04
299	298	Shell-Thick	SLU-SISMICA	-1.6834	-1.1677	72.04	-5.04
299	298	Shell-Thick	SLU-SISMICA	-16.0065	-4.1811	72.04	-6.21
299	298	Shell-Thick	SLU-SISMICA	-15.5553	-3.0757	70.86	-6.21
299	298	Shell-Thick	SLE-RARA	-0.6352	0.2899	37.60	-5.67
299	298	Shell-Thick	SLE-RARA	-1.0579	-1.0132	38.99	-5.67
299	298	Shell-Thick	SLE-RARA	-8.7527	-2.6267	38.99	-7.06
299	298	Shell-Thick	SLE-RARA	-8.2701	-1.3820	37.60	-7.06
299	298	Shell-Thick	SLE-FREQ.	-0.6146	0.3000	36.53	-5.69
299	298	Shell-Thick	SLE-FREQ.	-1.0378	-1.0082	37.92	-5.69
299	298	Shell-Thick	SLE-FREQ.	-8.5192	-2.5767	37.92	-7.09
299	298	Shell-Thick	SLE-FREQ.	-8.0356	-1.3275	36.53	-7.09
299	298	Shell-Thick	SLE-QP	-0.5528	0.3300	33.31	-5.75
299	298	Shell-Thick	SLE-QP	-0.9774	-0.9933	34.73	-5.75
299	298	Shell-Thick	SLE-QP	-7.8187	-2.4266	34.73	-7.17
299	298	Shell-Thick	SLE-QP	-7.3321	-1.1640	33.31	-7.17
300	299	Shell-Thick	SLU-STATICA	-11.1219	-1.7422	35.45	-8.94
300	299	Shell-Thick	SLU-STATICA	-12.0389	-3.6841	36.71	-8.94
300	299	Shell-Thick	SLU-STATICA	-19.2879	-5.2299	36.71	-10.20
300	299	Shell-Thick	SLU-STATICA	-18.3177	-3.3400	35.45	-10.20
300	299	Shell-Thick	SLU-SISMICA	-15.8267	-3.0477	50.53	-6.08
300	299	Shell-Thick	SLU-SISMICA	-16.4874	-4.3596	51.34	-6.08
300	299	Shell-Thick	SLU-SISMICA	-26.6969	-6.5335	51.34	-6.89
300	299	Shell-Thick	SLU-SISMICA	-26.0088	-5.2484	50.53	-6.89
300	299	Shell-Thick	SLE-RARA	-8.4083	-1.3056	26.80	-6.89

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300	299	Shell-Thick	SLE-RARA	-9.1147	-2.8031	27.77	-6.89
300	299	Shell-Thick	SLE-RARA	-14.5972	-3.9723	27.77	-7.87
300	299	Shell-Thick	SLE-RARA	-13.8497	-2.5151	26.80	-7.87
300	299	Shell-Thick	SLE-FREQ.	-8.1695	-1.2496	26.04	-6.92
300	299	Shell-Thick	SLE-FREQ.	-8.8773	-2.7530	27.02	-6.92
300	299	Shell-Thick	SLE-FREQ.	-14.2077	-3.8898	27.02	-7.90
300	299	Shell-Thick	SLE-FREQ.	-13.4583	-2.4271	26.04	-7.90
300	299	Shell-Thick	SLE-QP	-7.4532	-1.0813	23.74	-7.00
300	299	Shell-Thick	SLE-QP	-8.1654	-2.6027	24.74	-7.00
300	299	Shell-Thick	SLE-QP	-13.0393	-3.6425	24.74	-7.99
300	299	Shell-Thick	SLE-QP	-12.2841	-2.1631	23.74	-7.99
301	300	Shell-Thick	SLU-STATICA	-18.4333	-3.2745	21.24	-10.06
301	300	Shell-Thick	SLU-STATICA	-19.5877	-5.3785	21.99	-10.06
301	300	Shell-Thick	SLU-STATICA	-23.9298	-6.3181	21.99	-10.81
301	300	Shell-Thick	SLU-STATICA	-22.7442	-4.2447	21.24	-10.81
301	300	Shell-Thick	SLU-SISMICA	-26.1818	-5.2294	30.28	-6.81
301	300	Shell-Thick	SLU-SISMICA	-26.9984	-6.6474	30.76	-6.81
301	300	Shell-Thick	SLU-SISMICA	-33.1160	-7.9699	30.76	-7.28
301	300	Shell-Thick	SLU-SISMICA	-32.2830	-6.5679	30.28	-7.28
301	300	Shell-Thick	SLE-RARA	-13.9369	-2.4641	16.06	-7.76
301	300	Shell-Thick	SLE-RARA	-14.8263	-4.0866	16.63	-7.76
301	300	Shell-Thick	SLE-RARA	-18.1103	-4.7972	16.63	-8.33
301	300	Shell-Thick	SLE-RARA	-17.1967	-3.1984	16.06	-8.33
301	300	Shell-Thick	SLE-FREQ.	-13.5428	-2.3750	15.60	-7.79
301	300	Shell-Thick	SLE-FREQ.	-14.4345	-4.0041	16.18	-7.79
301	300	Shell-Thick	SLE-FREQ.	-17.6273	-4.6951	16.18	-8.37
301	300	Shell-Thick	SLE-FREQ.	-16.7111	-3.0899	15.60	-8.37
301	300	Shell-Thick	SLE-QP	-12.3604	-2.1080	14.23	-7.88
301	300	Shell-Thick	SLE-QP	-13.2591	-3.7569	14.82	-7.88
301	300	Shell-Thick	SLE-QP	-16.1783	-4.3887	14.82	-8.47
301	300	Shell-Thick	SLE-QP	-15.2543	-2.7646	14.23	-8.47
302	301	Shell-Thick	SLU-STATICA	-22.7997	-4.2118	7.08	-10.74
302	301	Shell-Thick	SLU-STATICA	-24.0743	-6.3910	7.32	-10.74
302	301	Shell-Thick	SLU-STATICA	-25.5204	-6.7046	7.32	-10.99
302	301	Shell-Thick	SLU-STATICA	-24.2356	-4.5354	7.08	-10.99
302	301	Shell-Thick	SLU-SISMICA	-32.3668	-6.5582	10.09	-7.24
302	301	Shell-Thick	SLU-SISMICA	-33.2603	-8.0252	10.24	-7.24
302	301	Shell-Thick	SLU-SISMICA	-35.2977	-8.4633	10.24	-7.40
302	301	Shell-Thick	SLU-SISMICA	-34.3994	-7.0009	10.09	-7.40
302	301	Shell-Thick	SLE-RARA	-17.2386	-3.1728	5.35	-8.28
302	301	Shell-Thick	SLE-RARA	-18.2208	-4.8533	5.54	-8.28
302	301	Shell-Thick	SLE-RARA	-19.3145	-5.0905	5.54	-8.47
302	301	Shell-Thick	SLE-RARA	-18.3243	-3.4178	5.35	-8.47
302	301	Shell-Thick	SLE-FREQ.	-16.7517	-3.0639	5.20	-8.31
302	301	Shell-Thick	SLE-FREQ.	-17.7367	-4.7512	5.39	-8.31
302	301	Shell-Thick	SLE-FREQ.	-18.8000	-4.9820	5.39	-8.51
302	301	Shell-Thick	SLE-FREQ.	-17.8069	-3.3024	5.20	-8.51
302	301	Shell-Thick	SLE-QP	-15.2908	-2.7369	4.74	-8.41
302	301	Shell-Thick	SLE-QP	-16.2844	-4.4449	4.93	-8.41
302	301	Shell-Thick	SLE-QP	-17.2566	-4.6563	4.93	-8.61
302	301	Shell-Thick	SLE-QP	-16.2546	-2.9564	4.74	-8.61
303	302	Shell-Thick	SLU-STATICA	-24.2356	-4.5354	-7.08	-10.99
303	302	Shell-Thick	SLU-STATICA	-25.5204	-6.7046	-7.32	-10.99
303	302	Shell-Thick	SLU-STATICA	-24.0743	-6.3910	-7.32	-10.74
303	302	Shell-Thick	SLU-STATICA	-22.7997	-4.2118	-7.08	-10.74
303	302	Shell-Thick	SLU-SISMICA	-34.3994	-7.0009	-10.09	-7.40
303	302	Shell-Thick	SLU-SISMICA	-35.2977	-8.4633	-10.24	-7.40
303	302	Shell-Thick	SLU-SISMICA	-33.2603	-8.0252	-10.24	-7.24
303	302	Shell-Thick	SLU-SISMICA	-32.3668	-6.5582	-10.09	-7.24
303	302	Shell-Thick	SLE-RARA	-18.3243	-3.4178	-5.35	-8.47
303	302	Shell-Thick	SLE-RARA	-19.3145	-5.0905	-5.54	-8.47
303	302	Shell-Thick	SLE-RARA	-18.2208	-4.8533	-5.54	-8.28
303	302	Shell-Thick	SLE-RARA	-17.2386	-3.1728	-5.35	-8.28
303	302	Shell-Thick	SLE-FREQ.	-17.8069	-3.3024	-5.20	-8.51
303	302	Shell-Thick	SLE-FREQ.	-18.8000	-4.9820	-5.39	-8.51
303	302	Shell-Thick	SLE-FREQ.	-17.7367	-4.7512	-5.39	-8.31
303	302	Shell-Thick	SLE-FREQ.	-16.7517	-3.0639	-5.20	-8.31
303	302	Shell-Thick	SLE-QP	-16.2546	-2.9564	-4.74	-8.61
303	302	Shell-Thick	SLE-QP	-17.2566	-4.6563	-4.93	-8.61



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303	302	Shell-Thick	SLE-QP	-16.2844	-4.4449	-4.93	-8.41
303	302	Shell-Thick	SLE-QP	-15.2908	-2.7369	-4.74	-8.41
304	303	Shell-Thick	SLU-STATICA	-22.7442	-4.2447	-21.24	-10.81
304	303	Shell-Thick	SLU-STATICA	-23.9298	-6.3181	-21.99	-10.81
304	303	Shell-Thick	SLU-STATICA	-19.5877	-5.3785	-21.99	-10.06
304	303	Shell-Thick	SLU-STATICA	-18.4333	-3.2745	-21.24	-10.06
304	303	Shell-Thick	SLU-SISMICA	-32.2830	-6.5679	-30.28	-7.28
304	303	Shell-Thick	SLU-SISMICA	-33.1160	-7.9699	-30.76	-7.28
304	303	Shell-Thick	SLU-SISMICA	-26.9984	-6.6474	-30.76	-6.81
304	303	Shell-Thick	SLU-SISMICA	-26.1818	-5.2294	-30.28	-6.81
304	303	Shell-Thick	SLE-RARA	-17.1967	-3.1984	-16.06	-8.33
304	303	Shell-Thick	SLE-RARA	-18.1103	-4.7972	-16.63	-8.33
304	303	Shell-Thick	SLE-RARA	-14.8263	-4.0866	-16.63	-7.76
304	303	Shell-Thick	SLE-RARA	-13.9369	-2.4641	-16.06	-7.76
304	303	Shell-Thick	SLE-FREQ.	-16.7111	-3.0899	-15.60	-8.37
304	303	Shell-Thick	SLE-FREQ.	-17.6273	-4.6951	-16.18	-8.37
304	303	Shell-Thick	SLE-FREQ.	-14.4345	-4.0041	-16.18	-7.79
304	303	Shell-Thick	SLE-FREQ.	-13.5428	-2.3750	-15.60	-7.79
304	303	Shell-Thick	SLE-QP	-15.2543	-2.7646	-14.23	-8.47
304	303	Shell-Thick	SLE-QP	-16.1783	-4.3887	-14.82	-8.47
304	303	Shell-Thick	SLE-QP	-13.2591	-3.7569	-14.82	-7.88
304	303	Shell-Thick	SLE-QP	-12.3604	-2.1080	-14.23	-7.88
305	304	Shell-Thick	SLU-STATICA	-18.3177	-3.3400	-35.45	-10.20
305	304	Shell-Thick	SLU-STATICA	-19.2879	-5.2299	-36.71	-10.20
305	304	Shell-Thick	SLU-STATICA	-12.0389	-3.6841	-36.71	-8.94
305	304	Shell-Thick	SLU-STATICA	-11.1219	-1.7422	-35.45	-8.94
305	304	Shell-Thick	SLU-SISMICA	-26.0088	-5.2484	-50.53	-6.89
305	304	Shell-Thick	SLU-SISMICA	-26.6969	-6.5335	-51.34	-6.89
305	304	Shell-Thick	SLU-SISMICA	-16.4874	-4.3596	-51.34	-6.08
305	304	Shell-Thick	SLU-SISMICA	-15.8267	-3.0477	-50.53	-6.08
305	304	Shell-Thick	SLE-RARA	-13.8497	-2.5151	-26.80	-7.87
305	304	Shell-Thick	SLE-RARA	-14.5972	-3.9723	-27.77	-7.87
305	304	Shell-Thick	SLE-RARA	-9.1147	-2.8031	-27.77	-6.89
305	304	Shell-Thick	SLE-RARA	-8.4083	-1.3056	-26.80	-6.89
305	304	Shell-Thick	SLE-FREQ.	-13.4583	-2.4271	-26.04	-7.90
305	304	Shell-Thick	SLE-FREQ.	-14.2077	-3.8898	-27.02	-7.90
305	304	Shell-Thick	SLE-FREQ.	-8.8773	-2.7530	-27.02	-6.92
305	304	Shell-Thick	SLE-FREQ.	-8.1695	-1.2496	-26.04	-6.92
305	304	Shell-Thick	SLE-QP	-12.2841	-2.1631	-23.74	-7.99
305	304	Shell-Thick	SLE-QP	-13.0393	-3.6425	-24.74	-7.99
305	304	Shell-Thick	SLE-QP	-8.1654	-2.6027	-24.74	-7.00
305	304	Shell-Thick	SLE-QP	-7.4532	-1.0813	-23.74	-7.00
306	305	Shell-Thick	SLU-STATICA	-10.9387	-1.8402	-49.73	-9.15
306	305	Shell-Thick	SLU-STATICA	-11.5653	-3.4547	-51.53	-9.15
306	305	Shell-Thick	SLU-STATICA	-1.3914	-1.3211	-51.53	-7.35
306	305	Shell-Thick	SLU-STATICA	-0.8422	0.3689	-49.73	-7.35
306	305	Shell-Thick	SLU-SISMICA	-15.5553	-3.0757	-70.86	-6.21
306	305	Shell-Thick	SLU-SISMICA	-16.0065	-4.1811	-72.04	-6.21
306	305	Shell-Thick	SLU-SISMICA	-1.6834	-1.1677	-72.04	-5.04
306	305	Shell-Thick	SLU-SISMICA	-1.2745	-0.0212	-70.86	-5.04
306	305	Shell-Thick	SLE-RARA	-8.2701	-1.3820	-37.60	-7.06
306	305	Shell-Thick	SLE-RARA	-8.7527	-2.6267	-38.99	-7.06
306	305	Shell-Thick	SLE-RARA	-1.0579	-1.0132	-38.99	-5.67
306	305	Shell-Thick	SLE-RARA	-0.6352	0.2899	-37.60	-5.67
306	305	Shell-Thick	SLE-FREQ.	-8.0356	-1.3275	-36.53	-7.09
306	305	Shell-Thick	SLE-FREQ.	-8.5192	-2.5767	-37.92	-7.09
306	305	Shell-Thick	SLE-FREQ.	-1.0378	-1.0082	-37.92	-5.69
306	305	Shell-Thick	SLE-FREQ.	-0.6146	0.3000	-36.53	-5.69
306	305	Shell-Thick	SLE-QP	-7.3321	-1.1640	-33.31	-7.17
306	305	Shell-Thick	SLE-QP	-7.8187	-2.4266	-34.73	-7.17
306	305	Shell-Thick	SLE-QP	-0.9774	-0.9933	-34.73	-5.75
306	305	Shell-Thick	SLE-QP	-0.5528	0.3300	-33.31	-5.75
307	306	Shell-Thick	SLU-STATICA	-0.5849	0.2376	-64.11	-7.64
307	306	Shell-Thick	SLU-STATICA	-0.7218	-1.0044	-66.48	-7.64
307	306	Shell-Thick	SLU-STATICA	12.3997	1.6871	-66.48	-5.27
307	306	Shell-Thick	SLU-STATICA	12.4329	3.0305	-64.11	-5.27
307	306	Shell-Thick	SLU-SISMICA	-0.8965	-0.0588	-91.30	-5.22
307	306	Shell-Thick	SLU-SISMICA	-0.9961	-0.9172	-92.88	-5.22
307	306	Shell-Thick	SLU-SISMICA	17.4660	2.8909	-92.88	-3.64

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307	306	Shell-Thick	SLU-SISMICA	17.5076	3.8057	-91.30	-3.64
307	306	Shell-Thick	SLE-RARA	-0.4409	0.1876	-48.47	-5.89
307	306	Shell-Thick	SLE-RARA	-0.5464	-0.7697	-50.30	-5.89
307	306	Shell-Thick	SLE-RARA	9.3780	1.2656	-50.30	-4.06
307	306	Shell-Thick	SLE-RARA	9.4033	2.3014	-48.47	-4.06
307	306	Shell-Thick	SLE-FREQ.	-0.4262	0.1956	-47.09	-5.92
307	306	Shell-Thick	SLE-FREQ.	-0.5319	-0.7650	-48.92	-5.92
307	306	Shell-Thick	SLE-FREQ.	9.1177	1.2133	-48.92	-4.08
307	306	Shell-Thick	SLE-FREQ.	9.1424	2.2529	-47.09	-4.08
307	306	Shell-Thick	SLE-QP	-0.3822	0.2193	-42.95	-5.98
307	306	Shell-Thick	SLE-QP	-0.4884	-0.7507	-44.81	-5.98
307	306	Shell-Thick	SLE-QP	8.3367	1.0563	-44.81	-4.12
307	306	Shell-Thick	SLE-QP	8.3598	2.1077	-42.95	-4.12
308	307	Shell-Thick	SLU-STATICA	12.7659	2.8633	-78.59	-5.64
308	307	Shell-Thick	SLU-STATICA	13.2832	2.0976	-81.57	-5.64
308	307	Shell-Thick	SLU-STATICA	29.3798	5.3289	-81.57	-2.66
308	307	Shell-Thick	SLU-STATICA	28.7286	6.2256	-78.59	-2.66
308	307	Shell-Thick	SLU-SISMICA	17.9952	3.7561	-111.87	-3.88
308	307	Shell-Thick	SLU-SISMICA	18.3814	3.2211	-113.89	-3.88
308	307	Shell-Thick	SLU-SISMICA	41.0151	7.8117	-113.89	-1.86
308	307	Shell-Thick	SLU-SISMICA	40.5497	8.4239	-111.87	-1.86
308	307	Shell-Thick	SLE-RARA	9.6547	2.1712	-59.42	-4.35
308	307	Shell-Thick	SLE-RARA	10.0529	1.5811	-61.71	-4.35
308	307	Shell-Thick	SLE-RARA	22.2277	4.0241	-61.71	-2.05
308	307	Shell-Thick	SLE-RARA	21.7261	4.7155	-59.42	-2.05
308	307	Shell-Thick	SLE-FREQ.	9.3863	2.1201	-57.73	-4.37
308	307	Shell-Thick	SLE-FREQ.	9.7848	1.5283	-60.04	-4.37
308	307	Shell-Thick	SLE-FREQ.	21.6230	3.9022	-60.04	-2.06
308	307	Shell-Thick	SLE-FREQ.	21.1202	4.5961	-57.73	-2.06
308	307	Shell-Thick	SLE-QP	8.5809	1.9671	-52.66	-4.41
308	307	Shell-Thick	SLE-QP	8.9805	1.3699	-55.00	-4.41
308	307	Shell-Thick	SLE-QP	19.8088	3.5365	-55.00	-2.08
308	307	Shell-Thick	SLE-QP	19.3025	4.2380	-52.66	-2.08
309	308	Shell-Thick	SLU-STATICA	29.1280	6.0171	-93.19	-3.12
309	308	Shell-Thick	SLU-STATICA	30.4827	5.8379	-96.82	-3.12
309	308	Shell-Thick	SLU-STATICA	49.5836	9.5926	-96.82	0.51
309	308	Shell-Thick	SLU-STATICA	48.0608	9.9363	-93.19	0.51
309	308	Shell-Thick	SLU-SISMICA	41.1363	8.3562	-132.57	-2.15
309	308	Shell-Thick	SLU-SISMICA	42.1670	8.2271	-135.07	-2.15
309	308	Shell-Thick	SLU-SISMICA	69.0050	13.5728	-135.07	0.36
309	308	Shell-Thick	SLU-SISMICA	67.8713	13.8025	-132.57	0.36
309	308	Shell-Thick	SLE-RARA	22.0276	4.5532	-70.45	-2.41
309	308	Shell-Thick	SLE-RARA	23.0700	4.4152	-73.25	-2.41
309	308	Shell-Thick	SLE-RARA	37.5175	7.2537	-73.25	0.39
309	308	Shell-Thick	SLE-RARA	36.3453	7.5188	-70.45	0.39
309	308	Shell-Thick	SLE-FREQ.	21.4125	4.4308	-68.46	-2.41
309	308	Shell-Thick	SLE-FREQ.	22.4553	4.2925	-71.26	-2.41
309	308	Shell-Thick	SLE-FREQ.	36.5040	7.0503	-71.26	0.39
309	308	Shell-Thick	SLE-FREQ.	35.3306	7.3166	-68.46	0.39
309	308	Shell-Thick	SLE-QP	19.5673	4.0636	-62.46	-2.44
309	308	Shell-Thick	SLE-QP	20.6112	3.9244	-65.29	-2.44
309	308	Shell-Thick	SLE-QP	33.4634	6.4401	-65.29	0.40
309	308	Shell-Thick	SLE-QP	32.2863	6.7098	-62.46	0.40
310	309	Shell-Thick	SLU-STATICA	49.9357	10.2912	96.51	0.48
310	309	Shell-Thick	SLU-STATICA	51.3734	9.9707	99.93	0.48
310	309	Shell-Thick	SLU-STATICA	31.6387	6.0581	99.93	-2.95
310	309	Shell-Thick	SLU-STATICA	30.3495	6.2334	96.51	-2.95
310	309	Shell-Thick	SLU-SISMICA	69.2523	14.0553	134.85	0.32
310	309	Shell-Thick	SLU-SISMICA	70.2854	13.8522	137.13	0.32
310	309	Shell-Thick	SLU-SISMICA	43.0247	8.3839	137.13	-1.96
310	309	Shell-Thick	SLU-SISMICA	42.0725	8.5082	134.85	-1.96
310	309	Shell-Thick	SLE-RARA	37.7888	7.7922	73.01	0.37
310	309	Shell-Thick	SLE-RARA	38.8963	7.5448	75.66	0.37
310	309	Shell-Thick	SLE-RARA	23.9598	4.5849	75.66	-2.28
310	309	Shell-Thick	SLE-RARA	22.9673	4.7199	73.01	-2.28
310	309	Shell-Thick	SLE-FREQ.	36.7761	7.5906	71.02	0.37
310	309	Shell-Thick	SLE-FREQ.	37.8859	7.3418	73.68	0.37
310	309	Shell-Thick	SLE-FREQ.	23.3461	4.4626	73.68	-2.29
310	309	Shell-Thick	SLE-FREQ.	22.3524	4.5980	71.02	-2.29

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310	309 Shell-Thick	SLE-QP	33.7378	6.9858	65.05	0.37
310	309 Shell-Thick	SLE-QP	34.8548	6.7327	67.74	0.37
310	309 Shell-Thick	SLE-QP	21.5051	4.0957	67.74	-2.32
310	309 Shell-Thick	SLE-QP	20.5075	4.2321	65.05	-2.32
311	310 Shell-Thick	SLU-STATICA	29.7631	6.3798	81.32	-2.53
311	310 Shell-Thick	SLU-STATICA	30.3509	5.5369	84.10	-2.53
311	310 Shell-Thick	SLU-STATICA	13.7369	2.1459	84.10	-5.32
311	310 Shell-Thick	SLU-STATICA	13.2655	2.8751	81.32	-5.32
311	310 Shell-Thick	SLU-SISMICA	41.2737	8.5049	113.71	-1.71
311	310 Shell-Thick	SLU-SISMICA	41.6641	7.9553	115.50	-1.71
311	310 Shell-Thick	SLU-SISMICA	18.6952	3.2362	115.50	-3.50
311	310 Shell-Thick	SLU-SISMICA	18.3630	3.7294	113.71	-3.50
311	310 Shell-Thick	SLE-RARA	22.5233	4.8348	61.52	-1.95
311	310 Shell-Thick	SLE-RARA	22.9767	4.1845	63.67	-1.95
311	310 Shell-Thick	SLE-RARA	10.4026	1.6186	63.67	-4.10
311	310 Shell-Thick	SLE-RARA	10.0394	2.1810	61.52	-4.10
311	310 Shell-Thick	SLE-FREQ.	21.9198	4.7167	59.84	-1.96
311	310 Shell-Thick	SLE-FREQ.	22.3752	4.0631	62.00	-1.96
311	310 Shell-Thick	SLE-FREQ.	10.1357	1.5666	62.00	-4.12
311	310 Shell-Thick	SLE-FREQ.	9.7715	2.1311	59.84	-4.12
311	310 Shell-Thick	SLE-QP	20.1091	4.3623	54.80	-1.99
311	310 Shell-Thick	SLE-QP	20.5706	3.6990	56.99	-1.99
311	310 Shell-Thick	SLE-QP	9.3349	1.4104	56.99	-4.18
311	310 Shell-Thick	SLE-QP	8.9677	1.9816	54.80	-4.18
312	311 Shell-Thick	SLU-STATICA	12.7968	2.9940	66.28	-4.98
312	311 Shell-Thick	SLU-STATICA	12.7371	1.7334	68.47	-4.98
312	311 Shell-Thick	SLU-STATICA	-0.7942	-1.1165	68.47	-7.18
312	311 Shell-Thick	SLU-STATICA	-0.6453	0.0571	66.28	-7.18
312	311 Shell-Thick	SLU-SISMICA	17.7229	3.7240	92.74	-3.31
312	311 Shell-Thick	SLU-SISMICA	17.6501	2.9047	94.11	-3.31
312	311 Shell-Thick	SLU-SISMICA	-1.0716	-1.0488	94.11	-4.68
312	311 Shell-Thick	SLU-SISMICA	-0.9570	-0.2699	92.74	-4.68
312	311 Shell-Thick	SLE-RARA	9.6845	2.2743	50.14	-3.84
312	311 Shell-Thick	SLE-RARA	9.6391	1.3016	51.84	-3.84
312	311 Shell-Thick	SLE-RARA	-0.6016	-0.8550	51.84	-5.54
312	311 Shell-Thick	SLE-RARA	-0.4871	0.0503	50.14	-5.54
312	311 Shell-Thick	SLE-FREQ.	9.4257	2.2277	48.77	-3.86
312	311 Shell-Thick	SLE-FREQ.	9.3812	1.2500	50.47	-3.86
312	311 Shell-Thick	SLE-FREQ.	-0.5865	-0.8487	50.47	-5.57
312	311 Shell-Thick	SLE-FREQ.	-0.4719	0.0606	48.77	-5.57
312	311 Shell-Thick	SLE-QP	8.6495	2.0877	44.66	-3.91
312	311 Shell-Thick	SLE-QP	8.6076	1.0952	46.39	-3.91
312	311 Shell-Thick	SLE-QP	-0.5411	-0.8300	46.39	-5.65
312	311 Shell-Thick	SLE-QP	-0.4265	0.0915	44.66	-5.65
313	312 Shell-Thick	SLU-STATICA	-0.9947	0.1527	51.38	-6.92
313	312 Shell-Thick	SLU-STATICA	-1.5278	-1.4286	53.03	-6.92
313	312 Shell-Thick	SLU-STATICA	-12.0110	-3.6985	53.03	-8.57
313	312 Shell-Thick	SLU-STATICA	-11.4124	-2.1809	51.38	-8.57
313	312 Shell-Thick	SLU-SISMICA	-1.4379	-0.2729	71.94	-4.53
313	312 Shell-Thick	SLU-SISMICA	-1.8280	-1.2932	72.94	-4.53
313	312 Shell-Thick	SLU-SISMICA	-16.3416	-4.4269	72.94	-5.53
313	312 Shell-Thick	SLU-SISMICA	-15.9235	-3.4336	71.94	-5.53
313	312 Shell-Thick	SLE-RARA	-0.7516	0.1253	38.87	-5.34
313	312 Shell-Thick	SLE-RARA	-1.1620	-1.0950	40.15	-5.34
313	312 Shell-Thick	SLE-RARA	-9.0957	-2.8130	40.15	-6.61
313	312 Shell-Thick	SLE-RARA	-8.6344	-1.6422	38.87	-6.61
313	312 Shell-Thick	SLE-FREQ.	-0.7295	0.1382	37.81	-5.36
313	312 Shell-Thick	SLE-FREQ.	-1.1406	-1.0886	39.09	-5.36
313	312 Shell-Thick	SLE-FREQ.	-8.8625	-2.7610	39.09	-6.65
313	312 Shell-Thick	SLE-FREQ.	-8.3998	-1.5845	37.81	-6.65
313	312 Shell-Thick	SLE-QP	-0.6632	0.1766	34.61	-5.44
313	312 Shell-Thick	SLE-QP	-1.0763	-1.0695	35.92	-5.44
313	312 Shell-Thick	SLE-QP	-8.1628	-2.6052	35.92	-6.75
313	312 Shell-Thick	SLE-QP	-7.6959	-1.4115	34.61	-6.75
314	313 Shell-Thick	SLU-STATICA	-11.6535	-2.1077	36.61	-8.37
314	313 Shell-Thick	SLU-STATICA	-12.5139	-3.9205	37.76	-8.37
314	313 Shell-Thick	SLU-STATICA	-19.9791	-5.5770	37.76	-9.52
314	313 Shell-Thick	SLU-STATICA	-19.0737	-3.8080	36.61	-9.52
314	313 Shell-Thick	SLU-SISMICA	-16.2585	-3.4336	51.28	-5.42

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314	313	Shell-Thick	SLU-SISMICA	-16.8525	-4.5960	51.95	-5.42
314	313	Shell-Thick	SLU-SISMICA	-27.1933	-6.8794	51.95	-6.10
314	313	Shell-Thick	SLU-SISMICA	-26.5808	-5.7348	51.28	-6.10
314	313	Shell-Thick	SLE-RARA	-8.8168	-1.5847	27.69	-6.46
314	313	Shell-Thick	SLE-RARA	-9.4801	-2.9838	28.58	-6.46
314	313	Shell-Thick	SLE-RARA	-15.1295	-4.2377	28.58	-7.35
314	313	Shell-Thick	SLE-RARA	-14.4314	-2.8726	27.69	-7.35
314	313	Shell-Thick	SLE-FREQ.	-8.5773	-1.5252	26.93	-6.49
314	313	Shell-Thick	SLE-FREQ.	-9.2428	-2.9319	27.83	-6.49
314	313	Shell-Thick	SLE-FREQ.	-14.7412	-4.1526	27.83	-7.39
314	313	Shell-Thick	SLE-FREQ.	-14.0404	-2.7804	26.93	-7.39
314	313	Shell-Thick	SLE-QP	-7.8587	-1.3467	24.66	-6.60
314	313	Shell-Thick	SLE-QP	-8.5309	-2.7762	25.57	-6.60
314	313	Shell-Thick	SLE-QP	-13.5763	-3.8975	25.57	-7.51
314	313	Shell-Thick	SLE-QP	-12.8672	-2.5040	24.66	-7.51
315	314	Shell-Thick	SLU-STATICA	-19.2222	-3.7580	21.93	-9.39
315	314	Shell-Thick	SLU-STATICA	-20.2887	-5.7186	22.60	-9.39
315	314	Shell-Thick	SLU-STATICA	-24.7582	-6.7254	22.60	-10.07
315	314	Shell-Thick	SLU-STATICA	-23.6656	-4.7902	21.93	-10.07
315	314	Shell-Thick	SLU-SISMICA	-26.7895	-5.7332	30.72	-6.03
315	314	Shell-Thick	SLU-SISMICA	-27.5032	-6.9847	31.11	-6.03
315	314	Shell-Thick	SLU-SISMICA	-33.6963	-8.3664	31.11	-6.42
315	314	Shell-Thick	SLU-SISMICA	-32.9729	-7.1243	30.72	-6.42
315	314	Shell-Thick	SLE-RARA	-14.5437	-2.8334	16.59	-7.25
315	314	Shell-Thick	SLE-RARA	-15.3663	-4.3467	17.11	-7.25
315	314	Shell-Thick	SLE-RARA	-18.7487	-5.1089	17.11	-7.77
315	314	Shell-Thick	SLE-RARA	-17.9059	-3.6153	16.59	-7.77
315	314	Shell-Thick	SLE-FREQ.	-14.1496	-2.7400	16.13	-7.29
315	314	Shell-Thick	SLE-FREQ.	-14.9756	-4.2618	16.66	-7.29
315	314	Shell-Thick	SLE-FREQ.	-18.2675	-5.0040	16.66	-7.82
315	314	Shell-Thick	SLE-FREQ.	-17.4209	-3.5023	16.13	-7.82
315	314	Shell-Thick	SLE-QP	-12.9670	-2.4600	14.77	-7.41
315	314	Shell-Thick	SLE-QP	-13.8036	-4.0070	15.31	-7.41
315	314	Shell-Thick	SLE-QP	-16.8241	-4.6895	15.31	-7.95
315	314	Shell-Thick	SLE-QP	-15.9659	-3.1635	14.77	-7.95
316	315	Shell-Thick	SLU-STATICA	-23.7357	-4.7648	7.30	-10.01
316	315	Shell-Thick	SLU-STATICA	-24.9047	-6.7942	7.53	-10.01
316	315	Shell-Thick	SLU-STATICA	-26.3930	-7.1337	7.53	-10.23
316	315	Shell-Thick	SLU-STATICA	-25.2154	-5.1127	7.30	-10.23
316	315	Shell-Thick	SLU-SISMICA	-33.0722	-7.1229	10.23	-6.39
316	315	Shell-Thick	SLU-SISMICA	-33.8415	-8.4167	10.36	-6.39
316	315	Shell-Thick	SLU-SISMICA	-35.9043	-8.8847	10.36	-6.52
316	315	Shell-Thick	SLU-SISMICA	-35.1315	-7.5944	10.23	-6.52
316	315	Shell-Thick	SLE-RARA	-17.9589	-3.5953	5.52	-7.72
316	315	Shell-Thick	SLE-RARA	-18.8607	-5.1618	5.70	-7.72
316	315	Shell-Thick	SLE-RARA	-19.9870	-5.4188	5.70	-7.90
316	315	Shell-Thick	SLE-RARA	-19.0785	-3.8589	5.52	-7.90
316	315	Shell-Thick	SLE-FREQ.	-17.4724	-3.4818	5.37	-7.77
316	315	Shell-Thick	SLE-FREQ.	-18.3785	-5.0571	5.55	-7.77
316	315	Shell-Thick	SLE-FREQ.	-19.4747	-5.3073	5.55	-7.94
316	315	Shell-Thick	SLE-FREQ.	-18.5617	-3.7386	5.37	-7.94
316	315	Shell-Thick	SLE-QP	-16.0130	-3.1412	4.92	-7.90
316	315	Shell-Thick	SLE-QP	-16.9319	-4.7428	5.10	-7.90
316	315	Shell-Thick	SLE-QP	-17.9376	-4.9726	5.10	-8.07
316	315	Shell-Thick	SLE-QP	-17.0116	-3.3779	4.92	-8.07
317	316	Shell-Thick	SLU-STATICA	-25.2154	-5.1127	-7.30	-10.23
317	316	Shell-Thick	SLU-STATICA	-26.3930	-7.1337	-7.53	-10.23
317	316	Shell-Thick	SLU-STATICA	-24.9047	-6.7942	-7.53	-10.01
317	316	Shell-Thick	SLU-STATICA	-23.7357	-4.7648	-7.30	-10.01
317	316	Shell-Thick	SLU-SISMICA	-35.1315	-7.5944	-10.23	-6.52
317	316	Shell-Thick	SLU-SISMICA	-35.9043	-8.8847	-10.36	-6.52
317	316	Shell-Thick	SLU-SISMICA	-33.8415	-8.4167	-10.36	-6.39
317	316	Shell-Thick	SLU-SISMICA	-33.0722	-7.1229	-10.23	-6.39
317	316	Shell-Thick	SLE-RARA	-19.0785	-3.8589	-5.52	-7.90
317	316	Shell-Thick	SLE-RARA	-19.9870	-5.4188	-5.70	-7.90
317	316	Shell-Thick	SLE-RARA	-18.8607	-5.1618	-5.70	-7.72
317	316	Shell-Thick	SLE-RARA	-17.9589	-3.5953	-5.52	-7.72
317	316	Shell-Thick	SLE-FREQ.	-18.5617	-3.7386	-5.37	-7.94
317	316	Shell-Thick	SLE-FREQ.	-19.4747	-5.3073	-5.55	-7.94

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317	316 Shell-Thick	SLE-FREQ.	-18.3785	-5.0571	-5.55	-7.77
317	316 Shell-Thick	SLE-FREQ.	-17.4724	-3.4818	-5.37	-7.77
317	316 Shell-Thick	SLE-QP	-17.0116	-3.3779	-4.92	-8.07
317	316 Shell-Thick	SLE-QP	-17.9376	-4.9726	-5.10	-8.07
317	316 Shell-Thick	SLE-QP	-16.9319	-4.7428	-5.10	-7.90
317	316 Shell-Thick	SLE-QP	-16.0130	-3.1412	-4.92	-7.90
318	317 Shell-Thick	SLU-STATICA	-23.6656	-4.7902	-21.93	-10.07
318	317 Shell-Thick	SLU-STATICA	-24.7582	-6.7254	-22.60	-10.07
318	317 Shell-Thick	SLU-STATICA	-20.2887	-5.7186	-22.60	-9.39
318	317 Shell-Thick	SLU-STATICA	-19.2222	-3.7580	-21.93	-9.39
318	317 Shell-Thick	SLU-SISMICA	-32.9729	-7.1243	-30.72	-6.42
318	317 Shell-Thick	SLU-SISMICA	-33.6963	-8.3664	-31.11	-6.42
318	317 Shell-Thick	SLU-SISMICA	-27.5032	-6.9847	-31.11	-6.03
318	317 Shell-Thick	SLU-SISMICA	-26.7895	-5.7332	-30.72	-6.03
318	317 Shell-Thick	SLE-RARA	-17.9059	-3.6153	-16.59	-7.77
318	317 Shell-Thick	SLE-RARA	-18.7487	-5.1089	-17.11	-7.77
318	317 Shell-Thick	SLE-RARA	-15.3663	-4.3467	-17.11	-7.25
318	317 Shell-Thick	SLE-RARA	-14.5437	-2.8334	-16.59	-7.25
318	317 Shell-Thick	SLE-FREQ.	-17.4209	-3.5023	-16.13	-7.82
318	317 Shell-Thick	SLE-FREQ.	-18.2675	-5.0040	-16.66	-7.82
318	317 Shell-Thick	SLE-FREQ.	-14.9756	-4.2618	-16.66	-7.29
318	317 Shell-Thick	SLE-FREQ.	-14.1496	-2.7400	-16.13	-7.29
318	317 Shell-Thick	SLE-QP	-15.9659	-3.1635	-14.77	-7.95
318	317 Shell-Thick	SLE-QP	-16.8241	-4.6895	-15.31	-7.95
318	317 Shell-Thick	SLE-QP	-13.8036	-4.0070	-15.31	-7.41
318	317 Shell-Thick	SLE-QP	-12.9670	-2.4600	-14.77	-7.41
319	318 Shell-Thick	SLU-STATICA	-19.0737	-3.8080	-36.61	-9.52
319	318 Shell-Thick	SLU-STATICA	-19.9791	-5.5770	-37.76	-9.52
319	318 Shell-Thick	SLU-STATICA	-12.5139	-3.9205	-37.76	-8.37
319	318 Shell-Thick	SLU-STATICA	-11.6535	-2.1077	-36.61	-8.37
319	318 Shell-Thick	SLU-SISMICA	-26.5808	-5.7348	-51.28	-6.10
319	318 Shell-Thick	SLU-SISMICA	-27.1933	-6.8794	-51.95	-6.10
319	318 Shell-Thick	SLU-SISMICA	-16.8525	-4.5960	-51.95	-5.42
319	318 Shell-Thick	SLU-SISMICA	-16.2585	-3.4336	-51.28	-5.42
319	318 Shell-Thick	SLE-RARA	-14.4314	-2.8726	-27.69	-7.35
319	318 Shell-Thick	SLE-RARA	-15.1295	-4.2377	-28.58	-7.35
319	318 Shell-Thick	SLE-RARA	-9.4801	-2.9838	-28.58	-6.46
319	318 Shell-Thick	SLE-RARA	-8.8168	-1.5847	-27.69	-6.46
319	318 Shell-Thick	SLE-FREQ.	-14.0404	-2.7804	-26.93	-7.39
319	318 Shell-Thick	SLE-FREQ.	-14.7412	-4.1526	-27.83	-7.39
319	318 Shell-Thick	SLE-FREQ.	-9.2428	-2.9319	-27.83	-6.49
319	318 Shell-Thick	SLE-FREQ.	-8.5773	-1.5252	-26.93	-6.49
319	318 Shell-Thick	SLE-QP	-12.8672	-2.5040	-24.66	-7.51
319	318 Shell-Thick	SLE-QP	-13.5763	-3.8975	-25.57	-7.51
319	318 Shell-Thick	SLE-QP	-8.5309	-2.7762	-25.57	-6.60
319	318 Shell-Thick	SLE-QP	-7.8587	-1.3467	-24.66	-6.60
320	319 Shell-Thick	SLU-STATICA	-11.4124	-2.1809	-51.38	-8.57
320	319 Shell-Thick	SLU-STATICA	-12.0110	-3.6985	-53.03	-8.57
320	319 Shell-Thick	SLU-STATICA	-1.5278	-1.4286	-53.03	-6.92
320	319 Shell-Thick	SLU-STATICA	-0.9947	0.1527	-51.38	-6.92
320	319 Shell-Thick	SLU-SISMICA	-15.9235	-3.4336	-71.94	-5.53
320	319 Shell-Thick	SLU-SISMICA	-16.3416	-4.4269	-72.94	-5.53
320	319 Shell-Thick	SLU-SISMICA	-1.8280	-1.2932	-72.94	-4.53
320	319 Shell-Thick	SLU-SISMICA	-1.4379	-0.2729	-71.94	-4.53
320	319 Shell-Thick	SLE-RARA	-8.6344	-1.6422	-38.87	-6.61
320	319 Shell-Thick	SLE-RARA	-9.0957	-2.8130	-40.15	-6.61
320	319 Shell-Thick	SLE-RARA	-1.1620	-1.0950	-40.15	-5.34
320	319 Shell-Thick	SLE-RARA	-0.7516	0.1253	-38.87	-5.34
320	319 Shell-Thick	SLE-FREQ.	-8.3998	-1.5845	-37.81	-6.65
320	319 Shell-Thick	SLE-FREQ.	-8.8625	-2.7610	-39.09	-6.65
320	319 Shell-Thick	SLE-FREQ.	-1.1406	-1.0886	-39.09	-5.36
320	319 Shell-Thick	SLE-FREQ.	-0.7295	0.1382	-37.81	-5.36
320	319 Shell-Thick	SLE-QP	-7.6959	-1.4115	-34.61	-6.75
320	319 Shell-Thick	SLE-QP	-8.1628	-2.6052	-35.92	-6.75
320	319 Shell-Thick	SLE-QP	-1.0763	-1.0695	-35.92	-5.44
320	319 Shell-Thick	SLE-QP	-0.6632	0.1766	-34.61	-5.44
321	320 Shell-Thick	SLU-STATICA	-0.6453	0.0571	-66.28	-7.18
321	320 Shell-Thick	SLU-STATICA	-0.7942	-1.1165	-68.47	-7.18
321	320 Shell-Thick	SLU-STATICA	12.7371	1.7334	-68.47	-4.98

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321	320	Shell-Thick	SLU-STATICA	12.7968	2.9940	-66.28	-4.98
321	320	Shell-Thick	SLU-SISMICA	-0.9570	-0.2699	-92.74	-4.68
321	320	Shell-Thick	SLU-SISMICA	-1.0716	-1.0488	-94.11	-4.68
321	320	Shell-Thick	SLU-SISMICA	17.6501	2.9047	-94.11	-3.31
321	320	Shell-Thick	SLU-SISMICA	17.7229	3.7240	-92.74	-3.31
321	320	Shell-Thick	SLE-RARA	-0.4871	0.0503	-50.14	-5.54
321	320	Shell-Thick	SLE-RARA	-0.6016	-0.8550	-51.84	-5.54
321	320	Shell-Thick	SLE-RARA	9.6391	1.3016	-51.84	-3.84
321	320	Shell-Thick	SLE-RARA	9.6845	2.2743	-50.14	-3.84
321	320	Shell-Thick	SLE-FREQ.	-0.4719	0.0606	-48.77	-5.57
321	320	Shell-Thick	SLE-FREQ.	-0.5865	-0.8487	-50.47	-5.57
321	320	Shell-Thick	SLE-FREQ.	9.3812	1.2500	-50.47	-3.86
321	320	Shell-Thick	SLE-FREQ.	9.4257	2.2277	-48.77	-3.86
321	320	Shell-Thick	SLE-QP	-0.4265	0.0915	-44.66	-5.65
321	320	Shell-Thick	SLE-QP	-0.5411	-0.8300	-46.39	-5.65
321	320	Shell-Thick	SLE-QP	8.6076	1.0952	-46.39	-3.91
321	320	Shell-Thick	SLE-QP	8.6495	2.0877	-44.66	-3.91
322	321	Shell-Thick	SLU-STATICA	13.2655	2.8751	-81.32	-5.32
322	321	Shell-Thick	SLU-STATICA	13.7369	2.1459	-84.10	-5.32
322	321	Shell-Thick	SLU-STATICA	30.3509	5.5369	-84.10	-2.53
322	321	Shell-Thick	SLU-STATICA	29.7632	6.3798	-81.32	-2.53
322	321	Shell-Thick	SLU-SISMICA	18.3630	3.7294	-113.71	-3.50
322	321	Shell-Thick	SLU-SISMICA	18.6952	3.2362	-115.50	-3.50
322	321	Shell-Thick	SLU-SISMICA	41.6641	7.9553	-115.50	-1.71
322	321	Shell-Thick	SLU-SISMICA	41.2738	8.5049	-113.71	-1.71
322	321	Shell-Thick	SLE-RARA	10.0394	2.1810	-61.52	-4.10
322	321	Shell-Thick	SLE-RARA	10.4026	1.6186	-63.67	-4.10
322	321	Shell-Thick	SLE-RARA	22.9767	4.1845	-63.67	-1.95
322	321	Shell-Thick	SLE-RARA	22.5233	4.8348	-61.52	-1.95
322	321	Shell-Thick	SLE-FREQ.	9.7715	2.1311	-59.84	-4.12
322	321	Shell-Thick	SLE-FREQ.	10.1357	1.5666	-62.00	-4.12
322	321	Shell-Thick	SLE-FREQ.	22.3752	4.0631	-62.00	-1.96
322	321	Shell-Thick	SLE-FREQ.	21.9198	4.7167	-59.84	-1.96
322	321	Shell-Thick	SLE-QP	8.9677	1.9816	-54.80	-4.18
322	321	Shell-Thick	SLE-QP	9.3349	1.4104	-56.99	-4.18
322	321	Shell-Thick	SLE-QP	20.5706	3.6990	-56.99	-1.99
322	321	Shell-Thick	SLE-QP	20.1091	4.3623	-54.80	-1.99
323	322	Shell-Thick	SLU-STATICA	30.3495	6.2334	-96.51	-2.95
323	322	Shell-Thick	SLU-STATICA	31.6387	6.0581	-99.93	-2.95
323	322	Shell-Thick	SLU-STATICA	51.3734	9.9707	-99.93	0.48
323	322	Shell-Thick	SLU-STATICA	49.9357	10.2912	-96.51	0.48
323	322	Shell-Thick	SLU-SISMICA	42.0725	8.5082	-134.85	-1.96
323	322	Shell-Thick	SLU-SISMICA	43.0247	8.3839	-137.13	-1.96
323	322	Shell-Thick	SLU-SISMICA	70.2854	13.8522	-137.13	0.32
323	322	Shell-Thick	SLU-SISMICA	69.2523	14.0553	-134.85	0.32
323	322	Shell-Thick	SLE-RARA	22.9673	4.7199	-73.01	-2.28
323	322	Shell-Thick	SLE-RARA	23.9598	4.5849	-75.66	-2.28
323	322	Shell-Thick	SLE-RARA	38.8963	7.5448	-75.66	0.37
323	322	Shell-Thick	SLE-RARA	37.7888	7.7922	-73.01	0.37
323	322	Shell-Thick	SLE-FREQ.	22.3524	4.5980	-71.02	-2.29
323	322	Shell-Thick	SLE-FREQ.	23.3461	4.4626	-73.68	-2.29
323	322	Shell-Thick	SLE-FREQ.	37.8859	7.3418	-73.68	0.37
323	322	Shell-Thick	SLE-FREQ.	36.7761	7.5906	-71.02	0.37
323	322	Shell-Thick	SLE-QP	20.5075	4.2321	-65.05	-2.32
323	322	Shell-Thick	SLE-QP	21.5051	4.0957	-67.74	-2.32
323	322	Shell-Thick	SLE-QP	34.8548	6.7327	-67.74	0.37
323	322	Shell-Thick	SLE-QP	33.7378	6.9858	-65.05	0.37
324	323	Shell-Thick	SLU-STATICA	51.7071	10.6179	99.63	0.43
324	323	Shell-Thick	SLU-STATICA	53.0161	10.3267	102.80	0.43
324	323	Shell-Thick	SLU-STATICA	32.6938	6.2574	102.80	-2.74
324	323	Shell-Thick	SLU-STATICA	31.5085	6.4280	99.63	-2.74
324	323	Shell-Thick	SLU-SISMICA	70.5116	14.2750	136.91	0.27
324	323	Shell-Thick	SLU-SISMICA	71.3929	14.1059	138.89	0.27
324	323	Shell-Thick	SLU-SISMICA	43.7636	8.5198	138.89	-1.71
324	323	Shell-Thick	SLU-SISMICA	42.9341	8.6391	136.91	-1.71
324	323	Shell-Thick	SLE-RARA	39.1535	8.0442	75.42	0.33
324	323	Shell-Thick	SLE-RARA	40.1630	7.8191	77.87	0.33
324	323	Shell-Thick	SLE-RARA	24.7729	4.7385	77.87	-2.12
324	323	Shell-Thick	SLE-RARA	23.8594	4.8699	75.42	-2.12



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324	323	Shell-Thick	SLE-FREQ.	38.1442	7.8436	73.44	0.34
324	323	Shell-Thick	SLE-FREQ.	39.1578	7.6167	75.91	0.34
324	323	Shell-Thick	SLE-FREQ.	24.1616	4.6168	75.91	-2.13
324	323	Shell-Thick	SLE-FREQ.	23.2455	4.7486	73.44	-2.13
324	323	Shell-Thick	SLE-QP	35.1161	7.2420	67.50	0.34
324	323	Shell-Thick	SLE-QP	36.1421	7.0097	70.01	0.34
324	323	Shell-Thick	SLE-QP	22.3278	4.2516	70.01	-2.17
324	323	Shell-Thick	SLE-QP	21.4035	4.3847	67.50	-2.17
325	324	Shell-Thick	SLU-STATICA	30.7063	6.5005	83.86	-2.37
325	324	Shell-Thick	SLU-STATICA	31.2025	5.7262	86.40	-2.37
325	324	Shell-Thick	SLU-STATICA	14.1148	2.1598	86.40	-4.91
325	324	Shell-Thick	SLU-STATICA	13.7134	2.8419	83.86	-4.91
325	324	Shell-Thick	SLU-SISMICA	41.8905	8.5515	115.34	-1.52
325	324	Shell-Thick	SLU-SISMICA	42.1732	8.0807	116.84	-1.52
325	324	Shell-Thick	SLU-SISMICA	18.9186	3.2067	116.84	-3.02
325	324	Shell-Thick	SLU-SISMICA	18.6697	3.6452	115.34	-3.02
325	324	Shell-Thick	SLE-RARA	23.2510	4.9287	63.48	-1.83
325	324	Shell-Thick	SLE-RARA	23.6347	4.3304	65.44	-1.83
325	324	Shell-Thick	SLE-RARA	10.6946	1.6302	65.44	-3.79
325	324	Shell-Thick	SLE-RARA	10.3847	2.1566	63.48	-3.79
325	324	Shell-Thick	SLE-FREQ.	22.6510	4.8120	61.81	-1.84
325	324	Shell-Thick	SLE-FREQ.	23.0380	4.2097	63.79	-1.84
325	324	Shell-Thick	SLE-FREQ.	10.4299	1.5794	63.79	-3.81
325	324	Shell-Thick	SLE-FREQ.	10.1180	2.1087	61.81	-3.81
325	324	Shell-Thick	SLE-QP	20.8511	4.4622	56.81	-1.87
325	324	Shell-Thick	SLE-QP	21.2478	3.8476	58.82	-1.87
325	324	Shell-Thick	SLE-QP	9.6358	1.4272	58.82	-3.89
325	324	Shell-Thick	SLE-QP	9.3180	1.9649	56.81	-3.89
326	325	Shell-Thick	SLU-STATICA	13.0969	2.9050	68.29	-4.61
326	325	Shell-Thick	SLU-STATICA	13.0008	1.7507	70.25	-4.61
326	325	Shell-Thick	SLU-STATICA	-0.9005	-1.2707	70.25	-6.58
326	325	Shell-Thick	SLU-STATICA	-0.7335	-0.1854	68.29	-6.58
326	325	Shell-Thick	SLU-SISMICA	17.8636	3.5765	93.99	-2.88
326	325	Shell-Thick	SLU-SISMICA	17.7480	2.8801	95.10	-2.88
326	325	Shell-Thick	SLU-SISMICA	-1.1867	-1.2257	95.10	-3.98
326	325	Shell-Thick	SLU-SISMICA	-1.0508	-0.5485	93.99	-3.98
326	325	Shell-Thick	SLE-RARA	9.9171	2.2075	51.69	-3.56
326	325	Shell-Thick	SLE-RARA	9.8441	1.3157	53.21	-3.56
326	325	Shell-Thick	SLE-RARA	-0.6827	-0.9725	53.21	-5.08
326	325	Shell-Thick	SLE-RARA	-0.5544	-0.1344	51.69	-5.08
326	325	Shell-Thick	SLE-FREQ.	9.6613	2.1634	50.33	-3.58
326	325	Shell-Thick	SLE-FREQ.	9.5897	1.2653	51.86	-3.58
326	325	Shell-Thick	SLE-FREQ.	-0.6665	-0.9643	51.86	-5.12
326	325	Shell-Thick	SLE-FREQ.	-0.5384	-0.1211	50.33	-5.12
326	325	Shell-Thick	SLE-QP	8.8940	2.0312	46.25	-3.65
326	325	Shell-Thick	SLE-QP	8.8264	1.1142	47.82	-3.65
326	325	Shell-Thick	SLE-QP	-0.6178	-0.9399	47.82	-5.22
326	325	Shell-Thick	SLE-QP	-0.4904	-0.0811	46.25	-5.22
327	326	Shell-Thick	SLU-STATICA	-1.1763	-0.1299	52.90	-6.35
327	326	Shell-Thick	SLU-STATICA	-1.6846	-1.5717	54.35	-6.35
327	326	Shell-Thick	SLU-STATICA	-12.4445	-4.0003	54.35	-7.81
327	326	Shell-Thick	SLU-STATICA	-11.8848	-2.6084	52.90	-7.81
327	326	Shell-Thick	SLU-SISMICA	-1.6347	-0.5967	72.86	-3.88
327	326	Shell-Thick	SLU-SISMICA	-1.9957	-1.4561	73.63	-3.88
327	326	Shell-Thick	SLU-SISMICA	-16.6629	-4.7450	73.63	-4.65
327	326	Shell-Thick	SLU-SISMICA	-16.2896	-3.8971	72.86	-4.65
327	326	Shell-Thick	SLE-RARA	-0.8901	-0.0899	40.04	-4.90
327	326	Shell-Thick	SLE-RARA	-1.2817	-1.2040	41.17	-4.90
327	326	Shell-Thick	SLE-RARA	-9.4294	-3.0434	41.17	-6.03
327	326	Shell-Thick	SLE-RARA	-8.9977	-1.9683	40.04	-6.03
327	326	Shell-Thick	SLE-FREQ.	-0.8661	-0.0736	38.98	-4.94
327	326	Shell-Thick	SLE-FREQ.	-1.2587	-1.1959	40.12	-4.94
327	326	Shell-Thick	SLE-FREQ.	-9.1966	-2.9887	40.12	-6.08
327	326	Shell-Thick	SLE-FREQ.	-8.7630	-1.9062	38.98	-6.08
327	326	Shell-Thick	SLE-QP	-0.7942	-0.0246	35.82	-5.04
327	326	Shell-Thick	SLE-QP	-1.1898	-1.1715	36.99	-5.04
327	326	Shell-Thick	SLE-QP	-8.4981	-2.8243	36.99	-6.21
327	326	Shell-Thick	SLE-QP	-8.0588	-1.7199	35.82	-6.21
328	327	Shell-Thick	SLU-STATICA	-12.1796	-2.5622	37.66	-7.64

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328	327	Shell-Thick	SLU-STATICA	-12.9594	-4.2085	38.66	-7.64
328	327	Shell-Thick	SLU-STATICA	-20.6157	-5.9875	38.66	-8.64
328	327	Shell-Thick	SLU-STATICA	-19.8013	-4.3748	37.66	-8.64
328	327	Shell-Thick	SLU-SISMICA	-16.6830	-3.9274	51.90	-4.58
328	327	Shell-Thick	SLU-SISMICA	-17.1827	-4.8973	52.41	-4.58
328	327	Shell-Thick	SLU-SISMICA	-27.6251	-7.2952	52.41	-5.09
328	327	Shell-Thick	SLU-SISMICA	-27.1193	-6.3308	51.90	-5.09
328	327	Shell-Thick	SLE-RARA	-9.2212	-1.9314	28.51	-5.90
328	327	Shell-Thick	SLE-RARA	-9.8230	-3.2037	29.28	-5.90
328	327	Shell-Thick	SLE-RARA	-15.6204	-4.5514	29.28	-6.68
328	327	Shell-Thick	SLE-RARA	-14.9915	-3.3053	28.51	-6.68
328	327	Shell-Thick	SLE-FREQ.	-8.9810	-1.8671	27.76	-5.95
328	327	Shell-Thick	SLE-FREQ.	-9.5861	-3.1492	28.54	-5.95
328	327	Shell-Thick	SLE-FREQ.	-15.2340	-4.4631	28.54	-6.73
328	327	Shell-Thick	SLE-FREQ.	-14.6011	-3.2079	27.76	-6.73
328	327	Shell-Thick	SLE-QP	-8.2604	-1.6744	25.50	-6.07
328	327	Shell-Thick	SLE-QP	-8.8755	-2.9857	26.31	-6.07
328	327	Shell-Thick	SLE-QP	-14.0748	-4.1981	26.31	-6.88
328	327	Shell-Thick	SLE-QP	-13.4300	-2.9158	25.50	-6.88
329	328	Shell-Thick	SLU-STATICA	-19.9773	-4.3412	22.55	-8.53
329	328	Shell-Thick	SLU-STATICA	-20.9203	-6.1172	23.13	-8.53
329	328	Shell-Thick	SLU-STATICA	-25.5021	-7.2059	23.13	-9.12
329	328	Shell-Thick	SLU-STATICA	-24.5390	-5.4494	22.55	-9.12
329	328	Shell-Thick	SLU-SISMICA	-27.3569	-6.3476	31.08	-5.04
329	328	Shell-Thick	SLU-SISMICA	-27.9258	-7.3861	31.37	-5.04
329	328	Shell-Thick	SLU-SISMICA	-34.1778	-8.8528	31.37	-5.32
329	328	Shell-Thick	SLU-SISMICA	-33.6055	-7.8173	31.08	-5.32
329	328	Shell-Thick	SLE-RARA	-15.1248	-3.2786	17.07	-6.59
329	328	Shell-Thick	SLE-RARA	-15.8534	-4.6514	17.52	-6.59
329	328	Shell-Thick	SLE-RARA	-19.3227	-5.4762	17.52	-7.05
329	328	Shell-Thick	SLE-RARA	-18.5785	-4.1186	17.07	-7.05
329	328	Shell-Thick	SLE-FREQ.	-14.7311	-3.1798	16.62	-6.64
329	328	Shell-Thick	SLE-FREQ.	-15.4648	-4.5633	17.07	-6.64
329	328	Shell-Thick	SLE-FREQ.	-18.8446	-5.3675	17.07	-7.10
329	328	Shell-Thick	SLE-FREQ.	-18.0948	-3.9996	16.62	-7.10
329	328	Shell-Thick	SLE-QP	-13.5499	-2.8835	15.26	-6.79
329	328	Shell-Thick	SLE-QP	-14.2991	-4.2993	15.74	-6.79
329	328	Shell-Thick	SLE-QP	-17.4101	-5.0414	15.74	-7.27
329	328	Shell-Thick	SLE-QP	-16.6437	-3.6424	15.26	-7.27
330	329	Shell-Thick	SLU-STATICA	-24.6202	-5.4317	7.51	-9.06
330	329	Shell-Thick	SLU-STATICA	-25.6421	-7.2679	7.70	-9.06
330	329	Shell-Thick	SLU-STATICA	-27.1672	-7.6329	7.70	-9.25
330	329	Shell-Thick	SLU-STATICA	-26.1389	-5.8030	7.51	-9.25
330	329	Shell-Thick	SLU-SISMICA	-33.7162	-7.8245	10.35	-5.30
330	329	Shell-Thick	SLU-SISMICA	-34.3135	-8.8949	10.44	-5.30
330	329	Shell-Thick	SLU-SISMICA	-36.3948	-9.3837	10.44	-5.39
330	329	Shell-Thick	SLU-SISMICA	-35.7970	-8.3138	10.35	-5.39
330	329	Shell-Thick	SLE-RARA	-18.6400	-4.1046	5.68	-7.00
330	329	Shell-Thick	SLE-RARA	-19.4298	-5.5239	5.83	-7.00
330	329	Shell-Thick	SLE-RARA	-20.5847	-5.8005	5.83	-7.15
330	329	Shell-Thick	SLE-RARA	-19.7897	-4.3861	5.68	-7.15
330	329	Shell-Thick	SLE-FREQ.	-18.1547	-3.9848	5.53	-7.06
330	329	Shell-Thick	SLE-FREQ.	-18.9508	-5.4154	5.68	-7.06
330	329	Shell-Thick	SLE-FREQ.	-20.0758	-5.6852	5.68	-7.21
330	329	Shell-Thick	SLE-FREQ.	-19.2745	-4.2596	5.53	-7.21
330	329	Shell-Thick	SLE-QP	-16.6989	-3.6256	5.08	-7.22
330	329	Shell-Thick	SLE-QP	-17.5135	-5.0899	5.24	-7.22
330	329	Shell-Thick	SLE-QP	-18.5491	-5.3392	5.24	-7.38
330	329	Shell-Thick	SLE-QP	-17.7288	-3.8803	5.08	-7.38
331	330	Shell-Thick	SLU-STATICA	-26.1389	-5.8030	-7.51	-9.25
331	330	Shell-Thick	SLU-STATICA	-27.1672	-7.6329	-7.70	-9.25
331	330	Shell-Thick	SLU-STATICA	-25.6421	-7.2679	-7.70	-9.06
331	330	Shell-Thick	SLU-STATICA	-24.6202	-5.4317	-7.51	-9.06
331	330	Shell-Thick	SLU-SISMICA	-35.7970	-8.3138	-10.35	-5.39
331	330	Shell-Thick	SLU-SISMICA	-36.3948	-9.3837	-10.44	-5.39
331	330	Shell-Thick	SLU-SISMICA	-34.3135	-8.8949	-10.44	-5.30
331	330	Shell-Thick	SLU-SISMICA	-33.7162	-7.8245	-10.35	-5.30
331	330	Shell-Thick	SLE-RARA	-19.7897	-4.3861	-5.68	-7.15
331	330	Shell-Thick	SLE-RARA	-20.5847	-5.8005	-5.83	-7.15



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331	330	Shell-Thick	SLE-RARA	-19.4298	-5.5239	-5.83	-7.00
331	330	Shell-Thick	SLE-RARA	-18.6400	-4.1046	-5.68	-7.00
331	330	Shell-Thick	SLE-FREQ.	-19.2745	-4.2596	-5.53	-7.21
331	330	Shell-Thick	SLE-FREQ.	-20.0758	-5.6852	-5.68	-7.21
331	330	Shell-Thick	SLE-FREQ.	-18.9508	-5.4154	-5.68	-7.06
331	330	Shell-Thick	SLE-FREQ.	-18.1547	-3.9848	-5.53	-7.06
331	330	Shell-Thick	SLE-QP	-17.7288	-3.8803	-5.08	-7.38
331	330	Shell-Thick	SLE-QP	-18.5491	-5.3392	-5.24	-7.38
331	330	Shell-Thick	SLE-QP	-17.5135	-5.0899	-5.24	-7.22
331	330	Shell-Thick	SLE-QP	-16.6989	-3.6256	-5.08	-7.22
332	331	Shell-Thick	SLU-STATICA	-24.5390	-5.4494	-22.55	-9.12
332	331	Shell-Thick	SLU-STATICA	-25.5021	-7.2059	-23.13	-9.12
332	331	Shell-Thick	SLU-STATICA	-20.9203	-6.1172	-23.13	-8.53
332	331	Shell-Thick	SLU-STATICA	-19.9773	-4.3412	-22.55	-8.53
332	331	Shell-Thick	SLU-SISMICA	-33.6055	-7.8173	-31.08	-5.32
332	331	Shell-Thick	SLU-SISMICA	-34.1778	-8.8528	-31.37	-5.32
332	331	Shell-Thick	SLU-SISMICA	-27.9258	-7.3861	-31.37	-5.04
332	331	Shell-Thick	SLU-SISMICA	-27.3569	-6.3476	-31.08	-5.04
332	331	Shell-Thick	SLE-RARA	-18.5785	-4.1186	-17.07	-7.05
332	331	Shell-Thick	SLE-RARA	-19.3227	-5.4762	-17.52	-7.05
332	331	Shell-Thick	SLE-RARA	-15.8534	-4.6514	-17.52	-6.59
332	331	Shell-Thick	SLE-RARA	-15.1248	-3.2786	-17.07	-6.59
332	331	Shell-Thick	SLE-FREQ.	-18.0948	-3.9996	-16.62	-7.10
332	331	Shell-Thick	SLE-FREQ.	-18.8446	-5.3675	-17.07	-7.10
332	331	Shell-Thick	SLE-FREQ.	-15.4648	-4.5633	-17.07	-6.64
332	331	Shell-Thick	SLE-FREQ.	-14.7311	-3.1798	-16.62	-6.64
332	331	Shell-Thick	SLE-QP	-16.6437	-3.6424	-15.26	-7.27
332	331	Shell-Thick	SLE-QP	-17.4101	-5.0414	-15.74	-7.27
332	331	Shell-Thick	SLE-QP	-14.2991	-4.2993	-15.74	-6.79
332	331	Shell-Thick	SLE-QP	-13.5499	-2.8835	-15.26	-6.79
333	332	Shell-Thick	SLU-STATICA	-19.8013	-4.3748	-37.66	-8.64
333	332	Shell-Thick	SLU-STATICA	-20.6157	-5.9875	-38.66	-8.64
333	332	Shell-Thick	SLU-STATICA	-12.9594	-4.2085	-38.66	-7.64
333	332	Shell-Thick	SLU-STATICA	-12.1796	-2.5622	-37.66	-7.64
333	332	Shell-Thick	SLU-SISMICA	-27.1193	-6.3308	-51.90	-5.09
333	332	Shell-Thick	SLU-SISMICA	-27.6251	-7.2952	-52.41	-5.09
333	332	Shell-Thick	SLU-SISMICA	-17.1827	-4.8973	-52.41	-4.58
333	332	Shell-Thick	SLU-SISMICA	-16.6830	-3.9274	-51.90	-4.58
333	332	Shell-Thick	SLE-RARA	-14.9915	-3.3053	-28.51	-6.68
333	332	Shell-Thick	SLE-RARA	-15.6204	-4.5514	-29.28	-6.68
333	332	Shell-Thick	SLE-RARA	-9.8230	-3.2037	-29.28	-5.90
333	332	Shell-Thick	SLE-RARA	-9.2212	-1.9314	-28.51	-5.90
333	332	Shell-Thick	SLE-FREQ.	-14.6011	-3.2079	-27.76	-6.73
333	332	Shell-Thick	SLE-FREQ.	-15.2340	-4.4631	-28.54	-6.73
333	332	Shell-Thick	SLE-FREQ.	-9.5861	-3.1492	-28.54	-5.95
333	332	Shell-Thick	SLE-FREQ.	-8.9810	-1.8671	-27.76	-5.95
333	332	Shell-Thick	SLE-QP	-13.4300	-2.9158	-25.50	-6.88
333	332	Shell-Thick	SLE-QP	-14.0748	-4.1981	-26.31	-6.88
333	332	Shell-Thick	SLE-QP	-8.8755	-2.9857	-26.31	-6.07
333	332	Shell-Thick	SLE-QP	-8.2604	-1.6744	-25.50	-6.07
334	333	Shell-Thick	SLU-STATICA	-11.8848	-2.6084	-52.90	-7.81
334	333	Shell-Thick	SLU-STATICA	-12.4445	-4.0003	-54.35	-7.81
334	333	Shell-Thick	SLU-STATICA	-1.6846	-1.5717	-54.35	-6.35
334	333	Shell-Thick	SLU-STATICA	-1.1763	-0.1299	-52.90	-6.35
334	333	Shell-Thick	SLU-SISMICA	-16.2896	-3.8971	-72.86	-4.65
334	333	Shell-Thick	SLU-SISMICA	-16.6629	-4.7450	-73.63	-4.65
334	333	Shell-Thick	SLU-SISMICA	-1.9957	-1.4561	-73.63	-3.88
334	333	Shell-Thick	SLU-SISMICA	-1.6347	-0.5967	-72.86	-3.88
334	333	Shell-Thick	SLE-RARA	-8.9977	-1.9683	-40.04	-6.03
334	333	Shell-Thick	SLE-RARA	-9.4294	-3.0434	-41.17	-6.03
334	333	Shell-Thick	SLE-RARA	-1.2817	-1.2040	-41.17	-4.90
334	333	Shell-Thick	SLE-RARA	-0.8901	-0.0899	-40.04	-4.90
334	333	Shell-Thick	SLE-FREQ.	-8.7630	-1.9062	-38.98	-6.08
334	333	Shell-Thick	SLE-FREQ.	-9.1966	-2.9887	-40.12	-6.08
334	333	Shell-Thick	SLE-FREQ.	-1.2587	-1.1959	-40.12	-4.94
334	333	Shell-Thick	SLE-FREQ.	-0.8661	-0.0736	-38.98	-4.94
334	333	Shell-Thick	SLE-QP	-8.0588	-1.7199	-35.82	-6.21
334	333	Shell-Thick	SLE-QP	-8.4981	-2.8243	-36.99	-6.21
334	333	Shell-Thick	SLE-QP	-1.1898	-1.1715	-36.99	-5.04

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334	333	Shell-Thick	SLE-QP	-0.7942	-0.0246	-35.82	-5.04
335	334	Shell-Thick	SLU-STATICA	-0.7335	-0.1854	-68.29	-6.58
335	334	Shell-Thick	SLU-STATICA	-0.9005	-1.2707	-70.25	-6.58
335	334	Shell-Thick	SLU-STATICA	13.0008	1.7507	-70.25	-4.61
335	334	Shell-Thick	SLU-STATICA	13.0969	2.9050	-68.29	-4.61
335	334	Shell-Thick	SLU-SISMICA	-1.0508	-0.5485	-93.99	-3.98
335	334	Shell-Thick	SLU-SISMICA	-1.1867	-1.2257	-95.10	-3.98
335	334	Shell-Thick	SLU-SISMICA	17.7480	2.8801	-95.10	-2.88
335	334	Shell-Thick	SLU-SISMICA	17.8636	3.5765	-93.99	-2.88
335	334	Shell-Thick	SLE-RARA	-0.5544	-0.1344	-51.69	-5.08
335	334	Shell-Thick	SLE-RARA	-0.6827	-0.9725	-53.21	-5.08
335	334	Shell-Thick	SLE-RARA	9.8441	1.3157	-53.21	-3.56
335	334	Shell-Thick	SLE-RARA	9.9171	2.2075	-51.69	-3.56
335	334	Shell-Thick	SLE-FREQ.	-0.5384	-0.1211	-50.33	-5.12
335	334	Shell-Thick	SLE-FREQ.	-0.6665	-0.9643	-51.86	-5.12
335	334	Shell-Thick	SLE-FREQ.	9.5897	1.2653	-51.86	-3.58
335	334	Shell-Thick	SLE-FREQ.	9.6614	2.1634	-50.33	-3.58
335	334	Shell-Thick	SLE-QP	-0.4904	-0.0811	-46.25	-5.22
335	334	Shell-Thick	SLE-QP	-0.6178	-0.9399	-47.82	-5.22
335	334	Shell-Thick	SLE-QP	8.8264	1.1142	-47.82	-3.65
335	334	Shell-Thick	SLE-QP	8.8940	2.0312	-46.25	-3.65
336	335	Shell-Thick	SLU-STATICA	13.7134	2.8419	-83.86	-4.91
336	335	Shell-Thick	SLU-STATICA	14.1148	2.1598	-86.40	-4.91
336	335	Shell-Thick	SLU-STATICA	31.2025	5.7262	-86.40	-2.37
336	335	Shell-Thick	SLU-STATICA	30.7063	6.5005	-83.86	-2.37
336	335	Shell-Thick	SLU-SISMICA	18.6697	3.6452	-115.34	-3.02
336	335	Shell-Thick	SLU-SISMICA	18.9186	3.2067	-116.84	-3.02
336	335	Shell-Thick	SLU-SISMICA	42.1732	8.0807	-116.84	-1.52
336	335	Shell-Thick	SLU-SISMICA	41.8905	8.5515	-115.34	-1.52
336	335	Shell-Thick	SLE-RARA	10.3847	2.1566	-63.48	-3.79
336	335	Shell-Thick	SLE-RARA	10.6946	1.6302	-65.44	-3.79
336	335	Shell-Thick	SLE-RARA	23.6347	4.3304	-65.44	-1.83
336	335	Shell-Thick	SLE-RARA	23.2510	4.9287	-63.48	-1.83
336	335	Shell-Thick	SLE-FREQ.	10.1180	2.1087	-61.81	-3.81
336	335	Shell-Thick	SLE-FREQ.	10.4299	1.5794	-63.79	-3.81
336	335	Shell-Thick	SLE-FREQ.	23.0380	4.2097	-63.79	-1.84
336	335	Shell-Thick	SLE-FREQ.	22.6510	4.8120	-61.81	-1.84
336	335	Shell-Thick	SLE-QP	9.3180	1.9649	-56.81	-3.89
336	335	Shell-Thick	SLE-QP	9.6358	1.4272	-58.82	-3.89
336	335	Shell-Thick	SLE-QP	21.2478	3.8476	-58.82	-1.87
336	335	Shell-Thick	SLE-QP	20.8511	4.4622	-56.81	-1.87
337	336	Shell-Thick	SLU-STATICA	31.5085	6.4280	-99.63	-2.74
337	336	Shell-Thick	SLU-STATICA	32.6938	6.2574	-102.80	-2.74
337	336	Shell-Thick	SLU-STATICA	53.0161	10.3267	-102.80	0.43
337	336	Shell-Thick	SLU-STATICA	51.7071	10.6179	-99.63	0.43
337	336	Shell-Thick	SLU-SISMICA	42.9341	8.6391	-136.91	-1.71
337	336	Shell-Thick	SLU-SISMICA	43.7636	8.5198	-138.89	-1.71
337	336	Shell-Thick	SLU-SISMICA	71.3929	14.1059	-138.89	0.27
337	336	Shell-Thick	SLU-SISMICA	70.5116	14.2750	-136.91	0.27
337	336	Shell-Thick	SLE-RARA	23.8594	4.8699	-75.42	-2.12
337	336	Shell-Thick	SLE-RARA	24.7729	4.7385	-77.87	-2.12
337	336	Shell-Thick	SLE-RARA	40.1630	7.8191	-77.87	0.33
337	336	Shell-Thick	SLE-RARA	39.1535	8.0442	-75.42	0.33
337	336	Shell-Thick	SLE-FREQ.	23.2455	4.7486	-73.44	-2.13
337	336	Shell-Thick	SLE-FREQ.	24.1616	4.6168	-75.91	-2.13
337	336	Shell-Thick	SLE-FREQ.	39.1578	7.6167	-75.91	0.34
337	336	Shell-Thick	SLE-FREQ.	38.1442	7.8436	-73.44	0.34
337	336	Shell-Thick	SLE-QP	21.4035	4.3847	-67.50	-2.17
337	336	Shell-Thick	SLE-QP	22.3278	4.2516	-70.01	-2.17
337	336	Shell-Thick	SLE-QP	36.1421	7.0097	-70.01	0.34
337	336	Shell-Thick	SLE-QP	35.1161	7.2420	-67.50	0.34
338	337	Shell-Thick	SLU-STATICA	53.3247	10.9045	102.52	0.37
338	337	Shell-Thick	SLU-STATICA	54.4459	10.6496	105.36	0.37
338	337	Shell-Thick	SLU-STATICA	33.5945	6.4211	105.36	-2.47
338	337	Shell-Thick	SLU-STATICA	32.5664	6.5857	102.52	-2.47
338	337	Shell-Thick	SLU-SISMICA	71.5898	14.4478	138.70	0.20
338	337	Shell-Thick	SLU-SISMICA	72.2502	14.3202	140.30	0.20
338	337	Shell-Thick	SLU-SISMICA	44.3194	8.6102	140.30	-1.40
338	337	Shell-Thick	SLU-SISMICA	43.6757	8.7225	138.70	-1.40

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338	337 Shell-Thick	SLE-RARA	40.4012	8.2656	77.65	0.29
338	337 Shell-Thick	SLE-RARA	41.2677	8.0682	79.85	0.29
338	337 Shell-Thick	SLE-RARA	25.4685	4.8651	79.85	-1.91
338	337 Shell-Thick	SLE-RARA	24.6747	4.9920	77.65	-1.91
338	337 Shell-Thick	SLE-FREQ.	39.3973	8.0666	75.68	0.29
338	337 Shell-Thick	SLE-FREQ.	40.2704	7.8669	77.90	0.29
338	337 Shell-Thick	SLE-FREQ.	24.8618	4.7446	77.90	-1.93
338	337 Shell-Thick	SLE-FREQ.	24.0631	4.8720	75.68	-1.93
338	337 Shell-Thick	SLE-QP	36.3856	7.4696	69.79	0.30
338	337 Shell-Thick	SLE-QP	37.2786	7.2632	72.07	0.30
338	337 Shell-Thick	SLE-QP	23.0414	4.3830	72.07	-1.98
338	337 Shell-Thick	SLE-QP	22.2283	4.5117	69.79	-1.98
339	338 Shell-Thick	SLU-STATICA	31.5212	6.5721	86.18	-2.16
339	338 Shell-Thick	SLU-STATICA	31.8892	5.8847	88.39	-2.16
339	338 Shell-Thick	SLU-STATICA	14.3836	2.1330	88.39	-4.38
339	338 Shell-Thick	SLU-STATICA	14.0841	2.7542	86.18	-4.38
339	338 Shell-Thick	SLU-SISMICA	42.3571	8.5367	116.70	-1.28
339	338 Shell-Thick	SLU-SISMICA	42.4893	8.1663	117.84	-1.28
339	338 Shell-Thick	SLU-SISMICA	19.0141	3.1330	117.84	-2.41
339	338 Shell-Thick	SLU-SISMICA	18.8849	3.5017	116.70	-2.41
339	338 Shell-Thick	SLE-RARA	23.8811	4.9851	65.27	-1.67
339	338 Shell-Thick	SLE-RARA	24.1672	4.4531	66.99	-1.67
339	338 Shell-Thick	SLE-RARA	10.9037	1.6106	66.99	-3.39
339	338 Shell-Thick	SLE-RARA	10.6712	2.0906	65.27	-3.39
339	338 Shell-Thick	SLE-FREQ.	23.2864	4.8708	63.61	-1.68
339	338 Shell-Thick	SLE-FREQ.	23.5774	4.3336	65.35	-1.68
339	338 Shell-Thick	SLE-FREQ.	10.6426	1.5616	65.35	-3.42
339	338 Shell-Thick	SLE-FREQ.	10.4068	2.0452	63.61	-3.42
339	338 Shell-Thick	SLE-QP	21.5023	4.5278	58.65	-1.72
339	338 Shell-Thick	SLE-QP	21.8082	3.9750	60.44	-1.72
339	338 Shell-Thick	SLE-QP	9.8594	1.4146	60.44	-3.51
339	338 Shell-Thick	SLE-QP	9.6137	1.9090	58.65	-3.51
340	339 Shell-Thick	SLU-STATICA	13.3127	2.7544	70.09	-4.13
340	339 Shell-Thick	SLU-STATICA	13.1689	1.7355	71.76	-4.13
340	339 Shell-Thick	SLU-STATICA	-1.0528	-1.4818	71.76	-5.81
340	339 Shell-Thick	SLU-STATICA	-0.8596	-0.5106	70.09	-5.81
340	339 Shell-Thick	SLU-SISMICA	17.9063	3.3619	95.00	-2.33
340	339 Shell-Thick	SLU-SISMICA	17.7347	2.8213	95.77	-2.33
340	339 Shell-Thick	SLU-SISMICA	-1.3565	-1.4728	95.77	-3.10
340	339 Shell-Thick	SLU-SISMICA	-1.1890	-0.9274	95.00	-3.10
340	339 Shell-Thick	SLE-RARA	10.0856	2.0936	53.08	-3.20
340	339 Shell-Thick	SLE-RARA	9.9763	1.3050	54.38	-3.20
340	339 Shell-Thick	SLE-RARA	-0.7988	-1.1331	54.38	-4.50
340	339 Shell-Thick	SLE-RARA	-0.6506	-0.3820	53.08	-4.50
340	339 Shell-Thick	SLE-FREQ.	9.8339	2.0528	51.73	-3.22
340	339 Shell-Thick	SLE-FREQ.	9.7265	1.2562	53.05	-3.22
340	339 Shell-Thick	SLE-FREQ.	-0.7809	-1.1222	53.05	-4.54
340	339 Shell-Thick	SLE-FREQ.	-0.6333	-0.3644	51.73	-4.54
340	339 Shell-Thick	SLE-QP	9.0787	1.9303	47.69	-3.31
340	339 Shell-Thick	SLE-QP	8.9773	1.1098	49.05	-3.31
340	339 Shell-Thick	SLE-QP	-0.7270	-1.0894	49.05	-4.68
340	339 Shell-Thick	SLE-QP	-0.5813	-0.3118	47.69	-4.68
341	340 Shell-Thick	SLU-STATICA	-1.3908	-0.4987	54.24	-5.62
341	340 Shell-Thick	SLU-STATICA	-1.8621	-1.7618	55.45	-5.62
341	340 Shell-Thick	SLU-STATICA	-12.8568	-4.3669	55.45	-6.83
341	340 Shell-Thick	SLU-STATICA	-12.3511	-3.1370	54.24	-6.83
341	340 Shell-Thick	SLU-SISMICA	-1.8692	-1.0244	73.57	-3.04
341	340 Shell-Thick	SLU-SISMICA	-2.1870	-1.6779	74.06	-3.04
341	340 Shell-Thick	SLU-SISMICA	-16.9590	-5.1348	74.06	-3.53
341	340 Shell-Thick	SLU-SISMICA	-16.6487	-4.4733	73.57	-3.53
341	340 Shell-Thick	SLE-RARA	-1.0537	-0.3706	41.08	-4.35
341	340 Shell-Thick	SLE-RARA	-1.4171	-1.3487	42.02	-4.35
341	340 Shell-Thick	SLE-RARA	-9.7470	-3.3232	42.02	-5.29
341	340 Shell-Thick	SLE-RARA	-9.3564	-2.3714	41.08	-5.29
341	340 Shell-Thick	SLE-FREQ.	-1.0274	-0.3496	40.03	-4.39
341	340 Shell-Thick	SLE-FREQ.	-1.3923	-1.3381	40.99	-4.39
341	340 Shell-Thick	SLE-FREQ.	-9.5149	-3.2649	40.99	-5.35
341	340 Shell-Thick	SLE-FREQ.	-9.1216	-2.3038	40.03	-5.35
341	340 Shell-Thick	SLE-QP	-0.9487	-0.2865	36.89	-4.52

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341	340	Shell-Thick	SLE-QP	-1.3180	-1.3064	37.89	-4.52
341	340	Shell-Thick	SLE-QP	-8.8184	-3.0900	37.89	-5.52
341	340	Shell-Thick	SLE-QP	-8.4175	-2.1008	36.89	-5.52
342	341	Shell-Thick	SLU-STATICA	-12.6895	-3.1191	38.59	-6.70
342	341	Shell-Thick	SLU-STATICA	-13.3563	-4.5523	39.40	-6.70
342	341	Shell-Thick	SLU-STATICA	-21.1726	-6.4760	39.40	-7.51
342	341	Shell-Thick	SLU-STATICA	-20.4831	-5.0647	38.59	-7.51
342	341	Shell-Thick	SLU-SISMICA	-17.0875	-4.5352	52.37	-3.49
342	341	Shell-Thick	SLU-SISMICA	-17.4549	-5.2599	52.67	-3.49
342	341	Shell-Thick	SLU-SISMICA	-27.9639	-7.8056	52.67	-3.79
342	341	Shell-Thick	SLU-SISMICA	-27.6035	-7.0736	52.37	-3.79
342	341	Shell-Thick	SLE-RARA	-9.6131	-2.3562	29.22	-5.19
342	341	Shell-Thick	SLE-RARA	-10.1290	-3.4662	29.86	-5.19
342	341	Shell-Thick	SLE-RARA	-16.0506	-4.9245	29.86	-5.82
342	341	Shell-Thick	SLE-RARA	-15.5168	-3.8317	29.22	-5.82
342	341	Shell-Thick	SLE-FREQ.	-9.3726	-2.2860	28.48	-5.24
342	341	Shell-Thick	SLE-FREQ.	-9.8932	-3.4085	29.12	-5.24
342	341	Shell-Thick	SLE-FREQ.	-15.6672	-4.8318	29.12	-5.88
342	341	Shell-Thick	SLE-FREQ.	-15.1278	-3.7274	28.48	-5.88
342	341	Shell-Thick	SLE-QP	-8.6508	-2.0756	26.24	-5.40
342	341	Shell-Thick	SLE-QP	-9.1857	-3.2353	26.92	-5.40
342	341	Shell-Thick	SLE-QP	-14.5168	-4.5536	26.92	-6.08
342	341	Shell-Thick	SLE-QP	-13.9607	-3.4143	26.24	-6.08
343	342	Shell-Thick	SLU-STATICA	-20.6768	-5.0479	23.09	-7.42
343	342	Shell-Thick	SLU-STATICA	-21.4501	-6.5871	23.55	-7.42
343	342	Shell-Thick	SLU-STATICA	-26.1245	-7.7659	23.55	-7.89
343	342	Shell-Thick	SLU-STATICA	-25.3384	-6.2390	23.09	-7.89
343	342	Shell-Thick	SLU-SISMICA	-27.8580	-7.1088	31.35	-3.76
343	342	Shell-Thick	SLU-SISMICA	-28.2290	-7.8742	31.50	-3.76
343	342	Shell-Thick	SLU-SISMICA	-34.5164	-9.4276	31.50	-3.91
343	342	Shell-Thick	SLU-SISMICA	-34.1509	-8.6566	31.35	-3.91
343	342	Shell-Thick	SLE-RARA	-15.6637	-3.8178	17.48	-5.75
343	342	Shell-Thick	SLE-RARA	-16.2631	-5.0103	17.85	-5.75
343	342	Shell-Thick	SLE-RARA	-19.8044	-5.9040	17.85	-6.11
343	342	Shell-Thick	SLE-RARA	-19.1948	-4.7213	17.48	-6.11
343	342	Shell-Thick	SLE-FREQ.	-15.2712	-3.7119	17.04	-5.81
343	342	Shell-Thick	SLE-FREQ.	-15.8779	-4.9181	17.41	-5.81
343	342	Shell-Thick	SLE-FREQ.	-19.3308	-5.7905	17.41	-6.19
343	342	Shell-Thick	SLE-FREQ.	-18.7134	-4.5946	17.04	-6.19
343	342	Shell-Thick	SLE-QP	-14.0936	-3.3941	15.70	-6.01
343	342	Shell-Thick	SLE-QP	-14.7224	-4.6415	16.09	-6.01
343	342	Shell-Thick	SLE-QP	-17.9101	-5.4503	16.09	-6.40
343	342	Shell-Thick	SLE-QP	-17.2692	-4.2146	15.70	-6.40
344	343	Shell-Thick	SLU-STATICA	-25.4249	-6.2290	7.68	-7.85
344	343	Shell-Thick	SLU-STATICA	-26.2457	-7.8174	7.84	-7.85
344	343	Shell-Thick	SLU-STATICA	-27.8013	-8.2162	7.84	-8.00
344	343	Shell-Thick	SLU-STATICA	-26.9763	-6.6318	7.68	-8.00
344	343	Shell-Thick	SLU-SISMICA	-34.2659	-8.6723	10.44	-3.90
344	343	Shell-Thick	SLU-SISMICA	-34.6283	-9.4573	10.48	-3.90
344	343	Shell-Thick	SLU-SISMICA	-36.7214	-9.9841	10.48	-3.95
344	343	Shell-Thick	SLU-SISMICA	-36.3606	-9.1975	10.44	-3.95
344	343	Shell-Thick	SLE-RARA	-19.2604	-4.7131	5.82	-6.08
344	343	Shell-Thick	SLE-RARA	-19.8972	-5.9438	5.94	-6.08
344	343	Shell-Thick	SLE-RARA	-21.0757	-6.2461	5.94	-6.20
344	343	Shell-Thick	SLE-RARA	-20.4356	-5.0186	5.82	-6.20
344	343	Shell-Thick	SLE-FREQ.	-18.7774	-4.5857	5.67	-6.15
344	343	Shell-Thick	SLE-FREQ.	-19.4231	-5.8307	5.79	-6.15
344	343	Shell-Thick	SLE-FREQ.	-20.5721	-6.1258	5.79	-6.27
344	343	Shell-Thick	SLE-FREQ.	-19.9230	-4.8841	5.67	-6.27
344	343	Shell-Thick	SLE-QP	-17.3284	-4.2034	5.23	-6.36
344	343	Shell-Thick	SLE-QP	-18.0006	-5.4915	5.35	-6.36
344	343	Shell-Thick	SLE-QP	-19.0613	-5.7648	5.35	-6.49
344	343	Shell-Thick	SLE-QP	-18.3852	-4.4805	5.23	-6.49
345	344	Shell-Thick	SLU-STATICA	-26.9763	-6.6318	-7.68	-8.00
345	344	Shell-Thick	SLU-STATICA	-27.8013	-8.2162	-7.84	-8.00
345	344	Shell-Thick	SLU-STATICA	-26.2457	-7.8174	-7.84	-7.85
345	344	Shell-Thick	SLU-STATICA	-25.4249	-6.2290	-7.68	-7.85
345	344	Shell-Thick	SLU-SISMICA	-36.3606	-9.1975	-10.44	-3.95
345	344	Shell-Thick	SLU-SISMICA	-36.7214	-9.9841	-10.48	-3.95

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345	344	Shell-Thick	SLU-SISMICA	-34.6283	-9.4573	-10.48	-3.90
345	344	Shell-Thick	SLU-SISMICA	-34.2659	-8.6723	-10.44	-3.90
345	344	Shell-Thick	SLE-RARA	-20.4356	-5.0186	-5.82	-6.20
345	344	Shell-Thick	SLE-RARA	-21.0757	-6.2461	-5.94	-6.20
345	344	Shell-Thick	SLE-RARA	-19.8972	-5.9438	-5.94	-6.08
345	344	Shell-Thick	SLE-RARA	-19.2604	-4.7131	-5.82	-6.08
345	344	Shell-Thick	SLE-FREQ.	-19.9230	-4.8841	-5.67	-6.27
345	344	Shell-Thick	SLE-FREQ.	-20.5721	-6.1258	-5.79	-6.27
345	344	Shell-Thick	SLE-FREQ.	-19.4231	-5.8307	-5.79	-6.15
345	344	Shell-Thick	SLE-FREQ.	-18.7774	-4.5857	-5.67	-6.15
345	344	Shell-Thick	SLE-QP	-18.3852	-4.4805	-5.23	-6.49
345	344	Shell-Thick	SLE-QP	-19.0613	-5.7648	-5.35	-6.49
345	344	Shell-Thick	SLE-QP	-18.0006	-5.4915	-5.35	-6.36
345	344	Shell-Thick	SLE-QP	-17.3284	-4.2034	-5.23	-6.36
346	345	Shell-Thick	SLU-STATICA	-25.3384	-6.2390	-23.09	-7.89
346	345	Shell-Thick	SLU-STATICA	-26.1245	-7.7659	-23.55	-7.89
346	345	Shell-Thick	SLU-STATICA	-21.4501	-6.5871	-23.55	-7.42
346	345	Shell-Thick	SLU-STATICA	-20.6768	-5.0479	-23.09	-7.42
346	345	Shell-Thick	SLU-SISMICA	-34.1509	-8.6566	-31.35	-3.91
346	345	Shell-Thick	SLU-SISMICA	-34.5164	-9.4276	-31.50	-3.91
346	345	Shell-Thick	SLU-SISMICA	-28.2290	-7.8742	-31.50	-3.76
346	345	Shell-Thick	SLU-SISMICA	-27.8580	-7.1088	-31.35	-3.76
346	345	Shell-Thick	SLE-RARA	-19.1948	-4.7213	-17.48	-6.11
346	345	Shell-Thick	SLE-RARA	-19.8044	-5.9040	-17.85	-6.11
346	345	Shell-Thick	SLE-RARA	-16.2631	-5.0103	-17.85	-5.75
346	345	Shell-Thick	SLE-RARA	-15.6637	-3.8178	-17.48	-5.75
346	345	Shell-Thick	SLE-FREQ.	-18.7134	-4.5946	-17.04	-6.19
346	345	Shell-Thick	SLE-FREQ.	-19.3308	-5.7905	-17.41	-6.19
346	345	Shell-Thick	SLE-FREQ.	-15.8779	-4.9181	-17.41	-5.81
346	345	Shell-Thick	SLE-FREQ.	-15.2712	-3.7119	-17.04	-5.81
346	345	Shell-Thick	SLE-QP	-17.2692	-4.2146	-15.70	-6.40
346	345	Shell-Thick	SLE-QP	-17.9101	-5.4503	-16.09	-6.40
346	345	Shell-Thick	SLE-QP	-14.7224	-4.6415	-16.09	-6.01
346	345	Shell-Thick	SLE-QP	-14.0936	-3.3941	-15.70	-6.01
347	346	Shell-Thick	SLU-STATICA	-20.4831	-5.0647	-38.59	-7.51
347	346	Shell-Thick	SLU-STATICA	-21.1726	-6.4760	-39.40	-7.51
347	346	Shell-Thick	SLU-STATICA	-13.3563	-4.5523	-39.40	-6.70
347	346	Shell-Thick	SLU-STATICA	-12.6895	-3.1191	-38.59	-6.70
347	346	Shell-Thick	SLU-SISMICA	-27.6035	-7.0736	-52.37	-3.79
347	346	Shell-Thick	SLU-SISMICA	-27.9639	-7.8056	-52.67	-3.79
347	346	Shell-Thick	SLU-SISMICA	-17.4549	-5.2599	-52.67	-3.49
347	346	Shell-Thick	SLU-SISMICA	-17.0875	-4.5352	-52.37	-3.49
347	346	Shell-Thick	SLE-RARA	-15.5168	-3.8317	-29.22	-5.82
347	346	Shell-Thick	SLE-RARA	-16.0506	-4.9245	-29.86	-5.82
347	346	Shell-Thick	SLE-RARA	-10.1290	-3.4662	-29.86	-5.19
347	346	Shell-Thick	SLE-RARA	-9.6131	-2.3562	-29.22	-5.19
347	346	Shell-Thick	SLE-FREQ.	-15.1278	-3.7274	-28.48	-5.88
347	346	Shell-Thick	SLE-FREQ.	-15.6672	-4.8318	-29.12	-5.88
347	346	Shell-Thick	SLE-FREQ.	-9.8932	-3.4085	-29.12	-5.24
347	346	Shell-Thick	SLE-FREQ.	-9.3726	-2.2860	-28.48	-5.24
347	346	Shell-Thick	SLE-QP	-13.9607	-3.4143	-26.24	-6.08
347	346	Shell-Thick	SLE-QP	-14.5168	-4.5536	-26.92	-6.08
347	346	Shell-Thick	SLE-QP	-9.1857	-3.2353	-26.92	-5.40
347	346	Shell-Thick	SLE-QP	-8.6508	-2.0756	-26.24	-5.40
348	347	Shell-Thick	SLU-STATICA	-12.3511	-3.1370	-54.24	-6.83
348	347	Shell-Thick	SLU-STATICA	-12.8568	-4.3669	-55.45	-6.83
348	347	Shell-Thick	SLU-STATICA	-1.8621	-1.7618	-55.45	-5.62
348	347	Shell-Thick	SLU-STATICA	-1.3908	-0.4987	-54.24	-5.62
348	347	Shell-Thick	SLU-SISMICA	-16.6487	-4.4733	-73.57	-3.53
348	347	Shell-Thick	SLU-SISMICA	-16.9590	-5.1348	-74.06	-3.53
348	347	Shell-Thick	SLU-SISMICA	-2.1870	-1.6779	-74.06	-3.04
348	347	Shell-Thick	SLU-SISMICA	-1.8692	-1.0244	-73.57	-3.04
348	347	Shell-Thick	SLE-RARA	-9.3564	-2.3714	-41.08	-5.29
348	347	Shell-Thick	SLE-RARA	-9.7470	-3.3232	-42.02	-5.29
348	347	Shell-Thick	SLE-RARA	-1.4171	-1.3487	-42.02	-4.35
348	347	Shell-Thick	SLE-RARA	-1.0537	-0.3706	-41.08	-4.35
348	347	Shell-Thick	SLE-FREQ.	-9.1216	-2.3038	-40.03	-5.35
348	347	Shell-Thick	SLE-FREQ.	-9.5149	-3.2649	-40.99	-5.35
348	347	Shell-Thick	SLE-FREQ.	-1.3923	-1.3381	-40.99	-4.39

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348	347	Shell-Thick	SLE-FREQ.	-1.0274	-0.3496	-40.03	-4.39
348	347	Shell-Thick	SLE-QP	-8.4175	-2.1008	-36.89	-5.52
348	347	Shell-Thick	SLE-QP	-8.8184	-3.0900	-37.89	-5.52
348	347	Shell-Thick	SLE-QP	-1.3180	-1.3064	-37.89	-4.52
348	347	Shell-Thick	SLE-QP	-0.9487	-0.2865	-36.89	-4.52
349	348	Shell-Thick	SLU-STATICA	-0.8596	-0.5106	-70.09	-5.81
349	348	Shell-Thick	SLU-STATICA	-1.0528	-1.4818	-71.76	-5.81
349	348	Shell-Thick	SLU-STATICA	13.1689	1.7355	-71.76	-4.13
349	348	Shell-Thick	SLU-STATICA	13.3127	2.7544	-70.09	-4.13
349	348	Shell-Thick	SLU-SISMICA	-1.1890	-0.9274	-95.00	-3.10
349	348	Shell-Thick	SLU-SISMICA	-1.3565	-1.4728	-95.77	-3.10
349	348	Shell-Thick	SLU-SISMICA	17.7347	2.8213	-95.77	-2.33
349	348	Shell-Thick	SLU-SISMICA	17.9063	3.3619	-95.00	-2.33
349	348	Shell-Thick	SLE-RARA	-0.6506	-0.3820	-53.08	-4.50
349	348	Shell-Thick	SLE-RARA	-0.7988	-1.1331	-54.38	-4.50
349	348	Shell-Thick	SLE-RARA	9.9763	1.3050	-54.38	-3.20
349	348	Shell-Thick	SLE-RARA	10.0856	2.0936	-53.08	-3.20
349	348	Shell-Thick	SLE-FREQ.	-0.6333	-0.3644	-51.73	-4.54
349	348	Shell-Thick	SLE-FREQ.	-0.7809	-1.1222	-53.05	-4.54
349	348	Shell-Thick	SLE-FREQ.	9.7265	1.2562	-53.05	-3.22
349	348	Shell-Thick	SLE-FREQ.	9.8339	2.0528	-51.73	-3.22
349	348	Shell-Thick	SLE-QP	-0.5813	-0.3118	-47.69	-4.68
349	348	Shell-Thick	SLE-QP	-0.7270	-1.0894	-49.05	-4.68
349	348	Shell-Thick	SLE-QP	8.9773	1.1098	-49.05	-3.31
349	348	Shell-Thick	SLE-QP	9.0787	1.9303	-47.69	-3.31
350	349	Shell-Thick	SLU-STATICA	14.0841	2.7542	-86.18	-4.38
350	349	Shell-Thick	SLU-STATICA	14.3836	2.1330	-88.39	-4.38
350	349	Shell-Thick	SLU-STATICA	31.8892	5.8847	-88.39	-2.16
350	349	Shell-Thick	SLU-STATICA	31.5212	6.5721	-86.18	-2.16
350	349	Shell-Thick	SLU-SISMICA	18.8849	3.5017	-116.70	-2.41
350	349	Shell-Thick	SLU-SISMICA	19.0141	3.1330	-117.84	-2.41
350	349	Shell-Thick	SLU-SISMICA	42.4893	8.1663	-117.84	-1.28
350	349	Shell-Thick	SLU-SISMICA	42.3571	8.5367	-116.70	-1.28
350	349	Shell-Thick	SLE-RARA	10.6712	2.0906	-65.27	-3.39
350	349	Shell-Thick	SLE-RARA	10.9037	1.6106	-66.99	-3.39
350	349	Shell-Thick	SLE-RARA	24.1672	4.4531	-66.99	-1.67
350	349	Shell-Thick	SLE-RARA	23.8811	4.9851	-65.27	-1.67
350	349	Shell-Thick	SLE-FREQ.	10.4068	2.0452	-63.61	-3.42
350	349	Shell-Thick	SLE-FREQ.	10.6426	1.5616	-65.35	-3.42
350	349	Shell-Thick	SLE-FREQ.	23.5774	4.3336	-65.35	-1.68
350	349	Shell-Thick	SLE-FREQ.	23.2864	4.8708	-63.61	-1.68
350	349	Shell-Thick	SLE-QP	9.6137	1.9090	-58.65	-3.51
350	349	Shell-Thick	SLE-QP	9.8594	1.4146	-60.44	-3.51
350	349	Shell-Thick	SLE-QP	21.8082	3.9750	-60.44	-1.72
350	349	Shell-Thick	SLE-QP	21.5023	4.5278	-58.65	-1.72
351	350	Shell-Thick	SLU-STATICA	32.5664	6.5857	-102.52	-2.47
351	350	Shell-Thick	SLU-STATICA	33.5945	6.4211	-105.36	-2.47
351	350	Shell-Thick	SLU-STATICA	54.4459	10.6496	-105.36	0.37
351	350	Shell-Thick	SLU-STATICA	53.3247	10.9045	-102.52	0.37
351	350	Shell-Thick	SLU-SISMICA	43.6757	8.7225	-138.70	-1.40
351	350	Shell-Thick	SLU-SISMICA	44.3194	8.6102	-140.30	-1.40
351	350	Shell-Thick	SLU-SISMICA	72.2502	14.3202	-140.30	0.20
351	350	Shell-Thick	SLU-SISMICA	71.5898	14.4478	-138.70	0.20
351	350	Shell-Thick	SLE-RARA	24.6747	4.9920	-77.65	-1.91
351	350	Shell-Thick	SLE-RARA	25.4685	4.8651	-79.85	-1.91
351	350	Shell-Thick	SLE-RARA	41.2677	8.0682	-79.85	0.29
351	350	Shell-Thick	SLE-RARA	40.4012	8.2656	-77.65	0.29
351	350	Shell-Thick	SLE-FREQ.	24.0631	4.8720	-75.68	-1.93
351	350	Shell-Thick	SLE-FREQ.	24.8618	4.7446	-77.90	-1.93
351	350	Shell-Thick	SLE-FREQ.	40.2704	7.8669	-77.90	0.29
351	350	Shell-Thick	SLE-FREQ.	39.3973	8.0666	-75.68	0.29
351	350	Shell-Thick	SLE-QP	22.2283	4.5117	-69.79	-1.98
351	350	Shell-Thick	SLE-QP	23.0414	4.3830	-72.07	-1.98
351	350	Shell-Thick	SLE-QP	37.2786	7.2632	-72.07	0.30
351	350	Shell-Thick	SLE-QP	36.3856	7.4696	-69.79	0.30
352	351	Shell-Thick	SLU-STATICA	54.7214	11.1347	105.09	0.30
352	351	Shell-Thick	SLU-STATICA	55.5761	10.9248	107.51	0.30
352	351	Shell-Thick	SLU-STATICA	34.2701	6.5390	107.51	-2.13
352	351	Shell-Thick	SLU-STATICA	33.4709	6.6957	105.09	-2.13



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352	351	Shell-Thick	SLU-SISMICA	72.4092	14.5545	140.12	0.11
352	351	Shell-Thick	SLU-SISMICA	72.7570	14.4787	141.24	0.11
352	351	Shell-Thick	SLU-SISMICA	44.6106	8.6500	141.24	-1.01
352	351	Shell-Thick	SLU-SISMICA	44.2360	8.7536	140.12	-1.01
352	351	Shell-Thick	SLE-RARA	41.4807	8.4441	79.64	0.23
352	351	Shell-Thick	SLE-RARA	42.1444	8.2809	81.52	0.23
352	351	Shell-Thick	SLE-RARA	25.9929	4.9569	81.52	-1.65
352	351	Shell-Thick	SLE-RARA	25.3732	5.0778	79.64	-1.65
352	351	Shell-Thick	SLE-FREQ.	40.4852	8.2474	77.69	0.23
352	351	Shell-Thick	SLE-FREQ.	41.1591	8.0814	79.60	0.23
352	351	Shell-Thick	SLE-FREQ.	25.3936	4.8380	79.60	-1.67
352	351	Shell-Thick	SLE-FREQ.	24.7661	4.9594	77.69	-1.67
352	351	Shell-Thick	SLE-QP	37.4986	7.6574	71.85	0.25
352	351	Shell-Thick	SLE-QP	38.2030	7.4830	73.83	0.25
352	351	Shell-Thick	SLE-QP	23.5958	4.4814	73.83	-1.73
352	351	Shell-Thick	SLE-QP	22.9446	4.6045	71.85	-1.73
353	352	Shell-Thick	SLU-STATICA	32.1603	6.5834	88.19	-1.89
353	352	Shell-Thick	SLU-STATICA	32.3538	6.0060	90.00	-1.89
353	352	Shell-Thick	SLU-STATICA	14.5007	2.0498	90.00	-3.70
353	352	Shell-Thick	SLU-STATICA	14.3441	2.5922	88.19	-3.70
353	352	Shell-Thick	SLU-SISMICA	42.6183	8.4558	117.73	-0.97
353	352	Shell-Thick	SLU-SISMICA	42.5463	8.2114	118.40	-0.97
353	352	Shell-Thick	SLU-SISMICA	18.9308	2.9902	118.40	-1.64
353	352	Shell-Thick	SLU-SISMICA	18.9699	3.2681	117.73	-1.64
353	352	Shell-Thick	SLE-RARA	24.3774	4.9956	66.83	-1.47
353	352	Shell-Thick	SLE-RARA	24.5307	4.5474	68.24	-1.47
353	352	Shell-Thick	SLE-RARA	10.9972	1.5482	68.24	-2.87
353	352	Shell-Thick	SLE-RARA	10.8735	1.9682	66.83	-2.87
353	352	Shell-Thick	SLE-FREQ.	23.7902	4.8842	65.20	-1.48
353	352	Shell-Thick	SLE-FREQ.	23.9508	4.4295	66.63	-1.48
353	352	Shell-Thick	SLE-FREQ.	10.7419	1.5018	66.63	-2.91
353	352	Shell-Thick	SLE-FREQ.	10.6129	1.9264	65.20	-2.91
353	352	Shell-Thick	SLE-QP	22.0288	4.5501	60.28	-1.53
353	352	Shell-Thick	SLE-QP	22.2111	4.0756	61.78	-1.53
353	352	Shell-Thick	SLE-QP	9.9758	1.3626	61.78	-3.03
353	352	Shell-Thick	SLE-QP	9.8311	1.8009	60.28	-3.03
354	353	Shell-Thick	SLU-STATICA	13.4194	2.5232	71.62	-3.52
354	353	Shell-Thick	SLU-STATICA	13.2151	1.6768	72.93	-3.52
354	353	Shell-Thick	SLU-STATICA	-1.2639	-1.7556	72.93	-4.82
354	353	Shell-Thick	SLU-STATICA	-1.0358	-0.9317	71.62	-4.82
354	353	Shell-Thick	SLU-SISMICA	17.8221	3.0504	95.71	-1.62
354	353	Shell-Thick	SLU-SISMICA	17.5798	2.7082	96.05	-1.62
354	353	Shell-Thick	SLU-SISMICA	-1.5947	-1.7895	96.05	-1.97
354	353	Shell-Thick	SLU-SISMICA	-1.3861	-1.4133	95.71	-1.97
354	353	Shell-Thick	SLE-RARA	10.1711	1.9185	54.27	-2.73
354	353	Shell-Thick	SLE-RARA	10.0156	1.2612	55.29	-2.73
354	353	Shell-Thick	SLE-RARA	-0.9597	-1.3416	55.29	-3.75
354	353	Shell-Thick	SLE-RARA	-0.7848	-0.7026	54.27	-3.75
354	353	Shell-Thick	SLE-FREQ.	9.9248	1.8821	52.94	-2.77
354	353	Shell-Thick	SLE-FREQ.	9.7722	1.2146	53.98	-2.77
354	353	Shell-Thick	SLE-FREQ.	-0.9392	-1.3271	53.98	-3.80
354	353	Shell-Thick	SLE-FREQ.	-0.7655	-0.6797	52.94	-3.80
354	353	Shell-Thick	SLE-QP	9.1860	1.7728	48.94	-2.87
354	353	Shell-Thick	SLE-QP	9.0417	1.0749	50.04	-2.87
354	353	Shell-Thick	SLE-QP	-0.8779	-1.2839	50.04	-3.98
354	353	Shell-Thick	SLE-QP	-0.7074	-0.6111	48.94	-3.98
355	354	Shell-Thick	SLU-STATICA	-1.6408	-0.9657	55.35	-4.69
355	354	Shell-Thick	SLU-STATICA	-2.0571	-2.0012	56.25	-4.69
355	354	Shell-Thick	SLU-STATICA	-13.2346	-4.8099	56.25	-5.59
355	354	Shell-Thick	SLU-STATICA	-12.8032	-3.7885	55.35	-5.59
355	354	Shell-Thick	SLU-SISMICA	-2.1440	-1.5616	74.03	-1.96
355	354	Shell-Thick	SLU-SISMICA	-2.3976	-1.9533	74.17	-1.96
355	354	Shell-Thick	SLU-SISMICA	-17.2149	-5.6165	74.17	-2.10
355	354	Shell-Thick	SLU-SISMICA	-16.9908	-5.1952	74.03	-2.10
355	354	Shell-Thick	SLE-RARA	-1.2443	-0.7263	41.94	-3.64
355	354	Shell-Thick	SLE-RARA	-1.5659	-1.5310	42.65	-3.64
355	354	Shell-Thick	SLE-RARA	-10.0383	-3.6612	42.65	-4.34
355	354	Shell-Thick	SLE-RARA	-9.7043	-2.8681	41.94	-4.34
355	354	Shell-Thick	SLE-FREQ.	-1.2153	-0.6994	40.91	-3.69

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355	354	Shell-Thick	SLE-FREQ.	-1.5392	-1.5174	41.63	-3.69
355	354	Shell-Thick	SLE-FREQ.	-9.8073	-3.5982	41.63	-4.41
355	354	Shell-Thick	SLE-FREQ.	-9.4698	-2.7932	40.91	-4.41
355	354	Shell-Thick	SLE-QP	-1.1285	-0.6188	37.81	-3.86
355	354	Shell-Thick	SLE-QP	-1.4588	-1.4766	38.59	-3.86
355	354	Shell-Thick	SLE-QP	-9.1143	-3.4094	38.59	-4.63
355	354	Shell-Thick	SLE-QP	-8.7661	-2.5685	37.81	-4.63
356	355	Shell-Thick	SLU-STATICA	-13.1667	-3.7994	39.34	-5.49
356	355	Shell-Thick	SLU-STATICA	-13.6785	-4.9605	39.92	-5.49
356	355	Shell-Thick	SLU-STATICA	-21.6154	-7.0446	39.92	-6.07
356	355	Shell-Thick	SLU-STATICA	-21.0948	-5.8918	39.34	-6.07
356	355	Shell-Thick	SLU-SISMICA	-17.4524	-5.2887	52.65	-2.10
356	355	Shell-Thick	SLU-SISMICA	-17.6390	-5.7001	52.67	-2.10
356	355	Shell-Thick	SLU-SISMICA	-28.1687	-8.4049	52.67	-2.12
356	355	Shell-Thick	SLU-SISMICA	-28.0051	-7.9703	52.65	-2.12
356	355	Shell-Thick	SLE-RARA	-9.9802	-2.8748	29.81	-4.27
356	355	Shell-Thick	SLE-RARA	-10.3781	-3.7777	30.26	-4.27
356	355	Shell-Thick	SLE-RARA	-16.3940	-5.3586	30.26	-4.72
356	355	Shell-Thick	SLE-RARA	-15.9887	-4.4627	29.81	-4.72
356	355	Shell-Thick	SLE-FREQ.	-9.7397	-2.7971	29.07	-4.34
356	355	Shell-Thick	SLE-FREQ.	-10.1444	-3.7158	29.54	-4.34
356	355	Shell-Thick	SLE-FREQ.	-16.0150	-5.2605	29.54	-4.80
356	355	Shell-Thick	SLE-FREQ.	-15.6019	-4.3498	29.07	-4.80
356	355	Shell-Thick	SLE-QP	-9.0182	-2.5640	26.87	-4.55
356	355	Shell-Thick	SLE-QP	-9.4432	-3.5301	27.38	-4.55
356	355	Shell-Thick	SLE-QP	-14.8780	-4.9664	27.38	-5.05
356	355	Shell-Thick	SLE-QP	-14.4416	-4.0111	26.87	-5.05
357	356	Shell-Thick	SLU-STATICA	-21.2902	-5.8913	23.52	-6.01
357	356	Shell-Thick	SLU-STATICA	-21.8346	-7.1281	23.84	-6.01
357	356	Shell-Thick	SLU-STATICA	-26.5775	-8.4135	23.84	-6.33
357	356	Shell-Thick	SLU-STATICA	-26.0284	-7.1811	23.52	-6.33
357	356	Shell-Thick	SLU-SISMICA	-28.2573	-8.0233	31.50	-2.13
357	356	Shell-Thick	SLU-SISMICA	-28.3612	-8.4408	31.48	-2.13
357	356	Shell-Thick	SLU-SISMICA	-34.6571	-10.1068	31.48	-2.11
357	356	Shell-Thick	SLU-SISMICA	-34.5674	-9.6751	31.50	-2.11
357	356	Shell-Thick	SLE-RARA	-16.1370	-4.4612	17.82	-4.67
357	356	Shell-Thick	SLE-RARA	-16.5621	-5.4234	18.08	-4.67
357	356	Shell-Thick	SLE-RARA	-20.1570	-6.3985	18.08	-4.92
357	356	Shell-Thick	SLE-RARA	-19.7279	-5.4401	17.82	-4.92
357	356	Shell-Thick	SLE-FREQ.	-15.7468	-4.3466	17.38	-4.75
357	356	Shell-Thick	SLE-FREQ.	-16.1823	-5.3262	17.64	-4.75
357	356	Shell-Thick	SLE-FREQ.	-19.6903	-6.2791	17.64	-5.01
357	356	Shell-Thick	SLE-FREQ.	-19.2502	-5.3037	17.38	-5.01
357	356	Shell-Thick	SLE-QP	-14.5764	-4.0026	16.06	-5.00
357	356	Shell-Thick	SLE-QP	-15.0430	-5.0348	16.35	-5.00
357	356	Shell-Thick	SLE-QP	-18.2901	-5.9210	16.35	-5.29
357	356	Shell-Thick	SLE-QP	-17.8173	-4.8948	16.06	-5.29
358	357	Shell-Thick	SLU-STATICA	-26.1112	-7.1784	7.83	-6.30
358	357	Shell-Thick	SLU-STATICA	-26.6633	-8.4499	7.93	-6.30
358	357	Shell-Thick	SLU-STATICA	-28.2409	-8.8828	7.93	-6.40
358	357	Shell-Thick	SLU-STATICA	-27.6874	-7.6126	7.83	-6.40
358	357	Shell-Thick	SLU-SISMICA	-34.6759	-9.6986	10.48	-2.12
358	357	Shell-Thick	SLU-SISMICA	-34.7252	-10.1187	10.47	-2.12
358	357	Shell-Thick	SLU-SISMICA	-36.8199	-10.6771	10.47	-2.11
358	357	Shell-Thick	SLU-SISMICA	-36.7756	-10.2519	10.48	-2.11
358	357	Shell-Thick	SLE-RARA	-19.7907	-5.4374	5.93	-4.90
358	357	Shell-Thick	SLE-RARA	-20.2229	-6.4268	6.01	-4.90
358	357	Shell-Thick	SLE-RARA	-21.4187	-6.7553	6.01	-4.98
358	357	Shell-Thick	SLE-RARA	-20.9852	-5.7670	5.93	-4.98
358	357	Shell-Thick	SLE-FREQ.	-19.3115	-5.3003	5.78	-4.99
358	357	Shell-Thick	SLE-FREQ.	-19.7561	-6.3080	5.87	-4.99
358	357	Shell-Thick	SLE-FREQ.	-20.9230	-6.6290	5.87	-5.07
358	357	Shell-Thick	SLE-FREQ.	-20.4770	-5.6227	5.78	-5.07
358	357	Shell-Thick	SLE-QP	-17.8741	-4.8888	5.34	-5.26
358	357	Shell-Thick	SLE-QP	-18.3557	-5.9515	5.44	-5.26
358	357	Shell-Thick	SLE-QP	-19.4358	-6.2503	5.44	-5.35
358	357	Shell-Thick	SLE-QP	-18.9521	-5.1896	5.34	-5.35
359	358	Shell-Thick	SLU-STATICA	-27.6874	-7.6126	-7.83	-6.40
359	358	Shell-Thick	SLU-STATICA	-28.2409	-8.8828	-7.93	-6.40



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359	358	Shell-Thick	SLU-STATICA	-26.6633	-8.4499	-7.93	-6.30
359	358	Shell-Thick	SLU-STATICA	-26.1112	-7.1784	-7.83	-6.30
359	358	Shell-Thick	SLU-SISMICA	-36.7756	-10.2519	-10.48	-2.11
359	358	Shell-Thick	SLU-SISMICA	-36.8199	-10.6771	-10.47	-2.11
359	358	Shell-Thick	SLU-SISMICA	-34.7252	-10.1187	-10.47	-2.12
359	358	Shell-Thick	SLU-SISMICA	-34.6759	-9.6986	-10.48	-2.12
359	358	Shell-Thick	SLE-RARA	-20.9852	-5.7670	-5.93	-4.98
359	358	Shell-Thick	SLE-RARA	-21.4187	-6.7553	-6.01	-4.98
359	358	Shell-Thick	SLE-RARA	-20.2229	-6.4268	-6.01	-4.90
359	358	Shell-Thick	SLE-RARA	-19.7907	-5.4374	-5.93	-4.90
359	358	Shell-Thick	SLE-FREQ.	-20.4770	-5.6227	-5.78	-5.07
359	358	Shell-Thick	SLE-FREQ.	-20.9230	-6.6290	-5.87	-5.07
359	358	Shell-Thick	SLE-FREQ.	-19.7561	-6.3080	-5.87	-4.99
359	358	Shell-Thick	SLE-FREQ.	-19.3115	-5.3003	-5.78	-4.99
359	358	Shell-Thick	SLE-QP	-18.9521	-5.1896	-5.34	-5.35
359	358	Shell-Thick	SLE-QP	-19.4358	-6.2503	-5.44	-5.35
359	358	Shell-Thick	SLE-QP	-18.3557	-5.9515	-5.44	-5.26
359	358	Shell-Thick	SLE-QP	-17.8741	-4.8888	-5.34	-5.26
360	359	Shell-Thick	SLU-STATICA	-26.0284	-7.1811	-23.52	-6.33
360	359	Shell-Thick	SLU-STATICA	-26.5775	-8.4135	-23.84	-6.33
360	359	Shell-Thick	SLU-STATICA	-21.8346	-7.1281	-23.84	-6.01
360	359	Shell-Thick	SLU-STATICA	-21.2902	-5.8913	-23.52	-6.01
360	359	Shell-Thick	SLU-SISMICA	-34.5674	-9.6751	-31.50	-2.11
360	359	Shell-Thick	SLU-SISMICA	-34.6571	-10.1068	-31.48	-2.11
360	359	Shell-Thick	SLU-SISMICA	-28.3612	-8.4408	-31.48	-2.13
360	359	Shell-Thick	SLU-SISMICA	-28.2573	-8.0233	-31.50	-2.13
360	359	Shell-Thick	SLE-RARA	-19.7279	-5.4401	-17.82	-4.92
360	359	Shell-Thick	SLE-RARA	-20.1570	-6.3985	-18.08	-4.92
360	359	Shell-Thick	SLE-RARA	-16.5621	-5.4234	-18.08	-4.67
360	359	Shell-Thick	SLE-RARA	-16.1370	-4.4612	-17.82	-4.67
360	359	Shell-Thick	SLE-FREQ.	-19.2502	-5.3037	-17.38	-5.01
360	359	Shell-Thick	SLE-FREQ.	-19.6903	-6.2791	-17.64	-5.01
360	359	Shell-Thick	SLE-FREQ.	-16.1823	-5.3262	-17.64	-4.75
360	359	Shell-Thick	SLE-FREQ.	-15.7468	-4.3466	-17.38	-4.75
360	359	Shell-Thick	SLE-QP	-17.8173	-4.8948	-16.06	-5.29
360	359	Shell-Thick	SLE-QP	-18.2901	-5.9210	-16.35	-5.29
360	359	Shell-Thick	SLE-QP	-15.0430	-5.0348	-16.35	-5.00
360	359	Shell-Thick	SLE-QP	-14.5764	-4.0026	-16.06	-5.00
361	360	Shell-Thick	SLU-STATICA	-21.0948	-5.8918	-39.34	-6.07
361	360	Shell-Thick	SLU-STATICA	-21.6154	-7.0446	-39.92	-6.07
361	360	Shell-Thick	SLU-STATICA	-13.6785	-4.9605	-39.92	-5.49
361	360	Shell-Thick	SLU-STATICA	-13.1667	-3.7994	-39.34	-5.49
361	360	Shell-Thick	SLU-SISMICA	-28.0051	-7.9703	-52.65	-2.12
361	360	Shell-Thick	SLU-SISMICA	-28.1687	-8.4049	-52.67	-2.12
361	360	Shell-Thick	SLU-SISMICA	-17.6390	-5.7001	-52.67	-2.10
361	360	Shell-Thick	SLU-SISMICA	-17.4524	-5.2887	-52.65	-2.10
361	360	Shell-Thick	SLE-RARA	-15.9887	-4.4627	-29.81	-4.72
361	360	Shell-Thick	SLE-RARA	-16.3940	-5.3586	-30.26	-4.72
361	360	Shell-Thick	SLE-RARA	-10.3781	-3.7777	-30.26	-4.27
361	360	Shell-Thick	SLE-RARA	-9.9802	-2.8748	-29.81	-4.27
361	360	Shell-Thick	SLE-FREQ.	-15.6019	-4.3498	-29.07	-4.80
361	360	Shell-Thick	SLE-FREQ.	-16.0150	-5.2605	-29.54	-4.80
361	360	Shell-Thick	SLE-FREQ.	-10.1444	-3.7158	-29.54	-4.34
361	360	Shell-Thick	SLE-FREQ.	-9.7397	-2.7971	-29.07	-4.34
361	360	Shell-Thick	SLE-QP	-14.4416	-4.0111	-26.87	-5.05
361	360	Shell-Thick	SLE-QP	-14.8780	-4.9664	-27.38	-5.05
361	360	Shell-Thick	SLE-QP	-9.4432	-3.5301	-27.38	-4.55
361	360	Shell-Thick	SLE-QP	-9.0182	-2.5640	-26.87	-4.55
362	361	Shell-Thick	SLU-STATICA	-12.8032	-3.7885	-55.35	-5.59
362	361	Shell-Thick	SLU-STATICA	-13.2346	-4.8099	-56.25	-5.59
362	361	Shell-Thick	SLU-STATICA	-2.0571	-2.0012	-56.25	-4.69
362	361	Shell-Thick	SLU-STATICA	-1.6408	-0.9657	-55.35	-4.69
362	361	Shell-Thick	SLU-SISMICA	-16.9908	-5.1952	-74.03	-2.10
362	361	Shell-Thick	SLU-SISMICA	-17.2149	-5.6165	-74.17	-2.10
362	361	Shell-Thick	SLU-SISMICA	-2.3976	-1.9533	-74.17	-1.96
362	361	Shell-Thick	SLU-SISMICA	-2.1440	-1.5616	-74.03	-1.96
362	361	Shell-Thick	SLE-RARA	-9.7043	-2.8681	-41.94	-4.34
362	361	Shell-Thick	SLE-RARA	-10.0383	-3.6612	-42.65	-4.34
362	361	Shell-Thick	SLE-RARA	-1.5659	-1.5310	-42.65	-3.64

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362	361	Shell-Thick	SLE-RARA	-1.2443	-0.7263	-41.94	-3.64
362	361	Shell-Thick	SLE-FREQ.	-9.4698	-2.7932	-40.91	-4.41
362	361	Shell-Thick	SLE-FREQ.	-9.8073	-3.5982	-41.63	-4.41
362	361	Shell-Thick	SLE-FREQ.	-1.5392	-1.5174	-41.63	-3.69
362	361	Shell-Thick	SLE-FREQ.	-1.2153	-0.6994	-40.91	-3.69
362	361	Shell-Thick	SLE-QP	-8.7661	-2.5685	-37.81	-4.63
362	361	Shell-Thick	SLE-QP	-9.1143	-3.4094	-38.59	-4.63
362	361	Shell-Thick	SLE-QP	-1.4588	-1.4766	-38.59	-3.86
362	361	Shell-Thick	SLE-QP	-1.1285	-0.6188	-37.81	-3.86
363	362	Shell-Thick	SLU-STATICA	-1.0358	-0.9317	-71.62	-4.82
363	362	Shell-Thick	SLU-STATICA	-1.2639	-1.7556	-72.93	-4.82
363	362	Shell-Thick	SLU-STATICA	13.2151	1.6768	-72.93	-3.52
363	362	Shell-Thick	SLU-STATICA	13.4194	2.5232	-71.62	-3.52
363	362	Shell-Thick	SLU-SISMICA	-1.3861	-1.4133	-95.71	-1.97
363	362	Shell-Thick	SLU-SISMICA	-1.5947	-1.7895	-96.05	-1.97
363	362	Shell-Thick	SLU-SISMICA	17.5798	2.7082	-96.05	-1.62
363	362	Shell-Thick	SLU-SISMICA	17.8221	3.0504	-95.71	-1.62
363	362	Shell-Thick	SLE-RARA	-0.7848	-0.7026	-54.27	-3.75
363	362	Shell-Thick	SLE-RARA	-0.9597	-1.3416	-55.29	-3.75
363	362	Shell-Thick	SLE-RARA	10.0156	1.2612	-55.29	-2.73
363	362	Shell-Thick	SLE-RARA	10.1711	1.9185	-54.27	-2.73
363	362	Shell-Thick	SLE-FREQ.	-0.7655	-0.6797	-52.94	-3.80
363	362	Shell-Thick	SLE-FREQ.	-0.9392	-1.3271	-53.98	-3.80
363	362	Shell-Thick	SLE-FREQ.	9.7722	1.2146	-53.98	-2.77
363	362	Shell-Thick	SLE-FREQ.	9.9248	1.8821	-52.94	-2.77
363	362	Shell-Thick	SLE-QP	-0.7074	-0.6111	-48.94	-3.98
363	362	Shell-Thick	SLE-QP	-0.8779	-1.2839	-50.04	-3.98
363	362	Shell-Thick	SLE-QP	9.0417	1.0749	-50.04	-2.87
363	362	Shell-Thick	SLE-QP	9.1860	1.7728	-48.94	-2.87
364	363	Shell-Thick	SLU-STATICA	14.3441	2.5922	-88.19	-3.70
364	363	Shell-Thick	SLU-STATICA	14.5007	2.0498	-90.00	-3.70
364	363	Shell-Thick	SLU-STATICA	32.3538	6.0060	-90.00	-1.89
364	363	Shell-Thick	SLU-STATICA	32.1603	6.5834	-88.19	-1.89
364	363	Shell-Thick	SLU-SISMICA	18.9699	3.2681	-117.73	-1.64
364	363	Shell-Thick	SLU-SISMICA	18.9308	2.9902	-118.40	-1.64
364	363	Shell-Thick	SLU-SISMICA	42.5463	8.2114	-118.40	-0.97
364	363	Shell-Thick	SLU-SISMICA	42.6183	8.4558	-117.73	-0.97
364	363	Shell-Thick	SLE-RARA	10.8735	1.9682	-66.83	-2.87
364	363	Shell-Thick	SLE-RARA	10.9972	1.5482	-68.24	-2.87
364	363	Shell-Thick	SLE-RARA	24.5307	4.5474	-68.24	-1.47
364	363	Shell-Thick	SLE-RARA	24.3774	4.9956	-66.83	-1.47
364	363	Shell-Thick	SLE-FREQ.	10.6129	1.9264	-65.20	-2.91
364	363	Shell-Thick	SLE-FREQ.	10.7419	1.5018	-66.63	-2.91
364	363	Shell-Thick	SLE-FREQ.	23.9508	4.4295	-66.63	-1.48
364	363	Shell-Thick	SLE-FREQ.	23.7902	4.8842	-65.20	-1.48
364	363	Shell-Thick	SLE-QP	9.8311	1.8009	-60.28	-3.03
364	363	Shell-Thick	SLE-QP	9.9758	1.3626	-61.78	-3.03
364	363	Shell-Thick	SLE-QP	22.2111	4.0756	-61.78	-1.53
364	363	Shell-Thick	SLE-QP	22.0288	4.5501	-60.28	-1.53
365	364	Shell-Thick	SLU-STATICA	33.4709	6.6957	-105.09	-2.13
365	364	Shell-Thick	SLU-STATICA	34.2701	6.5390	-107.51	-2.13
365	364	Shell-Thick	SLU-STATICA	55.5761	10.9248	-107.51	0.30
365	364	Shell-Thick	SLU-STATICA	54.7214	11.1347	-105.09	0.30
365	364	Shell-Thick	SLU-SISMICA	44.2360	8.7536	-140.12	-1.01
365	364	Shell-Thick	SLU-SISMICA	44.6106	8.6500	-141.24	-1.01
365	364	Shell-Thick	SLU-SISMICA	72.7570	14.4787	-141.24	0.11
365	364	Shell-Thick	SLU-SISMICA	72.4092	14.5545	-140.12	0.11
365	364	Shell-Thick	SLE-RARA	25.3732	5.0778	-79.64	-1.65
365	364	Shell-Thick	SLE-RARA	25.9929	4.9569	-81.52	-1.65
365	364	Shell-Thick	SLE-RARA	42.1444	8.2809	-81.52	0.23
365	364	Shell-Thick	SLE-RARA	41.4807	8.4441	-79.64	0.23
365	364	Shell-Thick	SLE-FREQ.	24.7661	4.9594	-77.69	-1.67
365	364	Shell-Thick	SLE-FREQ.	25.3936	4.8380	-79.60	-1.67
365	364	Shell-Thick	SLE-FREQ.	41.1591	8.0814	-79.60	0.23
365	364	Shell-Thick	SLE-FREQ.	40.4852	8.2474	-77.69	0.23
365	364	Shell-Thick	SLE-QP	22.9446	4.6045	-71.85	-1.73
365	364	Shell-Thick	SLE-QP	23.5958	4.4814	-73.83	-1.73
365	364	Shell-Thick	SLE-QP	38.2030	7.4830	-73.83	0.25
365	364	Shell-Thick	SLE-QP	37.4986	7.6574	-71.85	0.25

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366	365 Shell-Thick	SLU-STATICA	55.8072	11.2874	107.27	0.19
366	365 Shell-Thick	SLU-STATICA	56.2942	11.1328	109.16	0.19
366	365 Shell-Thick	SLU-STATICA	34.6273	6.5901	109.16	-1.70
366	365 Shell-Thick	SLU-STATICA	34.1509	6.7360	107.27	-1.70
366	365 Shell-Thick	SLU-SISMICA	72.8644	14.5710	141.10	-6.551E-03
366	365 Shell-Thick	SLU-SISMICA	72.7819	14.5583	141.60	-6.551E-03
366	365 Shell-Thick	SLU-SISMICA	44.5270	8.6085	141.60	-0.51
366	365 Shell-Thick	SLU-SISMICA	44.5316	8.6996	141.10	-0.51
366	365 Shell-Thick	SLE-RARA	42.3236	8.5636	81.33	0.15
366	365 Shell-Thick	SLE-RARA	42.7075	8.4426	82.81	0.15
366	365 Shell-Thick	SLE-RARA	26.2748	4.9978	82.81	-1.32
366	365 Shell-Thick	SLE-RARA	25.9009	5.1104	81.33	-1.32
366	365 Shell-Thick	SLE-FREQ.	41.3406	8.3703	79.41	0.16
366	365 Shell-Thick	SLE-FREQ.	41.7395	8.2457	80.91	0.16
366	365 Shell-Thick	SLE-FREQ.	25.6873	4.8816	80.91	-1.35
366	365 Shell-Thick	SLE-FREQ.	25.3012	4.9949	79.41	-1.35
366	365 Shell-Thick	SLE-QP	38.3914	7.7902	73.64	0.17
366	365 Shell-Thick	SLE-QP	38.8353	7.6552	75.24	0.17
366	365 Shell-Thick	SLE-QP	23.9248	4.5329	75.24	-1.42
366	365 Shell-Thick	SLE-QP	23.5021	4.6483	73.64	-1.42
367	366 Shell-Thick	SLU-STATICA	32.5633	6.5135	89.84	-1.55
367	366 Shell-Thick	SLU-STATICA	32.5259	6.0749	91.13	-1.55
367	366 Shell-Thick	SLU-STATICA	14.4139	1.9020	91.13	-2.84
367	366 Shell-Thick	SLU-STATICA	14.4512	2.3420	89.84	-2.84
367	366 Shell-Thick	SLU-SISMICA	42.6042	8.2773	118.32	-0.58
367	366 Shell-Thick	SLU-SISMICA	42.2625	8.1925	118.39	-0.58
367	366 Shell-Thick	SLU-SISMICA	18.6089	2.7752	118.39	-0.65
367	366 Shell-Thick	SLU-SISMICA	18.8752	2.9355	118.32	-0.65
367	366 Shell-Thick	SLE-RARA	24.6939	4.9443	68.11	-1.20
367	366 Shell-Thick	SLE-RARA	24.6715	4.6018	69.12	-1.20
367	366 Shell-Thick	SLE-RARA	10.9356	1.4366	69.12	-2.22
367	366 Shell-Thick	SLE-RARA	10.9595	1.7786	68.11	-2.22
367	366 Shell-Thick	SLE-FREQ.	24.1174	4.8370	66.50	-1.22
367	366 Shell-Thick	SLE-FREQ.	24.1053	4.4863	67.54	-1.22
367	366 Shell-Thick	SLE-FREQ.	10.6886	1.3935	67.54	-2.27
367	366 Shell-Thick	SLE-FREQ.	10.7047	1.7414	66.50	-2.27
367	366 Shell-Thick	SLE-QP	22.3879	4.5152	61.65	-1.28
367	366 Shell-Thick	SLE-QP	22.4066	4.1395	62.78	-1.28
367	366 Shell-Thick	SLE-QP	9.9476	1.2642	62.78	-2.42
367	366 Shell-Thick	SLE-QP	9.9403	1.6297	61.65	-2.42
368	367 Shell-Thick	SLU-STATICA	13.3880	2.1992	72.82	-2.73
368	367 Shell-Thick	SLU-STATICA	13.1107	1.5716	73.66	-2.73
368	367 Shell-Thick	SLU-STATICA	-1.5468	-2.1022	73.66	-3.57
368	367 Shell-Thick	SLU-STATICA	-1.2749	-1.4684	72.82	-3.57
368	367 Shell-Thick	SLU-SISMICA	17.5779	2.6353	96.02	-0.72
368	367 Shell-Thick	SLU-SISMICA	17.2508	2.5443	95.83	-0.72
368	367 Shell-Thick	SLU-SISMICA	-1.9172	-2.1933	95.83	-0.52
368	367 Shell-Thick	SLU-SISMICA	-1.6566	-2.0359	96.02	-0.52
368	367 Shell-Thick	SLE-RARA	10.1514	1.6726	55.21	-2.13
368	367 Shell-Thick	SLE-RARA	9.9404	1.1820	55.87	-2.13
368	367 Shell-Thick	SLE-RARA	-1.1751	-1.6054	55.87	-2.79
368	367 Shell-Thick	SLE-RARA	-0.9670	-1.1112	55.21	-2.79
368	367 Shell-Thick	SLE-FREQ.	9.9123	1.6416	53.90	-2.18
368	367 Shell-Thick	SLE-FREQ.	9.7051	1.1381	54.58	-2.18
368	367 Shell-Thick	SLE-FREQ.	-1.1512	-1.5865	54.58	-2.86
368	367 Shell-Thick	SLE-FREQ.	-0.9448	-1.0814	53.90	-2.86
368	367 Shell-Thick	SLE-QP	9.1952	1.5487	49.95	-2.31
368	367 Shell-Thick	SLE-QP	8.9991	1.0065	50.72	-2.31
368	367 Shell-Thick	SLE-QP	-1.0796	-1.5297	50.72	-3.08
368	367 Shell-Thick	SLE-QP	-0.8782	-0.9921	49.95	-3.08
369	368 Shell-Thick	SLU-STATICA	-1.9262	-1.5491	56.19	-3.49
369	368 Shell-Thick	SLU-STATICA	-2.2629	-2.2949	56.70	-3.49
369	368 Shell-Thick	SLU-STATICA	-13.5574	-5.3265	56.70	-4.00
369	368 Shell-Thick	SLU-STATICA	-13.2277	-4.5731	56.19	-4.00
369	368 Shell-Thick	SLU-SISMICA	-2.4587	-2.2357	74.17	-0.59
369	368 Shell-Thick	SLU-SISMICA	-2.6193	-2.2943	73.85	-0.59
369	368 Shell-Thick	SLU-SISMICA	-17.4061	-6.1795	73.85	-0.27
369	368 Shell-Thick	SLU-SISMICA	-17.3003	-6.0664	74.17	-0.27
369	368 Shell-Thick	SLE-RARA	-1.4619	-1.1705	42.60	-2.73

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369	368	Shell-Thick	SLE-RARA	-1.7229	-1.7546	43.00	-2.73
369	368	Shell-Thick	SLE-RARA	-10.2877	-4.0552	43.00	-3.13
369	368	Shell-Thick	SLE-RARA	-10.0312	-3.4663	42.60	-3.10
369	368	Shell-Thick	SLE-FREQ.	-1.4299	-1.1362	41.58	-2.80
369	368	Shell-Thick	SLE-FREQ.	-1.6941	-1.7373	42.01	-2.80
369	368	Shell-Thick	SLE-FREQ.	-10.0586	-3.9869	42.01	-3.22
369	368	Shell-Thick	SLE-FREQ.	-9.7972	-3.3826	41.58	-3.22
369	368	Shell-Thick	SLE-QP	-1.3336	-1.0334	38.53	-3.00
369	368	Shell-Thick	SLE-QP	-1.6075	-1.6851	39.03	-3.00
369	368	Shell-Thick	SLE-QP	-9.3712	-3.7817	39.03	-3.50
369	368	Shell-Thick	SLE-QP	-9.0953	-3.1315	38.53	-3.50
370	369	Shell-Thick	SLU-STATICA	-13.5872	-4.6116	39.89	-3.95
370	369	Shell-Thick	SLU-STATICA	-13.8897	-5.4264	40.17	-3.95
370	369	Shell-Thick	SLU-STATICA	-21.8985	-7.6932	40.17	-4.23
370	369	Shell-Thick	SLU-STATICA	-21.6023	-6.8718	39.89	-4.23
370	369	Shell-Thick	SLU-SISMICA	-17.7495	-6.1898	52.69	-0.33
370	369	Shell-Thick	SLU-SISMICA	-17.6923	-6.2032	52.37	-0.33
370	369	Shell-Thick	SLU-SISMICA	-28.1870	-9.0986	52.37	-7.172E-03
370	369	Shell-Thick	SLU-SISMICA	-28.2843	-9.0454	52.69	-7.172E-03
370	369	Shell-Thick	SLE-RARA	-10.3042	-3.4940	30.24	-3.09
370	369	Shell-Thick	SLE-RARA	-10.5428	-4.1332	30.46	-3.09
370	369	Shell-Thick	SLE-RARA	-16.6158	-5.8536	30.46	-3.32
370	369	Shell-Thick	SLE-RARA	-16.3814	-5.2100	30.24	-3.32
370	369	Shell-Thick	SLE-FREQ.	-10.0646	-3.4072	29.51	-3.18
370	369	Shell-Thick	SLE-FREQ.	-10.3126	-4.0665	29.76	-3.18
370	369	Shell-Thick	SLE-FREQ.	-16.2433	-5.7491	29.76	-3.42
370	369	Shell-Thick	SLE-FREQ.	-15.9983	-5.0866	29.51	-3.42
370	369	Shell-Thick	SLE-QP	-9.3456	-3.1469	27.35	-3.45
370	369	Shell-Thick	SLE-QP	-9.6222	-3.8666	27.64	-3.45
370	369	Shell-Thick	SLE-QP	-15.1259	-5.4358	27.64	-3.74
370	369	Shell-Thick	SLE-QP	-14.8489	-4.7162	27.35	-3.74
371	370	Shell-Thick	SLU-STATICA	-21.7760	-6.8861	23.83	-4.20
371	370	Shell-Thick	SLU-STATICA	-22.0182	-7.7376	23.96	-4.20
371	370	Shell-Thick	SLU-STATICA	-26.7993	-9.1375	23.96	-4.33
371	370	Shell-Thick	SLU-STATICA	-26.5613	-8.2816	23.83	-4.33
371	370	Shell-Thick	SLU-SISMICA	-28.5060	-9.1140	31.49	-4.771E-02
371	370	Shell-Thick	SLU-SISMICA	-28.2583	-9.0885	31.27	-4.771E-02
371	370	Shell-Thick	SLU-SISMICA	-34.5273	-10.8698	31.27	0.18
371	370	Shell-Thick	SLU-SISMICA	-34.7997	-10.8708	31.49	0.18
371	370	Shell-Thick	SLE-RARA	-16.5132	-5.2198	18.06	-3.29
371	370	Shell-Thick	SLE-RARA	-16.7083	-5.8886	18.17	-3.29
371	370	Shell-Thick	SLE-RARA	-20.3337	-6.9513	18.17	-3.40
371	370	Shell-Thick	SLE-RARA	-20.1414	-6.2795	18.06	-3.40
371	370	Shell-Thick	SLE-FREQ.	-16.1272	-5.0945	17.63	-3.40
371	370	Shell-Thick	SLE-FREQ.	-16.3365	-5.7856	17.75	-3.40
371	370	Shell-Thick	SLE-FREQ.	-19.8768	-6.8251	17.75	-3.52
371	370	Shell-Thick	SLE-FREQ.	-19.6696	-6.1317	17.63	-3.52
371	370	Shell-Thick	SLE-QP	-14.9691	-4.7184	16.33	-3.71
371	370	Shell-Thick	SLE-QP	-15.2212	-5.4766	16.49	-3.71
371	370	Shell-Thick	SLE-QP	-18.5062	-6.4467	16.49	-3.87
371	370	Shell-Thick	SLE-QP	-18.2542	-5.6883	16.33	-3.87
372	371	Shell-Thick	SLU-STATICA	-26.6276	-8.2851	7.93	-4.32
372	371	Shell-Thick	SLU-STATICA	-26.8276	-9.1529	7.97	-4.32
372	371	Shell-Thick	SLU-STATICA	-28.4173	-9.6279	7.97	-4.36
372	371	Shell-Thick	SLU-STATICA	-28.2188	-8.7586	7.93	-4.36
372	371	Shell-Thick	SLU-SISMICA	-34.8863	-10.9009	10.48	0.16
372	371	Shell-Thick	SLU-SISMICA	-34.5260	-10.8568	10.40	0.16
372	371	Shell-Thick	SLU-SISMICA	-36.6111	-11.4621	10.40	0.24
372	371	Shell-Thick	SLU-SISMICA	-36.9795	-11.4982	10.48	0.24
372	371	Shell-Thick	SLE-RARA	-20.1917	-6.2817	6.01	-3.39
372	371	Shell-Thick	SLE-RARA	-20.3560	-6.9636	6.04	-3.39
372	371	Shell-Thick	SLE-RARA	-21.5613	-7.3241	6.04	-3.43
372	371	Shell-Thick	SLE-RARA	-21.3981	-6.6412	6.01	-3.43
372	371	Shell-Thick	SLE-FREQ.	-19.7187	-6.1330	5.86	-3.51
372	371	Shell-Thick	SLE-FREQ.	-19.8998	-6.8383	5.90	-3.51
372	371	Shell-Thick	SLE-FREQ.	-21.0769	-7.1909	5.90	-3.54
372	371	Shell-Thick	SLE-FREQ.	-20.8966	-6.4848	5.86	-3.54
372	371	Shell-Thick	SLE-QP	-18.2997	-5.6869	5.43	-3.85
372	371	Shell-Thick	SLE-QP	-18.5315	-6.4623	5.48	-3.85

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372	371 Shell-Thick	SLE-QP	-19.6236	-6.7913	5.48	-3.90
372	371 Shell-Thick	SLE-QP	-19.3919	-6.0158	5.43	-3.90
373	372 Shell-Thick	SLU-STATICA	-28.2188	-8.7586	-7.93	-4.36
373	372 Shell-Thick	SLU-STATICA	-28.4173	-9.6279	-7.97	-4.36
373	372 Shell-Thick	SLU-STATICA	-26.8276	-9.1529	-7.97	-4.32
373	372 Shell-Thick	SLU-STATICA	-26.6276	-8.2851	-7.93	-4.32
373	372 Shell-Thick	SLU-SISMICA	-36.9795	-11.4982	-10.48	0.24
373	372 Shell-Thick	SLU-SISMICA	-36.6111	-11.4621	-10.40	0.24
373	372 Shell-Thick	SLU-SISMICA	-34.5260	-10.8568	-10.40	0.16
373	372 Shell-Thick	SLU-SISMICA	-34.8863	-10.9009	-10.48	0.16
373	372 Shell-Thick	SLE-RARA	-21.3981	-6.6412	-6.01	-3.43
373	372 Shell-Thick	SLE-RARA	-21.5613	-7.3241	-6.04	-3.43
373	372 Shell-Thick	SLE-RARA	-20.3560	-6.9636	-6.04	-3.39
373	372 Shell-Thick	SLE-RARA	-20.1917	-6.2817	-6.01	-3.39
373	372 Shell-Thick	SLE-FREQ.	-20.8966	-6.4848	-5.86	-3.54
373	372 Shell-Thick	SLE-FREQ.	-21.0769	-7.1909	-5.90	-3.54
373	372 Shell-Thick	SLE-FREQ.	-19.8998	-6.8383	-5.90	-3.51
373	372 Shell-Thick	SLE-FREQ.	-19.7187	-6.1330	-5.86	-3.51
373	372 Shell-Thick	SLE-QP	-19.3919	-6.0158	-5.43	-3.90
373	372 Shell-Thick	SLE-QP	-19.6236	-6.7913	-5.48	-3.90
373	372 Shell-Thick	SLE-QP	-18.5315	-6.4623	-5.48	-3.85
373	372 Shell-Thick	SLE-QP	-18.2997	-5.6869	-5.43	-3.85
374	373 Shell-Thick	SLU-STATICA	-26.5613	-8.2816	-23.83	-4.33
374	373 Shell-Thick	SLU-STATICA	-26.7993	-9.1375	-23.96	-4.33
374	373 Shell-Thick	SLU-STATICA	-22.0182	-7.7376	-23.96	-4.20
374	373 Shell-Thick	SLU-STATICA	-21.7760	-6.8861	-23.83	-4.20
374	373 Shell-Thick	SLU-SISMICA	-34.7997	-10.8708	-31.49	0.18
374	373 Shell-Thick	SLU-SISMICA	-34.5273	-10.8698	-31.27	0.18
374	373 Shell-Thick	SLU-SISMICA	-28.2583	-9.0885	-31.27	-4.771E-02
374	373 Shell-Thick	SLU-SISMICA	-28.5060	-9.1140	-31.49	-4.771E-02
374	373 Shell-Thick	SLE-RARA	-20.1414	-6.2795	-18.06	-3.40
374	373 Shell-Thick	SLE-RARA	-20.3337	-6.9513	-18.17	-3.40
374	373 Shell-Thick	SLE-RARA	-16.7083	-5.8886	-18.17	-3.29
374	373 Shell-Thick	SLE-RARA	-16.5132	-5.2198	-18.06	-3.29
374	373 Shell-Thick	SLE-FREQ.	-19.6696	-6.1317	-17.63	-3.52
374	373 Shell-Thick	SLE-FREQ.	-19.8768	-6.8251	-17.75	-3.52
374	373 Shell-Thick	SLE-FREQ.	-16.3365	-5.7856	-17.75	-3.40
374	373 Shell-Thick	SLE-FREQ.	-16.1272	-5.0945	-17.63	-3.40
374	373 Shell-Thick	SLE-QP	-18.2542	-5.6883	-16.33	-3.87
374	373 Shell-Thick	SLE-QP	-18.5062	-6.4467	-16.49	-3.87
374	373 Shell-Thick	SLE-QP	-15.2212	-5.4766	-16.49	-3.71
374	373 Shell-Thick	SLE-QP	-14.9691	-4.7184	-16.33	-3.71
375	374 Shell-Thick	SLU-STATICA	-21.6023	-6.8718	-39.89	-4.23
375	374 Shell-Thick	SLU-STATICA	-21.8985	-7.6932	-40.17	-4.23
375	374 Shell-Thick	SLU-STATICA	-13.8897	-5.4264	-40.17	-3.95
375	374 Shell-Thick	SLU-STATICA	-13.5872	-4.6116	-39.89	-3.95
375	374 Shell-Thick	SLU-SISMICA	-28.2843	-9.0454	-52.69	-7.172E-03
375	374 Shell-Thick	SLU-SISMICA	-28.1870	-9.0986	-52.37	-7.172E-03
375	374 Shell-Thick	SLU-SISMICA	-17.6923	-6.2032	-52.37	-0.33
375	374 Shell-Thick	SLU-SISMICA	-17.7495	-6.1898	-52.69	-0.33
375	374 Shell-Thick	SLE-RARA	-16.3814	-5.2100	-30.24	-3.32
375	374 Shell-Thick	SLE-RARA	-16.6158	-5.8536	-30.46	-3.32
375	374 Shell-Thick	SLE-RARA	-10.5428	-4.1332	-30.46	-3.09
375	374 Shell-Thick	SLE-RARA	-10.3042	-3.4940	-30.24	-3.09
375	374 Shell-Thick	SLE-FREQ.	-15.9983	-5.0866	-29.51	-3.42
375	374 Shell-Thick	SLE-FREQ.	-16.2433	-5.7491	-29.76	-3.42
375	374 Shell-Thick	SLE-FREQ.	-10.3126	-4.0665	-29.76	-3.18
375	374 Shell-Thick	SLE-FREQ.	-10.0646	-3.4072	-29.51	-3.18
375	374 Shell-Thick	SLE-QP	-14.8489	-4.7162	-27.35	-3.74
375	374 Shell-Thick	SLE-QP	-15.1259	-5.4358	-27.64	-3.74
375	374 Shell-Thick	SLE-QP	-9.6222	-3.8666	-27.64	-3.45
375	374 Shell-Thick	SLE-QP	-9.3456	-3.1469	-27.35	-3.45
376	375 Shell-Thick	SLU-STATICA	-13.2277	-4.5731	-56.19	-4.00
376	375 Shell-Thick	SLU-STATICA	-13.5574	-5.3265	-56.70	-4.00
376	375 Shell-Thick	SLU-STATICA	-2.2629	-2.2949	-56.70	-3.49
376	375 Shell-Thick	SLU-STATICA	-1.9262	-1.5491	-56.19	-3.49
376	375 Shell-Thick	SLU-SISMICA	-17.3003	-6.0664	-74.17	-0.27
376	375 Shell-Thick	SLU-SISMICA	-17.4061	-6.1795	-73.85	-0.27
376	375 Shell-Thick	SLU-SISMICA	-2.6193	-2.2943	-73.85	-0.59

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376	375	Shell-Thick	SLU-SISMICA	-2.4587	-2.2357	-74.17	-0.59
376	375	Shell-Thick	SLE-RARA	-10.0312	-3.4663	-42.60	-3.13
376	375	Shell-Thick	SLE-RARA	-10.2877	-4.0552	-43.00	-3.13
376	375	Shell-Thick	SLE-RARA	-1.7229	-1.7546	-43.00	-2.73
376	375	Shell-Thick	SLE-RARA	-1.4619	-1.1705	-42.60	-2.73
376	375	Shell-Thick	SLE-FREQ.	-9.7972	-3.3826	-41.58	-3.22
376	375	Shell-Thick	SLE-FREQ.	-10.0586	-3.9869	-42.01	-3.22
376	375	Shell-Thick	SLE-FREQ.	-1.6941	-1.7373	-42.01	-2.80
376	375	Shell-Thick	SLE-FREQ.	-1.4299	-1.1362	-41.58	-2.80
376	375	Shell-Thick	SLE-QP	-9.0953	-3.1315	-38.53	-3.50
376	375	Shell-Thick	SLE-QP	-9.3712	-3.7817	-39.03	-3.50
376	375	Shell-Thick	SLE-QP	-1.6075	-1.6851	-39.03	-3.00
376	375	Shell-Thick	SLE-QP	-1.3336	-1.0334	-38.53	-3.00
377	376	Shell-Thick	SLU-STATICA	-1.2749	-1.4684	-72.82	-3.57
377	376	Shell-Thick	SLU-STATICA	-1.5468	-2.1022	-73.66	-3.57
377	376	Shell-Thick	SLU-STATICA	13.1107	1.5716	-73.66	-2.73
377	376	Shell-Thick	SLU-STATICA	13.3880	2.1992	-72.82	-2.73
377	376	Shell-Thick	SLU-SISMICA	-1.6566	-2.0359	-96.02	-0.52
377	376	Shell-Thick	SLU-SISMICA	-1.9172	-2.1933	-95.83	-0.52
377	376	Shell-Thick	SLU-SISMICA	17.2508	2.5443	-95.83	-0.72
377	376	Shell-Thick	SLU-SISMICA	17.5779	2.6353	-96.02	-0.72
377	376	Shell-Thick	SLE-RARA	-0.9670	-1.1112	-55.21	-2.79
377	376	Shell-Thick	SLE-RARA	-1.1751	-1.6054	-55.87	-2.79
377	376	Shell-Thick	SLE-RARA	9.9404	1.1820	-55.87	-2.13
377	376	Shell-Thick	SLE-RARA	10.1514	1.6726	-55.21	-2.13
377	376	Shell-Thick	SLE-FREQ.	-0.9448	-1.0814	-53.90	-2.86
377	376	Shell-Thick	SLE-FREQ.	-1.1512	-1.5865	-54.58	-2.86
377	376	Shell-Thick	SLE-FREQ.	9.7051	1.1381	-54.58	-2.18
377	376	Shell-Thick	SLE-FREQ.	9.9123	1.6416	-53.90	-2.18
377	376	Shell-Thick	SLE-QP	-0.8782	-0.9921	-49.95	-3.08
377	376	Shell-Thick	SLE-QP	-1.0796	-1.5297	-50.72	-3.08
377	376	Shell-Thick	SLE-QP	8.9991	1.0065	-50.72	-2.31
377	376	Shell-Thick	SLE-QP	9.1952	1.5487	-49.95	-2.31
378	377	Shell-Thick	SLU-STATICA	14.4512	2.3420	-89.84	-2.84
378	377	Shell-Thick	SLU-STATICA	14.4139	1.9020	-91.13	-2.84
378	377	Shell-Thick	SLU-STATICA	32.5259	6.0749	-91.13	-1.55
378	377	Shell-Thick	SLU-STATICA	32.5633	6.5135	-89.84	-1.55
378	377	Shell-Thick	SLU-SISMICA	18.8752	2.9355	-118.32	-0.65
378	377	Shell-Thick	SLU-SISMICA	18.6090	2.7752	-118.39	-0.65
378	377	Shell-Thick	SLU-SISMICA	42.2626	8.1925	-118.39	-0.58
378	377	Shell-Thick	SLU-SISMICA	42.6042	8.2773	-118.32	-0.58
378	377	Shell-Thick	SLE-RARA	10.9595	1.7786	-68.11	-2.22
378	377	Shell-Thick	SLE-RARA	10.9356	1.4366	-69.12	-2.22
378	377	Shell-Thick	SLE-RARA	24.6715	4.6018	-69.12	-1.20
378	377	Shell-Thick	SLE-RARA	24.6939	4.9443	-68.11	-1.20
378	377	Shell-Thick	SLE-FREQ.	10.7047	1.7414	-66.50	-2.27
378	377	Shell-Thick	SLE-FREQ.	10.6886	1.3935	-67.54	-2.27
378	377	Shell-Thick	SLE-FREQ.	24.1053	4.4863	-67.54	-1.22
378	377	Shell-Thick	SLE-FREQ.	24.1174	4.8370	-66.50	-1.22
378	377	Shell-Thick	SLE-QP	9.9403	1.6297	-61.65	-2.42
378	377	Shell-Thick	SLE-QP	9.9476	1.2642	-62.78	-2.42
378	377	Shell-Thick	SLE-QP	22.4066	4.1395	-62.78	-1.28
378	377	Shell-Thick	SLE-QP	22.3879	4.5152	-61.65	-1.28
379	378	Shell-Thick	SLU-STATICA	34.1509	6.7360	-107.27	-1.70
379	378	Shell-Thick	SLU-STATICA	34.6273	6.5901	-109.16	-1.70
379	378	Shell-Thick	SLU-STATICA	56.2942	11.1328	-109.16	0.19
379	378	Shell-Thick	SLU-STATICA	55.8072	11.2874	-107.27	0.19
379	378	Shell-Thick	SLU-SISMICA	44.5316	8.6996	-141.10	-0.51
379	378	Shell-Thick	SLU-SISMICA	44.5270	8.6085	-141.60	-0.51
379	378	Shell-Thick	SLU-SISMICA	72.7819	14.5583	-141.60	-6.551E-03
379	378	Shell-Thick	SLU-SISMICA	72.8644	14.5710	-141.10	-6.551E-03
379	378	Shell-Thick	SLE-RARA	25.9009	5.1104	-81.33	-1.32
379	378	Shell-Thick	SLE-RARA	26.2748	4.9978	-82.81	-1.32
379	378	Shell-Thick	SLE-RARA	42.7075	8.4426	-82.81	0.15
379	378	Shell-Thick	SLE-RARA	42.3236	8.5636	-81.33	0.15
379	378	Shell-Thick	SLE-FREQ.	25.3012	4.9949	-79.41	-1.35
379	378	Shell-Thick	SLE-FREQ.	25.6873	4.8816	-80.91	-1.35
379	378	Shell-Thick	SLE-FREQ.	41.7395	8.2457	-80.91	0.16
379	378	Shell-Thick	SLE-FREQ.	41.3406	8.3703	-79.41	0.16



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379	378	Shell-Thick	SLE-QP	23.5021	4.6483	-73.64	-1.42
379	378	Shell-Thick	SLE-QP	23.9248	4.5329	-75.24	-1.42
379	378	Shell-Thick	SLE-QP	38.8353	7.6552	-75.24	0.17
379	378	Shell-Thick	SLE-QP	38.3914	7.7902	-73.64	0.17
380	379	Shell-Thick	SLU-STATICA	56.4667	11.3361	108.96	6.403E-02
380	379	Shell-Thick	SLU-STATICA	56.4593	11.2491	110.17	6.403E-02
380	379	Shell-Thick	SLU-STATICA	34.5492	6.5567	110.17	-1.15
380	379	Shell-Thick	SLU-STATICA	34.5147	6.6867	108.96	-1.15
380	379	Shell-Thick	SLU-SISMICA	72.8218	14.4660	141.50	-0.16
380	379	Shell-Thick	SLU-SISMICA	72.1616	14.5307	141.23	-0.16
380	379	Shell-Thick	SLU-SISMICA	43.9338	8.4708	141.23	0.12
380	379	Shell-Thick	SLU-SISMICA	44.4557	8.5440	141.50	0.12
380	379	Shell-Thick	SLE-RARA	42.8421	8.6040	82.65	5.344E-02
380	379	Shell-Thick	SLE-RARA	42.8496	8.5344	83.60	5.344E-02
380	379	Shell-Thick	SLE-RARA	26.2255	4.9743	83.60	-0.90
380	379	Shell-Thick	SLE-RARA	26.1879	5.0749	82.65	-0.90
380	379	Shell-Thick	SLE-FREQ.	41.8771	8.4153	80.75	6.026E-02
380	379	Shell-Thick	SLE-FREQ.	41.9061	8.3414	81.75	6.026E-02
380	379	Shell-Thick	SLE-FREQ.	25.6555	4.8618	81.75	-0.94
380	379	Shell-Thick	SLE-FREQ.	25.5999	4.9632	80.75	-0.94
380	379	Shell-Thick	SLE-QP	38.9821	7.8492	75.07	8.069E-02
380	379	Shell-Thick	SLE-QP	39.0756	7.7624	76.19	8.069E-02
380	379	Shell-Thick	SLE-QP	23.9455	4.5242	76.19	-1.03
380	379	Shell-Thick	SLE-QP	23.8359	4.6283	75.07	-1.03
381	380	Shell-Thick	SLU-STATICA	32.6561	6.3449	91.01	-1.11
381	380	Shell-Thick	SLU-STATICA	32.3223	6.0814	91.65	-1.11
381	380	Shell-Thick	SLU-STATICA	14.0623	1.6759	91.65	-1.74
381	380	Shell-Thick	SLU-STATICA	14.3538	1.9823	91.01	-1.74
381	380	Shell-Thick	SLU-SISMICA	42.2290	7.9877	118.37	-6.768E-02
381	380	Shell-Thick	SLU-SISMICA	41.5422	8.1034	117.69	-6.768E-02
381	380	Shell-Thick	SLU-SISMICA	17.9774	2.4666	117.69	0.61
381	380	Shell-Thick	SLU-SISMICA	18.5411	2.4732	118.37	0.61
381	380	Shell-Thick	SLE-RARA	24.7743	4.8179	69.03	-0.87
381	380	Shell-Thick	SLE-RARA	24.5263	4.6087	69.54	-0.87
381	380	Shell-Thick	SLE-RARA	10.6725	1.2653	69.54	-1.38
381	380	Shell-Thick	SLE-RARA	10.8898	1.5057	69.03	-1.38
381	380	Shell-Thick	SLE-FREQ.	24.2125	4.7159	67.44	-0.89
381	380	Shell-Thick	SLE-FREQ.	23.9786	4.4963	67.99	-0.89
381	380	Shell-Thick	SLE-FREQ.	10.4373	1.2267	67.99	-1.44
381	380	Shell-Thick	SLE-FREQ.	10.6435	1.4746	67.44	-1.44
381	380	Shell-Thick	SLE-QP	22.5270	4.4098	62.68	-0.97
381	380	Shell-Thick	SLE-QP	22.3354	4.1588	63.35	-0.97
381	380	Shell-Thick	SLE-QP	9.7319	1.1107	63.35	-1.64
381	380	Shell-Thick	SLE-QP	9.9047	1.3811	62.68	-1.64
382	381	Shell-Thick	SLU-STATICA	13.1861	1.7636	73.60	-1.72
382	381	Shell-Thick	SLU-STATICA	12.8253	1.4136	73.84	-1.72
382	381	Shell-Thick	SLU-STATICA	-1.9119	-2.5171	73.84	-1.97
382	381	Shell-Thick	SLU-STATICA	-1.5891	-2.1289	73.60	-1.97
382	381	Shell-Thick	SLU-SISMICA	17.1365	2.0890	95.86	0.44
382	381	Shell-Thick	SLU-SISMICA	16.7125	2.3169	94.98	0.44
382	381	Shell-Thick	SLU-SISMICA	-2.3350	-2.6724	94.98	1.32
382	381	Shell-Thick	SLU-SISMICA	-2.0148	-2.7974	95.86	1.32
382	381	Shell-Thick	SLE-RARA	10.0018	1.3418	55.82	-1.36
382	381	Shell-Thick	SLE-RARA	9.7272	1.0626	56.03	-1.36
382	381	Shell-Thick	SLE-RARA	-1.4532	-1.9214	56.03	-1.57
382	381	Shell-Thick	SLE-RARA	-1.2063	-1.6142	55.82	-1.57
382	381	Shell-Thick	SLE-FREQ.	9.7722	1.3178	54.53	-1.42
382	381	Shell-Thick	SLE-FREQ.	9.5024	1.0222	54.78	-1.42
382	381	Shell-Thick	SLE-FREQ.	-1.4248	-1.8972	54.78	-1.66
382	381	Shell-Thick	SLE-FREQ.	-1.1803	-1.5761	54.53	-1.66
382	381	Shell-Thick	SLE-QP	9.0832	1.2456	50.67	-1.59
382	381	Shell-Thick	SLE-QP	8.8279	0.9011	51.01	-1.59
382	381	Shell-Thick	SLE-QP	-1.3397	-1.8247	51.01	-1.94
382	381	Shell-Thick	SLE-QP	-1.1023	-1.4618	50.67	-1.94
383	382	Shell-Thick	SLU-STATICA	-2.2428	-2.2547	56.68	-1.96
383	382	Shell-Thick	SLU-STATICA	-2.4649	-2.6327	56.69	-1.96
383	382	Shell-Thick	SLU-STATICA	-13.7949	-5.9085	56.69	-1.97
383	382	Shell-Thick	SLU-STATICA	-13.6039	-5.4995	56.68	-1.97
383	382	Shell-Thick	SLU-SISMICA	-2.8077	-3.0460	73.90	1.17

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383	382	Shell-Thick	SLU-SISMICA	-2.8345	-2.6823	73.02	1.17
383	382	Shell-Thick	SLU-SISMICA	-17.4978	-6.8190	73.02	2.06
383	382	Shell-Thick	SLU-SISMICA	-17.5526	-7.1020	73.90	2.06
383	382	Shell-Thick	SLE-RARA	-1.7034	-1.7079	42.98	-1.56
383	382	Shell-Thick	SLE-RARA	-1.8771	-2.0118	43.01	-1.56
383	382	Shell-Thick	SLE-RARA	-10.4723	-4.4991	43.01	-1.59
383	382	Shell-Thick	SLE-RARA	-10.3213	-4.1724	42.98	-1.59
383	382	Shell-Thick	SLE-FREQ.	-1.6678	-1.6648	41.99	-1.65
383	382	Shell-Thick	SLE-FREQ.	-1.8463	-1.9903	42.04	-1.65
383	382	Shell-Thick	SLE-FREQ.	-10.2462	-4.4244	42.04	-1.71
383	382	Shell-Thick	SLE-FREQ.	-10.0886	-4.0781	41.99	-1.71
383	382	Shell-Thick	SLE-QP	-1.5612	-1.5356	39.00	-1.91
383	382	Shell-Thick	SLE-QP	-1.7538	-1.9255	39.15	-1.91
383	382	Shell-Thick	SLE-QP	-9.5678	-4.2004	39.15	-2.06
383	382	Shell-Thick	SLE-QP	-9.3903	-3.7952	39.00	-2.06
384	383	Shell-Thick	SLU-STATICA	-13.9172	-5.5627	40.17	-1.97
384	383	Shell-Thick	SLU-STATICA	-13.9433	-5.9377	40.08	-1.97
384	383	Shell-Thick	SLU-STATICA	-21.9629	-8.3966	40.08	-1.88
384	383	Shell-Thick	SLU-STATICA	-21.9594	-7.9991	40.17	-1.88
384	383	Shell-Thick	SLU-SISMICA	-17.9389	-7.2514	52.42	1.94
384	383	Shell-Thick	SLU-SISMICA	-17.5604	-6.7594	51.68	1.94
384	383	Shell-Thick	SLU-SISMICA	-27.9500	-9.8500	51.68	2.69
384	383	Shell-Thick	SLU-SISMICA	-28.3871	-10.2840	52.42	2.69
384	383	Shell-Thick	SLE-RARA	-10.5593	-4.2190	30.46	-1.59
384	383	Shell-Thick	SLE-RARA	-10.5875	-4.5231	30.41	-1.59
384	383	Shell-Thick	SLE-RARA	-16.6712	-6.3904	30.41	-1.53
384	383	Shell-Thick	SLE-RARA	-16.6596	-6.0697	30.46	-1.53
384	383	Shell-Thick	SLE-FREQ.	-10.3218	-4.1213	29.76	-1.70
384	383	Shell-Thick	SLE-FREQ.	-10.3631	-4.4512	29.72	-1.70
384	383	Shell-Thick	SLE-FREQ.	-16.3081	-6.2790	29.72	-1.67
384	383	Shell-Thick	SLE-FREQ.	-16.2821	-5.9340	29.76	-1.67
384	383	Shell-Thick	SLE-QP	-9.6092	-3.8285	27.63	-2.04
384	383	Shell-Thick	SLE-QP	-9.6897	-4.2352	27.67	-2.04
384	383	Shell-Thick	SLE-QP	-15.2190	-5.9450	27.67	-2.08
384	383	Shell-Thick	SLE-QP	-15.1496	-5.5270	27.63	-2.08
385	384	Shell-Thick	SLU-STATICA	-22.0798	-8.0256	23.97	-1.89
385	384	Shell-Thick	SLU-STATICA	-21.9311	-8.3878	23.88	-1.89
385	384	Shell-Thick	SLU-STATICA	-26.7129	-9.9141	23.88	-1.80
385	384	Shell-Thick	SLU-STATICA	-26.8754	-9.5382	23.97	-1.80
385	384	Shell-Thick	SLU-SISMICA	-28.5408	-10.3651	31.31	2.60
385	384	Shell-Thick	SLU-SISMICA	-27.8388	-9.7774	30.81	2.60
385	384	Shell-Thick	SLU-SISMICA	-34.0383	-11.6928	30.81	3.10
385	384	Shell-Thick	SLU-SISMICA	-34.7753	-12.2459	31.31	3.10
385	384	Shell-Thick	SLE-RARA	-16.7509	-6.0888	18.18	-1.54
385	384	Shell-Thick	SLE-RARA	-16.6484	-6.3850	18.12	-1.54
385	384	Shell-Thick	SLE-RARA	-20.2758	-7.5440	18.12	-1.47
385	384	Shell-Thick	SLE-RARA	-20.3884	-7.2379	18.18	-1.47
385	384	Shell-Thick	SLE-FREQ.	-16.3714	-5.9512	17.76	-1.67
385	384	Shell-Thick	SLE-FREQ.	-16.2882	-6.2758	17.71	-1.67
385	384	Shell-Thick	SLE-FREQ.	-19.8328	-7.4105	17.71	-1.62
385	384	Shell-Thick	SLE-FREQ.	-19.9253	-7.0767	17.76	-1.62
385	384	Shell-Thick	SLE-QP	-15.2330	-5.5382	16.49	-2.07
385	384	Shell-Thick	SLE-QP	-15.2076	-5.9482	16.48	-2.07
385	384	Shell-Thick	SLE-QP	-18.5038	-7.0099	16.48	-2.06
385	384	Shell-Thick	SLE-QP	-18.5360	-6.5931	16.49	-2.06
386	385	Shell-Thick	SLU-STATICA	-26.9081	-9.5466	7.97	-1.80
386	385	Shell-Thick	SLU-STATICA	-26.6574	-9.9011	7.93	-1.80
386	385	Shell-Thick	SLU-STATICA	-28.2462	-10.4167	7.93	-1.76
386	385	Shell-Thick	SLU-STATICA	-28.5015	-10.0577	7.97	-1.76
386	385	Shell-Thick	SLU-SISMICA	-34.8199	-12.2807	10.41	3.05
386	385	Shell-Thick	SLU-SISMICA	-33.9364	-11.6465	10.24	3.05
386	385	Shell-Thick	SLU-SISMICA	-35.9969	-12.2912	10.24	3.22
386	385	Shell-Thick	SLU-SISMICA	-36.8923	-12.9137	10.41	3.22
386	385	Shell-Thick	SLE-RARA	-20.4132	-7.2438	6.04	-1.48
386	385	Shell-Thick	SLE-RARA	-20.2343	-7.5348	6.02	-1.48
386	385	Shell-Thick	SLE-RARA	-21.4395	-7.9264	6.02	-1.45
386	385	Shell-Thick	SLE-RARA	-21.6218	-7.6321	6.04	-1.45
386	385	Shell-Thick	SLE-FREQ.	-19.9494	-7.0816	5.90	-1.62
386	385	Shell-Thick	SLE-FREQ.	-19.7932	-7.4024	5.88	-1.62



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386	385 Shell-Thick	SLE-FREQ.	-20.9709	-7.7859	5.88	-1.60
386	385 Shell-Thick	SLE-FREQ.	-21.1302	-7.4621	5.90	-1.60
386	385 Shell-Thick	SLE-QP	-18.5582	-6.5953	5.48	-2.06
386	385 Shell-Thick	SLE-QP	-18.4701	-7.0054	5.47	-2.06
386	385 Shell-Thick	SLE-QP	-19.5652	-7.3644	5.47	-2.05
386	385 Shell-Thick	SLE-QP	-19.6556	-6.9520	5.48	-2.05
387	386 Shell-Thick	SLU-STATICA	-28.5015	-10.0577	-7.97	-1.76
387	386 Shell-Thick	SLU-STATICA	-28.2462	-10.4167	-7.93	-1.76
387	386 Shell-Thick	SLU-STATICA	-26.6574	-9.9011	-7.93	-1.80
387	386 Shell-Thick	SLU-STATICA	-26.9081	-9.5466	-7.97	-1.80
387	386 Shell-Thick	SLU-SISMICA	-36.8923	-12.9137	-10.41	3.22
387	386 Shell-Thick	SLU-SISMICA	-35.9969	-12.2912	-10.24	3.22
387	386 Shell-Thick	SLU-SISMICA	-33.9364	-11.6465	-10.24	3.05
387	386 Shell-Thick	SLU-SISMICA	-34.8199	-12.2807	-10.41	3.05
387	386 Shell-Thick	SLE-RARA	-21.6218	-7.6321	-6.04	-1.45
387	386 Shell-Thick	SLE-RARA	-21.4395	-7.9264	-6.02	-1.45
387	386 Shell-Thick	SLE-RARA	-20.2343	-7.5348	-6.02	-1.48
387	386 Shell-Thick	SLE-RARA	-20.4132	-7.2438	-6.04	-1.48
387	386 Shell-Thick	SLE-FREQ.	-21.1302	-7.4621	-5.90	-1.60
387	386 Shell-Thick	SLE-FREQ.	-20.9709	-7.7859	-5.88	-1.60
387	386 Shell-Thick	SLE-FREQ.	-19.7932	-7.4024	-5.88	-1.62
387	386 Shell-Thick	SLE-FREQ.	-19.9494	-7.0816	-5.90	-1.62
387	386 Shell-Thick	SLE-QP	-19.6556	-6.9520	-5.48	-2.05
387	386 Shell-Thick	SLE-QP	-19.5652	-7.3644	-5.47	-2.05
387	386 Shell-Thick	SLE-QP	-18.4701	-7.0054	-5.47	-2.06
387	386 Shell-Thick	SLE-QP	-18.5582	-6.5953	-5.48	-2.06
388	387 Shell-Thick	SLU-STATICA	-26.8754	-9.5382	-23.97	-1.80
388	387 Shell-Thick	SLU-STATICA	-26.7129	-9.9141	-23.88	-1.80
388	387 Shell-Thick	SLU-STATICA	-21.9311	-8.3878	-23.88	-1.89
388	387 Shell-Thick	SLU-STATICA	-22.0798	-8.0256	-23.97	-1.89
388	387 Shell-Thick	SLU-SISMICA	-34.7753	-12.2459	-31.31	3.10
388	387 Shell-Thick	SLU-SISMICA	-34.0383	-11.6928	-30.81	3.10
388	387 Shell-Thick	SLU-SISMICA	-27.8388	-9.7774	-30.81	2.60
388	387 Shell-Thick	SLU-SISMICA	-28.5408	-10.3651	-31.31	2.60
388	387 Shell-Thick	SLE-RARA	-20.3884	-7.2379	-18.18	-1.47
388	387 Shell-Thick	SLE-RARA	-20.2758	-7.5440	-18.12	-1.47
388	387 Shell-Thick	SLE-RARA	-16.6484	-6.3850	-18.12	-1.54
388	387 Shell-Thick	SLE-RARA	-16.7509	-6.0888	-18.18	-1.54
388	387 Shell-Thick	SLE-FREQ.	-19.9253	-7.0767	-17.76	-1.62
388	387 Shell-Thick	SLE-FREQ.	-19.8328	-7.4105	-17.71	-1.62
388	387 Shell-Thick	SLE-FREQ.	-16.2882	-6.2758	-17.71	-1.67
388	387 Shell-Thick	SLE-FREQ.	-16.3714	-5.9512	-17.76	-1.67
388	387 Shell-Thick	SLE-QP	-18.5360	-6.5931	-16.49	-2.06
388	387 Shell-Thick	SLE-QP	-18.5038	-7.0099	-16.48	-2.06
388	387 Shell-Thick	SLE-QP	-15.2076	-5.9482	-16.48	-2.07
388	387 Shell-Thick	SLE-QP	-15.2330	-5.5382	-16.49	-2.07
389	388 Shell-Thick	SLU-STATICA	-21.9594	-7.9991	-40.17	-1.88
389	388 Shell-Thick	SLU-STATICA	-21.9629	-8.3966	-40.08	-1.88
389	388 Shell-Thick	SLU-STATICA	-13.9433	-5.9377	-40.08	-1.97
389	388 Shell-Thick	SLU-STATICA	-13.9172	-5.5627	-40.17	-1.97
389	388 Shell-Thick	SLU-SISMICA	-28.3871	-10.2840	-52.42	2.69
389	388 Shell-Thick	SLU-SISMICA	-27.9500	-9.8500	-51.68	2.69
389	388 Shell-Thick	SLU-SISMICA	-17.5604	-6.7594	-51.68	1.94
389	388 Shell-Thick	SLU-SISMICA	-17.9389	-7.2514	-52.42	1.94
389	388 Shell-Thick	SLE-RARA	-16.6596	-6.0697	-30.46	-1.53
389	388 Shell-Thick	SLE-RARA	-16.6712	-6.3904	-30.41	-1.53
389	388 Shell-Thick	SLE-RARA	-10.5875	-4.5231	-30.41	-1.59
389	388 Shell-Thick	SLE-RARA	-10.5593	-4.2190	-30.46	-1.59
389	388 Shell-Thick	SLE-FREQ.	-16.2821	-5.9340	-29.76	-1.67
389	388 Shell-Thick	SLE-FREQ.	-16.3081	-6.2790	-29.72	-1.67
389	388 Shell-Thick	SLE-FREQ.	-10.3631	-4.4512	-29.72	-1.70
389	388 Shell-Thick	SLE-FREQ.	-10.3218	-4.1213	-29.76	-1.70
389	388 Shell-Thick	SLE-QP	-15.1496	-5.5270	-27.63	-2.08
389	388 Shell-Thick	SLE-QP	-15.2190	-5.9450	-27.67	-2.08
389	388 Shell-Thick	SLE-QP	-9.6897	-4.2352	-27.67	-2.04
389	388 Shell-Thick	SLE-QP	-9.6092	-3.8285	-27.63	-2.04
390	389 Shell-Thick	SLU-STATICA	-13.6039	-5.4995	-56.68	-1.97
390	389 Shell-Thick	SLU-STATICA	-13.7949	-5.9085	-56.69	-1.97
390	389 Shell-Thick	SLU-STATICA	-2.4649	-2.6327	-56.69	-1.96

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390	389	Shell-Thick	SLU-STATICA	-2.2428	-2.2547	-56.68	-1.96
390	389	Shell-Thick	SLU-SISMICA	-17.5526	-7.1020	-73.90	2.06
390	389	Shell-Thick	SLU-SISMICA	-17.4978	-6.8190	-73.02	2.06
390	389	Shell-Thick	SLU-SISMICA	-2.8345	-2.6823	-73.02	1.17
390	389	Shell-Thick	SLU-SISMICA	-2.8077	-3.0460	-73.90	1.17
390	389	Shell-Thick	SLE-RARA	-10.3213	-4.1724	-42.98	-1.59
390	389	Shell-Thick	SLE-RARA	-10.4723	-4.4991	-43.01	-1.59
390	389	Shell-Thick	SLE-RARA	-1.8771	-2.0118	-43.01	-1.56
390	389	Shell-Thick	SLE-RARA	-1.7034	-1.7079	-42.98	-1.56
390	389	Shell-Thick	SLE-FREQ.	-10.0886	-4.0781	-41.99	-1.71
390	389	Shell-Thick	SLE-FREQ.	-10.2462	-4.4244	-42.04	-1.71
390	389	Shell-Thick	SLE-FREQ.	-1.8463	-1.9903	-42.04	-1.65
390	389	Shell-Thick	SLE-FREQ.	-1.6678	-1.6648	-41.99	-1.65
390	389	Shell-Thick	SLE-QP	-9.3903	-3.7952	-39.00	-2.06
390	389	Shell-Thick	SLE-QP	-9.5678	-4.2004	-39.15	-2.06
390	389	Shell-Thick	SLE-QP	-1.7538	-1.9255	-39.15	-1.91
390	389	Shell-Thick	SLE-QP	-1.5612	-1.5356	-39.00	-1.91
391	390	Shell-Thick	SLU-STATICA	-1.5891	-2.1289	-73.60	-1.97
391	390	Shell-Thick	SLU-STATICA	-1.9119	-2.5171	-73.84	-1.97
391	390	Shell-Thick	SLU-STATICA	12.8253	1.4136	-73.84	-1.72
391	390	Shell-Thick	SLU-STATICA	13.1861	1.7636	-73.60	-1.72
391	390	Shell-Thick	SLU-SISMICA	-2.0148	-2.7974	-95.86	1.32
391	390	Shell-Thick	SLU-SISMICA	-2.3350	-2.6724	-94.98	1.32
391	390	Shell-Thick	SLU-SISMICA	16.7125	2.3169	-94.98	0.44
391	390	Shell-Thick	SLU-SISMICA	17.1365	2.0890	-95.86	0.44
391	390	Shell-Thick	SLE-RARA	-1.2063	-1.6142	-55.82	-1.57
391	390	Shell-Thick	SLE-RARA	-1.4532	-1.9214	-56.03	-1.57
391	390	Shell-Thick	SLE-RARA	9.7272	1.0626	-56.03	-1.36
391	390	Shell-Thick	SLE-RARA	10.0018	1.3418	-55.82	-1.36
391	390	Shell-Thick	SLE-FREQ.	-1.1803	-1.5761	-54.53	-1.66
391	390	Shell-Thick	SLE-FREQ.	-1.4248	-1.8972	-54.78	-1.66
391	390	Shell-Thick	SLE-FREQ.	9.5024	1.0222	-54.78	-1.42
391	390	Shell-Thick	SLE-FREQ.	9.7722	1.3178	-54.53	-1.42
391	390	Shell-Thick	SLE-QP	-1.1023	-1.4618	-50.67	-1.94
391	390	Shell-Thick	SLE-QP	-1.3397	-1.8247	-51.01	-1.94
391	390	Shell-Thick	SLE-QP	8.8279	0.9011	-51.01	-1.59
391	390	Shell-Thick	SLE-QP	9.0832	1.2456	-50.67	-1.59
392	391	Shell-Thick	SLU-STATICA	14.3538	1.9823	-91.01	-1.74
392	391	Shell-Thick	SLU-STATICA	14.0623	1.6759	-91.65	-1.74
392	391	Shell-Thick	SLU-STATICA	32.3223	6.0814	-91.65	-1.11
392	391	Shell-Thick	SLU-STATICA	32.6561	6.3449	-91.01	-1.11
392	391	Shell-Thick	SLU-SISMICA	18.5411	2.4732	-118.37	0.61
392	391	Shell-Thick	SLU-SISMICA	17.9774	2.4666	-117.69	0.61
392	391	Shell-Thick	SLU-SISMICA	41.5422	8.1034	-117.69	-6.768E-02
392	391	Shell-Thick	SLU-SISMICA	42.2290	7.9877	-118.37	-6.768E-02
392	391	Shell-Thick	SLE-RARA	10.8898	1.5057	-69.03	-1.38
392	391	Shell-Thick	SLE-RARA	10.6725	1.2653	-69.54	-1.38
392	391	Shell-Thick	SLE-RARA	24.5263	4.6087	-69.54	-0.87
392	391	Shell-Thick	SLE-RARA	24.7743	4.8179	-69.03	-0.87
392	391	Shell-Thick	SLE-FREQ.	10.6435	1.4746	-67.44	-1.44
392	391	Shell-Thick	SLE-FREQ.	10.4373	1.2267	-67.99	-1.44
392	391	Shell-Thick	SLE-FREQ.	23.9786	4.4963	-67.99	-0.89
392	391	Shell-Thick	SLE-FREQ.	24.2125	4.7159	-67.44	-0.89
392	391	Shell-Thick	SLE-QP	9.9047	1.3811	-62.68	-1.64
392	391	Shell-Thick	SLE-QP	9.7319	1.1107	-63.35	-1.64
392	391	Shell-Thick	SLE-QP	22.3354	4.1588	-63.35	-0.97
392	391	Shell-Thick	SLE-QP	22.5270	4.4098	-62.68	-0.97
393	392	Shell-Thick	SLU-STATICA	34.5147	6.6867	-108.96	-1.15
393	392	Shell-Thick	SLU-STATICA	34.5492	6.5567	-110.17	-1.15
393	392	Shell-Thick	SLU-STATICA	56.4593	11.2491	-110.17	6.403E-02
393	392	Shell-Thick	SLU-STATICA	56.4667	11.3361	-108.96	6.403E-02
393	392	Shell-Thick	SLU-SISMICA	44.4557	8.5440	-141.50	0.12
393	392	Shell-Thick	SLU-SISMICA	43.9338	8.4708	-141.23	0.12
393	392	Shell-Thick	SLU-SISMICA	72.1616	14.5307	-141.23	-0.16
393	392	Shell-Thick	SLU-SISMICA	72.8218	14.4660	-141.50	-0.16
393	392	Shell-Thick	SLE-RARA	26.1879	5.0749	-82.65	-0.90
393	392	Shell-Thick	SLE-RARA	26.2255	4.9743	-83.60	-0.90
393	392	Shell-Thick	SLE-RARA	42.8496	8.5344	-83.60	5.344E-02
393	392	Shell-Thick	SLE-RARA	42.8421	8.6040	-82.65	5.344E-02

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393	392	Shell-Thick	SLE-FREQ.	25.5999	4.9632	-80.75	-0.94
393	392	Shell-Thick	SLE-FREQ.	25.6555	4.8618	-81.75	-0.94
393	392	Shell-Thick	SLE-FREQ.	41.9061	8.3414	-81.75	6.026E-02
393	392	Shell-Thick	SLE-FREQ.	41.8771	8.4153	-80.75	6.026E-02
393	392	Shell-Thick	SLE-QP	23.8359	4.6283	-75.07	-1.03
393	392	Shell-Thick	SLE-QP	23.9455	4.5242	-76.19	-1.03
393	392	Shell-Thick	SLE-QP	39.0756	7.7624	-76.19	8.069E-02
393	392	Shell-Thick	SLE-QP	38.9821	7.8492	-75.07	8.069E-02
394	393	Shell-Thick	SLU-STATICA	56.5540	11.2476	110.02	-0.10
394	393	Shell-Thick	SLU-STATICA	55.8995	11.2431	110.37	-0.10
394	393	Shell-Thick	SLU-STATICA	33.8936	6.4115	110.37	-0.45
394	393	Shell-Thick	SLU-STATICA	34.4464	6.5180	110.02	-0.45
394	393	Shell-Thick	SLU-SISMICA	72.1114	14.2014	141.19	-0.35
394	393	Shell-Thick	SLU-SISMICA	70.6970	14.3602	139.93	-0.35
394	393	Shell-Thick	SLU-SISMICA	42.6650	8.2003	139.93	0.91
394	393	Shell-Thick	SLU-SISMICA	43.8733	8.2463	141.19	0.91
394	393	Shell-Thick	SLE-RARA	42.9249	8.5398	83.49	-7.321E-02
394	393	Shell-Thick	SLE-RARA	42.4399	8.5331	83.79	-7.321E-02
394	393	Shell-Thick	SLE-RARA	25.7367	4.8659	83.79	-0.37
394	393	Shell-Thick	SLE-RARA	26.1461	4.9485	83.49	-0.37
394	393	Shell-Thick	SLE-FREQ.	41.9855	8.3576	81.63	-6.429E-02
394	393	Shell-Thick	SLE-FREQ.	41.5303	8.3456	81.98	-6.429E-02
394	393	Shell-Thick	SLE-FREQ.	25.1918	4.7585	81.98	-0.41
394	393	Shell-Thick	SLE-FREQ.	25.5755	4.8424	81.63	-0.41
394	393	Shell-Thick	SLE-QP	39.1671	7.8109	76.06	-3.753E-02
394	393	Shell-Thick	SLE-QP	38.8017	7.7829	76.56	-3.753E-02
394	393	Shell-Thick	SLE-QP	23.5571	4.4365	76.56	-0.54
394	393	Shell-Thick	SLE-QP	23.8637	4.5239	76.06	-0.54
395	394	Shell-Thick	SLU-STATICA	32.3509	6.0521	91.59	-0.53
395	394	Shell-Thick	SLU-STATICA	31.6486	6.0092	91.39	-0.53
395	394	Shell-Thick	SLU-STATICA	13.3795	1.3693	91.39	-0.34
395	394	Shell-Thick	SLU-STATICA	13.9929	1.5008	91.59	-0.34
395	394	Shell-Thick	SLU-SISMICA	41.3916	7.5519	117.74	0.59
395	394	Shell-Thick	SLU-SISMICA	40.2767	7.9207	116.11	0.59
395	394	Shell-Thick	SLU-SISMICA	16.9602	2.0680	116.11	2.22
395	394	Shell-Thick	SLU-SISMICA	17.8991	1.8736	117.74	2.22
395	394	Shell-Thick	SLE-RARA	24.5517	4.5970	69.50	-0.43
395	394	Shell-Thick	SLE-RARA	24.0231	4.5558	69.38	-0.43
395	394	Shell-Thick	SLE-RARA	10.1572	1.0328	69.38	-0.31
395	394	Shell-Thick	SLE-RARA	10.6196	1.1400	69.50	-0.31
395	394	Shell-Thick	SLE-FREQ.	24.0097	4.5018	67.94	-0.46
395	394	Shell-Thick	SLE-FREQ.	23.5000	4.4475	67.87	-0.46
395	394	Shell-Thick	SLE-FREQ.	9.9382	0.9995	67.87	-0.39
395	394	Shell-Thick	SLE-FREQ.	10.3853	1.1163	67.94	-0.39
395	394	Shell-Thick	SLE-QP	22.3835	4.2165	63.29	-0.56
395	394	Shell-Thick	SLE-QP	21.9304	4.1226	63.36	-0.56
395	394	Shell-Thick	SLE-QP	9.2812	0.8996	63.36	-0.64
395	394	Shell-Thick	SLE-QP	9.6824	1.0455	63.29	-0.64
396	395	Shell-Thick	SLU-STATICA	12.7795	1.2080	73.84	-0.42
396	395	Shell-Thick	SLU-STATICA	12.3315	1.2098	73.34	-0.42
396	395	Shell-Thick	SLU-STATICA	-2.3625	-2.9891	73.34	7.961E-02
396	395	Shell-Thick	SLU-STATICA	-1.9875	-2.9185	73.84	7.961E-02
396	395	Shell-Thick	SLU-SISMICA	16.4592	1.4086	95.08	1.94
396	395	Shell-Thick	SLU-SISMICA	15.9349	2.0400	93.35	1.94
396	395	Shell-Thick	SLU-SISMICA	-2.8519	-3.2179	93.35	3.67
396	395	Shell-Thick	SLU-SISMICA	-2.4705	-3.7081	95.08	3.67
396	395	Shell-Thick	SLE-RARA	9.6964	0.9196	56.03	-0.37
396	395	Shell-Thick	SLE-RARA	9.3555	0.9082	55.67	-0.37
396	395	Shell-Thick	SLE-RARA	-1.7964	-2.2807	55.67	-1.164E-02
396	395	Shell-Thick	SLE-RARA	-1.5098	-2.2154	56.03	-1.164E-02
396	395	Shell-Thick	SLE-FREQ.	9.4787	0.9038	54.77	-0.45
396	395	Shell-Thick	SLE-FREQ.	9.1437	0.8718	54.46	-0.45
396	395	Shell-Thick	SLE-FREQ.	-1.7624	-2.2506	54.46	-0.13
396	395	Shell-Thick	SLE-FREQ.	-1.4789	-2.1674	54.77	-0.13
396	395	Shell-Thick	SLE-QP	8.8257	0.8566	51.00	-0.67
396	395	Shell-Thick	SLE-QP	8.5083	0.7625	50.82	-0.67
396	395	Shell-Thick	SLE-QP	-1.6605	-2.1601	50.82	-0.49
396	395	Shell-Thick	SLE-QP	-1.3861	-2.0232	51.00	-0.49
397	396	Shell-Thick	SLU-STATICA	-2.5792	-3.0850	56.72	-6.962E-04

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397	396 Shell-Thick	SLU-STATICA	-2.6404	-2.9965	56.11	-6.962E-04
397	396 Shell-Thick	SLU-STATICA	-13.9047	-6.5182	56.11	0.61
397	396 Shell-Thick	SLU-STATICA	-13.8996	-6.5512	56.72	0.61
397	396 Shell-Thick	SLU-SISMICA	-3.1770	-3.9997	73.13	3.42
397	396 Shell-Thick	SLU-SISMICA	-3.0164	-3.1005	71.53	3.42
397	396 Shell-Thick	SLU-SISMICA	-17.4396	-7.4840	71.53	5.02
397	396 Shell-Thick	SLU-SISMICA	-17.7100	-8.2750	73.13	5.02
397	396 Shell-Thick	SLE-RARA	-1.9599	-2.3402	43.03	-6.974E-02
397	396 Shell-Thick	SLE-RARA	-2.0112	-2.2889	42.59	-6.974E-02
397	396 Shell-Thick	SLE-RARA	-10.5596	-4.9641	42.59	0.38
397	396 Shell-Thick	SLE-RARA	-10.5501	-4.9740	43.03	0.38
397	396 Shell-Thick	SLE-FREQ.	-1.9208	-2.2868	42.06	-0.18
397	396 Shell-Thick	SLE-FREQ.	-1.9788	-2.2628	41.66	-0.18
397	396 Shell-Thick	SLE-FREQ.	-10.3382	-4.8830	41.66	0.23
397	396 Shell-Thick	SLE-FREQ.	-10.3197	-4.8677	42.06	0.23
397	396 Shell-Thick	SLE-QP	-1.8032	-2.1265	39.16	-0.52
397	396 Shell-Thick	SLE-QP	-1.8818	-2.1844	38.86	-0.52
397	396 Shell-Thick	SLE-QP	-9.6738	-4.6396	38.86	-0.22
397	396 Shell-Thick	SLE-QP	-9.6283	-4.5490	39.16	-0.22
398	397 Shell-Thick	SLU-STATICA	-14.1111	-6.6346	40.12	0.54
398	397 Shell-Thick	SLU-STATICA	-13.7788	-6.4519	39.57	0.54
398	397 Shell-Thick	SLU-STATICA	-21.7340	-9.1085	39.57	1.09
398	397 Shell-Thick	SLU-STATICA	-22.1057	-9.2523	40.12	1.09
398	397 Shell-Thick	SLU-SISMICA	-17.9674	-8.4446	51.78	4.83
398	397 Shell-Thick	SLU-SISMICA	-17.1726	-7.3124	50.51	4.83
398	397 Shell-Thick	SLU-SISMICA	-27.3712	-10.6086	50.51	6.10
398	397 Shell-Thick	SLU-SISMICA	-28.2430	-11.6649	51.78	6.10
398	397 Shell-Thick	SLE-RARA	-10.7109	-5.0360	30.44	-0.33
398	397 Shell-Thick	SLE-RARA	-10.4662	-4.9155	30.03	0.33
398	397 Shell-Thick	SLE-RARA	-16.5032	-6.9338	30.03	0.73
398	397 Shell-Thick	SLE-RARA	-16.7773	-7.0253	30.44	0.73
398	397 Shell-Thick	SLE-FREQ.	-10.4774	-4.9263	29.75	0.18
398	397 Shell-Thick	SLE-FREQ.	-10.2503	-4.8384	29.37	0.18
398	397 Shell-Thick	SLE-FREQ.	-16.1534	-6.8155	29.37	0.56
398	397 Shell-Thick	SLE-FREQ.	-16.4082	-6.8759	29.75	0.56
398	397 Shell-Thick	SLE-QP	-9.7766	-4.5971	27.69	-0.25
398	397 Shell-Thick	SLE-QP	-9.6027	-4.6069	27.39	-0.25
398	397 Shell-Thick	SLE-QP	-15.1039	-6.4606	27.39	4.144E-02
398	397 Shell-Thick	SLE-QP	-15.3010	-6.4279	27.69	4.144E-02
399	398 Shell-Thick	SLU-STATICA	-22.1321	-9.2876	23.91	1.04
399	398 Shell-Thick	SLU-STATICA	-21.4903	-9.0298	23.53	1.04
399	398 Shell-Thick	SLU-STATICA	-26.2264	-10.6778	23.53	1.42
399	398 Shell-Thick	SLU-STATICA	-26.8915	-10.9128	23.91	1.42
399	398 Shell-Thick	SLU-SISMICA	-28.2804	-11.7540	30.88	5.97
399	398 Shell-Thick	SLU-SISMICA	-27.0068	-10.4541	30.06	5.97
399	398 Shell-Thick	SLU-SISMICA	-33.0834	-12.4922	30.06	6.79
399	398 Shell-Thick	SLU-SISMICA	-34.4028	-13.7472	30.88	6.79
399	398 Shell-Thick	SLE-RARA	-16.7973	-7.0511	18.14	0.70
399	398 Shell-Thick	SLE-RARA	-16.3193	-6.8751	17.86	0.70
399	398 Shell-Thick	SLE-RARA	-19.9133	-8.1272	17.86	0.98
399	398 Shell-Thick	SLE-RARA	-20.4086	-8.2863	18.14	0.98
399	398 Shell-Thick	SLE-FREQ.	-16.4276	-6.8998	17.73	0.53
399	398 Shell-Thick	SLE-FREQ.	-15.9753	-6.7599	17.47	0.53
399	398 Shell-Thick	SLE-FREQ.	-19.4894	-7.9867	17.47	0.79
399	398 Shell-Thick	SLE-FREQ.	-19.9581	-8.1105	17.73	0.79
399	398 Shell-Thick	SLE-QP	-15.3188	-6.4456	16.50	1.785E-02
399	398 Shell-Thick	SLE-QP	-14.9432	-6.4143	16.29	1.785E-02
399	398 Shell-Thick	SLE-QP	-18.2176	-7.5652	16.29	0.23
399	398 Shell-Thick	SLE-QP	-18.6068	-7.5832	16.50	0.23
400	399 Shell-Thick	SLU-STATICA	-26.8700	-10.9242	7.94	1.39
400	399 Shell-Thick	SLU-STATICA	-26.0561	-10.6280	7.81	1.39
400	399 Shell-Thick	SLU-STATICA	-27.6286	-11.1883	7.81	1.53
400	399 Shell-Thick	SLU-STATICA	-28.4502	-11.4768	7.94	1.53
400	399 Shell-Thick	SLU-SISMICA	-34.3808	-13.7844	10.26	6.72
400	399 Shell-Thick	SLU-SISMICA	-32.8447	-12.4029	9.98	6.72
400	399 Shell-Thick	SLU-SISMICA	-34.8632	-13.0964	9.98	7.01
400	399 Shell-Thick	SLU-SISMICA	-36.4144	-14.4632	10.26	7.01
400	399 Shell-Thick	SLE-RARA	-20.3921	-8.2945	6.03	0.96
400	399 Shell-Thick	SLE-RARA	-19.7844	-8.0900	5.93	0.96

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400	399	Shell-Thick	SLE-RARA	-20.9777	-8.5156	5.93	1.06
400	399	Shell-Thick	SLE-RARA	-21.5912	-8.7145	6.03	1.06
400	399	Shell-Thick	SLE-FREQ.	-19.9419	-8.1178	5.89	0.77
400	399	Shell-Thick	SLE-FREQ.	-19.3640	-7.9511	5.80	0.77
400	399	Shell-Thick	SLE-FREQ.	-20.5308	-8.3682	5.80	0.87
400	399	Shell-Thick	SLE-FREQ.	-21.1140	-8.5294	5.89	0.87
400	399	Shell-Thick	SLE-QP	-18.5910	-7.5876	5.48	0.22
400	399	Shell-Thick	SLE-QP	-18.1029	-7.5347	5.40	0.22
400	399	Shell-Thick	SLE-QP	-19.1899	-7.9258	5.40	0.29
400	399	Shell-Thick	SLE-QP	-19.6826	-7.9743	5.48	0.29
401	400	Shell-Thick	SLU-STATICA	-28.4502	-11.4768	-7.94	1.53
401	400	Shell-Thick	SLU-STATICA	-27.6286	-11.1883	-7.81	1.53
401	400	Shell-Thick	SLU-STATICA	-26.0561	-10.6280	-7.81	1.39
401	400	Shell-Thick	SLU-STATICA	-26.8700	-10.9242	-7.94	1.39
401	400	Shell-Thick	SLU-SISMICA	-36.4144	-14.4632	-10.26	7.01
401	400	Shell-Thick	SLU-SISMICA	-34.8632	-13.0964	-9.98	7.01
401	400	Shell-Thick	SLU-SISMICA	-32.8447	-12.4029	-9.98	6.72
401	400	Shell-Thick	SLU-SISMICA	-34.3808	-13.7844	-10.26	6.72
401	400	Shell-Thick	SLE-RARA	-21.5912	-8.7145	-6.03	1.06
401	400	Shell-Thick	SLE-RARA	-20.9777	-8.5156	-5.93	1.06
401	400	Shell-Thick	SLE-RARA	-19.7844	-8.0900	-5.93	0.96
401	400	Shell-Thick	SLE-RARA	-20.3921	-8.2945	-6.03	0.96
401	400	Shell-Thick	SLE-FREQ.	-21.1140	-8.5294	-5.89	0.87
401	400	Shell-Thick	SLE-FREQ.	-20.5308	-8.3682	-5.80	0.87
401	400	Shell-Thick	SLE-FREQ.	-19.3640	-7.9511	-5.80	0.77
401	400	Shell-Thick	SLE-FREQ.	-19.9419	-8.1178	-5.89	0.77
401	400	Shell-Thick	SLE-QP	-19.6826	-7.9743	-5.48	0.29
401	400	Shell-Thick	SLE-QP	-19.1899	-7.9258	-5.40	0.29
401	400	Shell-Thick	SLE-QP	-18.1029	-7.5347	-5.40	0.22
401	400	Shell-Thick	SLE-QP	-18.5910	-7.5876	-5.48	0.22
402	401	Shell-Thick	SLU-STATICA	-26.8915	-10.9128	-23.91	1.42
402	401	Shell-Thick	SLU-STATICA	-26.2264	-10.6778	-23.53	1.42
402	401	Shell-Thick	SLU-STATICA	-21.4903	-9.0298	-23.53	1.04
402	401	Shell-Thick	SLU-STATICA	-22.1321	-9.2876	-23.91	1.04
402	401	Shell-Thick	SLU-SISMICA	-34.4028	-13.7472	-30.88	6.79
402	401	Shell-Thick	SLU-SISMICA	-33.0834	-12.4922	-30.06	6.79
402	401	Shell-Thick	SLU-SISMICA	-27.0068	-10.4541	-30.06	5.97
402	401	Shell-Thick	SLU-SISMICA	-28.2804	-11.7540	-30.88	5.97
402	401	Shell-Thick	SLE-RARA	-20.4086	-8.2863	-18.14	0.98
402	401	Shell-Thick	SLE-RARA	-19.9133	-8.1272	-17.86	0.98
402	401	Shell-Thick	SLE-RARA	-16.3193	-6.8751	-17.86	0.70
402	401	Shell-Thick	SLE-RARA	-16.7973	-7.0511	-18.14	0.70
402	401	Shell-Thick	SLE-FREQ.	-19.9581	-8.1105	-17.73	0.79
402	401	Shell-Thick	SLE-FREQ.	-19.4894	-7.9867	-17.47	0.79
402	401	Shell-Thick	SLE-FREQ.	-15.9753	-6.7599	-17.47	0.53
402	401	Shell-Thick	SLE-FREQ.	-16.4276	-6.8998	-17.73	0.53
402	401	Shell-Thick	SLE-QP	-18.6068	-7.5832	-16.50	0.23
402	401	Shell-Thick	SLE-QP	-18.2176	-7.5652	-16.29	0.23
402	401	Shell-Thick	SLE-QP	-14.9432	-6.4143	-16.29	1.785E-02
402	401	Shell-Thick	SLE-QP	-15.3188	-6.4456	-16.50	1.785E-02
403	402	Shell-Thick	SLU-STATICA	-22.1057	-9.2523	-40.12	1.09
403	402	Shell-Thick	SLU-STATICA	-21.7340	-9.1085	-39.57	1.09
403	402	Shell-Thick	SLU-STATICA	-13.7788	-6.4519	-39.57	0.54
403	402	Shell-Thick	SLU-STATICA	-14.1111	-6.6346	-40.12	0.54
403	402	Shell-Thick	SLU-SISMICA	-28.2430	-11.6649	-51.78	6.10
403	402	Shell-Thick	SLU-SISMICA	-27.3712	-10.6086	-50.51	6.10
403	402	Shell-Thick	SLU-SISMICA	-17.1726	-7.3124	-50.51	4.83
403	402	Shell-Thick	SLU-SISMICA	-17.9674	-8.4446	-51.78	4.83
403	402	Shell-Thick	SLE-RARA	-16.7773	-7.0253	-30.44	0.73
403	402	Shell-Thick	SLE-RARA	-16.5032	-6.9338	-30.03	0.73
403	402	Shell-Thick	SLE-RARA	-10.4662	-4.9155	-30.03	0.33
403	402	Shell-Thick	SLE-RARA	-10.7109	-5.0360	-30.44	0.33
403	402	Shell-Thick	SLE-FREQ.	-16.4082	-6.8759	-29.75	0.56
403	402	Shell-Thick	SLE-FREQ.	-16.1534	-6.8155	-29.37	0.56
403	402	Shell-Thick	SLE-FREQ.	-10.2503	-4.8384	-29.37	0.18
403	402	Shell-Thick	SLE-FREQ.	-10.4774	-4.9263	-29.75	0.18
403	402	Shell-Thick	SLE-QP	-15.3010	-6.4279	-27.69	4.144E-02
403	402	Shell-Thick	SLE-QP	-15.1039	-6.4606	-27.39	4.144E-02
403	402	Shell-Thick	SLE-QP	-9.6027	-4.6069	-27.39	-0.25

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403	402	Shell-Thick	SLE-QP	-9.7766	-4.5971	-27.69	-0.25
404	403	Shell-Thick	SLU-STATICA	-13.8996	-6.5512	-56.72	0.61
404	403	Shell-Thick	SLU-STATICA	-13.9047	-6.5182	-56.11	0.61
404	403	Shell-Thick	SLU-STATICA	-2.6404	-2.9965	-56.11	-6.962E-04
404	403	Shell-Thick	SLU-STATICA	-2.5792	-3.0850	-56.72	-6.962E-04
404	403	Shell-Thick	SLU-SISMICA	-17.7100	-8.2750	-73.13	5.02
404	403	Shell-Thick	SLU-SISMICA	-17.4396	-7.4840	-71.53	5.02
404	403	Shell-Thick	SLU-SISMICA	-3.0164	-3.1005	-71.53	3.42
404	403	Shell-Thick	SLU-SISMICA	-3.1770	-3.9997	-73.13	3.42
404	403	Shell-Thick	SLE-RARA	-10.5501	-4.9740	-43.03	0.38
404	403	Shell-Thick	SLE-RARA	-10.5596	-4.9641	-42.59	0.38
404	403	Shell-Thick	SLE-RARA	-2.0112	-2.2889	-42.59	-6.974E-02
404	403	Shell-Thick	SLE-RARA	-1.9599	-2.3402	-43.03	-6.974E-02
404	403	Shell-Thick	SLE-FREQ.	-10.3197	-4.8677	-42.06	0.23
404	403	Shell-Thick	SLE-FREQ.	-10.3382	-4.8830	-41.66	0.23
404	403	Shell-Thick	SLE-FREQ.	-1.9788	-2.2628	-41.66	-0.18
404	403	Shell-Thick	SLE-FREQ.	-1.9208	-2.2868	-42.06	-0.18
404	403	Shell-Thick	SLE-QP	-9.6283	-4.5490	-39.16	-0.22
404	403	Shell-Thick	SLE-QP	-9.6738	-4.6396	-38.86	-0.22
404	403	Shell-Thick	SLE-QP	-1.8817	-2.1844	-38.86	-0.52
404	403	Shell-Thick	SLE-QP	-1.8032	-2.1265	-39.16	-0.52
405	404	Shell-Thick	SLU-STATICA	-1.9875	-2.9185	-73.84	7.961E-02
405	404	Shell-Thick	SLU-STATICA	-2.3625	-2.9891	-73.34	7.961E-02
405	404	Shell-Thick	SLU-STATICA	12.3315	1.2098	-73.34	-0.42
405	404	Shell-Thick	SLU-STATICA	12.7795	1.2080	-73.84	-0.42
405	404	Shell-Thick	SLU-SISMICA	-2.4705	-3.7081	-95.08	3.67
405	404	Shell-Thick	SLU-SISMICA	-2.8519	-3.2179	-93.35	3.67
405	404	Shell-Thick	SLU-SISMICA	15.9349	2.0400	-93.35	1.94
405	404	Shell-Thick	SLU-SISMICA	16.4592	1.4086	-95.08	1.94
405	404	Shell-Thick	SLE-RARA	-1.5098	-2.2154	-56.03	-1.164E-02
405	404	Shell-Thick	SLE-RARA	-1.7964	-2.2807	-55.67	-1.164E-02
405	404	Shell-Thick	SLE-RARA	9.3555	0.9082	-55.67	-0.37
405	404	Shell-Thick	SLE-RARA	9.6964	0.9196	-56.03	-0.37
405	404	Shell-Thick	SLE-FREQ.	-1.4789	-2.1674	-54.77	-0.13
405	404	Shell-Thick	SLE-FREQ.	-1.7624	-2.2506	-54.46	-0.13
405	404	Shell-Thick	SLE-FREQ.	9.1437	0.8718	-54.46	-0.45
405	404	Shell-Thick	SLE-FREQ.	9.4787	0.9038	-54.77	-0.45
405	404	Shell-Thick	SLE-QP	-1.3861	-2.0232	-51.00	-0.49
405	404	Shell-Thick	SLE-QP	-1.6605	-2.1601	-50.82	-0.49
405	404	Shell-Thick	SLE-QP	8.5083	0.7625	-50.82	-0.67
405	404	Shell-Thick	SLE-QP	8.8257	0.8566	-51.00	-0.67
406	405	Shell-Thick	SLU-STATICA	13.9929	1.5008	-91.59	-0.34
406	405	Shell-Thick	SLU-STATICA	13.3795	1.3693	-91.39	-0.34
406	405	Shell-Thick	SLU-STATICA	31.6486	6.0092	-91.39	-0.53
406	405	Shell-Thick	SLU-STATICA	32.3509	6.0521	-91.59	-0.53
406	405	Shell-Thick	SLU-SISMICA	17.8991	1.8736	-117.74	2.22
406	405	Shell-Thick	SLU-SISMICA	16.9602	2.0680	-116.11	2.22
406	405	Shell-Thick	SLU-SISMICA	40.2767	7.9207	-116.11	0.59
406	405	Shell-Thick	SLU-SISMICA	41.3916	7.5519	-117.74	0.59
406	405	Shell-Thick	SLE-RARA	10.6196	1.1400	-69.50	-0.31
406	405	Shell-Thick	SLE-RARA	10.1572	1.0328	-69.38	-0.31
406	405	Shell-Thick	SLE-RARA	24.0231	4.5558	-69.38	-0.43
406	405	Shell-Thick	SLE-RARA	24.5517	4.5970	-69.50	-0.43
406	405	Shell-Thick	SLE-FREQ.	10.3853	1.1163	-67.94	-0.39
406	405	Shell-Thick	SLE-FREQ.	9.9382	0.9995	-67.87	-0.39
406	405	Shell-Thick	SLE-FREQ.	23.5000	4.4475	-67.87	-0.46
406	405	Shell-Thick	SLE-FREQ.	24.0097	4.5018	-67.94	-0.46
406	405	Shell-Thick	SLE-QP	9.6824	1.0455	-63.29	-0.64
406	405	Shell-Thick	SLE-QP	9.2812	0.8996	-63.36	-0.64
406	405	Shell-Thick	SLE-QP	21.9304	4.1226	-63.36	-0.56
406	405	Shell-Thick	SLE-QP	22.3835	4.2165	-63.29	-0.56
407	406	Shell-Thick	SLU-STATICA	34.4464	6.5180	-110.02	-0.45
407	406	Shell-Thick	SLU-STATICA	33.8936	6.4115	-110.37	-0.45
407	406	Shell-Thick	SLU-STATICA	55.8995	11.2431	-110.37	-0.10
407	406	Shell-Thick	SLU-STATICA	56.5540	11.2476	-110.02	-0.10
407	406	Shell-Thick	SLU-SISMICA	43.8733	8.2463	-141.19	0.91
407	406	Shell-Thick	SLU-SISMICA	42.6650	8.2003	-139.93	0.91
407	406	Shell-Thick	SLU-SISMICA	70.6970	14.3602	-139.93	-0.35
407	406	Shell-Thick	SLU-SISMICA	72.1114	14.2014	-141.19	-0.35



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407	406 Shell-Thick	SLE-RARA	26.1461	4.9485	-83.49	-0.37
407	406 Shell-Thick	SLE-RARA	25.7367	4.8659	-83.79	-0.37
407	406 Shell-Thick	SLE-RARA	42.4399	8.5331	-83.79	-7.321E-02
407	406 Shell-Thick	SLE-RARA	42.9249	8.5398	-83.49	-7.321E-02
407	406 Shell-Thick	SLE-FREQ.	25.5755	4.8424	-81.63	-0.41
407	406 Shell-Thick	SLE-FREQ.	25.1918	4.7585	-81.98	-0.41
407	406 Shell-Thick	SLE-FREQ.	41.5303	8.3456	-81.98	-6.429E-02
407	406 Shell-Thick	SLE-FREQ.	41.9855	8.3576	-81.63	-6.429E-02
407	406 Shell-Thick	SLE-QP	23.8637	4.5239	-76.06	-0.54
407	406 Shell-Thick	SLE-QP	23.5571	4.4365	-76.56	-0.54
407	406 Shell-Thick	SLE-QP	38.8017	7.7829	-76.56	-3.753E-02
407	406 Shell-Thick	SLE-QP	39.1671	7.8109	-76.06	-3.753E-02
408	407 Shell-Thick	SLU-STATICA	55.8918	10.9825	110.29	-0.31
408	407 Shell-Thick	SLU-STATICA	54.4142	11.0787	109.54	-0.31
408	407 Shell-Thick	SLU-STATICA	32.4974	6.1320	109.54	0.44
408	407 Shell-Thick	SLU-STATICA	33.8074	6.2025	110.29	0.44
408	407 Shell-Thick	SLU-SISMICA	70.5287	13.7318	139.97	-0.59
408	407 Shell-Thick	SLU-SISMICA	68.1573	14.0054	137.45	-0.59
408	407 Shell-Thick	SLU-SISMICA	40.5330	7.7760	137.45	1.93
408	407 Shell-Thick	SLU-SISMICA	42.6237	7.7806	139.97	1.93
408	407 Shell-Thick	SLE-RARA	42.4372	8.3413	83.72	-0.23
408	407 Shell-Thick	SLE-RARA	41.3256	8.4113	83.18	-0.23
408	407 Shell-Thick	SLE-RARA	24.6840	4.6551	83.18	0.30
408	407 Shell-Thick	SLE-RARA	25.6699	4.7104	83.72	0.30
408	407 Shell-Thick	SLE-FREQ.	41.5330	8.1678	81.91	-0.22
408	407 Shell-Thick	SLE-FREQ.	40.4619	8.2312	81.44	-0.22
408	407 Shell-Thick	SLE-FREQ.	24.1739	4.5546	81.44	0.25
408	407 Shell-Thick	SLE-FREQ.	25.1242	4.6115	81.91	0.25
408	407 Shell-Thick	SLE-QP	38.8204	7.6473	76.48	-0.19
408	407 Shell-Thick	SLE-QP	37.8709	7.6910	76.20	-0.19
408	407 Shell-Thick	SLE-QP	22.6434	4.2533	76.20	9.500E-02
408	407 Shell-Thick	SLE-QP	23.4870	4.3151	76.48	9.500E-02
409	408 Shell-Thick	SLU-STATICA	31.5479	5.6144	91.42	0.21
409	408 Shell-Thick	SLU-STATICA	30.4063	5.8500	90.17	0.21
409	408 Shell-Thick	SLU-STATICA	12.3010	0.9850	90.17	1.46
409	408 Shell-Thick	SLU-STATICA	13.3046	0.8861	91.42	1.46
409	408 Shell-Thick	SLU-SISMICA	39.9774	6.9519	116.25	1.45
409	408 Shell-Thick	SLU-SISMICA	38.3539	7.6396	113.42	1.45
409	408 Shell-Thick	SLU-SISMICA	15.4834	1.5787	113.42	4.28
409	408 Shell-Thick	SLU-SISMICA	16.8759	1.1192	116.25	4.28
409	408 Shell-Thick	SLE-RARA	23.9501	4.2656	69.39	0.14
409	408 Shell-Thick	SLE-RARA	23.0871	4.4366	68.47	0.14
409	408 Shell-Thick	SLE-RARA	9.3407	0.7411	68.47	1.06
409	408 Shell-Thick	SLE-RARA	10.1001	0.6728	69.39	1.06
409	408 Shell-Thick	SLE-FREQ.	23.4343	4.1791	67.88	9.626E-02
409	408 Shell-Thick	SLE-FREQ.	22.5956	4.3335	67.03	9.626E-02
409	408 Shell-Thick	SLE-FREQ.	9.1429	0.7141	67.03	0.95
409	408 Shell-Thick	SLE-FREQ.	9.8820	0.6584	67.88	0.95
409	408 Shell-Thick	SLE-QP	21.8866	3.9197	63.36	-3.015E-02
409	408 Shell-Thick	SLE-QP	21.1214	4.0241	62.69	-3.015E-02
409	408 Shell-Thick	SLE-QP	8.5498	0.6332	62.69	0.64
409	408 Shell-Thick	SLE-QP	9.2277	0.6153	63.36	0.64
410	409 Shell-Thick	SLU-STATICA	12.1367	0.5258	73.42	1.25
410	409 Shell-Thick	SLU-STATICA	11.6088	0.9733	71.98	1.25
410	409 Shell-Thick	SLU-STATICA	-2.8896	-3.4762	71.98	2.69
410	409 Shell-Thick	SLU-STATICA	-2.4700	-3.8168	73.42	2.69
410	409 Shell-Thick	SLU-SISMICA	15.5106	0.5823	93.54	3.86
410	409 Shell-Thick	SLU-SISMICA	14.8952	1.7250	90.73	3.86
410	409 Shell-Thick	SLU-SISMICA	-3.4558	-3.7742	90.73	6.66
410	409 Shell-Thick	SLU-SISMICA	-3.0230	-4.7372	93.54	6.66
410	409 Shell-Thick	SLE-RARA	9.2111	0.4008	55.73	0.90
410	409 Shell-Thick	SLE-RARA	8.8093	0.7290	54.66	0.90
410	409 Shell-Thick	SLE-RARA	-2.1978	-2.6518	54.66	1.97
410	409 Shell-Thick	SLE-RARA	-1.8773	-2.8996	55.73	1.97
410	409 Shell-Thick	SLE-FREQ.	9.0084	0.3950	54.51	0.81
410	409 Shell-Thick	SLE-FREQ.	8.6134	0.6969	53.50	0.81
410	409 Shell-Thick	SLE-FREQ.	-2.1573	-2.6156	53.50	1.82
410	409 Shell-Thick	SLE-FREQ.	-1.8405	-2.8405	54.51	1.82
410	409 Shell-Thick	SLE-QP	8.4001	0.3775	50.86	0.52

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410	409	Shell-Thick	SLE-QP	8.0257	0.6007	50.01	0.52
410	409	Shell-Thick	SLE-QP	-2.0359	-2.5073	50.01	1.37
410	409	Shell-Thick	SLE-QP	-1.7298	-2.6630	50.86	1.37
411	410	Shell-Thick	SLU-STATICA	-2.9146	-4.0169	56.21	2.51
411	410	Shell-Thick	SLU-STATICA	-2.7518	-3.3375	54.83	2.51
411	410	Shell-Thick	SLU-STATICA	-13.8254	-7.0893	54.83	3.89
411	410	Shell-Thick	SLU-STATICA	-14.0688	-7.6895	56.21	3.89
411	410	Shell-Thick	SLU-SISMICA	-3.5415	-5.0626	71.73	6.30
411	410	Shell-Thick	SLU-SISMICA	-3.1202	-3.4854	69.25	6.30
411	410	Shell-Thick	SLU-SISMICA	-17.1608	-8.1000	69.25	8.78
411	410	Shell-Thick	SLU-SISMICA	-17.7188	-9.5430	71.73	8.78
411	410	Shell-Thick	SLE-RARA	-2.2158	-3.0501	42.66	1.84
411	410	Shell-Thick	SLE-RARA	-2.0965	-2.5488	41.63	1.84
411	410	Shell-Thick	SLE-RARA	-10.5031	-5.3998	41.63	2.87
411	410	Shell-Thick	SLE-RARA	-10.6828	-5.8417	42.66	2.87
411	410	Shell-Thick	SLE-FREQ.	-2.1731	-2.9853	41.73	1.70
411	410	Shell-Thick	SLE-FREQ.	-2.0636	-2.5186	40.74	1.70
411	410	Shell-Thick	SLE-FREQ.	-10.2888	-5.3129	40.74	2.68
411	410	Shell-Thick	SLE-FREQ.	-10.4563	-5.7226	41.73	2.68
411	410	Shell-Thick	SLE-QP	-2.0451	-2.7909	38.92	1.27
411	410	Shell-Thick	SLE-QP	-1.9647	-2.4282	38.08	1.27
411	410	Shell-Thick	SLE-QP	-9.6459	-5.0522	38.08	2.11
411	410	Shell-Thick	SLE-QP	-9.7769	-5.3651	38.92	2.11
412	411	Shell-Thick	SLU-STATICA	-14.1086	-7.7872	39.66	3.74
412	411	Shell-Thick	SLU-STATICA	-13.3237	-6.8992	38.54	3.74
412	411	Shell-Thick	SLU-STATICA	-21.1222	-9.7290	38.54	4.86
412	411	Shell-Thick	SLU-STATICA	-21.9621	-10.5631	39.66	4.86
412	411	Shell-Thick	SLU-SISMICA	-17.7644	-9.7255	50.67	8.51
412	411	Shell-Thick	SLU-SISMICA	-16.4453	-7.7836	48.74	8.51
412	411	Shell-Thick	SLU-SISMICA	-26.3467	-11.2502	48.74	10.44
412	411	Shell-Thick	SLU-SISMICA	-27.7603	-13.0997	50.67	10.44
412	411	Shell-Thick	SLE-RARA	-10.7131	-5.9147	30.10	2.76
412	411	Shell-Thick	SLE-RARA	-10.1238	-5.2570	29.26	2.76
412	411	Shell-Thick	SLE-RARA	-16.0437	-7.4077	29.26	3.61
412	411	Shell-Thick	SLE-RARA	-16.6744	-8.0249	30.10	3.61
412	411	Shell-Thick	SLE-FREQ.	-10.4861	-5.7920	29.44	2.58
412	411	Shell-Thick	SLE-FREQ.	-9.9203	-5.1757	28.63	2.58
412	411	Shell-Thick	SLE-FREQ.	-15.7121	-7.2840	28.63	3.39
412	411	Shell-Thick	SLE-FREQ.	-16.3175	-7.8616	29.44	3.39
412	411	Shell-Thick	SLE-QP	-9.8052	-5.4240	27.45	2.02
412	411	Shell-Thick	SLE-QP	-9.3099	-4.9317	26.75	2.02
412	411	Shell-Thick	SLE-QP	-14.7172	-6.9130	26.75	2.73
412	411	Shell-Thick	SLE-QP	-15.2470	-7.3715	27.45	2.73
413	412	Shell-Thick	SLU-STATICA	-21.8480	-10.6031	23.59	4.76
413	412	Shell-Thick	SLU-STATICA	-20.5993	-9.5615	22.87	4.76
413	412	Shell-Thick	SLU-STATICA	-25.2332	-11.3207	22.87	5.49
413	412	Shell-Thick	SLU-STATICA	-26.5140	-12.3310	23.59	5.49
413	412	Shell-Thick	SLU-SISMICA	-27.6264	-13.1918	30.17	10.24
413	412	Shell-Thick	SLU-SISMICA	-25.6507	-10.9921	28.95	10.24
413	412	Shell-Thick	SLU-SISMICA	-31.5400	-13.1443	28.95	11.46
413	412	Shell-Thick	SLU-SISMICA	-33.5708	-15.2901	30.17	11.46
413	412	Shell-Thick	SLE-RARA	-16.5875	-8.0545	17.91	3.53
413	412	Shell-Thick	SLE-RARA	-15.6474	-7.2815	17.36	3.53
413	412	Shell-Thick	SLE-RARA	-19.1651	-8.6186	17.36	4.08
413	412	Shell-Thick	SLE-RARA	-20.1291	-9.3681	17.91	4.08
413	412	Shell-Thick	SLE-FREQ.	-16.2322	-7.8891	17.51	3.31
413	412	Shell-Thick	SLE-FREQ.	-15.3255	-7.1620	16.99	3.31
413	412	Shell-Thick	SLE-FREQ.	-18.7667	-8.4729	16.99	3.84
413	412	Shell-Thick	SLE-FREQ.	-19.6965	-9.1775	17.51	3.84
413	412	Shell-Thick	SLE-QP	-15.1662	-7.3930	16.33	2.67
413	412	Shell-Thick	SLE-QP	-14.3595	-6.8037	15.87	2.67
413	412	Shell-Thick	SLE-QP	-17.5717	-8.0359	15.87	3.12
413	412	Shell-Thick	SLE-QP	-18.3985	-8.6056	16.33	3.12
414	413	Shell-Thick	SLU-STATICA	-26.4141	-12.3435	7.83	5.44
414	413	Shell-Thick	SLU-STATICA	-24.9166	-11.2249	7.58	5.44
414	413	Shell-Thick	SLU-STATICA	-26.4536	-11.8191	7.58	5.69
414	413	Shell-Thick	SLU-STATICA	-27.9616	-12.9276	7.83	5.69
414	413	Shell-Thick	SLU-SISMICA	-33.4540	-15.3273	10.02	11.37
414	413	Shell-Thick	SLU-SISMICA	-31.1278	-13.0013	9.60	11.37



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414	413	Shell-Thick	SLU-SISMICA	-33.0821	-13.7262	9.60	11.78
414	413	Shell-Thick	SLU-SISMICA	-35.4264	-16.0345	10.02	11.78
414	413	Shell-Thick	SLE-RARA	-20.0531	-9.3771	5.94	4.04
414	413	Shell-Thick	SLE-RARA	-18.9249	-8.5463	5.75	4.04
414	413	Shell-Thick	SLE-RARA	-20.0916	-8.9980	5.75	4.23
414	413	Shell-Thick	SLE-RARA	-21.2276	-9.8212	5.94	4.23
414	413	Shell-Thick	SLE-FREQ.	-19.6217	-9.1856	5.81	3.80
414	413	Shell-Thick	SLE-FREQ.	-18.5321	-8.4029	5.63	3.80
414	413	Shell-Thick	SLE-FREQ.	-19.6735	-8.8458	5.63	3.98
414	413	Shell-Thick	SLE-FREQ.	-20.7706	-9.6212	5.81	3.98
414	413	Shell-Thick	SLE-QP	-18.3277	-8.6110	5.42	3.09
414	413	Shell-Thick	SLE-QP	-17.3537	-7.9727	5.26	3.09
414	413	Shell-Thick	SLE-QP	-18.4190	-8.3892	5.26	3.25
414	413	Shell-Thick	SLE-QP	-19.3995	-9.0212	5.42	3.25
415	414	Shell-Thick	SLU-STATICA	-27.9616	-12.9276	-7.83	5.69
415	414	Shell-Thick	SLU-STATICA	-26.4536	-11.8191	-7.58	5.69
415	414	Shell-Thick	SLU-STATICA	-24.9166	-11.2249	-7.58	5.44
415	414	Shell-Thick	SLU-STATICA	-26.4141	-12.3435	-7.83	5.44
415	414	Shell-Thick	SLU-SISMICA	-35.4264	-16.0345	-10.02	11.78
415	414	Shell-Thick	SLU-SISMICA	-33.0821	-13.7262	-9.60	11.78
415	414	Shell-Thick	SLU-SISMICA	-31.1278	-13.0013	-9.60	11.37
415	414	Shell-Thick	SLU-SISMICA	-33.4540	-15.3273	-10.02	11.37
415	414	Shell-Thick	SLE-RARA	-21.2276	-9.8212	-5.94	4.23
415	414	Shell-Thick	SLE-RARA	-20.0916	-8.9980	-5.75	4.23
415	414	Shell-Thick	SLE-RARA	-18.9249	-8.5463	-5.75	4.04
415	414	Shell-Thick	SLE-RARA	-20.0531	-9.3771	-5.94	4.04
415	414	Shell-Thick	SLE-FREQ.	-20.7706	-9.6212	-5.81	3.98
415	414	Shell-Thick	SLE-FREQ.	-19.6735	-8.8458	-5.63	3.98
415	414	Shell-Thick	SLE-FREQ.	-18.5321	-8.4029	-5.63	3.80
415	414	Shell-Thick	SLE-FREQ.	-19.6217	-9.1856	-5.81	3.80
415	414	Shell-Thick	SLE-QP	-19.3995	-9.0212	-5.42	3.25
415	414	Shell-Thick	SLE-QP	-18.4190	-8.3892	-5.26	3.25
415	414	Shell-Thick	SLE-QP	-17.3537	-7.9727	-5.26	3.09
415	414	Shell-Thick	SLE-QP	-18.3277	-8.6110	-5.42	3.09
416	415	Shell-Thick	SLU-STATICA	-26.5140	-12.3310	-23.59	5.49
416	415	Shell-Thick	SLU-STATICA	-25.2332	-11.3207	-22.87	5.49
416	415	Shell-Thick	SLU-STATICA	-20.5993	-9.5615	-22.87	4.76
416	415	Shell-Thick	SLU-STATICA	-21.8480	-10.6031	-23.59	4.76
416	415	Shell-Thick	SLU-SISMICA	-33.5708	-15.2901	-30.17	11.46
416	415	Shell-Thick	SLU-SISMICA	-31.5400	-13.1443	-28.95	11.46
416	415	Shell-Thick	SLU-SISMICA	-25.6507	-10.9921	-28.95	10.24
416	415	Shell-Thick	SLU-SISMICA	-27.6264	-13.1918	-30.17	10.24
416	415	Shell-Thick	SLE-RARA	-20.1291	-9.3681	-17.91	4.08
416	415	Shell-Thick	SLE-RARA	-19.1651	-8.6186	-17.36	4.08
416	415	Shell-Thick	SLE-RARA	-15.6474	-7.2815	-17.36	3.53
416	415	Shell-Thick	SLE-RARA	-16.5875	-8.0545	-17.91	3.53
416	415	Shell-Thick	SLE-FREQ.	-19.6965	-9.1775	-17.51	3.84
416	415	Shell-Thick	SLE-FREQ.	-18.7667	-8.4729	-16.99	3.84
416	415	Shell-Thick	SLE-FREQ.	-15.3255	-7.1620	-16.99	3.31
416	415	Shell-Thick	SLE-FREQ.	-16.2322	-7.8891	-17.51	3.31
416	415	Shell-Thick	SLE-QP	-18.3985	-8.6056	-16.33	3.12
416	415	Shell-Thick	SLE-QP	-17.5717	-8.0359	-15.87	3.12
416	415	Shell-Thick	SLE-QP	-14.3595	-6.8037	-15.87	2.67
416	415	Shell-Thick	SLE-QP	-15.1662	-7.3930	-16.33	2.67
417	416	Shell-Thick	SLU-STATICA	-21.9621	-10.5631	-39.66	4.86
417	416	Shell-Thick	SLU-STATICA	-21.1222	-9.7290	-38.54	4.86
417	416	Shell-Thick	SLU-STATICA	-13.3237	-6.8992	-38.54	3.74
417	416	Shell-Thick	SLU-STATICA	-14.1086	-7.7872	-39.66	3.74
417	416	Shell-Thick	SLU-SISMICA	-27.7603	-13.0997	-50.67	10.44
417	416	Shell-Thick	SLU-SISMICA	-26.3467	-11.2502	-48.74	10.44
417	416	Shell-Thick	SLU-SISMICA	-16.4453	-7.7836	-48.74	8.51
417	416	Shell-Thick	SLU-SISMICA	-17.7644	-9.7255	-50.67	8.51
417	416	Shell-Thick	SLE-RARA	-16.6744	-8.0249	-30.10	3.61
417	416	Shell-Thick	SLE-RARA	-16.0437	-7.4077	-29.26	3.61
417	416	Shell-Thick	SLE-RARA	-10.1238	-5.2570	-29.26	2.76
417	416	Shell-Thick	SLE-RARA	-10.7131	-5.9147	-30.10	2.76
417	416	Shell-Thick	SLE-FREQ.	-16.3175	-7.8616	-29.44	3.39
417	416	Shell-Thick	SLE-FREQ.	-15.7121	-7.2840	-28.63	3.39
417	416	Shell-Thick	SLE-FREQ.	-9.9203	-5.1757	-28.63	2.58

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417	416 Shell-Thick	SLE-FREQ.	-10.4861	-5.7920	-29.44	2.58
417	416 Shell-Thick	SLE-QP	-15.2470	-7.3715	-27.45	2.73
417	416 Shell-Thick	SLE-QP	-14.7172	-6.9130	-26.75	2.73
417	416 Shell-Thick	SLE-QP	-9.3099	-4.9317	-26.75	2.02
417	416 Shell-Thick	SLE-QP	-9.8052	-5.4240	-27.45	2.02
418	417 Shell-Thick	SLU-STATICA	-14.0688	-7.6895	-56.21	3.89
418	417 Shell-Thick	SLU-STATICA	-13.8254	-7.0893	-54.83	3.89
418	417 Shell-Thick	SLU-STATICA	-2.7518	-3.3375	-54.83	2.51
418	417 Shell-Thick	SLU-STATICA	-2.9146	-4.0169	-56.21	2.51
418	417 Shell-Thick	SLU-SISMICA	-17.7188	-9.5430	-71.73	8.78
418	417 Shell-Thick	SLU-SISMICA	-17.1608	-8.1000	-69.25	8.78
418	417 Shell-Thick	SLU-SISMICA	-3.1202	-3.4854	-69.25	6.30
418	417 Shell-Thick	SLU-SISMICA	-3.5415	-5.0626	-71.73	6.30
418	417 Shell-Thick	SLE-RARA	-10.6828	-5.8417	-42.66	2.87
418	417 Shell-Thick	SLE-RARA	-10.5031	-5.3998	-41.63	2.87
418	417 Shell-Thick	SLE-RARA	-2.0965	-2.5488	-41.63	1.84
418	417 Shell-Thick	SLE-RARA	-2.2158	-3.0501	-42.66	1.84
418	417 Shell-Thick	SLE-FREQ.	-10.4563	-5.7226	-41.73	2.68
418	417 Shell-Thick	SLE-FREQ.	-10.2888	-5.3129	-40.74	2.68
418	417 Shell-Thick	SLE-FREQ.	-2.0636	-2.5186	-40.74	1.70
418	417 Shell-Thick	SLE-FREQ.	-2.1731	-2.9853	-41.73	1.70
418	417 Shell-Thick	SLE-QP	-9.7769	-5.3651	-38.92	2.11
418	417 Shell-Thick	SLE-QP	-9.6459	-5.0522	-38.08	2.11
418	417 Shell-Thick	SLE-QP	-1.9647	-2.4282	-38.08	1.27
418	417 Shell-Thick	SLE-QP	-2.0451	-2.7909	-38.92	1.27
419	418 Shell-Thick	SLU-STATICA	-2.4700	-3.8168	-73.42	2.69
419	418 Shell-Thick	SLU-STATICA	-2.8896	-3.4762	-71.98	2.69
419	418 Shell-Thick	SLU-STATICA	11.6088	0.9733	-71.98	1.25
419	418 Shell-Thick	SLU-STATICA	12.1367	0.5258	-73.42	1.25
419	418 Shell-Thick	SLU-SISMICA	-3.0230	-4.7372	-93.54	6.66
419	418 Shell-Thick	SLU-SISMICA	-3.4558	-3.7742	-90.73	6.66
419	418 Shell-Thick	SLU-SISMICA	14.8952	1.7250	-90.73	3.86
419	418 Shell-Thick	SLU-SISMICA	15.5106	0.5823	-93.54	3.86
419	418 Shell-Thick	SLE-RARA	-1.8773	-2.8996	-55.73	1.97
419	418 Shell-Thick	SLE-RARA	-2.1978	-2.6518	-54.66	1.97
419	418 Shell-Thick	SLE-RARA	8.8093	0.7290	-54.66	0.90
419	418 Shell-Thick	SLE-RARA	9.2111	0.4008	-55.73	0.90
419	418 Shell-Thick	SLE-FREQ.	-1.8405	-2.8405	-54.51	1.82
419	418 Shell-Thick	SLE-FREQ.	-2.1573	-2.6156	-53.50	1.82
419	418 Shell-Thick	SLE-FREQ.	8.6134	0.6969	-53.50	0.81
419	418 Shell-Thick	SLE-FREQ.	9.0084	0.3950	-54.51	0.81
419	418 Shell-Thick	SLE-QP	-1.7298	-2.6630	-50.86	1.37
419	418 Shell-Thick	SLE-QP	-2.0359	-2.5072	-50.01	1.37
419	418 Shell-Thick	SLE-QP	8.0257	0.6007	-50.01	0.52
419	418 Shell-Thick	SLE-QP	8.4001	0.3775	-50.86	0.52
420	419 Shell-Thick	SLU-STATICA	13.3046	0.8861	-91.42	1.46
420	419 Shell-Thick	SLU-STATICA	12.3010	0.9850	-90.17	1.46
420	419 Shell-Thick	SLU-STATICA	30.4063	5.8500	-90.17	0.21
420	419 Shell-Thick	SLU-STATICA	31.5479	5.6144	-91.42	0.21
420	419 Shell-Thick	SLU-SISMICA	16.8759	1.1192	-116.25	4.28
420	419 Shell-Thick	SLU-SISMICA	15.4834	1.5787	-113.42	4.28
420	419 Shell-Thick	SLU-SISMICA	38.3539	7.6396	-113.42	1.45
420	419 Shell-Thick	SLU-SISMICA	39.9774	6.9519	-116.25	1.45
420	419 Shell-Thick	SLE-RARA	10.1001	0.6728	-69.39	1.06
420	419 Shell-Thick	SLE-RARA	9.3407	0.7411	-68.47	1.06
420	419 Shell-Thick	SLE-RARA	23.0871	4.4366	-68.47	0.14
420	419 Shell-Thick	SLE-RARA	23.9501	4.2656	-69.39	0.14
420	419 Shell-Thick	SLE-FREQ.	9.8820	0.6584	-67.88	0.95
420	419 Shell-Thick	SLE-FREQ.	9.1429	0.7141	-67.03	0.95
420	419 Shell-Thick	SLE-FREQ.	22.5956	4.3335	-67.03	9.626E-02
420	419 Shell-Thick	SLE-FREQ.	23.4343	4.1791	-67.88	9.626E-02
420	419 Shell-Thick	SLE-QP	9.2277	0.6153	-63.36	0.64
420	419 Shell-Thick	SLE-QP	8.5498	0.6332	-62.69	0.64
420	419 Shell-Thick	SLE-QP	21.1214	4.0241	-62.69	-3.015E-02
420	419 Shell-Thick	SLE-QP	21.8866	3.9197	-63.36	-3.015E-02
421	420 Shell-Thick	SLU-STATICA	33.8074	6.2025	-110.29	0.44
421	420 Shell-Thick	SLU-STATICA	32.4974	6.1320	-109.54	0.44
421	420 Shell-Thick	SLU-STATICA	54.4142	11.0787	-109.54	-0.31
421	420 Shell-Thick	SLU-STATICA	55.8918	10.9825	-110.29	-0.31

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421	420	Shell-Thick	SLU-SISMICA	42.6237	7.7806	-139.97	1.93
421	420	Shell-Thick	SLU-SISMICA	40.5330	7.7760	-137.45	1.93
421	420	Shell-Thick	SLU-SISMICA	68.1573	14.0054	-137.45	-0.59
421	420	Shell-Thick	SLU-SISMICA	70.5287	13.7318	-139.97	-0.59
421	420	Shell-Thick	SLE-RARA	25.6699	4.7104	-83.72	0.30
421	420	Shell-Thick	SLE-RARA	24.6840	4.6551	-83.18	0.30
421	420	Shell-Thick	SLE-RARA	41.3256	8.4113	-83.18	-0.23
421	420	Shell-Thick	SLE-RARA	42.4372	8.3413	-83.72	-0.23
421	420	Shell-Thick	SLE-FREQ.	25.1242	4.6115	-81.91	0.25
421	420	Shell-Thick	SLE-FREQ.	24.1739	4.5546	-81.44	0.25
421	420	Shell-Thick	SLE-FREQ.	40.4619	8.2312	-81.44	-0.22
421	420	Shell-Thick	SLE-FREQ.	41.5330	8.1678	-81.91	-0.22
421	420	Shell-Thick	SLE-QP	23.4870	4.3151	-76.48	9.500E-02
421	420	Shell-Thick	SLE-QP	22.6434	4.2533	-76.20	9.500E-02
421	420	Shell-Thick	SLE-QP	37.8709	7.6910	-76.20	-0.19
421	420	Shell-Thick	SLE-QP	38.8204	7.6473	-76.48	-0.19
422	421	Shell-Thick	SLU-STATICA	54.2718	10.4958	109.56	-0.56
422	421	Shell-Thick	SLU-STATICA	51.7825	10.7150	107.41	-0.56
422	421	Shell-Thick	SLU-STATICA	30.1858	5.6929	107.41	1.58
422	421	Shell-Thick	SLU-STATICA	32.4384	5.7082	109.56	1.58
422	421	Shell-Thick	SLU-SISMICA	67.8334	13.0055	137.61	-0.88
422	421	Shell-Thick	SLU-SISMICA	64.2892	13.4190	133.48	-0.88
422	421	Shell-Thick	SLU-SISMICA	37.3369	7.1649	133.48	3.25
422	421	Shell-Thick	SLU-SISMICA	40.5229	7.1055	137.61	3.25
422	421	Shell-Thick	SLE-RARA	41.2204	7.9741	83.20	-0.42
422	421	Shell-Thick	SLE-RARA	39.3385	8.1377	81.60	-0.42
422	421	Shell-Thick	SLE-RARA	22.9345	4.3229	81.60	1.18
422	421	Shell-Thick	SLE-RARA	24.6380	4.3361	83.20	1.18
422	421	Shell-Thick	SLE-FREQ.	40.3638	7.8121	81.45	-0.41
422	421	Shell-Thick	SLE-FREQ.	38.5354	7.9677	79.93	-0.41
422	421	Shell-Thick	SLE-FREQ.	22.4710	4.2314	79.93	1.11
422	421	Shell-Thick	SLE-FREQ.	24.1267	4.2469	81.45	1.11
422	421	Shell-Thick	SLE-QP	37.7939	7.3262	76.19	-0.37
422	421	Shell-Thick	SLE-QP	36.1260	7.4577	74.92	-0.37
422	421	Shell-Thick	SLE-QP	21.0802	3.9569	74.92	0.91
422	421	Shell-Thick	SLE-QP	22.5928	3.9795	76.19	0.91
423	422	Shell-Thick	SLU-STATICA	30.1422	5.0086	90.31	1.19
423	422	Shell-Thick	SLU-STATICA	28.5017	5.5965	87.74	1.19
423	422	Shell-Thick	SLU-STATICA	10.7758	0.5509	87.74	3.76
423	422	Shell-Thick	SLU-STATICA	12.2294	0.1473	90.31	3.76
423	422	Shell-Thick	SLU-SISMICA	37.8667	6.1570	113.69	2.57
423	422	Shell-Thick	SLU-SISMICA	35.6683	7.2484	109.33	2.57
423	422	Shell-Thick	SLU-SISMICA	13.4908	1.0377	109.33	6.93
423	422	Shell-Thick	SLU-SISMICA	15.4038	0.2275	113.69	6.93
423	422	Shell-Thick	SLE-RARA	22.8896	3.8062	68.57	0.88
423	422	Shell-Thick	SLE-RARA	21.6467	4.2455	66.65	0.88
423	422	Shell-Thick	SLE-RARA	8.1840	0.4114	66.65	2.81
423	422	Shell-Thick	SLE-RARA	9.2860	0.1110	68.57	2.81
423	422	Shell-Thick	SLE-FREQ.	22.4075	3.7305	67.12	0.83
423	422	Shell-Thick	SLE-FREQ.	21.1953	4.1488	65.27	0.83
423	422	Shell-Thick	SLE-FREQ.	8.0131	0.3912	65.27	2.68
423	422	Shell-Thick	SLE-FREQ.	9.0891	0.1073	67.12	2.68
423	422	Shell-Thick	SLE-QP	20.9613	3.5035	62.76	0.67
423	422	Shell-Thick	SLE-QP	19.8413	3.8589	61.15	0.67
423	422	Shell-Thick	SLE-QP	7.5007	0.3307	61.15	2.28
423	422	Shell-Thick	SLE-QP	8.4983	0.0960	62.76	2.28
424	423	Shell-Thick	SLU-STATICA	11.2330	-0.2691	72.17	3.41
424	423	Shell-Thick	SLU-STATICA	10.6555	0.7440	69.56	3.41
424	423	Shell-Thick	SLU-STATICA	-3.4586	-3.9045	69.56	6.02
424	423	Shell-Thick	SLU-STATICA	-3.0228	-4.7784	72.17	6.02
424	423	Shell-Thick	SLU-SISMICA	14.2639	-0.3666	91.04	6.34
424	423	Shell-Thick	SLU-SISMICA	13.5940	1.4244	86.90	6.34
424	423	Shell-Thick	SLU-SISMICA	-4.1057	-4.2574	86.90	10.48
424	423	Shell-Thick	SLU-SISMICA	-3.6547	-5.8336	91.04	10.48
424	423	Shell-Thick	SLE-RARA	8.5272	-0.2037	54.80	2.55
424	423	Shell-Thick	SLE-RARA	8.0874	0.5551	52.84	2.55
424	423	Shell-Thick	SLE-RARA	-2.6312	-2.9782	52.84	4.51
424	423	Shell-Thick	SLE-RARA	-2.2983	-3.6321	54.80	4.51
424	423	Shell-Thick	SLE-FREQ.	8.3425	-0.1985	53.63	2.43

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424	423	Shell-Thick	SLE-FREQ.	7.9102	0.5271	51.74	2.43
424	423	Shell-Thick	SLE-FREQ.	-2.5838	-2.9370	51.74	4.32
424	423	Shell-Thick	SLE-FREQ.	-2.2547	-3.5612	53.63	4.32
424	423	Shell-Thick	SLE-QP	7.7885	-0.1828	50.13	2.06
424	423	Shell-Thick	SLE-QP	7.3785	0.4431	48.45	2.06
424	423	Shell-Thick	SLE-QP	-2.4414	-2.8135	48.45	3.74
424	423	Shell-Thick	SLE-QP	-2.1237	-3.3486	50.13	3.74
425	424	Shell-Thick	SLU-STATICA	-3.2125	-5.0031	55.02	5.72
425	424	Shell-Thick	SLU-STATICA	-2.7481	-3.5757	52.69	5.72
425	424	Shell-Thick	SLU-STATICA	-13.4776	-7.4926	52.69	8.05
425	424	Shell-Thick	SLU-STATICA	-14.0440	-8.8202	55.02	8.05
425	424	Shell-Thick	SLU-SISMICA	-3.8578	-6.1815	69.54	9.99
425	424	Shell-Thick	SLU-SISMICA	-3.0862	-3.7462	65.97	9.99
425	424	Shell-Thick	SLU-SISMICA	-16.5683	-8.5087	65.97	13.56
425	424	Shell-Thick	SLU-SISMICA	-17.4999	-10.7877	69.54	13.56
425	424	Shell-Thick	SLE-RARA	-2.4432	-3.8014	41.78	4.28
425	424	Shell-Thick	SLE-RARA	-2.0943	-2.7304	40.02	4.28
425	424	Shell-Thick	SLE-RARA	-10.2420	-5.7080	40.02	6.04
425	424	Shell-Thick	SLE-RARA	-10.6678	-6.7039	41.78	6.04
425	424	Shell-Thick	SLE-FREQ.	-2.3976	-3.7248	40.88	4.10
425	424	Shell-Thick	SLE-FREQ.	-2.0624	-2.6977	39.18	4.10
425	424	Shell-Thick	SLE-FREQ.	-10.0384	-5.6179	39.18	5.80
425	424	Shell-Thick	SLE-FREQ.	-10.4479	-6.5724	40.88	5.80
425	424	Shell-Thick	SLE-QP	-2.2610	-3.4949	38.20	3.55
425	424	Shell-Thick	SLE-QP	-1.9666	-2.5997	36.68	3.55
425	424	Shell-Thick	SLE-QP	-9.4275	-5.3474	36.68	5.07
425	424	Shell-Thick	SLE-QP	-9.7881	-6.1781	38.20	5.07
426	425	Shell-Thick	SLU-STATICA	-13.8353	-8.9264	38.69	7.81
426	425	Shell-Thick	SLU-STATICA	-12.4913	-7.1474	36.87	7.81
426	425	Shell-Thick	SLU-STATICA	-20.0203	-10.0988	36.87	9.63
426	425	Shell-Thick	SLU-STATICA	-21.4325	-11.8114	38.69	9.63
426	425	Shell-Thick	SLU-SISMICA	-17.2432	-10.9756	48.97	13.18
426	425	Shell-Thick	SLU-SISMICA	-15.2780	-8.0115	46.24	13.18
426	425	Shell-Thick	SLU-SISMICA	-24.7537	-11.5907	46.24	15.91
426	425	Shell-Thick	SLU-SISMICA	-26.8270	-14.4494	48.97	15.91
426	425	Shell-Thick	SLE-RARA	-10.5091	-6.7834	29.38	5.86
426	425	Shell-Thick	SLE-RARA	-9.4941	-5.4472	28.00	5.86
426	425	Shell-Thick	SLE-RARA	-15.2112	-7.6911	28.00	7.24
426	425	Shell-Thick	SLE-RARA	-16.2776	-8.9773	29.38	7.24
426	425	Shell-Thick	SLE-FREQ.	-10.2924	-6.6485	28.75	5.63
426	425	Shell-Thick	SLE-FREQ.	-9.3080	-5.3647	27.42	5.63
426	425	Shell-Thick	SLE-FREQ.	-14.9040	-7.5655	27.42	6.96
426	425	Shell-Thick	SLE-FREQ.	-15.9380	-8.8011	28.75	6.96
426	425	Shell-Thick	SLE-QP	-9.6421	-6.2436	26.85	4.92
426	425	Shell-Thick	SLE-QP	-8.7494	-5.1170	25.65	4.92
426	425	Shell-Thick	SLE-QP	-13.9826	-7.1890	25.65	6.12
426	425	Shell-Thick	SLE-QP	-14.9193	-8.2727	26.85	6.12
427	426	Shell-Thick	SLU-STATICA	-21.1266	-11.8530	22.97	9.47
427	426	Shell-Thick	SLU-STATICA	-19.1566	-9.8233	21.82	9.47
427	426	Shell-Thick	SLU-STATICA	-23.6195	-11.6490	21.82	10.62
427	426	Shell-Thick	SLU-STATICA	-25.6283	-13.6411	22.97	10.62
427	426	Shell-Thick	SLU-SISMICA	-26.4620	-14.5405	29.10	15.65
427	426	Shell-Thick	SLU-SISMICA	-23.6544	-11.2067	27.39	15.65
427	426	Shell-Thick	SLU-SISMICA	-29.2773	-13.4152	27.39	17.36
427	426	Shell-Thick	SLU-SISMICA	-32.1472	-16.6883	29.10	17.36
427	426	Shell-Thick	SLE-RARA	-16.0449	-9.0081	17.44	7.11
427	426	Shell-Thick	SLE-RARA	-14.5556	-7.4826	16.57	7.11
427	426	Shell-Thick	SLE-RARA	-17.9443	-8.8708	16.57	7.99
427	426	Shell-Thick	SLE-RARA	-19.4628	-10.3679	17.44	7.99
427	426	Shell-Thick	SLE-FREQ.	-15.7096	-8.8300	17.06	6.84
427	426	Shell-Thick	SLE-FREQ.	-14.2627	-7.3627	16.22	6.84
427	426	Shell-Thick	SLE-FREQ.	-17.5796	-8.7245	16.22	7.68
427	426	Shell-Thick	SLE-FREQ.	-19.0545	-10.1645	17.06	7.68
427	426	Shell-Thick	SLE-QP	-14.7036	-8.2958	15.94	6.02
427	426	Shell-Thick	SLE-QP	-13.3841	-7.0031	15.17	6.02
427	426	Shell-Thick	SLE-QP	-16.4852	-8.2857	15.17	6.78
427	426	Shell-Thick	SLE-QP	-17.8297	-9.5541	15.94	6.78
428	427	Shell-Thick	SLU-STATICA	-25.4265	-13.6532	7.62	10.54
428	427	Shell-Thick	SLU-STATICA	-23.1263	-11.4979	7.22	10.54

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428	427	Shell-Thick	SLU-STATICA	-24.6048	-12.1180	7.22	10.93
428	427	Shell-Thick	SLU-STATICA	-26.9177	-14.2610	7.62	10.93
428	427	Shell-Thick	SLU-SISMICA	-31.9079	-16.7237	9.65	17.23
428	427	Shell-Thick	SLU-SISMICA	-28.6566	-13.2078	9.07	17.23
428	427	Shell-Thick	SLU-SISMICA	-30.5205	-13.9585	9.07	17.81
428	427	Shell-Thick	SLU-SISMICA	-33.7922	-17.4546	9.65	17.81
428	427	Shell-Thick	SLE-RARA	-19.3093	-10.3767	5.78	7.92
428	427	Shell-Thick	SLE-RARA	-17.5698	-8.7564	5.48	7.92
428	427	Shell-Thick	SLE-RARA	-18.6925	-9.2278	5.48	8.22
428	427	Shell-Thick	SLE-RARA	-20.4415	-10.8389	5.78	8.22
428	427	Shell-Thick	SLE-FREQ.	-18.9037	-10.1724	5.66	7.62
428	427	Shell-Thick	SLE-FREQ.	-17.2130	-8.6131	5.37	7.62
428	427	Shell-Thick	SLE-FREQ.	-18.3117	-9.0756	5.37	7.91
428	427	Shell-Thick	SLE-FREQ.	-20.0117	-10.6260	5.66	7.91
428	427	Shell-Thick	SLE-QP	-17.6872	-9.5595	5.28	6.73
428	427	Shell-Thick	SLE-QP	-16.1424	-8.1832	5.02	6.73
428	427	Shell-Thick	SLE-QP	-17.1696	-8.6187	5.02	6.99
428	427	Shell-Thick	SLE-QP	-18.7225	-9.9872	5.28	6.99
429	428	Shell-Thick	SLU-STATICA	-26.9177	-14.2610	-7.62	10.93
429	428	Shell-Thick	SLU-STATICA	-24.6048	-12.1180	-7.22	10.93
429	428	Shell-Thick	SLU-STATICA	-23.1263	-11.4979	-7.22	10.54
429	428	Shell-Thick	SLU-STATICA	-25.4265	-13.6532	-7.62	10.54
429	428	Shell-Thick	SLU-SISMICA	-33.7922	-17.4546	-9.65	17.81
429	428	Shell-Thick	SLU-SISMICA	-30.5205	-13.9585	-9.07	17.81
429	428	Shell-Thick	SLU-SISMICA	-28.6566	-13.2078	-9.07	17.23
429	428	Shell-Thick	SLU-SISMICA	-31.9079	-16.7237	-9.65	17.23
429	428	Shell-Thick	SLE-RARA	-20.4415	-10.8389	-5.78	8.22
429	428	Shell-Thick	SLE-RARA	-18.6925	-9.2278	-5.48	8.22
429	428	Shell-Thick	SLE-RARA	-17.5698	-8.7564	-5.48	7.92
429	428	Shell-Thick	SLE-RARA	-19.3093	-10.3767	-5.78	7.92
429	428	Shell-Thick	SLE-FREQ.	-20.0117	-10.6260	-5.66	7.91
429	428	Shell-Thick	SLE-FREQ.	-18.3117	-9.0756	-5.37	7.91
429	428	Shell-Thick	SLE-FREQ.	-17.2130	-8.6131	-5.37	7.62
429	428	Shell-Thick	SLE-FREQ.	-18.9037	-10.1724	-5.66	7.62
429	428	Shell-Thick	SLE-QP	-18.7225	-9.9872	-5.28	6.99
429	428	Shell-Thick	SLE-QP	-17.1696	-8.6187	-5.02	6.99
429	428	Shell-Thick	SLE-QP	-16.1424	-8.1832	-5.02	6.73
429	428	Shell-Thick	SLE-QP	-17.6872	-9.5595	-5.28	6.73
430	429	Shell-Thick	SLU-STATICA	-25.6283	-13.6411	-22.97	10.62
430	429	Shell-Thick	SLU-STATICA	-23.6195	-11.6490	-21.82	10.62
430	429	Shell-Thick	SLU-STATICA	-19.1565	-9.8233	-21.82	9.47
430	429	Shell-Thick	SLU-STATICA	-21.1266	-11.8530	-22.97	9.47
430	429	Shell-Thick	SLU-SISMICA	-32.1472	-16.6883	-29.10	17.36
430	429	Shell-Thick	SLU-SISMICA	-29.2773	-13.4152	-27.39	17.36
430	429	Shell-Thick	SLU-SISMICA	-23.6544	-11.2067	-27.39	15.65
430	429	Shell-Thick	SLU-SISMICA	-26.4620	-14.5405	-29.10	15.65
430	429	Shell-Thick	SLE-RARA	-19.4628	-10.3679	-17.44	7.99
430	429	Shell-Thick	SLE-RARA	-17.9443	-8.8708	-16.57	7.99
430	429	Shell-Thick	SLE-RARA	-14.5556	-7.4826	-16.57	7.11
430	429	Shell-Thick	SLE-RARA	-16.0449	-9.0081	-17.44	7.11
430	429	Shell-Thick	SLE-FREQ.	-19.0545	-10.1645	-17.06	7.68
430	429	Shell-Thick	SLE-FREQ.	-17.5796	-8.7245	-16.22	7.68
430	429	Shell-Thick	SLE-FREQ.	-14.2627	-7.3627	-16.22	6.84
430	429	Shell-Thick	SLE-FREQ.	-15.7096	-8.8300	-17.06	6.84
430	429	Shell-Thick	SLE-QP	-17.8297	-9.5541	-15.94	6.78
430	429	Shell-Thick	SLE-QP	-16.4852	-8.2857	-15.17	6.78
430	429	Shell-Thick	SLE-QP	-13.3841	-7.0031	-15.17	6.02
430	429	Shell-Thick	SLE-QP	-14.7036	-8.2958	-15.94	6.02
431	430	Shell-Thick	SLU-STATICA	-21.4325	-11.8114	-38.69	9.63
431	430	Shell-Thick	SLU-STATICA	-20.0203	-10.0988	-36.87	9.63
431	430	Shell-Thick	SLU-STATICA	-12.4913	-7.1474	-36.87	7.81
431	430	Shell-Thick	SLU-STATICA	-13.8353	-8.9264	-38.69	7.81
431	430	Shell-Thick	SLU-SISMICA	-26.8270	-14.4494	-48.97	15.91
431	430	Shell-Thick	SLU-SISMICA	-24.7537	-11.5907	-46.24	15.91
431	430	Shell-Thick	SLU-SISMICA	-15.2780	-8.0115	-46.24	13.18
431	430	Shell-Thick	SLU-SISMICA	-17.2432	-10.9756	-48.97	13.18
431	430	Shell-Thick	SLE-RARA	-16.2776	-8.9773	-29.38	7.24
431	430	Shell-Thick	SLE-RARA	-15.2112	-7.6911	-28.00	7.24
431	430	Shell-Thick	SLE-RARA	-9.4941	-5.4472	-28.00	5.86

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431	430	Shell-Thick	SLE-RARA	-10.5091	-6.7834	-29.38	5.86
431	430	Shell-Thick	SLE-FREQ.	-15.9380	-8.8011	-28.75	6.96
431	430	Shell-Thick	SLE-FREQ.	-14.9040	-7.5655	-27.42	6.96
431	430	Shell-Thick	SLE-FREQ.	-9.3080	-5.3647	-27.42	5.63
431	430	Shell-Thick	SLE-FREQ.	-10.2924	-6.6485	-28.75	5.63
431	430	Shell-Thick	SLE-QP	-14.9193	-8.2727	-26.85	6.12
431	430	Shell-Thick	SLE-QP	-13.9826	-7.1890	-25.65	6.12
431	430	Shell-Thick	SLE-QP	-8.7494	-5.1170	-25.65	4.92
431	430	Shell-Thick	SLE-QP	-9.6421	-6.2436	-26.85	4.92
432	431	Shell-Thick	SLU-STATICA	-14.0440	-8.8202	-55.02	8.05
432	431	Shell-Thick	SLU-STATICA	-13.4776	-7.4926	-52.69	8.05
432	431	Shell-Thick	SLU-STATICA	-2.7481	-3.5757	-52.69	5.72
432	431	Shell-Thick	SLU-STATICA	-3.2125	-5.0031	-55.02	5.72
432	431	Shell-Thick	SLU-SISMICA	-17.4999	-10.7877	-69.54	13.56
432	431	Shell-Thick	SLU-SISMICA	-16.5683	-8.5087	-65.97	13.56
432	431	Shell-Thick	SLU-SISMICA	-3.0862	-3.7462	-65.97	9.99
432	431	Shell-Thick	SLU-SISMICA	-3.8578	-6.1815	-69.54	9.99
432	431	Shell-Thick	SLE-RARA	-10.6678	-6.7039	-41.78	6.04
432	431	Shell-Thick	SLE-RARA	-10.2420	-5.7080	-40.02	6.04
432	431	Shell-Thick	SLE-RARA	-2.0943	-2.7304	-40.02	4.28
432	431	Shell-Thick	SLE-RARA	-2.4432	-3.8014	-41.78	4.28
432	431	Shell-Thick	SLE-FREQ.	-10.4479	-6.5724	-40.88	5.80
432	431	Shell-Thick	SLE-FREQ.	-10.0384	-5.6179	-39.18	5.80
432	431	Shell-Thick	SLE-FREQ.	-2.0624	-2.6977	-39.18	4.10
432	431	Shell-Thick	SLE-FREQ.	-2.3976	-3.7248	-40.88	4.10
432	431	Shell-Thick	SLE-QP	-9.7881	-6.1781	-38.20	5.07
432	431	Shell-Thick	SLE-QP	-9.4275	-5.3474	-36.68	5.07
432	431	Shell-Thick	SLE-QP	-1.9666	-2.5997	-36.68	3.55
432	431	Shell-Thick	SLE-QP	-2.2610	-3.4949	-38.20	3.55
433	432	Shell-Thick	SLU-STATICA	-3.0228	-4.7784	-72.17	6.02
433	432	Shell-Thick	SLU-STATICA	-3.4586	-3.9045	-69.56	6.02
433	432	Shell-Thick	SLU-STATICA	10.6555	0.7440	-69.56	3.41
433	432	Shell-Thick	SLU-STATICA	11.2330	-0.2691	-72.17	3.41
433	432	Shell-Thick	SLU-SISMICA	-3.6547	-5.8336	-91.04	10.48
433	432	Shell-Thick	SLU-SISMICA	-4.1057	-4.2574	-86.90	10.48
433	432	Shell-Thick	SLU-SISMICA	13.5940	1.4244	-86.90	6.34
433	432	Shell-Thick	SLU-SISMICA	14.2639	-0.3666	-91.04	6.34
433	432	Shell-Thick	SLE-RARA	-2.2983	-3.6321	-54.80	4.51
433	432	Shell-Thick	SLE-RARA	-2.6312	-2.9782	-52.84	4.51
433	432	Shell-Thick	SLE-RARA	8.0874	0.5551	-52.84	2.55
433	432	Shell-Thick	SLE-RARA	8.5272	-0.2037	-54.80	2.55
433	432	Shell-Thick	SLE-FREQ.	-2.2547	-3.5612	-53.63	4.32
433	432	Shell-Thick	SLE-FREQ.	-2.5838	-2.9370	-51.74	4.32
433	432	Shell-Thick	SLE-FREQ.	7.9102	0.5271	-51.74	2.43
433	432	Shell-Thick	SLE-FREQ.	8.3425	-0.1985	-53.63	2.43
433	432	Shell-Thick	SLE-QP	-2.1237	-3.3486	-50.13	3.74
433	432	Shell-Thick	SLE-QP	-2.4414	-2.8135	-48.45	3.74
433	432	Shell-Thick	SLE-QP	7.3785	0.4431	-48.45	2.06
433	432	Shell-Thick	SLE-QP	7.7885	-0.1828	-50.13	2.06
434	433	Shell-Thick	SLU-STATICA	12.2294	0.1473	-90.31	3.76
434	433	Shell-Thick	SLU-STATICA	10.7758	0.5509	-87.74	3.76
434	433	Shell-Thick	SLU-STATICA	28.5017	5.5965	-87.74	1.19
434	433	Shell-Thick	SLU-STATICA	30.1422	5.0086	-90.31	1.19
434	433	Shell-Thick	SLU-SISMICA	15.4038	0.2275	-113.69	6.93
434	433	Shell-Thick	SLU-SISMICA	13.4908	1.0377	-109.33	6.93
434	433	Shell-Thick	SLU-SISMICA	35.6683	7.2484	-109.33	2.57
434	433	Shell-Thick	SLU-SISMICA	37.8667	6.1570	-113.69	2.57
434	433	Shell-Thick	SLE-RARA	9.2860	0.1110	-68.57	2.81
434	433	Shell-Thick	SLE-RARA	8.1840	0.4114	-66.65	2.81
434	433	Shell-Thick	SLE-RARA	21.6467	4.2455	-66.65	0.88
434	433	Shell-Thick	SLE-RARA	22.8896	3.8062	-68.57	0.88
434	433	Shell-Thick	SLE-FREQ.	9.0891	0.1073	-67.12	2.68
434	433	Shell-Thick	SLE-FREQ.	8.0131	0.3912	-65.27	2.68
434	433	Shell-Thick	SLE-FREQ.	21.1953	4.1488	-65.27	0.83
434	433	Shell-Thick	SLE-FREQ.	22.4075	3.7305	-67.12	0.83
434	433	Shell-Thick	SLE-QP	8.4983	0.0960	-62.76	2.28
434	433	Shell-Thick	SLE-QP	7.5007	0.3307	-61.15	2.28
434	433	Shell-Thick	SLE-QP	19.8413	3.8589	-61.15	0.67
434	433	Shell-Thick	SLE-QP	20.9613	3.5035	-62.76	0.67



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435	434	Shell-Thick	SLU-STATICA	32.4384	5.7082	-109.56	1.58
435	434	Shell-Thick	SLU-STATICA	30.1858	5.6929	-107.41	1.58
435	434	Shell-Thick	SLU-STATICA	51.7825	10.7150	-107.41	-0.56
435	434	Shell-Thick	SLU-STATICA	54.2718	10.4958	-109.56	-0.56
435	434	Shell-Thick	SLU-SISMICA	40.5229	7.1055	-137.61	3.25
435	434	Shell-Thick	SLU-SISMICA	37.3369	7.1649	-133.48	3.25
435	434	Shell-Thick	SLU-SISMICA	64.2892	13.4190	-133.48	-0.88
435	434	Shell-Thick	SLU-SISMICA	67.8334	13.0055	-137.61	-0.88
435	434	Shell-Thick	SLE-RARA	24.6380	4.3361	-83.20	1.18
435	434	Shell-Thick	SLE-RARA	22.9345	4.3229	-81.60	1.18
435	434	Shell-Thick	SLE-RARA	39.3385	8.1377	-81.60	-0.42
435	434	Shell-Thick	SLE-RARA	41.2204	7.9741	-83.20	-0.42
435	434	Shell-Thick	SLE-FREQ.	24.1267	4.2469	-81.45	1.11
435	434	Shell-Thick	SLE-FREQ.	22.4710	4.2314	-79.93	1.11
435	434	Shell-Thick	SLE-FREQ.	38.5354	7.9677	-79.93	-0.41
435	434	Shell-Thick	SLE-FREQ.	40.3638	7.8121	-81.45	-0.41
435	434	Shell-Thick	SLE-QP	22.5928	3.9795	-76.19	0.91
435	434	Shell-Thick	SLE-QP	21.0802	3.9569	-74.92	0.91
435	434	Shell-Thick	SLE-QP	36.1260	7.4577	-74.92	-0.37
435	434	Shell-Thick	SLE-QP	37.7939	7.3262	-76.19	-0.37
436	435	Shell-Thick	SLU-STATICA	51.4642	9.7395	107.58	-0.87
436	435	Shell-Thick	SLU-STATICA	47.7823	10.1098	103.64	-0.87
436	435	Shell-Thick	SLU-STATICA	26.7950	5.0819	103.64	3.07
436	435	Shell-Thick	SLU-STATICA	30.1728	5.0118	107.58	3.07
436	435	Shell-Thick	SLU-SISMICA	63.7624	11.9677	133.81	-1.23
436	435	Shell-Thick	SLU-SISMICA	58.8414	12.5531	127.63	-1.23
436	435	Shell-Thick	SLU-SISMICA	32.8923	6.3583	127.63	4.95
436	435	Shell-Thick	SLU-SISMICA	37.3803	6.1997	133.81	4.95
436	435	Shell-Thick	SLE-RARA	39.0993	7.4015	81.72	-0.66
436	435	Shell-Thick	SLE-RARA	36.3093	7.6802	78.76	-0.66
436	435	Shell-Thick	SLE-RARA	20.3633	3.8597	78.76	2.31
436	435	Shell-Thick	SLE-RARA	22.9235	3.8078	81.72	2.31
436	435	Shell-Thick	SLE-FREQ.	38.3055	7.2545	80.04	-0.64
436	435	Shell-Thick	SLE-FREQ.	35.5840	7.5234	77.18	-0.64
436	435	Shell-Thick	SLE-FREQ.	19.9601	3.7792	77.18	2.22
436	435	Shell-Thick	SLE-FREQ.	22.4581	3.7308	80.04	2.22
436	435	Shell-Thick	SLE-QP	35.9239	6.8136	75.01	-0.58
436	435	Shell-Thick	SLE-QP	33.4082	7.0528	72.46	-0.58
436	435	Shell-Thick	SLE-QP	18.7502	3.5379	72.46	1.97
436	435	Shell-Thick	SLE-QP	21.0621	3.4999	75.01	1.97
437	436	Shell-Thick	SLU-STATICA	28.0326	4.2224	88.02	2.49
437	436	Shell-Thick	SLU-STATICA	25.8696	5.2581	83.78	2.49
437	436	Shell-Thick	SLU-STATICA	8.7914	0.1256	83.78	6.73
437	436	Shell-Thick	SLU-STATICA	10.7233	-0.6833	88.02	6.73
437	436	Shell-Thick	SLU-SISMICA	34.9459	5.1593	109.77	4.06
437	436	Shell-Thick	SLU-SISMICA	32.1495	6.7633	103.50	4.06
437	436	Shell-Thick	SLU-SISMICA	10.9716	0.5113	103.50	10.33
437	436	Shell-Thick	SLU-SISMICA	13.4347	-0.7657	109.77	10.33
437	436	Shell-Thick	SLE-RARA	21.2931	3.2094	66.86	1.87
437	436	Shell-Thick	SLE-RARA	19.6521	3.9898	63.65	1.87
437	436	Shell-Thick	SLE-RARA	6.6775	0.0882	63.65	5.07
437	436	Shell-Thick	SLE-RARA	8.1439	-0.5207	66.86	5.07
437	436	Shell-Thick	SLE-FREQ.	20.8536	3.1466	65.48	1.80
437	436	Shell-Thick	SLE-FREQ.	19.2499	3.9005	62.37	1.80
437	436	Shell-Thick	SLE-FREQ.	6.5393	0.0746	62.37	4.90
437	436	Shell-Thick	SLE-FREQ.	7.9736	-0.5129	65.48	4.90
437	436	Shell-Thick	SLE-QP	19.5353	2.9583	61.33	1.59
437	436	Shell-Thick	SLE-QP	18.0431	3.6327	58.52	1.59
437	436	Shell-Thick	SLE-QP	6.1247	0.0338	58.52	4.39
437	436	Shell-Thick	SLE-QP	7.4627	-0.4892	61.33	4.39
438	437	Shell-Thick	SLU-STATICA	10.0634	-1.1403	69.88	6.21
438	437	Shell-Thick	SLU-STATICA	9.4942	0.5912	65.82	6.21
438	437	Shell-Thick	SLU-STATICA	-4.0029	-4.1329	65.82	10.27
438	437	Shell-Thick	SLU-STATICA	-3.6024	-5.6997	69.88	10.27
438	437	Shell-Thick	SLU-SISMICA	12.7158	-1.3975	87.36	9.55
438	437	Shell-Thick	SLU-SISMICA	12.0601	1.2171	81.56	9.55
438	437	Shell-Thick	SLU-SISMICA	-4.7221	-4.4951	81.56	15.36
438	437	Shell-Thick	SLU-SISMICA	-4.3139	-6.8681	87.36	15.36
438	437	Shell-Thick	SLE-RARA	7.6406	-0.8666	53.08	4.68

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438	437 Shell-Thick	SLE-RARA	7.2071	0.4394	50.01	4.68
438	437 Shell-Thick	SLE-RARA	-3.0459	-3.1526	50.01	7.75
438	437 Shell-Thick	SLE-RARA	-2.7399	-4.3342	53.08	7.75
438	437 Shell-Thick	SLE-FREQ.	7.4772	-0.8495	51.97	4.52
438	437 Shell-Thick	SLE-FREQ.	7.0509	0.4143	48.99	4.52
438	437 Shell-Thick	SLE-FREQ.	-2.9920	-3.1093	48.99	7.50
438	437 Shell-Thick	SLE-FREQ.	-2.6892	-4.2527	51.97	7.50
438	437 Shell-Thick	SLE-QP	6.9871	-0.7983	48.66	4.05
438	437 Shell-Thick	SLE-QP	6.5823	0.3392	45.94	4.05
438	437 Shell-Thick	SLE-QP	-2.8301	-2.9797	45.94	6.77
438	437 Shell-Thick	SLE-QP	-2.5373	-4.0080	48.66	6.77
439	438 Shell-Thick	SLU-STATICA	-3.4207	-5.9405	52.99	9.83
439	438 Shell-Thick	SLU-STATICA	-2.5546	-3.5661	49.49	9.83
439	438 Shell-Thick	SLU-STATICA	-12.7525	-7.5239	49.49	13.33
439	438 Shell-Thick	SLU-STATICA	-13.7363	-9.7842	52.99	13.33
439	438 Shell-Thick	SLU-SISMICA	-4.0643	-7.2278	66.39	14.71
439	438 Shell-Thick	SLU-SISMICA	-2.8275	-3.7066	61.48	14.71
439	438 Shell-Thick	SLU-SISMICA	-15.5372	-8.4728	61.48	19.62
439	438 Shell-Thick	SLU-SISMICA	-16.9495	-11.8234	66.39	19.62
439	438 Shell-Thick	SLE-RARA	-2.6023	-4.5159	40.24	7.42
439	438 Shell-Thick	SLE-RARA	-1.9476	-2.7237	37.60	7.42
439	438 Shell-Thick	SLE-RARA	-9.6939	-5.7334	37.60	10.06
439	438 Shell-Thick	SLE-RARA	-10.4374	-7.4395	40.24	10.06
439	438 Shell-Thick	SLE-FREQ.	-2.5553	-4.4286	39.40	7.18
439	438 Shell-Thick	SLE-FREQ.	-1.9193	-2.6920	36.83	7.18
439	438 Shell-Thick	SLE-FREQ.	-9.5058	-5.6452	36.83	9.75
439	438 Shell-Thick	SLE-FREQ.	-10.2278	-7.2983	39.40	9.75
439	438 Shell-Thick	SLE-QP	-2.4141	-4.1667	36.88	6.48
439	438 Shell-Thick	SLE-QP	-1.8343	-2.5971	34.52	6.48
439	438 Shell-Thick	SLE-QP	-8.9415	-5.3807	34.52	8.83
439	438 Shell-Thick	SLE-QP	-9.5989	-6.8750	36.88	8.83
440	439 Shell-Thick	SLU-STATICA	-13.1989	-9.8953	37.11	12.98
440	439 Shell-Thick	SLU-STATICA	-11.1927	-6.9933	34.44	12.98
440	439 Shell-Thick	SLU-STATICA	-18.3158	-9.9498	34.44	15.65
440	439 Shell-Thick	SLU-STATICA	-20.3981	-12.7783	37.11	15.65
440	439 Shell-Thick	SLU-SISMICA	-16.2971	-12.0122	46.57	19.11
440	439 Shell-Thick	SLU-SISMICA	-13.5693	-7.7599	42.87	19.11
440	439 Shell-Thick	SLU-SISMICA	-22.4630	-11.3089	42.87	22.81
440	439 Shell-Thick	SLU-SISMICA	-25.3065	-15.4492	46.57	22.81
440	439 Shell-Thick	SLE-RARA	-10.0289	-7.5229	28.18	9.80
440	439 Shell-Thick	SLE-RARA	-8.5095	-5.3314	26.16	9.80
440	439 Shell-Thick	SLE-RARA	-13.9198	-7.5798	26.16	11.82
440	439 Shell-Thick	SLE-RARA	-15.4966	-9.7159	28.18	11.82
440	439 Shell-Thick	SLE-FREQ.	-9.8271	-7.3784	27.59	9.50
440	439 Shell-Thick	SLE-FREQ.	-8.3467	-5.2532	25.62	9.50
440	439 Shell-Thick	SLE-FREQ.	-13.6448	-7.4598	25.62	11.47
440	439 Shell-Thick	SLE-FREQ.	-15.1808	-9.5314	27.59	11.47
440	439 Shell-Thick	SLE-QP	-9.2218	-6.9449	25.81	8.60
440	439 Shell-Thick	SLE-QP	-7.8581	-5.0187	24.01	8.60
440	439 Shell-Thick	SLE-QP	-12.8199	-7.0997	24.01	10.40
440	439 Shell-Thick	SLE-QP	-14.2335	-8.9777	25.81	10.40
441	440 Shell-Thick	SLU-STATICA	-19.8572	-12.8204	21.97	15.41
441	440 Shell-Thick	SLU-STATICA	-17.0601	-9.5484	20.30	15.41
441	440 Shell-Thick	SLU-STATICA	-21.2695	-11.3728	20.30	17.08
441	440 Shell-Thick	SLU-STATICA	-24.1092	-14.6038	21.97	17.08
441	440 Shell-Thick	SLU-SISMICA	-24.6597	-15.5377	27.60	22.47
441	440 Shell-Thick	SLU-SISMICA	-20.9017	-10.7788	25.31	22.47
441	440 Shell-Thick	SLU-SISMICA	-26.1642	-12.9669	25.31	24.76
441	440 Shell-Thick	SLU-SISMICA	-29.9877	-17.6626	27.60	24.76
441	440 Shell-Thick	SLE-RARA	-15.0851	-9.7471	16.68	11.64
441	440 Shell-Thick	SLE-RARA	-12.9660	-7.2755	15.42	11.64
441	440 Shell-Thick	SLE-RARA	-16.1631	-8.6631	15.42	12.90
441	440 Shell-Thick	SLE-RARA	-18.3143	-11.1038	16.68	12.90
441	440 Shell-Thick	SLE-FREQ.	-14.7769	-9.5608	16.33	11.29
441	440 Shell-Thick	SLE-FREQ.	-12.7106	-7.1628	15.10	11.29
441	440 Shell-Thick	SLE-FREQ.	-15.8412	-8.5245	15.10	12.52
441	440 Shell-Thick	SLE-FREQ.	-17.9386	-10.8927	16.33	12.52
441	440 Shell-Thick	SLE-QP	-13.8524	-9.0016	15.28	10.25
441	440 Shell-Thick	SLE-QP	-11.9443	-6.8245	14.15	10.25



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441	440	Shell-Thick	SLE-QP	-14.8754	-8.1089	14.15	11.37
441	440	Shell-Thick	SLE-QP	-16.8113	-10.2593	15.28	11.37
442	441	Shell-Thick	SLU-STATICA	-23.7840	-14.6155	7.27	16.96
442	441	Shell-Thick	SLU-STATICA	-20.5810	-11.1584	6.71	16.96
442	441	Shell-Thick	SLU-STATICA	-21.9734	-11.7710	6.71	17.52
442	441	Shell-Thick	SLU-STATICA	-25.1899	-15.2151	7.27	17.52
442	441	Shell-Thick	SLU-SISMICA	-29.6009	-17.6959	9.14	24.59
442	441	Shell-Thick	SLU-SISMICA	-25.3132	-12.6861	8.37	24.59
442	441	Shell-Thick	SLU-SISMICA	-27.0550	-13.4191	8.37	25.37
442	441	Shell-Thick	SLU-SISMICA	-31.3638	-18.4086	9.14	25.37
442	441	Shell-Thick	SLE-RARA	-18.0669	-11.1123	5.52	12.81
442	441	Shell-Thick	SLE-RARA	-15.6399	-8.5005	5.09	12.81
442	441	Shell-Thick	SLE-RARA	-16.6975	-8.9664	5.09	13.24
442	441	Shell-Thick	SLE-RARA	-19.1346	-11.5684	5.52	13.24
442	441	Shell-Thick	SLE-FREQ.	-17.6957	-10.9003	5.41	12.43
442	441	Shell-Thick	SLE-FREQ.	-15.3286	-8.3658	4.99	12.43
442	441	Shell-Thick	SLE-FREQ.	-16.3641	-8.8231	4.99	12.85
442	441	Shell-Thick	SLE-FREQ.	-18.7410	-11.3483	5.41	12.85
442	441	Shell-Thick	SLE-QP	-16.5819	-10.2646	5.06	11.29
442	441	Shell-Thick	SLE-QP	-14.3945	-7.9616	4.67	11.29
442	441	Shell-Thick	SLE-QP	-15.3639	-8.3931	4.67	11.68
442	441	Shell-Thick	SLE-QP	-17.5601	-10.6877	5.06	11.68
443	442	Shell-Thick	SLU-STATICA	-25.1899	-15.2151	-7.27	17.52
443	442	Shell-Thick	SLU-STATICA	-21.9734	-11.7710	-6.71	17.52
443	442	Shell-Thick	SLU-STATICA	-20.5810	-11.1584	-6.71	16.96
443	442	Shell-Thick	SLU-STATICA	-23.7840	-14.6155	-7.27	16.96
443	442	Shell-Thick	SLU-SISMICA	-31.3638	-18.4086	-9.14	25.37
443	442	Shell-Thick	SLU-SISMICA	-27.0550	-13.4191	-8.37	25.37
443	442	Shell-Thick	SLU-SISMICA	-25.3132	-12.6861	-8.37	24.59
443	442	Shell-Thick	SLU-SISMICA	-29.6009	-17.6959	-9.14	24.59
443	442	Shell-Thick	SLE-RARA	-19.1346	-11.5684	-5.52	13.24
443	442	Shell-Thick	SLE-RARA	-16.6975	-8.9664	-5.09	13.24
443	442	Shell-Thick	SLE-RARA	-15.6399	-8.5005	-5.09	12.81
443	442	Shell-Thick	SLE-RARA	-18.0669	-11.1123	-5.52	12.81
443	442	Shell-Thick	SLE-FREQ.	-18.7410	-11.3483	-5.41	12.85
443	442	Shell-Thick	SLE-FREQ.	-16.3641	-8.8231	-4.99	12.85
443	442	Shell-Thick	SLE-FREQ.	-15.3286	-8.3658	-4.99	12.43
443	442	Shell-Thick	SLE-FREQ.	-17.6957	-10.9003	-5.41	12.43
443	442	Shell-Thick	SLE-QP	-17.5601	-10.6877	-5.06	11.68
443	442	Shell-Thick	SLE-QP	-15.3639	-8.3931	-4.67	11.68
443	442	Shell-Thick	SLE-QP	-14.3945	-7.9616	-4.67	11.29
443	442	Shell-Thick	SLE-QP	-16.5819	-10.2646	-5.06	11.29
444	443	Shell-Thick	SLU-STATICA	-24.1092	-14.6038	-21.97	17.08
444	443	Shell-Thick	SLU-STATICA	-21.2695	-11.3728	-20.30	17.08
444	443	Shell-Thick	SLU-STATICA	-17.0601	-9.5484	-20.30	15.41
444	443	Shell-Thick	SLU-STATICA	-19.8572	-12.8204	-21.97	15.41
444	443	Shell-Thick	SLU-SISMICA	-29.9877	-17.6626	-27.60	24.76
444	443	Shell-Thick	SLU-SISMICA	-26.1642	-12.9669	-25.31	24.76
444	443	Shell-Thick	SLU-SISMICA	-20.9017	-10.7788	-25.31	22.47
444	443	Shell-Thick	SLU-SISMICA	-24.6597	-15.5377	-27.60	22.47
444	443	Shell-Thick	SLE-RARA	-18.3143	-11.1038	-16.68	12.90
444	443	Shell-Thick	SLE-RARA	-16.1631	-8.6631	-15.42	12.90
444	443	Shell-Thick	SLE-RARA	-12.9660	-7.2755	-15.42	11.64
444	443	Shell-Thick	SLE-RARA	-15.0851	-9.7471	-16.68	11.64
444	443	Shell-Thick	SLE-FREQ.	-17.9386	-10.8927	-16.33	12.52
444	443	Shell-Thick	SLE-FREQ.	-15.8412	-8.5245	-15.10	12.52
444	443	Shell-Thick	SLE-FREQ.	-12.7106	-7.1628	-15.10	11.29
444	443	Shell-Thick	SLE-FREQ.	-14.7769	-9.5608	-16.33	11.29
444	443	Shell-Thick	SLE-QP	-16.8113	-10.2593	-15.28	11.37
444	443	Shell-Thick	SLE-QP	-14.8754	-8.1089	-14.15	11.37
444	443	Shell-Thick	SLE-QP	-11.9443	-6.8245	-14.15	10.25
444	443	Shell-Thick	SLE-QP	-13.8524	-9.0016	-15.28	10.25
445	444	Shell-Thick	SLU-STATICA	-20.3981	-12.7783	-37.11	15.65
445	444	Shell-Thick	SLU-STATICA	-18.3158	-9.9498	-34.44	15.65
445	444	Shell-Thick	SLU-STATICA	-11.1927	-6.9933	-34.44	12.98
445	444	Shell-Thick	SLU-STATICA	-13.1989	-9.8953	-37.11	12.98
445	444	Shell-Thick	SLU-SISMICA	-25.3065	-15.4492	-46.57	22.81
445	444	Shell-Thick	SLU-SISMICA	-22.4630	-11.3089	-42.87	22.81
445	444	Shell-Thick	SLU-SISMICA	-13.5693	-7.7599	-42.87	19.11

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445	444	Shell-Thick	SLU-SISMICA	-16.2971	-12.0122	-46.57	19.11
445	444	Shell-Thick	SLE-RARA	-15.4966	-9.7159	-28.18	11.82
445	444	Shell-Thick	SLE-RARA	-13.9198	-7.5798	-26.16	11.82
445	444	Shell-Thick	SLE-RARA	-8.5095	-5.3314	-26.16	9.80
445	444	Shell-Thick	SLE-RARA	-10.0289	-7.5229	-28.18	9.80
445	444	Shell-Thick	SLE-FREQ.	-15.1808	-9.5314	-27.59	11.47
445	444	Shell-Thick	SLE-FREQ.	-13.6448	-7.4598	-25.62	11.47
445	444	Shell-Thick	SLE-FREQ.	-8.3467	-5.2532	-25.62	9.50
445	444	Shell-Thick	SLE-FREQ.	-9.8271	-7.3784	-27.59	9.50
445	444	Shell-Thick	SLE-QP	-14.2335	-8.9777	-25.81	10.40
445	444	Shell-Thick	SLE-QP	-12.8199	-7.0997	-24.01	10.40
445	444	Shell-Thick	SLE-QP	-7.8581	-5.0187	-24.01	8.60
445	444	Shell-Thick	SLE-QP	-9.2218	-6.9449	-25.81	8.60
446	445	Shell-Thick	SLU-STATICA	-13.7363	-9.7842	-52.99	13.33
446	445	Shell-Thick	SLU-STATICA	-12.7525	-7.5239	-49.49	13.33
446	445	Shell-Thick	SLU-STATICA	-2.5546	-3.5661	-49.49	9.83
446	445	Shell-Thick	SLU-STATICA	-3.4207	-5.9405	-52.99	9.83
446	445	Shell-Thick	SLU-SISMICA	-16.9495	-11.8234	-66.39	19.62
446	445	Shell-Thick	SLU-SISMICA	-15.5372	-8.4728	-61.48	19.62
446	445	Shell-Thick	SLU-SISMICA	-2.8275	-3.7066	-61.48	14.71
446	445	Shell-Thick	SLU-SISMICA	-4.0643	-7.2278	-66.39	14.71
446	445	Shell-Thick	SLE-RARA	-10.4374	-7.4395	-40.24	10.06
446	445	Shell-Thick	SLE-RARA	-9.6939	-5.7334	-37.60	10.06
446	445	Shell-Thick	SLE-RARA	-1.9476	-2.7237	-37.60	7.42
446	445	Shell-Thick	SLE-RARA	-2.6023	-4.5159	-40.24	7.42
446	445	Shell-Thick	SLE-FREQ.	-10.2278	-7.2983	-39.40	9.75
446	445	Shell-Thick	SLE-FREQ.	-9.5058	-5.6452	-36.83	9.75
446	445	Shell-Thick	SLE-FREQ.	-1.9193	-2.6920	-36.83	7.18
446	445	Shell-Thick	SLE-FREQ.	-2.5553	-4.4286	-39.40	7.18
446	445	Shell-Thick	SLE-QP	-9.5989	-6.8750	-36.88	8.83
446	445	Shell-Thick	SLE-QP	-8.9415	-5.3807	-34.52	8.83
446	445	Shell-Thick	SLE-QP	-1.8343	-2.5971	-34.52	6.48
446	445	Shell-Thick	SLE-QP	-2.4141	-4.1667	-36.88	6.48
447	446	Shell-Thick	SLU-STATICA	-3.6024	-5.6997	-69.88	10.27
447	446	Shell-Thick	SLU-STATICA	-4.0029	-4.1329	-65.82	10.27
447	446	Shell-Thick	SLU-STATICA	9.4942	0.5912	-65.82	6.21
447	446	Shell-Thick	SLU-STATICA	10.0634	-1.1403	-69.88	6.21
447	446	Shell-Thick	SLU-SISMICA	-4.3139	-6.8681	-87.36	15.36
447	446	Shell-Thick	SLU-SISMICA	-4.7221	-4.4951	-81.56	15.36
447	446	Shell-Thick	SLU-SISMICA	12.0601	1.2171	-81.56	9.55
447	446	Shell-Thick	SLU-SISMICA	12.7158	-1.3975	-87.36	9.55
447	446	Shell-Thick	SLE-RARA	-2.7399	-4.3342	-53.08	7.75
447	446	Shell-Thick	SLE-RARA	-3.0459	-3.1526	-50.01	7.75
447	446	Shell-Thick	SLE-RARA	7.2071	0.4394	-50.01	4.68
447	446	Shell-Thick	SLE-RARA	7.6406	-0.8666	-53.08	4.68
447	446	Shell-Thick	SLE-FREQ.	-2.6892	-4.2527	-51.97	7.50
447	446	Shell-Thick	SLE-FREQ.	-2.9920	-3.1093	-48.99	7.50
447	446	Shell-Thick	SLE-FREQ.	7.0509	0.4143	-48.99	4.52
447	446	Shell-Thick	SLE-FREQ.	7.4772	-0.8495	-51.97	4.52
447	446	Shell-Thick	SLE-QP	-2.5372	-4.0080	-48.66	6.77
447	446	Shell-Thick	SLE-QP	-2.8301	-2.9797	-45.94	6.77
447	446	Shell-Thick	SLE-QP	6.5823	0.3392	-45.94	4.05
447	446	Shell-Thick	SLE-QP	6.9871	-0.7983	-48.66	4.05
448	447	Shell-Thick	SLU-STATICA	10.7233	-0.6833	-88.02	6.73
448	447	Shell-Thick	SLU-STATICA	8.7914	0.1256	-83.78	6.73
448	447	Shell-Thick	SLU-STATICA	25.8696	5.2581	-83.78	2.49
448	447	Shell-Thick	SLU-STATICA	28.0326	4.2224	-88.02	2.49
448	447	Shell-Thick	SLU-SISMICA	13.4347	-0.7657	-109.77	10.33
448	447	Shell-Thick	SLU-SISMICA	10.9716	0.5113	-103.50	10.33
448	447	Shell-Thick	SLU-SISMICA	32.1495	6.7633	-103.50	4.06
448	447	Shell-Thick	SLU-SISMICA	34.9459	5.1593	-109.77	4.06
448	447	Shell-Thick	SLE-RARA	8.1439	-0.5207	-66.86	5.07
448	447	Shell-Thick	SLE-RARA	6.6775	0.0882	-63.65	5.07
448	447	Shell-Thick	SLE-RARA	19.6522	3.9898	-63.65	1.87
448	447	Shell-Thick	SLE-RARA	21.2931	3.2094	-66.86	1.87
448	447	Shell-Thick	SLE-FREQ.	7.9736	-0.5129	-65.48	4.90
448	447	Shell-Thick	SLE-FREQ.	6.5393	0.0746	-62.37	4.90
448	447	Shell-Thick	SLE-FREQ.	19.2499	3.9005	-62.37	1.80
448	447	Shell-Thick	SLE-FREQ.	20.8536	3.1466	-65.48	1.80

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448	447	Shell-Thick	SLE-QP	7.4627	-0.4892	-61.33	4.39
448	447	Shell-Thick	SLE-QP	6.1247	0.0338	-58.52	4.39
448	447	Shell-Thick	SLE-QP	18.0431	3.6327	-58.52	1.59
448	447	Shell-Thick	SLE-QP	19.5353	2.9583	-61.33	1.59
449	448	Shell-Thick	SLU-STATICA	30.1728	5.0118	-107.58	3.07
449	448	Shell-Thick	SLU-STATICA	26.7950	5.0819	-103.64	3.07
449	448	Shell-Thick	SLU-STATICA	47.7823	10.1098	-103.64	-0.87
449	448	Shell-Thick	SLU-STATICA	51.4642	9.7395	-107.58	-0.87
449	448	Shell-Thick	SLU-SISMICA	37.3803	6.1997	-133.81	4.95
449	448	Shell-Thick	SLU-SISMICA	32.8923	6.3583	-127.63	4.95
449	448	Shell-Thick	SLU-SISMICA	58.8414	12.5531	-127.63	-1.23
449	448	Shell-Thick	SLU-SISMICA	63.7624	11.9677	-133.81	-1.23
449	448	Shell-Thick	SLE-RARA	22.9235	3.8078	-81.72	2.31
449	448	Shell-Thick	SLE-RARA	20.3633	3.8597	-78.76	2.31
449	448	Shell-Thick	SLE-RARA	36.3093	7.6802	-78.76	-0.66
449	448	Shell-Thick	SLE-RARA	39.0993	7.4015	-81.72	-0.66
449	448	Shell-Thick	SLE-FREQ.	22.4581	3.7308	-80.04	2.22
449	448	Shell-Thick	SLE-FREQ.	19.9601	3.7792	-77.18	2.22
449	448	Shell-Thick	SLE-FREQ.	35.5840	7.5234	-77.18	-0.64
449	448	Shell-Thick	SLE-FREQ.	38.3055	7.2545	-80.04	-0.64
449	448	Shell-Thick	SLE-QP	21.0621	3.4999	-75.01	1.97
449	448	Shell-Thick	SLE-QP	18.7502	3.5379	-72.46	1.97
449	448	Shell-Thick	SLE-QP	33.4082	7.0528	-72.46	-0.58
449	448	Shell-Thick	SLE-QP	35.9239	6.8136	-75.01	-0.58
450	449	Shell-Thick	SLU-STATICA	47.2348	8.6672	104.01	-1.22
450	449	Shell-Thick	SLU-STATICA	42.2302	9.2258	97.77	-1.22
450	449	Shell-Thick	SLU-STATICA	22.2168	4.3078	97.77	5.02
450	449	Shell-Thick	SLU-STATICA	26.8587	4.1057	104.01	5.02
450	449	Shell-Thick	SLU-SISMICA	58.0504	10.5665	128.19	-1.63
450	449	Shell-Thick	SLU-SISMICA	51.6119	11.3660	119.37	-1.63
450	449	Shell-Thick	SLU-SISMICA	27.0825	5.3652	119.37	7.19
450	449	Shell-Thick	SLU-SISMICA	33.0249	5.0530	128.19	7.19
450	449	Shell-Thick	SLE-RARA	35.8956	6.5883	79.03	-0.92
450	449	Shell-Thick	SLE-RARA	32.0982	7.0105	74.31	-0.92
450	449	Shell-Thick	SLE-RARA	16.8879	3.2722	74.31	3.79
450	449	Shell-Thick	SLE-RARA	20.4107	3.1199	79.03	3.79
450	449	Shell-Thick	SLE-FREQ.	35.1825	6.4602	77.45	-0.90
450	449	Shell-Thick	SLE-FREQ.	31.4701	6.8703	72.86	-0.90
450	449	Shell-Thick	SLE-FREQ.	16.5597	3.2049	72.86	3.69
450	449	Shell-Thick	SLE-FREQ.	20.0047	3.0577	77.45	3.69
450	449	Shell-Thick	SLE-QP	33.0431	6.0761	72.70	-0.83
450	449	Shell-Thick	SLE-QP	29.5858	6.4497	68.51	-0.83
450	449	Shell-Thick	SLE-QP	15.5753	3.0028	68.51	3.36
450	449	Shell-Thick	SLE-QP	18.7866	2.8710	72.70	3.36
451	450	Shell-Thick	SLU-STATICA	25.1456	3.2590	84.25	4.21
451	450	Shell-Thick	SLU-STATICA	22.4973	4.8679	77.89	4.21
451	450	Shell-Thick	SLU-STATICA	6.4013	-0.1713	77.89	10.58
451	450	Shell-Thick	SLU-STATICA	8.7859	-1.5229	84.25	10.58
451	450	Shell-Thick	SLU-SISMICA	31.1349	3.9608	104.16	6.05
451	450	Shell-Thick	SLU-SISMICA	27.7903	6.2210	95.46	6.05
451	450	Shell-Thick	SLU-SISMICA	7.9945	0.1466	95.46	14.75
451	450	Shell-Thick	SLU-SISMICA	10.9722	-1.7554	104.16	14.75
451	450	Shell-Thick	SLE-RARA	19.1045	2.4776	64.02	3.18
451	450	Shell-Thick	SLE-RARA	17.0938	3.6945	59.20	3.18
451	450	Shell-Thick	SLE-RARA	4.8620	-0.1374	59.20	8.00
451	450	Shell-Thick	SLE-RARA	6.6732	-1.1597	64.02	8.00
451	450	Shell-Thick	SLE-FREQ.	18.7172	2.4298	62.72	3.09
451	450	Shell-Thick	SLE-FREQ.	16.7495	3.6132	58.03	3.09
451	450	Shell-Thick	SLE-FREQ.	4.7612	-0.1466	58.03	7.79
451	450	Shell-Thick	SLE-FREQ.	6.5348	-1.1405	62.72	7.79
451	450	Shell-Thick	SLE-QP	17.5555	2.2866	58.85	2.82
451	450	Shell-Thick	SLE-QP	15.7166	3.3692	54.53	2.82
451	450	Shell-Thick	SLE-QP	4.4587	-0.1740	54.53	7.13
451	450	Shell-Thick	SLE-QP	6.1197	-1.0830	58.85	7.13
452	451	Shell-Thick	SLU-STATICA	8.6483	-2.0054	66.31	9.85
452	451	Shell-Thick	SLU-STATICA	8.1974	0.6429	60.45	9.85
452	451	Shell-Thick	SLU-STATICA	-4.3966	-3.9325	60.45	15.72
452	451	Shell-Thick	SLU-STATICA	-4.1301	-6.4023	66.31	15.72
452	451	Shell-Thick	SLU-SISMICA	10.8929	-2.4063	82.22	13.74

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452	451	Shell-Thick	SLU-SISMICA	10.3805	1.2588	74.34	13.74
452	451	Shell-Thick	SLU-SISMICA	-5.1575	-4.2204	74.34	21.61
452	451	Shell-Thick	SLU-SISMICA	-4.9069	-7.6316	82.22	21.61
452	451	Shell-Thick	SLE-RARA	6.5668	-1.5252	50.38	7.46
452	451	Shell-Thick	SLE-RARA	6.2234	0.4791	45.94	7.46
452	451	Shell-Thick	SLE-RARA	-3.3461	-3.0008	45.94	11.90
452	451	Shell-Thick	SLE-RARA	-3.1421	-4.8701	50.38	11.90
452	451	Shell-Thick	SLE-FREQ.	6.4276	-1.4968	49.35	7.25
452	451	Shell-Thick	SLE-FREQ.	6.0896	0.4540	45.02	7.25
452	451	Shell-Thick	SLE-FREQ.	-3.2878	-2.9616	45.02	11.58
452	451	Shell-Thick	SLE-FREQ.	-3.0853	-4.7812	49.35	11.58
452	451	Shell-Thick	SLE-QP	6.0098	-1.4117	46.28	6.65
452	451	Shell-Thick	SLE-QP	5.6881	0.3787	42.28	6.65
452	451	Shell-Thick	SLE-QP	-3.1129	-2.8438	42.28	10.65
452	451	Shell-Thick	SLE-QP	-2.9148	-4.5146	46.28	10.65
453	452	Shell-Thick	SLU-STATICA	-3.4595	-6.6563	49.92	15.10
453	452	Shell-Thick	SLU-STATICA	-2.0879	-3.0825	45.01	15.10
453	452	Shell-Thick	SLU-STATICA	-11.5278	-6.8494	45.01	20.02
453	452	Shell-Thick	SLU-STATICA	-13.0220	-10.3054	49.92	20.02
453	452	Shell-Thick	SLU-SISMICA	-4.0679	-7.9993	62.05	20.77
453	452	Shell-Thick	SLU-SISMICA	-2.2484	-3.1031	55.52	20.77
453	452	Shell-Thick	SLU-SISMICA	-13.9264	-7.5940	55.52	27.30
453	452	Shell-Thick	SLU-SISMICA	-15.9244	-12.3182	62.05	27.30
453	452	Shell-Thick	SLE-RARA	-2.6327	-5.0621	37.93	11.43
453	452	Shell-Thick	SLE-RARA	-1.5931	-2.3564	34.20	11.43
453	452	Shell-Thick	SLE-RARA	-8.7653	-5.2218	34.20	15.16
453	452	Shell-Thick	SLE-RARA	-9.8975	-7.8385	37.93	15.16
453	452	Shell-Thick	SLE-FREQ.	-2.5865	-4.9675	37.15	11.13
453	452	Shell-Thick	SLE-FREQ.	-1.5720	-2.3324	33.51	11.13
453	452	Shell-Thick	SLE-FREQ.	-8.5992	-5.1454	33.51	14.77
453	452	Shell-Thick	SLE-FREQ.	-9.7035	-7.6943	37.15	14.77
453	452	Shell-Thick	SLE-QP	-2.4479	-4.6839	34.82	10.23
453	452	Shell-Thick	SLE-QP	-1.5088	-2.2602	31.45	10.23
453	452	Shell-Thick	SLE-QP	-8.1008	-4.9163	31.45	13.59
453	452	Shell-Thick	SLE-QP	-9.1215	-7.2618	34.82	13.59
454	453	Shell-Thick	SLU-STATICA	-12.0998	-10.4239	34.78	19.54
454	453	Shell-Thick	SLU-STATICA	-9.3363	-6.1082	31.10	19.54
454	453	Shell-Thick	SLU-STATICA	-15.8911	-8.8878	31.10	23.22
454	453	Shell-Thick	SLU-STATICA	-18.7310	-13.1309	34.78	23.22
454	453	Shell-Thick	SLU-SISMICA	-14.8111	-12.5104	43.31	26.64
454	453	Shell-Thick	SLU-SISMICA	-11.2156	-6.6370	38.45	26.64
454	453	Shell-Thick	SLU-SISMICA	-19.3420	-9.9448	38.45	31.50
454	453	Shell-Thick	SLU-SISMICA	-23.0513	-15.7091	43.31	31.50
454	453	Shell-Thick	SLE-RARA	-9.1963	-7.9276	26.42	14.80
454	453	Shell-Thick	SLE-RARA	-7.1003	-4.6594	23.63	14.80
454	453	Shell-Thick	SLE-RARA	-12.0801	-6.7740	23.63	17.58
454	453	Shell-Thick	SLE-RARA	-14.2338	-9.9873	26.42	17.58
454	453	Shell-Thick	SLE-FREQ.	-9.0156	-7.7801	25.87	14.42
454	453	Shell-Thick	SLE-FREQ.	-6.9678	-4.5958	23.15	14.42
454	453	Shell-Thick	SLE-FREQ.	-11.8463	-6.6719	23.15	17.14
454	453	Shell-Thick	SLE-FREQ.	-13.9500	-9.8032	25.87	17.14
454	453	Shell-Thick	SLE-QP	-8.4734	-7.3376	24.24	13.27
454	453	Shell-Thick	SLE-QP	-6.5704	-4.4048	21.72	13.27
454	453	Shell-Thick	SLE-QP	-11.1451	-6.3657	21.72	15.79
454	453	Shell-Thick	SLE-QP	-13.0985	-9.2506	24.24	15.79
455	454	Shell-Thick	SLU-STATICA	-17.9235	-13.1767	20.51	22.89
455	454	Shell-Thick	SLU-STATICA	-14.2312	-8.3485	18.25	22.89
455	454	Shell-Thick	SLU-STATICA	-18.0900	-10.0399	18.25	25.16
455	454	Shell-Thick	SLU-STATICA	-21.8232	-14.8294	20.51	25.16
455	454	Shell-Thick	SLU-SISMICA	-22.0864	-15.7987	25.58	31.05
455	454	Shell-Thick	SLU-SISMICA	-17.3049	-9.2548	22.60	31.05
455	454	Shell-Thick	SLU-SISMICA	-22.0957	-11.2636	22.60	34.03
455	454	Shell-Thick	SLU-SISMICA	-26.9396	-17.7481	25.58	34.03
455	454	Shell-Thick	SLE-RARA	-13.6196	-10.0215	15.58	17.34
455	454	Shell-Thick	SLE-RARA	-10.8186	-6.3647	13.86	17.34
455	454	Shell-Thick	SLE-RARA	-13.7500	-7.6514	13.86	19.05
455	454	Shell-Thick	SLE-RARA	-16.5819	-11.2791	15.58	19.05
455	454	Shell-Thick	SLE-FREQ.	-13.3471	-9.8356	15.26	16.90
455	454	Shell-Thick	SLE-FREQ.	-10.6099	-6.2717	13.58	16.90

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455	454 Shell-Thick	SLE-FREQ.	-13.4814	-7.5351	13.58	18.57
455	454 Shell-Thick	SLE-FREQ.	-16.2485	-11.0709	15.26	18.57
455	454 Shell-Thick	SLE-QP	-12.5295	-9.2777	14.29	15.57
455	454 Shell-Thick	SLE-QP	-9.9835	-5.9926	12.74	15.57
455	454 Shell-Thick	SLE-QP	-12.6755	-7.1863	12.74	17.13
455	454 Shell-Thick	SLE-QP	-15.2483	-10.4462	14.29	17.13
456	455 Shell-Thick	SLU-STATICA	-21.3652	-14.8425	6.78	24.99
456	455 Shell-Thick	SLU-STATICA	-17.2002	-9.7572	6.02	24.99
456	455 Shell-Thick	SLU-STATICA	-18.4742	-10.3290	6.02	25.76
456	455 Shell-Thick	SLU-STATICA	-22.6522	-15.4020	6.78	25.76
456	455 Shell-Thick	SLU-SISMICA	-26.3944	-17.7814	8.46	33.81
456	455 Shell-Thick	SLU-SISMICA	-21.0079	-10.9037	7.46	33.81
456	455 Shell-Thick	SLU-SISMICA	-22.5909	-11.5835	7.46	34.81
456	455 Shell-Thick	SLU-SISMICA	-27.9975	-18.4422	8.46	34.81
456	455 Shell-Thick	SLE-RARA	-16.2335	-11.2887	5.15	18.93
456	455 Shell-Thick	SLE-RARA	-13.0738	-7.4369	4.57	18.93
456	455 Shell-Thick	SLE-RARA	-14.0416	-7.8718	4.57	19.51
456	455 Shell-Thick	SLE-RARA	-17.2112	-11.7144	5.15	19.51
456	455 Shell-Thick	SLE-FREQ.	-15.9064	-11.0797	5.04	18.45
456	455 Shell-Thick	SLE-FREQ.	-12.8184	-7.3253	4.48	18.45
456	455 Shell-Thick	SLE-FREQ.	-13.7664	-7.7524	4.48	19.02
456	455 Shell-Thick	SLE-FREQ.	-16.8640	-11.4978	5.04	19.02
456	455 Shell-Thick	SLE-QP	-14.9252	-10.4528	4.72	17.01
456	455 Shell-Thick	SLE-QP	-12.0523	-6.9905	4.20	17.01
456	455 Shell-Thick	SLE-QP	-12.9409	-7.3939	4.20	17.54
456	455 Shell-Thick	SLE-QP	-15.8224	-10.8482	4.72	17.54
457	456 Shell-Thick	SLU-STATICA	-22.6522	-15.4020	-6.78	25.76
457	456 Shell-Thick	SLU-STATICA	-18.4742	-10.3290	-6.02	25.76
457	456 Shell-Thick	SLU-STATICA	-17.2002	-9.7572	-6.02	24.99
457	456 Shell-Thick	SLU-STATICA	-21.3652	-14.8425	-6.78	24.99
457	456 Shell-Thick	SLU-SISMICA	-27.9975	-18.4422	-8.46	34.81
457	456 Shell-Thick	SLU-SISMICA	-22.5909	-11.5835	-7.46	34.81
457	456 Shell-Thick	SLU-SISMICA	-21.0079	-10.9037	-7.46	33.81
457	456 Shell-Thick	SLU-SISMICA	-26.3944	-17.7814	-8.46	33.81
457	456 Shell-Thick	SLE-RARA	-17.2112	-11.7144	-5.15	19.51
457	456 Shell-Thick	SLE-RARA	-14.0416	-7.8718	-4.57	19.51
457	456 Shell-Thick	SLE-RARA	-13.0738	-7.4369	-4.57	18.93
457	456 Shell-Thick	SLE-RARA	-16.2335	-11.2887	-5.15	18.93
457	456 Shell-Thick	SLE-FREQ.	-16.8640	-11.4978	-5.04	19.02
457	456 Shell-Thick	SLE-FREQ.	-13.7664	-7.7524	-4.48	19.02
457	456 Shell-Thick	SLE-FREQ.	-12.8184	-7.3253	-4.48	18.45
457	456 Shell-Thick	SLE-FREQ.	-15.9064	-11.0797	-5.04	18.45
457	456 Shell-Thick	SLE-QP	-15.8224	-10.8482	-4.72	17.54
457	456 Shell-Thick	SLE-QP	-12.9409	-7.3939	-4.20	17.54
457	456 Shell-Thick	SLE-QP	-12.0523	-6.9905	-4.20	17.01
457	456 Shell-Thick	SLE-QP	-14.9252	-10.4528	-4.72	17.01
458	457 Shell-Thick	SLU-STATICA	-21.8232	-14.8294	-20.51	25.16
458	457 Shell-Thick	SLU-STATICA	-18.0900	-10.0399	-18.25	25.16
458	457 Shell-Thick	SLU-STATICA	-14.2312	-8.3485	-18.25	22.89
458	457 Shell-Thick	SLU-STATICA	-17.9235	-13.1767	-20.51	22.89
458	457 Shell-Thick	SLU-SISMICA	-26.9396	-17.7481	-25.58	34.03
458	457 Shell-Thick	SLU-SISMICA	-22.0957	-11.2636	-22.60	34.03
458	457 Shell-Thick	SLU-SISMICA	-17.3049	-9.2548	-22.60	31.05
458	457 Shell-Thick	SLU-SISMICA	-22.0864	-15.7987	-25.58	31.05
458	457 Shell-Thick	SLE-RARA	-16.5819	-11.2791	-15.58	19.05
458	457 Shell-Thick	SLE-RARA	-13.7500	-7.6514	-13.86	19.05
458	457 Shell-Thick	SLE-RARA	-10.8186	-6.3647	-13.86	17.34
458	457 Shell-Thick	SLE-RARA	-13.6196	-10.0215	-15.58	17.34
458	457 Shell-Thick	SLE-FREQ.	-16.2485	-11.0709	-15.26	18.57
458	457 Shell-Thick	SLE-FREQ.	-13.4814	-7.5351	-13.58	18.57
458	457 Shell-Thick	SLE-FREQ.	-10.6099	-6.2717	-13.58	16.90
458	457 Shell-Thick	SLE-FREQ.	-13.3471	-9.8356	-15.26	16.90
458	457 Shell-Thick	SLE-QP	-15.2483	-10.4462	-14.29	17.13
458	457 Shell-Thick	SLE-QP	-12.6755	-7.1863	-12.74	17.13
458	457 Shell-Thick	SLE-QP	-9.9835	-5.9926	-12.74	15.57
458	457 Shell-Thick	SLE-QP	-12.5295	-9.2777	-14.29	15.57
459	458 Shell-Thick	SLU-STATICA	-18.7310	-13.1309	-34.78	23.22
459	458 Shell-Thick	SLU-STATICA	-15.8911	-8.8878	-31.10	23.22
459	458 Shell-Thick	SLU-STATICA	-9.3363	-6.1082	-31.10	19.54

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459	458	Shell-Thick	SLU-STATICA	-12.0998	-10.4239	-34.78	19.54
459	458	Shell-Thick	SLU-SISMICA	-23.0513	-15.7091	-43.31	31.50
459	458	Shell-Thick	SLU-SISMICA	-19.3420	-9.9448	-38.45	31.50
459	458	Shell-Thick	SLU-SISMICA	-11.2156	-6.6370	-38.45	26.64
459	458	Shell-Thick	SLU-SISMICA	-14.8111	-12.5104	-43.31	26.64
459	458	Shell-Thick	SLE-RARA	-14.2338	-9.9873	-26.42	17.58
459	458	Shell-Thick	SLE-RARA	-12.0801	-6.7740	-23.63	17.58
459	458	Shell-Thick	SLE-RARA	-7.1003	-4.6594	-23.63	14.80
459	458	Shell-Thick	SLE-RARA	-9.1963	-7.9276	-26.42	14.80
459	458	Shell-Thick	SLE-FREQ.	-13.9500	-9.8032	-25.87	17.14
459	458	Shell-Thick	SLE-FREQ.	-11.8463	-6.6719	-23.15	17.14
459	458	Shell-Thick	SLE-FREQ.	-6.9678	-4.5958	-23.15	14.42
459	458	Shell-Thick	SLE-FREQ.	-9.0156	-7.7801	-25.87	14.42
459	458	Shell-Thick	SLE-QP	-13.0985	-9.2506	-24.24	15.79
459	458	Shell-Thick	SLE-QP	-11.1451	-6.3657	-21.72	15.79
459	458	Shell-Thick	SLE-QP	-6.5704	-4.4048	-21.72	13.27
459	458	Shell-Thick	SLE-QP	-8.4734	-7.3376	-24.24	13.27
460	459	Shell-Thick	SLU-STATICA	-13.0220	-10.3054	-49.92	20.02
460	459	Shell-Thick	SLU-STATICA	-11.5278	-6.8494	-45.01	20.02
460	459	Shell-Thick	SLU-STATICA	-2.0879	-3.0825	-45.01	15.10
460	459	Shell-Thick	SLU-STATICA	-3.4595	-6.6563	-49.92	15.10
460	459	Shell-Thick	SLU-SISMICA	-15.9244	-12.3182	-62.05	27.30
460	459	Shell-Thick	SLU-SISMICA	-13.9264	-7.5940	-55.52	27.30
460	459	Shell-Thick	SLU-SISMICA	-2.2484	-3.1031	-55.52	20.77
460	459	Shell-Thick	SLU-SISMICA	-4.0679	-7.9993	-62.05	20.77
460	459	Shell-Thick	SLE-RARA	-9.8975	-7.8385	-37.93	15.16
460	459	Shell-Thick	SLE-RARA	-8.7653	-5.2218	-34.20	15.16
460	459	Shell-Thick	SLE-RARA	-1.5931	-2.3564	-34.20	11.43
460	459	Shell-Thick	SLE-RARA	-2.6327	-5.0621	-37.93	11.43
460	459	Shell-Thick	SLE-FREQ.	-9.7035	-7.6943	-37.15	14.77
460	459	Shell-Thick	SLE-FREQ.	-8.5992	-5.1454	-33.51	14.77
460	459	Shell-Thick	SLE-FREQ.	-1.5720	-2.3323	-33.51	11.13
460	459	Shell-Thick	SLE-FREQ.	-2.5865	-4.9675	-37.15	11.13
460	459	Shell-Thick	SLE-QP	-9.1215	-7.2618	-34.82	13.59
460	459	Shell-Thick	SLE-QP	-8.1008	-4.9163	-31.45	13.59
460	459	Shell-Thick	SLE-QP	-1.5088	-2.2602	-31.45	10.23
460	459	Shell-Thick	SLE-QP	-2.4479	-4.6839	-34.82	10.23
461	460	Shell-Thick	SLU-STATICA	-4.1301	-6.4023	-66.31	15.72
461	460	Shell-Thick	SLU-STATICA	-4.3966	-3.9325	-60.45	15.72
461	460	Shell-Thick	SLU-STATICA	8.1974	0.6429	-60.45	9.85
461	460	Shell-Thick	SLU-STATICA	8.6483	-2.0054	-66.31	9.85
461	460	Shell-Thick	SLU-SISMICA	-4.9069	-7.6316	-82.22	21.61
461	460	Shell-Thick	SLU-SISMICA	-5.1575	-4.2204	-74.34	21.61
461	460	Shell-Thick	SLU-SISMICA	10.3805	1.2588	-74.34	13.74
461	460	Shell-Thick	SLU-SISMICA	10.8929	-2.4063	-82.22	13.74
461	460	Shell-Thick	SLE-RARA	-3.1421	-4.8701	-50.38	11.90
461	460	Shell-Thick	SLE-RARA	-3.3461	-3.0008	-45.94	11.90
461	460	Shell-Thick	SLE-RARA	6.2234	0.4791	-45.94	7.46
461	460	Shell-Thick	SLE-RARA	6.5668	-1.5252	-50.38	7.46
461	460	Shell-Thick	SLE-FREQ.	-3.0853	-4.7812	-49.35	11.58
461	460	Shell-Thick	SLE-FREQ.	-3.2878	-2.9616	-45.02	11.58
461	460	Shell-Thick	SLE-FREQ.	6.0896	0.4540	-45.02	7.25
461	460	Shell-Thick	SLE-FREQ.	6.4276	-1.4968	-49.35	7.25
461	460	Shell-Thick	SLE-QP	-2.9148	-4.5146	-46.28	10.65
461	460	Shell-Thick	SLE-QP	-3.1129	-2.8438	-42.28	10.65
461	460	Shell-Thick	SLE-QP	5.6881	0.3787	-42.28	6.65
461	460	Shell-Thick	SLE-QP	6.0098	-1.4117	-46.28	6.65
462	461	Shell-Thick	SLU-STATICA	8.7859	-1.5229	-84.25	10.58
462	461	Shell-Thick	SLU-STATICA	6.4013	-0.1713	-77.89	10.58
462	461	Shell-Thick	SLU-STATICA	22.4973	4.8679	-77.89	4.21
462	461	Shell-Thick	SLU-STATICA	25.1456	3.2590	-84.25	4.21
462	461	Shell-Thick	SLU-SISMICA	10.9722	-1.7554	-104.16	14.75
462	461	Shell-Thick	SLU-SISMICA	7.9945	0.1466	-95.46	14.75
462	461	Shell-Thick	SLU-SISMICA	27.7903	6.2210	-95.46	6.05
462	461	Shell-Thick	SLU-SISMICA	31.1349	3.9608	-104.16	6.05
462	461	Shell-Thick	SLE-RARA	6.6732	-1.1597	-64.02	8.00
462	461	Shell-Thick	SLE-RARA	4.8620	-0.1374	-59.20	8.00
462	461	Shell-Thick	SLE-RARA	17.0938	3.6945	-59.20	3.18
462	461	Shell-Thick	SLE-RARA	19.1045	2.4776	-64.02	3.18



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462	461	Shell-Thick	SLE-FREQ.	6.5348	-1.1405	-62.72	7.79
462	461	Shell-Thick	SLE-FREQ.	4.7612	-0.1466	-58.03	7.79
462	461	Shell-Thick	SLE-FREQ.	16.7495	3.6132	-58.03	3.09
462	461	Shell-Thick	SLE-FREQ.	18.7172	2.4298	-62.72	3.09
462	461	Shell-Thick	SLE-QP	6.1197	-1.0830	-58.85	7.13
462	461	Shell-Thick	SLE-QP	4.4587	-0.1740	-54.53	7.13
462	461	Shell-Thick	SLE-QP	15.7166	3.3692	-54.53	2.82
462	461	Shell-Thick	SLE-QP	17.5555	2.2866	-58.85	2.82
463	462	Shell-Thick	SLU-STATICA	26.8587	4.1057	-104.01	5.02
463	462	Shell-Thick	SLU-STATICA	22.2168	4.3078	-97.77	5.02
463	462	Shell-Thick	SLU-STATICA	42.2302	9.2258	-97.77	-1.22
463	462	Shell-Thick	SLU-STATICA	47.2348	8.6672	-104.01	-1.22
463	462	Shell-Thick	SLU-SISMICA	33.0249	5.0530	-128.19	7.19
463	462	Shell-Thick	SLU-SISMICA	27.0825	5.3652	-119.37	7.19
463	462	Shell-Thick	SLU-SISMICA	51.6119	11.3660	-119.37	-1.63
463	462	Shell-Thick	SLU-SISMICA	58.0504	10.5665	-128.19	-1.63
463	462	Shell-Thick	SLE-RARA	20.4107	3.1199	-79.03	3.79
463	462	Shell-Thick	SLE-RARA	16.8879	3.2722	-74.31	3.79
463	462	Shell-Thick	SLE-RARA	32.0982	7.0105	-74.31	-0.92
463	462	Shell-Thick	SLE-RARA	35.8956	6.5883	-79.03	-0.92
463	462	Shell-Thick	SLE-FREQ.	20.0047	3.0577	-77.45	3.69
463	462	Shell-Thick	SLE-FREQ.	16.5597	3.2049	-72.86	3.69
463	462	Shell-Thick	SLE-FREQ.	31.4701	6.8703	-72.86	-0.90
463	462	Shell-Thick	SLE-FREQ.	35.1825	6.4602	-77.45	-0.90
463	462	Shell-Thick	SLE-QP	18.7866	2.8710	-72.70	3.36
463	462	Shell-Thick	SLE-QP	15.5753	3.0028	-68.51	3.36
463	462	Shell-Thick	SLE-QP	29.5858	6.4497	-68.51	-0.83
463	462	Shell-Thick	SLE-QP	33.0431	6.0761	-72.70	-0.83
464	463	Shell-Thick	SLU-STATICA	41.3847	7.2441	98.43	-1.61
464	463	Shell-Thick	SLU-STATICA	35.0489	8.0426	89.18	-1.61
464	463	Shell-Thick	SLU-STATICA	16.4728	3.4194	89.18	7.63
464	463	Shell-Thick	SLU-STATICA	22.4070	3.0132	98.43	7.63
464	463	Shell-Thick	SLU-SISMICA	50.4781	8.7646	120.27	-2.08
464	463	Shell-Thick	SLU-SISMICA	42.5299	9.8370	108.01	-2.08
464	463	Shell-Thick	SLU-SISMICA	19.9498	4.2501	108.01	10.18
464	463	Shell-Thick	SLU-SISMICA	27.3631	3.7004	120.27	10.18
464	463	Shell-Thick	SLE-RARA	31.4576	5.5079	74.81	-1.22
464	463	Shell-Thick	SLE-RARA	26.6461	6.1128	67.81	-1.22
464	463	Shell-Thick	SLE-RARA	12.5243	2.5976	67.81	5.78
464	463	Shell-Thick	SLE-RARA	17.0315	2.2899	74.81	5.78
464	463	Shell-Thick	SLE-FREQ.	30.8453	5.4031	73.35	-1.20
464	463	Shell-Thick	SLE-FREQ.	26.1348	5.9930	66.51	-1.20
464	463	Shell-Thick	SLE-FREQ.	12.2852	2.5444	66.51	5.64
464	463	Shell-Thick	SLE-FREQ.	16.6990	2.2445	73.35	5.64
464	463	Shell-Thick	SLE-QP	29.0086	5.0886	68.96	-1.11
464	463	Shell-Thick	SLE-QP	24.6010	5.6333	62.63	-1.11
464	463	Shell-Thick	SLE-QP	11.5682	2.3848	62.63	5.22
464	463	Shell-Thick	SLE-QP	15.7013	2.1083	68.96	5.22
465	464	Shell-Thick	SLU-STATICA	21.4588	2.1465	78.63	6.55
465	464	Shell-Thick	SLU-STATICA	18.4835	4.4986	69.57	6.55
465	464	Shell-Thick	SLU-STATICA	3.7892	-0.1221	69.57	15.61
465	464	Shell-Thick	SLU-STATICA	6.4884	-2.2070	78.63	15.61
465	464	Shell-Thick	SLU-SISMICA	26.4162	2.6018	96.43	8.74
465	464	Shell-Thick	SLU-SISMICA	22.7158	5.7126	84.64	8.74
465	464	Shell-Thick	SLU-SISMICA	4.7813	0.1986	84.64	20.53
465	464	Shell-Thick	SLU-SISMICA	8.1058	-2.5481	96.43	20.53
465	464	Shell-Thick	SLE-RARA	16.3065	1.6319	59.76	4.97
465	464	Shell-Thick	SLE-RARA	14.0463	3.4149	52.89	4.97
465	464	Shell-Thick	SLE-RARA	2.8771	-0.0998	52.89	11.84
465	464	Shell-Thick	SLE-RARA	4.9281	-1.6805	59.76	11.84
465	464	Shell-Thick	SLE-FREQ.	15.9811	1.6007	58.58	4.85
465	464	Shell-Thick	SLE-FREQ.	13.7673	3.3410	51.87	4.85
465	464	Shell-Thick	SLE-FREQ.	2.8158	-0.1094	51.87	11.56
465	464	Shell-Thick	SLE-FREQ.	4.8258	-1.6526	58.58	11.56
465	464	Shell-Thick	SLE-QP	15.0049	1.5071	55.04	4.48
465	464	Shell-Thick	SLE-QP	12.9301	3.1191	48.80	4.48
465	464	Shell-Thick	SLE-QP	2.6319	-0.1382	48.80	10.72
465	464	Shell-Thick	SLE-QP	4.5190	-1.5688	55.04	10.72
466	465	Shell-Thick	SLU-STATICA	7.0612	-2.7110	61.15	14.64

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466	465 Shell-Thick	SLU-STATICA	6.8767	1.1140	53.07	14.64
466	465 Shell-Thick	SLU-STATICA	-4.4639	-2.9285	53.07	22.72
466	465 Shell-Thick	SLU-STATICA	-4.4607	-6.5803	61.15	22.72
466	465 Shell-Thick	SLU-SISMICA	8.8843	-3.2128	75.25	19.23
466	465 Shell-Thick	SLU-SISMICA	8.6867	1.8002	64.84	19.23
466	465 Shell-Thick	SLU-SISMICA	-5.2067	-2.9872	64.84	29.64
466	465 Shell-Thick	SLU-SISMICA	-5.2629	-7.7568	75.25	29.64
466	465 Shell-Thick	SLE-RARA	5.3619	-2.0626	46.47	11.10
466	465 Shell-Thick	SLE-RARA	5.2212	0.8379	40.34	11.10
466	465 Shell-Thick	SLE-RARA	-3.3980	-2.2378	40.34	17.23
466	465 Shell-Thick	SLE-RARA	-3.3943	-5.0073	46.47	17.23
466	465 Shell-Thick	SLE-FREQ.	5.2486	-2.0256	45.54	10.84
466	465 Shell-Thick	SLE-FREQ.	5.1096	0.8069	39.55	10.84
466	465 Shell-Thick	SLE-FREQ.	-3.3397	-2.2137	39.55	16.83
466	465 Shell-Thick	SLE-FREQ.	-3.3342	-4.9188	45.54	16.83
466	465 Shell-Thick	SLE-QP	4.9084	-1.9145	42.76	10.05
466	465 Shell-Thick	SLE-QP	4.7750	0.7140	37.18	10.05
466	465 Shell-Thick	SLE-QP	-3.1651	-2.1414	37.18	15.63
466	465 Shell-Thick	SLE-QP	-3.1537	-4.6533	42.76	15.63
467	466 Shell-Thick	SLU-STATICA	-3.2353	-6.8581	45.60	21.90
467	466 Shell-Thick	SLU-STATICA	-1.2437	-1.7615	39.00	21.90
467	466 Shell-Thick	SLU-STATICA	-9.6551	-4.9777	39.00	28.50
467	466 Shell-Thick	SLU-STATICA	-11.7593	-9.9682	45.60	28.50
467	466 Shell-Thick	SLU-SISMICA	-3.7601	-8.1446	56.28	28.56
467	466 Shell-Thick	SLU-SISMICA	-1.2305	-1.5036	47.82	28.56
467	466 Shell-Thick	SLU-SISMICA	-11.5682	-5.2985	47.82	37.02
467	466 Shell-Thick	SLU-SISMICA	-14.2611	-11.7847	56.28	37.02
467	466 Shell-Thick	SLE-RARA	-2.4630	-5.2175	34.65	16.61
467	466 Shell-Thick	SLE-RARA	-0.9512	-1.3520	29.64	16.61
467	466 Shell-Thick	SLE-RARA	-7.3433	-3.7993	29.64	21.62
467	466 Shell-Thick	SLE-RARA	-8.9402	-7.5846	34.65	21.62
467	466 Shell-Thick	SLE-FREQ.	-2.4212	-5.1233	33.95	16.22
467	466 Shell-Thick	SLE-FREQ.	-0.9422	-1.3472	29.06	16.22
467	466 Shell-Thick	SLE-FREQ.	-7.2073	-3.7510	29.06	21.12
467	466 Shell-Thick	SLE-FREQ.	-8.7689	-7.4494	33.95	21.12
467	466 Shell-Thick	SLE-QP	-2.2960	-4.8406	31.87	15.07
467	466 Shell-Thick	SLE-QP	-0.9152	-1.3325	27.30	15.07
467	466 Shell-Thick	SLE-QP	-6.7993	-3.6063	27.30	19.63
467	466 Shell-Thick	SLE-QP	-8.2551	-7.0438	31.87	19.63
468	467 Shell-Thick	SLU-STATICA	-10.4287	-10.1068	31.54	27.86
468	467 Shell-Thick	SLU-STATICA	-6.8656	-4.0150	26.70	27.86
468	467 Shell-Thick	SLU-STATICA	-12.6629	-6.3162	26.70	32.71
468	467 Shell-Thick	SLU-STATICA	-16.2906	-12.3483	31.54	32.71
468	467 Shell-Thick	SLU-SISMICA	-12.6611	-11.9950	39.02	36.19
468	467 Shell-Thick	SLU-SISMICA	-8.1563	-4.0858	32.83	36.19
468	467 Shell-Thick	SLU-SISMICA	-15.2991	-6.7938	32.83	42.38
468	467 Shell-Thick	SLU-SISMICA	-19.9015	-14.6117	39.02	42.38
468	467 Shell-Thick	SLE-RARA	-7.9283	-7.6892	23.97	21.14
468	467 Shell-Thick	SLE-RARA	-5.2231	-3.0683	20.29	21.14
468	467 Shell-Thick	SLE-RARA	-9.6284	-4.8195	20.29	24.81
468	467 Shell-Thick	SLE-RARA	-12.3823	-9.3954	23.97	24.81
468	467 Shell-Thick	SLE-FREQ.	-7.7760	-7.5506	23.48	20.65
468	467 Shell-Thick	SLE-FREQ.	-5.1287	-3.0355	19.89	20.65
468	467 Shell-Thick	SLE-FREQ.	-9.4459	-4.7560	19.89	24.24
468	467 Shell-Thick	SLE-FREQ.	-12.1403	-9.2275	23.48	24.24
468	467 Shell-Thick	SLE-QP	-7.3189	-7.1348	22.03	19.20
468	467 Shell-Thick	SLE-QP	-4.8455	-2.9373	18.68	19.20
468	467 Shell-Thick	SLE-QP	-8.8983	-4.5653	18.68	22.55
468	467 Shell-Thick	SLE-QP	-11.4142	-8.7238	22.03	22.55
469	468 Shell-Thick	SLU-STATICA	-15.2238	-12.4072	18.52	32.28
469	468 Shell-Thick	SLU-STATICA	-10.6262	-5.6366	15.58	32.28
469	468 Shell-Thick	SLU-STATICA	-14.0233	-7.0209	15.58	35.22
469	468 Shell-Thick	SLU-STATICA	-18.6535	-13.7618	18.52	35.22
469	468 Shell-Thick	SLU-SISMICA	-18.6272	-14.7128	22.95	41.82
469	468 Shell-Thick	SLU-SISMICA	-12.8188	-5.9418	19.20	41.82
469	468 Shell-Thick	SLU-SISMICA	-17.0115	-7.5704	19.20	45.58
469	468 Shell-Thick	SLU-SISMICA	-22.8711	-16.2940	22.95	45.58
469	468 Shell-Thick	SLE-RARA	-11.5708	-9.4396	14.07	24.49
469	468 Shell-Thick	SLE-RARA	-8.0802	-4.3034	11.84	24.49



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469	468 Shell-Thick	SLE-RARA	-10.6614	-5.3568	11.84	26.72
469	468 Shell-Thick	SLE-RARA	-14.1767	-10.4706	14.07	26.72
469	468 Shell-Thick	SLE-FREQ.	-11.3437	-9.2698	13.79	23.93
469	468 Shell-Thick	SLE-FREQ.	-7.9276	-4.2506	11.60	23.93
469	468 Shell-Thick	SLE-FREQ.	-10.4570	-5.2856	11.60	26.11
469	468 Shell-Thick	SLE-FREQ.	-13.8968	-10.2832	13.79	26.11
469	468 Shell-Thick	SLE-QP	-10.6623	-8.7606	12.93	22.26
469	468 Shell-Thick	SLE-QP	-7.4700	-4.0924	10.89	22.26
469	468 Shell-Thick	SLE-QP	-9.8438	-5.0718	10.89	24.29
469	468 Shell-Thick	SLE-QP	-13.0572	-9.7209	12.93	24.29
470	469 Shell-Thick	SLU-STATICA	-18.0651	-13.7808	6.11	35.01
470	469 Shell-Thick	SLU-STATICA	-12.9556	-6.6706	5.12	35.01
470	469 Shell-Thick	SLU-STATICA	-14.0748	-7.1260	5.12	35.99
470	469 Shell-Thick	SLU-STATICA	-19.1938	-14.2277	6.11	35.99
470	469 Shell-Thick	SLU-SISMICA	-22.1702	-16.3323	7.57	45.30
470	469 Shell-Thick	SLU-SISMICA	-15.7132	-7.1322	6.32	45.30
470	469 Shell-Thick	SLU-SISMICA	-17.0956	-7.6667	6.32	46.56
470	469 Shell-Thick	SLU-SISMICA	-23.5681	-16.8527	7.57	46.56
470	469 Shell-Thick	SLE-RARA	-13.7291	-10.4848	4.64	26.56
470	469 Shell-Thick	SLE-RARA	-9.8497	-5.0908	3.89	26.56
470	469 Shell-Thick	SLE-RARA	-10.7001	-5.4373	3.89	27.31
470	469 Shell-Thick	SLE-RARA	-14.5866	-10.8250	4.64	27.31
470	469 Shell-Thick	SLE-FREQ.	-13.4574	-10.2966	4.55	25.95
470	469 Shell-Thick	SLE-FREQ.	-9.6610	-5.0251	3.81	25.95
470	469 Shell-Thick	SLE-FREQ.	-10.4942	-5.3656	3.81	26.69
470	469 Shell-Thick	SLE-FREQ.	-14.2975	-10.6310	4.55	26.69
470	469 Shell-Thick	SLE-QP	-12.6422	-9.7319	4.26	24.15
470	469 Shell-Thick	SLE-QP	-9.0948	-4.8279	3.58	24.15
470	469 Shell-Thick	SLE-QP	-9.8766	-5.1503	3.58	24.83
470	469 Shell-Thick	SLE-QP	-13.4302	-10.0489	4.26	24.83
471	470 Shell-Thick	SLU-STATICA	-19.1938	-14.2277	-6.11	35.99
471	470 Shell-Thick	SLU-STATICA	-14.0748	-7.1260	-5.12	35.99
471	470 Shell-Thick	SLU-STATICA	-12.9556	-6.6706	-5.12	35.01
471	470 Shell-Thick	SLU-STATICA	-18.0651	-13.7808	-6.11	35.01
471	470 Shell-Thick	SLU-SISMICA	-23.5681	-16.8527	-7.57	46.56
471	470 Shell-Thick	SLU-SISMICA	-17.0956	-7.6667	-6.32	46.56
471	470 Shell-Thick	SLU-SISMICA	-15.7132	-7.1322	-6.32	45.30
471	470 Shell-Thick	SLU-SISMICA	-22.1702	-16.3323	-7.57	45.30
471	470 Shell-Thick	SLE-RARA	-14.5866	-10.8250	-4.64	27.31
471	470 Shell-Thick	SLE-RARA	-10.7001	-5.4373	-3.89	27.31
471	470 Shell-Thick	SLE-RARA	-9.8497	-5.0908	-3.89	26.56
471	470 Shell-Thick	SLE-RARA	-13.7291	-10.4848	-4.64	26.56
471	470 Shell-Thick	SLE-FREQ.	-14.2975	-10.6310	-4.55	26.69
471	470 Shell-Thick	SLE-FREQ.	-10.4942	-5.3656	-3.81	26.69
471	470 Shell-Thick	SLE-FREQ.	-9.6610	-5.0251	-3.81	25.95
471	470 Shell-Thick	SLE-FREQ.	-13.4574	-10.2966	-4.55	25.95
471	470 Shell-Thick	SLE-QP	-13.4302	-10.0489	-4.26	24.83
471	470 Shell-Thick	SLE-QP	-9.8766	-5.1503	-3.58	24.83
471	470 Shell-Thick	SLE-QP	-9.0948	-4.8279	-3.58	24.15
471	470 Shell-Thick	SLE-QP	-12.6422	-9.7319	-4.26	24.15
472	471 Shell-Thick	SLU-STATICA	-18.6535	-13.7618	-18.52	35.22
472	471 Shell-Thick	SLU-STATICA	-14.0233	-7.0209	-15.58	35.22
472	471 Shell-Thick	SLU-STATICA	-10.6262	-5.6366	-15.58	32.28
472	471 Shell-Thick	SLU-STATICA	-15.2238	-12.4072	-18.52	32.28
472	471 Shell-Thick	SLU-SISMICA	-22.8711	-16.2940	-22.95	45.58
472	471 Shell-Thick	SLU-SISMICA	-17.0115	-7.5704	-19.20	45.58
472	471 Shell-Thick	SLU-SISMICA	-12.8188	-5.9418	-19.20	41.82
472	471 Shell-Thick	SLU-SISMICA	-18.6272	-14.7128	-22.95	41.82
472	471 Shell-Thick	SLE-RARA	-14.1767	-10.4706	-14.07	26.72
472	471 Shell-Thick	SLE-RARA	-10.6614	-5.3568	-11.84	26.72
472	471 Shell-Thick	SLE-RARA	-8.0802	-4.3034	-11.84	24.49
472	471 Shell-Thick	SLE-RARA	-11.5708	-9.4396	-14.07	24.49
472	471 Shell-Thick	SLE-FREQ.	-13.8968	-10.2832	-13.79	26.11
472	471 Shell-Thick	SLE-FREQ.	-10.4570	-5.2856	-11.60	26.11
472	471 Shell-Thick	SLE-FREQ.	-7.9276	-4.2506	-11.60	23.93
472	471 Shell-Thick	SLE-FREQ.	-11.3437	-9.2698	-13.79	23.93
472	471 Shell-Thick	SLE-QP	-13.0572	-9.7209	-12.93	24.29
472	471 Shell-Thick	SLE-QP	-9.8438	-5.0718	-10.89	24.29
472	471 Shell-Thick	SLE-QP	-7.4700	-4.0924	-10.89	22.26

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472	471 Shell-Thick	SLE-QP	-10.6623	-8.7606	-12.93	22.26
473	472 Shell-Thick	SLU-STATICA	-16.2906	-12.3483	-31.54	32.71
473	472 Shell-Thick	SLU-STATICA	-12.6629	-6.3162	-26.70	32.71
473	472 Shell-Thick	SLU-STATICA	-6.8656	-4.0150	-26.70	27.86
473	472 Shell-Thick	SLU-STATICA	-10.4287	-10.1068	-31.54	27.86
473	472 Shell-Thick	SLU-SISMICA	-19.9015	-14.6117	-39.02	42.38
473	472 Shell-Thick	SLU-SISMICA	-15.2991	-6.7938	-32.83	42.38
473	472 Shell-Thick	SLU-SISMICA	-8.1563	-4.0858	-32.83	36.19
473	472 Shell-Thick	SLU-SISMICA	-12.6611	-11.9950	-39.02	36.19
473	472 Shell-Thick	SLE-RARA	-12.3823	-9.3954	-23.97	24.81
473	472 Shell-Thick	SLE-RARA	-9.6284	-4.8195	-20.29	24.81
473	472 Shell-Thick	SLE-RARA	-5.2231	-3.0683	-20.29	21.14
473	472 Shell-Thick	SLE-RARA	-7.9283	-7.6892	-23.97	21.14
473	472 Shell-Thick	SLE-FREQ.	-12.1403	-9.2275	-23.48	24.24
473	472 Shell-Thick	SLE-FREQ.	-9.4459	-4.7560	-19.89	24.24
473	472 Shell-Thick	SLE-FREQ.	-5.1287	-3.0355	-19.89	20.65
473	472 Shell-Thick	SLE-FREQ.	-7.7760	-7.5506	-23.48	20.65
473	472 Shell-Thick	SLE-QP	-11.4142	-8.7238	-22.03	22.55
473	472 Shell-Thick	SLE-QP	-8.8983	-4.5653	-18.68	22.55
473	472 Shell-Thick	SLE-QP	-4.8455	-2.9373	-18.68	19.20
473	472 Shell-Thick	SLE-QP	-7.3189	-7.1348	-22.03	19.20
474	473 Shell-Thick	SLU-STATICA	-11.7593	-9.9682	-45.60	28.50
474	473 Shell-Thick	SLU-STATICA	-9.6551	-4.9777	-39.00	28.50
474	473 Shell-Thick	SLU-STATICA	-1.2437	-1.7615	-39.00	21.90
474	473 Shell-Thick	SLU-STATICA	-3.2353	-6.8581	-45.60	21.90
474	473 Shell-Thick	SLU-SISMICA	-14.2611	-11.7847	-56.28	37.02
474	473 Shell-Thick	SLU-SISMICA	-11.5682	-5.2985	-47.82	37.02
474	473 Shell-Thick	SLU-SISMICA	-1.2305	-1.5036	-47.82	28.56
474	473 Shell-Thick	SLU-SISMICA	-3.7601	-8.1446	-56.28	28.56
474	473 Shell-Thick	SLE-RARA	-8.9402	-7.5846	-34.65	21.62
474	473 Shell-Thick	SLE-RARA	-7.3433	-3.7993	-29.64	21.62
474	473 Shell-Thick	SLE-RARA	-0.9512	-1.3520	-29.64	16.61
474	473 Shell-Thick	SLE-RARA	-2.4630	-5.2175	-34.65	16.61
474	473 Shell-Thick	SLE-FREQ.	-8.7689	-7.4494	-33.95	21.12
474	473 Shell-Thick	SLE-FREQ.	-7.2073	-3.7510	-29.06	21.12
474	473 Shell-Thick	SLE-FREQ.	-0.9422	-1.3472	-29.06	16.22
474	473 Shell-Thick	SLE-FREQ.	-2.4212	-5.1233	-33.95	16.22
474	473 Shell-Thick	SLE-QP	-8.2551	-7.0438	-31.87	19.63
474	473 Shell-Thick	SLE-QP	-6.7993	-3.6063	-27.30	19.63
474	473 Shell-Thick	SLE-QP	-0.9152	-1.3325	-27.30	15.07
474	473 Shell-Thick	SLE-QP	-2.2960	-4.8406	-31.87	15.07
475	474 Shell-Thick	SLU-STATICA	-4.4607	-6.5803	-61.15	22.72
475	474 Shell-Thick	SLU-STATICA	-4.4639	-2.9285	-53.07	22.72
475	474 Shell-Thick	SLU-STATICA	6.8767	1.1140	-53.07	14.64
475	474 Shell-Thick	SLU-STATICA	7.0612	-2.7110	-61.15	14.64
475	474 Shell-Thick	SLU-SISMICA	-5.2629	-7.7568	-75.25	29.64
475	474 Shell-Thick	SLU-SISMICA	-5.2067	-2.9872	-64.84	29.64
475	474 Shell-Thick	SLU-SISMICA	8.6867	1.8002	-64.84	19.23
475	474 Shell-Thick	SLU-SISMICA	8.8843	-3.2128	-75.25	19.23
475	474 Shell-Thick	SLE-RARA	-3.3943	-5.0073	-46.47	17.23
475	474 Shell-Thick	SLE-RARA	-3.3980	-2.2378	-40.34	17.23
475	474 Shell-Thick	SLE-RARA	5.2212	0.8379	-40.34	11.10
475	474 Shell-Thick	SLE-RARA	5.3619	-2.0626	-46.47	11.10
475	474 Shell-Thick	SLE-FREQ.	-3.3342	-4.9188	-45.54	16.83
475	474 Shell-Thick	SLE-FREQ.	-3.3397	-2.2137	-39.55	16.83
475	474 Shell-Thick	SLE-FREQ.	5.1096	0.8069	-39.55	10.84
475	474 Shell-Thick	SLE-FREQ.	5.2486	-2.0256	-45.54	10.84
475	474 Shell-Thick	SLE-QP	-3.1537	-4.6533	-42.76	15.63
475	474 Shell-Thick	SLE-QP	-3.1651	-2.1414	-37.18	15.63
475	474 Shell-Thick	SLE-QP	4.7750	0.7140	-37.18	10.05
475	474 Shell-Thick	SLE-QP	4.9084	-1.9145	-42.76	10.05
476	475 Shell-Thick	SLU-STATICA	6.4884	-2.2070	-78.63	15.61
476	475 Shell-Thick	SLU-STATICA	3.7892	-0.1221	-69.57	15.61
476	475 Shell-Thick	SLU-STATICA	18.4835	4.4986	-69.57	6.55
476	475 Shell-Thick	SLU-STATICA	21.4588	2.1465	-78.63	6.55
476	475 Shell-Thick	SLU-SISMICA	8.1058	-2.5481	-96.43	20.53
476	475 Shell-Thick	SLU-SISMICA	4.7813	0.1986	-84.64	20.53
476	475 Shell-Thick	SLU-SISMICA	22.7158	5.7126	-84.64	8.74
476	475 Shell-Thick	SLU-SISMICA	26.4162	2.6018	-96.43	8.74

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476	475 Shell-Thick	SLE-RARA	4.9281	-1.6805	-59.76	11.84
476	475 Shell-Thick	SLE-RARA	2.8771	-0.0998	-52.89	11.84
476	475 Shell-Thick	SLE-RARA	14.0463	3.4149	-52.89	4.97
476	475 Shell-Thick	SLE-RARA	16.3065	1.6319	-59.76	4.97
476	475 Shell-Thick	SLE-FREQ.	4.8258	-1.6526	-58.58	11.56
476	475 Shell-Thick	SLE-FREQ.	2.8158	-0.1094	-51.87	11.56
476	475 Shell-Thick	SLE-FREQ.	13.7673	3.3410	-51.87	4.85
476	475 Shell-Thick	SLE-FREQ.	15.9811	1.6007	-58.58	4.85
476	475 Shell-Thick	SLE-QP	4.5190	-1.5688	-55.04	10.72
476	475 Shell-Thick	SLE-QP	2.6319	-0.1382	-48.80	10.72
476	475 Shell-Thick	SLE-QP	12.9301	3.1191	-48.80	4.48
476	475 Shell-Thick	SLE-QP	15.0049	1.5071	-55.04	4.48
477	476 Shell-Thick	SLU-STATICA	22.4070	3.0132	-98.43	7.63
477	476 Shell-Thick	SLU-STATICA	16.4728	3.4194	-89.18	7.63
477	476 Shell-Thick	SLU-STATICA	35.0489	8.0426	-89.18	-1.61
477	476 Shell-Thick	SLU-STATICA	41.3847	7.2441	-98.43	-1.61
477	476 Shell-Thick	SLU-SISMICA	27.3631	3.7004	-120.27	10.18
477	476 Shell-Thick	SLU-SISMICA	19.9498	4.2501	-108.01	10.18
477	476 Shell-Thick	SLU-SISMICA	42.5299	9.8370	-108.01	-2.08
477	476 Shell-Thick	SLU-SISMICA	50.4781	8.7646	-120.27	-2.08
477	476 Shell-Thick	SLE-RARA	17.0315	2.2899	-74.81	5.78
477	476 Shell-Thick	SLE-RARA	12.5243	2.5976	-67.81	5.78
477	476 Shell-Thick	SLE-RARA	26.6461	6.1128	-67.81	-1.22
477	476 Shell-Thick	SLE-RARA	31.4576	5.5079	-74.81	-1.22
477	476 Shell-Thick	SLE-FREQ.	16.6990	2.2445	-73.35	5.64
477	476 Shell-Thick	SLE-FREQ.	12.2853	2.5444	-66.51	5.64
477	476 Shell-Thick	SLE-FREQ.	26.1348	5.9930	-66.51	-1.20
477	476 Shell-Thick	SLE-FREQ.	30.8453	5.4031	-73.35	-1.20
477	476 Shell-Thick	SLE-QP	15.7013	2.1083	-68.96	5.22
477	476 Shell-Thick	SLE-QP	11.5682	2.3848	-62.63	5.22
477	476 Shell-Thick	SLE-QP	24.6010	5.6333	-62.63	-1.11
477	476 Shell-Thick	SLE-QP	29.0086	5.0886	-68.96	-1.11
478	477 Shell-Thick	SLU-STATICA	33.8172	5.4640	90.25	-2.02
478	477 Shell-Thick	SLU-STATICA	26.4059	6.5806	77.01	-2.02
478	477 Shell-Thick	SLU-STATICA	9.8685	2.5699	77.01	11.22
478	477 Shell-Thick	SLU-STATICA	16.8741	1.8459	90.25	11.22
478	477 Shell-Thick	SLU-SISMICA	40.9525	6.5599	109.39	-2.54
478	477 Shell-Thick	SLU-SISMICA	31.8197	7.9945	92.54	-2.54
478	477 Shell-Thick	SLU-SISMICA	11.8757	3.1940	92.54	14.30
478	477 Shell-Thick	SLU-SISMICA	20.4767	2.2745	109.39	14.30
478	477 Shell-Thick	SLE-RARA	25.7113	4.1555	68.62	-1.54
478	477 Shell-Thick	SLE-RARA	20.0797	5.0027	58.57	-1.54
478	477 Shell-Thick	SLE-RARA	7.5046	1.9523	58.57	8.52
478	477 Shell-Thick	SLE-RARA	12.8286	1.4027	68.62	8.52
478	477 Shell-Thick	SLE-FREQ.	25.2208	4.0781	67.31	-1.50
478	477 Shell-Thick	SLE-FREQ.	19.7018	4.9064	57.47	-1.50
478	477 Shell-Thick	SLE-FREQ.	7.3639	1.9123	57.47	8.33
478	477 Shell-Thick	SLE-FREQ.	12.5824	1.3746	67.31	8.33
478	477 Shell-Thick	SLE-QP	23.7490	3.8459	63.37	-1.41
478	477 Shell-Thick	SLE-QP	18.5681	4.6175	54.19	-1.41
478	477 Shell-Thick	SLE-QP	6.9418	1.7924	54.19	7.77
478	477 Shell-Thick	SLE-QP	11.8438	1.2904	63.37	7.77
479	478 Shell-Thick	SLU-STATICA	17.0620	0.9794	70.65	9.79
479	478 Shell-Thick	SLU-STATICA	14.0670	4.3138	58.15	9.79
479	478 Shell-Thick	SLU-STATICA	1.3046	0.6406	58.15	22.30
479	478 Shell-Thick	SLU-STATICA	4.0416	-2.4482	70.65	22.30
479	478 Shell-Thick	SLU-SISMICA	20.9051	1.1937	86.01	12.46
479	478 Shell-Thick	SLU-SISMICA	17.2158	5.4286	70.28	12.46
479	478 Shell-Thick	SLU-SISMICA	1.7479	1.1050	70.28	28.19
479	478 Shell-Thick	SLU-SISMICA	5.0891	-2.7974	86.01	28.19
479	478 Shell-Thick	SLE-RARA	12.9674	0.7445	53.71	7.43
479	478 Shell-Thick	SLE-RARA	10.6915	3.2756	44.22	7.43
479	478 Shell-Thick	SLE-RARA	0.9885	0.4804	44.22	16.93
479	478 Shell-Thick	SLE-RARA	3.0689	-1.8647	53.71	16.93
479	478 Shell-Thick	SLE-FREQ.	12.7119	0.7300	52.67	7.27
479	478 Shell-Thick	SLE-FREQ.	10.4815	3.2063	43.38	7.27
479	478 Shell-Thick	SLE-FREQ.	0.9640	0.4603	43.38	16.57
479	478 Shell-Thick	SLE-FREQ.	3.0039	-1.8347	52.67	16.57
479	478 Shell-Thick	SLE-QP	11.9454	0.6866	49.55	6.79

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479	478 Shell-Thick	SLE-QP	9.8515	2.9984	40.86	6.79
479	478 Shell-Thick	SLE-QP	0.8907	0.4000	40.86	15.48
479	478 Shell-Thick	SLE-QP	2.8088	-1.7447	49.55	15.48
480	479 Shell-Thick	SLU-STATICA	5.4187	-3.0007	54.03	21.00
480	479 Shell-Thick	SLU-STATICA	5.7211	2.3519	43.26	21.00
480	479 Shell-Thick	SLU-STATICA	-3.9402	-0.5486	43.26	31.77
480	479 Shell-Thick	SLU-STATICA	-4.3951	-5.7595	54.03	31.77
480	479 Shell-Thick	SLU-SISMICA	6.8277	-3.5084	66.05	26.53
480	479 Shell-Thick	SLU-SISMICA	7.1976	3.2537	52.55	26.53
480	479 Shell-Thick	SLU-SISMICA	-4.5650	-0.1276	52.55	40.03
480	479 Shell-Thick	SLU-SISMICA	-5.1496	-6.6884	66.05	40.03
480	479 Shell-Thick	SLE-RARA	4.1145	-2.2840	41.07	15.94
480	479 Shell-Thick	SLE-RARA	4.3443	1.7799	32.89	15.94
480	479 Shell-Thick	SLE-RARA	-3.0000	-0.4279	32.89	24.13
480	479 Shell-Thick	SLE-RARA	-3.3451	-4.3848	41.07	24.13
480	479 Shell-Thick	SLE-FREQ.	4.0272	-2.2446	40.27	15.60
480	479 Shell-Thick	SLE-FREQ.	4.2525	1.7325	32.25	15.60
480	479 Shell-Thick	SLE-FREQ.	-2.9496	-0.4376	32.25	23.61
480	479 Shell-Thick	SLE-FREQ.	-3.2870	-4.3106	40.27	23.61
480	479 Shell-Thick	SLE-QP	3.7652	-2.1263	37.85	14.58
480	479 Shell-Thick	SLE-QP	3.9770	1.5902	30.36	14.58
480	479 Shell-Thick	SLE-QP	-2.7985	-0.4666	30.36	22.08
480	479 Shell-Thick	SLE-QP	-3.1127	-4.0882	37.85	22.08
481	480 Shell-Thick	SLU-STATICA	-2.6240	-6.0968	39.79	30.70
481	480 Shell-Thick	SLU-STATICA	0.0379	0.9386	31.25	30.70
481	480 Shell-Thick	SLU-STATICA	-7.0307	-1.1735	31.25	39.24
481	480 Shell-Thick	SLU-STATICA	-9.7736	-8.1363	39.79	39.24
481	480 Shell-Thick	SLU-SISMICA	-2.9998	-7.1384	48.80	38.65
481	480 Shell-Thick	SLU-SISMICA	0.2898	1.7234	38.12	38.65
481	480 Shell-Thick	SLU-SISMICA	-8.3486	-0.7213	38.12	49.33
481	480 Shell-Thick	SLU-SISMICA	-11.7604	-9.4716	48.80	49.33
481	480 Shell-Thick	SLE-RARA	-1.9986	-4.6404	30.24	23.31
481	480 Shell-Thick	SLE-RARA	0.0239	0.7017	23.75	23.31
481	480 Shell-Thick	SLE-RARA	-5.3488	-0.9063	23.75	29.80
481	480 Shell-Thick	SLE-RARA	-7.4324	-6.1938	30.24	29.80
481	480 Shell-Thick	SLE-FREQ.	-1.9664	-4.5600	29.64	22.81
481	480 Shell-Thick	SLE-FREQ.	0.0153	0.6688	23.29	22.81
481	480 Shell-Thick	SLE-FREQ.	-5.2522	-0.9123	23.29	29.17
481	480 Shell-Thick	SLE-FREQ.	-7.2931	-6.0883	29.64	29.17
481	480 Shell-Thick	SLE-QP	-1.8697	-4.3187	27.85	21.33
481	480 Shell-Thick	SLE-QP	-0.0104	0.5702	21.90	21.33
481	480 Shell-Thick	SLE-QP	-4.9626	-0.9302	21.90	27.28
481	480 Shell-Thick	SLE-QP	-6.8752	-5.7718	27.85	27.28
482	481 Shell-Thick	SLU-STATICA	-8.1008	-8.3203	27.28	38.43
482	481 Shell-Thick	SLU-STATICA	-3.7565	-1.481E-04	21.17	38.43
482	481 Shell-Thick	SLU-STATICA	-8.5858	-1.4232	21.17	44.54
482	481 Shell-Thick	SLU-STATICA	-12.9679	-9.7117	27.28	44.54
482	481 Shell-Thick	SLU-SISMICA	-9.7531	-9.7291	33.55	48.31
482	481 Shell-Thick	SLU-SISMICA	-4.3704	0.7333	25.91	48.31
482	481 Shell-Thick	SLU-SISMICA	-10.2893	-0.9089	25.91	55.95
482	481 Shell-Thick	SLU-SISMICA	-15.7353	-11.3159	33.55	55.95
482	481 Shell-Thick	SLE-RARA	-6.1602	-6.3329	20.73	29.18
482	481 Shell-Thick	SLE-RARA	-2.8597	-0.0149	16.09	29.18
482	481 Shell-Thick	SLE-RARA	-6.5300	-1.0985	16.09	33.83
482	481 Shell-Thick	SLE-RARA	-9.8589	-7.3928	20.73	33.83
482	481 Shell-Thick	SLE-FREQ.	-6.0446	-6.2236	20.32	28.57
482	481 Shell-Thick	SLE-FREQ.	-2.8110	-0.0390	15.77	28.57
482	481 Shell-Thick	SLE-FREQ.	-6.4090	-1.1046	15.77	33.11
482	481 Shell-Thick	SLE-FREQ.	-9.6697	-7.2665	20.32	33.11
482	481 Shell-Thick	SLE-QP	-5.6976	-5.8957	19.08	26.72
482	481 Shell-Thick	SLE-QP	-2.6652	-0.1113	14.82	26.72
482	481 Shell-Thick	SLE-QP	-6.0460	-1.1229	14.82	30.98
482	481 Shell-Thick	SLE-QP	-9.1023	-6.8877	19.08	30.98
483	482 Shell-Thick	SLU-STATICA	-11.6828	-9.7983	15.93	44.01
483	482 Shell-Thick	SLU-STATICA	-6.2765	-0.6177	12.27	44.01
483	482 Shell-Thick	SLU-STATICA	-9.0915	-1.4123	12.27	47.67
483	482 Shell-Thick	SLU-STATICA	-14.5115	-10.5828	15.93	47.67
483	482 Shell-Thick	SLU-SISMICA	-14.1999	-11.4452	19.63	55.27
483	482 Shell-Thick	SLU-SISMICA	-7.4865	0.0881	15.05	55.27

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483	482	Shell-Thick	SLU-SISMICA	-10.9434	-0.8246	15.05	59.85
483	482	Shell-Thick	SLU-SISMICA	-17.6840	-12.3352	19.63	59.85
483	482	Shell-Thick	SLE-RARA	-8.8814	-7.4581	12.10	33.42
483	482	Shell-Thick	SLE-RARA	-4.7743	-0.4865	9.32	33.42
483	482	Shell-Thick	SLE-RARA	-6.9136	-1.0916	9.32	36.20
483	482	Shell-Thick	SLE-RARA	-11.0309	-8.0558	12.10	36.20
483	482	Shell-Thick	SLE-FREQ.	-8.7102	-7.3298	11.86	32.72
483	482	Shell-Thick	SLE-FREQ.	-4.6870	-0.5050	9.14	32.72
483	482	Shell-Thick	SLE-FREQ.	-6.7839	-1.1002	9.14	35.44
483	482	Shell-Thick	SLE-FREQ.	-10.8167	-7.9181	11.86	35.44
483	482	Shell-Thick	SLE-QP	-8.1966	-6.9448	11.13	30.61
483	482	Shell-Thick	SLE-QP	-4.4251	-0.5605	8.59	30.61
483	482	Shell-Thick	SLE-QP	-6.3948	-1.1260	8.59	33.15
483	482	Shell-Thick	SLE-QP	-10.1743	-7.5048	11.13	33.15
484	483	Shell-Thick	SLU-STATICA	-13.8202	-10.6155	5.24	47.40
484	483	Shell-Thick	SLU-STATICA	-7.9042	-1.0038	4.02	47.40
484	483	Shell-Thick	SLU-STATICA	-8.8291	-1.2638	4.02	48.62
484	483	Shell-Thick	SLU-STATICA	-14.7486	-10.8732	5.24	48.62
484	483	Shell-Thick	SLU-SISMICA	-16.8589	-12.3874	6.46	59.51
484	483	Shell-Thick	SLU-SISMICA	-9.5031	-0.3193	4.94	59.51
484	483	Shell-Thick	SLU-SISMICA	-10.6401	-0.6183	4.94	61.04
484	483	Shell-Thick	SLU-SISMICA	-18.0037	-12.6803	6.46	61.04
484	483	Shell-Thick	SLE-RARA	-10.5050	-8.0805	3.98	36.00
484	483	Shell-Thick	SLE-RARA	-6.0109	-0.7813	3.06	36.00
484	483	Shell-Thick	SLE-RARA	-6.7139	-0.9793	3.06	36.92
484	483	Shell-Thick	SLE-RARA	-11.2105	-8.2768	3.98	36.92
484	483	Shell-Thick	SLE-FREQ.	-10.3005	-7.9418	3.90	35.24
484	483	Shell-Thick	SLE-FREQ.	-5.8985	-0.7962	3.00	35.24
484	483	Shell-Thick	SLE-FREQ.	-6.5875	-0.9909	3.00	36.15
484	483	Shell-Thick	SLE-FREQ.	-10.9919	-8.1350	3.90	36.15
484	483	Shell-Thick	SLE-QP	-9.6869	-7.5259	3.66	32.97
484	483	Shell-Thick	SLE-QP	-5.5613	-0.8408	2.81	32.97
484	483	Shell-Thick	SLE-QP	-6.2083	-1.0258	2.81	33.82
484	483	Shell-Thick	SLE-QP	-10.3359	-7.7098	3.66	33.82
485	484	Shell-Thick	SLU-STATICA	-14.7486	-10.8732	-5.24	48.62
485	484	Shell-Thick	SLU-STATICA	-8.8291	-1.2638	-4.02	48.62
485	484	Shell-Thick	SLU-STATICA	-7.9042	-1.0038	-4.02	47.40
485	484	Shell-Thick	SLU-STATICA	-13.8202	-10.6155	-5.24	47.40
485	484	Shell-Thick	SLU-SISMICA	-18.0037	-12.6803	-6.46	61.04
485	484	Shell-Thick	SLU-SISMICA	-10.6401	-0.6183	-4.94	61.04
485	484	Shell-Thick	SLU-SISMICA	-9.5031	-0.3193	-4.94	59.51
485	484	Shell-Thick	SLU-SISMICA	-16.8589	-12.3874	-6.46	59.51
485	484	Shell-Thick	SLE-RARA	-11.2105	-8.2768	-3.98	36.92
485	484	Shell-Thick	SLE-RARA	-6.7139	-0.9793	-3.06	36.92
485	484	Shell-Thick	SLE-RARA	-6.0109	-0.7813	-3.06	36.00
485	484	Shell-Thick	SLE-RARA	-10.5050	-8.0805	-3.98	36.00
485	484	Shell-Thick	SLE-FREQ.	-10.9919	-8.1350	-3.90	36.15
485	484	Shell-Thick	SLE-FREQ.	-6.5875	-0.9909	-3.00	36.15
485	484	Shell-Thick	SLE-FREQ.	-5.8985	-0.7962	-3.00	35.24
485	484	Shell-Thick	SLE-FREQ.	-10.3005	-7.9418	-3.90	35.24
485	484	Shell-Thick	SLE-QP	-10.3359	-7.7098	-3.66	33.82
485	484	Shell-Thick	SLE-QP	-6.2083	-1.0258	-2.81	33.82
485	484	Shell-Thick	SLE-QP	-5.5613	-0.8408	-2.81	32.97
485	484	Shell-Thick	SLE-QP	-9.6869	-7.5259	-3.66	32.97
486	485	Shell-Thick	SLU-STATICA	-14.5115	-10.5828	-15.93	47.67
486	485	Shell-Thick	SLU-STATICA	-9.0915	-1.4123	-12.27	47.67
486	485	Shell-Thick	SLU-STATICA	-6.2765	-0.6177	-12.27	44.01
486	485	Shell-Thick	SLU-STATICA	-11.6828	-9.7983	-15.93	44.01
486	485	Shell-Thick	SLU-SISMICA	-17.6840	-12.3352	-19.63	59.85
486	485	Shell-Thick	SLU-SISMICA	-10.9434	-0.8246	-15.05	59.85
486	485	Shell-Thick	SLU-SISMICA	-7.4865	0.0881	-15.05	55.27
486	485	Shell-Thick	SLU-SISMICA	-14.1999	-11.4452	-19.63	55.27
486	485	Shell-Thick	SLE-RARA	-11.0309	-8.0558	-12.10	36.20
486	485	Shell-Thick	SLE-RARA	-6.9136	-1.0916	-9.32	36.20
486	485	Shell-Thick	SLE-RARA	-4.7743	-0.4865	-9.32	33.42
486	485	Shell-Thick	SLE-RARA	-8.8814	-7.4581	-12.10	33.42
486	485	Shell-Thick	SLE-FREQ.	-10.8167	-7.9181	-11.86	35.44
486	485	Shell-Thick	SLE-FREQ.	-6.7839	-1.1002	-9.14	35.44
486	485	Shell-Thick	SLE-FREQ.	-4.6870	-0.5050	-9.14	32.72

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486	485	Shell-Thick	SLE-FREQ.	-8.7102	-7.3298	-11.86	32.72
486	485	Shell-Thick	SLE-QP	-10.1743	-7.5048	-11.13	33.15
486	485	Shell-Thick	SLE-QP	-6.3948	-1.1260	-8.59	33.15
486	485	Shell-Thick	SLE-QP	-4.4251	-0.5605	-8.59	30.61
486	485	Shell-Thick	SLE-QP	-8.1966	-6.9448	-11.13	30.61
487	486	Shell-Thick	SLU-STATICA	-12.9679	-9.7117	-27.28	44.54
487	486	Shell-Thick	SLU-STATICA	-8.5858	-1.4232	-21.17	44.54
487	486	Shell-Thick	SLU-STATICA	-3.7565	-1.481E-04	-21.17	38.43
487	486	Shell-Thick	SLU-STATICA	-8.1008	-8.3203	-27.28	38.43
487	486	Shell-Thick	SLU-SISMICA	-15.7353	-11.3159	-33.55	55.95
487	486	Shell-Thick	SLU-SISMICA	-10.2893	-0.9089	-25.91	55.95
487	486	Shell-Thick	SLU-SISMICA	-4.3704	0.7333	-25.91	48.31
487	486	Shell-Thick	SLU-SISMICA	-9.7531	-9.7291	-33.55	48.31
487	486	Shell-Thick	SLE-RARA	-9.8589	-7.3928	-20.73	33.83
487	486	Shell-Thick	SLE-RARA	-6.5300	-1.0985	-16.09	33.83
487	486	Shell-Thick	SLE-RARA	-2.8597	-0.0149	-16.09	29.18
487	486	Shell-Thick	SLE-RARA	-6.1602	-6.3329	-20.73	29.18
487	486	Shell-Thick	SLE-FREQ.	-9.6697	-7.2665	-20.32	33.11
487	486	Shell-Thick	SLE-FREQ.	-6.4090	-1.1046	-15.77	33.11
487	486	Shell-Thick	SLE-FREQ.	-2.8110	-0.0390	-15.77	28.57
487	486	Shell-Thick	SLE-FREQ.	-6.0446	-6.2236	-20.32	28.57
487	486	Shell-Thick	SLE-QP	-9.1023	-6.8877	-19.08	30.98
487	486	Shell-Thick	SLE-QP	-6.0460	-1.1229	-14.82	30.98
487	486	Shell-Thick	SLE-QP	-2.6652	-0.1113	-14.82	26.72
487	486	Shell-Thick	SLE-QP	-5.6976	-5.8957	-19.08	26.72
488	487	Shell-Thick	SLU-STATICA	-9.7736	-8.1363	-39.79	39.24
488	487	Shell-Thick	SLU-STATICA	-7.0307	-1.1735	-31.25	39.24
488	487	Shell-Thick	SLU-STATICA	0.0379	0.9386	-31.25	30.70
488	487	Shell-Thick	SLU-STATICA	-2.6240	-6.0968	-39.79	30.70
488	487	Shell-Thick	SLU-SISMICA	-11.7604	-9.4716	-48.80	49.33
488	487	Shell-Thick	SLU-SISMICA	-8.3486	-0.7213	-38.12	49.33
488	487	Shell-Thick	SLU-SISMICA	0.2898	1.7234	-38.12	38.65
488	487	Shell-Thick	SLU-SISMICA	-2.9998	-7.1384	-48.80	38.65
488	487	Shell-Thick	SLE-RARA	-7.4324	-6.1938	-30.24	29.80
488	487	Shell-Thick	SLE-RARA	-5.3488	-0.9063	-23.75	29.80
488	487	Shell-Thick	SLE-RARA	0.0239	0.7017	-23.75	23.31
488	487	Shell-Thick	SLE-RARA	-1.9986	-4.6404	-30.24	23.31
488	487	Shell-Thick	SLE-FREQ.	-7.2931	-6.0883	-29.64	29.17
488	487	Shell-Thick	SLE-FREQ.	-5.2522	-0.9123	-23.29	29.17
488	487	Shell-Thick	SLE-FREQ.	0.0153	0.6688	-23.29	22.81
488	487	Shell-Thick	SLE-FREQ.	-1.9664	-4.5600	-29.64	22.81
488	487	Shell-Thick	SLE-QP	-6.8752	-5.7718	-27.85	27.28
488	487	Shell-Thick	SLE-QP	-4.9626	-0.9302	-21.90	27.28
488	487	Shell-Thick	SLE-QP	-0.0104	0.5702	-21.90	21.33
488	487	Shell-Thick	SLE-QP	-1.8697	-4.3187	-27.85	21.33
489	488	Shell-Thick	SLU-STATICA	-4.3950	-5.7595	-54.03	31.77
489	488	Shell-Thick	SLU-STATICA	-3.9402	-0.5486	-43.26	31.77
489	488	Shell-Thick	SLU-STATICA	5.7211	2.3519	-43.26	21.00
489	488	Shell-Thick	SLU-STATICA	5.4187	-3.0007	-54.03	21.00
489	488	Shell-Thick	SLU-SISMICA	-5.1496	-6.6884	-66.05	40.03
489	488	Shell-Thick	SLU-SISMICA	-4.5650	-0.1276	-52.55	40.03
489	488	Shell-Thick	SLU-SISMICA	7.1976	3.2537	-52.55	26.53
489	488	Shell-Thick	SLU-SISMICA	6.8277	-3.5084	-66.05	26.53
489	488	Shell-Thick	SLE-RARA	-3.3451	-4.3848	-41.07	24.13
489	488	Shell-Thick	SLE-RARA	-3.0000	-0.4279	-32.89	24.13
489	488	Shell-Thick	SLE-RARA	4.3443	1.7799	-32.89	15.94
489	488	Shell-Thick	SLE-RARA	4.1145	-2.2840	-41.07	15.94
489	488	Shell-Thick	SLE-FREQ.	-3.2870	-4.3106	-40.27	23.61
489	488	Shell-Thick	SLE-FREQ.	-2.9496	-0.4376	-32.25	23.61
489	488	Shell-Thick	SLE-FREQ.	4.2525	1.7325	-32.25	15.60
489	488	Shell-Thick	SLE-FREQ.	4.0272	-2.2446	-40.27	15.60
489	488	Shell-Thick	SLE-QP	-3.1127	-4.0882	-37.85	22.08
489	488	Shell-Thick	SLE-QP	-2.7985	-0.4666	-30.36	22.08
489	488	Shell-Thick	SLE-QP	3.9770	1.5902	-30.36	14.58
489	488	Shell-Thick	SLE-QP	3.7652	-2.1263	-37.85	14.58
490	489	Shell-Thick	SLU-STATICA	4.0416	-2.4482	-70.65	22.30
490	489	Shell-Thick	SLU-STATICA	1.3046	0.6406	-58.15	22.30
490	489	Shell-Thick	SLU-STATICA	14.0670	4.3138	-58.15	9.79
490	489	Shell-Thick	SLU-STATICA	17.0620	0.9794	-70.65	9.79



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490	489	Shell-Thick	SLU-SISMICA	5.0891	-2.7974	-86.01	28.19
490	489	Shell-Thick	SLU-SISMICA	1.7479	1.1050	-70.28	28.19
490	489	Shell-Thick	SLU-SISMICA	17.2158	5.4286	-70.28	12.46
490	489	Shell-Thick	SLU-SISMICA	20.9051	1.1937	-86.01	12.46
490	489	Shell-Thick	SLE-RARA	3.0689	-1.8647	-53.71	16.93
490	489	Shell-Thick	SLE-RARA	0.9885	0.4804	-44.22	16.93
490	489	Shell-Thick	SLE-RARA	10.6915	3.2756	-44.22	7.43
490	489	Shell-Thick	SLE-RARA	12.9674	0.7445	-53.71	7.43
490	489	Shell-Thick	SLE-FREQ.	3.0039	-1.8347	-52.67	16.57
490	489	Shell-Thick	SLE-FREQ.	0.9640	0.4603	-43.38	16.57
490	489	Shell-Thick	SLE-FREQ.	10.4815	3.2063	-43.38	7.27
490	489	Shell-Thick	SLE-FREQ.	12.7119	0.7300	-52.67	7.27
490	489	Shell-Thick	SLE-QP	2.8088	-1.7447	-49.55	15.48
490	489	Shell-Thick	SLE-QP	0.8907	0.4000	-40.86	15.48
490	489	Shell-Thick	SLE-QP	9.8515	2.9984	-40.86	6.79
490	489	Shell-Thick	SLE-QP	11.9454	0.6866	-49.55	6.79
491	490	Shell-Thick	SLU-STATICA	16.8741	1.8459	-90.25	11.22
491	490	Shell-Thick	SLU-STATICA	9.8685	2.5699	-77.01	11.22
491	490	Shell-Thick	SLU-STATICA	26.4059	6.5806	-77.01	-2.02
491	490	Shell-Thick	SLU-STATICA	33.8172	5.4640	-90.25	-2.02
491	490	Shell-Thick	SLU-SISMICA	20.4767	2.2745	-109.39	14.30
491	490	Shell-Thick	SLU-SISMICA	11.8757	3.1940	-92.54	14.30
491	490	Shell-Thick	SLU-SISMICA	31.8197	7.9945	-92.54	-2.54
491	490	Shell-Thick	SLU-SISMICA	40.9525	6.5599	-109.39	-2.54
491	490	Shell-Thick	SLE-RARA	12.8286	1.4027	-68.62	8.52
491	490	Shell-Thick	SLE-RARA	7.5046	1.9523	-58.57	8.52
491	490	Shell-Thick	SLE-RARA	20.0797	5.0027	-58.57	-1.54
491	490	Shell-Thick	SLE-RARA	25.7113	4.1555	-68.62	-1.54
491	490	Shell-Thick	SLE-FREQ.	12.5824	1.3746	-67.31	8.33
491	490	Shell-Thick	SLE-FREQ.	7.3639	1.9123	-57.47	8.33
491	490	Shell-Thick	SLE-FREQ.	19.7018	4.9064	-57.47	-1.50
491	490	Shell-Thick	SLE-FREQ.	25.2208	4.0781	-67.31	-1.50
491	490	Shell-Thick	SLE-QP	11.8438	1.2904	-63.37	7.77
491	490	Shell-Thick	SLE-QP	6.9418	1.7924	-54.19	7.77
491	490	Shell-Thick	SLE-QP	18.5681	4.6175	-54.19	-1.41
491	490	Shell-Thick	SLE-QP	23.7490	3.8459	-63.37	-1.41
492	491	Shell-Thick	SLU-STATICA	24.6645	3.3756	78.67	-2.42
492	491	Shell-Thick	SLU-STATICA	16.9181	4.9409	59.90	-2.42
492	491	Shell-Thick	SLU-STATICA	3.2292	2.0315	59.90	16.36
492	491	Shell-Thick	SLU-STATICA	10.6163	0.8069	78.67	16.36
492	491	Shell-Thick	SLU-SISMICA	29.6588	4.0170	94.61	-2.98
492	491	Shell-Thick	SLU-SISMICA	20.2447	5.9636	71.43	-2.98
492	491	Shell-Thick	SLU-SISMICA	3.8615	2.5254	71.43	20.20
492	491	Shell-Thick	SLU-SISMICA	12.8072	1.0241	94.61	20.20
492	491	Shell-Thick	SLE-RARA	18.7568	2.5679	59.83	-1.84
492	491	Shell-Thick	SLE-RARA	12.8678	3.7570	45.56	-1.84
492	491	Shell-Thick	SLE-RARA	2.4561	1.5433	45.56	12.43
492	491	Shell-Thick	SLE-RARA	8.0726	0.6125	59.83	12.43
492	491	Shell-Thick	SLE-FREQ.	18.4058	2.5213	58.71	-1.80
492	491	Shell-Thick	SLE-FREQ.	12.6303	3.6860	44.73	-1.80
492	491	Shell-Thick	SLE-FREQ.	2.4109	1.5117	44.73	12.18
492	491	Shell-Thick	SLE-FREQ.	7.9202	0.5993	58.71	12.18
492	491	Shell-Thick	SLE-QP	17.3531	2.3813	55.35	-1.69
492	491	Shell-Thick	SLE-QP	11.9180	3.4729	42.23	-1.69
492	491	Shell-Thick	SLE-QP	2.2752	1.4168	42.23	11.43
492	491	Shell-Thick	SLE-QP	7.4630	0.5595	55.35	11.43
493	492	Shell-Thick	SLU-STATICA	12.1792	-0.1125	59.68	14.43
493	492	Shell-Thick	SLU-STATICA	9.7328	4.5643	42.72	14.43
493	492	Shell-Thick	SLU-STATICA	-0.4163	2.7607	42.72	31.39
493	492	Shell-Thick	SLU-STATICA	1.8320	-1.7349	59.68	31.39
493	492	Shell-Thick	SLU-SISMICA	14.8746	-0.1035	72.16	17.79
493	492	Shell-Thick	SLU-SISMICA	11.8650	5.6672	51.33	17.79
493	492	Shell-Thick	SLU-SISMICA	-0.3582	3.6153	51.33	38.62
493	492	Shell-Thick	SLU-SISMICA	2.3806	-1.9053	72.16	38.62
493	492	Shell-Thick	SLE-RARA	9.2573	-0.0862	45.38	10.97
493	492	Shell-Thick	SLE-RARA	7.3983	3.4674	32.49	10.97
493	492	Shell-Thick	SLE-RARA	-0.3195	2.0935	32.49	23.86
493	492	Shell-Thick	SLE-RARA	1.3896	-1.3230	45.38	23.86
493	492	Shell-Thick	SLE-FREQ.	9.0765	-0.0857	44.51	10.75

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493	492 Shell-Thick	SLE-FREQ.	7.2545	3.3966	31.88	10.75
493	492 Shell-Thick	SLE-FREQ.	-0.3182	2.0445	31.88	23.38
493	492 Shell-Thick	SLE-FREQ.	1.3577	-1.3043	44.51	23.38
493	492 Shell-Thick	SLE-QP	8.5341	-0.0840	41.93	10.09
493	492 Shell-Thick	SLE-QP	6.8232	3.1842	30.06	10.09
493	492 Shell-Thick	SLE-QP	-0.3145	1.8976	30.06	21.95
493	492 Shell-Thick	SLE-QP	1.2620	-1.2481	41.93	21.95
494	493 Shell-Thick	SLU-STATICA	3.9267	-2.4350	44.54	29.65
494	493 Shell-Thick	SLU-STATICA	4.8510	4.9332	30.61	29.65
494	493 Shell-Thick	SLU-STATICA	-2.6251	4.0634	30.61	43.59
494	493 Shell-Thick	SLU-STATICA	-3.6392	-3.2289	44.54	43.59
494	493 Shell-Thick	SLU-SISMICA	4.9612	-2.7811	54.13	36.45
494	493 Shell-Thick	SLU-SISMICA	6.0461	6.2880	37.01	36.45
494	493 Shell-Thick	SLU-SISMICA	-3.0075	5.3588	37.01	53.57
494	493 Shell-Thick	SLU-SISMICA	-4.2283	-3.5916	54.13	53.57
494	493 Shell-Thick	SLE-RARA	2.9813	-1.8547	33.86	22.53
494	493 Shell-Thick	SLE-RARA	3.6848	3.7444	23.27	22.53
494	493 Shell-Thick	SLE-RARA	-1.9993	3.0805	23.27	33.12
494	493 Shell-Thick	SLE-RARA	-2.7705	-2.4614	33.86	33.12
494	493 Shell-Thick	SLE-FREQ.	2.9176	-1.8249	33.21	22.09
494	493 Shell-Thick	SLE-FREQ.	3.6088	3.6625	22.83	22.09
494	493 Shell-Thick	SLE-FREQ.	-1.9669	3.0072	22.83	32.47
494	493 Shell-Thick	SLE-FREQ.	-2.7236	-2.4250	33.21	32.47
494	493 Shell-Thick	SLE-QP	2.7264	-1.7355	31.25	20.74
494	493 Shell-Thick	SLE-QP	3.3808	3.4169	21.50	20.74
494	493 Shell-Thick	SLE-QP	-1.8695	2.7872	21.50	30.49
494	493 Shell-Thick	SLE-QP	-2.5829	-2.3159	31.25	30.49
495	494 Shell-Thick	SLU-STATICA	-1.5357	-3.6867	32.24	42.23
495	494 Shell-Thick	SLU-STATICA	1.8215	5.8312	21.66	42.23
495	494 Shell-Thick	SLU-STATICA	-3.5618	5.5327	21.66	52.81
495	494 Shell-Thick	SLU-STATICA	-6.9420	-3.9728	32.24	52.81
495	494 Shell-Thick	SLU-SISMICA	-1.6889	-4.1760	39.35	51.87
495	494 Shell-Thick	SLU-SISMICA	2.3798	7.5286	26.33	51.87
495	494 Shell-Thick	SLU-SISMICA	-4.1683	7.2619	26.33	64.89
495	494 Shell-Thick	SLU-SISMICA	-8.2868	-4.4059	39.35	64.89
495	494 Shell-Thick	SLE-RARA	-1.1711	-2.8088	24.51	32.09
495	494 Shell-Thick	SLE-RARA	1.3813	4.4240	16.47	32.09
495	494 Shell-Thick	SLE-RARA	-2.7110	4.1951	16.47	40.13
495	494 Shell-Thick	SLE-RARA	-5.2804	-3.0287	24.51	40.13
495	494 Shell-Thick	SLE-FREQ.	-1.1544	-2.7648	24.03	31.45
495	494 Shell-Thick	SLE-FREQ.	1.3492	4.3241	16.15	31.45
495	494 Shell-Thick	SLE-FREQ.	-2.6641	4.0964	16.15	39.34
495	494 Shell-Thick	SLE-FREQ.	-5.1837	-2.9844	24.03	39.34
495	494 Shell-Thick	SLE-QP	-1.1044	-2.6328	22.60	29.54
495	494 Shell-Thick	SLE-QP	1.2528	4.0243	15.20	29.54
495	494 Shell-Thick	SLE-QP	-2.5234	3.8003	15.20	36.94
495	494 Shell-Thick	SLE-QP	-4.8934	-2.8514	22.60	36.94
496	495 Shell-Thick	SLU-STATICA	-5.0547	-4.2334	21.86	51.82
496	495 Shell-Thick	SLU-STATICA	-0.0674	6.8697	14.48	51.82
496	495 Shell-Thick	SLU-STATICA	-3.7100	6.9383	14.48	59.21
496	495 Shell-Thick	SLU-STATICA	-8.6862	-4.1833	21.86	59.21
496	495 Shell-Thick	SLU-SISMICA	-6.0233	-4.7472	26.76	63.66
496	495 Shell-Thick	SLU-SISMICA	0.0677	8.9032	17.67	63.66
496	495 Shell-Thick	SLU-SISMICA	-4.3778	9.0544	17.67	72.76
496	495 Shell-Thick	SLU-SISMICA	-10.4713	-4.6026	26.76	72.76
496	495 Shell-Thick	SLE-RARA	-3.8451	-3.2264	16.62	39.38
496	495 Shell-Thick	SLE-RARA	-0.0542	5.2112	11.01	39.38
496	495 Shell-Thick	SLE-RARA	-2.8230	5.2620	11.01	44.99
496	495 Shell-Thick	SLE-RARA	-6.6051	-3.1899	16.62	44.99
496	495 Shell-Thick	SLE-FREQ.	-3.7750	-3.1774	16.29	38.60
496	495 Shell-Thick	SLE-FREQ.	-0.0582	5.0924	10.79	38.60
496	495 Shell-Thick	SLE-FREQ.	-2.7730	5.1400	10.79	44.10
496	495 Shell-Thick	SLE-FREQ.	-6.4807	-3.1445	16.29	44.10
496	495 Shell-Thick	SLE-QP	-3.5647	-3.0305	15.31	36.26
496	495 Shell-Thick	SLE-QP	-0.0699	4.7359	10.15	36.26
496	495 Shell-Thick	SLE-QP	-2.6229	4.7738	10.15	41.42
496	495 Shell-Thick	SLE-QP	-6.1073	-3.0081	15.31	41.42
497	496 Shell-Thick	SLU-STATICA	-7.2849	-4.3186	12.68	58.57
497	496 Shell-Thick	SLU-STATICA	-1.3308	7.8297	8.33	58.57



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497	496 Shell-Thick	SLU-STATICA	-3.4420	7.9789	8.33	62.92
497	496 Shell-Thick	SLU-STATICA	-9.3790	-4.1909	12.68	62.92
497	496 Shell-Thick	SLU-SISMICA	-8.7922	-4.7846	15.56	71.96
497	496 Shell-Thick	SLU-SISMICA	-1.4919	10.1494	10.19	71.96
497	496 Shell-Thick	SLU-SISMICA	-4.0741	10.3702	10.19	77.34
497	496 Shell-Thick	SLU-SISMICA	-11.3634	-4.5803	15.56	77.34
497	496 Shell-Thick	SLE-RARA	-5.5393	-3.2924	9.64	44.51
497	496 Shell-Thick	SLE-RARA	-1.0142	5.9395	6.33	44.51
497	496 Shell-Thick	SLE-RARA	-2.6189	6.0521	6.33	47.82
497	496 Shell-Thick	SLE-RARA	-7.1308	-3.1964	9.64	47.82
497	496 Shell-Thick	SLE-FREQ.	-5.4346	-3.2444	9.45	43.62
497	496 Shell-Thick	SLE-FREQ.	-0.9988	5.8040	6.20	43.62
497	496 Shell-Thick	SLE-FREQ.	-2.5720	5.9131	6.20	46.87
497	496 Shell-Thick	SLE-FREQ.	-6.9946	-3.1518	9.45	46.87
497	496 Shell-Thick	SLE-QP	-5.1205	-3.1003	8.88	40.97
497	496 Shell-Thick	SLE-QP	-0.9527	5.3974	5.83	40.97
497	496 Shell-Thick	SLE-QP	-2.4315	5.4961	5.83	44.02
497	496 Shell-Thick	SLE-QP	-6.5858	-3.0182	8.88	44.02
498	497 Shell-Thick	SLU-STATICA	-8.6408	-4.2471	4.16	62.61
498	497 Shell-Thick	SLU-STATICA	-2.2338	8.4244	2.72	62.61
498	497 Shell-Thick	SLU-STATICA	-2.9260	8.4980	2.72	64.05
498	497 Shell-Thick	SLU-STATICA	-9.3250	-4.1830	4.16	64.05
498	497 Shell-Thick	SLU-SISMICA	-10.4794	-4.6577	5.11	76.94
498	497 Shell-Thick	SLU-SISMICA	-2.6073	10.9178	3.33	76.94
498	497 Shell-Thick	SLU-SISMICA	-3.4547	11.0208	3.33	78.72
498	497 Shell-Thick	SLU-SISMICA	-11.3204	-4.5629	5.11	78.72
498	497 Shell-Thick	SLE-RARA	-6.5693	-3.2389	3.16	47.58
498	497 Shell-Thick	SLE-RARA	-1.7004	6.3906	2.07	47.58
498	497 Shell-Thick	SLE-RARA	-2.2264	6.4463	2.07	48.67
498	497 Shell-Thick	SLE-RARA	-7.0892	-3.1905	3.16	48.67
498	497 Shell-Thick	SLE-FREQ.	-6.4435	-3.1933	3.10	46.63
498	497 Shell-Thick	SLE-FREQ.	-1.6712	6.2449	2.03	46.63
498	497 Shell-Thick	SLE-FREQ.	-2.1869	6.2991	2.03	47.71
498	497 Shell-Thick	SLE-FREQ.	-6.9530	-3.1463	3.10	47.71
498	497 Shell-Thick	SLE-QP	-6.0659	-3.0562	2.91	43.80
498	497 Shell-Thick	SLE-QP	-1.5836	5.8077	1.90	43.80
498	497 Shell-Thick	SLE-QP	-2.0683	5.8573	1.90	44.80
498	497 Shell-Thick	SLE-QP	-6.5445	-3.0138	2.91	44.80
499	498 Shell-Thick	SLU-STATICA	-9.3250	-4.1830	-4.16	64.05
499	498 Shell-Thick	SLU-STATICA	-2.9260	8.4980	-2.72	64.05
499	498 Shell-Thick	SLU-STATICA	-2.2338	8.4244	-2.72	62.61
499	498 Shell-Thick	SLU-STATICA	-8.6408	-4.2471	-4.16	62.61
499	498 Shell-Thick	SLU-SISMICA	-11.3204	-4.5629	-5.11	78.72
499	498 Shell-Thick	SLU-SISMICA	-3.4547	11.0208	-3.33	78.72
499	498 Shell-Thick	SLU-SISMICA	-2.6073	10.9178	-3.33	76.94
499	498 Shell-Thick	SLU-SISMICA	-10.4794	-4.6577	-5.11	76.94
499	498 Shell-Thick	SLE-RARA	-7.0892	-3.1905	-3.16	48.67
499	498 Shell-Thick	SLE-RARA	-2.2264	6.4463	-2.07	48.67
499	498 Shell-Thick	SLE-RARA	-1.7004	6.3906	-2.07	47.58
499	498 Shell-Thick	SLE-RARA	-6.5693	-3.2389	-3.16	47.58
499	498 Shell-Thick	SLE-FREQ.	-6.9530	-3.1463	-3.10	47.71
499	498 Shell-Thick	SLE-FREQ.	-2.1869	6.2991	-2.03	47.71
499	498 Shell-Thick	SLE-FREQ.	-1.6712	6.2449	-2.03	46.63
499	498 Shell-Thick	SLE-FREQ.	-6.4435	-3.1933	-3.10	46.63
499	498 Shell-Thick	SLE-QP	-6.5445	-3.0138	-2.91	44.80
499	498 Shell-Thick	SLE-QP	-2.0683	5.8573	-1.90	44.80
499	498 Shell-Thick	SLE-QP	-1.5836	5.8077	-1.90	43.80
499	498 Shell-Thick	SLE-QP	-6.0659	-3.0562	-2.91	43.80
500	499 Shell-Thick	SLU-STATICA	-9.3790	-4.1909	-12.68	62.92
500	499 Shell-Thick	SLU-STATICA	-3.4420	7.9789	-8.33	62.92
500	499 Shell-Thick	SLU-STATICA	-1.3308	7.8297	-8.33	58.57
500	499 Shell-Thick	SLU-STATICA	-7.2849	-4.3186	-12.68	58.57
500	499 Shell-Thick	SLU-SISMICA	-11.3634	-4.5803	-15.56	77.34
500	499 Shell-Thick	SLU-SISMICA	-4.0741	10.3702	-10.19	77.34
500	499 Shell-Thick	SLU-SISMICA	-1.4919	10.1494	-10.19	71.96
500	499 Shell-Thick	SLU-SISMICA	-8.7922	-4.7846	-15.56	71.96
500	499 Shell-Thick	SLE-RARA	-7.1308	-3.1964	-9.64	47.82
500	499 Shell-Thick	SLE-RARA	-2.6189	6.0521	-6.33	47.82
500	499 Shell-Thick	SLE-RARA	-1.0142	5.9395	-6.33	44.51

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500	499	Shell-Thick	SLE-RARA	-5.5393	-3.2924	-9.64	44.51
500	499	Shell-Thick	SLE-FREQ.	-6.9946	-3.1518	-9.45	46.87
500	499	Shell-Thick	SLE-FREQ.	-2.5720	5.9131	-6.20	46.87
500	499	Shell-Thick	SLE-FREQ.	-0.9988	5.8040	-6.20	43.62
500	499	Shell-Thick	SLE-FREQ.	-5.4346	-3.2444	-9.45	43.62
500	499	Shell-Thick	SLE-QP	-6.5858	-3.0182	-8.88	44.02
500	499	Shell-Thick	SLE-QP	-2.4315	5.4961	-5.83	44.02
500	499	Shell-Thick	SLE-QP	-0.9527	5.3974	-5.83	40.97
500	499	Shell-Thick	SLE-QP	-5.1205	-3.1003	-8.88	40.97
501	500	Shell-Thick	SLU-STATICA	-8.6862	-4.1833	-21.86	59.21
501	500	Shell-Thick	SLU-STATICA	-3.7100	6.9383	-14.48	59.21
501	500	Shell-Thick	SLU-STATICA	-0.0674	6.8697	-14.48	51.82
501	500	Shell-Thick	SLU-STATICA	-5.0547	-4.2334	-21.86	51.82
501	500	Shell-Thick	SLU-SISMICA	-10.4713	-4.6026	-26.76	72.76
501	500	Shell-Thick	SLU-SISMICA	-4.3778	9.0544	-17.67	72.76
501	500	Shell-Thick	SLU-SISMICA	0.0677	8.9032	-17.67	63.66
501	500	Shell-Thick	SLU-SISMICA	-6.0233	-4.7472	-26.76	63.66
501	500	Shell-Thick	SLE-RARA	-6.6051	-3.1899	-16.62	44.99
501	500	Shell-Thick	SLE-RARA	-2.8230	5.2620	-11.01	44.99
501	500	Shell-Thick	SLE-RARA	-0.0542	5.2112	-11.01	39.38
501	500	Shell-Thick	SLE-RARA	-3.8451	-3.2264	-16.62	39.38
501	500	Shell-Thick	SLE-FREQ.	-6.4807	-3.1445	-16.29	44.10
501	500	Shell-Thick	SLE-FREQ.	-2.7730	5.1400	-10.79	44.10
501	500	Shell-Thick	SLE-FREQ.	-0.0582	5.0924	-10.79	38.60
501	500	Shell-Thick	SLE-FREQ.	-3.7750	-3.1774	-16.29	38.60
501	500	Shell-Thick	SLE-QP	-6.1073	-3.0081	-15.31	41.42
501	500	Shell-Thick	SLE-QP	-2.6229	4.7738	-10.15	41.42
501	500	Shell-Thick	SLE-QP	-0.0699	4.7359	-10.15	36.26
501	500	Shell-Thick	SLE-QP	-3.5647	-3.0305	-15.31	36.26
502	501	Shell-Thick	SLU-STATICA	-6.9420	-3.9728	-32.24	52.81
502	501	Shell-Thick	SLU-STATICA	-3.5618	5.5327	-21.66	52.81
502	501	Shell-Thick	SLU-STATICA	1.8215	5.8312	-21.66	42.23
502	501	Shell-Thick	SLU-STATICA	-1.5357	-3.6867	-32.24	42.23
502	501	Shell-Thick	SLU-SISMICA	-8.2868	-4.4059	-39.35	64.89
502	501	Shell-Thick	SLU-SISMICA	-4.1683	7.2619	-26.33	64.89
502	501	Shell-Thick	SLU-SISMICA	2.3798	7.5286	-26.33	51.87
502	501	Shell-Thick	SLU-SISMICA	-1.6889	-4.1760	-39.35	51.87
502	501	Shell-Thick	SLE-RARA	-5.2804	-3.0287	-24.51	40.13
502	501	Shell-Thick	SLE-RARA	-2.7110	4.1951	-16.47	40.13
502	501	Shell-Thick	SLE-RARA	1.3813	4.4240	-16.47	32.09
502	501	Shell-Thick	SLE-RARA	-1.1711	-2.8088	-24.51	32.09
502	501	Shell-Thick	SLE-FREQ.	-5.1837	-2.9844	-24.03	39.34
502	501	Shell-Thick	SLE-FREQ.	-2.6641	4.0964	-16.15	39.34
502	501	Shell-Thick	SLE-FREQ.	1.3492	4.3241	-16.15	31.45
502	501	Shell-Thick	SLE-FREQ.	-1.1544	-2.7648	-24.03	31.45
502	501	Shell-Thick	SLE-QP	-4.8934	-2.8514	-22.60	36.94
502	501	Shell-Thick	SLE-QP	-2.5234	3.8003	-15.20	36.94
502	501	Shell-Thick	SLE-QP	1.2528	4.0243	-15.20	29.54
502	501	Shell-Thick	SLE-QP	-1.1044	-2.6328	-22.60	29.54
503	502	Shell-Thick	SLU-STATICA	-3.6392	-3.2289	-44.54	43.59
503	502	Shell-Thick	SLU-STATICA	-2.6251	4.0634	-30.61	43.59
503	502	Shell-Thick	SLU-STATICA	4.8510	4.9332	-30.61	29.65
503	502	Shell-Thick	SLU-STATICA	3.9267	-2.4350	-44.54	29.65
503	502	Shell-Thick	SLU-SISMICA	-4.2283	-3.5916	-54.13	53.57
503	502	Shell-Thick	SLU-SISMICA	-3.0075	5.3588	-37.01	53.57
503	502	Shell-Thick	SLU-SISMICA	6.0461	6.2880	-37.01	36.45
503	502	Shell-Thick	SLU-SISMICA	4.9612	-2.7811	-54.13	36.45
503	502	Shell-Thick	SLE-RARA	-2.7705	-2.4614	-33.86	33.12
503	502	Shell-Thick	SLE-RARA	-1.9993	3.0805	-23.27	33.12
503	502	Shell-Thick	SLE-RARA	3.6848	3.7444	-23.27	22.53
503	502	Shell-Thick	SLE-RARA	2.9813	-1.8547	-33.86	22.53
503	502	Shell-Thick	SLE-FREQ.	-2.7236	-2.4250	-33.21	32.47
503	502	Shell-Thick	SLE-FREQ.	-1.9669	3.0072	-22.83	32.47
503	502	Shell-Thick	SLE-FREQ.	3.6088	3.6625	-22.83	22.09
503	502	Shell-Thick	SLE-FREQ.	2.9176	-1.8249	-33.21	22.09
503	502	Shell-Thick	SLE-QP	-2.5829	-2.3159	-31.25	30.49
503	502	Shell-Thick	SLE-QP	-1.8695	2.7872	-21.50	30.49
503	502	Shell-Thick	SLE-QP	3.3808	3.4169	-21.50	20.74
503	502	Shell-Thick	SLE-QP	2.7264	-1.7355	-31.25	20.74

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504	503 Shell-Thick	SLU-STATICA	1.8320	-1.7349	-59.68	31.39
504	503 Shell-Thick	SLU-STATICA	-0.4163	2.7607	-42.72	31.39
504	503 Shell-Thick	SLU-STATICA	9.7328	4.5643	-42.72	14.43
504	503 Shell-Thick	SLU-STATICA	12.1792	-0.1125	-59.68	14.43
504	503 Shell-Thick	SLU-SISMICA	2.3806	-1.9053	-72.16	38.62
504	503 Shell-Thick	SLU-SISMICA	-0.3582	3.6153	-51.33	38.62
504	503 Shell-Thick	SLU-SISMICA	11.8650	5.6672	-51.33	17.79
504	503 Shell-Thick	SLU-SISMICA	14.8746	-0.1035	-72.16	17.79
504	503 Shell-Thick	SLE-RARA	1.3896	-1.3230	-45.38	23.86
504	503 Shell-Thick	SLE-RARA	-0.3195	2.0935	-32.49	23.86
504	503 Shell-Thick	SLE-RARA	7.3983	3.4674	-32.49	10.97
504	503 Shell-Thick	SLE-RARA	9.2573	-0.0862	-45.38	10.97
504	503 Shell-Thick	SLE-FREQ.	1.3577	-1.3043	-44.51	23.38
504	503 Shell-Thick	SLE-FREQ.	-0.3182	2.0445	-31.88	23.38
504	503 Shell-Thick	SLE-FREQ.	7.2545	3.3966	-31.88	10.75
504	503 Shell-Thick	SLE-FREQ.	9.0765	-0.0857	-44.51	10.75
504	503 Shell-Thick	SLE-QP	1.2620	-1.2481	-41.93	21.95
504	503 Shell-Thick	SLE-QP	-0.3145	1.8976	-30.06	21.95
504	503 Shell-Thick	SLE-QP	6.8232	3.1842	-30.06	10.09
504	503 Shell-Thick	SLE-QP	8.5341	-0.0840	-41.93	10.09
505	504 Shell-Thick	SLU-STATICA	10.6163	0.8069	-78.67	16.36
505	504 Shell-Thick	SLU-STATICA	3.2292	2.0315	-59.90	16.36
505	504 Shell-Thick	SLU-STATICA	16.9181	4.9409	-59.90	-2.42
505	504 Shell-Thick	SLU-STATICA	24.6645	3.3756	-78.67	-2.42
505	504 Shell-Thick	SLU-SISMICA	12.8072	1.0241	-94.61	20.20
505	504 Shell-Thick	SLU-SISMICA	3.8615	2.5254	-71.43	20.20
505	504 Shell-Thick	SLU-SISMICA	20.2447	5.9636	-71.43	-2.98
505	504 Shell-Thick	SLU-SISMICA	29.6588	4.0170	-94.61	-2.98
505	504 Shell-Thick	SLE-RARA	8.0726	0.6125	-59.83	12.43
505	504 Shell-Thick	SLE-RARA	2.4561	1.5433	-45.56	12.43
505	504 Shell-Thick	SLE-RARA	12.8678	3.7570	-45.56	-1.84
505	504 Shell-Thick	SLE-RARA	18.7568	2.5679	-59.83	-1.84
505	504 Shell-Thick	SLE-FREQ.	7.9202	0.5993	-58.71	12.18
505	504 Shell-Thick	SLE-FREQ.	2.4109	1.5117	-44.73	12.18
505	504 Shell-Thick	SLE-FREQ.	12.6303	3.6860	-44.73	-1.80
505	504 Shell-Thick	SLE-FREQ.	18.4058	2.5213	-58.71	-1.80
505	504 Shell-Thick	SLE-QP	7.4630	0.5595	-55.35	11.43
505	504 Shell-Thick	SLE-QP	2.2752	1.4168	-42.23	11.43
505	504 Shell-Thick	SLE-QP	11.9180	3.4729	-42.23	-1.69
505	504 Shell-Thick	SLE-QP	17.3531	2.3813	-55.35	-1.69
506	505 Shell-Thick	SLU-STATICA	14.4934	1.1292	62.44	-2.74
506	505 Shell-Thick	SLU-STATICA	8.1572	3.4009	35.34	-2.74
506	505 Shell-Thick	SLU-STATICA	-1.5062	2.5516	35.34	24.35
506	505 Shell-Thick	SLU-STATICA	4.5848	0.4981	62.44	24.35
506	505 Shell-Thick	SLU-SISMICA	17.3040	1.3228	74.50	-3.31
506	505 Shell-Thick	SLU-SISMICA	9.6968	4.0773	41.81	-3.31
506	505 Shell-Thick	SLU-SISMICA	-1.7815	3.1183	41.81	29.37
506	505 Shell-Thick	SLU-SISMICA	5.5003	0.6567	74.50	29.37
506	505 Shell-Thick	SLE-RARA	11.0244	0.8594	47.49	-2.08
506	505 Shell-Thick	SLE-RARA	6.2056	2.5866	26.89	-2.08
506	505 Shell-Thick	SLE-RARA	-1.1460	1.9394	26.89	18.52
506	505 Shell-Thick	SLE-RARA	3.4869	0.3776	47.49	18.52
506	505 Shell-Thick	SLE-FREQ.	10.8223	0.8445	46.62	-2.05
506	505 Shell-Thick	SLE-FREQ.	6.0932	2.5386	26.41	-2.05
506	505 Shell-Thick	SLE-FREQ.	-1.1255	1.9015	26.41	18.17
506	505 Shell-Thick	SLE-FREQ.	3.4221	0.3687	46.62	18.17
506	505 Shell-Thick	SLE-QP	10.2159	0.7997	44.01	-1.93
506	505 Shell-Thick	SLE-QP	5.7561	2.3946	24.97	-1.93
506	505 Shell-Thick	SLE-QP	-1.0642	1.7876	24.97	17.12
506	505 Shell-Thick	SLE-QP	3.2276	0.3417	44.01	17.12
507	506 Shell-Thick	SLU-STATICA	7.2827	-0.7778	44.84	21.53
507	506 Shell-Thick	SLU-STATICA	5.8625	5.8409	22.13	21.53
507	506 Shell-Thick	SLU-STATICA	-0.7928	7.1492	22.13	44.24
507	506 Shell-Thick	SLU-STATICA	0.5336	0.6018	44.84	44.24
507	506 Shell-Thick	SLU-SISMICA	8.8840	-0.8818	53.89	25.93
507	506 Shell-Thick	SLU-SISMICA	7.0993	7.1098	26.48	25.93
507	506 Shell-Thick	SLU-SISMICA	-0.8729	8.7770	26.48	53.34
507	506 Shell-Thick	SLU-SISMICA	0.7699	0.9000	53.89	53.34
507	506 Shell-Thick	SLE-RARA	5.5358	-0.5926	34.10	16.37

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507	506 Shell-Thick	SLE-RARA	4.4572	4.4401	16.83	16.37
507	506 Shell-Thick	SLE-RARA	-0.6045	5.4331	16.83	33.64
507	506 Shell-Thick	SLE-RARA	0.4032	0.4541	34.10	33.64
507	506 Shell-Thick	SLE-FREQ.	5.4280	-0.5833	33.46	16.07
507	506 Shell-Thick	SLE-FREQ.	4.3722	4.3542	16.52	16.07
507	506 Shell-Thick	SLE-FREQ.	-0.5959	5.3255	16.52	33.01
507	506 Shell-Thick	SLE-FREQ.	0.3914	0.4397	33.46	33.01
507	506 Shell-Thick	SLE-QP	5.1047	-0.5553	31.55	15.14
507	506 Shell-Thick	SLE-QP	4.1171	4.0964	15.59	15.14
507	506 Shell-Thick	SLE-QP	-0.5700	5.0026	15.59	31.11
507	506 Shell-Thick	SLE-QP	0.3559	0.3966	31.55	31.11
508	507 Shell-Thick	SLU-STATICA	2.7206	-0.4233	32.24	41.98
508	507 Shell-Thick	SLU-STATICA	4.5276	9.6757	15.15	41.98
508	507 Shell-Thick	SLU-STATICA	-0.2213	11.9384	15.15	59.07
508	507 Shell-Thick	SLU-STATICA	-2.0165	1.8106	32.24	59.07
508	507 Shell-Thick	SLU-SISMICA	3.4318	-0.3516	38.99	50.58
508	507 Shell-Thick	SLU-SISMICA	5.5342	11.8424	18.27	50.58
508	507 Shell-Thick	SLU-SISMICA	-0.1917	14.6420	18.27	71.30
508	507 Shell-Thick	SLU-SISMICA	-2.3052	2.4385	38.99	71.30
508	507 Shell-Thick	SLE-RARA	2.0657	-0.3251	24.51	31.92
508	507 Shell-Thick	SLE-RARA	3.4413	7.3539	11.52	31.92
508	507 Shell-Thick	SLE-RARA	-0.1698	9.0731	11.52	44.91
508	507 Shell-Thick	SLE-RARA	-1.5359	1.3716	24.51	44.91
508	507 Shell-Thick	SLE-FREQ.	2.0217	-0.3242	24.05	31.32
508	507 Shell-Thick	SLE-FREQ.	3.3739	7.2095	11.30	31.32
508	507 Shell-Thick	SLE-FREQ.	-0.1691	8.8939	11.30	44.06
508	507 Shell-Thick	SLE-FREQ.	-1.5111	1.3373	24.05	44.06
508	507 Shell-Thick	SLE-QP	1.8898	-0.3217	22.65	29.52
508	507 Shell-Thick	SLE-QP	3.1718	6.7760	10.65	29.52
508	507 Shell-Thick	SLE-QP	-0.1669	8.3561	10.65	41.52
508	507 Shell-Thick	SLE-QP	-1.4368	1.2343	22.65	41.52
509	508 Shell-Thick	SLU-STATICA	0.1306	1.1737	22.84	57.43
509	508 Shell-Thick	SLU-STATICA	4.1066	13.8703	10.40	57.43
509	508 Shell-Thick	SLU-STATICA	0.7435	16.5279	10.40	69.86
509	508 Shell-Thick	SLU-STATICA	-3.1597	3.7461	22.84	69.86
509	508 Shell-Thick	SLU-SISMICA	0.2792	1.6502	27.76	69.29
509	508 Shell-Thick	SLU-SISMICA	5.0398	16.9934	12.62	69.29
509	508 Shell-Thick	SLU-SISMICA	0.9645	20.2629	12.62	84.43
509	508 Shell-Thick	SLU-SISMICA	-3.7284	4.8370	27.76	84.43
509	508 Shell-Thick	SLE-RARA	0.0968	0.8878	17.36	43.67
509	508 Shell-Thick	SLE-RARA	3.1209	10.5416	7.91	43.67
509	508 Shell-Thick	SLE-RARA	0.5640	12.5612	7.91	53.12
509	508 Shell-Thick	SLE-RARA	-2.4043	2.8421	17.36	53.12
509	508 Shell-Thick	SLE-FREQ.	0.0909	0.8632	17.03	42.84
509	508 Shell-Thick	SLE-FREQ.	3.0591	10.3340	7.76	42.84
509	508 Shell-Thick	SLE-FREQ.	0.5511	12.3133	7.76	52.11
509	508 Shell-Thick	SLE-FREQ.	-2.3617	2.7779	17.03	52.11
509	508 Shell-Thick	SLE-QP	0.0733	0.7896	16.02	40.37
509	508 Shell-Thick	SLE-QP	2.8738	9.7110	7.30	40.37
509	508 Shell-Thick	SLE-QP	0.5124	11.5696	7.30	49.09
509	508 Shell-Thick	SLE-QP	-2.2339	2.5853	16.02	49.09
510	509 Shell-Thick	SLU-STATICA	-1.2862	3.3707	15.28	68.71
510	509 Shell-Thick	SLU-STATICA	3.9765	17.9247	6.81	68.71
510	509 Shell-Thick	SLU-STATICA	1.7221	20.2658	6.81	77.18
510	509 Shell-Thick	SLU-STATICA	-3.4551	5.6178	15.28	77.18
510	509 Shell-Thick	SLU-SISMICA	-1.4732	4.3662	18.65	83.01
510	509 Shell-Thick	SLU-SISMICA	4.8830	21.9685	8.30	83.01
510	509 Shell-Thick	SLU-SISMICA	2.1414	24.8457	8.30	93.36
510	509 Shell-Thick	SLU-SISMICA	-4.1262	7.1446	18.65	93.36
510	509 Shell-Thick	SLE-RARA	-0.9796	2.5570	11.62	52.24
510	509 Shell-Thick	SLE-RARA	3.0220	13.6229	5.18	52.24
510	509 Shell-Thick	SLE-RARA	1.3082	15.4020	5.18	58.68
510	509 Shell-Thick	SLE-RARA	-2.6281	4.2643	11.62	58.68
510	509 Shell-Thick	SLE-FREQ.	-0.9637	2.4987	11.39	51.25
510	509 Shell-Thick	SLE-FREQ.	2.9621	13.3543	5.08	51.25
510	509 Shell-Thick	SLE-FREQ.	1.2813	15.0980	5.08	57.57
510	509 Shell-Thick	SLE-FREQ.	-2.5799	4.1716	11.39	57.57
510	509 Shell-Thick	SLE-QP	-0.9160	2.3240	10.71	48.28
510	509 Shell-Thick	SLE-QP	2.7824	12.5484	4.78	48.28

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510	509 Shell-Thick	SLE-QP	1.2009	14.1861	4.78	54.22
510	509 Shell-Thick	SLE-QP	-2.4352	3.8935	10.71	54.22
511	510 Shell-Thick	SLU-STATICA	-2.1163	5.4122	8.80	76.46
511	510 Shell-Thick	SLU-STATICA	3.8971	21.1742	3.87	76.46
511	510 Shell-Thick	SLU-STATICA	2.5966	22.7567	3.87	81.39
511	510 Shell-Thick	SLU-STATICA	-3.3509	6.9239	8.80	81.39
511	510 Shell-Thick	SLU-SISMICA	-2.5141	6.8837	10.76	92.47
511	510 Shell-Thick	SLU-SISMICA	4.7846	25.9576	4.73	92.47
511	510 Shell-Thick	SLU-SISMICA	3.1993	27.9033	4.73	98.50
511	510 Shell-Thick	SLU-SISMICA	-4.0286	8.7525	10.76	98.50
511	510 Shell-Thick	SLE-RARA	-1.6100	4.1083	6.69	58.13
511	510 Shell-Thick	SLE-RARA	2.9617	16.0924	2.94	58.13
511	510 Shell-Thick	SLE-RARA	1.9731	17.2950	2.94	61.88
511	510 Shell-Thick	SLE-RARA	-2.5483	5.2568	6.69	61.88
511	510 Shell-Thick	SLE-FREQ.	-1.5809	4.0189	6.56	57.03
511	510 Shell-Thick	SLE-FREQ.	2.9030	15.7749	2.88	57.03
511	510 Shell-Thick	SLE-FREQ.	1.9336	16.9535	2.88	60.70
511	510 Shell-Thick	SLE-FREQ.	-2.5007	5.1443	6.56	60.70
511	510 Shell-Thick	SLE-QP	-1.4936	3.7509	6.16	53.71
511	510 Shell-Thick	SLE-QP	2.7270	14.8222	2.71	53.71
511	510 Shell-Thick	SLE-QP	1.8152	15.9292	2.71	57.16
511	510 Shell-Thick	SLE-QP	-2.3577	4.8067	6.16	57.16
512	511 Shell-Thick	SLU-STATICA	-2.6520	6.8337	2.87	81.04
512	511 Shell-Thick	SLU-STATICA	3.6816	23.2036	1.25	81.04
512	511 Shell-Thick	SLU-STATICA	3.2564	23.7568	1.25	82.65
512	511 Shell-Thick	SLU-STATICA	-3.0533	7.3615	2.87	82.65
512	511 Shell-Thick	SLU-SISMICA	-3.1857	8.6372	3.52	98.06
512	511 Shell-Thick	SLU-SISMICA	4.5192	28.4512	1.54	98.06
512	511 Shell-Thick	SLU-SISMICA	4.0004	29.1312	1.54	100.05
512	511 Shell-Thick	SLU-SISMICA	-3.6787	9.2894	3.52	100.05
512	511 Shell-Thick	SLE-RARA	-2.0168	5.1884	2.18	61.61
512	511 Shell-Thick	SLE-RARA	2.7979	17.6347	0.95	61.61
512	511 Shell-Thick	SLE-RARA	2.4747	18.0550	0.95	62.84
512	511 Shell-Thick	SLE-RARA	-2.3218	5.5894	2.18	62.84
512	511 Shell-Thick	SLE-FREQ.	-1.9792	5.0774	2.14	60.44
512	511 Shell-Thick	SLE-FREQ.	2.7425	17.2865	0.93	60.44
512	511 Shell-Thick	SLE-FREQ.	2.4256	17.6985	0.93	61.65
512	511 Shell-Thick	SLE-FREQ.	-2.2782	5.4703	2.14	61.65
512	511 Shell-Thick	SLE-QP	-1.8663	4.7444	2.01	56.92
512	511 Shell-Thick	SLE-QP	2.5762	16.2420	0.88	56.92
512	511 Shell-Thick	SLE-QP	2.2783	16.6290	0.88	58.05
512	511 Shell-Thick	SLE-QP	-2.1471	5.1130	2.01	58.05
513	512 Shell-Thick	SLU-STATICA	-3.0533	7.3615	-2.87	82.65
513	512 Shell-Thick	SLU-STATICA	3.2564	23.7568	-1.25	82.65
513	512 Shell-Thick	SLU-STATICA	3.6816	23.2036	-1.25	81.04
513	512 Shell-Thick	SLU-STATICA	-2.6520	6.8337	-2.87	81.04
513	512 Shell-Thick	SLU-SISMICA	-3.6787	9.2894	-3.52	100.05
513	512 Shell-Thick	SLU-SISMICA	4.0004	29.1312	-1.54	100.05
513	512 Shell-Thick	SLU-SISMICA	4.5192	28.4512	-1.54	98.06
513	512 Shell-Thick	SLU-SISMICA	-3.1857	8.6372	-3.52	98.06
513	512 Shell-Thick	SLE-RARA	-2.3218	5.5894	-2.18	62.84
513	512 Shell-Thick	SLE-RARA	2.4747	18.0550	-0.95	62.84
513	512 Shell-Thick	SLE-RARA	2.7979	17.6347	-0.95	61.61
513	512 Shell-Thick	SLE-RARA	-2.0168	5.1884	-2.18	61.61
513	512 Shell-Thick	SLE-FREQ.	-2.2782	5.4703	-2.14	61.65
513	512 Shell-Thick	SLE-FREQ.	2.4256	17.6985	-0.93	61.65
513	512 Shell-Thick	SLE-FREQ.	2.7425	17.2865	-0.93	60.44
513	512 Shell-Thick	SLE-FREQ.	-1.9792	5.0774	-2.14	60.44
513	512 Shell-Thick	SLE-QP	-2.1471	5.1130	-2.01	58.05
513	512 Shell-Thick	SLE-QP	2.2783	16.6290	-0.88	58.05
513	512 Shell-Thick	SLE-QP	2.5762	16.2420	-0.88	56.92
513	512 Shell-Thick	SLE-QP	-1.8663	4.7444	-2.01	56.92
514	513 Shell-Thick	SLU-STATICA	-3.3509	6.9239	-8.80	81.39
514	513 Shell-Thick	SLU-STATICA	2.5966	22.7567	-3.87	81.39
514	513 Shell-Thick	SLU-STATICA	3.8971	21.1742	-3.87	76.46
514	513 Shell-Thick	SLU-STATICA	-2.1163	5.4122	-8.80	76.46
514	513 Shell-Thick	SLU-SISMICA	-4.0286	8.7525	-10.76	98.50
514	513 Shell-Thick	SLU-SISMICA	3.1993	27.9033	-4.73	98.50
514	513 Shell-Thick	SLU-SISMICA	4.7846	25.9576	-4.73	92.47

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514	513 Shell-Thick	SLU-SISMICA	-2.5141	6.8837	-10.76	92.47
514	513 Shell-Thick	SLE-RARA	-2.5483	5.2568	-6.69	61.88
514	513 Shell-Thick	SLE-RARA	1.9731	17.2950	-2.94	61.88
514	513 Shell-Thick	SLE-RARA	2.9617	16.0924	-2.94	58.13
514	513 Shell-Thick	SLE-RARA	-1.6100	4.1083	-6.69	58.13
514	513 Shell-Thick	SLE-FREQ.	-2.5007	5.1443	-6.56	60.70
514	513 Shell-Thick	SLE-FREQ.	1.9336	16.9535	-2.88	60.70
514	513 Shell-Thick	SLE-FREQ.	2.9030	15.7749	-2.88	57.03
514	513 Shell-Thick	SLE-FREQ.	-1.5809	4.0189	-6.56	57.03
514	513 Shell-Thick	SLE-QP	-2.3577	4.8067	-6.16	57.16
514	513 Shell-Thick	SLE-QP	1.8152	15.9292	-2.71	57.16
514	513 Shell-Thick	SLE-QP	2.7270	14.8222	-2.71	53.71
514	513 Shell-Thick	SLE-QP	-1.4936	3.7509	-6.16	53.71
515	514 Shell-Thick	SLU-STATICA	-3.4551	5.6178	-15.28	77.18
515	514 Shell-Thick	SLU-STATICA	1.7221	20.2658	-6.81	77.18
515	514 Shell-Thick	SLU-STATICA	3.9765	17.9247	-6.81	68.71
515	514 Shell-Thick	SLU-STATICA	-1.2862	3.3707	-15.28	68.71
515	514 Shell-Thick	SLU-SISMICA	-4.1262	7.1446	-18.65	93.36
515	514 Shell-Thick	SLU-SISMICA	2.1414	24.8457	-8.30	93.36
515	514 Shell-Thick	SLU-SISMICA	4.8830	21.9685	-8.30	83.01
515	514 Shell-Thick	SLU-SISMICA	-1.4732	4.3662	-18.65	83.01
515	514 Shell-Thick	SLE-RARA	-2.6281	4.2643	-11.62	58.68
515	514 Shell-Thick	SLE-RARA	1.3082	15.4020	-5.18	58.68
515	514 Shell-Thick	SLE-RARA	3.0220	13.6229	-5.18	52.24
515	514 Shell-Thick	SLE-RARA	-0.9796	2.5570	-11.62	52.24
515	514 Shell-Thick	SLE-FREQ.	-2.5799	4.1716	-11.39	57.57
515	514 Shell-Thick	SLE-FREQ.	1.2813	15.0980	-5.08	57.57
515	514 Shell-Thick	SLE-FREQ.	2.9621	13.3543	-5.08	51.25
515	514 Shell-Thick	SLE-FREQ.	-0.9637	2.4987	-11.39	51.25
515	514 Shell-Thick	SLE-QP	-2.4352	3.8935	-10.71	54.22
515	514 Shell-Thick	SLE-QP	1.2009	14.1861	-4.78	54.22
515	514 Shell-Thick	SLE-QP	2.7824	12.5484	-4.78	48.28
515	514 Shell-Thick	SLE-QP	-0.9160	2.3240	-10.71	48.28
516	515 Shell-Thick	SLU-STATICA	-3.1597	3.7461	-22.84	69.86
516	515 Shell-Thick	SLU-STATICA	0.7435	16.5279	-10.40	69.86
516	515 Shell-Thick	SLU-STATICA	4.1066	13.8703	-10.40	57.43
516	515 Shell-Thick	SLU-STATICA	0.1306	1.1737	-22.84	57.43
516	515 Shell-Thick	SLU-SISMICA	-3.7284	4.8370	-27.76	84.43
516	515 Shell-Thick	SLU-SISMICA	0.9645	20.2629	-12.62	84.43
516	515 Shell-Thick	SLU-SISMICA	5.0398	16.9934	-12.62	69.29
516	515 Shell-Thick	SLU-SISMICA	0.2792	1.6502	-27.76	69.29
516	515 Shell-Thick	SLE-RARA	-2.4043	2.8421	-17.36	53.12
516	515 Shell-Thick	SLE-RARA	0.5640	12.5612	-7.91	53.12
516	515 Shell-Thick	SLE-RARA	3.1209	10.5416	-7.91	43.67
516	515 Shell-Thick	SLE-RARA	0.0968	0.8878	-17.36	43.67
516	515 Shell-Thick	SLE-FREQ.	-2.3617	2.7779	-17.03	52.11
516	515 Shell-Thick	SLE-FREQ.	0.5511	12.3133	-7.76	52.11
516	515 Shell-Thick	SLE-FREQ.	3.0591	10.3340	-7.76	42.84
516	515 Shell-Thick	SLE-FREQ.	0.0910	0.8632	-17.03	42.84
516	515 Shell-Thick	SLE-QP	-2.2339	2.5853	-16.02	49.09
516	515 Shell-Thick	SLE-QP	0.5124	11.5696	-7.30	49.09
516	515 Shell-Thick	SLE-QP	2.8738	9.7110	-7.30	40.37
516	515 Shell-Thick	SLE-QP	0.0733	0.7896	-16.02	40.37
517	516 Shell-Thick	SLU-STATICA	-2.0165	1.8106	-32.24	59.07
517	516 Shell-Thick	SLU-STATICA	-0.2213	11.9384	-15.15	59.07
517	516 Shell-Thick	SLU-STATICA	4.5276	9.6757	-15.15	41.98
517	516 Shell-Thick	SLU-STATICA	2.7206	-0.4233	-32.24	41.98
517	516 Shell-Thick	SLU-SISMICA	-2.3052	2.4385	-38.99	71.30
517	516 Shell-Thick	SLU-SISMICA	-0.1917	14.6420	-18.27	71.30
517	516 Shell-Thick	SLU-SISMICA	5.5342	11.8424	-18.27	50.58
517	516 Shell-Thick	SLU-SISMICA	3.4318	-0.3516	-38.99	50.58
517	516 Shell-Thick	SLE-RARA	-1.5359	1.3716	-24.51	44.91
517	516 Shell-Thick	SLE-RARA	-0.1698	9.0731	-11.52	44.91
517	516 Shell-Thick	SLE-RARA	3.4413	7.3539	-11.52	31.92
517	516 Shell-Thick	SLE-RARA	2.0657	-0.3251	-24.51	31.92
517	516 Shell-Thick	SLE-FREQ.	-1.5111	1.3373	-24.05	44.06
517	516 Shell-Thick	SLE-FREQ.	-0.1691	8.8939	-11.30	44.06
517	516 Shell-Thick	SLE-FREQ.	3.3739	7.2095	-11.30	31.32
517	516 Shell-Thick	SLE-FREQ.	2.0217	-0.3242	-24.05	31.32



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517	516 Shell-Thick	SLE-QP	-1.4368	1.2343	-22.65	41.52
517	516 Shell-Thick	SLE-QP	-0.1669	8.3561	-10.65	41.52
517	516 Shell-Thick	SLE-QP	3.1718	6.7760	-10.65	29.52
517	516 Shell-Thick	SLE-QP	1.8898	-0.3217	-22.65	29.52
518	517 Shell-Thick	SLU-STATICA	0.5336	0.6018	-44.84	44.24
518	517 Shell-Thick	SLU-STATICA	-0.7928	7.1492	-22.13	44.24
518	517 Shell-Thick	SLU-STATICA	5.8625	5.8409	-22.13	21.53
518	517 Shell-Thick	SLU-STATICA	7.2827	-0.7778	-44.84	21.53
518	517 Shell-Thick	SLU-SISMICA	0.7699	0.9000	-53.89	53.34
518	517 Shell-Thick	SLU-SISMICA	-0.8729	8.7770	-26.48	53.34
518	517 Shell-Thick	SLU-SISMICA	7.0993	7.1098	-26.48	25.93
518	517 Shell-Thick	SLU-SISMICA	8.8840	-0.8818	-53.89	25.93
518	517 Shell-Thick	SLE-RARA	0.4032	0.4541	-34.10	33.64
518	517 Shell-Thick	SLE-RARA	-0.6045	5.4331	-16.83	33.64
518	517 Shell-Thick	SLE-RARA	4.4572	4.4401	-16.83	16.37
518	517 Shell-Thick	SLE-RARA	5.5358	-0.5926	-34.10	16.37
518	517 Shell-Thick	SLE-FREQ.	0.3914	0.4397	-33.46	33.01
518	517 Shell-Thick	SLE-FREQ.	-0.5959	5.3255	-16.52	33.01
518	517 Shell-Thick	SLE-FREQ.	4.3722	4.3542	-16.52	16.07
518	517 Shell-Thick	SLE-FREQ.	5.4280	-0.5833	-33.46	16.07
518	517 Shell-Thick	SLE-QP	0.3559	0.3966	-31.55	31.11
518	517 Shell-Thick	SLE-QP	-0.5700	5.0026	-15.59	31.11
518	517 Shell-Thick	SLE-QP	4.1171	4.0964	-15.59	15.14
518	517 Shell-Thick	SLE-QP	5.1047	-0.5553	-31.55	15.14
519	518 Shell-Thick	SLU-STATICA	4.5848	0.4981	-62.44	24.35
519	518 Shell-Thick	SLU-STATICA	-1.5062	2.5516	-35.34	24.35
519	518 Shell-Thick	SLU-STATICA	8.1572	3.4009	-35.34	-2.74
519	518 Shell-Thick	SLU-STATICA	14.4934	1.1292	-62.44	-2.74
519	518 Shell-Thick	SLU-SISMICA	5.5003	0.6567	-74.50	29.37
519	518 Shell-Thick	SLU-SISMICA	-1.7815	3.1183	-41.81	29.37
519	518 Shell-Thick	SLU-SISMICA	9.6968	4.0773	-41.81	-3.31
519	518 Shell-Thick	SLU-SISMICA	17.3040	1.3228	-74.50	-3.31
519	518 Shell-Thick	SLE-RARA	3.4869	0.3776	-47.49	18.52
519	518 Shell-Thick	SLE-RARA	-1.1460	1.9394	-26.89	18.52
519	518 Shell-Thick	SLE-RARA	6.2056	2.5866	-26.89	-2.08
519	518 Shell-Thick	SLE-RARA	11.0244	0.8594	-47.49	-2.08
519	518 Shell-Thick	SLE-FREQ.	3.4221	0.3687	-46.62	18.17
519	518 Shell-Thick	SLE-FREQ.	-1.1255	1.9015	-26.41	18.17
519	518 Shell-Thick	SLE-FREQ.	6.0932	2.5386	-26.41	-2.05
519	518 Shell-Thick	SLE-FREQ.	10.8223	0.8445	-46.62	-2.05
519	518 Shell-Thick	SLE-QP	3.2276	0.3417	-44.01	17.12
519	518 Shell-Thick	SLE-QP	-1.0642	1.7876	-24.97	17.12
519	518 Shell-Thick	SLE-QP	5.7561	2.3946	-24.97	-1.93
519	518 Shell-Thick	SLE-QP	10.2159	0.7997	-44.01	-1.93
520	519 Shell-Thick	SLU-STATICA	4.5594	-1.1236	39.49	-3.15
520	519 Shell-Thick	SLU-STATICA	2.5045	2.5363	-3.08	-3.15
520	519 Shell-Thick	SLU-STATICA	-1.0885	4.5436	-3.08	39.42
520	519 Shell-Thick	SLU-STATICA	0.8650	0.9428	39.49	39.42
520	519 Shell-Thick	SLU-SISMICA	5.4138	-1.3342	46.73	-3.74
520	519 Shell-Thick	SLU-SISMICA	2.9590	3.0088	-3.63	-3.74
520	519 Shell-Thick	SLU-SISMICA	-1.2794	5.3892	-3.63	46.63
520	519 Shell-Thick	SLU-SISMICA	1.0248	1.1464	46.73	46.63
520	519 Shell-Thick	SLE-RARA	3.4687	-0.8548	30.04	-2.39
520	519 Shell-Thick	SLE-RARA	1.9056	1.9296	-2.34	-2.39
520	519 Shell-Thick	SLE-RARA	-0.8284	3.4568	-2.34	29.99
520	519 Shell-Thick	SLE-RARA	0.6581	0.7167	30.04	29.99
520	519 Shell-Thick	SLE-FREQ.	3.4061	-0.8393	29.51	-2.35
520	519 Shell-Thick	SLE-FREQ.	1.8717	1.8949	-2.30	-2.35
520	519 Shell-Thick	SLE-FREQ.	-0.8138	3.3946	-2.30	29.46
520	519 Shell-Thick	SLE-FREQ.	0.6463	0.7029	29.51	29.46
520	519 Shell-Thick	SLE-QP	3.2183	-0.7930	27.89	-2.22
520	519 Shell-Thick	SLE-QP	1.7700	1.7907	-2.18	-2.22
520	519 Shell-Thick	SLE-QP	-0.7703	3.2080	-2.18	27.85
520	519 Shell-Thick	SLE-QP	0.6109	0.6614	27.89	27.85
521	520 Shell-Thick	SLU-STATICA	2.6482	-1.5000	24.82	35.10
521	520 Shell-Thick	SLU-STATICA	3.3947	8.2397	-2.70	35.10
521	520 Shell-Thick	SLU-STATICA	1.1541	14.5040	-2.70	62.62
521	520 Shell-Thick	SLU-STATICA	0.4603	4.6841	24.82	62.62
521	520 Shell-Thick	SLU-SISMICA	3.2309	-1.7594	29.71	41.46

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521	520	Shell-Thick	SLU-SISMICA	4.0426	9.8006	-3.22	41.46
521	520	Shell-Thick	SLU-SISMICA	1.3740	17.2823	-3.22	74.38
521	520	Shell-Thick	SLU-SISMICA	0.5972	5.6546	29.71	74.38
521	520	Shell-Thick	SLE-RARA	2.0129	-1.1416	18.88	26.71
521	520	Shell-Thick	SLE-RARA	2.5824	6.2683	-2.05	26.71
521	520	Shell-Thick	SLE-RARA	0.8779	11.0332	-2.05	47.64
521	520	Shell-Thick	SLE-RARA	0.3492	3.5617	18.88	47.64
521	520	Shell-Thick	SLE-FREQ.	1.9737	-1.1217	18.53	26.23
521	520	Shell-Thick	SLE-FREQ.	2.5354	6.1546	-2.02	26.23
521	520	Shell-Thick	SLE-FREQ.	0.8619	10.8320	-2.02	46.78
521	520	Shell-Thick	SLE-FREQ.	0.3412	3.4944	18.53	46.78
521	520	Shell-Thick	SLE-QP	1.8561	-1.0620	17.49	24.81
521	520	Shell-Thick	SLE-QP	2.3944	5.8134	-1.90	24.81
521	520	Shell-Thick	SLE-QP	0.8140	10.2286	-1.90	44.20
521	520	Shell-Thick	SLE-QP	0.3173	3.2923	17.49	44.20
522	521	Shell-Thick	SLU-STATICA	2.0684	3.2213	16.97	59.88
522	521	Shell-Thick	SLU-STATICA	4.9470	17.0471	-2.38	59.88
522	521	Shell-Thick	SLU-STATICA	3.4014	24.6948	-2.38	79.22
522	521	Shell-Thick	SLU-STATICA	0.6949	10.6775	16.97	79.22
522	521	Shell-Thick	SLU-SISMICA	2.5359	3.8885	20.46	71.07
522	521	Shell-Thick	SLU-SISMICA	5.9166	20.3447	-2.86	71.07
522	521	Shell-Thick	SLU-SISMICA	4.0640	29.5579	-2.86	94.39
522	521	Shell-Thick	SLU-SISMICA	0.8664	12.8953	20.46	94.39
522	521	Shell-Thick	SLE-RARA	1.5720	2.4494	12.90	45.55
522	521	Shell-Thick	SLE-RARA	3.7627	12.9670	-1.81	45.55
522	521	Shell-Thick	SLE-RARA	2.5872	18.7825	-1.81	60.26
522	521	Shell-Thick	SLE-RARA	0.5278	8.1189	12.90	60.26
522	521	Shell-Thick	SLE-FREQ.	1.5409	2.4031	12.66	44.73
522	521	Shell-Thick	SLE-FREQ.	3.6934	12.7295	-1.78	44.73
522	521	Shell-Thick	SLE-FREQ.	2.5396	18.4357	-1.78	59.17
522	521	Shell-Thick	SLE-FREQ.	0.5169	7.9651	12.66	59.17
522	521	Shell-Thick	SLE-QP	1.4479	2.2641	11.93	42.27
522	521	Shell-Thick	SLE-QP	3.4854	12.0171	-1.68	42.27
522	521	Shell-Thick	SLE-QP	2.3970	17.3952	-1.68	55.87
522	521	Shell-Thick	SLE-QP	0.4842	7.5039	11.93	55.87
523	522	Shell-Thick	SLU-STATICA	2.4716	9.8122	11.69	77.36
523	522	Shell-Thick	SLU-STATICA	6.5626	26.5477	-1.94	77.36
523	522	Shell-Thick	SLU-STATICA	5.4809	33.6701	-1.94	90.99
523	522	Shell-Thick	SLU-STATICA	1.6029	16.7081	11.69	90.99
523	522	Shell-Thick	SLU-SISMICA	3.0143	11.8402	14.17	92.11
523	522	Shell-Thick	SLU-SISMICA	7.8751	31.8049	-2.35	92.11
523	522	Shell-Thick	SLU-SISMICA	6.5727	40.4343	-2.35	108.64
523	522	Shell-Thick	SLU-SISMICA	1.9498	20.2153	14.17	108.64
523	522	Shell-Thick	SLE-RARA	1.8788	7.4611	8.89	58.85
523	522	Shell-Thick	SLE-RARA	4.9911	20.1913	-1.48	58.85
523	522	Shell-Thick	SLE-RARA	4.1685	25.6063	-1.48	69.21
523	522	Shell-Thick	SLE-RARA	1.2185	12.7036	8.89	69.21
523	522	Shell-Thick	SLE-FREQ.	1.8422	7.3202	8.72	57.78
523	522	Shell-Thick	SLE-FREQ.	4.8982	19.8174	-1.45	57.78
523	522	Shell-Thick	SLE-FREQ.	4.0911	25.1291	-1.45	67.94
523	522	Shell-Thick	SLE-FREQ.	1.1949	12.4618	8.72	67.94
523	522	Shell-Thick	SLE-QP	1.7326	6.8973	8.21	54.56
523	522	Shell-Thick	SLE-QP	4.6197	18.6960	-1.37	54.56
523	522	Shell-Thick	SLE-QP	3.8589	23.6972	-1.37	64.14
523	522	Shell-Thick	SLE-QP	1.1243	11.7364	8.21	64.14
524	523	Shell-Thick	SLU-STATICA	3.0725	16.1912	7.69	89.76
524	523	Shell-Thick	SLU-STATICA	7.9161	34.9679	-1.43	89.76
524	523	Shell-Thick	SLU-STATICA	7.1921	40.5733	-1.43	98.88
524	523	Shell-Thick	SLU-STATICA	2.5445	21.5914	7.69	98.88
524	523	Shell-Thick	SLU-SISMICA	3.7306	19.5795	9.36	107.13
524	523	Shell-Thick	SLU-SISMICA	9.5223	42.0161	-1.74	107.13
524	523	Shell-Thick	SLU-SISMICA	8.6478	48.8345	-1.74	118.22
524	523	Shell-Thick	SLU-SISMICA	3.0795	26.1635	9.36	118.22
524	523	Shell-Thick	SLE-RARA	2.3358	12.3108	5.84	68.27
524	523	Shell-Thick	SLE-RARA	6.0199	26.5929	-1.09	68.27
524	523	Shell-Thick	SLE-RARA	5.4695	30.8541	-1.09	75.21
524	523	Shell-Thick	SLE-RARA	1.9346	16.4157	5.84	75.21
524	523	Shell-Thick	SLE-FREQ.	2.2909	12.0768	5.73	67.02
524	523	Shell-Thick	SLE-FREQ.	5.9072	26.0965	-1.07	67.02



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524	523	Shell-Thick	SLE-FREQ.	5.3671	30.2753	-1.07	73.82
524	523	Shell-Thick	SLE-FREQ.	1.8978	16.1020	5.73	73.82
524	523	Shell-Thick	SLE-QP	2.1562	11.3749	5.39	63.27
524	523	Shell-Thick	SLE-QP	5.5690	24.6071	-1.01	63.27
524	523	Shell-Thick	SLE-QP	5.0602	28.5391	-1.01	69.67
524	523	Shell-Thick	SLE-QP	1.7872	15.1607	5.39	69.67
525	524	Shell-Thick	SLU-STATICA	3.5966	21.3038	4.38	98.12
525	524	Shell-Thick	SLU-STATICA	8.8432	41.4016	-0.88	98.12
525	524	Shell-Thick	SLU-STATICA	8.4254	44.9413	-0.88	103.38
525	524	Shell-Thick	SLU-STATICA	3.3126	24.7043	4.38	103.38
525	524	Shell-Thick	SLU-SISMICA	4.3588	25.8073	5.35	117.30
525	524	Shell-Thick	SLU-SISMICA	10.6540	49.8478	-1.06	117.30
525	524	Shell-Thick	SLU-SISMICA	10.1483	54.1641	-1.06	123.71
525	524	Shell-Thick	SLU-SISMICA	4.0070	29.9634	5.35	123.71
525	524	Shell-Thick	SLE-RARA	2.7344	16.1971	3.33	74.64
525	524	Shell-Thick	SLE-RARA	6.7246	31.4837	-0.67	74.64
525	524	Shell-Thick	SLE-RARA	6.4069	34.1742	-0.67	78.63
525	524	Shell-Thick	SLE-RARA	2.5187	18.7818	3.33	78.63
525	524	Shell-Thick	SLE-FREQ.	2.6822	15.8878	3.27	73.26
525	524	Shell-Thick	SLE-FREQ.	6.5982	30.8926	-0.65	73.26
525	524	Shell-Thick	SLE-FREQ.	6.2865	33.5308	-0.65	77.18
525	524	Shell-Thick	SLE-FREQ.	2.4708	18.4219	3.27	77.18
525	524	Shell-Thick	SLE-QP	2.5253	14.9598	3.07	69.14
525	524	Shell-Thick	SLE-QP	6.2187	29.1192	-0.61	69.14
525	524	Shell-Thick	SLE-QP	5.9252	31.6005	-0.61	72.83
525	524	Shell-Thick	SLE-QP	2.3270	17.3421	3.07	72.83
526	525	Shell-Thick	SLU-STATICA	3.8483	24.5750	1.42	103.02
526	525	Shell-Thick	SLU-STATICA	9.2582	45.3443	-0.29	103.02
526	525	Shell-Thick	SLU-STATICA	9.1211	46.5521	-0.29	104.74
526	525	Shell-Thick	SLU-STATICA	3.7592	25.7331	1.42	104.74
526	525	Shell-Thick	SLU-SISMICA	4.6591	29.8026	1.74	123.27
526	525	Shell-Thick	SLU-SISMICA	11.1621	54.6581	-0.36	123.27
526	525	Shell-Thick	SLU-SISMICA	10.9961	56.1328	-0.36	125.37
526	525	Shell-Thick	SLU-SISMICA	4.5485	31.2198	1.74	125.37
526	525	Shell-Thick	SLE-RARA	2.9259	18.6836	1.08	78.36
526	525	Shell-Thick	SLE-RARA	7.0400	34.4806	-0.22	78.36
526	525	Shell-Thick	SLE-RARA	6.9358	35.3986	-0.22	79.67
526	525	Shell-Thick	SLE-RARA	2.8582	19.5638	1.08	79.67
526	525	Shell-Thick	SLE-FREQ.	2.8701	18.3257	1.06	76.91
526	525	Shell-Thick	SLE-FREQ.	6.9073	33.8311	-0.22	76.91
526	525	Shell-Thick	SLE-FREQ.	6.8051	34.7312	-0.22	78.20
526	525	Shell-Thick	SLE-FREQ.	2.8038	19.1886	1.06	78.20
526	525	Shell-Thick	SLE-QP	2.7027	17.2520	1.00	72.58
526	525	Shell-Thick	SLE-QP	6.5093	31.8826	-0.21	72.58
526	525	Shell-Thick	SLE-QP	6.4130	32.7290	-0.21	73.78
526	525	Shell-Thick	SLE-QP	2.6406	18.0631	1.00	73.78
527	526	Shell-Thick	SLU-STATICA	3.7592	25.7331	-1.42	104.74
527	526	Shell-Thick	SLU-STATICA	9.1211	46.5521	0.29	104.74
527	526	Shell-Thick	SLU-STATICA	9.2582	45.3443	0.29	103.02
527	526	Shell-Thick	SLU-STATICA	3.8483	24.5750	-1.42	103.02
527	526	Shell-Thick	SLU-SISMICA	4.5485	31.2198	-1.74	125.37
527	526	Shell-Thick	SLU-SISMICA	10.9961	56.1328	0.36	125.37
527	526	Shell-Thick	SLU-SISMICA	11.1621	54.6581	0.36	123.27
527	526	Shell-Thick	SLU-SISMICA	4.6591	29.8026	-1.74	123.27
527	526	Shell-Thick	SLE-RARA	2.8582	19.5638	-1.08	79.67
527	526	Shell-Thick	SLE-RARA	6.9358	35.3986	0.22	79.67
527	526	Shell-Thick	SLE-RARA	7.0400	34.4806	0.22	78.36
527	526	Shell-Thick	SLE-RARA	2.9259	18.6836	-1.08	78.36
527	526	Shell-Thick	SLE-FREQ.	2.8038	19.1886	-1.06	78.20
527	526	Shell-Thick	SLE-FREQ.	6.8051	34.7312	0.22	78.20
527	526	Shell-Thick	SLE-FREQ.	6.9073	33.8311	0.22	76.91
527	526	Shell-Thick	SLE-FREQ.	2.8701	18.3257	-1.06	76.91
527	526	Shell-Thick	SLE-QP	2.6406	18.0631	-1.00	73.78
527	526	Shell-Thick	SLE-QP	6.4130	32.7290	0.21	73.78
527	526	Shell-Thick	SLE-QP	6.5093	31.8826	0.21	72.58
527	526	Shell-Thick	SLE-QP	2.7027	17.2520	-1.00	72.58
528	527	Shell-Thick	SLU-STATICA	3.3126	24.7043	-4.38	103.38
528	527	Shell-Thick	SLU-STATICA	8.4254	44.9413	0.88	103.38
528	527	Shell-Thick	SLU-STATICA	8.8432	41.4016	0.88	98.12

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528	527	Shell-Thick	SLU-STATICA	3.5966	21.3038	-4.38	98.12
528	527	Shell-Thick	SLU-SISMICA	4.0070	29.9634	-5.35	123.71
528	527	Shell-Thick	SLU-SISMICA	10.1483	54.1641	1.06	123.71
528	527	Shell-Thick	SLU-SISMICA	10.6540	49.8478	1.06	117.30
528	527	Shell-Thick	SLU-SISMICA	4.3588	25.8073	-5.35	117.30
528	527	Shell-Thick	SLE-RARA	2.5187	18.7818	-3.33	78.63
528	527	Shell-Thick	SLE-RARA	6.4069	34.1742	0.67	78.63
528	527	Shell-Thick	SLE-RARA	6.7246	31.4837	0.67	74.64
528	527	Shell-Thick	SLE-RARA	2.7344	16.1971	-3.33	74.64
528	527	Shell-Thick	SLE-FREQ.	2.4708	18.4219	-3.27	77.18
528	527	Shell-Thick	SLE-FREQ.	6.2865	33.5308	0.65	77.18
528	527	Shell-Thick	SLE-FREQ.	6.5982	30.8926	0.65	73.26
528	527	Shell-Thick	SLE-FREQ.	2.6822	15.8878	-3.27	73.26
528	527	Shell-Thick	SLE-QP	2.3270	17.3421	-3.07	72.83
528	527	Shell-Thick	SLE-QP	5.9252	31.6005	0.61	72.83
528	527	Shell-Thick	SLE-QP	6.2187	29.1192	0.61	69.14
528	527	Shell-Thick	SLE-QP	2.5253	14.9598	-3.07	69.14
529	528	Shell-Thick	SLU-STATICA	2.5445	21.5914	-7.69	98.88
529	528	Shell-Thick	SLU-STATICA	7.1921	40.5733	1.43	98.88
529	528	Shell-Thick	SLU-STATICA	7.9161	34.9679	1.43	89.76
529	528	Shell-Thick	SLU-STATICA	3.0725	16.1912	-7.69	89.76
529	528	Shell-Thick	SLU-SISMICA	3.0795	26.1635	-9.36	118.22
529	528	Shell-Thick	SLU-SISMICA	8.6478	48.8345	1.74	118.22
529	528	Shell-Thick	SLU-SISMICA	9.5223	42.0161	1.74	107.13
529	528	Shell-Thick	SLU-SISMICA	3.7306	19.5795	-9.36	107.13
529	528	Shell-Thick	SLE-RARA	1.9346	16.4157	-5.84	75.21
529	528	Shell-Thick	SLE-RARA	5.4695	30.8541	1.09	75.21
529	528	Shell-Thick	SLE-RARA	6.0199	26.5929	1.09	68.27
529	528	Shell-Thick	SLE-RARA	2.3358	12.3108	-5.84	68.27
529	528	Shell-Thick	SLE-FREQ.	1.8978	16.1020	-5.73	73.82
529	528	Shell-Thick	SLE-FREQ.	5.3671	30.2753	1.07	73.82
529	528	Shell-Thick	SLE-FREQ.	5.9072	26.0965	1.07	67.02
529	528	Shell-Thick	SLE-FREQ.	2.2909	12.0768	-5.73	67.02
529	528	Shell-Thick	SLE-QP	1.7872	15.1607	-5.39	69.67
529	528	Shell-Thick	SLE-QP	5.0602	28.5391	1.01	69.67
529	528	Shell-Thick	SLE-QP	5.5690	24.6071	1.01	63.27
529	528	Shell-Thick	SLE-QP	2.1562	11.3749	-5.39	63.27
530	529	Shell-Thick	SLU-STATICA	1.6029	16.7081	-11.69	90.99
530	529	Shell-Thick	SLU-STATICA	5.4809	33.6701	1.94	90.99
530	529	Shell-Thick	SLU-STATICA	6.5626	26.5477	1.94	77.36
530	529	Shell-Thick	SLU-STATICA	2.4716	9.8122	-11.69	77.36
530	529	Shell-Thick	SLU-SISMICA	1.9498	20.2153	-14.17	108.64
530	529	Shell-Thick	SLU-SISMICA	6.5727	40.4343	2.35	108.64
530	529	Shell-Thick	SLU-SISMICA	7.8751	31.8049	2.35	92.11
530	529	Shell-Thick	SLU-SISMICA	3.0143	11.8402	-14.17	92.11
530	529	Shell-Thick	SLE-RARA	1.2185	12.7036	-8.89	69.21
530	529	Shell-Thick	SLE-RARA	4.1685	25.6063	1.48	69.21
530	529	Shell-Thick	SLE-RARA	4.9911	20.1913	1.48	58.85
530	529	Shell-Thick	SLE-RARA	1.8788	7.4611	-8.89	58.85
530	529	Shell-Thick	SLE-FREQ.	1.1949	12.4618	-8.72	67.94
530	529	Shell-Thick	SLE-FREQ.	4.0911	25.1291	1.45	67.94
530	529	Shell-Thick	SLE-FREQ.	4.8982	19.8174	1.45	57.78
530	529	Shell-Thick	SLE-FREQ.	1.8422	7.3202	-8.72	57.78
530	529	Shell-Thick	SLE-QP	1.1243	11.7364	-8.21	64.14
530	529	Shell-Thick	SLE-QP	3.8589	23.6972	1.37	64.14
530	529	Shell-Thick	SLE-QP	4.6197	18.6960	1.37	54.56
530	529	Shell-Thick	SLE-QP	1.7326	6.8973	-8.21	54.56
531	530	Shell-Thick	SLU-STATICA	0.6949	10.6775	-16.97	79.22
531	530	Shell-Thick	SLU-STATICA	3.4013	24.6948	2.38	79.22
531	530	Shell-Thick	SLU-STATICA	4.9470	17.0471	2.38	59.88
531	530	Shell-Thick	SLU-STATICA	2.0684	3.2213	-16.97	59.88
531	530	Shell-Thick	SLU-SISMICA	0.8664	12.8953	-20.46	94.39
531	530	Shell-Thick	SLU-SISMICA	4.0640	29.5579	2.86	94.39
531	530	Shell-Thick	SLU-SISMICA	5.9166	20.3447	2.86	71.07
531	530	Shell-Thick	SLU-SISMICA	2.5359	3.8885	-20.46	71.07
531	530	Shell-Thick	SLE-RARA	0.5278	8.1189	-12.90	60.26
531	530	Shell-Thick	SLE-RARA	2.5872	18.7825	1.81	60.26
531	530	Shell-Thick	SLE-RARA	3.7627	12.9670	1.81	45.55
531	530	Shell-Thick	SLE-RARA	1.5720	2.4494	-12.90	45.55

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531	530 Shell-Thick	SLE-FREQ.	0.5169	7.9651	-12.66	59.17
531	530 Shell-Thick	SLE-FREQ.	2.5396	18.4357	1.78	59.17
531	530 Shell-Thick	SLE-FREQ.	3.6934	12.7295	1.78	44.73
531	530 Shell-Thick	SLE-FREQ.	1.5409	2.4031	-12.66	44.73
531	530 Shell-Thick	SLE-QP	0.4842	7.5039	-11.93	55.87
531	530 Shell-Thick	SLE-QP	2.3970	17.3952	1.68	55.87
531	530 Shell-Thick	SLE-QP	3.4854	12.0171	1.68	42.27
531	530 Shell-Thick	SLE-QP	1.4479	2.2641	-11.93	42.27
532	531 Shell-Thick	SLU-STATICA	0.4603	4.6841	-24.82	62.62
532	531 Shell-Thick	SLU-STATICA	1.1541	14.5040	2.70	62.62
532	531 Shell-Thick	SLU-STATICA	3.3947	8.2397	2.70	35.10
532	531 Shell-Thick	SLU-STATICA	2.6482	-1.5000	-24.82	35.10
532	531 Shell-Thick	SLU-SISMICA	0.5972	5.6546	-29.71	74.38
532	531 Shell-Thick	SLU-SISMICA	1.3740	17.2823	3.22	74.38
532	531 Shell-Thick	SLU-SISMICA	4.0426	9.8006	3.22	41.46
532	531 Shell-Thick	SLU-SISMICA	3.2309	-1.7594	-29.71	41.46
532	531 Shell-Thick	SLE-RARA	0.3492	3.5617	-18.88	47.64
532	531 Shell-Thick	SLE-RARA	0.8779	11.0332	2.05	47.64
532	531 Shell-Thick	SLE-RARA	2.5824	6.2683	2.05	26.71
532	531 Shell-Thick	SLE-RARA	2.0129	-1.1416	-18.88	26.71
532	531 Shell-Thick	SLE-FREQ.	0.3412	3.4944	-18.53	46.78
532	531 Shell-Thick	SLE-FREQ.	0.8619	10.8320	2.02	46.78
532	531 Shell-Thick	SLE-FREQ.	2.5354	6.1546	2.02	26.23
532	531 Shell-Thick	SLE-FREQ.	1.9737	-1.1217	-18.53	26.23
532	531 Shell-Thick	SLE-QP	0.3173	3.2923	-17.49	44.20
532	531 Shell-Thick	SLE-QP	0.8140	10.2286	1.90	44.20
532	531 Shell-Thick	SLE-QP	2.3944	5.8134	1.90	24.81
532	531 Shell-Thick	SLE-QP	1.8561	-1.0620	-17.49	24.81
533	532 Shell-Thick	SLU-STATICA	0.8650	0.9428	-39.49	39.42
533	532 Shell-Thick	SLU-STATICA	-1.0885	4.5436	3.08	39.42
533	532 Shell-Thick	SLU-STATICA	2.5045	2.5363	3.08	-3.15
533	532 Shell-Thick	SLU-STATICA	4.5594	-1.1236	-39.49	-3.15
533	532 Shell-Thick	SLU-SISMICA	1.0248	1.1464	-46.73	46.63
533	532 Shell-Thick	SLU-SISMICA	-1.2794	5.3892	3.63	46.63
533	532 Shell-Thick	SLU-SISMICA	2.9590	3.0088	3.63	-3.74
533	532 Shell-Thick	SLU-SISMICA	5.4138	-1.3342	-46.73	-3.74
533	532 Shell-Thick	SLE-RARA	0.6581	0.7167	-30.04	29.99
533	532 Shell-Thick	SLE-RARA	-0.8283	3.4568	2.34	29.99
533	532 Shell-Thick	SLE-RARA	1.9056	1.9296	2.34	-2.39
533	532 Shell-Thick	SLE-RARA	3.4687	-0.8548	-30.04	-2.39
533	532 Shell-Thick	SLE-FREQ.	0.6463	0.7029	-29.51	29.46
533	532 Shell-Thick	SLE-FREQ.	-0.8138	3.3946	2.30	29.46
533	532 Shell-Thick	SLE-FREQ.	1.8717	1.8949	2.30	-2.35
533	532 Shell-Thick	SLE-FREQ.	3.4061	-0.8393	-29.51	-2.35
533	532 Shell-Thick	SLE-QP	0.6109	0.6614	-27.89	27.85
533	532 Shell-Thick	SLE-QP	-0.7703	3.2080	2.18	27.85
533	532 Shell-Thick	SLE-QP	1.7700	1.7907	2.18	-2.22
533	532 Shell-Thick	SLE-QP	3.2183	-0.7930	-27.89	-2.22

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
1	GLOBAL	Cartesian	-1.40000	0.00000	7.55000	No	-1.40000
2	GLOBAL	Cartesian	1.40000	0.00000	7.55000	No	1.40000
3	GLOBAL	Cartesian	1.40000	0.00000	-6.370E-14	No	1.40000
4	GLOBAL	Cartesian	-1.40000	0.00000	6.370E-14	No	-1.40000
5	GLOBAL	Cartesian	-1.20000	0.00000	-2.707E-13	No	-1.20000
6	GLOBAL	Cartesian	-1.20000	0.00000	7.55000	No	-1.20000
7	GLOBAL	Cartesian	-1.00000	0.00000	-6.051E-13	No	-1.00000
8	GLOBAL	Cartesian	-1.00000	0.00000	7.55000	No	-1.00000
9	GLOBAL	Cartesian	-0.80000	0.00000	-9.395E-13	No	-0.80000
10	GLOBAL	Cartesian	-0.80000	0.00000	7.55000	No	-0.80000
11	GLOBAL	Cartesian	-0.60000	0.00000	-1.274E-12	No	-0.60000
12	GLOBAL	Cartesian	-0.60000	0.00000	7.55000	No	-0.60000
13	GLOBAL	Cartesian	-0.40000	0.00000	-1.608E-12	No	-0.40000
14	GLOBAL	Cartesian	-0.40000	0.00000	7.55000	No	-0.40000

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15	GLOBAL	Cartesian	-0.20000	0.00000	-1.943E-12	No	-0.20000
16	GLOBAL	Cartesian	-0.20000	0.00000	7.55000	No	-0.20000
17	GLOBAL	Cartesian	8.602E-09	0.00000	-2.277E-12	No	8.602E-09
18	GLOBAL	Cartesian	8.614E-09	0.00000	7.55000	No	8.614E-09
19	GLOBAL	Cartesian	0.20000	0.00000	-2.612E-12	No	0.20000
20	GLOBAL	Cartesian	0.20000	0.00000	7.55000	No	0.20000
21	GLOBAL	Cartesian	0.40000	0.00000	-2.946E-12	No	0.40000
22	GLOBAL	Cartesian	0.40000	0.00000	7.55000	No	0.40000
23	GLOBAL	Cartesian	0.60000	0.00000	-3.280E-12	No	0.60000
24	GLOBAL	Cartesian	0.60000	0.00000	7.55000	No	0.60000
25	GLOBAL	Cartesian	0.80000	0.00000	-3.615E-12	No	0.80000
26	GLOBAL	Cartesian	0.80000	0.00000	7.55000	No	0.80000
27	GLOBAL	Cartesian	1.00000	0.00000	-3.949E-12	No	1.00000
28	GLOBAL	Cartesian	1.00000	0.00000	7.55000	No	1.00000
29	GLOBAL	Cartesian	1.20000	0.00000	-4.284E-12	No	1.20000
30	GLOBAL	Cartesian	1.20000	0.00000	7.55000	No	1.20000
31	GLOBAL	Cartesian	1.40000	0.00000	0.20000	No	1.40000
32	GLOBAL	Cartesian	-1.40000	0.00000	0.20000	No	-1.40000
33	GLOBAL	Cartesian	1.40000	0.00000	0.40000	No	1.40000
34	GLOBAL	Cartesian	-1.40000	0.00000	0.40000	No	-1.40000
35	GLOBAL	Cartesian	1.40000	0.00000	0.60000	No	1.40000
36	GLOBAL	Cartesian	-1.40000	0.00000	0.60000	No	-1.40000
37	GLOBAL	Cartesian	1.40000	0.00000	0.80000	No	1.40000
38	GLOBAL	Cartesian	-1.40000	0.00000	0.80000	No	-1.40000
39	GLOBAL	Cartesian	1.40000	0.00000	1.00000	No	1.40000
40	GLOBAL	Cartesian	-1.40000	0.00000	1.00000	No	-1.40000
41	GLOBAL	Cartesian	1.40000	0.00000	1.20000	No	1.40000
42	GLOBAL	Cartesian	-1.40000	0.00000	1.20000	No	-1.40000
43	GLOBAL	Cartesian	1.40000	0.00000	1.40000	No	1.40000
44	GLOBAL	Cartesian	-1.40000	0.00000	1.40000	No	-1.40000
45	GLOBAL	Cartesian	1.40000	0.00000	1.60000	No	1.40000
46	GLOBAL	Cartesian	-1.40000	0.00000	1.60000	No	-1.40000
47	GLOBAL	Cartesian	1.40000	0.00000	1.80000	No	1.40000
48	GLOBAL	Cartesian	-1.40000	0.00000	1.80000	No	-1.40000
49	GLOBAL	Cartesian	1.40000	0.00000	2.00000	No	1.40000
50	GLOBAL	Cartesian	-1.40000	0.00000	2.00000	No	-1.40000
51	GLOBAL	Cartesian	1.40000	0.00000	2.20000	No	1.40000
52	GLOBAL	Cartesian	-1.40000	0.00000	2.20000	No	-1.40000
53	GLOBAL	Cartesian	1.40000	0.00000	2.40000	No	1.40000
54	GLOBAL	Cartesian	-1.40000	0.00000	2.40000	No	-1.40000
55	GLOBAL	Cartesian	1.40000	0.00000	2.60000	No	1.40000
56	GLOBAL	Cartesian	-1.40000	0.00000	2.60000	No	-1.40000
57	GLOBAL	Cartesian	1.40000	0.00000	2.80000	No	1.40000
58	GLOBAL	Cartesian	-1.40000	0.00000	2.80000	No	-1.40000
59	GLOBAL	Cartesian	1.40000	0.00000	3.00000	No	1.40000
60	GLOBAL	Cartesian	-1.40000	0.00000	3.00000	No	-1.40000
61	GLOBAL	Cartesian	1.40000	0.00000	3.20000	No	1.40000
62	GLOBAL	Cartesian	-1.40000	0.00000	3.20000	No	-1.40000
63	GLOBAL	Cartesian	1.40000	0.00000	3.40000	No	1.40000
64	GLOBAL	Cartesian	-1.40000	0.00000	3.40000	No	-1.40000
65	GLOBAL	Cartesian	1.40000	0.00000	3.60000	No	1.40000
66	GLOBAL	Cartesian	-1.40000	0.00000	3.60000	No	-1.40000
67	GLOBAL	Cartesian	1.40000	0.00000	3.80000	No	1.40000
68	GLOBAL	Cartesian	-1.40000	0.00000	3.80000	No	-1.40000
69	GLOBAL	Cartesian	1.40000	0.00000	4.00000	No	1.40000
70	GLOBAL	Cartesian	-1.40000	0.00000	4.00000	No	-1.40000
71	GLOBAL	Cartesian	1.40000	0.00000	4.20000	No	1.40000
72	GLOBAL	Cartesian	-1.40000	0.00000	4.20000	No	-1.40000
73	GLOBAL	Cartesian	1.40000	0.00000	4.40000	No	1.40000
74	GLOBAL	Cartesian	-1.40000	0.00000	4.40000	No	-1.40000
75	GLOBAL	Cartesian	1.40000	0.00000	4.60000	No	1.40000
76	GLOBAL	Cartesian	-1.40000	0.00000	4.60000	No	-1.40000
77	GLOBAL	Cartesian	1.40000	0.00000	4.80000	No	1.40000
78	GLOBAL	Cartesian	-1.40000	0.00000	4.80000	No	-1.40000
79	GLOBAL	Cartesian	1.40000	0.00000	5.00000	No	1.40000
80	GLOBAL	Cartesian	-1.40000	0.00000	5.00000	No	-1.40000
81	GLOBAL	Cartesian	1.40000	0.00000	5.20000	No	1.40000
82	GLOBAL	Cartesian	-1.40000	0.00000	5.20000	No	-1.40000
83	GLOBAL	Cartesian	1.40000	0.00000	5.40000	No	1.40000

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84	GLOBAL	Cartesian	-1.40000	0.00000	5.40000	No	-1.40000
85	GLOBAL	Cartesian	1.40000	0.00000	5.55000	No	1.40000
86	GLOBAL	Cartesian	-1.40000	0.00000	5.55000	No	-1.40000
87	GLOBAL	Cartesian	1.40000	0.00000	5.80000	No	1.40000
88	GLOBAL	Cartesian	-1.40000	0.00000	5.80000	No	-1.40000
89	GLOBAL	Cartesian	1.40000	0.00000	6.00000	No	1.40000
90	GLOBAL	Cartesian	-1.40000	0.00000	6.00000	No	-1.40000
91	GLOBAL	Cartesian	1.40000	0.00000	6.20000	No	1.40000
92	GLOBAL	Cartesian	-1.40000	0.00000	6.20000	No	-1.40000
93	GLOBAL	Cartesian	1.40000	0.00000	6.40000	No	1.40000
94	GLOBAL	Cartesian	-1.40000	0.00000	6.40000	No	-1.40000
95	GLOBAL	Cartesian	1.40000	0.00000	6.60000	No	1.40000
96	GLOBAL	Cartesian	-1.40000	0.00000	6.60000	No	-1.40000
97	GLOBAL	Cartesian	1.40000	0.00000	6.80000	No	1.40000
98	GLOBAL	Cartesian	-1.40000	0.00000	6.80000	No	-1.40000
99	GLOBAL	Cartesian	1.40000	0.00000	7.00000	No	1.40000
100	GLOBAL	Cartesian	-1.40000	0.00000	7.00000	No	-1.40000
101	GLOBAL	Cartesian	1.40000	0.00000	7.20000	No	1.40000
102	GLOBAL	Cartesian	-1.40000	0.00000	7.20000	No	-1.40000
103	GLOBAL	Cartesian	1.40000	0.00000	7.40000	No	1.40000
104	GLOBAL	Cartesian	-1.40000	0.00000	7.40000	No	-1.40000
105	GLOBAL	Cartesian	-1.20000	0.00000	0.20000	No	-1.20000
106	GLOBAL	Cartesian	-1.20000	0.00000	0.40000	No	-1.20000
107	GLOBAL	Cartesian	-1.20000	0.00000	0.60000	No	-1.20000
108	GLOBAL	Cartesian	-1.20000	0.00000	0.80000	No	-1.20000
109	GLOBAL	Cartesian	-1.20000	0.00000	1.00000	No	-1.20000
110	GLOBAL	Cartesian	-1.20000	0.00000	1.20000	No	-1.20000
111	GLOBAL	Cartesian	-1.20000	0.00000	1.40000	No	-1.20000
112	GLOBAL	Cartesian	-1.20000	0.00000	1.60000	No	-1.20000
113	GLOBAL	Cartesian	-1.20000	0.00000	1.80000	No	-1.20000
114	GLOBAL	Cartesian	-1.20000	0.00000	2.00000	No	-1.20000
115	GLOBAL	Cartesian	-1.20000	0.00000	2.20000	No	-1.20000
116	GLOBAL	Cartesian	-1.20000	0.00000	2.40000	No	-1.20000
117	GLOBAL	Cartesian	-1.20000	0.00000	2.60000	No	-1.20000
118	GLOBAL	Cartesian	-1.20000	0.00000	2.80000	No	-1.20000
119	GLOBAL	Cartesian	-1.20000	0.00000	3.00000	No	-1.20000
120	GLOBAL	Cartesian	-1.20000	0.00000	3.20000	No	-1.20000
121	GLOBAL	Cartesian	-1.20000	0.00000	3.40000	No	-1.20000
122	GLOBAL	Cartesian	-1.20000	0.00000	3.60000	No	-1.20000
123	GLOBAL	Cartesian	-1.20000	0.00000	3.80000	No	-1.20000
124	GLOBAL	Cartesian	-1.20000	0.00000	4.00000	No	-1.20000
125	GLOBAL	Cartesian	-1.20000	0.00000	4.20000	No	-1.20000
126	GLOBAL	Cartesian	-1.20000	0.00000	4.40000	No	-1.20000
127	GLOBAL	Cartesian	-1.20000	0.00000	4.60000	No	-1.20000
128	GLOBAL	Cartesian	-1.20000	0.00000	4.80000	No	-1.20000
129	GLOBAL	Cartesian	-1.20000	0.00000	5.00000	No	-1.20000
130	GLOBAL	Cartesian	-1.20000	0.00000	5.20000	No	-1.20000
131	GLOBAL	Cartesian	-1.20000	0.00000	5.40000	No	-1.20000
132	GLOBAL	Cartesian	-1.20000	0.00000	5.55000	No	-1.20000
133	GLOBAL	Cartesian	-1.20000	0.00000	5.80000	No	-1.20000
134	GLOBAL	Cartesian	-1.20000	0.00000	6.00000	No	-1.20000
135	GLOBAL	Cartesian	-1.20000	0.00000	6.20000	No	-1.20000
136	GLOBAL	Cartesian	-1.20000	0.00000	6.40000	No	-1.20000
137	GLOBAL	Cartesian	-1.20000	0.00000	6.60000	No	-1.20000
138	GLOBAL	Cartesian	-1.20000	0.00000	6.80000	No	-1.20000
139	GLOBAL	Cartesian	-1.20000	0.00000	7.00000	No	-1.20000
140	GLOBAL	Cartesian	-1.20000	0.00000	7.20000	No	-1.20000
141	GLOBAL	Cartesian	-1.20000	0.00000	7.40000	No	-1.20000
142	GLOBAL	Cartesian	-1.00000	0.00000	0.20000	No	-1.00000
143	GLOBAL	Cartesian	-1.00000	0.00000	0.40000	No	-1.00000
144	GLOBAL	Cartesian	-1.00000	0.00000	0.60000	No	-1.00000
145	GLOBAL	Cartesian	-1.00000	0.00000	0.80000	No	-1.00000
146	GLOBAL	Cartesian	-1.00000	0.00000	1.00000	No	-1.00000
147	GLOBAL	Cartesian	-1.00000	0.00000	1.20000	No	-1.00000
148	GLOBAL	Cartesian	-1.00000	0.00000	1.40000	No	-1.00000
149	GLOBAL	Cartesian	-1.00000	0.00000	1.60000	No	-1.00000
150	GLOBAL	Cartesian	-1.00000	0.00000	1.80000	No	-1.00000
151	GLOBAL	Cartesian	-1.00000	0.00000	2.00000	No	-1.00000
152	GLOBAL	Cartesian	-1.00000	0.00000	2.20000	No	-1.00000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

153	GLOBAL	Cartesian	-1.00000	0.00000	2.40000	No	-1.00000
154	GLOBAL	Cartesian	-1.00000	0.00000	2.60000	No	-1.00000
155	GLOBAL	Cartesian	-1.00000	0.00000	2.80000	No	-1.00000
156	GLOBAL	Cartesian	-1.00000	0.00000	3.00000	No	-1.00000
157	GLOBAL	Cartesian	-1.00000	0.00000	3.20000	No	-1.00000
158	GLOBAL	Cartesian	-1.00000	0.00000	3.40000	No	-1.00000
159	GLOBAL	Cartesian	-1.00000	0.00000	3.60000	No	-1.00000
160	GLOBAL	Cartesian	-1.00000	0.00000	3.80000	No	-1.00000
161	GLOBAL	Cartesian	-1.00000	0.00000	4.00000	No	-1.00000
162	GLOBAL	Cartesian	-1.00000	0.00000	4.20000	No	-1.00000
163	GLOBAL	Cartesian	-1.00000	0.00000	4.40000	No	-1.00000
164	GLOBAL	Cartesian	-1.00000	0.00000	4.60000	No	-1.00000
165	GLOBAL	Cartesian	-1.00000	0.00000	4.80000	No	-1.00000
166	GLOBAL	Cartesian	-1.00000	0.00000	5.00000	No	-1.00000
167	GLOBAL	Cartesian	-1.00000	0.00000	5.20000	No	-1.00000
168	GLOBAL	Cartesian	-1.00000	0.00000	5.40000	No	-1.00000
169	GLOBAL	Cartesian	-1.00000	0.00000	5.55000	No	-1.00000
170	GLOBAL	Cartesian	-1.00000	0.00000	5.80000	No	-1.00000
171	GLOBAL	Cartesian	-1.00000	0.00000	6.00000	No	-1.00000
172	GLOBAL	Cartesian	-1.00000	0.00000	6.20000	No	-1.00000
173	GLOBAL	Cartesian	-1.00000	0.00000	6.40000	No	-1.00000
174	GLOBAL	Cartesian	-1.00000	0.00000	6.60000	No	-1.00000
175	GLOBAL	Cartesian	-1.00000	0.00000	6.80000	No	-1.00000
176	GLOBAL	Cartesian	-1.00000	0.00000	7.00000	No	-1.00000
177	GLOBAL	Cartesian	-1.00000	0.00000	7.20000	No	-1.00000
178	GLOBAL	Cartesian	-1.00000	0.00000	7.40000	No	-1.00000
179	GLOBAL	Cartesian	-0.80000	0.00000	0.20000	No	-0.80000
180	GLOBAL	Cartesian	-0.80000	0.00000	0.40000	No	-0.80000
181	GLOBAL	Cartesian	-0.80000	0.00000	0.60000	No	-0.80000
182	GLOBAL	Cartesian	-0.80000	0.00000	0.80000	No	-0.80000
183	GLOBAL	Cartesian	-0.80000	0.00000	1.00000	No	-0.80000
184	GLOBAL	Cartesian	-0.80000	0.00000	1.20000	No	-0.80000
185	GLOBAL	Cartesian	-0.80000	0.00000	1.40000	No	-0.80000
186	GLOBAL	Cartesian	-0.80000	0.00000	1.60000	No	-0.80000
187	GLOBAL	Cartesian	-0.80000	0.00000	1.80000	No	-0.80000
188	GLOBAL	Cartesian	-0.80000	0.00000	2.00000	No	-0.80000
189	GLOBAL	Cartesian	-0.80000	0.00000	2.20000	No	-0.80000
190	GLOBAL	Cartesian	-0.80000	0.00000	2.40000	No	-0.80000
191	GLOBAL	Cartesian	-0.80000	0.00000	2.60000	No	-0.80000
192	GLOBAL	Cartesian	-0.80000	0.00000	2.80000	No	-0.80000
193	GLOBAL	Cartesian	-0.80000	0.00000	3.00000	No	-0.80000
194	GLOBAL	Cartesian	-0.80000	0.00000	3.20000	No	-0.80000
195	GLOBAL	Cartesian	-0.80000	0.00000	3.40000	No	-0.80000
196	GLOBAL	Cartesian	-0.80000	0.00000	3.60000	No	-0.80000
197	GLOBAL	Cartesian	-0.80000	0.00000	3.80000	No	-0.80000
198	GLOBAL	Cartesian	-0.80000	0.00000	4.00000	No	-0.80000
199	GLOBAL	Cartesian	-0.80000	0.00000	4.20000	No	-0.80000
200	GLOBAL	Cartesian	-0.80000	0.00000	4.40000	No	-0.80000
201	GLOBAL	Cartesian	-0.80000	0.00000	4.60000	No	-0.80000
202	GLOBAL	Cartesian	-0.80000	0.00000	4.80000	No	-0.80000
203	GLOBAL	Cartesian	-0.80000	0.00000	5.00000	No	-0.80000
204	GLOBAL	Cartesian	-0.80000	0.00000	5.20000	No	-0.80000
205	GLOBAL	Cartesian	-0.80000	0.00000	5.40000	No	-0.80000
206	GLOBAL	Cartesian	-0.80000	0.00000	5.55000	No	-0.80000
207	GLOBAL	Cartesian	-0.80000	0.00000	5.80000	No	-0.80000
208	GLOBAL	Cartesian	-0.80000	0.00000	6.00000	No	-0.80000
209	GLOBAL	Cartesian	-0.80000	0.00000	6.20000	No	-0.80000
210	GLOBAL	Cartesian	-0.80000	0.00000	6.40000	No	-0.80000
211	GLOBAL	Cartesian	-0.80000	0.00000	6.60000	No	-0.80000
212	GLOBAL	Cartesian	-0.80000	0.00000	6.80000	No	-0.80000
213	GLOBAL	Cartesian	-0.80000	0.00000	7.00000	No	-0.80000
214	GLOBAL	Cartesian	-0.80000	0.00000	7.20000	No	-0.80000
215	GLOBAL	Cartesian	-0.80000	0.00000	7.40000	No	-0.80000
216	GLOBAL	Cartesian	-0.60000	0.00000	0.20000	No	-0.60000
217	GLOBAL	Cartesian	-0.60000	0.00000	0.40000	No	-0.60000
218	GLOBAL	Cartesian	-0.60000	0.00000	0.60000	No	-0.60000
219	GLOBAL	Cartesian	-0.60000	0.00000	0.80000	No	-0.60000
220	GLOBAL	Cartesian	-0.60000	0.00000	1.00000	No	-0.60000
221	GLOBAL	Cartesian	-0.60000	0.00000	1.20000	No	-0.60000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

222	GLOBAL	Cartesian	-0.60000	0.00000	1.40000	No	-0.60000
223	GLOBAL	Cartesian	-0.60000	0.00000	1.60000	No	-0.60000
224	GLOBAL	Cartesian	-0.60000	0.00000	1.80000	No	-0.60000
225	GLOBAL	Cartesian	-0.60000	0.00000	2.00000	No	-0.60000
226	GLOBAL	Cartesian	-0.60000	0.00000	2.20000	No	-0.60000
227	GLOBAL	Cartesian	-0.60000	0.00000	2.40000	No	-0.60000
228	GLOBAL	Cartesian	-0.60000	0.00000	2.60000	No	-0.60000
229	GLOBAL	Cartesian	-0.60000	0.00000	2.80000	No	-0.60000
230	GLOBAL	Cartesian	-0.60000	0.00000	3.00000	No	-0.60000
231	GLOBAL	Cartesian	-0.60000	0.00000	3.20000	No	-0.60000
232	GLOBAL	Cartesian	-0.60000	0.00000	3.40000	No	-0.60000
233	GLOBAL	Cartesian	-0.60000	0.00000	3.60000	No	-0.60000
234	GLOBAL	Cartesian	-0.60000	0.00000	3.80000	No	-0.60000
235	GLOBAL	Cartesian	-0.60000	0.00000	4.00000	No	-0.60000
236	GLOBAL	Cartesian	-0.60000	0.00000	4.20000	No	-0.60000
237	GLOBAL	Cartesian	-0.60000	0.00000	4.40000	No	-0.60000
238	GLOBAL	Cartesian	-0.60000	0.00000	4.60000	No	-0.60000
239	GLOBAL	Cartesian	-0.60000	0.00000	4.80000	No	-0.60000
240	GLOBAL	Cartesian	-0.60000	0.00000	5.00000	No	-0.60000
241	GLOBAL	Cartesian	-0.60000	0.00000	5.20000	No	-0.60000
242	GLOBAL	Cartesian	-0.60000	0.00000	5.40000	No	-0.60000
243	GLOBAL	Cartesian	-0.60000	0.00000	5.55000	No	-0.60000
244	GLOBAL	Cartesian	-0.60000	0.00000	5.80000	No	-0.60000
245	GLOBAL	Cartesian	-0.60000	0.00000	6.00000	No	-0.60000
246	GLOBAL	Cartesian	-0.60000	0.00000	6.20000	No	-0.60000
247	GLOBAL	Cartesian	-0.60000	0.00000	6.40000	No	-0.60000
248	GLOBAL	Cartesian	-0.60000	0.00000	6.60000	No	-0.60000
249	GLOBAL	Cartesian	-0.60000	0.00000	6.80000	No	-0.60000
250	GLOBAL	Cartesian	-0.60000	0.00000	7.00000	No	-0.60000
251	GLOBAL	Cartesian	-0.60000	0.00000	7.20000	No	-0.60000
252	GLOBAL	Cartesian	-0.60000	0.00000	7.40000	No	-0.60000
253	GLOBAL	Cartesian	-0.40000	0.00000	0.20000	No	-0.40000
254	GLOBAL	Cartesian	-0.40000	0.00000	0.40000	No	-0.40000
255	GLOBAL	Cartesian	-0.40000	0.00000	0.60000	No	-0.40000
256	GLOBAL	Cartesian	-0.40000	0.00000	0.80000	No	-0.40000
257	GLOBAL	Cartesian	-0.40000	0.00000	1.00000	No	-0.40000
258	GLOBAL	Cartesian	-0.40000	0.00000	1.20000	No	-0.40000
259	GLOBAL	Cartesian	-0.40000	0.00000	1.40000	No	-0.40000
260	GLOBAL	Cartesian	-0.40000	0.00000	1.60000	No	-0.40000
261	GLOBAL	Cartesian	-0.40000	0.00000	1.80000	No	-0.40000
262	GLOBAL	Cartesian	-0.40000	0.00000	2.00000	No	-0.40000
263	GLOBAL	Cartesian	-0.40000	0.00000	2.20000	No	-0.40000
264	GLOBAL	Cartesian	-0.40000	0.00000	2.40000	No	-0.40000
265	GLOBAL	Cartesian	-0.40000	0.00000	2.60000	No	-0.40000
266	GLOBAL	Cartesian	-0.40000	0.00000	2.80000	No	-0.40000
267	GLOBAL	Cartesian	-0.40000	0.00000	3.00000	No	-0.40000
268	GLOBAL	Cartesian	-0.40000	0.00000	3.20000	No	-0.40000
269	GLOBAL	Cartesian	-0.40000	0.00000	3.40000	No	-0.40000
270	GLOBAL	Cartesian	-0.40000	0.00000	3.60000	No	-0.40000
271	GLOBAL	Cartesian	-0.40000	0.00000	3.80000	No	-0.40000
272	GLOBAL	Cartesian	-0.40000	0.00000	4.00000	No	-0.40000
273	GLOBAL	Cartesian	-0.40000	0.00000	4.20000	No	-0.40000
274	GLOBAL	Cartesian	-0.40000	0.00000	4.40000	No	-0.40000
275	GLOBAL	Cartesian	-0.40000	0.00000	4.60000	No	-0.40000
276	GLOBAL	Cartesian	-0.40000	0.00000	4.80000	No	-0.40000
277	GLOBAL	Cartesian	-0.40000	0.00000	5.00000	No	-0.40000
278	GLOBAL	Cartesian	-0.40000	0.00000	5.20000	No	-0.40000
279	GLOBAL	Cartesian	-0.40000	0.00000	5.40000	No	-0.40000
280	GLOBAL	Cartesian	-0.40000	0.00000	5.55000	No	-0.40000
281	GLOBAL	Cartesian	-0.40000	0.00000	5.80000	No	-0.40000
282	GLOBAL	Cartesian	-0.40000	0.00000	6.00000	No	-0.40000
283	GLOBAL	Cartesian	-0.40000	0.00000	6.20000	No	-0.40000
284	GLOBAL	Cartesian	-0.40000	0.00000	6.40000	No	-0.40000
285	GLOBAL	Cartesian	-0.40000	0.00000	6.60000	No	-0.40000
286	GLOBAL	Cartesian	-0.40000	0.00000	6.80000	No	-0.40000
287	GLOBAL	Cartesian	-0.40000	0.00000	7.00000	No	-0.40000
288	GLOBAL	Cartesian	-0.40000	0.00000	7.20000	No	-0.40000
289	GLOBAL	Cartesian	-0.40000	0.00000	7.40000	No	-0.40000
290	GLOBAL	Cartesian	-0.20000	0.00000	0.20000	No	-0.20000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

291	GLOBAL	Cartesian	-0.20000	0.00000	0.40000	No	-0.20000
292	GLOBAL	Cartesian	-0.20000	0.00000	0.60000	No	-0.20000
293	GLOBAL	Cartesian	-0.20000	0.00000	0.80000	No	-0.20000
294	GLOBAL	Cartesian	-0.20000	0.00000	1.00000	No	-0.20000
295	GLOBAL	Cartesian	-0.20000	0.00000	1.20000	No	-0.20000
296	GLOBAL	Cartesian	-0.20000	0.00000	1.40000	No	-0.20000
297	GLOBAL	Cartesian	-0.20000	0.00000	1.60000	No	-0.20000
298	GLOBAL	Cartesian	-0.20000	0.00000	1.80000	No	-0.20000
299	GLOBAL	Cartesian	-0.20000	0.00000	2.00000	No	-0.20000
300	GLOBAL	Cartesian	-0.20000	0.00000	2.20000	No	-0.20000
301	GLOBAL	Cartesian	-0.20000	0.00000	2.40000	No	-0.20000
302	GLOBAL	Cartesian	-0.20000	0.00000	2.60000	No	-0.20000
303	GLOBAL	Cartesian	-0.20000	0.00000	2.80000	No	-0.20000
304	GLOBAL	Cartesian	-0.20000	0.00000	3.00000	No	-0.20000
305	GLOBAL	Cartesian	-0.20000	0.00000	3.20000	No	-0.20000
306	GLOBAL	Cartesian	-0.20000	0.00000	3.40000	No	-0.20000
307	GLOBAL	Cartesian	-0.20000	0.00000	3.60000	No	-0.20000
308	GLOBAL	Cartesian	-0.20000	0.00000	3.80000	No	-0.20000
309	GLOBAL	Cartesian	-0.20000	0.00000	4.00000	No	-0.20000
310	GLOBAL	Cartesian	-0.20000	0.00000	4.20000	No	-0.20000
311	GLOBAL	Cartesian	-0.20000	0.00000	4.40000	No	-0.20000
312	GLOBAL	Cartesian	-0.20000	0.00000	4.60000	No	-0.20000
313	GLOBAL	Cartesian	-0.20000	0.00000	4.80000	No	-0.20000
314	GLOBAL	Cartesian	-0.20000	0.00000	5.00000	No	-0.20000
315	GLOBAL	Cartesian	-0.20000	0.00000	5.20000	No	-0.20000
316	GLOBAL	Cartesian	-0.20000	0.00000	5.40000	No	-0.20000
317	GLOBAL	Cartesian	-0.20000	0.00000	5.55000	No	-0.20000
318	GLOBAL	Cartesian	-0.20000	0.00000	5.80000	No	-0.20000
319	GLOBAL	Cartesian	-0.20000	0.00000	6.00000	No	-0.20000
320	GLOBAL	Cartesian	-0.20000	0.00000	6.20000	No	-0.20000
321	GLOBAL	Cartesian	-0.20000	0.00000	6.40000	No	-0.20000
322	GLOBAL	Cartesian	-0.20000	0.00000	6.60000	No	-0.20000
323	GLOBAL	Cartesian	-0.20000	0.00000	6.80000	No	-0.20000
324	GLOBAL	Cartesian	-0.20000	0.00000	7.00000	No	-0.20000
325	GLOBAL	Cartesian	-0.20000	0.00000	7.20000	No	-0.20000
326	GLOBAL	Cartesian	-0.20000	0.00000	7.40000	No	-0.20000
327	GLOBAL	Cartesian	8.602E-09	0.00000	0.20000	No	8.602E-09
328	GLOBAL	Cartesian	8.602E-09	0.00000	0.40000	No	8.602E-09
329	GLOBAL	Cartesian	8.603E-09	0.00000	0.60000	No	8.603E-09
330	GLOBAL	Cartesian	8.603E-09	0.00000	0.80000	No	8.603E-09
331	GLOBAL	Cartesian	8.603E-09	0.00000	1.00000	No	8.603E-09
332	GLOBAL	Cartesian	8.604E-09	0.00000	1.20000	No	8.604E-09
333	GLOBAL	Cartesian	8.604E-09	0.00000	1.40000	No	8.604E-09
334	GLOBAL	Cartesian	8.604E-09	0.00000	1.60000	No	8.604E-09
335	GLOBAL	Cartesian	8.605E-09	0.00000	1.80000	No	8.605E-09
336	GLOBAL	Cartesian	8.605E-09	0.00000	2.00000	No	8.605E-09
337	GLOBAL	Cartesian	8.605E-09	0.00000	2.20000	No	8.605E-09
338	GLOBAL	Cartesian	8.606E-09	0.00000	2.40000	No	8.606E-09
339	GLOBAL	Cartesian	8.606E-09	0.00000	2.60000	No	8.606E-09
340	GLOBAL	Cartesian	8.606E-09	0.00000	2.80000	No	8.606E-09
341	GLOBAL	Cartesian	8.607E-09	0.00000	3.00000	No	8.607E-09
342	GLOBAL	Cartesian	8.607E-09	0.00000	3.20000	No	8.607E-09
343	GLOBAL	Cartesian	8.607E-09	0.00000	3.40000	No	8.607E-09
344	GLOBAL	Cartesian	8.608E-09	0.00000	3.60000	No	8.608E-09
345	GLOBAL	Cartesian	8.608E-09	0.00000	3.80000	No	8.608E-09
346	GLOBAL	Cartesian	8.608E-09	0.00000	4.00000	No	8.608E-09
347	GLOBAL	Cartesian	8.609E-09	0.00000	4.20000	No	8.609E-09
348	GLOBAL	Cartesian	8.609E-09	0.00000	4.40000	No	8.609E-09
349	GLOBAL	Cartesian	8.609E-09	0.00000	4.60000	No	8.609E-09
350	GLOBAL	Cartesian	8.610E-09	0.00000	4.80000	No	8.610E-09
351	GLOBAL	Cartesian	8.610E-09	0.00000	5.00000	No	8.610E-09
352	GLOBAL	Cartesian	8.610E-09	0.00000	5.20000	No	8.610E-09
353	GLOBAL	Cartesian	8.611E-09	0.00000	5.40000	No	8.611E-09
354	GLOBAL	Cartesian	8.611E-09	0.00000	5.55000	No	8.611E-09
355	GLOBAL	Cartesian	8.611E-09	0.00000	5.80000	No	8.611E-09
356	GLOBAL	Cartesian	8.612E-09	0.00000	6.00000	No	8.612E-09
357	GLOBAL	Cartesian	8.612E-09	0.00000	6.20000	No	8.612E-09
358	GLOBAL	Cartesian	8.612E-09	0.00000	6.40000	No	8.612E-09
359	GLOBAL	Cartesian	8.613E-09	0.00000	6.60000	No	8.613E-09



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

360	GLOBAL	Cartesian	8.613E-09	0.00000	6.80000	No	8.613E-09
361	GLOBAL	Cartesian	8.613E-09	0.00000	7.00000	No	8.613E-09
362	GLOBAL	Cartesian	8.614E-09	0.00000	7.20000	No	8.614E-09
363	GLOBAL	Cartesian	8.614E-09	0.00000	7.40000	No	8.614E-09
364	GLOBAL	Cartesian	0.20000	0.00000	0.20000	No	0.20000
365	GLOBAL	Cartesian	0.20000	0.00000	0.40000	No	0.20000
366	GLOBAL	Cartesian	0.20000	0.00000	0.60000	No	0.20000
367	GLOBAL	Cartesian	0.20000	0.00000	0.80000	No	0.20000
368	GLOBAL	Cartesian	0.20000	0.00000	1.00000	No	0.20000
369	GLOBAL	Cartesian	0.20000	0.00000	1.20000	No	0.20000
370	GLOBAL	Cartesian	0.20000	0.00000	1.40000	No	0.20000
371	GLOBAL	Cartesian	0.20000	0.00000	1.60000	No	0.20000
372	GLOBAL	Cartesian	0.20000	0.00000	1.80000	No	0.20000
373	GLOBAL	Cartesian	0.20000	0.00000	2.00000	No	0.20000
374	GLOBAL	Cartesian	0.20000	0.00000	2.20000	No	0.20000
375	GLOBAL	Cartesian	0.20000	0.00000	2.40000	No	0.20000
376	GLOBAL	Cartesian	0.20000	0.00000	2.60000	No	0.20000
377	GLOBAL	Cartesian	0.20000	0.00000	2.80000	No	0.20000
378	GLOBAL	Cartesian	0.20000	0.00000	3.00000	No	0.20000
379	GLOBAL	Cartesian	0.20000	0.00000	3.20000	No	0.20000
380	GLOBAL	Cartesian	0.20000	0.00000	3.40000	No	0.20000
381	GLOBAL	Cartesian	0.20000	0.00000	3.60000	No	0.20000
382	GLOBAL	Cartesian	0.20000	0.00000	3.80000	No	0.20000
383	GLOBAL	Cartesian	0.20000	0.00000	4.00000	No	0.20000
384	GLOBAL	Cartesian	0.20000	0.00000	4.20000	No	0.20000
385	GLOBAL	Cartesian	0.20000	0.00000	4.40000	No	0.20000
386	GLOBAL	Cartesian	0.20000	0.00000	4.60000	No	0.20000
387	GLOBAL	Cartesian	0.20000	0.00000	4.80000	No	0.20000
388	GLOBAL	Cartesian	0.20000	0.00000	5.00000	No	0.20000
389	GLOBAL	Cartesian	0.20000	0.00000	5.20000	No	0.20000
390	GLOBAL	Cartesian	0.20000	0.00000	5.40000	No	0.20000
391	GLOBAL	Cartesian	0.20000	0.00000	5.55000	No	0.20000
392	GLOBAL	Cartesian	0.20000	0.00000	5.80000	No	0.20000
393	GLOBAL	Cartesian	0.20000	0.00000	6.00000	No	0.20000
394	GLOBAL	Cartesian	0.20000	0.00000	6.20000	No	0.20000
395	GLOBAL	Cartesian	0.20000	0.00000	6.40000	No	0.20000
396	GLOBAL	Cartesian	0.20000	0.00000	6.60000	No	0.20000
397	GLOBAL	Cartesian	0.20000	0.00000	6.80000	No	0.20000
398	GLOBAL	Cartesian	0.20000	0.00000	7.00000	No	0.20000
399	GLOBAL	Cartesian	0.20000	0.00000	7.20000	No	0.20000
400	GLOBAL	Cartesian	0.20000	0.00000	7.40000	No	0.20000
401	GLOBAL	Cartesian	0.40000	0.00000	0.20000	No	0.40000
402	GLOBAL	Cartesian	0.40000	0.00000	0.40000	No	0.40000
403	GLOBAL	Cartesian	0.40000	0.00000	0.60000	No	0.40000
404	GLOBAL	Cartesian	0.40000	0.00000	0.80000	No	0.40000
405	GLOBAL	Cartesian	0.40000	0.00000	1.00000	No	0.40000
406	GLOBAL	Cartesian	0.40000	0.00000	1.20000	No	0.40000
407	GLOBAL	Cartesian	0.40000	0.00000	1.40000	No	0.40000
408	GLOBAL	Cartesian	0.40000	0.00000	1.60000	No	0.40000
409	GLOBAL	Cartesian	0.40000	0.00000	1.80000	No	0.40000
410	GLOBAL	Cartesian	0.40000	0.00000	2.00000	No	0.40000
411	GLOBAL	Cartesian	0.40000	0.00000	2.20000	No	0.40000
412	GLOBAL	Cartesian	0.40000	0.00000	2.40000	No	0.40000
413	GLOBAL	Cartesian	0.40000	0.00000	2.60000	No	0.40000
414	GLOBAL	Cartesian	0.40000	0.00000	2.80000	No	0.40000
415	GLOBAL	Cartesian	0.40000	0.00000	3.00000	No	0.40000
416	GLOBAL	Cartesian	0.40000	0.00000	3.20000	No	0.40000
417	GLOBAL	Cartesian	0.40000	0.00000	3.40000	No	0.40000
418	GLOBAL	Cartesian	0.40000	0.00000	3.60000	No	0.40000
419	GLOBAL	Cartesian	0.40000	0.00000	3.80000	No	0.40000
420	GLOBAL	Cartesian	0.40000	0.00000	4.00000	No	0.40000
421	GLOBAL	Cartesian	0.40000	0.00000	4.20000	No	0.40000
422	GLOBAL	Cartesian	0.40000	0.00000	4.40000	No	0.40000
423	GLOBAL	Cartesian	0.40000	0.00000	4.60000	No	0.40000
424	GLOBAL	Cartesian	0.40000	0.00000	4.80000	No	0.40000
425	GLOBAL	Cartesian	0.40000	0.00000	5.00000	No	0.40000
426	GLOBAL	Cartesian	0.40000	0.00000	5.20000	No	0.40000
427	GLOBAL	Cartesian	0.40000	0.00000	5.40000	No	0.40000
428	GLOBAL	Cartesian	0.40000	0.00000	5.55000	No	0.40000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

429	GLOBAL	Cartesian	0.40000	0.00000	5.80000	No	0.40000
430	GLOBAL	Cartesian	0.40000	0.00000	6.00000	No	0.40000
431	GLOBAL	Cartesian	0.40000	0.00000	6.20000	No	0.40000
432	GLOBAL	Cartesian	0.40000	0.00000	6.40000	No	0.40000
433	GLOBAL	Cartesian	0.40000	0.00000	6.60000	No	0.40000
434	GLOBAL	Cartesian	0.40000	0.00000	6.80000	No	0.40000
435	GLOBAL	Cartesian	0.40000	0.00000	7.00000	No	0.40000
436	GLOBAL	Cartesian	0.40000	0.00000	7.20000	No	0.40000
437	GLOBAL	Cartesian	0.40000	0.00000	7.40000	No	0.40000
438	GLOBAL	Cartesian	0.60000	0.00000	0.20000	No	0.60000
439	GLOBAL	Cartesian	0.60000	0.00000	0.40000	No	0.60000
440	GLOBAL	Cartesian	0.60000	0.00000	0.60000	No	0.60000
441	GLOBAL	Cartesian	0.60000	0.00000	0.80000	No	0.60000
442	GLOBAL	Cartesian	0.60000	0.00000	1.00000	No	0.60000
443	GLOBAL	Cartesian	0.60000	0.00000	1.20000	No	0.60000
444	GLOBAL	Cartesian	0.60000	0.00000	1.40000	No	0.60000
445	GLOBAL	Cartesian	0.60000	0.00000	1.60000	No	0.60000
446	GLOBAL	Cartesian	0.60000	0.00000	1.80000	No	0.60000
447	GLOBAL	Cartesian	0.60000	0.00000	2.00000	No	0.60000
448	GLOBAL	Cartesian	0.60000	0.00000	2.20000	No	0.60000
449	GLOBAL	Cartesian	0.60000	0.00000	2.40000	No	0.60000
450	GLOBAL	Cartesian	0.60000	0.00000	2.60000	No	0.60000
451	GLOBAL	Cartesian	0.60000	0.00000	2.80000	No	0.60000
452	GLOBAL	Cartesian	0.60000	0.00000	3.00000	No	0.60000
453	GLOBAL	Cartesian	0.60000	0.00000	3.20000	No	0.60000
454	GLOBAL	Cartesian	0.60000	0.00000	3.40000	No	0.60000
455	GLOBAL	Cartesian	0.60000	0.00000	3.60000	No	0.60000
456	GLOBAL	Cartesian	0.60000	0.00000	3.80000	No	0.60000
457	GLOBAL	Cartesian	0.60000	0.00000	4.00000	No	0.60000
458	GLOBAL	Cartesian	0.60000	0.00000	4.20000	No	0.60000
459	GLOBAL	Cartesian	0.60000	0.00000	4.40000	No	0.60000
460	GLOBAL	Cartesian	0.60000	0.00000	4.60000	No	0.60000
461	GLOBAL	Cartesian	0.60000	0.00000	4.80000	No	0.60000
462	GLOBAL	Cartesian	0.60000	0.00000	5.00000	No	0.60000
463	GLOBAL	Cartesian	0.60000	0.00000	5.20000	No	0.60000
464	GLOBAL	Cartesian	0.60000	0.00000	5.40000	No	0.60000
465	GLOBAL	Cartesian	0.60000	0.00000	5.55000	No	0.60000
466	GLOBAL	Cartesian	0.60000	0.00000	5.80000	No	0.60000
467	GLOBAL	Cartesian	0.60000	0.00000	6.00000	No	0.60000
468	GLOBAL	Cartesian	0.60000	0.00000	6.20000	No	0.60000
469	GLOBAL	Cartesian	0.60000	0.00000	6.40000	No	0.60000
470	GLOBAL	Cartesian	0.60000	0.00000	6.60000	No	0.60000
471	GLOBAL	Cartesian	0.60000	0.00000	6.80000	No	0.60000
472	GLOBAL	Cartesian	0.60000	0.00000	7.00000	No	0.60000
473	GLOBAL	Cartesian	0.60000	0.00000	7.20000	No	0.60000
474	GLOBAL	Cartesian	0.60000	0.00000	7.40000	No	0.60000
475	GLOBAL	Cartesian	0.80000	0.00000	0.20000	No	0.80000
476	GLOBAL	Cartesian	0.80000	0.00000	0.40000	No	0.80000
477	GLOBAL	Cartesian	0.80000	0.00000	0.60000	No	0.80000
478	GLOBAL	Cartesian	0.80000	0.00000	0.80000	No	0.80000
479	GLOBAL	Cartesian	0.80000	0.00000	1.00000	No	0.80000
480	GLOBAL	Cartesian	0.80000	0.00000	1.20000	No	0.80000
481	GLOBAL	Cartesian	0.80000	0.00000	1.40000	No	0.80000
482	GLOBAL	Cartesian	0.80000	0.00000	1.60000	No	0.80000
483	GLOBAL	Cartesian	0.80000	0.00000	1.80000	No	0.80000
484	GLOBAL	Cartesian	0.80000	0.00000	2.00000	No	0.80000
485	GLOBAL	Cartesian	0.80000	0.00000	2.20000	No	0.80000
486	GLOBAL	Cartesian	0.80000	0.00000	2.40000	No	0.80000
487	GLOBAL	Cartesian	0.80000	0.00000	2.60000	No	0.80000
488	GLOBAL	Cartesian	0.80000	0.00000	2.80000	No	0.80000
489	GLOBAL	Cartesian	0.80000	0.00000	3.00000	No	0.80000
490	GLOBAL	Cartesian	0.80000	0.00000	3.20000	No	0.80000
491	GLOBAL	Cartesian	0.80000	0.00000	3.40000	No	0.80000
492	GLOBAL	Cartesian	0.80000	0.00000	3.60000	No	0.80000
493	GLOBAL	Cartesian	0.80000	0.00000	3.80000	No	0.80000
494	GLOBAL	Cartesian	0.80000	0.00000	4.00000	No	0.80000
495	GLOBAL	Cartesian	0.80000	0.00000	4.20000	No	0.80000
496	GLOBAL	Cartesian	0.80000	0.00000	4.40000	No	0.80000
497	GLOBAL	Cartesian	0.80000	0.00000	4.60000	No	0.80000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

498	GLOBAL	Cartesian	0.80000	0.00000	4.80000	No	0.80000
499	GLOBAL	Cartesian	0.80000	0.00000	5.00000	No	0.80000
500	GLOBAL	Cartesian	0.80000	0.00000	5.20000	No	0.80000
501	GLOBAL	Cartesian	0.80000	0.00000	5.40000	No	0.80000
502	GLOBAL	Cartesian	0.80000	0.00000	5.55000	No	0.80000
503	GLOBAL	Cartesian	0.80000	0.00000	5.80000	No	0.80000
504	GLOBAL	Cartesian	0.80000	0.00000	6.00000	No	0.80000
505	GLOBAL	Cartesian	0.80000	0.00000	6.20000	No	0.80000
506	GLOBAL	Cartesian	0.80000	0.00000	6.40000	No	0.80000
507	GLOBAL	Cartesian	0.80000	0.00000	6.60000	No	0.80000
508	GLOBAL	Cartesian	0.80000	0.00000	6.80000	No	0.80000
509	GLOBAL	Cartesian	0.80000	0.00000	7.00000	No	0.80000
510	GLOBAL	Cartesian	0.80000	0.00000	7.20000	No	0.80000
511	GLOBAL	Cartesian	0.80000	0.00000	7.40000	No	0.80000
512	GLOBAL	Cartesian	1.00000	0.00000	0.20000	No	1.00000
513	GLOBAL	Cartesian	1.00000	0.00000	0.40000	No	1.00000
514	GLOBAL	Cartesian	1.00000	0.00000	0.60000	No	1.00000
515	GLOBAL	Cartesian	1.00000	0.00000	0.80000	No	1.00000
516	GLOBAL	Cartesian	1.00000	0.00000	1.00000	No	1.00000
517	GLOBAL	Cartesian	1.00000	0.00000	1.20000	No	1.00000
518	GLOBAL	Cartesian	1.00000	0.00000	1.40000	No	1.00000
519	GLOBAL	Cartesian	1.00000	0.00000	1.60000	No	1.00000
520	GLOBAL	Cartesian	1.00000	0.00000	1.80000	No	1.00000
521	GLOBAL	Cartesian	1.00000	0.00000	2.00000	No	1.00000
522	GLOBAL	Cartesian	1.00000	0.00000	2.20000	No	1.00000
523	GLOBAL	Cartesian	1.00000	0.00000	2.40000	No	1.00000
524	GLOBAL	Cartesian	1.00000	0.00000	2.60000	No	1.00000
525	GLOBAL	Cartesian	1.00000	0.00000	2.80000	No	1.00000
526	GLOBAL	Cartesian	1.00000	0.00000	3.00000	No	1.00000
527	GLOBAL	Cartesian	1.00000	0.00000	3.20000	No	1.00000
528	GLOBAL	Cartesian	1.00000	0.00000	3.40000	No	1.00000
529	GLOBAL	Cartesian	1.00000	0.00000	3.60000	No	1.00000
530	GLOBAL	Cartesian	1.00000	0.00000	3.80000	No	1.00000
531	GLOBAL	Cartesian	1.00000	0.00000	4.00000	No	1.00000
532	GLOBAL	Cartesian	1.00000	0.00000	4.20000	No	1.00000
533	GLOBAL	Cartesian	1.00000	0.00000	4.40000	No	1.00000
534	GLOBAL	Cartesian	1.00000	0.00000	4.60000	No	1.00000
535	GLOBAL	Cartesian	1.00000	0.00000	4.80000	No	1.00000
536	GLOBAL	Cartesian	1.00000	0.00000	5.00000	No	1.00000
537	GLOBAL	Cartesian	1.00000	0.00000	5.20000	No	1.00000
538	GLOBAL	Cartesian	1.00000	0.00000	5.40000	No	1.00000
539	GLOBAL	Cartesian	1.00000	0.00000	5.55000	No	1.00000
540	GLOBAL	Cartesian	1.00000	0.00000	5.80000	No	1.00000
541	GLOBAL	Cartesian	1.00000	0.00000	6.00000	No	1.00000
542	GLOBAL	Cartesian	1.00000	0.00000	6.20000	No	1.00000
543	GLOBAL	Cartesian	1.00000	0.00000	6.40000	No	1.00000
544	GLOBAL	Cartesian	1.00000	0.00000	6.60000	No	1.00000
545	GLOBAL	Cartesian	1.00000	0.00000	6.80000	No	1.00000
546	GLOBAL	Cartesian	1.00000	0.00000	7.00000	No	1.00000
547	GLOBAL	Cartesian	1.00000	0.00000	7.20000	No	1.00000
548	GLOBAL	Cartesian	1.00000	0.00000	7.40000	No	1.00000
549	GLOBAL	Cartesian	1.20000	0.00000	0.20000	No	1.20000
550	GLOBAL	Cartesian	1.20000	0.00000	0.40000	No	1.20000
551	GLOBAL	Cartesian	1.20000	0.00000	0.60000	No	1.20000
552	GLOBAL	Cartesian	1.20000	0.00000	0.80000	No	1.20000
553	GLOBAL	Cartesian	1.20000	0.00000	1.00000	No	1.20000
554	GLOBAL	Cartesian	1.20000	0.00000	1.20000	No	1.20000
555	GLOBAL	Cartesian	1.20000	0.00000	1.40000	No	1.20000
556	GLOBAL	Cartesian	1.20000	0.00000	1.60000	No	1.20000
557	GLOBAL	Cartesian	1.20000	0.00000	1.80000	No	1.20000
558	GLOBAL	Cartesian	1.20000	0.00000	2.00000	No	1.20000
559	GLOBAL	Cartesian	1.20000	0.00000	2.20000	No	1.20000
560	GLOBAL	Cartesian	1.20000	0.00000	2.40000	No	1.20000
561	GLOBAL	Cartesian	1.20000	0.00000	2.60000	No	1.20000
562	GLOBAL	Cartesian	1.20000	0.00000	2.80000	No	1.20000
563	GLOBAL	Cartesian	1.20000	0.00000	3.00000	No	1.20000
564	GLOBAL	Cartesian	1.20000	0.00000	3.20000	No	1.20000
565	GLOBAL	Cartesian	1.20000	0.00000	3.40000	No	1.20000
566	GLOBAL	Cartesian	1.20000	0.00000	3.60000	No	1.20000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

567	GLOBAL	Cartesian	1.20000	0.00000	3.80000	No	1.20000
568	GLOBAL	Cartesian	1.20000	0.00000	4.00000	No	1.20000
569	GLOBAL	Cartesian	1.20000	0.00000	4.20000	No	1.20000
570	GLOBAL	Cartesian	1.20000	0.00000	4.40000	No	1.20000
571	GLOBAL	Cartesian	1.20000	0.00000	4.60000	No	1.20000
572	GLOBAL	Cartesian	1.20000	0.00000	4.80000	No	1.20000
573	GLOBAL	Cartesian	1.20000	0.00000	5.00000	No	1.20000
574	GLOBAL	Cartesian	1.20000	0.00000	5.20000	No	1.20000
575	GLOBAL	Cartesian	1.20000	0.00000	5.40000	No	1.20000
576	GLOBAL	Cartesian	1.20000	0.00000	5.55000	No	1.20000
577	GLOBAL	Cartesian	1.20000	0.00000	5.80000	No	1.20000
578	GLOBAL	Cartesian	1.20000	0.00000	6.00000	No	1.20000
579	GLOBAL	Cartesian	1.20000	0.00000	6.20000	No	1.20000
580	GLOBAL	Cartesian	1.20000	0.00000	6.40000	No	1.20000
581	GLOBAL	Cartesian	1.20000	0.00000	6.60000	No	1.20000
582	GLOBAL	Cartesian	1.20000	0.00000	6.80000	No	1.20000
583	GLOBAL	Cartesian	1.20000	0.00000	7.00000	No	1.20000
584	GLOBAL	Cartesian	1.20000	0.00000	7.20000	No	1.20000
585	GLOBAL	Cartesian	1.20000	0.00000	7.40000	No	1.20000

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
1	0.00000	7.55000	
2	0.00000	7.55000	
3	0.00000	-6.370E-14	
4	0.00000	6.370E-14	
5	0.00000	-2.707E-13	
6	0.00000	7.55000	
7	0.00000	-6.051E-13	
8	0.00000	7.55000	
9	0.00000	-9.395E-13	
10	0.00000	7.55000	
11	0.00000	-1.274E-12	
12	0.00000	7.55000	
13	0.00000	-1.608E-12	
14	0.00000	7.55000	
15	0.00000	-1.943E-12	
16	0.00000	7.55000	
17	0.00000	-2.277E-12	
18	0.00000	7.55000	
19	0.00000	-2.612E-12	
20	0.00000	7.55000	
21	0.00000	-2.946E-12	
22	0.00000	7.55000	
23	0.00000	-3.280E-12	
24	0.00000	7.55000	
25	0.00000	-3.615E-12	
26	0.00000	7.55000	
27	0.00000	-3.949E-12	
28	0.00000	7.55000	
29	0.00000	-4.284E-12	
30	0.00000	7.55000	
31	0.00000	0.20000	
32	0.00000	0.20000	
33	0.00000	0.40000	
34	0.00000	0.40000	
35	0.00000	0.60000	
36	0.00000	0.60000	
37	0.00000	0.80000	
38	0.00000	0.80000	
39	0.00000	1.00000	
40	0.00000	1.00000	
41	0.00000	1.20000	
42	0.00000	1.20000	
43	0.00000	1.40000	

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

44	0.00000	1.40000
45	0.00000	1.60000
46	0.00000	1.60000
47	0.00000	1.80000
48	0.00000	1.80000
49	0.00000	2.00000
50	0.00000	2.00000
51	0.00000	2.20000
52	0.00000	2.20000
53	0.00000	2.40000
54	0.00000	2.40000
55	0.00000	2.60000
56	0.00000	2.60000
57	0.00000	2.80000
58	0.00000	2.80000
59	0.00000	3.00000
60	0.00000	3.00000
61	0.00000	3.20000
62	0.00000	3.20000
63	0.00000	3.40000
64	0.00000	3.40000
65	0.00000	3.60000
66	0.00000	3.60000
67	0.00000	3.80000
68	0.00000	3.80000
69	0.00000	4.00000
70	0.00000	4.00000
71	0.00000	4.20000
72	0.00000	4.20000
73	0.00000	4.40000
74	0.00000	4.40000
75	0.00000	4.60000
76	0.00000	4.60000
77	0.00000	4.80000
78	0.00000	4.80000
79	0.00000	5.00000
80	0.00000	5.00000
81	0.00000	5.20000
82	0.00000	5.20000
83	0.00000	5.40000
84	0.00000	5.40000
85	0.00000	5.55000
86	0.00000	5.55000
87	0.00000	5.80000
88	0.00000	5.80000
89	0.00000	6.00000
90	0.00000	6.00000
91	0.00000	6.20000
92	0.00000	6.20000
93	0.00000	6.40000
94	0.00000	6.40000
95	0.00000	6.60000
96	0.00000	6.60000
97	0.00000	6.80000
98	0.00000	6.80000
99	0.00000	7.00000
100	0.00000	7.00000
101	0.00000	7.20000
102	0.00000	7.20000
103	0.00000	7.40000
104	0.00000	7.40000
105	0.00000	0.20000
106	0.00000	0.40000
107	0.00000	0.60000
108	0.00000	0.80000
109	0.00000	1.00000
110	0.00000	1.20000
111	0.00000	1.40000
112	0.00000	1.60000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

113	0.00000	1.80000
114	0.00000	2.00000
115	0.00000	2.20000
116	0.00000	2.40000
117	0.00000	2.60000
118	0.00000	2.80000
119	0.00000	3.00000
120	0.00000	3.20000
121	0.00000	3.40000
122	0.00000	3.60000
123	0.00000	3.80000
124	0.00000	4.00000
125	0.00000	4.20000
126	0.00000	4.40000
127	0.00000	4.60000
128	0.00000	4.80000
129	0.00000	5.00000
130	0.00000	5.20000
131	0.00000	5.40000
132	0.00000	5.55000
133	0.00000	5.80000
134	0.00000	6.00000
135	0.00000	6.20000
136	0.00000	6.40000
137	0.00000	6.60000
138	0.00000	6.80000
139	0.00000	7.00000
140	0.00000	7.20000
141	0.00000	7.40000
142	0.00000	0.20000
143	0.00000	0.40000
144	0.00000	0.60000
145	0.00000	0.80000
146	0.00000	1.00000
147	0.00000	1.20000
148	0.00000	1.40000
149	0.00000	1.60000
150	0.00000	1.80000
151	0.00000	2.00000
152	0.00000	2.20000
153	0.00000	2.40000
154	0.00000	2.60000
155	0.00000	2.80000
156	0.00000	3.00000
157	0.00000	3.20000
158	0.00000	3.40000
159	0.00000	3.60000
160	0.00000	3.80000
161	0.00000	4.00000
162	0.00000	4.20000
163	0.00000	4.40000
164	0.00000	4.60000
165	0.00000	4.80000
166	0.00000	5.00000
167	0.00000	5.20000
168	0.00000	5.40000
169	0.00000	5.55000
170	0.00000	5.80000
171	0.00000	6.00000
172	0.00000	6.20000
173	0.00000	6.40000
174	0.00000	6.60000
175	0.00000	6.80000
176	0.00000	7.00000
177	0.00000	7.20000
178	0.00000	7.40000
179	0.00000	0.20000
180	0.00000	0.40000
181	0.00000	0.60000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

182	0.00000	0.80000
183	0.00000	1.00000
184	0.00000	1.20000
185	0.00000	1.40000
186	0.00000	1.60000
187	0.00000	1.80000
188	0.00000	2.00000
189	0.00000	2.20000
190	0.00000	2.40000
191	0.00000	2.60000
192	0.00000	2.80000
193	0.00000	3.00000
194	0.00000	3.20000
195	0.00000	3.40000
196	0.00000	3.60000
197	0.00000	3.80000
198	0.00000	4.00000
199	0.00000	4.20000
200	0.00000	4.40000
201	0.00000	4.60000
202	0.00000	4.80000
203	0.00000	5.00000
204	0.00000	5.20000
205	0.00000	5.40000
206	0.00000	5.55000
207	0.00000	5.80000
208	0.00000	6.00000
209	0.00000	6.20000
210	0.00000	6.40000
211	0.00000	6.60000
212	0.00000	6.80000
213	0.00000	7.00000
214	0.00000	7.20000
215	0.00000	7.40000
216	0.00000	0.20000
217	0.00000	0.40000
218	0.00000	0.60000
219	0.00000	0.80000
220	0.00000	1.00000
221	0.00000	1.20000
222	0.00000	1.40000
223	0.00000	1.60000
224	0.00000	1.80000
225	0.00000	2.00000
226	0.00000	2.20000
227	0.00000	2.40000
228	0.00000	2.60000
229	0.00000	2.80000
230	0.00000	3.00000
231	0.00000	3.20000
232	0.00000	3.40000
233	0.00000	3.60000
234	0.00000	3.80000
235	0.00000	4.00000
236	0.00000	4.20000
237	0.00000	4.40000
238	0.00000	4.60000
239	0.00000	4.80000
240	0.00000	5.00000
241	0.00000	5.20000
242	0.00000	5.40000
243	0.00000	5.55000
244	0.00000	5.80000
245	0.00000	6.00000
246	0.00000	6.20000
247	0.00000	6.40000
248	0.00000	6.60000
249	0.00000	6.80000
250	0.00000	7.00000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

251	0.00000	7.20000
252	0.00000	7.40000
253	0.00000	0.20000
254	0.00000	0.40000
255	0.00000	0.60000
256	0.00000	0.80000
257	0.00000	1.00000
258	0.00000	1.20000
259	0.00000	1.40000
260	0.00000	1.60000
261	0.00000	1.80000
262	0.00000	2.00000
263	0.00000	2.20000
264	0.00000	2.40000
265	0.00000	2.60000
266	0.00000	2.80000
267	0.00000	3.00000
268	0.00000	3.20000
269	0.00000	3.40000
270	0.00000	3.60000
271	0.00000	3.80000
272	0.00000	4.00000
273	0.00000	4.20000
274	0.00000	4.40000
275	0.00000	4.60000
276	0.00000	4.80000
277	0.00000	5.00000
278	0.00000	5.20000
279	0.00000	5.40000
280	0.00000	5.55000
281	0.00000	5.80000
282	0.00000	6.00000
283	0.00000	6.20000
284	0.00000	6.40000
285	0.00000	6.60000
286	0.00000	6.80000
287	0.00000	7.00000
288	0.00000	7.20000
289	0.00000	7.40000
290	0.00000	0.20000
291	0.00000	0.40000
292	0.00000	0.60000
293	0.00000	0.80000
294	0.00000	1.00000
295	0.00000	1.20000
296	0.00000	1.40000
297	0.00000	1.60000
298	0.00000	1.80000
299	0.00000	2.00000
300	0.00000	2.20000
301	0.00000	2.40000
302	0.00000	2.60000
303	0.00000	2.80000
304	0.00000	3.00000
305	0.00000	3.20000
306	0.00000	3.40000
307	0.00000	3.60000
308	0.00000	3.80000
309	0.00000	4.00000
310	0.00000	4.20000
311	0.00000	4.40000
312	0.00000	4.60000
313	0.00000	4.80000
314	0.00000	5.00000
315	0.00000	5.20000
316	0.00000	5.40000
317	0.00000	5.55000
318	0.00000	5.80000
319	0.00000	6.00000



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

320	0.00000	6.20000
321	0.00000	6.40000
322	0.00000	6.60000
323	0.00000	6.80000
324	0.00000	7.00000
325	0.00000	7.20000
326	0.00000	7.40000
327	0.00000	0.20000
328	0.00000	0.40000
329	0.00000	0.60000
330	0.00000	0.80000
331	0.00000	1.00000
332	0.00000	1.20000
333	0.00000	1.40000
334	0.00000	1.60000
335	0.00000	1.80000
336	0.00000	2.00000
337	0.00000	2.20000
338	0.00000	2.40000
339	0.00000	2.60000
340	0.00000	2.80000
341	0.00000	3.00000
342	0.00000	3.20000
343	0.00000	3.40000
344	0.00000	3.60000
345	0.00000	3.80000
346	0.00000	4.00000
347	0.00000	4.20000
348	0.00000	4.40000
349	0.00000	4.60000
350	0.00000	4.80000
351	0.00000	5.00000
352	0.00000	5.20000
353	0.00000	5.40000
354	0.00000	5.55000
355	0.00000	5.80000
356	0.00000	6.00000
357	0.00000	6.20000
358	0.00000	6.40000
359	0.00000	6.60000
360	0.00000	6.80000
361	0.00000	7.00000
362	0.00000	7.20000
363	0.00000	7.40000
364	0.00000	0.20000
365	0.00000	0.40000
366	0.00000	0.60000
367	0.00000	0.80000
368	0.00000	1.00000
369	0.00000	1.20000
370	0.00000	1.40000
371	0.00000	1.60000
372	0.00000	1.80000
373	0.00000	2.00000
374	0.00000	2.20000
375	0.00000	2.40000
376	0.00000	2.60000
377	0.00000	2.80000
378	0.00000	3.00000
379	0.00000	3.20000
380	0.00000	3.40000
381	0.00000	3.60000
382	0.00000	3.80000
383	0.00000	4.00000
384	0.00000	4.20000
385	0.00000	4.40000
386	0.00000	4.60000
387	0.00000	4.80000
388	0.00000	5.00000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

389	0.00000	5.20000
390	0.00000	5.40000
391	0.00000	5.55000
392	0.00000	5.80000
393	0.00000	6.00000
394	0.00000	6.20000
395	0.00000	6.40000
396	0.00000	6.60000
397	0.00000	6.80000
398	0.00000	7.00000
399	0.00000	7.20000
400	0.00000	7.40000
401	0.00000	0.20000
402	0.00000	0.40000
403	0.00000	0.60000
404	0.00000	0.80000
405	0.00000	1.00000
406	0.00000	1.20000
407	0.00000	1.40000
408	0.00000	1.60000
409	0.00000	1.80000
410	0.00000	2.00000
411	0.00000	2.20000
412	0.00000	2.40000
413	0.00000	2.60000
414	0.00000	2.80000
415	0.00000	3.00000
416	0.00000	3.20000
417	0.00000	3.40000
418	0.00000	3.60000
419	0.00000	3.80000
420	0.00000	4.00000
421	0.00000	4.20000
422	0.00000	4.40000
423	0.00000	4.60000
424	0.00000	4.80000
425	0.00000	5.00000
426	0.00000	5.20000
427	0.00000	5.40000
428	0.00000	5.55000
429	0.00000	5.80000
430	0.00000	6.00000
431	0.00000	6.20000
432	0.00000	6.40000
433	0.00000	6.60000
434	0.00000	6.80000
435	0.00000	7.00000
436	0.00000	7.20000
437	0.00000	7.40000
438	0.00000	0.20000
439	0.00000	0.40000
440	0.00000	0.60000
441	0.00000	0.80000
442	0.00000	1.00000
443	0.00000	1.20000
444	0.00000	1.40000
445	0.00000	1.60000
446	0.00000	1.80000
447	0.00000	2.00000
448	0.00000	2.20000
449	0.00000	2.40000
450	0.00000	2.60000
451	0.00000	2.80000
452	0.00000	3.00000
453	0.00000	3.20000
454	0.00000	3.40000
455	0.00000	3.60000
456	0.00000	3.80000
457	0.00000	4.00000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

458	0.00000	4.20000
459	0.00000	4.40000
460	0.00000	4.60000
461	0.00000	4.80000
462	0.00000	5.00000
463	0.00000	5.20000
464	0.00000	5.40000
465	0.00000	5.55000
466	0.00000	5.80000
467	0.00000	6.00000
468	0.00000	6.20000
469	0.00000	6.40000
470	0.00000	6.60000
471	0.00000	6.80000
472	0.00000	7.00000
473	0.00000	7.20000
474	0.00000	7.40000
475	0.00000	0.20000
476	0.00000	0.40000
477	0.00000	0.60000
478	0.00000	0.80000
479	0.00000	1.00000
480	0.00000	1.20000
481	0.00000	1.40000
482	0.00000	1.60000
483	0.00000	1.80000
484	0.00000	2.00000
485	0.00000	2.20000
486	0.00000	2.40000
487	0.00000	2.60000
488	0.00000	2.80000
489	0.00000	3.00000
490	0.00000	3.20000
491	0.00000	3.40000
492	0.00000	3.60000
493	0.00000	3.80000
494	0.00000	4.00000
495	0.00000	4.20000
496	0.00000	4.40000
497	0.00000	4.60000
498	0.00000	4.80000
499	0.00000	5.00000
500	0.00000	5.20000
501	0.00000	5.40000
502	0.00000	5.55000
503	0.00000	5.80000
504	0.00000	6.00000
505	0.00000	6.20000
506	0.00000	6.40000
507	0.00000	6.60000
508	0.00000	6.80000
509	0.00000	7.00000
510	0.00000	7.20000
511	0.00000	7.40000
512	0.00000	0.20000
513	0.00000	0.40000
514	0.00000	0.60000
515	0.00000	0.80000
516	0.00000	1.00000
517	0.00000	1.20000
518	0.00000	1.40000
519	0.00000	1.60000
520	0.00000	1.80000
521	0.00000	2.00000
522	0.00000	2.20000
523	0.00000	2.40000
524	0.00000	2.60000
525	0.00000	2.80000
526	0.00000	3.00000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

527	0.00000	3.20000
528	0.00000	3.40000
529	0.00000	3.60000
530	0.00000	3.80000
531	0.00000	4.00000
532	0.00000	4.20000
533	0.00000	4.40000
534	0.00000	4.60000
535	0.00000	4.80000
536	0.00000	5.00000
537	0.00000	5.20000
538	0.00000	5.40000
539	0.00000	5.55000
540	0.00000	5.80000
541	0.00000	6.00000
542	0.00000	6.20000
543	0.00000	6.40000
544	0.00000	6.60000
545	0.00000	6.80000
546	0.00000	7.00000
547	0.00000	7.20000
548	0.00000	7.40000
549	0.00000	0.20000
550	0.00000	0.40000
551	0.00000	0.60000
552	0.00000	0.80000
553	0.00000	1.00000
554	0.00000	1.20000
555	0.00000	1.40000
556	0.00000	1.60000
557	0.00000	1.80000
558	0.00000	2.00000
559	0.00000	2.20000
560	0.00000	2.40000
561	0.00000	2.60000
562	0.00000	2.80000
563	0.00000	3.00000
564	0.00000	3.20000
565	0.00000	3.40000
566	0.00000	3.60000
567	0.00000	3.80000
568	0.00000	4.00000
569	0.00000	4.20000
570	0.00000	4.40000
571	0.00000	4.60000
572	0.00000	4.80000
573	0.00000	5.00000
574	0.00000	5.20000
575	0.00000	5.40000
576	0.00000	5.55000
577	0.00000	5.80000
578	0.00000	6.00000
579	0.00000	6.20000
580	0.00000	6.40000
581	0.00000	6.60000
582	0.00000	6.80000
583	0.00000	7.00000
584	0.00000	7.20000
585	0.00000	7.40000

Table: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	DesTypeOpt	DesignType	AutoType
STATICA	LinStatic	Zero			Prog Det	DEAD	None
SISMICA	LinStatic	Zero			Prog Det	DEAD	None
LOAD	LinStatic	Zero			Prog Det	DEAD	None

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

SOVRAC                      LinStatic                      Zero    Prog Det                      DEAD                      None

Table: Load Case Definitions, Part 2 of 2

Case	RunCase	CaseStatus	GUID	Notes
STATICA	Yes	Finished		
SISMICA	Yes	Finished		
LOAD	Yes	Finished		
SOVRAC	Yes	Finished		

Table: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
STATICA	DEAD	0.000000			
SISMICA	DEAD	0.000000			
LOAD	DEAD	1.000000			
SOVRAC STATICO	DEAD	0.000000			

Table: Material Properties 03b - Concrete Data

Material	Fc KN/m2	LtWtConc	SSCurveOpt	SSHysType	FAngle Degrees	DAngle Degrees
C32/40	27579.00		No User Defined	Kinematic	0.000	0.000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**TABULATI DI INPUT E OUTPUT POZZETTO TIPO 2**

SAP2000 v14.0.0 4/19/22 18:05:49

Table: Area Loads - Gravity

Area	LoadPat	CoordSys	MultiplierX	MultiplierY	MultiplierZ
3	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
4	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
5	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
6	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
7	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
8	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
9	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
10	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
11	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
12	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
13	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
14	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
15	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
16	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
17	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
18	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
19	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
20	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
21	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
22	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
23	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
24	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
25	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
26	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
27	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
28	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
29	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
30	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
31	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
32	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
33	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
34	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
35	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
36	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
37	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
38	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
39	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
40	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
41	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
42	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
43	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
44	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
45	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
46	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
47	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
48	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
49	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
50	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
51	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
52	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
53	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
54	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
55	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
56	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
57	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
58	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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61	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
62	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

63	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
64	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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131	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

132	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

271	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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447	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
448	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
449	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

450	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
451	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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517	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
518	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

519	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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586	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
587	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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655	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
656	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

657	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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767	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
768	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
769	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
770	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
771	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
772	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
773	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
774	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
775	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
776	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
777	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
778	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
779	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
780	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
781	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
782	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
783	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
784	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
785	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
786	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
787	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
788	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
790	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
791	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
792	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
793	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
794	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
795	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
796	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
797	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
798	SISMICA	GLOBAL	0.000000	-0.363000	0.000000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

799	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
800	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
801	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
802	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
803	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
804	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
805	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
806	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
807	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
808	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
809	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
810	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
811	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
812	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
813	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
814	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
815	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
816	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
817	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
818	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
819	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
820	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
822	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
823	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
824	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
825	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
826	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
827	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
828	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
829	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
830	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
831	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
832	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
833	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
834	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
835	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
836	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
837	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
838	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
839	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
840	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
841	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
842	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
843	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
844	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
845	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
846	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
847	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
848	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
849	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
850	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
851	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
853	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
854	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
855	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
856	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
857	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
858	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
859	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
860	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
861	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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863	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
864	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
865	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
866	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
867	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
868	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
869	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

870	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
871	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
872	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
873	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
874	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
875	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
876	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
877	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
878	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
879	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
880	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
881	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
883	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
884	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
885	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
886	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
887	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
888	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
889	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
890	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
891	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
892	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
893	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
894	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
895	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
896	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
897	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
898	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
899	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
900	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
901	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
902	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
903	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
904	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
905	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
906	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
907	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
908	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
909	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
910	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
912	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
913	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
914	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
915	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
916	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
917	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
918	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
919	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
920	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
921	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
922	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
923	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
924	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
925	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
926	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
927	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
928	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
929	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
930	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
931	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
932	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
933	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
934	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
935	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
936	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
937	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
938	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
940	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
941	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

942	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
943	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
944	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
945	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
946	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
947	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
948	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
949	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
950	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
951	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
952	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
953	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
954	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
955	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
956	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
957	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
958	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
959	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
960	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
961	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
962	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
963	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
964	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
965	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
967	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
968	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
969	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
970	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
971	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
972	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
973	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
974	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
975	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
976	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
977	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
978	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
979	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
980	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
981	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
982	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
983	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
984	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
985	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
986	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
987	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
988	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
989	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
990	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
991	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
993	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
994	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
995	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
996	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
997	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
998	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
999	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1000	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1001	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1002	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1003	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1004	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1005	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1006	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1007	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1008	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1009	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1010	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1011	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1012	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1013	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1014	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1015	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1016	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1018	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1019	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1020	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1021	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1022	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1023	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1024	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1025	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1026	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1027	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1028	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1029	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1030	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1031	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1032	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1033	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1035	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1036	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1037	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1038	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1039	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1040	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1042	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1043	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1044	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1045	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1047	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1049	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1051	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1053	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1054	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1055	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1059	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1060	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1061	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1062	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1063	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1065	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1066	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1067	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1068	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1069	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1070	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1071	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1072	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1073	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1074	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1075	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1076	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1077	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1078	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1079	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1080	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1081	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1082	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1083	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1084	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1085	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1087	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1088	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1089	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1090	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1091	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1092	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1093	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1094	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1095	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1096	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1097	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1098	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1099	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1100	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1101	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1102	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1103	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1104	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1105	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1106	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1108	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1109	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1110	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1111	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1112	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1113	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1114	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1115	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1116	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1117	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1118	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1119	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1120	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1121	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1122	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1123	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1124	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1125	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1126	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1128	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1129	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1130	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1131	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1132	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1133	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1134	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1135	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1136	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1137	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1138	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1139	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1140	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1141	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1142	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1143	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1144	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1145	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1147	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1148	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1149	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1150	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1151	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1152	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1153	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1154	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1155	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1156	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1157	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1158	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1159	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1160	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1161	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1162	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1163	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1165	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1166	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1167	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1168	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1169	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1170	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1171	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1172	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1173	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1174	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1175	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1176	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1177	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1178	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1179	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1180	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1182	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1183	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1184	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1185	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1186	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1187	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1188	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1189	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1190	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1191	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1192	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1193	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1194	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1195	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1196	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1198	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1199	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1200	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1201	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1202	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1203	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1204	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1205	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1206	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1207	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1208	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1209	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1210	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1211	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1213	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1214	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1215	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1216	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1217	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1218	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1219	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1220	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1221	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1222	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1223	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1224	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1225	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1227	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1228	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1229	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1230	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1231	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1232	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1233	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1234	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1235	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1236	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1237	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1238	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1239	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1240	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1241	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1242	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1243	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1244	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1245	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1246	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1247	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1248	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1249	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1250	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1251	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1252	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1253	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1254	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1255	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1256	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1257	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1258	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1259	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1260	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1261	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1262	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1263	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1264	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1265	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1266	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1267	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1268	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1269	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1270	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1271	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1272	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1273	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1274	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1275	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1276	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1277	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1278	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1279	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1280	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1281	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1282	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1283	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1284	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1285	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1286	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1287	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1288	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1289	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1290	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1291	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1292	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1293	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1294	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1295	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1296	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1297	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1298	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1299	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1300	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1301	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1302	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1303	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1304	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1305	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1306	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1307	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1308	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1309	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1310	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1311	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1312	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1313	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1314	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1315	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1316	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1317	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1318	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1319	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1320	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1321	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1322	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1323	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1324	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1325	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1326	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1327	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1328	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1329	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1330	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1331	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1332	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1333	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1334	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1335	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1336	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1337	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1338	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1339	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1340	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1341	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1342	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1343	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1345	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1346	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1347	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1348	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1349	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1350	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1351	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1352	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1353	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1354	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1355	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1356	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1357	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1358	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1359	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1360	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1361	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1362	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1363	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1364	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1365	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1366	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1367	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1368	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1369	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1370	SISMICA	GLOBAL	0.000000	-0.363000	0.000000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1371	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1372	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1373	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1374	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1375	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1376	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1377	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1378	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1379	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1390	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1540	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1541	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1542	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1543	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1544	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1545	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1546	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1547	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1548	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1549	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1550	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1551	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1552	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1553	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1554	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1555	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1556	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1557	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1558	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1559	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1562	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1564	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1569	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1570	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1571	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1572	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1573	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1574	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1576	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1577	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1578	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1579	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1580	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1581	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1582	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1583	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1584	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1589	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
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1591	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1592	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1593	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1594	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1595	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1596	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1597	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1598	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1599	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1600	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1601	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1602	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1603	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1604	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1605	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1606	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1607	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1608	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1609	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1610	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1611	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1612	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1613	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1614	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1615	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1616	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1617	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1618	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1619	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1620	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1621	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1622	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1623	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1624	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1625	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1626	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1627	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1628	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1629	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1630	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1631	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1632	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1633	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1634	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1635	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1636	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1637	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1638	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1639	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1640	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1641	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1642	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1643	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1644	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1645	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1646	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1647	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1648	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1649	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1650	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1651	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1652	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1653	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1654	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1655	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1656	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1657	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1658	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1659	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1660	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1661	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1662	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1663	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1664	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1665	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1666	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1667	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1668	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1669	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1670	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1671	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1672	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1673	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1674	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1675	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1676	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1677	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1678	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1679	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1680	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1681	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1682	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1683	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1684	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1685	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1686	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1687	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1688	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1689	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1690	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1691	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1692	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1693	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1694	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1695	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1696	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1697	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1698	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1699	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1700	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1701	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1702	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1703	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1704	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1705	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1706	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1707	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1708	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1709	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1710	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1711	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1712	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1713	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1714	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1715	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1716	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1717	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1718	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1719	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1720	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1721	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1722	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1723	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1724	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1725	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1726	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1727	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1728	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1729	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1730	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1731	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1732	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1733	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1734	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1735	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1736	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1737	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1738	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1739	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1740	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1741	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1742	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1743	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1744	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1745	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1746	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1747	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1748	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1749	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1750	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1751	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1752	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1753	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1754	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1755	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1756	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1757	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1758	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1759	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1760	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1761	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1762	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1763	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1764	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1765	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1766	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1767	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1768	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1769	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1770	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1771	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1772	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1773	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1774	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1775	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1776	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1777	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1778	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1779	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1780	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1781	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1782	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1783	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1784	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1785	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1786	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1787	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1788	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1789	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1790	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1791	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1792	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1793	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1794	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1795	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1796	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1797	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1798	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1799	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1800	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1801	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1802	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1803	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1804	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1805	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1806	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1807	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1808	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1809	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1810	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1811	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1812	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1813	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1814	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1815	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1816	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1817	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1818	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1819	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1820	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1821	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1822	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1823	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1824	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1825	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1826	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1827	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1828	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1829	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1830	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1831	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1832	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1833	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1834	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1835	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1836	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1837	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1838	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1839	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1840	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1841	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1842	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1843	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1844	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1845	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1846	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1847	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1848	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1849	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1850	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1851	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1852	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1853	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1854	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1855	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1856	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1857	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1858	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1859	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1860	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1861	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1862	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1863	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1864	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1865	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1866	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1867	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1868	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1869	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1870	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1871	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1872	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1873	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1874	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1875	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1876	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1877	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1878	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1879	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1880	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1881	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1882	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1883	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1884	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1885	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1886	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1887	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1888	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1889	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1890	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1891	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1892	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1893	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1894	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1895	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1896	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1897	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1898	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1899	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1900	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1901	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1902	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1903	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1904	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1905	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1906	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1907	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1908	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1909	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1910	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1911	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1912	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1913	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1914	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1915	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1916	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1917	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1918	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1919	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1920	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1921	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1922	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1923	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1924	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1925	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1926	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1927	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1928	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1929	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1930	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1931	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1932	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1933	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1934	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1935	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1936	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1937	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1938	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1939	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1940	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1941	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1942	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1943	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1944	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1945	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1946	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1947	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1948	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1949	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1950	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1951	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1952	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1953	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1954	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1955	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1956	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1957	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1958	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1959	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1960	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1961	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1962	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1963	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1964	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1965	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1966	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1967	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1968	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1969	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1970	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1971	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1972	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1973	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1974	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1975	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1976	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1977	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1978	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1979	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1980	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1981	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1982	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1983	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1984	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1985	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1986	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1987	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1988	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1989	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1990	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1991	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1992	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1993	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1994	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1995	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1996	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1997	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1998	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
1999	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2000	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2001	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2002	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2003	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2004	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2005	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2006	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2007	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2008	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2009	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2010	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2011	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2012	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2013	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2014	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2015	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2016	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2017	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2018	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2019	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2020	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2021	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2022	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2023	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2024	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2025	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2026	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2027	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2028	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2029	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2030	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2031	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2032	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2033	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2034	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2035	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2036	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2037	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2038	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2039	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2040	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2041	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2042	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2043	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2044	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2045	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2046	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2047	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2048	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2049	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2050	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2051	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2052	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2053	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2054	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2055	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2056	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2057	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2058	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2059	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2060	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2061	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2062	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2063	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2064	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2065	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2066	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2067	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2068	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2069	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2070	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2071	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2072	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2073	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2074	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2075	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2076	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2077	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2078	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2079	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2080	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2081	SISMICA	GLOBAL	0.000000	-0.363000	0.000000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2082	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2083	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2084	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2085	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2086	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2087	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2088	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2089	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2090	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2091	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2092	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2093	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2094	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2095	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2096	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2097	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2098	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2099	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2100	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2101	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2102	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2103	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2104	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2105	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2106	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2107	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2108	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2109	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2110	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2111	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2112	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2113	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2114	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2115	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2116	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2117	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2118	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2119	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2120	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2121	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2122	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2123	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2124	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2125	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2126	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2127	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2128	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2129	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2130	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2131	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2132	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2133	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2134	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2135	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2136	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2137	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2138	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2139	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2140	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2141	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2142	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2143	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2144	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2145	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2146	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2147	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2148	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2149	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2150	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2151	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2152	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2153	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2154	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2155	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2156	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2157	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2158	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2159	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2160	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2161	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2162	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2163	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2164	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2165	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2166	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2167	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2168	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2169	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2170	SISMICA	GLOBAL	0.000000	-0.363000	0.000000
2171	SISMICA	GLOBAL	0.000000	-0.363000	0.000000

Table: Area Loads - Surface Pressure

Area	LoadPat	Face	Pressure KN/m2	JtPattern
3	STATICA	Top	-1.00	STATICA
4	STATICA	Top	-1.00	STATICA
5	STATICA	Top	-1.00	STATICA
6	STATICA	Top	-1.00	STATICA
7	STATICA	Top	-1.00	STATICA
8	STATICA	Top	-1.00	STATICA
9	STATICA	Top	-1.00	STATICA
10	STATICA	Top	-1.00	STATICA
11	STATICA	Top	-1.00	STATICA
12	STATICA	Top	-1.00	STATICA
13	STATICA	Top	-1.00	STATICA
14	STATICA	Top	-1.00	STATICA
15	STATICA	Top	-1.00	STATICA
16	STATICA	Top	-1.00	STATICA
17	STATICA	Top	-1.00	STATICA
18	STATICA	Top	-1.00	STATICA
19	STATICA	Top	-1.00	STATICA
20	STATICA	Top	-1.00	STATICA
21	STATICA	Top	-1.00	STATICA
22	STATICA	Top	-1.00	STATICA
23	STATICA	Top	-1.00	STATICA
24	STATICA	Top	-1.00	STATICA
25	STATICA	Top	-1.00	STATICA
26	STATICA	Top	-1.00	STATICA
27	STATICA	Top	-1.00	STATICA
28	STATICA	Top	-1.00	STATICA
29	STATICA	Top	-1.00	STATICA
30	STATICA	Top	-1.00	STATICA
31	STATICA	Top	-1.00	STATICA
32	STATICA	Top	-1.00	STATICA
33	STATICA	Top	-1.00	STATICA
34	STATICA	Top	-1.00	STATICA
35	STATICA	Top	-1.00	STATICA
36	STATICA	Top	-1.00	STATICA
37	STATICA	Top	-1.00	STATICA
38	STATICA	Top	-1.00	STATICA
39	STATICA	Top	-1.00	STATICA
40	STATICA	Top	-1.00	STATICA
41	STATICA	Top	-1.00	STATICA
42	STATICA	Top	-1.00	STATICA
43	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

44	STATICA	Top	-1.00	STATICA
45	STATICA	Top	-1.00	STATICA
46	STATICA	Top	-1.00	STATICA
47	STATICA	Top	-1.00	STATICA
48	STATICA	Top	-1.00	STATICA
49	STATICA	Top	-1.00	STATICA
50	STATICA	Top	-1.00	STATICA
51	STATICA	Top	-1.00	STATICA
52	STATICA	Top	-1.00	STATICA
53	STATICA	Top	-1.00	STATICA
54	STATICA	Top	-1.00	STATICA
55	STATICA	Top	-1.00	STATICA
56	STATICA	Top	-1.00	STATICA
57	STATICA	Top	-1.00	STATICA
58	STATICA	Top	-1.00	STATICA
59	STATICA	Top	-1.00	STATICA
60	STATICA	Top	-1.00	STATICA
61	STATICA	Top	-1.00	STATICA
62	STATICA	Top	-1.00	STATICA
63	STATICA	Top	-1.00	STATICA
64	STATICA	Top	-1.00	STATICA
65	STATICA	Top	-1.00	STATICA
66	STATICA	Top	-1.00	STATICA
67	STATICA	Top	-1.00	STATICA
68	STATICA	Top	-1.00	STATICA
69	STATICA	Top	-1.00	STATICA
70	STATICA	Top	-1.00	STATICA
71	STATICA	Top	-1.00	STATICA
72	STATICA	Top	-1.00	STATICA
73	STATICA	Top	-1.00	STATICA
74	STATICA	Top	-1.00	STATICA
75	STATICA	Top	-1.00	STATICA
76	STATICA	Top	-1.00	STATICA
77	STATICA	Top	-1.00	STATICA
78	STATICA	Top	-1.00	STATICA
79	STATICA	Top	-1.00	STATICA
80	STATICA	Top	-1.00	STATICA
81	STATICA	Top	-1.00	STATICA
82	STATICA	Top	-1.00	STATICA
83	STATICA	Top	-1.00	STATICA
84	STATICA	Top	-1.00	STATICA
85	STATICA	Top	-1.00	STATICA
86	STATICA	Top	-1.00	STATICA
87	STATICA	Top	-1.00	STATICA
88	STATICA	Top	-1.00	STATICA
89	STATICA	Top	-1.00	STATICA
90	STATICA	Top	-1.00	STATICA
91	STATICA	Top	-1.00	STATICA
92	STATICA	Top	-1.00	STATICA
93	STATICA	Top	-1.00	STATICA
94	STATICA	Top	-1.00	STATICA
95	STATICA	Top	-1.00	STATICA
96	STATICA	Top	-1.00	STATICA
97	STATICA	Top	-1.00	STATICA
98	STATICA	Top	-1.00	STATICA
99	STATICA	Top	-1.00	STATICA
100	STATICA	Top	-1.00	STATICA
101	STATICA	Top	-1.00	STATICA
102	STATICA	Top	-1.00	STATICA
103	STATICA	Top	-1.00	STATICA
104	STATICA	Top	-1.00	STATICA
105	STATICA	Top	-1.00	STATICA
106	STATICA	Top	-1.00	STATICA
107	STATICA	Top	-1.00	STATICA
108	STATICA	Top	-1.00	STATICA
109	STATICA	Top	-1.00	STATICA
110	STATICA	Top	-1.00	STATICA
111	STATICA	Top	-1.00	STATICA
112	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

113	STATICA	Top	-1.00	STATICA
114	STATICA	Top	-1.00	STATICA
115	STATICA	Top	-1.00	STATICA
116	STATICA	Top	-1.00	STATICA
117	STATICA	Top	-1.00	STATICA
118	STATICA	Top	-1.00	STATICA
119	STATICA	Top	-1.00	STATICA
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121	STATICA	Top	-1.00	STATICA
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177	STATICA	Top	-1.00	STATICA
178	STATICA	Top	-1.00	STATICA
179	STATICA	Top	-1.00	STATICA
180	STATICA	Top	-1.00	STATICA
181	STATICA	Top	-1.00	STATICA
182	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

183	STATICA	Top	-1.00	STATICA
184	STATICA	Top	-1.00	STATICA
185	STATICA	Top	-1.00	STATICA
186	STATICA	Top	-1.00	STATICA
187	STATICA	Top	-1.00	STATICA
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248	STATICA	Top	-1.00	STATICA
249	STATICA	Top	-1.00	STATICA
250	STATICA	Top	-1.00	STATICA
251	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

252	STATICA	Top	-1.00	STATICA
253	STATICA	Top	-1.00	STATICA
254	STATICA	Top	-1.00	STATICA
255	STATICA	Top	-1.00	STATICA
256	STATICA	Top	-1.00	STATICA
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314	STATICA	Top	-1.00	STATICA
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318	STATICA	Top	-1.00	STATICA
319	STATICA	Top	-1.00	STATICA
320	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

321	STATICA	Top	-1.00	STATICA
322	STATICA	Top	-1.00	STATICA
323	STATICA	Top	-1.00	STATICA
324	STATICA	Top	-1.00	STATICA
325	STATICA	Top	-1.00	STATICA
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427	STATICA	Top	-1.00	STATICA
428	STATICA	Top	-1.00	STATICA
429	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

430	STATICA	Top	-1.00	STATICA
431	STATICA	Top	-1.00	STATICA
432	STATICA	Top	-1.00	STATICA
433	STATICA	Top	-1.00	STATICA
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497	STATICA	Top	-1.00	STATICA
498	STATICA	Top	-1.00	STATICA
499	STATICA	Top	-1.00	STATICA



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

500	STATICA	Top	-1.00	STATICA
501	STATICA	Top	-1.00	STATICA
502	STATICA	Top	-1.00	STATICA
503	STATICA	Top	-1.00	STATICA
504	STATICA	Top	-1.00	STATICA
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566	STATICA	Top	-1.00	STATICA
567	STATICA	Top	-1.00	STATICA
568	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

569	STATICA	Top	-1.00	STATICA
570	STATICA	Top	-1.00	STATICA
571	STATICA	Top	-1.00	STATICA
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636	STATICA	Top	-1.00	STATICA
637	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

638	STATICA	Top	-1.00	STATICA
639	STATICA	Top	-1.00	STATICA
640	STATICA	Top	-1.00	STATICA
641	STATICA	Top	-1.00	STATICA
642	STATICA	Top	-1.00	STATICA
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644	STATICA	Top	-1.00	STATICA
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700	STATICA	Top	-1.00	STATICA
701	STATICA	Top	-1.00	STATICA
702	STATICA	Top	-1.00	STATICA
703	STATICA	Top	-1.00	STATICA
704	STATICA	Top	-1.00	STATICA
705	STATICA	Top	-1.00	STATICA
706	STATICA	Top	-1.00	STATICA
707	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

708	STATICA	Top	-1.00	STATICA
709	STATICA	Top	-1.00	STATICA
710	STATICA	Top	-1.00	STATICA
711	STATICA	Top	-1.00	STATICA
712	STATICA	Top	-1.00	STATICA
713	STATICA	Top	-1.00	STATICA
714	STATICA	Top	-1.00	STATICA
715	STATICA	Top	-1.00	STATICA
716	STATICA	Top	-1.00	STATICA
717	STATICA	Top	-1.00	STATICA
718	STATICA	Top	-1.00	STATICA
719	STATICA	Top	-1.00	STATICA
720	STATICA	Top	-1.00	STATICA
721	STATICA	Top	-1.00	STATICA
723	STATICA	Top	-1.00	STATICA
724	STATICA	Top	-1.00	STATICA
725	STATICA	Top	-1.00	STATICA
726	STATICA	Top	-1.00	STATICA
727	STATICA	Top	-1.00	STATICA
728	STATICA	Top	-1.00	STATICA
729	STATICA	Top	-1.00	STATICA
730	STATICA	Top	-1.00	STATICA
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775	STATICA	Top	-1.00	STATICA
776	STATICA	Top	-1.00	STATICA
777	STATICA	Top	-1.00	STATICA
778	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

779	STATICA	Top	-1.00	STATICA
780	STATICA	Top	-1.00	STATICA
781	STATICA	Top	-1.00	STATICA
782	STATICA	Top	-1.00	STATICA
783	STATICA	Top	-1.00	STATICA
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785	STATICA	Top	-1.00	STATICA
786	STATICA	Top	-1.00	STATICA
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845	STATICA	Top	-1.00	STATICA
846	STATICA	Top	-1.00	STATICA
847	STATICA	Top	-1.00	STATICA
848	STATICA	Top	-1.00	STATICA
849	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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851	STATICA	Top	-1.00	STATICA
853	STATICA	Top	-1.00	STATICA
854	STATICA	Top	-1.00	STATICA
855	STATICA	Top	-1.00	STATICA
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918	STATICA	Top	-1.00	STATICA
919	STATICA	Top	-1.00	STATICA
920	STATICA	Top	-1.00	STATICA
921	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

922	STATICA	Top	-1.00	STATICA
923	STATICA	Top	-1.00	STATICA
924	STATICA	Top	-1.00	STATICA
925	STATICA	Top	-1.00	STATICA
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943	STATICA	Top	-1.00	STATICA
944	STATICA	Top	-1.00	STATICA
945	STATICA	Top	-1.00	STATICA
946	STATICA	Top	-1.00	STATICA
947	STATICA	Top	-1.00	STATICA
948	STATICA	Top	-1.00	STATICA
949	STATICA	Top	-1.00	STATICA
950	STATICA	Top	-1.00	STATICA
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980	STATICA	Top	-1.00	STATICA
981	STATICA	Top	-1.00	STATICA
982	STATICA	Top	-1.00	STATICA
983	STATICA	Top	-1.00	STATICA
984	STATICA	Top	-1.00	STATICA
985	STATICA	Top	-1.00	STATICA
986	STATICA	Top	-1.00	STATICA
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988	STATICA	Top	-1.00	STATICA
989	STATICA	Top	-1.00	STATICA
990	STATICA	Top	-1.00	STATICA
991	STATICA	Top	-1.00	STATICA
993	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

994	STATICA	Top	-1.00	STATICA
995	STATICA	Top	-1.00	STATICA
996	STATICA	Top	-1.00	STATICA
997	STATICA	Top	-1.00	STATICA
998	STATICA	Top	-1.00	STATICA
999	STATICA	Top	-1.00	STATICA
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1001	STATICA	Top	-1.00	STATICA
1002	STATICA	Top	-1.00	STATICA
1003	STATICA	Top	-1.00	STATICA
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1013	STATICA	Top	-1.00	STATICA
1014	STATICA	Top	-1.00	STATICA
1015	STATICA	Top	-1.00	STATICA
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1018	STATICA	Top	-1.00	STATICA
1019	STATICA	Top	-1.00	STATICA
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1061	STATICA	Top	-1.00	STATICA
1062	STATICA	Top	-1.00	STATICA
1063	STATICA	Top	-1.00	STATICA
1065	STATICA	Top	-1.00	STATICA



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1066	STATICA	Top	-1.00	STATICA
1067	STATICA	Top	-1.00	STATICA
1068	STATICA	Top	-1.00	STATICA
1069	STATICA	Top	-1.00	STATICA
1070	STATICA	Top	-1.00	STATICA
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1080	STATICA	Top	-1.00	STATICA
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1082	STATICA	Top	-1.00	STATICA
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1101	STATICA	Top	-1.00	STATICA
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1133	STATICA	Top	-1.00	STATICA
1134	STATICA	Top	-1.00	STATICA
1135	STATICA	Top	-1.00	STATICA
1136	STATICA	Top	-1.00	STATICA
1137	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1138	STATICA	Top	-1.00	STATICA
1139	STATICA	Top	-1.00	STATICA
1140	STATICA	Top	-1.00	STATICA
1141	STATICA	Top	-1.00	STATICA
1142	STATICA	Top	-1.00	STATICA
1143	STATICA	Top	-1.00	STATICA
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1149	STATICA	Top	-1.00	STATICA
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1151	STATICA	Top	-1.00	STATICA
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1171	STATICA	Top	-1.00	STATICA
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1173	STATICA	Top	-1.00	STATICA
1174	STATICA	Top	-1.00	STATICA
1175	STATICA	Top	-1.00	STATICA
1176	STATICA	Top	-1.00	STATICA
1177	STATICA	Top	-1.00	STATICA
1178	STATICA	Top	-1.00	STATICA
1179	STATICA	Top	-1.00	STATICA
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1194	STATICA	Top	-1.00	STATICA
1195	STATICA	Top	-1.00	STATICA
1196	STATICA	Top	-1.00	STATICA
1198	STATICA	Top	-1.00	STATICA
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1202	STATICA	Top	-1.00	STATICA
1203	STATICA	Top	-1.00	STATICA
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1206	STATICA	Top	-1.00	STATICA
1207	STATICA	Top	-1.00	STATICA
1208	STATICA	Top	-1.00	STATICA
1209	STATICA	Top	-1.00	STATICA
1210	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1211	STATICA	Top	-1.00	STATICA
1213	STATICA	Top	-1.00	STATICA
1214	STATICA	Top	-1.00	STATICA
1215	STATICA	Top	-1.00	STATICA
1216	STATICA	Top	-1.00	STATICA
1217	STATICA	Top	-1.00	STATICA
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1222	STATICA	Top	-1.00	STATICA
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1253	STATICA	Top	-1.00	STATICA
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1263	STATICA	Top	-1.00	STATICA
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1265	STATICA	Top	-1.00	STATICA
1266	STATICA	Top	-1.00	STATICA
1267	STATICA	Top	-1.00	STATICA
1268	STATICA	Top	-1.00	STATICA
1269	STATICA	Top	-1.00	STATICA
1270	STATICA	Top	-1.00	STATICA
1271	STATICA	Top	-1.00	STATICA
1272	STATICA	Top	-1.00	STATICA
1273	STATICA	Top	-1.00	STATICA
1274	STATICA	Top	-1.00	STATICA
1275	STATICA	Top	-1.00	STATICA
1276	STATICA	Top	-1.00	STATICA
1277	STATICA	Top	-1.00	STATICA
1278	STATICA	Top	-1.00	STATICA
1279	STATICA	Top	-1.00	STATICA
1280	STATICA	Top	-1.00	STATICA
1281	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1282	STATICA	Top	-1.00	STATICA
1283	STATICA	Top	-1.00	STATICA
1284	STATICA	Top	-1.00	STATICA
1285	STATICA	Top	-1.00	STATICA
1286	STATICA	Top	-1.00	STATICA
1287	STATICA	Top	-1.00	STATICA
1288	STATICA	Top	-1.00	STATICA
1289	STATICA	Top	-1.00	STATICA
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1292	STATICA	Top	-1.00	STATICA
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1294	STATICA	Top	-1.00	STATICA
1295	STATICA	Top	-1.00	STATICA
1296	STATICA	Top	-1.00	STATICA
1297	STATICA	Top	-1.00	STATICA
1298	STATICA	Top	-1.00	STATICA
1299	STATICA	Top	-1.00	STATICA
1300	STATICA	Top	-1.00	STATICA
1301	STATICA	Top	-1.00	STATICA
1302	STATICA	Top	-1.00	STATICA
1303	STATICA	Top	-1.00	STATICA
1304	STATICA	Top	-1.00	STATICA
1305	STATICA	Top	-1.00	STATICA
1306	STATICA	Top	-1.00	STATICA
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1313	STATICA	Top	-1.00	STATICA
1314	STATICA	Top	-1.00	STATICA
1315	STATICA	Top	-1.00	STATICA
1316	STATICA	Top	-1.00	STATICA
1317	STATICA	Top	-1.00	STATICA
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1323	STATICA	Top	-1.00	STATICA
1324	STATICA	Top	-1.00	STATICA
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1328	STATICA	Top	-1.00	STATICA
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1338	STATICA	Top	-1.00	STATICA
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1340	STATICA	Top	-1.00	STATICA
1341	STATICA	Top	-1.00	STATICA
1342	STATICA	Top	-1.00	STATICA
1343	STATICA	Top	-1.00	STATICA
1345	STATICA	Top	-1.00	STATICA
1346	STATICA	Top	-1.00	STATICA
1347	STATICA	Top	-1.00	STATICA
1348	STATICA	Top	-1.00	STATICA
1349	STATICA	Top	-1.00	STATICA
1350	STATICA	Top	-1.00	STATICA
1351	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1352	STATICA	Top	-1.00	STATICA
1353	STATICA	Top	-1.00	STATICA
1354	STATICA	Top	-1.00	STATICA
1355	STATICA	Top	-1.00	STATICA
1356	STATICA	Top	-1.00	STATICA
1357	STATICA	Top	-1.00	STATICA
1358	STATICA	Top	-1.00	STATICA
1359	STATICA	Top	-1.00	STATICA
1360	STATICA	Top	-1.00	STATICA
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1362	STATICA	Top	-1.00	STATICA
1363	STATICA	Top	-1.00	STATICA
1364	STATICA	Top	-1.00	STATICA
1365	STATICA	Top	-1.00	STATICA
1366	STATICA	Top	-1.00	STATICA
1367	STATICA	Top	-1.00	STATICA
1368	STATICA	Top	-1.00	STATICA
1369	STATICA	Top	-1.00	STATICA
1370	STATICA	Top	-1.00	STATICA
1371	STATICA	Top	-1.00	STATICA
1372	STATICA	Top	-1.00	STATICA
1373	STATICA	Top	-1.00	STATICA
1374	STATICA	Top	-1.00	STATICA
1375	STATICA	Top	-1.00	STATICA
1376	STATICA	Top	-1.00	STATICA
1377	STATICA	Top	-1.00	STATICA
1378	STATICA	Top	-1.00	STATICA
1379	STATICA	Top	-1.00	STATICA
1390	STATICA	Top	-1.00	STATICA
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1541	STATICA	Top	-1.00	STATICA
1542	STATICA	Top	-1.00	STATICA
1543	STATICA	Top	-1.00	STATICA
1544	STATICA	Top	-1.00	STATICA
1545	STATICA	Top	-1.00	STATICA
1546	STATICA	Top	-1.00	STATICA
1547	STATICA	Top	-1.00	STATICA
1548	STATICA	Top	-1.00	STATICA
1549	STATICA	Top	-1.00	STATICA
1550	STATICA	Top	-1.00	STATICA
1551	STATICA	Top	-1.00	STATICA
1552	STATICA	Top	-1.00	STATICA
1553	STATICA	Top	-1.00	STATICA
1554	STATICA	Top	-1.00	STATICA
1555	STATICA	Top	-1.00	STATICA
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1563	STATICA	Top	-1.00	STATICA
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1566	STATICA	Top	-1.00	STATICA
1567	STATICA	Top	-1.00	STATICA
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1572	STATICA	Top	-1.00	STATICA
1573	STATICA	Top	-1.00	STATICA
1574	STATICA	Top	-1.00	STATICA
1575	STATICA	Top	-1.00	STATICA
1576	STATICA	Top	-1.00	STATICA
1577	STATICA	Top	-1.00	STATICA
1578	STATICA	Top	-1.00	STATICA
1579	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1580	STATICA	Top	-1.00	STATICA
1581	STATICA	Top	-1.00	STATICA
1582	STATICA	Top	-1.00	STATICA
1583	STATICA	Top	-1.00	STATICA
1584	STATICA	Top	-1.00	STATICA
1585	STATICA	Top	-1.00	STATICA
1586	STATICA	Top	-1.00	STATICA
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1596	STATICA	Top	-1.00	STATICA
1597	STATICA	Top	-1.00	STATICA
1598	STATICA	Top	-1.00	STATICA
1599	STATICA	Top	-1.00	STATICA
1600	STATICA	Top	-1.00	STATICA
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1602	STATICA	Top	-1.00	STATICA
1603	STATICA	Top	-1.00	STATICA
1604	STATICA	Top	-1.00	STATICA
1605	STATICA	Top	-1.00	STATICA
1606	STATICA	Top	-1.00	STATICA
1607	STATICA	Top	-1.00	STATICA
1608	STATICA	Top	-1.00	STATICA
1609	STATICA	Top	-1.00	STATICA
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1611	STATICA	Top	-1.00	STATICA
1612	STATICA	Top	-1.00	STATICA
1613	STATICA	Top	-1.00	STATICA
1614	STATICA	Top	-1.00	STATICA
1615	STATICA	Top	-1.00	STATICA
1616	STATICA	Top	-1.00	STATICA
1617	STATICA	Top	-1.00	STATICA
1618	STATICA	Top	-1.00	STATICA
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1623	STATICA	Top	-1.00	STATICA
1624	STATICA	Top	-1.00	STATICA
1625	STATICA	Top	-1.00	STATICA
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1627	STATICA	Top	-1.00	STATICA
1628	STATICA	Top	-1.00	STATICA
1629	STATICA	Top	-1.00	STATICA
1630	STATICA	Top	-1.00	STATICA
1631	STATICA	Top	-1.00	STATICA
1632	STATICA	Top	-1.00	STATICA
1633	STATICA	Top	-1.00	STATICA
1634	STATICA	Top	-1.00	STATICA
1635	STATICA	Top	-1.00	STATICA
1636	STATICA	Top	-1.00	STATICA
1637	STATICA	Top	-1.00	STATICA
1638	STATICA	Top	-1.00	STATICA
1639	STATICA	Top	-1.00	STATICA
1640	STATICA	Top	-1.00	STATICA
1641	STATICA	Top	-1.00	STATICA
1642	STATICA	Top	-1.00	STATICA
1643	STATICA	Top	-1.00	STATICA
1644	STATICA	Top	-1.00	STATICA
1645	STATICA	Top	-1.00	STATICA
1646	STATICA	Top	-1.00	STATICA
1647	STATICA	Top	-1.00	STATICA
1648	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1649	STATICA	Top	-1.00	STATICA
1650	STATICA	Top	-1.00	STATICA
1651	STATICA	Top	-1.00	STATICA
1652	STATICA	Top	-1.00	STATICA
1653	STATICA	Top	-1.00	STATICA
1654	STATICA	Top	-1.00	STATICA
1655	STATICA	Top	-1.00	STATICA
1656	STATICA	Top	-1.00	STATICA
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1660	STATICA	Top	-1.00	STATICA
1661	STATICA	Top	-1.00	STATICA
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1663	STATICA	Top	-1.00	STATICA
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1666	STATICA	Top	-1.00	STATICA
1667	STATICA	Top	-1.00	STATICA
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1670	STATICA	Top	-1.00	STATICA
1671	STATICA	Top	-1.00	STATICA
1672	STATICA	Top	-1.00	STATICA
1673	STATICA	Top	-1.00	STATICA
1674	STATICA	Top	-1.00	STATICA
1675	STATICA	Top	-1.00	STATICA
1676	STATICA	Top	-1.00	STATICA
1677	STATICA	Top	-1.00	STATICA
1678	STATICA	Top	-1.00	STATICA
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1682	STATICA	Top	-1.00	STATICA
1683	STATICA	Top	-1.00	STATICA
1684	STATICA	Top	-1.00	STATICA
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1691	STATICA	Top	-1.00	STATICA
1692	STATICA	Top	-1.00	STATICA
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1694	STATICA	Top	-1.00	STATICA
1695	STATICA	Top	-1.00	STATICA
1696	STATICA	Top	-1.00	STATICA
1697	STATICA	Top	-1.00	STATICA
1698	STATICA	Top	-1.00	STATICA
1699	STATICA	Top	-1.00	STATICA
1700	STATICA	Top	-1.00	STATICA
1701	STATICA	Top	-1.00	STATICA
1702	STATICA	Top	-1.00	STATICA
1703	STATICA	Top	-1.00	STATICA
1704	STATICA	Top	-1.00	STATICA
1705	STATICA	Top	-1.00	STATICA
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1710	STATICA	Top	-1.00	STATICA
1711	STATICA	Top	-1.00	STATICA
1712	STATICA	Top	-1.00	STATICA
1713	STATICA	Top	-1.00	STATICA
1714	STATICA	Top	-1.00	STATICA
1715	STATICA	Top	-1.00	STATICA
1716	STATICA	Top	-1.00	STATICA
1717	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1718	STATICA	Top	-1.00	STATICA
1719	STATICA	Top	-1.00	STATICA
1720	STATICA	Top	-1.00	STATICA
1721	STATICA	Top	-1.00	STATICA
1722	STATICA	Top	-1.00	STATICA
1723	STATICA	Top	-1.00	STATICA
1724	STATICA	Top	-1.00	STATICA
1725	STATICA	Top	-1.00	STATICA
1726	STATICA	Top	-1.00	STATICA
1727	STATICA	Top	-1.00	STATICA
1728	STATICA	Top	-1.00	STATICA
1729	STATICA	Top	-1.00	STATICA
1730	STATICA	Top	-1.00	STATICA
1731	STATICA	Top	-1.00	STATICA
1732	STATICA	Top	-1.00	STATICA
1733	STATICA	Top	-1.00	STATICA
1734	STATICA	Top	-1.00	STATICA
1735	STATICA	Top	-1.00	STATICA
1736	STATICA	Top	-1.00	STATICA
1737	STATICA	Top	-1.00	STATICA
1738	STATICA	Top	-1.00	STATICA
1739	STATICA	Top	-1.00	STATICA
1740	STATICA	Top	-1.00	STATICA
1741	STATICA	Top	-1.00	STATICA
1742	STATICA	Top	-1.00	STATICA
1743	STATICA	Top	-1.00	STATICA
1744	STATICA	Top	-1.00	STATICA
1745	STATICA	Top	-1.00	STATICA
1746	STATICA	Top	-1.00	STATICA
1747	STATICA	Top	-1.00	STATICA
1748	STATICA	Top	-1.00	STATICA
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1766	STATICA	Top	-1.00	STATICA
1767	STATICA	Top	-1.00	STATICA
1768	STATICA	Top	-1.00	STATICA
1769	STATICA	Top	-1.00	STATICA
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1771	STATICA	Top	-1.00	STATICA
1772	STATICA	Top	-1.00	STATICA
1773	STATICA	Top	-1.00	STATICA
1774	STATICA	Top	-1.00	STATICA
1775	STATICA	Top	-1.00	STATICA
1776	STATICA	Top	-1.00	STATICA
1777	STATICA	Top	-1.00	STATICA
1778	STATICA	Top	-1.00	STATICA
1779	STATICA	Top	-1.00	STATICA
1780	STATICA	Top	-1.00	STATICA
1781	STATICA	Top	-1.00	STATICA
1782	STATICA	Top	-1.00	STATICA
1783	STATICA	Top	-1.00	STATICA
1784	STATICA	Top	-1.00	STATICA
1785	STATICA	Top	-1.00	STATICA
1786	STATICA	Top	-1.00	STATICA



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1787	STATICA	Top	-1.00	STATICA
1788	STATICA	Top	-1.00	STATICA
1789	STATICA	Top	-1.00	STATICA
1790	STATICA	Top	-1.00	STATICA
1791	STATICA	Top	-1.00	STATICA
1792	STATICA	Top	-1.00	STATICA
1793	STATICA	Top	-1.00	STATICA
1794	STATICA	Top	-1.00	STATICA
1795	STATICA	Top	-1.00	STATICA
1796	STATICA	Top	-1.00	STATICA
1797	STATICA	Top	-1.00	STATICA
1798	STATICA	Top	-1.00	STATICA
1799	STATICA	Top	-1.00	STATICA
1800	STATICA	Top	-1.00	STATICA
1801	STATICA	Top	-1.00	STATICA
1802	STATICA	Top	-1.00	STATICA
1803	STATICA	Top	-1.00	STATICA
1804	STATICA	Top	-1.00	STATICA
1805	STATICA	Top	-1.00	STATICA
1806	STATICA	Top	-1.00	STATICA
1807	STATICA	Top	-1.00	STATICA
1808	STATICA	Top	-1.00	STATICA
1809	STATICA	Top	-1.00	STATICA
1810	STATICA	Top	-1.00	STATICA
1811	STATICA	Top	-1.00	STATICA
1812	STATICA	Top	-1.00	STATICA
1813	STATICA	Top	-1.00	STATICA
1814	STATICA	Top	-1.00	STATICA
1815	STATICA	Top	-1.00	STATICA
1816	STATICA	Top	-1.00	STATICA
1817	STATICA	Top	-1.00	STATICA
1818	STATICA	Top	-1.00	STATICA
1819	STATICA	Top	-1.00	STATICA
1820	STATICA	Top	-1.00	STATICA
1821	STATICA	Top	-1.00	STATICA
1822	STATICA	Top	-1.00	STATICA
1823	STATICA	Top	-1.00	STATICA
1824	STATICA	Top	-1.00	STATICA
1825	STATICA	Top	-1.00	STATICA
1826	STATICA	Top	-1.00	STATICA
1827	STATICA	Top	-1.00	STATICA
1828	STATICA	Top	-1.00	STATICA
1829	STATICA	Top	-1.00	STATICA
1830	STATICA	Top	-1.00	STATICA
1831	STATICA	Top	-1.00	STATICA
1832	STATICA	Top	-1.00	STATICA
1833	STATICA	Top	-1.00	STATICA
1834	STATICA	Top	-1.00	STATICA
1835	STATICA	Top	-1.00	STATICA
1836	STATICA	Top	-1.00	STATICA
1837	STATICA	Top	-1.00	STATICA
1838	STATICA	Top	-1.00	STATICA
1839	STATICA	Top	-1.00	STATICA
1840	STATICA	Top	-1.00	STATICA
1841	STATICA	Top	-1.00	STATICA
1842	STATICA	Top	-1.00	STATICA
1843	STATICA	Top	-1.00	STATICA
1844	STATICA	Top	-1.00	STATICA
1845	STATICA	Top	-1.00	STATICA
1846	STATICA	Top	-1.00	STATICA
1847	STATICA	Top	-1.00	STATICA
1848	STATICA	Top	-1.00	STATICA
1849	STATICA	Top	-1.00	STATICA
1850	STATICA	Top	-1.00	STATICA
1851	STATICA	Top	-1.00	STATICA
1852	STATICA	Top	-1.00	STATICA
1853	STATICA	Top	-1.00	STATICA
1854	STATICA	Top	-1.00	STATICA
1855	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1856	STATICA	Top	-1.00	STATICA
1857	STATICA	Top	-1.00	STATICA
1858	STATICA	Top	-1.00	STATICA
1859	STATICA	Top	-1.00	STATICA
1860	STATICA	Top	-1.00	STATICA
1861	STATICA	Top	-1.00	STATICA
1862	STATICA	Top	-1.00	STATICA
1863	STATICA	Top	-1.00	STATICA
1864	STATICA	Top	-1.00	STATICA
1865	STATICA	Top	-1.00	STATICA
1866	STATICA	Top	-1.00	STATICA
1867	STATICA	Top	-1.00	STATICA
1868	STATICA	Top	-1.00	STATICA
1869	STATICA	Top	-1.00	STATICA
1870	STATICA	Top	-1.00	STATICA
1871	STATICA	Top	-1.00	STATICA
1872	STATICA	Top	-1.00	STATICA
1873	STATICA	Top	-1.00	STATICA
1874	STATICA	Top	-1.00	STATICA
1875	STATICA	Top	-1.00	STATICA
1876	STATICA	Top	-1.00	STATICA
1877	STATICA	Top	-1.00	STATICA
1878	STATICA	Top	-1.00	STATICA
1879	STATICA	Top	-1.00	STATICA
1880	STATICA	Top	-1.00	STATICA
1881	STATICA	Top	-1.00	STATICA
1882	STATICA	Top	-1.00	STATICA
1883	STATICA	Top	-1.00	STATICA
1884	STATICA	Top	-1.00	STATICA
1885	STATICA	Top	-1.00	STATICA
1886	STATICA	Top	-1.00	STATICA
1887	STATICA	Top	-1.00	STATICA
1888	STATICA	Top	-1.00	STATICA
1889	STATICA	Top	-1.00	STATICA
1890	STATICA	Top	-1.00	STATICA
1891	STATICA	Top	-1.00	STATICA
1892	STATICA	Top	-1.00	STATICA
1893	STATICA	Top	-1.00	STATICA
1894	STATICA	Top	-1.00	STATICA
1895	STATICA	Top	-1.00	STATICA
1896	STATICA	Top	-1.00	STATICA
1897	STATICA	Top	-1.00	STATICA
1898	STATICA	Top	-1.00	STATICA
1899	STATICA	Top	-1.00	STATICA
1900	STATICA	Top	-1.00	STATICA
1901	STATICA	Top	-1.00	STATICA
1902	STATICA	Top	-1.00	STATICA
1903	STATICA	Top	-1.00	STATICA
1904	STATICA	Top	-1.00	STATICA
1905	STATICA	Top	-1.00	STATICA
1906	STATICA	Top	-1.00	STATICA
1907	STATICA	Top	-1.00	STATICA
1908	STATICA	Top	-1.00	STATICA
1909	STATICA	Top	-1.00	STATICA
1910	STATICA	Top	-1.00	STATICA
1911	STATICA	Top	-1.00	STATICA
1912	STATICA	Top	-1.00	STATICA
1913	STATICA	Top	-1.00	STATICA
1914	STATICA	Top	-1.00	STATICA
1915	STATICA	Top	-1.00	STATICA
1916	STATICA	Top	-1.00	STATICA
1917	STATICA	Top	-1.00	STATICA
1918	STATICA	Top	-1.00	STATICA
1919	STATICA	Top	-1.00	STATICA
1920	STATICA	Top	-1.00	STATICA
1921	STATICA	Top	-1.00	STATICA
1922	STATICA	Top	-1.00	STATICA
1923	STATICA	Top	-1.00	STATICA
1924	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1925	STATICA	Top	-1.00	STATICA
1926	STATICA	Top	-1.00	STATICA
1927	STATICA	Top	-1.00	STATICA
1928	STATICA	Top	-1.00	STATICA
1929	STATICA	Top	-1.00	STATICA
1930	STATICA	Top	-1.00	STATICA
1931	STATICA	Top	-1.00	STATICA
1932	STATICA	Top	-1.00	STATICA
1933	STATICA	Top	-1.00	STATICA
1934	STATICA	Top	-1.00	STATICA
1935	STATICA	Top	-1.00	STATICA
1936	STATICA	Top	-1.00	STATICA
1937	STATICA	Top	-1.00	STATICA
1938	STATICA	Top	-1.00	STATICA
1939	STATICA	Top	-1.00	STATICA
1940	STATICA	Top	-1.00	STATICA
1941	STATICA	Top	-1.00	STATICA
1942	STATICA	Top	-1.00	STATICA
1943	STATICA	Top	-1.00	STATICA
1944	STATICA	Top	-1.00	STATICA
1945	STATICA	Top	-1.00	STATICA
1946	STATICA	Top	-1.00	STATICA
1947	STATICA	Top	-1.00	STATICA
1948	STATICA	Top	-1.00	STATICA
1949	STATICA	Top	-1.00	STATICA
1950	STATICA	Top	-1.00	STATICA
1951	STATICA	Top	-1.00	STATICA
1952	STATICA	Top	-1.00	STATICA
1953	STATICA	Top	-1.00	STATICA
1954	STATICA	Top	-1.00	STATICA
1955	STATICA	Top	-1.00	STATICA
1956	STATICA	Top	-1.00	STATICA
1957	STATICA	Top	-1.00	STATICA
1958	STATICA	Top	-1.00	STATICA
1959	STATICA	Top	-1.00	STATICA
1960	STATICA	Top	-1.00	STATICA
1961	STATICA	Top	-1.00	STATICA
1962	STATICA	Top	-1.00	STATICA
1963	STATICA	Top	-1.00	STATICA
1964	STATICA	Top	-1.00	STATICA
1965	STATICA	Top	-1.00	STATICA
1966	STATICA	Top	-1.00	STATICA
1967	STATICA	Top	-1.00	STATICA
1968	STATICA	Top	-1.00	STATICA
1969	STATICA	Top	-1.00	STATICA
1970	STATICA	Top	-1.00	STATICA
1971	STATICA	Top	-1.00	STATICA
1972	STATICA	Top	-1.00	STATICA
1973	STATICA	Top	-1.00	STATICA
1974	STATICA	Top	-1.00	STATICA
1975	STATICA	Top	-1.00	STATICA
1976	STATICA	Top	-1.00	STATICA
1977	STATICA	Top	-1.00	STATICA
1978	STATICA	Top	-1.00	STATICA
1979	STATICA	Top	-1.00	STATICA
1980	STATICA	Top	-1.00	STATICA
1981	STATICA	Top	-1.00	STATICA
1982	STATICA	Top	-1.00	STATICA
1983	STATICA	Top	-1.00	STATICA
1984	STATICA	Top	-1.00	STATICA
1985	STATICA	Top	-1.00	STATICA
1986	STATICA	Top	-1.00	STATICA
1987	STATICA	Top	-1.00	STATICA
1988	STATICA	Top	-1.00	STATICA
1989	STATICA	Top	-1.00	STATICA
1990	STATICA	Top	-1.00	STATICA
1991	STATICA	Top	-1.00	STATICA
1992	STATICA	Top	-1.00	STATICA
1993	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1994	STATICA	Top	-1.00	STATICA
1995	STATICA	Top	-1.00	STATICA
1996	STATICA	Top	-1.00	STATICA
1997	STATICA	Top	-1.00	STATICA
1998	STATICA	Top	-1.00	STATICA
1999	STATICA	Top	-1.00	STATICA
2000	STATICA	Top	-1.00	STATICA
2001	STATICA	Top	-1.00	STATICA
2002	STATICA	Top	-1.00	STATICA
2003	STATICA	Top	-1.00	STATICA
2004	STATICA	Top	-1.00	STATICA
2005	STATICA	Top	-1.00	STATICA
2006	STATICA	Top	-1.00	STATICA
2007	STATICA	Top	-1.00	STATICA
2008	STATICA	Top	-1.00	STATICA
2009	STATICA	Top	-1.00	STATICA
2010	STATICA	Top	-1.00	STATICA
2011	STATICA	Top	-1.00	STATICA
2012	STATICA	Top	-1.00	STATICA
2013	STATICA	Top	-1.00	STATICA
2014	STATICA	Top	-1.00	STATICA
2015	STATICA	Top	-1.00	STATICA
2016	STATICA	Top	-1.00	STATICA
2017	STATICA	Top	-1.00	STATICA
2018	STATICA	Top	-1.00	STATICA
2019	STATICA	Top	-1.00	STATICA
2020	STATICA	Top	-1.00	STATICA
2021	STATICA	Top	-1.00	STATICA
2022	STATICA	Top	-1.00	STATICA
2023	STATICA	Top	-1.00	STATICA
2024	STATICA	Top	-1.00	STATICA
2025	STATICA	Top	-1.00	STATICA
2026	STATICA	Top	-1.00	STATICA
2027	STATICA	Top	-1.00	STATICA
2028	STATICA	Top	-1.00	STATICA
2029	STATICA	Top	-1.00	STATICA
2030	STATICA	Top	-1.00	STATICA
2031	STATICA	Top	-1.00	STATICA
2032	STATICA	Top	-1.00	STATICA
2033	STATICA	Top	-1.00	STATICA
2034	STATICA	Top	-1.00	STATICA
2035	STATICA	Top	-1.00	STATICA
2036	STATICA	Top	-1.00	STATICA
2037	STATICA	Top	-1.00	STATICA
2038	STATICA	Top	-1.00	STATICA
2039	STATICA	Top	-1.00	STATICA
2040	STATICA	Top	-1.00	STATICA
2041	STATICA	Top	-1.00	STATICA
2042	STATICA	Top	-1.00	STATICA
2043	STATICA	Top	-1.00	STATICA
2044	STATICA	Top	-1.00	STATICA
2045	STATICA	Top	-1.00	STATICA
2046	STATICA	Top	-1.00	STATICA
2047	STATICA	Top	-1.00	STATICA
2048	STATICA	Top	-1.00	STATICA
2049	STATICA	Top	-1.00	STATICA
2050	STATICA	Top	-1.00	STATICA
2051	STATICA	Top	-1.00	STATICA
2052	STATICA	Top	-1.00	STATICA
2053	STATICA	Top	-1.00	STATICA
2054	STATICA	Top	-1.00	STATICA
2055	STATICA	Top	-1.00	STATICA
2056	STATICA	Top	-1.00	STATICA
2057	STATICA	Top	-1.00	STATICA
2058	STATICA	Top	-1.00	STATICA
2059	STATICA	Top	-1.00	STATICA
2060	STATICA	Top	-1.00	STATICA
2061	STATICA	Top	-1.00	STATICA
2062	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2063	STATICA	Top	-1.00	STATICA
2064	STATICA	Top	-1.00	STATICA
2065	STATICA	Top	-1.00	STATICA
2066	STATICA	Top	-1.00	STATICA
2067	STATICA	Top	-1.00	STATICA
2068	STATICA	Top	-1.00	STATICA
2069	STATICA	Top	-1.00	STATICA
2070	STATICA	Top	-1.00	STATICA
2071	STATICA	Top	-1.00	STATICA
2072	STATICA	Top	-1.00	STATICA
2073	STATICA	Top	-1.00	STATICA
2074	STATICA	Top	-1.00	STATICA
2075	STATICA	Top	-1.00	STATICA
2076	STATICA	Top	-1.00	STATICA
2077	STATICA	Top	-1.00	STATICA
2078	STATICA	Top	-1.00	STATICA
2079	STATICA	Top	-1.00	STATICA
2080	STATICA	Top	-1.00	STATICA
2081	STATICA	Top	-1.00	STATICA
2082	STATICA	Top	-1.00	STATICA
2083	STATICA	Top	-1.00	STATICA
2084	STATICA	Top	-1.00	STATICA
2085	STATICA	Top	-1.00	STATICA
2086	STATICA	Top	-1.00	STATICA
2087	STATICA	Top	-1.00	STATICA
2088	STATICA	Top	-1.00	STATICA
2089	STATICA	Top	-1.00	STATICA
2090	STATICA	Top	-1.00	STATICA
2091	STATICA	Top	-1.00	STATICA
2092	STATICA	Top	-1.00	STATICA
2093	STATICA	Top	-1.00	STATICA
2094	STATICA	Top	-1.00	STATICA
2095	STATICA	Top	-1.00	STATICA
2096	STATICA	Top	-1.00	STATICA
2097	STATICA	Top	-1.00	STATICA
2098	STATICA	Top	-1.00	STATICA
2099	STATICA	Top	-1.00	STATICA
2100	STATICA	Top	-1.00	STATICA
2101	STATICA	Top	-1.00	STATICA
2102	STATICA	Top	-1.00	STATICA
2103	STATICA	Top	-1.00	STATICA
2104	STATICA	Top	-1.00	STATICA
2105	STATICA	Top	-1.00	STATICA
2106	STATICA	Top	-1.00	STATICA
2107	STATICA	Top	-1.00	STATICA
2108	STATICA	Top	-1.00	STATICA
2109	STATICA	Top	-1.00	STATICA
2110	STATICA	Top	-1.00	STATICA
2111	STATICA	Top	-1.00	STATICA
2112	STATICA	Top	-1.00	STATICA
2113	STATICA	Top	-1.00	STATICA
2114	STATICA	Top	-1.00	STATICA
2115	STATICA	Top	-1.00	STATICA
2116	STATICA	Top	-1.00	STATICA
2117	STATICA	Top	-1.00	STATICA
2118	STATICA	Top	-1.00	STATICA
2119	STATICA	Top	-1.00	STATICA
2120	STATICA	Top	-1.00	STATICA
2121	STATICA	Top	-1.00	STATICA
2122	STATICA	Top	-1.00	STATICA
2123	STATICA	Top	-1.00	STATICA
2124	STATICA	Top	-1.00	STATICA
2125	STATICA	Top	-1.00	STATICA
2126	STATICA	Top	-1.00	STATICA
2127	STATICA	Top	-1.00	STATICA
2128	STATICA	Top	-1.00	STATICA
2129	STATICA	Top	-1.00	STATICA
2130	STATICA	Top	-1.00	STATICA
2131	STATICA	Top	-1.00	STATICA

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2132	STATICA	Top	-1.00	STATICA
2133	STATICA	Top	-1.00	STATICA
2134	STATICA	Top	-1.00	STATICA
2135	STATICA	Top	-1.00	STATICA
2136	STATICA	Top	-1.00	STATICA
2137	STATICA	Top	-1.00	STATICA
2138	STATICA	Top	-1.00	STATICA
2139	STATICA	Top	-1.00	STATICA
2140	STATICA	Top	-1.00	STATICA
2141	STATICA	Top	-1.00	STATICA
2142	STATICA	Top	-1.00	STATICA
2143	STATICA	Top	-1.00	STATICA
2144	STATICA	Top	-1.00	STATICA
2145	STATICA	Top	-1.00	STATICA
2146	STATICA	Top	-1.00	STATICA
2147	STATICA	Top	-1.00	STATICA
2148	STATICA	Top	-1.00	STATICA
2149	STATICA	Top	-1.00	STATICA
2150	STATICA	Top	-1.00	STATICA
2151	STATICA	Top	-1.00	STATICA
2152	STATICA	Top	-1.00	STATICA
2153	STATICA	Top	-1.00	STATICA
2154	STATICA	Top	-1.00	STATICA
2155	STATICA	Top	-1.00	STATICA
2156	STATICA	Top	-1.00	STATICA
2157	STATICA	Top	-1.00	STATICA
2158	STATICA	Top	-1.00	STATICA
2159	STATICA	Top	-1.00	STATICA
2160	STATICA	Top	-1.00	STATICA
2161	STATICA	Top	-1.00	STATICA
2162	STATICA	Top	-1.00	STATICA
2163	STATICA	Top	-1.00	STATICA
2164	STATICA	Top	-1.00	STATICA
2165	STATICA	Top	-1.00	STATICA
2166	STATICA	Top	-1.00	STATICA
2167	STATICA	Top	-1.00	STATICA
2168	STATICA	Top	-1.00	STATICA
2169	STATICA	Top	-1.00	STATICA
2170	STATICA	Top	-1.00	STATICA
2171	STATICA	Top	-1.00	STATICA

Table: Area Loads - Uniform

Area	LoadPat	CoordSys	Dir	UnifLoad KN/m2	
35	SOVRAC	STATICO	GLOBAL	Y	-6.25
35		SISMICA	GLOBAL	Y	-23.79
36	SOVRAC	STATICO	GLOBAL	Y	-6.25
36		SISMICA	GLOBAL	Y	-23.79
37	SOVRAC	STATICO	GLOBAL	Y	-6.25
37		SISMICA	GLOBAL	Y	-23.79
38	SOVRAC	STATICO	GLOBAL	Y	-6.25
38		SISMICA	GLOBAL	Y	-23.79
39	SOVRAC	STATICO	GLOBAL	Y	-6.25
39		SISMICA	GLOBAL	Y	-23.79
40	SOVRAC	STATICO	GLOBAL	Y	-6.25
40		SISMICA	GLOBAL	Y	-23.79
41	SOVRAC	STATICO	GLOBAL	Y	-6.25
41		SISMICA	GLOBAL	Y	-23.79
42	SOVRAC	STATICO	GLOBAL	Y	-6.25
42		SISMICA	GLOBAL	Y	-23.79
43	SOVRAC	STATICO	GLOBAL	Y	-6.25
43		SISMICA	GLOBAL	Y	-23.79
44	SOVRAC	STATICO	GLOBAL	Y	-6.25
44		SISMICA	GLOBAL	Y	-23.79
45	SOVRAC	STATICO	GLOBAL	Y	-6.25
45		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

46	SOVRAC	STATICO	GLOBAL	Y	-6.25
46		SISMICA	GLOBAL	Y	-23.79
47	SOVRAC	STATICO	GLOBAL	Y	-6.25
47		SISMICA	GLOBAL	Y	-23.79
48	SOVRAC	STATICO	GLOBAL	Y	-6.25
48		SISMICA	GLOBAL	Y	-23.79
49	SOVRAC	STATICO	GLOBAL	Y	-6.25
49		SISMICA	GLOBAL	Y	-23.79
50	SOVRAC	STATICO	GLOBAL	Y	-6.25
50		SISMICA	GLOBAL	Y	-23.79
51	SOVRAC	STATICO	GLOBAL	Y	-6.25
51		SISMICA	GLOBAL	Y	-23.79
52	SOVRAC	STATICO	GLOBAL	Y	-6.25
52		SISMICA	GLOBAL	Y	-23.79
53	SOVRAC	STATICO	GLOBAL	Y	-6.25
53		SISMICA	GLOBAL	Y	-23.79
54	SOVRAC	STATICO	GLOBAL	Y	-6.25
54		SISMICA	GLOBAL	Y	-23.79
55	SOVRAC	STATICO	GLOBAL	Y	-6.25
55		SISMICA	GLOBAL	Y	-23.79
56	SOVRAC	STATICO	GLOBAL	Y	-6.25
56		SISMICA	GLOBAL	Y	-23.79
57	SOVRAC	STATICO	GLOBAL	Y	-6.25
57		SISMICA	GLOBAL	Y	-23.79
58	SOVRAC	STATICO	GLOBAL	Y	-6.25
58		SISMICA	GLOBAL	Y	-23.79
59	SOVRAC	STATICO	GLOBAL	Y	-6.25
59		SISMICA	GLOBAL	Y	-23.79
60	SOVRAC	STATICO	GLOBAL	Y	-6.25
60		SISMICA	GLOBAL	Y	-23.79
61	SOVRAC	STATICO	GLOBAL	Y	-6.25
61		SISMICA	GLOBAL	Y	-23.79
62	SOVRAC	STATICO	GLOBAL	Y	-6.25
62		SISMICA	GLOBAL	Y	-23.79
63	SOVRAC	STATICO	GLOBAL	Y	-6.25
63		SISMICA	GLOBAL	Y	-23.79
64	SOVRAC	STATICO	GLOBAL	Y	-6.25
64		SISMICA	GLOBAL	Y	-23.79
65	SOVRAC	STATICO	GLOBAL	Y	-6.25
65		SISMICA	GLOBAL	Y	-23.79
66	SOVRAC	STATICO	GLOBAL	Y	-6.25
3	SOVRAC	STATICO	GLOBAL	Y	-6.25
3		SISMICA	GLOBAL	Y	-23.79
4	SOVRAC	STATICO	GLOBAL	Y	-6.25
4		SISMICA	GLOBAL	Y	-23.79
5	SOVRAC	STATICO	GLOBAL	Y	-6.25
5		SISMICA	GLOBAL	Y	-23.79
6	SOVRAC	STATICO	GLOBAL	Y	-6.25
6		SISMICA	GLOBAL	Y	-23.79
7	SOVRAC	STATICO	GLOBAL	Y	-6.25
7		SISMICA	GLOBAL	Y	-23.79
8	SOVRAC	STATICO	GLOBAL	Y	-6.25
8		SISMICA	GLOBAL	Y	-23.79
9	SOVRAC	STATICO	GLOBAL	Y	-6.25
9		SISMICA	GLOBAL	Y	-23.79
10	SOVRAC	STATICO	GLOBAL	Y	-6.25
10		SISMICA	GLOBAL	Y	-23.79
11	SOVRAC	STATICO	GLOBAL	Y	-6.25
11		SISMICA	GLOBAL	Y	-23.79
12	SOVRAC	STATICO	GLOBAL	Y	-6.25
12		SISMICA	GLOBAL	Y	-23.79
13	SOVRAC	STATICO	GLOBAL	Y	-6.25
13		SISMICA	GLOBAL	Y	-23.79
14	SOVRAC	STATICO	GLOBAL	Y	-6.25
14		SISMICA	GLOBAL	Y	-23.79
15	SOVRAC	STATICO	GLOBAL	Y	-6.25
15		SISMICA	GLOBAL	Y	-23.79
16	SOVRAC	STATICO	GLOBAL	Y	-6.25
16		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

17	SOVRAC	STATICO	GLOBAL	Y	-6.25
17		SISMICA	GLOBAL	Y	-23.79
18	SOVRAC	STATICO	GLOBAL	Y	-6.25
18		SISMICA	GLOBAL	Y	-23.79
19	SOVRAC	STATICO	GLOBAL	Y	-6.25
19		SISMICA	GLOBAL	Y	-23.79
20	SOVRAC	STATICO	GLOBAL	Y	-6.25
20		SISMICA	GLOBAL	Y	-23.79
21	SOVRAC	STATICO	GLOBAL	Y	-6.25
21		SISMICA	GLOBAL	Y	-23.79
22	SOVRAC	STATICO	GLOBAL	Y	-6.25
22		SISMICA	GLOBAL	Y	-23.79
23	SOVRAC	STATICO	GLOBAL	Y	-6.25
23		SISMICA	GLOBAL	Y	-23.79
24	SOVRAC	STATICO	GLOBAL	Y	-6.25
24		SISMICA	GLOBAL	Y	-23.79
25	SOVRAC	STATICO	GLOBAL	Y	-6.25
25		SISMICA	GLOBAL	Y	-23.79
26	SOVRAC	STATICO	GLOBAL	Y	-6.25
26		SISMICA	GLOBAL	Y	-23.79
27	SOVRAC	STATICO	GLOBAL	Y	-6.25
27		SISMICA	GLOBAL	Y	-23.79
28	SOVRAC	STATICO	GLOBAL	Y	-6.25
28		SISMICA	GLOBAL	Y	-23.79
29	SOVRAC	STATICO	GLOBAL	Y	-6.25
29		SISMICA	GLOBAL	Y	-23.79
30	SOVRAC	STATICO	GLOBAL	Y	-6.25
30		SISMICA	GLOBAL	Y	-23.79
31	SOVRAC	STATICO	GLOBAL	Y	-6.25
31		SISMICA	GLOBAL	Y	-23.79
32	SOVRAC	STATICO	GLOBAL	Y	-6.25
32		SISMICA	GLOBAL	Y	-23.79
33	SOVRAC	STATICO	GLOBAL	Y	-6.25
33		SISMICA	GLOBAL	Y	-23.79
34	SOVRAC	STATICO	GLOBAL	Y	-6.25
34		SISMICA	GLOBAL	Y	-23.79
66		SISMICA	GLOBAL	Y	-23.79
67	SOVRAC	STATICO	GLOBAL	Y	-6.25
67		SISMICA	GLOBAL	Y	-23.79
68	SOVRAC	STATICO	GLOBAL	Y	-6.25
68		SISMICA	GLOBAL	Y	-23.79
69	SOVRAC	STATICO	GLOBAL	Y	-6.25
69		SISMICA	GLOBAL	Y	-23.79
70	SOVRAC	STATICO	GLOBAL	Y	-6.25
70		SISMICA	GLOBAL	Y	-23.79
71	SOVRAC	STATICO	GLOBAL	Y	-6.25
71		SISMICA	GLOBAL	Y	-23.79
72	SOVRAC	STATICO	GLOBAL	Y	-6.25
72		SISMICA	GLOBAL	Y	-23.79
73	SOVRAC	STATICO	GLOBAL	Y	-6.25
73		SISMICA	GLOBAL	Y	-23.79
74	SOVRAC	STATICO	GLOBAL	Y	-6.25
74		SISMICA	GLOBAL	Y	-23.79
75	SOVRAC	STATICO	GLOBAL	Y	-6.25
75		SISMICA	GLOBAL	Y	-23.79
76	SOVRAC	STATICO	GLOBAL	Y	-6.25
76		SISMICA	GLOBAL	Y	-23.79
77	SOVRAC	STATICO	GLOBAL	Y	-6.25
77		SISMICA	GLOBAL	Y	-23.79
78	SOVRAC	STATICO	GLOBAL	Y	-6.25
78		SISMICA	GLOBAL	Y	-23.79
79	SOVRAC	STATICO	GLOBAL	Y	-6.25
79		SISMICA	GLOBAL	Y	-23.79
80	SOVRAC	STATICO	GLOBAL	Y	-6.25
80		SISMICA	GLOBAL	Y	-23.79
81	SOVRAC	STATICO	GLOBAL	Y	-6.25
81		SISMICA	GLOBAL	Y	-23.79
82	SOVRAC	STATICO	GLOBAL	Y	-6.25
82		SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

83	SOVRAC	STATICO	GLOBAL	Y	-6.25
83		SISMICA	GLOBAL	Y	-23.79
84	SOVRAC	STATICO	GLOBAL	Y	-6.25
84		SISMICA	GLOBAL	Y	-23.79
85	SOVRAC	STATICO	GLOBAL	Y	-6.25
85		SISMICA	GLOBAL	Y	-23.79
86	SOVRAC	STATICO	GLOBAL	Y	-6.25
86		SISMICA	GLOBAL	Y	-23.79
87	SOVRAC	STATICO	GLOBAL	Y	-6.25
87		SISMICA	GLOBAL	Y	-23.79
88	SOVRAC	STATICO	GLOBAL	Y	-6.25
88		SISMICA	GLOBAL	Y	-23.79
89	SOVRAC	STATICO	GLOBAL	Y	-6.25
89		SISMICA	GLOBAL	Y	-23.79
90	SOVRAC	STATICO	GLOBAL	Y	-6.25
90		SISMICA	GLOBAL	Y	-23.79
91	SOVRAC	STATICO	GLOBAL	Y	-6.25
91		SISMICA	GLOBAL	Y	-23.79
92	SOVRAC	STATICO	GLOBAL	Y	-6.25
92		SISMICA	GLOBAL	Y	-23.79
93	SOVRAC	STATICO	GLOBAL	Y	-6.25
93		SISMICA	GLOBAL	Y	-23.79
94	SOVRAC	STATICO	GLOBAL	Y	-6.25
94		SISMICA	GLOBAL	Y	-23.79
95	SOVRAC	STATICO	GLOBAL	Y	-6.25
95		SISMICA	GLOBAL	Y	-23.79
96	SOVRAC	STATICO	GLOBAL	Y	-6.25
96		SISMICA	GLOBAL	Y	-23.79
97	SOVRAC	STATICO	GLOBAL	Y	-6.25
97		SISMICA	GLOBAL	Y	-23.79
98	SOVRAC	STATICO	GLOBAL	Y	-6.25
98		SISMICA	GLOBAL	Y	-23.79
99	SOVRAC	STATICO	GLOBAL	Y	-6.25
99		SISMICA	GLOBAL	Y	-23.79
100	SOVRAC	STATICO	GLOBAL	Y	-6.25
100		SISMICA	GLOBAL	Y	-23.79
101	SOVRAC	STATICO	GLOBAL	Y	-6.25
101		SISMICA	GLOBAL	Y	-23.79
102	SOVRAC	STATICO	GLOBAL	Y	-6.25
102		SISMICA	GLOBAL	Y	-23.79
103	SOVRAC	STATICO	GLOBAL	Y	-6.25
103		SISMICA	GLOBAL	Y	-23.79
104	SOVRAC	STATICO	GLOBAL	Y	-6.25
104		SISMICA	GLOBAL	Y	-23.79
105	SOVRAC	STATICO	GLOBAL	Y	-6.25
105		SISMICA	GLOBAL	Y	-23.79
106	SOVRAC	STATICO	GLOBAL	Y	-6.25
106		SISMICA	GLOBAL	Y	-23.79
107	SOVRAC	STATICO	GLOBAL	Y	-6.25
107		SISMICA	GLOBAL	Y	-23.79
108	SOVRAC	STATICO	GLOBAL	Y	-6.25
108		SISMICA	GLOBAL	Y	-23.79
109	SOVRAC	STATICO	GLOBAL	Y	-6.25
109		SISMICA	GLOBAL	Y	-23.79
110	SOVRAC	STATICO	GLOBAL	Y	-6.25
110		SISMICA	GLOBAL	Y	-23.79
111	SOVRAC	STATICO	GLOBAL	Y	-6.25
111		SISMICA	GLOBAL	Y	-23.79
112	SOVRAC	STATICO	GLOBAL	Y	-6.25
112		SISMICA	GLOBAL	Y	-23.79
113	SOVRAC	STATICO	GLOBAL	Y	-6.25
113		SISMICA	GLOBAL	Y	-23.79
114	SOVRAC	STATICO	GLOBAL	Y	-6.25
114		SISMICA	GLOBAL	Y	-23.79
115	SOVRAC	STATICO	GLOBAL	Y	-6.25
115		SISMICA	GLOBAL	Y	-23.79
116	SOVRAC	STATICO	GLOBAL	Y	-6.25
116		SISMICA	GLOBAL	Y	-23.79
117	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

117	SISMICA	GLOBAL	Y	-23.79
118	SOVRAC STATICO	GLOBAL	Y	-6.25
118	SISMICA	GLOBAL	Y	-23.79
119	SOVRAC STATICO	GLOBAL	Y	-6.25
119	SISMICA	GLOBAL	Y	-23.79
120	SOVRAC STATICO	GLOBAL	Y	-6.25
120	SISMICA	GLOBAL	Y	-23.79
121	SOVRAC STATICO	GLOBAL	Y	-6.25
121	SISMICA	GLOBAL	Y	-23.79
122	SOVRAC STATICO	GLOBAL	Y	-6.25
122	SISMICA	GLOBAL	Y	-23.79
123	SOVRAC STATICO	GLOBAL	Y	-6.25
123	SISMICA	GLOBAL	Y	-23.79
124	SOVRAC STATICO	GLOBAL	Y	-6.25
124	SISMICA	GLOBAL	Y	-23.79
125	SOVRAC STATICO	GLOBAL	Y	-6.25
125	SISMICA	GLOBAL	Y	-23.79
126	SOVRAC STATICO	GLOBAL	Y	-6.25
126	SISMICA	GLOBAL	Y	-23.79
127	SOVRAC STATICO	GLOBAL	Y	-6.25
127	SISMICA	GLOBAL	Y	-23.79
128	SOVRAC STATICO	GLOBAL	Y	-6.25
128	SISMICA	GLOBAL	Y	-23.79
129	SOVRAC STATICO	GLOBAL	Y	-6.25
129	SISMICA	GLOBAL	Y	-23.79
130	SOVRAC STATICO	GLOBAL	Y	-6.25
130	SISMICA	GLOBAL	Y	-23.79
131	SOVRAC STATICO	GLOBAL	Y	-6.25
131	SISMICA	GLOBAL	Y	-23.79
132	SOVRAC STATICO	GLOBAL	Y	-6.25
132	SISMICA	GLOBAL	Y	-23.79
133	SOVRAC STATICO	GLOBAL	Y	-6.25
133	SISMICA	GLOBAL	Y	-23.79
134	SOVRAC STATICO	GLOBAL	Y	-6.25
134	SISMICA	GLOBAL	Y	-23.79
135	SOVRAC STATICO	GLOBAL	Y	-6.25
135	SISMICA	GLOBAL	Y	-23.79
136	SOVRAC STATICO	GLOBAL	Y	-6.25
136	SISMICA	GLOBAL	Y	-23.79
137	SOVRAC STATICO	GLOBAL	Y	-6.25
137	SISMICA	GLOBAL	Y	-23.79
138	SOVRAC STATICO	GLOBAL	Y	-6.25
138	SISMICA	GLOBAL	Y	-23.79
139	SOVRAC STATICO	GLOBAL	Y	-6.25
139	SISMICA	GLOBAL	Y	-23.79
140	SOVRAC STATICO	GLOBAL	Y	-6.25
140	SISMICA	GLOBAL	Y	-23.79
141	SOVRAC STATICO	GLOBAL	Y	-6.25
141	SISMICA	GLOBAL	Y	-23.79
142	SOVRAC STATICO	GLOBAL	Y	-6.25
142	SISMICA	GLOBAL	Y	-23.79
143	SOVRAC STATICO	GLOBAL	Y	-6.25
143	SISMICA	GLOBAL	Y	-23.79
144	SOVRAC STATICO	GLOBAL	Y	-6.25
144	SISMICA	GLOBAL	Y	-23.79
145	SOVRAC STATICO	GLOBAL	Y	-6.25
145	SISMICA	GLOBAL	Y	-23.79
146	SOVRAC STATICO	GLOBAL	Y	-6.25
146	SISMICA	GLOBAL	Y	-23.79
147	SOVRAC STATICO	GLOBAL	Y	-6.25
147	SISMICA	GLOBAL	Y	-23.79
148	SOVRAC STATICO	GLOBAL	Y	-6.25
148	SISMICA	GLOBAL	Y	-23.79
149	SOVRAC STATICO	GLOBAL	Y	-6.25
149	SISMICA	GLOBAL	Y	-23.79
150	SOVRAC STATICO	GLOBAL	Y	-6.25
150	SISMICA	GLOBAL	Y	-23.79
151	SOVRAC STATICO	GLOBAL	Y	-6.25
151	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

152	SOVRAC	STATICO	GLOBAL	Y	-6.25
152		SISMICA	GLOBAL	Y	-23.79
153	SOVRAC	STATICO	GLOBAL	Y	-6.25
153		SISMICA	GLOBAL	Y	-23.79
154	SOVRAC	STATICO	GLOBAL	Y	-6.25
154		SISMICA	GLOBAL	Y	-23.79
155	SOVRAC	STATICO	GLOBAL	Y	-6.25
155		SISMICA	GLOBAL	Y	-23.79
156	SOVRAC	STATICO	GLOBAL	Y	-6.25
156		SISMICA	GLOBAL	Y	-23.79
157	SOVRAC	STATICO	GLOBAL	Y	-6.25
157		SISMICA	GLOBAL	Y	-23.79
158	SOVRAC	STATICO	GLOBAL	Y	-6.25
158		SISMICA	GLOBAL	Y	-23.79
159	SOVRAC	STATICO	GLOBAL	Y	-6.25
159		SISMICA	GLOBAL	Y	-23.79
160	SOVRAC	STATICO	GLOBAL	Y	-6.25
160		SISMICA	GLOBAL	Y	-23.79
161	SOVRAC	STATICO	GLOBAL	Y	-6.25
161		SISMICA	GLOBAL	Y	-23.79
162	SOVRAC	STATICO	GLOBAL	Y	-6.25
162		SISMICA	GLOBAL	Y	-23.79
163	SOVRAC	STATICO	GLOBAL	Y	-6.25
163		SISMICA	GLOBAL	Y	-23.79
164	SOVRAC	STATICO	GLOBAL	Y	-6.25
164		SISMICA	GLOBAL	Y	-23.79
165	SOVRAC	STATICO	GLOBAL	Y	-6.25
165		SISMICA	GLOBAL	Y	-23.79
166	SOVRAC	STATICO	GLOBAL	Y	-6.25
166		SISMICA	GLOBAL	Y	-23.79
167	SOVRAC	STATICO	GLOBAL	Y	-6.25
167		SISMICA	GLOBAL	Y	-23.79
168	SOVRAC	STATICO	GLOBAL	Y	-6.25
168		SISMICA	GLOBAL	Y	-23.79
169	SOVRAC	STATICO	GLOBAL	Y	-6.25
169		SISMICA	GLOBAL	Y	-23.79
170	SOVRAC	STATICO	GLOBAL	Y	-6.25
170		SISMICA	GLOBAL	Y	-23.79
172	SOVRAC	STATICO	GLOBAL	Y	-6.25
172		SISMICA	GLOBAL	Y	-23.79
173	SOVRAC	STATICO	GLOBAL	Y	-6.25
173		SISMICA	GLOBAL	Y	-23.79
174	SOVRAC	STATICO	GLOBAL	Y	-6.25
174		SISMICA	GLOBAL	Y	-23.79
175	SOVRAC	STATICO	GLOBAL	Y	-6.25
175		SISMICA	GLOBAL	Y	-23.79
176	SOVRAC	STATICO	GLOBAL	Y	-6.25
176		SISMICA	GLOBAL	Y	-23.79
177	SOVRAC	STATICO	GLOBAL	Y	-6.25
177		SISMICA	GLOBAL	Y	-23.79
178	SOVRAC	STATICO	GLOBAL	Y	-6.25
178		SISMICA	GLOBAL	Y	-23.79
179	SOVRAC	STATICO	GLOBAL	Y	-6.25
179		SISMICA	GLOBAL	Y	-23.79
180	SOVRAC	STATICO	GLOBAL	Y	-6.25
180		SISMICA	GLOBAL	Y	-23.79
181	SOVRAC	STATICO	GLOBAL	Y	-6.25
181		SISMICA	GLOBAL	Y	-23.79
182	SOVRAC	STATICO	GLOBAL	Y	-6.25
182		SISMICA	GLOBAL	Y	-23.79
183	SOVRAC	STATICO	GLOBAL	Y	-6.25
183		SISMICA	GLOBAL	Y	-23.79
184	SOVRAC	STATICO	GLOBAL	Y	-6.25
184		SISMICA	GLOBAL	Y	-23.79
185	SOVRAC	STATICO	GLOBAL	Y	-6.25
185		SISMICA	GLOBAL	Y	-23.79
186	SOVRAC	STATICO	GLOBAL	Y	-6.25
186		SISMICA	GLOBAL	Y	-23.79
187	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

187		SISMICA	GLOBAL	Y	-23.79
188	SOVRAC	STATICO	GLOBAL	Y	-6.25
188		SISMICA	GLOBAL	Y	-23.79
189	SOVRAC	STATICO	GLOBAL	Y	-6.25
189		SISMICA	GLOBAL	Y	-23.79
190	SOVRAC	STATICO	GLOBAL	Y	-6.25
190		SISMICA	GLOBAL	Y	-23.79
191	SOVRAC	STATICO	GLOBAL	Y	-6.25
191		SISMICA	GLOBAL	Y	-23.79
192	SOVRAC	STATICO	GLOBAL	Y	-6.25
192		SISMICA	GLOBAL	Y	-23.79
193	SOVRAC	STATICO	GLOBAL	Y	-6.25
193		SISMICA	GLOBAL	Y	-23.79
194	SOVRAC	STATICO	GLOBAL	Y	-6.25
194		SISMICA	GLOBAL	Y	-23.79
195	SOVRAC	STATICO	GLOBAL	Y	-6.25
195		SISMICA	GLOBAL	Y	-23.79
196	SOVRAC	STATICO	GLOBAL	Y	-6.25
196		SISMICA	GLOBAL	Y	-23.79
197	SOVRAC	STATICO	GLOBAL	Y	-6.25
197		SISMICA	GLOBAL	Y	-23.79
198	SOVRAC	STATICO	GLOBAL	Y	-6.25
198		SISMICA	GLOBAL	Y	-23.79
199	SOVRAC	STATICO	GLOBAL	Y	-6.25
199		SISMICA	GLOBAL	Y	-23.79
200	SOVRAC	STATICO	GLOBAL	Y	-6.25
200		SISMICA	GLOBAL	Y	-23.79
201	SOVRAC	STATICO	GLOBAL	Y	-6.25
201		SISMICA	GLOBAL	Y	-23.79
202	SOVRAC	STATICO	GLOBAL	Y	-6.25
202		SISMICA	GLOBAL	Y	-23.79
203	SOVRAC	STATICO	GLOBAL	Y	-6.25
203		SISMICA	GLOBAL	Y	-23.79
204	SOVRAC	STATICO	GLOBAL	Y	-6.25
204		SISMICA	GLOBAL	Y	-23.79
205	SOVRAC	STATICO	GLOBAL	Y	-6.25
205		SISMICA	GLOBAL	Y	-23.79
206	SOVRAC	STATICO	GLOBAL	Y	-6.25
206		SISMICA	GLOBAL	Y	-23.79
207	SOVRAC	STATICO	GLOBAL	Y	-6.25
207		SISMICA	GLOBAL	Y	-23.79
208	SOVRAC	STATICO	GLOBAL	Y	-6.25
208		SISMICA	GLOBAL	Y	-23.79
209	SOVRAC	STATICO	GLOBAL	Y	-6.25
209		SISMICA	GLOBAL	Y	-23.79
210	SOVRAC	STATICO	GLOBAL	Y	-6.25
210		SISMICA	GLOBAL	Y	-23.79
211	SOVRAC	STATICO	GLOBAL	Y	-6.25
211		SISMICA	GLOBAL	Y	-23.79
212	SOVRAC	STATICO	GLOBAL	Y	-6.25
212		SISMICA	GLOBAL	Y	-23.79
213	SOVRAC	STATICO	GLOBAL	Y	-6.25
213		SISMICA	GLOBAL	Y	-23.79
214	SOVRAC	STATICO	GLOBAL	Y	-6.25
214		SISMICA	GLOBAL	Y	-23.79
215	SOVRAC	STATICO	GLOBAL	Y	-6.25
215		SISMICA	GLOBAL	Y	-23.79
216	SOVRAC	STATICO	GLOBAL	Y	-6.25
216		SISMICA	GLOBAL	Y	-23.79
217	SOVRAC	STATICO	GLOBAL	Y	-6.25
217		SISMICA	GLOBAL	Y	-23.79
218	SOVRAC	STATICO	GLOBAL	Y	-6.25
218		SISMICA	GLOBAL	Y	-23.79
219	SOVRAC	STATICO	GLOBAL	Y	-6.25
219		SISMICA	GLOBAL	Y	-23.79
220	SOVRAC	STATICO	GLOBAL	Y	-6.25
220		SISMICA	GLOBAL	Y	-23.79
221	SOVRAC	STATICO	GLOBAL	Y	-6.25
221		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

222	SOVRAC	STATICO	GLOBAL	Y	-6.25
222		SISMICA	GLOBAL	Y	-23.79
223	SOVRAC	STATICO	GLOBAL	Y	-6.25
223		SISMICA	GLOBAL	Y	-23.79
224	SOVRAC	STATICO	GLOBAL	Y	-6.25
224		SISMICA	GLOBAL	Y	-23.79
225	SOVRAC	STATICO	GLOBAL	Y	-6.25
225		SISMICA	GLOBAL	Y	-23.79
226	SOVRAC	STATICO	GLOBAL	Y	-6.25
226		SISMICA	GLOBAL	Y	-23.79
227	SOVRAC	STATICO	GLOBAL	Y	-6.25
227		SISMICA	GLOBAL	Y	-23.79
228	SOVRAC	STATICO	GLOBAL	Y	-6.25
228		SISMICA	GLOBAL	Y	-23.79
229	SOVRAC	STATICO	GLOBAL	Y	-6.25
229		SISMICA	GLOBAL	Y	-23.79
230	SOVRAC	STATICO	GLOBAL	Y	-6.25
230		SISMICA	GLOBAL	Y	-23.79
231	SOVRAC	STATICO	GLOBAL	Y	-6.25
231		SISMICA	GLOBAL	Y	-23.79
232	SOVRAC	STATICO	GLOBAL	Y	-6.25
232		SISMICA	GLOBAL	Y	-23.79
233	SOVRAC	STATICO	GLOBAL	Y	-6.25
233		SISMICA	GLOBAL	Y	-23.79
234	SOVRAC	STATICO	GLOBAL	Y	-6.25
234		SISMICA	GLOBAL	Y	-23.79
235	SOVRAC	STATICO	GLOBAL	Y	-6.25
235		SISMICA	GLOBAL	Y	-23.79
236	SOVRAC	STATICO	GLOBAL	Y	-6.25
236		SISMICA	GLOBAL	Y	-23.79
237	SOVRAC	STATICO	GLOBAL	Y	-6.25
237		SISMICA	GLOBAL	Y	-23.79
238	SOVRAC	STATICO	GLOBAL	Y	-6.25
238		SISMICA	GLOBAL	Y	-23.79
239	SOVRAC	STATICO	GLOBAL	Y	-6.25
239		SISMICA	GLOBAL	Y	-23.79
240	SOVRAC	STATICO	GLOBAL	Y	-6.25
240		SISMICA	GLOBAL	Y	-23.79
241	SOVRAC	STATICO	GLOBAL	Y	-6.25
241		SISMICA	GLOBAL	Y	-23.79
242	SOVRAC	STATICO	GLOBAL	Y	-6.25
242		SISMICA	GLOBAL	Y	-23.79
243	SOVRAC	STATICO	GLOBAL	Y	-6.25
243		SISMICA	GLOBAL	Y	-23.79
244	SOVRAC	STATICO	GLOBAL	Y	-6.25
244		SISMICA	GLOBAL	Y	-23.79
245	SOVRAC	STATICO	GLOBAL	Y	-6.25
245		SISMICA	GLOBAL	Y	-23.79
246	SOVRAC	STATICO	GLOBAL	Y	-6.25
246		SISMICA	GLOBAL	Y	-23.79
247	SOVRAC	STATICO	GLOBAL	Y	-6.25
247		SISMICA	GLOBAL	Y	-23.79
248	SOVRAC	STATICO	GLOBAL	Y	-6.25
248		SISMICA	GLOBAL	Y	-23.79
249	SOVRAC	STATICO	GLOBAL	Y	-6.25
249		SISMICA	GLOBAL	Y	-23.79
250	SOVRAC	STATICO	GLOBAL	Y	-6.25
250		SISMICA	GLOBAL	Y	-23.79
251	SOVRAC	STATICO	GLOBAL	Y	-6.25
251		SISMICA	GLOBAL	Y	-23.79
252	SOVRAC	STATICO	GLOBAL	Y	-6.25
252		SISMICA	GLOBAL	Y	-23.79
253	SOVRAC	STATICO	GLOBAL	Y	-6.25
253		SISMICA	GLOBAL	Y	-23.79
254	SOVRAC	STATICO	GLOBAL	Y	-6.25
254		SISMICA	GLOBAL	Y	-23.79
255	SOVRAC	STATICO	GLOBAL	Y	-6.25
255		SISMICA	GLOBAL	Y	-23.79
256	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

256	SISMICA	GLOBAL	Y	-23.79
257	SOVRAC STATICO	GLOBAL	Y	-6.25
257	SISMICA	GLOBAL	Y	-23.79
258	SOVRAC STATICO	GLOBAL	Y	-6.25
258	SISMICA	GLOBAL	Y	-23.79
259	SOVRAC STATICO	GLOBAL	Y	-6.25
259	SISMICA	GLOBAL	Y	-23.79
260	SOVRAC STATICO	GLOBAL	Y	-6.25
260	SISMICA	GLOBAL	Y	-23.79
261	SOVRAC STATICO	GLOBAL	Y	-6.25
261	SISMICA	GLOBAL	Y	-23.79
262	SOVRAC STATICO	GLOBAL	Y	-6.25
262	SISMICA	GLOBAL	Y	-23.79
263	SOVRAC STATICO	GLOBAL	Y	-6.25
263	SISMICA	GLOBAL	Y	-23.79
264	SOVRAC STATICO	GLOBAL	Y	-6.25
264	SISMICA	GLOBAL	Y	-23.79
265	SOVRAC STATICO	GLOBAL	Y	-6.25
265	SISMICA	GLOBAL	Y	-23.79
266	SOVRAC STATICO	GLOBAL	Y	-6.25
266	SISMICA	GLOBAL	Y	-23.79
267	SOVRAC STATICO	GLOBAL	Y	-6.25
267	SISMICA	GLOBAL	Y	-23.79
268	SOVRAC STATICO	GLOBAL	Y	-6.25
268	SISMICA	GLOBAL	Y	-23.79
269	SOVRAC STATICO	GLOBAL	Y	-6.25
269	SISMICA	GLOBAL	Y	-23.79
270	SOVRAC STATICO	GLOBAL	Y	-6.25
270	SISMICA	GLOBAL	Y	-23.79
271	SOVRAC STATICO	GLOBAL	Y	-6.25
271	SISMICA	GLOBAL	Y	-23.79
272	SOVRAC STATICO	GLOBAL	Y	-6.25
272	SISMICA	GLOBAL	Y	-23.79
273	SOVRAC STATICO	GLOBAL	Y	-6.25
273	SISMICA	GLOBAL	Y	-23.79
274	SOVRAC STATICO	GLOBAL	Y	-6.25
274	SISMICA	GLOBAL	Y	-23.79
275	SOVRAC STATICO	GLOBAL	Y	-6.25
275	SISMICA	GLOBAL	Y	-23.79
276	SOVRAC STATICO	GLOBAL	Y	-6.25
276	SISMICA	GLOBAL	Y	-23.79
277	SOVRAC STATICO	GLOBAL	Y	-6.25
277	SISMICA	GLOBAL	Y	-23.79
278	SOVRAC STATICO	GLOBAL	Y	-6.25
278	SISMICA	GLOBAL	Y	-23.79
279	SOVRAC STATICO	GLOBAL	Y	-6.25
279	SISMICA	GLOBAL	Y	-23.79
280	SOVRAC STATICO	GLOBAL	Y	-6.25
280	SISMICA	GLOBAL	Y	-23.79
281	SOVRAC STATICO	GLOBAL	Y	-6.25
281	SISMICA	GLOBAL	Y	-23.79
282	SOVRAC STATICO	GLOBAL	Y	-6.25
282	SISMICA	GLOBAL	Y	-23.79
283	SOVRAC STATICO	GLOBAL	Y	-6.25
283	SISMICA	GLOBAL	Y	-23.79
284	SOVRAC STATICO	GLOBAL	Y	-6.25
284	SISMICA	GLOBAL	Y	-23.79
285	SOVRAC STATICO	GLOBAL	Y	-6.25
285	SISMICA	GLOBAL	Y	-23.79
286	SOVRAC STATICO	GLOBAL	Y	-6.25
286	SISMICA	GLOBAL	Y	-23.79
287	SOVRAC STATICO	GLOBAL	Y	-6.25
287	SISMICA	GLOBAL	Y	-23.79
288	SOVRAC STATICO	GLOBAL	Y	-6.25
288	SISMICA	GLOBAL	Y	-23.79
289	SOVRAC STATICO	GLOBAL	Y	-6.25
289	SISMICA	GLOBAL	Y	-23.79
290	SOVRAC STATICO	GLOBAL	Y	-6.25
290	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

291	SOVRAC	STATICO	GLOBAL	Y	-6.25
291		SISMICA	GLOBAL	Y	-23.79
292	SOVRAC	STATICO	GLOBAL	Y	-6.25
292		SISMICA	GLOBAL	Y	-23.79
293	SOVRAC	STATICO	GLOBAL	Y	-6.25
293		SISMICA	GLOBAL	Y	-23.79
294	SOVRAC	STATICO	GLOBAL	Y	-6.25
294		SISMICA	GLOBAL	Y	-23.79
295	SOVRAC	STATICO	GLOBAL	Y	-6.25
295		SISMICA	GLOBAL	Y	-23.79
296	SOVRAC	STATICO	GLOBAL	Y	-6.25
296		SISMICA	GLOBAL	Y	-23.79
297	SOVRAC	STATICO	GLOBAL	Y	-6.25
297		SISMICA	GLOBAL	Y	-23.79
298	SOVRAC	STATICO	GLOBAL	Y	-6.25
298		SISMICA	GLOBAL	Y	-23.79
299	SOVRAC	STATICO	GLOBAL	Y	-6.25
299		SISMICA	GLOBAL	Y	-23.79
300	SOVRAC	STATICO	GLOBAL	Y	-6.25
300		SISMICA	GLOBAL	Y	-23.79
301	SOVRAC	STATICO	GLOBAL	Y	-6.25
301		SISMICA	GLOBAL	Y	-23.79
302	SOVRAC	STATICO	GLOBAL	Y	-6.25
302		SISMICA	GLOBAL	Y	-23.79
303	SOVRAC	STATICO	GLOBAL	Y	-6.25
303		SISMICA	GLOBAL	Y	-23.79
304	SOVRAC	STATICO	GLOBAL	Y	-6.25
304		SISMICA	GLOBAL	Y	-23.79
305	SOVRAC	STATICO	GLOBAL	Y	-6.25
305		SISMICA	GLOBAL	Y	-23.79
306	SOVRAC	STATICO	GLOBAL	Y	-6.25
306		SISMICA	GLOBAL	Y	-23.79
307	SOVRAC	STATICO	GLOBAL	Y	-6.25
307		SISMICA	GLOBAL	Y	-23.79
308	SOVRAC	STATICO	GLOBAL	Y	-6.25
308		SISMICA	GLOBAL	Y	-23.79
309	SOVRAC	STATICO	GLOBAL	Y	-6.25
309		SISMICA	GLOBAL	Y	-23.79
310	SOVRAC	STATICO	GLOBAL	Y	-6.25
310		SISMICA	GLOBAL	Y	-23.79
311	SOVRAC	STATICO	GLOBAL	Y	-6.25
311		SISMICA	GLOBAL	Y	-23.79
312	SOVRAC	STATICO	GLOBAL	Y	-6.25
312		SISMICA	GLOBAL	Y	-23.79
313	SOVRAC	STATICO	GLOBAL	Y	-6.25
313		SISMICA	GLOBAL	Y	-23.79
314	SOVRAC	STATICO	GLOBAL	Y	-6.25
314		SISMICA	GLOBAL	Y	-23.79
315	SOVRAC	STATICO	GLOBAL	Y	-6.25
315		SISMICA	GLOBAL	Y	-23.79
316	SOVRAC	STATICO	GLOBAL	Y	-6.25
316		SISMICA	GLOBAL	Y	-23.79
317	SOVRAC	STATICO	GLOBAL	Y	-6.25
317		SISMICA	GLOBAL	Y	-23.79
318	SOVRAC	STATICO	GLOBAL	Y	-6.25
318		SISMICA	GLOBAL	Y	-23.79
319	SOVRAC	STATICO	GLOBAL	Y	-6.25
319		SISMICA	GLOBAL	Y	-23.79
320	SOVRAC	STATICO	GLOBAL	Y	-6.25
320		SISMICA	GLOBAL	Y	-23.79
321	SOVRAC	STATICO	GLOBAL	Y	-6.25
321		SISMICA	GLOBAL	Y	-23.79
322	SOVRAC	STATICO	GLOBAL	Y	-6.25
322		SISMICA	GLOBAL	Y	-23.79
323	SOVRAC	STATICO	GLOBAL	Y	-6.25
323		SISMICA	GLOBAL	Y	-23.79
324	SOVRAC	STATICO	GLOBAL	Y	-6.25
324		SISMICA	GLOBAL	Y	-23.79
325	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

325	SISMICA	GLOBAL	Y	-23.79
326	SOVRAC STATICO	GLOBAL	Y	-6.25
326	SISMICA	GLOBAL	Y	-23.79
327	SOVRAC STATICO	GLOBAL	Y	-6.25
327	SISMICA	GLOBAL	Y	-23.79
328	SOVRAC STATICO	GLOBAL	Y	-6.25
328	SISMICA	GLOBAL	Y	-23.79
329	SOVRAC STATICO	GLOBAL	Y	-6.25
329	SISMICA	GLOBAL	Y	-23.79
330	SOVRAC STATICO	GLOBAL	Y	-6.25
330	SISMICA	GLOBAL	Y	-23.79
331	SOVRAC STATICO	GLOBAL	Y	-6.25
331	SISMICA	GLOBAL	Y	-23.79
332	SOVRAC STATICO	GLOBAL	Y	-6.25
332	SISMICA	GLOBAL	Y	-23.79
333	SOVRAC STATICO	GLOBAL	Y	-6.25
333	SISMICA	GLOBAL	Y	-23.79
334	SOVRAC STATICO	GLOBAL	Y	-6.25
334	SISMICA	GLOBAL	Y	-23.79
335	SOVRAC STATICO	GLOBAL	Y	-6.25
335	SISMICA	GLOBAL	Y	-23.79
336	SOVRAC STATICO	GLOBAL	Y	-6.25
336	SISMICA	GLOBAL	Y	-23.79
337	SOVRAC STATICO	GLOBAL	Y	-6.25
337	SISMICA	GLOBAL	Y	-23.79
338	SOVRAC STATICO	GLOBAL	Y	-6.25
338	SISMICA	GLOBAL	Y	-23.79
339	SOVRAC STATICO	GLOBAL	Y	-6.25
339	SISMICA	GLOBAL	Y	-23.79
340	SOVRAC STATICO	GLOBAL	Y	-6.25
340	SISMICA	GLOBAL	Y	-23.79
341	SOVRAC STATICO	GLOBAL	Y	-6.25
341	SISMICA	GLOBAL	Y	-23.79
342	SOVRAC STATICO	GLOBAL	Y	-6.25
342	SISMICA	GLOBAL	Y	-23.79
343	SOVRAC STATICO	GLOBAL	Y	-6.25
343	SISMICA	GLOBAL	Y	-23.79
344	SOVRAC STATICO	GLOBAL	Y	-6.25
344	SISMICA	GLOBAL	Y	-23.79
345	SOVRAC STATICO	GLOBAL	Y	-6.25
345	SISMICA	GLOBAL	Y	-23.79
346	SOVRAC STATICO	GLOBAL	Y	-6.25
346	SISMICA	GLOBAL	Y	-23.79
347	SOVRAC STATICO	GLOBAL	Y	-6.25
347	SISMICA	GLOBAL	Y	-23.79
348	SOVRAC STATICO	GLOBAL	Y	-6.25
348	SISMICA	GLOBAL	Y	-23.79
349	SOVRAC STATICO	GLOBAL	Y	-6.25
349	SISMICA	GLOBAL	Y	-23.79
350	SOVRAC STATICO	GLOBAL	Y	-6.25
350	SISMICA	GLOBAL	Y	-23.79
351	SOVRAC STATICO	GLOBAL	Y	-6.25
351	SISMICA	GLOBAL	Y	-23.79
352	SOVRAC STATICO	GLOBAL	Y	-6.25
352	SISMICA	GLOBAL	Y	-23.79
353	SOVRAC STATICO	GLOBAL	Y	-6.25
353	SISMICA	GLOBAL	Y	-23.79
354	SOVRAC STATICO	GLOBAL	Y	-6.25
354	SISMICA	GLOBAL	Y	-23.79
355	SOVRAC STATICO	GLOBAL	Y	-6.25
355	SISMICA	GLOBAL	Y	-23.79
356	SOVRAC STATICO	GLOBAL	Y	-6.25
356	SISMICA	GLOBAL	Y	-23.79
357	SOVRAC STATICO	GLOBAL	Y	-6.25
357	SISMICA	GLOBAL	Y	-23.79
358	SOVRAC STATICO	GLOBAL	Y	-6.25
358	SISMICA	GLOBAL	Y	-23.79
359	SOVRAC STATICO	GLOBAL	Y	-6.25
359	SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

360	SOVRAC	STATICO	GLOBAL	Y	-6.25
360		SISMICA	GLOBAL	Y	-23.79
361	SOVRAC	STATICO	GLOBAL	Y	-6.25
361		SISMICA	GLOBAL	Y	-23.79
362	SOVRAC	STATICO	GLOBAL	Y	-6.25
362		SISMICA	GLOBAL	Y	-23.79
363	SOVRAC	STATICO	GLOBAL	Y	-6.25
363		SISMICA	GLOBAL	Y	-23.79
364	SOVRAC	STATICO	GLOBAL	Y	-6.25
364		SISMICA	GLOBAL	Y	-23.79
365	SOVRAC	STATICO	GLOBAL	Y	-6.25
365		SISMICA	GLOBAL	Y	-23.79
366	SOVRAC	STATICO	GLOBAL	Y	-6.25
366		SISMICA	GLOBAL	Y	-23.79
367	SOVRAC	STATICO	GLOBAL	Y	-6.25
367		SISMICA	GLOBAL	Y	-23.79
368	SOVRAC	STATICO	GLOBAL	Y	-6.25
368		SISMICA	GLOBAL	Y	-23.79
369	SOVRAC	STATICO	GLOBAL	Y	-6.25
369		SISMICA	GLOBAL	Y	-23.79
370	SOVRAC	STATICO	GLOBAL	Y	-6.25
370		SISMICA	GLOBAL	Y	-23.79
371	SOVRAC	STATICO	GLOBAL	Y	-6.25
371		SISMICA	GLOBAL	Y	-23.79
372	SOVRAC	STATICO	GLOBAL	Y	-6.25
372		SISMICA	GLOBAL	Y	-23.79
373	SOVRAC	STATICO	GLOBAL	Y	-6.25
373		SISMICA	GLOBAL	Y	-23.79
374	SOVRAC	STATICO	GLOBAL	Y	-6.25
374		SISMICA	GLOBAL	Y	-23.79
375	SOVRAC	STATICO	GLOBAL	Y	-6.25
375		SISMICA	GLOBAL	Y	-23.79
376	SOVRAC	STATICO	GLOBAL	Y	-6.25
376		SISMICA	GLOBAL	Y	-23.79
377	SOVRAC	STATICO	GLOBAL	Y	-6.25
377		SISMICA	GLOBAL	Y	-23.79
378	SOVRAC	STATICO	GLOBAL	Y	-6.25
378		SISMICA	GLOBAL	Y	-23.79
419	SOVRAC	STATICO	GLOBAL	Y	-6.25
419		SISMICA	GLOBAL	Y	-23.79
420	SOVRAC	STATICO	GLOBAL	Y	-6.25
420		SISMICA	GLOBAL	Y	-23.79
421	SOVRAC	STATICO	GLOBAL	Y	-6.25
421		SISMICA	GLOBAL	Y	-23.79
422	SOVRAC	STATICO	GLOBAL	Y	-6.25
422		SISMICA	GLOBAL	Y	-23.79
423	SOVRAC	STATICO	GLOBAL	Y	-6.25
423		SISMICA	GLOBAL	Y	-23.79
424	SOVRAC	STATICO	GLOBAL	Y	-6.25
424		SISMICA	GLOBAL	Y	-23.79
425	SOVRAC	STATICO	GLOBAL	Y	-6.25
425		SISMICA	GLOBAL	Y	-23.79
426	SOVRAC	STATICO	GLOBAL	Y	-6.25
426		SISMICA	GLOBAL	Y	-23.79
427	SOVRAC	STATICO	GLOBAL	Y	-6.25
427		SISMICA	GLOBAL	Y	-23.79
428	SOVRAC	STATICO	GLOBAL	Y	-6.25
428		SISMICA	GLOBAL	Y	-23.79
429	SOVRAC	STATICO	GLOBAL	Y	-6.25
429		SISMICA	GLOBAL	Y	-23.79
430	SOVRAC	STATICO	GLOBAL	Y	-6.25
430		SISMICA	GLOBAL	Y	-23.79
431	SOVRAC	STATICO	GLOBAL	Y	-6.25
431		SISMICA	GLOBAL	Y	-23.79
432	SOVRAC	STATICO	GLOBAL	Y	-6.25
432		SISMICA	GLOBAL	Y	-23.79
433	SOVRAC	STATICO	GLOBAL	Y	-6.25
433		SISMICA	GLOBAL	Y	-23.79
434	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

434		SISMICA	GLOBAL	Y	-23.79
435	SOVRAC	STATICO	GLOBAL	Y	-6.25
435		SISMICA	GLOBAL	Y	-23.79
436	SOVRAC	STATICO	GLOBAL	Y	-6.25
436		SISMICA	GLOBAL	Y	-23.79
437	SOVRAC	STATICO	GLOBAL	Y	-6.25
437		SISMICA	GLOBAL	Y	-23.79
438	SOVRAC	STATICO	GLOBAL	Y	-6.25
438		SISMICA	GLOBAL	Y	-23.79
439	SOVRAC	STATICO	GLOBAL	Y	-6.25
439		SISMICA	GLOBAL	Y	-23.79
440	SOVRAC	STATICO	GLOBAL	Y	-6.25
440		SISMICA	GLOBAL	Y	-23.79
441	SOVRAC	STATICO	GLOBAL	Y	-6.25
441		SISMICA	GLOBAL	Y	-23.79
443	SOVRAC	STATICO	GLOBAL	Y	-6.25
443		SISMICA	GLOBAL	Y	-23.79
444	SOVRAC	STATICO	GLOBAL	Y	-6.25
444		SISMICA	GLOBAL	Y	-23.79
445	SOVRAC	STATICO	GLOBAL	Y	-6.25
445		SISMICA	GLOBAL	Y	-23.79
446	SOVRAC	STATICO	GLOBAL	Y	-6.25
446		SISMICA	GLOBAL	Y	-23.79
447	SOVRAC	STATICO	GLOBAL	Y	-6.25
447		SISMICA	GLOBAL	Y	-23.79
448	SOVRAC	STATICO	GLOBAL	Y	-6.25
448		SISMICA	GLOBAL	Y	-23.79
449	SOVRAC	STATICO	GLOBAL	Y	-6.25
449		SISMICA	GLOBAL	Y	-23.79
450	SOVRAC	STATICO	GLOBAL	Y	-6.25
450		SISMICA	GLOBAL	Y	-23.79
451	SOVRAC	STATICO	GLOBAL	Y	-6.25
451		SISMICA	GLOBAL	Y	-23.79
452	SOVRAC	STATICO	GLOBAL	Y	-6.25
452		SISMICA	GLOBAL	Y	-23.79
453	SOVRAC	STATICO	GLOBAL	Y	-6.25
453		SISMICA	GLOBAL	Y	-23.79
454	SOVRAC	STATICO	GLOBAL	Y	-6.25
454		SISMICA	GLOBAL	Y	-23.79
455	SOVRAC	STATICO	GLOBAL	Y	-6.25
455		SISMICA	GLOBAL	Y	-23.79
456	SOVRAC	STATICO	GLOBAL	Y	-6.25
456		SISMICA	GLOBAL	Y	-23.79
457	SOVRAC	STATICO	GLOBAL	Y	-6.25
457		SISMICA	GLOBAL	Y	-23.79
458	SOVRAC	STATICO	GLOBAL	Y	-6.25
458		SISMICA	GLOBAL	Y	-23.79
459	SOVRAC	STATICO	GLOBAL	Y	-6.25
459		SISMICA	GLOBAL	Y	-23.79
460	SOVRAC	STATICO	GLOBAL	Y	-6.25
460		SISMICA	GLOBAL	Y	-23.79
461	SOVRAC	STATICO	GLOBAL	Y	-6.25
461		SISMICA	GLOBAL	Y	-23.79
462	SOVRAC	STATICO	GLOBAL	Y	-6.25
462		SISMICA	GLOBAL	Y	-23.79
463	SOVRAC	STATICO	GLOBAL	Y	-6.25
463		SISMICA	GLOBAL	Y	-23.79
464	SOVRAC	STATICO	GLOBAL	Y	-6.25
464		SISMICA	GLOBAL	Y	-23.79
465	SOVRAC	STATICO	GLOBAL	Y	-6.25
465		SISMICA	GLOBAL	Y	-23.79
466	SOVRAC	STATICO	GLOBAL	Y	-6.25
466		SISMICA	GLOBAL	Y	-23.79
467	SOVRAC	STATICO	GLOBAL	Y	-6.25
467		SISMICA	GLOBAL	Y	-23.79
468	SOVRAC	STATICO	GLOBAL	Y	-6.25
468		SISMICA	GLOBAL	Y	-23.79
469	SOVRAC	STATICO	GLOBAL	Y	-6.25
469		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

470	SOVRAC	STATICO	GLOBAL	Y	-6.25
470		SISMICA	GLOBAL	Y	-23.79
471	SOVRAC	STATICO	GLOBAL	Y	-6.25
471		SISMICA	GLOBAL	Y	-23.79
472	SOVRAC	STATICO	GLOBAL	Y	-6.25
472		SISMICA	GLOBAL	Y	-23.79
473	SOVRAC	STATICO	GLOBAL	Y	-6.25
473		SISMICA	GLOBAL	Y	-23.79
474	SOVRAC	STATICO	GLOBAL	Y	-6.25
474		SISMICA	GLOBAL	Y	-23.79
475	SOVRAC	STATICO	GLOBAL	Y	-6.25
475		SISMICA	GLOBAL	Y	-23.79
476	SOVRAC	STATICO	GLOBAL	Y	-6.25
476		SISMICA	GLOBAL	Y	-23.79
477	SOVRAC	STATICO	GLOBAL	Y	-6.25
477		SISMICA	GLOBAL	Y	-23.79
478	SOVRAC	STATICO	GLOBAL	Y	-6.25
478		SISMICA	GLOBAL	Y	-23.79
479	SOVRAC	STATICO	GLOBAL	Y	-6.25
479		SISMICA	GLOBAL	Y	-23.79
480	SOVRAC	STATICO	GLOBAL	Y	-6.25
480		SISMICA	GLOBAL	Y	-23.79
481	SOVRAC	STATICO	GLOBAL	Y	-6.25
481		SISMICA	GLOBAL	Y	-23.79
482	SOVRAC	STATICO	GLOBAL	Y	-6.25
482		SISMICA	GLOBAL	Y	-23.79
483	SOVRAC	STATICO	GLOBAL	Y	-6.25
483		SISMICA	GLOBAL	Y	-23.79
484	SOVRAC	STATICO	GLOBAL	Y	-6.25
484		SISMICA	GLOBAL	Y	-23.79
485	SOVRAC	STATICO	GLOBAL	Y	-6.25
485		SISMICA	GLOBAL	Y	-23.79
486	SOVRAC	STATICO	GLOBAL	Y	-6.25
486		SISMICA	GLOBAL	Y	-23.79
487	SOVRAC	STATICO	GLOBAL	Y	-6.25
487		SISMICA	GLOBAL	Y	-23.79
488	SOVRAC	STATICO	GLOBAL	Y	-6.25
488		SISMICA	GLOBAL	Y	-23.79
489	SOVRAC	STATICO	GLOBAL	Y	-6.25
489		SISMICA	GLOBAL	Y	-23.79
490	SOVRAC	STATICO	GLOBAL	Y	-6.25
490		SISMICA	GLOBAL	Y	-23.79
491	SOVRAC	STATICO	GLOBAL	Y	-6.25
491		SISMICA	GLOBAL	Y	-23.79
492	SOVRAC	STATICO	GLOBAL	Y	-6.25
492		SISMICA	GLOBAL	Y	-23.79
493	SOVRAC	STATICO	GLOBAL	Y	-6.25
493		SISMICA	GLOBAL	Y	-23.79
494	SOVRAC	STATICO	GLOBAL	Y	-6.25
494		SISMICA	GLOBAL	Y	-23.79
495	SOVRAC	STATICO	GLOBAL	Y	-6.25
495		SISMICA	GLOBAL	Y	-23.79
496	SOVRAC	STATICO	GLOBAL	Y	-6.25
496		SISMICA	GLOBAL	Y	-23.79
497	SOVRAC	STATICO	GLOBAL	Y	-6.25
497		SISMICA	GLOBAL	Y	-23.79
498	SOVRAC	STATICO	GLOBAL	Y	-6.25
498		SISMICA	GLOBAL	Y	-23.79
499	SOVRAC	STATICO	GLOBAL	Y	-6.25
499		SISMICA	GLOBAL	Y	-23.79
500	SOVRAC	STATICO	GLOBAL	Y	-6.25
500		SISMICA	GLOBAL	Y	-23.79
501	SOVRAC	STATICO	GLOBAL	Y	-6.25
501		SISMICA	GLOBAL	Y	-23.79
502	SOVRAC	STATICO	GLOBAL	Y	-6.25
502		SISMICA	GLOBAL	Y	-23.79
503	SOVRAC	STATICO	GLOBAL	Y	-6.25
503		SISMICA	GLOBAL	Y	-23.79
504	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

504	SISMICA	GLOBAL	Y	-23.79
505	SOVRAC STATICO	GLOBAL	Y	-6.25
505	SISMICA	GLOBAL	Y	-23.79
506	SOVRAC STATICO	GLOBAL	Y	-6.25
506	SISMICA	GLOBAL	Y	-23.79
507	SOVRAC STATICO	GLOBAL	Y	-6.25
507	SISMICA	GLOBAL	Y	-23.79
508	SOVRAC STATICO	GLOBAL	Y	-6.25
508	SISMICA	GLOBAL	Y	-23.79
509	SOVRAC STATICO	GLOBAL	Y	-6.25
509	SISMICA	GLOBAL	Y	-23.79
510	SOVRAC STATICO	GLOBAL	Y	-6.25
510	SISMICA	GLOBAL	Y	-23.79
511	SOVRAC STATICO	GLOBAL	Y	-6.25
511	SISMICA	GLOBAL	Y	-23.79
512	SOVRAC STATICO	GLOBAL	Y	-6.25
512	SISMICA	GLOBAL	Y	-23.79
513	SOVRAC STATICO	GLOBAL	Y	-6.25
513	SISMICA	GLOBAL	Y	-23.79
514	SOVRAC STATICO	GLOBAL	Y	-6.25
514	SISMICA	GLOBAL	Y	-23.79
515	SOVRAC STATICO	GLOBAL	Y	-6.25
515	SISMICA	GLOBAL	Y	-23.79
516	SOVRAC STATICO	GLOBAL	Y	-6.25
516	SISMICA	GLOBAL	Y	-23.79
517	SOVRAC STATICO	GLOBAL	Y	-6.25
517	SISMICA	GLOBAL	Y	-23.79
518	SOVRAC STATICO	GLOBAL	Y	-6.25
518	SISMICA	GLOBAL	Y	-23.79
519	SOVRAC STATICO	GLOBAL	Y	-6.25
519	SISMICA	GLOBAL	Y	-23.79
520	SOVRAC STATICO	GLOBAL	Y	-6.25
520	SISMICA	GLOBAL	Y	-23.79
521	SOVRAC STATICO	GLOBAL	Y	-6.25
521	SISMICA	GLOBAL	Y	-23.79
522	SOVRAC STATICO	GLOBAL	Y	-6.25
522	SISMICA	GLOBAL	Y	-23.79
523	SOVRAC STATICO	GLOBAL	Y	-6.25
523	SISMICA	GLOBAL	Y	-23.79
524	SOVRAC STATICO	GLOBAL	Y	-6.25
524	SISMICA	GLOBAL	Y	-23.79
525	SOVRAC STATICO	GLOBAL	Y	-6.25
525	SISMICA	GLOBAL	Y	-23.79
526	SOVRAC STATICO	GLOBAL	Y	-6.25
526	SISMICA	GLOBAL	Y	-23.79
527	SOVRAC STATICO	GLOBAL	Y	-6.25
527	SISMICA	GLOBAL	Y	-23.79
528	SOVRAC STATICO	GLOBAL	Y	-6.25
528	SISMICA	GLOBAL	Y	-23.79
529	SOVRAC STATICO	GLOBAL	Y	-6.25
529	SISMICA	GLOBAL	Y	-23.79
530	SOVRAC STATICO	GLOBAL	Y	-6.25
530	SISMICA	GLOBAL	Y	-23.79
531	SOVRAC STATICO	GLOBAL	Y	-6.25
531	SISMICA	GLOBAL	Y	-23.79
532	SOVRAC STATICO	GLOBAL	Y	-6.25
532	SISMICA	GLOBAL	Y	-23.79
533	SOVRAC STATICO	GLOBAL	Y	-6.25
533	SISMICA	GLOBAL	Y	-23.79
534	SOVRAC STATICO	GLOBAL	Y	-6.25
534	SISMICA	GLOBAL	Y	-23.79
535	SOVRAC STATICO	GLOBAL	Y	-6.25
535	SISMICA	GLOBAL	Y	-23.79
536	SOVRAC STATICO	GLOBAL	Y	-6.25
536	SISMICA	GLOBAL	Y	-23.79
537	SOVRAC STATICO	GLOBAL	Y	-6.25
537	SISMICA	GLOBAL	Y	-23.79
538	SOVRAC STATICO	GLOBAL	Y	-6.25
538	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

539	SOVRAC	STATICO	GLOBAL	Y	-6.25
539		SISMICA	GLOBAL	Y	-23.79
540	SOVRAC	STATICO	GLOBAL	Y	-6.25
540		SISMICA	GLOBAL	Y	-23.79
541	SOVRAC	STATICO	GLOBAL	Y	-6.25
541		SISMICA	GLOBAL	Y	-23.79
542	SOVRAC	STATICO	GLOBAL	Y	-6.25
542		SISMICA	GLOBAL	Y	-23.79
543	SOVRAC	STATICO	GLOBAL	Y	-6.25
543		SISMICA	GLOBAL	Y	-23.79
544	SOVRAC	STATICO	GLOBAL	Y	-6.25
544		SISMICA	GLOBAL	Y	-23.79
545	SOVRAC	STATICO	GLOBAL	Y	-6.25
545		SISMICA	GLOBAL	Y	-23.79
546	SOVRAC	STATICO	GLOBAL	Y	-6.25
546		SISMICA	GLOBAL	Y	-23.79
547	SOVRAC	STATICO	GLOBAL	Y	-6.25
547		SISMICA	GLOBAL	Y	-23.79
548	SOVRAC	STATICO	GLOBAL	Y	-6.25
548		SISMICA	GLOBAL	Y	-23.79
549	SOVRAC	STATICO	GLOBAL	Y	-6.25
549		SISMICA	GLOBAL	Y	-23.79
550	SOVRAC	STATICO	GLOBAL	Y	-6.25
550		SISMICA	GLOBAL	Y	-23.79
551	SOVRAC	STATICO	GLOBAL	Y	-6.25
551		SISMICA	GLOBAL	Y	-23.79
552	SOVRAC	STATICO	GLOBAL	Y	-6.25
552		SISMICA	GLOBAL	Y	-23.79
553	SOVRAC	STATICO	GLOBAL	Y	-6.25
553		SISMICA	GLOBAL	Y	-23.79
554	SOVRAC	STATICO	GLOBAL	Y	-6.25
554		SISMICA	GLOBAL	Y	-23.79
555	SOVRAC	STATICO	GLOBAL	Y	-6.25
555		SISMICA	GLOBAL	Y	-23.79
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556		SISMICA	GLOBAL	Y	-23.79
557	SOVRAC	STATICO	GLOBAL	Y	-6.25
557		SISMICA	GLOBAL	Y	-23.79
558	SOVRAC	STATICO	GLOBAL	Y	-6.25
558		SISMICA	GLOBAL	Y	-23.79
559	SOVRAC	STATICO	GLOBAL	Y	-6.25
559		SISMICA	GLOBAL	Y	-23.79
560	SOVRAC	STATICO	GLOBAL	Y	-6.25
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562		SISMICA	GLOBAL	Y	-23.79
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563		SISMICA	GLOBAL	Y	-23.79
564	SOVRAC	STATICO	GLOBAL	Y	-6.25
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565	SOVRAC	STATICO	GLOBAL	Y	-6.25
565		SISMICA	GLOBAL	Y	-23.79
566	SOVRAC	STATICO	GLOBAL	Y	-6.25
566		SISMICA	GLOBAL	Y	-23.79
567	SOVRAC	STATICO	GLOBAL	Y	-6.25
567		SISMICA	GLOBAL	Y	-23.79
568	SOVRAC	STATICO	GLOBAL	Y	-6.25
568		SISMICA	GLOBAL	Y	-23.79
569	SOVRAC	STATICO	GLOBAL	Y	-6.25
569		SISMICA	GLOBAL	Y	-23.79
570	SOVRAC	STATICO	GLOBAL	Y	-6.25
570		SISMICA	GLOBAL	Y	-23.79
571	SOVRAC	STATICO	GLOBAL	Y	-6.25
571		SISMICA	GLOBAL	Y	-23.79
572	SOVRAC	STATICO	GLOBAL	Y	-6.25
572		SISMICA	GLOBAL	Y	-23.79
573	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

573	SISMICA	GLOBAL	Y	-23.79
574	SOVRAC STATICO	GLOBAL	Y	-6.25
574	SISMICA	GLOBAL	Y	-23.79
575	SOVRAC STATICO	GLOBAL	Y	-6.25
575	SISMICA	GLOBAL	Y	-23.79
576	SOVRAC STATICO	GLOBAL	Y	-6.25
576	SISMICA	GLOBAL	Y	-23.79
577	SOVRAC STATICO	GLOBAL	Y	-6.25
577	SISMICA	GLOBAL	Y	-23.79
578	SOVRAC STATICO	GLOBAL	Y	-6.25
578	SISMICA	GLOBAL	Y	-23.79
579	SOVRAC STATICO	GLOBAL	Y	-6.25
579	SISMICA	GLOBAL	Y	-23.79
580	SOVRAC STATICO	GLOBAL	Y	-6.25
580	SISMICA	GLOBAL	Y	-23.79
581	SOVRAC STATICO	GLOBAL	Y	-6.25
581	SISMICA	GLOBAL	Y	-23.79
582	SOVRAC STATICO	GLOBAL	Y	-6.25
582	SISMICA	GLOBAL	Y	-23.79
583	SOVRAC STATICO	GLOBAL	Y	-6.25
583	SISMICA	GLOBAL	Y	-23.79
584	SOVRAC STATICO	GLOBAL	Y	-6.25
584	SISMICA	GLOBAL	Y	-23.79
585	SOVRAC STATICO	GLOBAL	Y	-6.25
585	SISMICA	GLOBAL	Y	-23.79
586	SOVRAC STATICO	GLOBAL	Y	-6.25
586	SISMICA	GLOBAL	Y	-23.79
587	SOVRAC STATICO	GLOBAL	Y	-6.25
587	SISMICA	GLOBAL	Y	-23.79
588	SOVRAC STATICO	GLOBAL	Y	-6.25
588	SISMICA	GLOBAL	Y	-23.79
589	SOVRAC STATICO	GLOBAL	Y	-6.25
589	SISMICA	GLOBAL	Y	-23.79
590	SOVRAC STATICO	GLOBAL	Y	-6.25
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591	SOVRAC STATICO	GLOBAL	Y	-6.25
591	SISMICA	GLOBAL	Y	-23.79
592	SOVRAC STATICO	GLOBAL	Y	-6.25
592	SISMICA	GLOBAL	Y	-23.79
593	SOVRAC STATICO	GLOBAL	Y	-6.25
593	SISMICA	GLOBAL	Y	-23.79
594	SOVRAC STATICO	GLOBAL	Y	-6.25
594	SISMICA	GLOBAL	Y	-23.79
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595	SISMICA	GLOBAL	Y	-23.79
596	SOVRAC STATICO	GLOBAL	Y	-6.25
596	SISMICA	GLOBAL	Y	-23.79
597	SOVRAC STATICO	GLOBAL	Y	-6.25
597	SISMICA	GLOBAL	Y	-23.79
598	SOVRAC STATICO	GLOBAL	Y	-6.25
598	SISMICA	GLOBAL	Y	-23.79
599	SOVRAC STATICO	GLOBAL	Y	-6.25
599	SISMICA	GLOBAL	Y	-23.79
600	SOVRAC STATICO	GLOBAL	Y	-6.25
600	SISMICA	GLOBAL	Y	-23.79
601	SOVRAC STATICO	GLOBAL	Y	-6.25
601	SISMICA	GLOBAL	Y	-23.79
602	SOVRAC STATICO	GLOBAL	Y	-6.25
602	SISMICA	GLOBAL	Y	-23.79
603	SOVRAC STATICO	GLOBAL	Y	-6.25
603	SISMICA	GLOBAL	Y	-23.79
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604	SISMICA	GLOBAL	Y	-23.79
605	SOVRAC STATICO	GLOBAL	Y	-6.25
605	SISMICA	GLOBAL	Y	-23.79
606	SOVRAC STATICO	GLOBAL	Y	-6.25
606	SISMICA	GLOBAL	Y	-23.79
607	SOVRAC STATICO	GLOBAL	Y	-6.25
607	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

608	SOVRAC	STATICO	GLOBAL	Y	-6.25
608		SISMICA	GLOBAL	Y	-23.79
609	SOVRAC	STATICO	GLOBAL	Y	-6.25
609		SISMICA	GLOBAL	Y	-23.79
610	SOVRAC	STATICO	GLOBAL	Y	-6.25
610		SISMICA	GLOBAL	Y	-23.79
611	SOVRAC	STATICO	GLOBAL	Y	-6.25
611		SISMICA	GLOBAL	Y	-23.79
612	SOVRAC	STATICO	GLOBAL	Y	-6.25
612		SISMICA	GLOBAL	Y	-23.79
613	SOVRAC	STATICO	GLOBAL	Y	-6.25
613		SISMICA	GLOBAL	Y	-23.79
614	SOVRAC	STATICO	GLOBAL	Y	-6.25
614		SISMICA	GLOBAL	Y	-23.79
615	SOVRAC	STATICO	GLOBAL	Y	-6.25
615		SISMICA	GLOBAL	Y	-23.79
616	SOVRAC	STATICO	GLOBAL	Y	-6.25
616		SISMICA	GLOBAL	Y	-23.79
617	SOVRAC	STATICO	GLOBAL	Y	-6.25
617		SISMICA	GLOBAL	Y	-23.79
618	SOVRAC	STATICO	GLOBAL	Y	-6.25
618		SISMICA	GLOBAL	Y	-23.79
619	SOVRAC	STATICO	GLOBAL	Y	-6.25
619		SISMICA	GLOBAL	Y	-23.79
620	SOVRAC	STATICO	GLOBAL	Y	-6.25
620		SISMICA	GLOBAL	Y	-23.79
621	SOVRAC	STATICO	GLOBAL	Y	-6.25
621		SISMICA	GLOBAL	Y	-23.79
622	SOVRAC	STATICO	GLOBAL	Y	-6.25
622		SISMICA	GLOBAL	Y	-23.79
623	SOVRAC	STATICO	GLOBAL	Y	-6.25
623		SISMICA	GLOBAL	Y	-23.79
624	SOVRAC	STATICO	GLOBAL	Y	-6.25
624		SISMICA	GLOBAL	Y	-23.79
625	SOVRAC	STATICO	GLOBAL	Y	-6.25
625		SISMICA	GLOBAL	Y	-23.79
626	SOVRAC	STATICO	GLOBAL	Y	-6.25
626		SISMICA	GLOBAL	Y	-23.79
627	SOVRAC	STATICO	GLOBAL	Y	-6.25
627		SISMICA	GLOBAL	Y	-23.79
628	SOVRAC	STATICO	GLOBAL	Y	-6.25
628		SISMICA	GLOBAL	Y	-23.79
629	SOVRAC	STATICO	GLOBAL	Y	-6.25
629		SISMICA	GLOBAL	Y	-23.79
630	SOVRAC	STATICO	GLOBAL	Y	-6.25
630		SISMICA	GLOBAL	Y	-23.79
631	SOVRAC	STATICO	GLOBAL	Y	-6.25
631		SISMICA	GLOBAL	Y	-23.79
632	SOVRAC	STATICO	GLOBAL	Y	-6.25
632		SISMICA	GLOBAL	Y	-23.79
633	SOVRAC	STATICO	GLOBAL	Y	-6.25
633		SISMICA	GLOBAL	Y	-23.79
634	SOVRAC	STATICO	GLOBAL	Y	-6.25
634		SISMICA	GLOBAL	Y	-23.79
635	SOVRAC	STATICO	GLOBAL	Y	-6.25
635		SISMICA	GLOBAL	Y	-23.79
636	SOVRAC	STATICO	GLOBAL	Y	-6.25
636		SISMICA	GLOBAL	Y	-23.79
637	SOVRAC	STATICO	GLOBAL	Y	-6.25
637		SISMICA	GLOBAL	Y	-23.79
638	SOVRAC	STATICO	GLOBAL	Y	-6.25
638		SISMICA	GLOBAL	Y	-23.79
639	SOVRAC	STATICO	GLOBAL	Y	-6.25
639		SISMICA	GLOBAL	Y	-23.79
640	SOVRAC	STATICO	GLOBAL	Y	-6.25
640		SISMICA	GLOBAL	Y	-23.79
641	SOVRAC	STATICO	GLOBAL	Y	-6.25
641		SISMICA	GLOBAL	Y	-23.79
642	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

642	SISMICA	GLOBAL	Y	-23.79
643	SOVRAC STATICO	GLOBAL	Y	-6.25
643	SISMICA	GLOBAL	Y	-23.79
644	SOVRAC STATICO	GLOBAL	Y	-6.25
644	SISMICA	GLOBAL	Y	-23.79
645	SOVRAC STATICO	GLOBAL	Y	-6.25
645	SISMICA	GLOBAL	Y	-23.79
646	SOVRAC STATICO	GLOBAL	Y	-6.25
646	SISMICA	GLOBAL	Y	-23.79
647	SOVRAC STATICO	GLOBAL	Y	-6.25
647	SISMICA	GLOBAL	Y	-23.79
648	SOVRAC STATICO	GLOBAL	Y	-6.25
648	SISMICA	GLOBAL	Y	-23.79
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653	SOVRAC STATICO	GLOBAL	Y	-6.25
653	SISMICA	GLOBAL	Y	-23.79
654	SOVRAC STATICO	GLOBAL	Y	-6.25
654	SISMICA	GLOBAL	Y	-23.79
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655	SISMICA	GLOBAL	Y	-23.79
656	SOVRAC STATICO	GLOBAL	Y	-6.25
656	SISMICA	GLOBAL	Y	-23.79
657	SOVRAC STATICO	GLOBAL	Y	-6.25
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658	SOVRAC STATICO	GLOBAL	Y	-6.25
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659	SOVRAC STATICO	GLOBAL	Y	-6.25
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660	SOVRAC STATICO	GLOBAL	Y	-6.25
660	SISMICA	GLOBAL	Y	-23.79
661	SOVRAC STATICO	GLOBAL	Y	-6.25
661	SISMICA	GLOBAL	Y	-23.79
662	SOVRAC STATICO	GLOBAL	Y	-6.25
662	SISMICA	GLOBAL	Y	-23.79
663	SOVRAC STATICO	GLOBAL	Y	-6.25
663	SISMICA	GLOBAL	Y	-23.79
664	SOVRAC STATICO	GLOBAL	Y	-6.25
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665	SISMICA	GLOBAL	Y	-23.79
666	SOVRAC STATICO	GLOBAL	Y	-6.25
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667	SISMICA	GLOBAL	Y	-23.79
668	SOVRAC STATICO	GLOBAL	Y	-6.25
668	SISMICA	GLOBAL	Y	-23.79
669	SOVRAC STATICO	GLOBAL	Y	-6.25
669	SISMICA	GLOBAL	Y	-23.79
670	SOVRAC STATICO	GLOBAL	Y	-6.25
670	SISMICA	GLOBAL	Y	-23.79
671	SOVRAC STATICO	GLOBAL	Y	-6.25
671	SISMICA	GLOBAL	Y	-23.79
672	SOVRAC STATICO	GLOBAL	Y	-6.25
672	SISMICA	GLOBAL	Y	-23.79
673	SOVRAC STATICO	GLOBAL	Y	-6.25
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674	SOVRAC STATICO	GLOBAL	Y	-6.25
674	SISMICA	GLOBAL	Y	-23.79
675	SOVRAC STATICO	GLOBAL	Y	-6.25
675	SISMICA	GLOBAL	Y	-23.79
676	SOVRAC STATICO	GLOBAL	Y	-6.25
676	SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

677	SOVRAC	STATICO	GLOBAL	Y	-6.25
677		SISMICA	GLOBAL	Y	-23.79
678	SOVRAC	STATICO	GLOBAL	Y	-6.25
678		SISMICA	GLOBAL	Y	-23.79
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680	SOVRAC	STATICO	GLOBAL	Y	-6.25
680		SISMICA	GLOBAL	Y	-23.79
681	SOVRAC	STATICO	GLOBAL	Y	-6.25
681		SISMICA	GLOBAL	Y	-23.79
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684	SOVRAC	STATICO	GLOBAL	Y	-6.25
684		SISMICA	GLOBAL	Y	-23.79
685	SOVRAC	STATICO	GLOBAL	Y	-6.25
685		SISMICA	GLOBAL	Y	-23.79
686	SOVRAC	STATICO	GLOBAL	Y	-6.25
686		SISMICA	GLOBAL	Y	-23.79
688	SOVRAC	STATICO	GLOBAL	Y	-6.25
688		SISMICA	GLOBAL	Y	-23.79
689	SOVRAC	STATICO	GLOBAL	Y	-6.25
689		SISMICA	GLOBAL	Y	-23.79
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691	SOVRAC	STATICO	GLOBAL	Y	-6.25
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693	SOVRAC	STATICO	GLOBAL	Y	-6.25
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695	SOVRAC	STATICO	GLOBAL	Y	-6.25
695		SISMICA	GLOBAL	Y	-23.79
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697	SOVRAC	STATICO	GLOBAL	Y	-6.25
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698		SISMICA	GLOBAL	Y	-23.79
699	SOVRAC	STATICO	GLOBAL	Y	-6.25
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702		SISMICA	GLOBAL	Y	-23.79
703	SOVRAC	STATICO	GLOBAL	Y	-6.25
703		SISMICA	GLOBAL	Y	-23.79
704	SOVRAC	STATICO	GLOBAL	Y	-6.25
704		SISMICA	GLOBAL	Y	-23.79
705	SOVRAC	STATICO	GLOBAL	Y	-6.25
705		SISMICA	GLOBAL	Y	-23.79
706	SOVRAC	STATICO	GLOBAL	Y	-6.25
706		SISMICA	GLOBAL	Y	-23.79
707	SOVRAC	STATICO	GLOBAL	Y	-6.25
707		SISMICA	GLOBAL	Y	-23.79
708	SOVRAC	STATICO	GLOBAL	Y	-6.25
708		SISMICA	GLOBAL	Y	-23.79
709	SOVRAC	STATICO	GLOBAL	Y	-6.25
709		SISMICA	GLOBAL	Y	-23.79
710	SOVRAC	STATICO	GLOBAL	Y	-6.25
710		SISMICA	GLOBAL	Y	-23.79
711	SOVRAC	STATICO	GLOBAL	Y	-6.25
711		SISMICA	GLOBAL	Y	-23.79
712	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

712	SISMICA	GLOBAL	Y	-23.79
713	SOVRAC STATICO	GLOBAL	Y	-6.25
713	SISMICA	GLOBAL	Y	-23.79
714	SOVRAC STATICO	GLOBAL	Y	-6.25
714	SISMICA	GLOBAL	Y	-23.79
715	SOVRAC STATICO	GLOBAL	Y	-6.25
715	SISMICA	GLOBAL	Y	-23.79
716	SOVRAC STATICO	GLOBAL	Y	-6.25
716	SISMICA	GLOBAL	Y	-23.79
717	SOVRAC STATICO	GLOBAL	Y	-6.25
717	SISMICA	GLOBAL	Y	-23.79
718	SOVRAC STATICO	GLOBAL	Y	-6.25
718	SISMICA	GLOBAL	Y	-23.79
719	SOVRAC STATICO	GLOBAL	Y	-6.25
719	SISMICA	GLOBAL	Y	-23.79
720	SOVRAC STATICO	GLOBAL	Y	-6.25
720	SISMICA	GLOBAL	Y	-23.79
721	SOVRAC STATICO	GLOBAL	Y	-6.25
721	SISMICA	GLOBAL	Y	-23.79
723	SOVRAC STATICO	GLOBAL	Y	-6.25
723	SISMICA	GLOBAL	Y	-23.79
724	SOVRAC STATICO	GLOBAL	Y	-6.25
724	SISMICA	GLOBAL	Y	-23.79
725	SOVRAC STATICO	GLOBAL	Y	-6.25
725	SISMICA	GLOBAL	Y	-23.79
726	SOVRAC STATICO	GLOBAL	Y	-6.25
726	SISMICA	GLOBAL	Y	-23.79
727	SOVRAC STATICO	GLOBAL	Y	-6.25
727	SISMICA	GLOBAL	Y	-23.79
728	SOVRAC STATICO	GLOBAL	Y	-6.25
728	SISMICA	GLOBAL	Y	-23.79
729	SOVRAC STATICO	GLOBAL	Y	-6.25
729	SISMICA	GLOBAL	Y	-23.79
730	SOVRAC STATICO	GLOBAL	Y	-6.25
730	SISMICA	GLOBAL	Y	-23.79
731	SOVRAC STATICO	GLOBAL	Y	-6.25
731	SISMICA	GLOBAL	Y	-23.79
732	SOVRAC STATICO	GLOBAL	Y	-6.25
732	SISMICA	GLOBAL	Y	-23.79
733	SOVRAC STATICO	GLOBAL	Y	-6.25
733	SISMICA	GLOBAL	Y	-23.79
734	SOVRAC STATICO	GLOBAL	Y	-6.25
734	SISMICA	GLOBAL	Y	-23.79
735	SOVRAC STATICO	GLOBAL	Y	-6.25
735	SISMICA	GLOBAL	Y	-23.79
736	SOVRAC STATICO	GLOBAL	Y	-6.25
736	SISMICA	GLOBAL	Y	-23.79
737	SOVRAC STATICO	GLOBAL	Y	-6.25
737	SISMICA	GLOBAL	Y	-23.79
738	SOVRAC STATICO	GLOBAL	Y	-6.25
738	SISMICA	GLOBAL	Y	-23.79
739	SOVRAC STATICO	GLOBAL	Y	-6.25
739	SISMICA	GLOBAL	Y	-23.79
740	SOVRAC STATICO	GLOBAL	Y	-6.25
740	SISMICA	GLOBAL	Y	-23.79
741	SOVRAC STATICO	GLOBAL	Y	-6.25
741	SISMICA	GLOBAL	Y	-23.79
742	SOVRAC STATICO	GLOBAL	Y	-6.25
742	SISMICA	GLOBAL	Y	-23.79
743	SOVRAC STATICO	GLOBAL	Y	-6.25
743	SISMICA	GLOBAL	Y	-23.79
744	SOVRAC STATICO	GLOBAL	Y	-6.25
744	SISMICA	GLOBAL	Y	-23.79
745	SOVRAC STATICO	GLOBAL	Y	-6.25
745	SISMICA	GLOBAL	Y	-23.79
746	SOVRAC STATICO	GLOBAL	Y	-6.25
746	SISMICA	GLOBAL	Y	-23.79
747	SOVRAC STATICO	GLOBAL	Y	-6.25
747	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

748	SOVRAC	STATICO	GLOBAL	Y	-6.25
748		SISMICA	GLOBAL	Y	-23.79
749	SOVRAC	STATICO	GLOBAL	Y	-6.25
749		SISMICA	GLOBAL	Y	-23.79
750	SOVRAC	STATICO	GLOBAL	Y	-6.25
750		SISMICA	GLOBAL	Y	-23.79
751	SOVRAC	STATICO	GLOBAL	Y	-6.25
751		SISMICA	GLOBAL	Y	-23.79
752	SOVRAC	STATICO	GLOBAL	Y	-6.25
752		SISMICA	GLOBAL	Y	-23.79
753	SOVRAC	STATICO	GLOBAL	Y	-6.25
753		SISMICA	GLOBAL	Y	-23.79
754	SOVRAC	STATICO	GLOBAL	Y	-6.25
754		SISMICA	GLOBAL	Y	-23.79
755	SOVRAC	STATICO	GLOBAL	Y	-6.25
755		SISMICA	GLOBAL	Y	-23.79
757	SOVRAC	STATICO	GLOBAL	Y	-6.25
757		SISMICA	GLOBAL	Y	-23.79
758	SOVRAC	STATICO	GLOBAL	Y	-6.25
758		SISMICA	GLOBAL	Y	-23.79
759	SOVRAC	STATICO	GLOBAL	Y	-6.25
759		SISMICA	GLOBAL	Y	-23.79
760	SOVRAC	STATICO	GLOBAL	Y	-6.25
760		SISMICA	GLOBAL	Y	-23.79
761	SOVRAC	STATICO	GLOBAL	Y	-6.25
761		SISMICA	GLOBAL	Y	-23.79
762	SOVRAC	STATICO	GLOBAL	Y	-6.25
762		SISMICA	GLOBAL	Y	-23.79
763	SOVRAC	STATICO	GLOBAL	Y	-6.25
763		SISMICA	GLOBAL	Y	-23.79
764	SOVRAC	STATICO	GLOBAL	Y	-6.25
764		SISMICA	GLOBAL	Y	-23.79
765	SOVRAC	STATICO	GLOBAL	Y	-6.25
765		SISMICA	GLOBAL	Y	-23.79
766	SOVRAC	STATICO	GLOBAL	Y	-6.25
766		SISMICA	GLOBAL	Y	-23.79
767	SOVRAC	STATICO	GLOBAL	Y	-6.25
767		SISMICA	GLOBAL	Y	-23.79
768	SOVRAC	STATICO	GLOBAL	Y	-6.25
768		SISMICA	GLOBAL	Y	-23.79
769	SOVRAC	STATICO	GLOBAL	Y	-6.25
769		SISMICA	GLOBAL	Y	-23.79
770	SOVRAC	STATICO	GLOBAL	Y	-6.25
770		SISMICA	GLOBAL	Y	-23.79
771	SOVRAC	STATICO	GLOBAL	Y	-6.25
771		SISMICA	GLOBAL	Y	-23.79
772	SOVRAC	STATICO	GLOBAL	Y	-6.25
772		SISMICA	GLOBAL	Y	-23.79
773	SOVRAC	STATICO	GLOBAL	Y	-6.25
773		SISMICA	GLOBAL	Y	-23.79
774	SOVRAC	STATICO	GLOBAL	Y	-6.25
774		SISMICA	GLOBAL	Y	-23.79
775	SOVRAC	STATICO	GLOBAL	Y	-6.25
775		SISMICA	GLOBAL	Y	-23.79
776	SOVRAC	STATICO	GLOBAL	Y	-6.25
776		SISMICA	GLOBAL	Y	-23.79
777	SOVRAC	STATICO	GLOBAL	Y	-6.25
777		SISMICA	GLOBAL	Y	-23.79
778	SOVRAC	STATICO	GLOBAL	Y	-6.25
778		SISMICA	GLOBAL	Y	-23.79
779	SOVRAC	STATICO	GLOBAL	Y	-6.25
779		SISMICA	GLOBAL	Y	-23.79
780	SOVRAC	STATICO	GLOBAL	Y	-6.25
780		SISMICA	GLOBAL	Y	-23.79
781	SOVRAC	STATICO	GLOBAL	Y	-6.25
781		SISMICA	GLOBAL	Y	-23.79
782	SOVRAC	STATICO	GLOBAL	Y	-6.25
782		SISMICA	GLOBAL	Y	-23.79
783	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

783		SISMICA	GLOBAL	Y	-23.79
784	SOVRAC	STATICO	GLOBAL	Y	-6.25
784		SISMICA	GLOBAL	Y	-23.79
785	SOVRAC	STATICO	GLOBAL	Y	-6.25
785		SISMICA	GLOBAL	Y	-23.79
786	SOVRAC	STATICO	GLOBAL	Y	-6.25
786		SISMICA	GLOBAL	Y	-23.79
787	SOVRAC	STATICO	GLOBAL	Y	-6.25
787		SISMICA	GLOBAL	Y	-23.79
788	SOVRAC	STATICO	GLOBAL	Y	-6.25
788		SISMICA	GLOBAL	Y	-23.79
790	SOVRAC	STATICO	GLOBAL	Y	-6.25
790		SISMICA	GLOBAL	Y	-23.79
791	SOVRAC	STATICO	GLOBAL	Y	-6.25
791		SISMICA	GLOBAL	Y	-23.79
792	SOVRAC	STATICO	GLOBAL	Y	-6.25
792		SISMICA	GLOBAL	Y	-23.79
793	SOVRAC	STATICO	GLOBAL	Y	-6.25
793		SISMICA	GLOBAL	Y	-23.79
794	SOVRAC	STATICO	GLOBAL	Y	-6.25
794		SISMICA	GLOBAL	Y	-23.79
795	SOVRAC	STATICO	GLOBAL	Y	-6.25
795		SISMICA	GLOBAL	Y	-23.79
796	SOVRAC	STATICO	GLOBAL	Y	-6.25
796		SISMICA	GLOBAL	Y	-23.79
797	SOVRAC	STATICO	GLOBAL	Y	-6.25
797		SISMICA	GLOBAL	Y	-23.79
798	SOVRAC	STATICO	GLOBAL	Y	-6.25
798		SISMICA	GLOBAL	Y	-23.79
799	SOVRAC	STATICO	GLOBAL	Y	-6.25
799		SISMICA	GLOBAL	Y	-23.79
800	SOVRAC	STATICO	GLOBAL	Y	-6.25
800		SISMICA	GLOBAL	Y	-23.79
801	SOVRAC	STATICO	GLOBAL	Y	-6.25
801		SISMICA	GLOBAL	Y	-23.79
802	SOVRAC	STATICO	GLOBAL	Y	-6.25
802		SISMICA	GLOBAL	Y	-23.79
803	SOVRAC	STATICO	GLOBAL	Y	-6.25
803		SISMICA	GLOBAL	Y	-23.79
804	SOVRAC	STATICO	GLOBAL	Y	-6.25
804		SISMICA	GLOBAL	Y	-23.79
805	SOVRAC	STATICO	GLOBAL	Y	-6.25
805		SISMICA	GLOBAL	Y	-23.79
806	SOVRAC	STATICO	GLOBAL	Y	-6.25
806		SISMICA	GLOBAL	Y	-23.79
807	SOVRAC	STATICO	GLOBAL	Y	-6.25
807		SISMICA	GLOBAL	Y	-23.79
808	SOVRAC	STATICO	GLOBAL	Y	-6.25
808		SISMICA	GLOBAL	Y	-23.79
809	SOVRAC	STATICO	GLOBAL	Y	-6.25
809		SISMICA	GLOBAL	Y	-23.79
810	SOVRAC	STATICO	GLOBAL	Y	-6.25
810		SISMICA	GLOBAL	Y	-23.79
811	SOVRAC	STATICO	GLOBAL	Y	-6.25
811		SISMICA	GLOBAL	Y	-23.79
812	SOVRAC	STATICO	GLOBAL	Y	-6.25
812		SISMICA	GLOBAL	Y	-23.79
813	SOVRAC	STATICO	GLOBAL	Y	-6.25
813		SISMICA	GLOBAL	Y	-23.79
814	SOVRAC	STATICO	GLOBAL	Y	-6.25
814		SISMICA	GLOBAL	Y	-23.79
815	SOVRAC	STATICO	GLOBAL	Y	-6.25
815		SISMICA	GLOBAL	Y	-23.79
816	SOVRAC	STATICO	GLOBAL	Y	-6.25
816		SISMICA	GLOBAL	Y	-23.79
817	SOVRAC	STATICO	GLOBAL	Y	-6.25
817		SISMICA	GLOBAL	Y	-23.79
818	SOVRAC	STATICO	GLOBAL	Y	-6.25
818		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

819	SOVRAC	STATICO	GLOBAL	Y	-6.25
819		SISMICA	GLOBAL	Y	-23.79
820	SOVRAC	STATICO	GLOBAL	Y	-6.25
820		SISMICA	GLOBAL	Y	-23.79
822	SOVRAC	STATICO	GLOBAL	Y	-6.25
822		SISMICA	GLOBAL	Y	-23.79
823	SOVRAC	STATICO	GLOBAL	Y	-6.25
823		SISMICA	GLOBAL	Y	-23.79
824	SOVRAC	STATICO	GLOBAL	Y	-6.25
824		SISMICA	GLOBAL	Y	-23.79
825	SOVRAC	STATICO	GLOBAL	Y	-6.25
825		SISMICA	GLOBAL	Y	-23.79
826	SOVRAC	STATICO	GLOBAL	Y	-6.25
826		SISMICA	GLOBAL	Y	-23.79
827	SOVRAC	STATICO	GLOBAL	Y	-6.25
827		SISMICA	GLOBAL	Y	-23.79
828	SOVRAC	STATICO	GLOBAL	Y	-6.25
828		SISMICA	GLOBAL	Y	-23.79
829	SOVRAC	STATICO	GLOBAL	Y	-6.25
829		SISMICA	GLOBAL	Y	-23.79
830	SOVRAC	STATICO	GLOBAL	Y	-6.25
830		SISMICA	GLOBAL	Y	-23.79
831	SOVRAC	STATICO	GLOBAL	Y	-6.25
831		SISMICA	GLOBAL	Y	-23.79
832	SOVRAC	STATICO	GLOBAL	Y	-6.25
832		SISMICA	GLOBAL	Y	-23.79
833	SOVRAC	STATICO	GLOBAL	Y	-6.25
833		SISMICA	GLOBAL	Y	-23.79
834	SOVRAC	STATICO	GLOBAL	Y	-6.25
834		SISMICA	GLOBAL	Y	-23.79
835	SOVRAC	STATICO	GLOBAL	Y	-6.25
835		SISMICA	GLOBAL	Y	-23.79
836	SOVRAC	STATICO	GLOBAL	Y	-6.25
836		SISMICA	GLOBAL	Y	-23.79
837	SOVRAC	STATICO	GLOBAL	Y	-6.25
837		SISMICA	GLOBAL	Y	-23.79
838	SOVRAC	STATICO	GLOBAL	Y	-6.25
838		SISMICA	GLOBAL	Y	-23.79
839	SOVRAC	STATICO	GLOBAL	Y	-6.25
839		SISMICA	GLOBAL	Y	-23.79
840	SOVRAC	STATICO	GLOBAL	Y	-6.25
840		SISMICA	GLOBAL	Y	-23.79
841	SOVRAC	STATICO	GLOBAL	Y	-6.25
841		SISMICA	GLOBAL	Y	-23.79
842	SOVRAC	STATICO	GLOBAL	Y	-6.25
842		SISMICA	GLOBAL	Y	-23.79
843	SOVRAC	STATICO	GLOBAL	Y	-6.25
843		SISMICA	GLOBAL	Y	-23.79
844	SOVRAC	STATICO	GLOBAL	Y	-6.25
844		SISMICA	GLOBAL	Y	-23.79
845	SOVRAC	STATICO	GLOBAL	Y	-6.25
845		SISMICA	GLOBAL	Y	-23.79
846	SOVRAC	STATICO	GLOBAL	Y	-6.25
846		SISMICA	GLOBAL	Y	-23.79
847	SOVRAC	STATICO	GLOBAL	Y	-6.25
847		SISMICA	GLOBAL	Y	-23.79
848	SOVRAC	STATICO	GLOBAL	Y	-6.25
848		SISMICA	GLOBAL	Y	-23.79
849	SOVRAC	STATICO	GLOBAL	Y	-6.25
849		SISMICA	GLOBAL	Y	-23.79
850	SOVRAC	STATICO	GLOBAL	Y	-6.25
850		SISMICA	GLOBAL	Y	-23.79
851	SOVRAC	STATICO	GLOBAL	Y	-6.25
851		SISMICA	GLOBAL	Y	-23.79
853	SOVRAC	STATICO	GLOBAL	Y	-6.25
853		SISMICA	GLOBAL	Y	-23.79
854	SOVRAC	STATICO	GLOBAL	Y	-6.25
854		SISMICA	GLOBAL	Y	-23.79
855	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

855	SISMICA	GLOBAL	Y	-23.79
856	SOVRAC STATICO	GLOBAL	Y	-6.25
856	SISMICA	GLOBAL	Y	-23.79
857	SOVRAC STATICO	GLOBAL	Y	-6.25
857	SISMICA	GLOBAL	Y	-23.79
858	SOVRAC STATICO	GLOBAL	Y	-6.25
858	SISMICA	GLOBAL	Y	-23.79
859	SOVRAC STATICO	GLOBAL	Y	-6.25
859	SISMICA	GLOBAL	Y	-23.79
860	SOVRAC STATICO	GLOBAL	Y	-6.25
860	SISMICA	GLOBAL	Y	-23.79
861	SOVRAC STATICO	GLOBAL	Y	-6.25
861	SISMICA	GLOBAL	Y	-23.79
862	SOVRAC STATICO	GLOBAL	Y	-6.25
862	SISMICA	GLOBAL	Y	-23.79
863	SOVRAC STATICO	GLOBAL	Y	-6.25
863	SISMICA	GLOBAL	Y	-23.79
864	SOVRAC STATICO	GLOBAL	Y	-6.25
864	SISMICA	GLOBAL	Y	-23.79
865	SOVRAC STATICO	GLOBAL	Y	-6.25
865	SISMICA	GLOBAL	Y	-23.79
866	SOVRAC STATICO	GLOBAL	Y	-6.25
866	SISMICA	GLOBAL	Y	-23.79
867	SOVRAC STATICO	GLOBAL	Y	-6.25
867	SISMICA	GLOBAL	Y	-23.79
868	SOVRAC STATICO	GLOBAL	Y	-6.25
868	SISMICA	GLOBAL	Y	-23.79
869	SOVRAC STATICO	GLOBAL	Y	-6.25
869	SISMICA	GLOBAL	Y	-23.79
870	SOVRAC STATICO	GLOBAL	Y	-6.25
870	SISMICA	GLOBAL	Y	-23.79
871	SOVRAC STATICO	GLOBAL	Y	-6.25
871	SISMICA	GLOBAL	Y	-23.79
872	SOVRAC STATICO	GLOBAL	Y	-6.25
872	SISMICA	GLOBAL	Y	-23.79
873	SOVRAC STATICO	GLOBAL	Y	-6.25
873	SISMICA	GLOBAL	Y	-23.79
874	SOVRAC STATICO	GLOBAL	Y	-6.25
874	SISMICA	GLOBAL	Y	-23.79
875	SOVRAC STATICO	GLOBAL	Y	-6.25
875	SISMICA	GLOBAL	Y	-23.79
876	SOVRAC STATICO	GLOBAL	Y	-6.25
876	SISMICA	GLOBAL	Y	-23.79
877	SOVRAC STATICO	GLOBAL	Y	-6.25
877	SISMICA	GLOBAL	Y	-23.79
878	SOVRAC STATICO	GLOBAL	Y	-6.25
878	SISMICA	GLOBAL	Y	-23.79
879	SOVRAC STATICO	GLOBAL	Y	-6.25
879	SISMICA	GLOBAL	Y	-23.79
880	SOVRAC STATICO	GLOBAL	Y	-6.25
880	SISMICA	GLOBAL	Y	-23.79
881	SOVRAC STATICO	GLOBAL	Y	-6.25
881	SISMICA	GLOBAL	Y	-23.79
883	SOVRAC STATICO	GLOBAL	Y	-6.25
883	SISMICA	GLOBAL	Y	-23.79
884	SOVRAC STATICO	GLOBAL	Y	-6.25
884	SISMICA	GLOBAL	Y	-23.79
885	SOVRAC STATICO	GLOBAL	Y	-6.25
885	SISMICA	GLOBAL	Y	-23.79
886	SOVRAC STATICO	GLOBAL	Y	-6.25
886	SISMICA	GLOBAL	Y	-23.79
887	SOVRAC STATICO	GLOBAL	Y	-6.25
887	SISMICA	GLOBAL	Y	-23.79
888	SOVRAC STATICO	GLOBAL	Y	-6.25
888	SISMICA	GLOBAL	Y	-23.79
889	SOVRAC STATICO	GLOBAL	Y	-6.25
889	SISMICA	GLOBAL	Y	-23.79
890	SOVRAC STATICO	GLOBAL	Y	-6.25
890	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

891	SOVRAC	STATICO	GLOBAL	Y	-6.25
891		SISMICA	GLOBAL	Y	-23.79
892	SOVRAC	STATICO	GLOBAL	Y	-6.25
892		SISMICA	GLOBAL	Y	-23.79
893	SOVRAC	STATICO	GLOBAL	Y	-6.25
893		SISMICA	GLOBAL	Y	-23.79
894	SOVRAC	STATICO	GLOBAL	Y	-6.25
894		SISMICA	GLOBAL	Y	-23.79
895	SOVRAC	STATICO	GLOBAL	Y	-6.25
895		SISMICA	GLOBAL	Y	-23.79
896	SOVRAC	STATICO	GLOBAL	Y	-6.25
896		SISMICA	GLOBAL	Y	-23.79
897	SOVRAC	STATICO	GLOBAL	Y	-6.25
897		SISMICA	GLOBAL	Y	-23.79
898	SOVRAC	STATICO	GLOBAL	Y	-6.25
898		SISMICA	GLOBAL	Y	-23.79
899	SOVRAC	STATICO	GLOBAL	Y	-6.25
899		SISMICA	GLOBAL	Y	-23.79
900	SOVRAC	STATICO	GLOBAL	Y	-6.25
900		SISMICA	GLOBAL	Y	-23.79
901	SOVRAC	STATICO	GLOBAL	Y	-6.25
901		SISMICA	GLOBAL	Y	-23.79
902	SOVRAC	STATICO	GLOBAL	Y	-6.25
902		SISMICA	GLOBAL	Y	-23.79
903	SOVRAC	STATICO	GLOBAL	Y	-6.25
903		SISMICA	GLOBAL	Y	-23.79
904	SOVRAC	STATICO	GLOBAL	Y	-6.25
904		SISMICA	GLOBAL	Y	-23.79
905	SOVRAC	STATICO	GLOBAL	Y	-6.25
905		SISMICA	GLOBAL	Y	-23.79
906	SOVRAC	STATICO	GLOBAL	Y	-6.25
906		SISMICA	GLOBAL	Y	-23.79
907	SOVRAC	STATICO	GLOBAL	Y	-6.25
907		SISMICA	GLOBAL	Y	-23.79
908	SOVRAC	STATICO	GLOBAL	Y	-6.25
908		SISMICA	GLOBAL	Y	-23.79
909	SOVRAC	STATICO	GLOBAL	Y	-6.25
909		SISMICA	GLOBAL	Y	-23.79
910	SOVRAC	STATICO	GLOBAL	Y	-6.25
910		SISMICA	GLOBAL	Y	-23.79
912	SOVRAC	STATICO	GLOBAL	Y	-6.25
912		SISMICA	GLOBAL	Y	-23.79
913	SOVRAC	STATICO	GLOBAL	Y	-6.25
913		SISMICA	GLOBAL	Y	-23.79
914	SOVRAC	STATICO	GLOBAL	Y	-6.25
914		SISMICA	GLOBAL	Y	-23.79
915	SOVRAC	STATICO	GLOBAL	Y	-6.25
915		SISMICA	GLOBAL	Y	-23.79
916	SOVRAC	STATICO	GLOBAL	Y	-6.25
916		SISMICA	GLOBAL	Y	-23.79
917	SOVRAC	STATICO	GLOBAL	Y	-6.25
917		SISMICA	GLOBAL	Y	-23.79
918	SOVRAC	STATICO	GLOBAL	Y	-6.25
918		SISMICA	GLOBAL	Y	-23.79
919	SOVRAC	STATICO	GLOBAL	Y	-6.25
919		SISMICA	GLOBAL	Y	-23.79
920	SOVRAC	STATICO	GLOBAL	Y	-6.25
920		SISMICA	GLOBAL	Y	-23.79
921	SOVRAC	STATICO	GLOBAL	Y	-6.25
921		SISMICA	GLOBAL	Y	-23.79
922	SOVRAC	STATICO	GLOBAL	Y	-6.25
922		SISMICA	GLOBAL	Y	-23.79
923	SOVRAC	STATICO	GLOBAL	Y	-6.25
923		SISMICA	GLOBAL	Y	-23.79
924	SOVRAC	STATICO	GLOBAL	Y	-6.25
924		SISMICA	GLOBAL	Y	-23.79
925	SOVRAC	STATICO	GLOBAL	Y	-6.25
925		SISMICA	GLOBAL	Y	-23.79
926	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

926	SISMICA	GLOBAL	Y	-23.79
927	SOVRAC STATICO	GLOBAL	Y	-6.25
927	SISMICA	GLOBAL	Y	-23.79
928	SOVRAC STATICO	GLOBAL	Y	-6.25
928	SISMICA	GLOBAL	Y	-23.79
929	SOVRAC STATICO	GLOBAL	Y	-6.25
929	SISMICA	GLOBAL	Y	-23.79
930	SOVRAC STATICO	GLOBAL	Y	-6.25
930	SISMICA	GLOBAL	Y	-23.79
931	SOVRAC STATICO	GLOBAL	Y	-6.25
931	SISMICA	GLOBAL	Y	-23.79
932	SOVRAC STATICO	GLOBAL	Y	-6.25
932	SISMICA	GLOBAL	Y	-23.79
933	SOVRAC STATICO	GLOBAL	Y	-6.25
933	SISMICA	GLOBAL	Y	-23.79
934	SOVRAC STATICO	GLOBAL	Y	-6.25
934	SISMICA	GLOBAL	Y	-23.79
935	SOVRAC STATICO	GLOBAL	Y	-6.25
935	SISMICA	GLOBAL	Y	-23.79
936	SOVRAC STATICO	GLOBAL	Y	-6.25
936	SISMICA	GLOBAL	Y	-23.79
937	SOVRAC STATICO	GLOBAL	Y	-6.25
937	SISMICA	GLOBAL	Y	-23.79
938	SOVRAC STATICO	GLOBAL	Y	-6.25
938	SISMICA	GLOBAL	Y	-23.79
940	SOVRAC STATICO	GLOBAL	Y	-6.25
940	SISMICA	GLOBAL	Y	-23.79
941	SOVRAC STATICO	GLOBAL	Y	-6.25
941	SISMICA	GLOBAL	Y	-23.79
942	SOVRAC STATICO	GLOBAL	Y	-6.25
942	SISMICA	GLOBAL	Y	-23.79
943	SOVRAC STATICO	GLOBAL	Y	-6.25
943	SISMICA	GLOBAL	Y	-23.79
944	SOVRAC STATICO	GLOBAL	Y	-6.25
944	SISMICA	GLOBAL	Y	-23.79
945	SOVRAC STATICO	GLOBAL	Y	-6.25
945	SISMICA	GLOBAL	Y	-23.79
946	SOVRAC STATICO	GLOBAL	Y	-6.25
946	SISMICA	GLOBAL	Y	-23.79
947	SOVRAC STATICO	GLOBAL	Y	-6.25
947	SISMICA	GLOBAL	Y	-23.79
948	SOVRAC STATICO	GLOBAL	Y	-6.25
948	SISMICA	GLOBAL	Y	-23.79
949	SOVRAC STATICO	GLOBAL	Y	-6.25
949	SISMICA	GLOBAL	Y	-23.79
950	SOVRAC STATICO	GLOBAL	Y	-6.25
950	SISMICA	GLOBAL	Y	-23.79
951	SOVRAC STATICO	GLOBAL	Y	-6.25
951	SISMICA	GLOBAL	Y	-23.79
952	SOVRAC STATICO	GLOBAL	Y	-6.25
952	SISMICA	GLOBAL	Y	-23.79
953	SOVRAC STATICO	GLOBAL	Y	-6.25
953	SISMICA	GLOBAL	Y	-23.79
954	SOVRAC STATICO	GLOBAL	Y	-6.25
954	SISMICA	GLOBAL	Y	-23.79
955	SOVRAC STATICO	GLOBAL	Y	-6.25
955	SISMICA	GLOBAL	Y	-23.79
956	SOVRAC STATICO	GLOBAL	Y	-6.25
956	SISMICA	GLOBAL	Y	-23.79
957	SOVRAC STATICO	GLOBAL	Y	-6.25
957	SISMICA	GLOBAL	Y	-23.79
958	SOVRAC STATICO	GLOBAL	Y	-6.25
958	SISMICA	GLOBAL	Y	-23.79
959	SOVRAC STATICO	GLOBAL	Y	-6.25
959	SISMICA	GLOBAL	Y	-23.79
960	SOVRAC STATICO	GLOBAL	Y	-6.25
960	SISMICA	GLOBAL	Y	-23.79
961	SOVRAC STATICO	GLOBAL	Y	-6.25
961	SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

962	SOVRAC	STATICO	GLOBAL	Y	-6.25
962		SISMICA	GLOBAL	Y	-23.79
963	SOVRAC	STATICO	GLOBAL	Y	-6.25
963		SISMICA	GLOBAL	Y	-23.79
964	SOVRAC	STATICO	GLOBAL	Y	-6.25
964		SISMICA	GLOBAL	Y	-23.79
965	SOVRAC	STATICO	GLOBAL	Y	-6.25
965		SISMICA	GLOBAL	Y	-23.79
967	SOVRAC	STATICO	GLOBAL	Y	-6.25
967		SISMICA	GLOBAL	Y	-23.79
968	SOVRAC	STATICO	GLOBAL	Y	-6.25
968		SISMICA	GLOBAL	Y	-23.79
969	SOVRAC	STATICO	GLOBAL	Y	-6.25
969		SISMICA	GLOBAL	Y	-23.79
970	SOVRAC	STATICO	GLOBAL	Y	-6.25
970		SISMICA	GLOBAL	Y	-23.79
971	SOVRAC	STATICO	GLOBAL	Y	-6.25
971		SISMICA	GLOBAL	Y	-23.79
972	SOVRAC	STATICO	GLOBAL	Y	-6.25
972		SISMICA	GLOBAL	Y	-23.79
973	SOVRAC	STATICO	GLOBAL	Y	-6.25
973		SISMICA	GLOBAL	Y	-23.79
974	SOVRAC	STATICO	GLOBAL	Y	-6.25
974		SISMICA	GLOBAL	Y	-23.79
975	SOVRAC	STATICO	GLOBAL	Y	-6.25
975		SISMICA	GLOBAL	Y	-23.79
976	SOVRAC	STATICO	GLOBAL	Y	-6.25
976		SISMICA	GLOBAL	Y	-23.79
977	SOVRAC	STATICO	GLOBAL	Y	-6.25
977		SISMICA	GLOBAL	Y	-23.79
978	SOVRAC	STATICO	GLOBAL	Y	-6.25
978		SISMICA	GLOBAL	Y	-23.79
979	SOVRAC	STATICO	GLOBAL	Y	-6.25
979		SISMICA	GLOBAL	Y	-23.79
980	SOVRAC	STATICO	GLOBAL	Y	-6.25
980		SISMICA	GLOBAL	Y	-23.79
981	SOVRAC	STATICO	GLOBAL	Y	-6.25
981		SISMICA	GLOBAL	Y	-23.79
982	SOVRAC	STATICO	GLOBAL	Y	-6.25
982		SISMICA	GLOBAL	Y	-23.79
983	SOVRAC	STATICO	GLOBAL	Y	-6.25
983		SISMICA	GLOBAL	Y	-23.79
984	SOVRAC	STATICO	GLOBAL	Y	-6.25
984		SISMICA	GLOBAL	Y	-23.79
985	SOVRAC	STATICO	GLOBAL	Y	-6.25
985		SISMICA	GLOBAL	Y	-23.79
986	SOVRAC	STATICO	GLOBAL	Y	-6.25
986		SISMICA	GLOBAL	Y	-23.79
987	SOVRAC	STATICO	GLOBAL	Y	-6.25
987		SISMICA	GLOBAL	Y	-23.79
988	SOVRAC	STATICO	GLOBAL	Y	-6.25
988		SISMICA	GLOBAL	Y	-23.79
989	SOVRAC	STATICO	GLOBAL	Y	-6.25
989		SISMICA	GLOBAL	Y	-23.79
990	SOVRAC	STATICO	GLOBAL	Y	-6.25
990		SISMICA	GLOBAL	Y	-23.79
991	SOVRAC	STATICO	GLOBAL	Y	-6.25
991		SISMICA	GLOBAL	Y	-23.79
993	SOVRAC	STATICO	GLOBAL	Y	-6.25
993		SISMICA	GLOBAL	Y	-23.79
994	SOVRAC	STATICO	GLOBAL	Y	-6.25
994		SISMICA	GLOBAL	Y	-23.79
995	SOVRAC	STATICO	GLOBAL	Y	-6.25
995		SISMICA	GLOBAL	Y	-23.79
996	SOVRAC	STATICO	GLOBAL	Y	-6.25
996		SISMICA	GLOBAL	Y	-23.79
997	SOVRAC	STATICO	GLOBAL	Y	-6.25
997		SISMICA	GLOBAL	Y	-23.79
998	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

998	SISMICA	GLOBAL	Y	-23.79
999	SOVRAC STATICO	GLOBAL	Y	-6.25
999	SISMICA	GLOBAL	Y	-23.79
1000	SOVRAC STATICO	GLOBAL	Y	-6.25
1000	SISMICA	GLOBAL	Y	-23.79
1001	SOVRAC STATICO	GLOBAL	Y	-6.25
1001	SISMICA	GLOBAL	Y	-23.79
1002	SOVRAC STATICO	GLOBAL	Y	-6.25
1002	SISMICA	GLOBAL	Y	-23.79
1003	SOVRAC STATICO	GLOBAL	Y	-6.25
1003	SISMICA	GLOBAL	Y	-23.79
1004	SOVRAC STATICO	GLOBAL	Y	-6.25
1004	SISMICA	GLOBAL	Y	-23.79
1005	SOVRAC STATICO	GLOBAL	Y	-6.25
1005	SISMICA	GLOBAL	Y	-23.79
1006	SOVRAC STATICO	GLOBAL	Y	-6.25
1006	SISMICA	GLOBAL	Y	-23.79
1007	SOVRAC STATICO	GLOBAL	Y	-6.25
1007	SISMICA	GLOBAL	Y	-23.79
1008	SOVRAC STATICO	GLOBAL	Y	-6.25
1008	SISMICA	GLOBAL	Y	-23.79
1009	SOVRAC STATICO	GLOBAL	Y	-6.25
1009	SISMICA	GLOBAL	Y	-23.79
1010	SOVRAC STATICO	GLOBAL	Y	-6.25
1010	SISMICA	GLOBAL	Y	-23.79
1011	SOVRAC STATICO	GLOBAL	Y	-6.25
1011	SISMICA	GLOBAL	Y	-23.79
1012	SOVRAC STATICO	GLOBAL	Y	-6.25
1012	SISMICA	GLOBAL	Y	-23.79
1013	SOVRAC STATICO	GLOBAL	Y	-6.25
1013	SISMICA	GLOBAL	Y	-23.79
1014	SOVRAC STATICO	GLOBAL	Y	-6.25
1014	SISMICA	GLOBAL	Y	-23.79
1015	SOVRAC STATICO	GLOBAL	Y	-6.25
1015	SISMICA	GLOBAL	Y	-23.79
1016	SOVRAC STATICO	GLOBAL	Y	-6.25
1016	SISMICA	GLOBAL	Y	-23.79
1018	SOVRAC STATICO	GLOBAL	Y	-6.25
1018	SISMICA	GLOBAL	Y	-23.79
1019	SOVRAC STATICO	GLOBAL	Y	-6.25
1019	SISMICA	GLOBAL	Y	-23.79
1020	SOVRAC STATICO	GLOBAL	Y	-6.25
1020	SISMICA	GLOBAL	Y	-23.79
1021	SOVRAC STATICO	GLOBAL	Y	-6.25
1021	SISMICA	GLOBAL	Y	-23.79
1022	SOVRAC STATICO	GLOBAL	Y	-6.25
1022	SISMICA	GLOBAL	Y	-23.79
1023	SOVRAC STATICO	GLOBAL	Y	-6.25
1023	SISMICA	GLOBAL	Y	-23.79
1024	SOVRAC STATICO	GLOBAL	Y	-6.25
1024	SISMICA	GLOBAL	Y	-23.79
1025	SOVRAC STATICO	GLOBAL	Y	-6.25
1025	SISMICA	GLOBAL	Y	-23.79
1026	SOVRAC STATICO	GLOBAL	Y	-6.25
1026	SISMICA	GLOBAL	Y	-23.79
1027	SOVRAC STATICO	GLOBAL	Y	-6.25
1027	SISMICA	GLOBAL	Y	-23.79
1028	SOVRAC STATICO	GLOBAL	Y	-6.25
1028	SISMICA	GLOBAL	Y	-23.79
1029	SOVRAC STATICO	GLOBAL	Y	-6.25
1029	SISMICA	GLOBAL	Y	-23.79
1030	SOVRAC STATICO	GLOBAL	Y	-6.25
1030	SISMICA	GLOBAL	Y	-23.79
1031	SOVRAC STATICO	GLOBAL	Y	-6.25
1031	SISMICA	GLOBAL	Y	-23.79
1032	SOVRAC STATICO	GLOBAL	Y	-6.25
1032	SISMICA	GLOBAL	Y	-23.79
1033	SOVRAC STATICO	GLOBAL	Y	-6.25
1033	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1034	SOVRAC	STATICO	GLOBAL	Y	-6.25
1034		SISMICA	GLOBAL	Y	-23.79
1035	SOVRAC	STATICO	GLOBAL	Y	-6.25
1035		SISMICA	GLOBAL	Y	-23.79
1036	SOVRAC	STATICO	GLOBAL	Y	-6.25
1036		SISMICA	GLOBAL	Y	-23.79
1037	SOVRAC	STATICO	GLOBAL	Y	-6.25
1037		SISMICA	GLOBAL	Y	-23.79
1038	SOVRAC	STATICO	GLOBAL	Y	-6.25
1038		SISMICA	GLOBAL	Y	-23.79
1039	SOVRAC	STATICO	GLOBAL	Y	-6.25
1039		SISMICA	GLOBAL	Y	-23.79
1040	SOVRAC	STATICO	GLOBAL	Y	-6.25
1040		SISMICA	GLOBAL	Y	-23.79
1042	SOVRAC	STATICO	GLOBAL	Y	-6.25
1042		SISMICA	GLOBAL	Y	-23.79
1043	SOVRAC	STATICO	GLOBAL	Y	-6.25
1043		SISMICA	GLOBAL	Y	-23.79
1044	SOVRAC	STATICO	GLOBAL	Y	-6.25
1044		SISMICA	GLOBAL	Y	-23.79
1045	SOVRAC	STATICO	GLOBAL	Y	-6.25
1045		SISMICA	GLOBAL	Y	-23.79
1046	SOVRAC	STATICO	GLOBAL	Y	-6.25
1046		SISMICA	GLOBAL	Y	-23.79
1047	SOVRAC	STATICO	GLOBAL	Y	-6.25
1047		SISMICA	GLOBAL	Y	-23.79
1048	SOVRAC	STATICO	GLOBAL	Y	-6.25
1048		SISMICA	GLOBAL	Y	-23.79
1049	SOVRAC	STATICO	GLOBAL	Y	-6.25
1049		SISMICA	GLOBAL	Y	-23.79
1050	SOVRAC	STATICO	GLOBAL	Y	-6.25
1050		SISMICA	GLOBAL	Y	-23.79
1051	SOVRAC	STATICO	GLOBAL	Y	-6.25
1051		SISMICA	GLOBAL	Y	-23.79
1052	SOVRAC	STATICO	GLOBAL	Y	-6.25
1052		SISMICA	GLOBAL	Y	-23.79
1053	SOVRAC	STATICO	GLOBAL	Y	-6.25
1053		SISMICA	GLOBAL	Y	-23.79
1054	SOVRAC	STATICO	GLOBAL	Y	-6.25
1054		SISMICA	GLOBAL	Y	-23.79
1055	SOVRAC	STATICO	GLOBAL	Y	-6.25
1055		SISMICA	GLOBAL	Y	-23.79
1056	SOVRAC	STATICO	GLOBAL	Y	-6.25
1056		SISMICA	GLOBAL	Y	-23.79
1057	SOVRAC	STATICO	GLOBAL	Y	-6.25
1057		SISMICA	GLOBAL	Y	-23.79
1058	SOVRAC	STATICO	GLOBAL	Y	-6.25
1058		SISMICA	GLOBAL	Y	-23.79
1059	SOVRAC	STATICO	GLOBAL	Y	-6.25
1059		SISMICA	GLOBAL	Y	-23.79
1060	SOVRAC	STATICO	GLOBAL	Y	-6.25
1060		SISMICA	GLOBAL	Y	-23.79
1061	SOVRAC	STATICO	GLOBAL	Y	-6.25
1061		SISMICA	GLOBAL	Y	-23.79
1062	SOVRAC	STATICO	GLOBAL	Y	-6.25
1062		SISMICA	GLOBAL	Y	-23.79
1063	SOVRAC	STATICO	GLOBAL	Y	-6.25
1063		SISMICA	GLOBAL	Y	-23.79
1065	SOVRAC	STATICO	GLOBAL	Y	-6.25
1065		SISMICA	GLOBAL	Y	-23.79
1066	SOVRAC	STATICO	GLOBAL	Y	-6.25
1066		SISMICA	GLOBAL	Y	-23.79
1067	SOVRAC	STATICO	GLOBAL	Y	-6.25
1067		SISMICA	GLOBAL	Y	-23.79
1068	SOVRAC	STATICO	GLOBAL	Y	-6.25
1068		SISMICA	GLOBAL	Y	-23.79
1069	SOVRAC	STATICO	GLOBAL	Y	-6.25
1069		SISMICA	GLOBAL	Y	-23.79
1070	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1070		SISMICA	GLOBAL	Y	-23.79
1071	SOVRAC	STATICO	GLOBAL	Y	-6.25
1071		SISMICA	GLOBAL	Y	-23.79
1072	SOVRAC	STATICO	GLOBAL	Y	-6.25
1072		SISMICA	GLOBAL	Y	-23.79
1073	SOVRAC	STATICO	GLOBAL	Y	-6.25
1073		SISMICA	GLOBAL	Y	-23.79
1074	SOVRAC	STATICO	GLOBAL	Y	-6.25
1074		SISMICA	GLOBAL	Y	-23.79
1075	SOVRAC	STATICO	GLOBAL	Y	-6.25
1075		SISMICA	GLOBAL	Y	-23.79
1076	SOVRAC	STATICO	GLOBAL	Y	-6.25
1076		SISMICA	GLOBAL	Y	-23.79
1077	SOVRAC	STATICO	GLOBAL	Y	-6.25
1077		SISMICA	GLOBAL	Y	-23.79
1078	SOVRAC	STATICO	GLOBAL	Y	-6.25
1078		SISMICA	GLOBAL	Y	-23.79
1079	SOVRAC	STATICO	GLOBAL	Y	-6.25
1079		SISMICA	GLOBAL	Y	-23.79
1080	SOVRAC	STATICO	GLOBAL	Y	-6.25
1080		SISMICA	GLOBAL	Y	-23.79
1081	SOVRAC	STATICO	GLOBAL	Y	-6.25
1081		SISMICA	GLOBAL	Y	-23.79
1082	SOVRAC	STATICO	GLOBAL	Y	-6.25
1082		SISMICA	GLOBAL	Y	-23.79
1083	SOVRAC	STATICO	GLOBAL	Y	-6.25
1083		SISMICA	GLOBAL	Y	-23.79
1084	SOVRAC	STATICO	GLOBAL	Y	-6.25
1084		SISMICA	GLOBAL	Y	-23.79
1085	SOVRAC	STATICO	GLOBAL	Y	-6.25
1085		SISMICA	GLOBAL	Y	-23.79
1087	SOVRAC	STATICO	GLOBAL	Y	-6.25
1087		SISMICA	GLOBAL	Y	-23.79
1088	SOVRAC	STATICO	GLOBAL	Y	-6.25
1088		SISMICA	GLOBAL	Y	-23.79
1089	SOVRAC	STATICO	GLOBAL	Y	-6.25
1089		SISMICA	GLOBAL	Y	-23.79
1090	SOVRAC	STATICO	GLOBAL	Y	-6.25
1090		SISMICA	GLOBAL	Y	-23.79
1091	SOVRAC	STATICO	GLOBAL	Y	-6.25
1091		SISMICA	GLOBAL	Y	-23.79
1092	SOVRAC	STATICO	GLOBAL	Y	-6.25
1092		SISMICA	GLOBAL	Y	-23.79
1093	SOVRAC	STATICO	GLOBAL	Y	-6.25
1093		SISMICA	GLOBAL	Y	-23.79
1094	SOVRAC	STATICO	GLOBAL	Y	-6.25
1094		SISMICA	GLOBAL	Y	-23.79
1095	SOVRAC	STATICO	GLOBAL	Y	-6.25
1095		SISMICA	GLOBAL	Y	-23.79
1096	SOVRAC	STATICO	GLOBAL	Y	-6.25
1096		SISMICA	GLOBAL	Y	-23.79
1097	SOVRAC	STATICO	GLOBAL	Y	-6.25
1097		SISMICA	GLOBAL	Y	-23.79
1098	SOVRAC	STATICO	GLOBAL	Y	-6.25
1098		SISMICA	GLOBAL	Y	-23.79
1099	SOVRAC	STATICO	GLOBAL	Y	-6.25
1099		SISMICA	GLOBAL	Y	-23.79
1100	SOVRAC	STATICO	GLOBAL	Y	-6.25
1100		SISMICA	GLOBAL	Y	-23.79
1101	SOVRAC	STATICO	GLOBAL	Y	-6.25
1101		SISMICA	GLOBAL	Y	-23.79
1102	SOVRAC	STATICO	GLOBAL	Y	-6.25
1102		SISMICA	GLOBAL	Y	-23.79
1103	SOVRAC	STATICO	GLOBAL	Y	-6.25
1103		SISMICA	GLOBAL	Y	-23.79
1104	SOVRAC	STATICO	GLOBAL	Y	-6.25
1104		SISMICA	GLOBAL	Y	-23.79
1105	SOVRAC	STATICO	GLOBAL	Y	-6.25
1105		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1106	SOVRAC	STATICO	GLOBAL	Y	-6.25
1106		SISMICA	GLOBAL	Y	-23.79
1108	SOVRAC	STATICO	GLOBAL	Y	-6.25
1108		SISMICA	GLOBAL	Y	-23.79
1109	SOVRAC	STATICO	GLOBAL	Y	-6.25
1109		SISMICA	GLOBAL	Y	-23.79
1110	SOVRAC	STATICO	GLOBAL	Y	-6.25
1110		SISMICA	GLOBAL	Y	-23.79
1111	SOVRAC	STATICO	GLOBAL	Y	-6.25
1111		SISMICA	GLOBAL	Y	-23.79
1112	SOVRAC	STATICO	GLOBAL	Y	-6.25
1112		SISMICA	GLOBAL	Y	-23.79
1113	SOVRAC	STATICO	GLOBAL	Y	-6.25
1113		SISMICA	GLOBAL	Y	-23.79
1114	SOVRAC	STATICO	GLOBAL	Y	-6.25
1114		SISMICA	GLOBAL	Y	-23.79
1115	SOVRAC	STATICO	GLOBAL	Y	-6.25
1115		SISMICA	GLOBAL	Y	-23.79
1116	SOVRAC	STATICO	GLOBAL	Y	-6.25
1116		SISMICA	GLOBAL	Y	-23.79
1117	SOVRAC	STATICO	GLOBAL	Y	-6.25
1117		SISMICA	GLOBAL	Y	-23.79
1118	SOVRAC	STATICO	GLOBAL	Y	-6.25
1118		SISMICA	GLOBAL	Y	-23.79
1119	SOVRAC	STATICO	GLOBAL	Y	-6.25
1119		SISMICA	GLOBAL	Y	-23.79
1120	SOVRAC	STATICO	GLOBAL	Y	-6.25
1120		SISMICA	GLOBAL	Y	-23.79
1121	SOVRAC	STATICO	GLOBAL	Y	-6.25
1121		SISMICA	GLOBAL	Y	-23.79
1122	SOVRAC	STATICO	GLOBAL	Y	-6.25
1122		SISMICA	GLOBAL	Y	-23.79
1123	SOVRAC	STATICO	GLOBAL	Y	-6.25
1123		SISMICA	GLOBAL	Y	-23.79
1124	SOVRAC	STATICO	GLOBAL	Y	-6.25
1124		SISMICA	GLOBAL	Y	-23.79
1125	SOVRAC	STATICO	GLOBAL	Y	-6.25
1125		SISMICA	GLOBAL	Y	-23.79
1126	SOVRAC	STATICO	GLOBAL	Y	-6.25
1126		SISMICA	GLOBAL	Y	-23.79
1128	SOVRAC	STATICO	GLOBAL	Y	-6.25
1128		SISMICA	GLOBAL	Y	-23.79
1129	SOVRAC	STATICO	GLOBAL	Y	-6.25
1129		SISMICA	GLOBAL	Y	-23.79
1130	SOVRAC	STATICO	GLOBAL	Y	-6.25
1130		SISMICA	GLOBAL	Y	-23.79
1131	SOVRAC	STATICO	GLOBAL	Y	-6.25
1131		SISMICA	GLOBAL	Y	-23.79
1132	SOVRAC	STATICO	GLOBAL	Y	-6.25
1132		SISMICA	GLOBAL	Y	-23.79
1133	SOVRAC	STATICO	GLOBAL	Y	-6.25
1133		SISMICA	GLOBAL	Y	-23.79
1134	SOVRAC	STATICO	GLOBAL	Y	-6.25
1134		SISMICA	GLOBAL	Y	-23.79
1135	SOVRAC	STATICO	GLOBAL	Y	-6.25
1135		SISMICA	GLOBAL	Y	-23.79
1136	SOVRAC	STATICO	GLOBAL	Y	-6.25
1136		SISMICA	GLOBAL	Y	-23.79
1137	SOVRAC	STATICO	GLOBAL	Y	-6.25
1137		SISMICA	GLOBAL	Y	-23.79
1138	SOVRAC	STATICO	GLOBAL	Y	-6.25
1138		SISMICA	GLOBAL	Y	-23.79
1139	SOVRAC	STATICO	GLOBAL	Y	-6.25
1139		SISMICA	GLOBAL	Y	-23.79
1140	SOVRAC	STATICO	GLOBAL	Y	-6.25
1140		SISMICA	GLOBAL	Y	-23.79
1141	SOVRAC	STATICO	GLOBAL	Y	-6.25
1141		SISMICA	GLOBAL	Y	-23.79
1142	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1142		SISMICA	GLOBAL	Y	-23.79
1143	SOVRAC	STATICO	GLOBAL	Y	-6.25
1143		SISMICA	GLOBAL	Y	-23.79
1144	SOVRAC	STATICO	GLOBAL	Y	-6.25
1144		SISMICA	GLOBAL	Y	-23.79
1145	SOVRAC	STATICO	GLOBAL	Y	-6.25
1145		SISMICA	GLOBAL	Y	-23.79
1147	SOVRAC	STATICO	GLOBAL	Y	-6.25
1147		SISMICA	GLOBAL	Y	-23.79
1148	SOVRAC	STATICO	GLOBAL	Y	-6.25
1148		SISMICA	GLOBAL	Y	-23.79
1149	SOVRAC	STATICO	GLOBAL	Y	-6.25
1149		SISMICA	GLOBAL	Y	-23.79
1150	SOVRAC	STATICO	GLOBAL	Y	-6.25
1150		SISMICA	GLOBAL	Y	-23.79
1151	SOVRAC	STATICO	GLOBAL	Y	-6.25
1151		SISMICA	GLOBAL	Y	-23.79
1152	SOVRAC	STATICO	GLOBAL	Y	-6.25
1152		SISMICA	GLOBAL	Y	-23.79
1153	SOVRAC	STATICO	GLOBAL	Y	-6.25
1153		SISMICA	GLOBAL	Y	-23.79
1154	SOVRAC	STATICO	GLOBAL	Y	-6.25
1154		SISMICA	GLOBAL	Y	-23.79
1155	SOVRAC	STATICO	GLOBAL	Y	-6.25
1155		SISMICA	GLOBAL	Y	-23.79
1156	SOVRAC	STATICO	GLOBAL	Y	-6.25
1156		SISMICA	GLOBAL	Y	-23.79
1157	SOVRAC	STATICO	GLOBAL	Y	-6.25
1157		SISMICA	GLOBAL	Y	-23.79
1158	SOVRAC	STATICO	GLOBAL	Y	-6.25
1158		SISMICA	GLOBAL	Y	-23.79
1159	SOVRAC	STATICO	GLOBAL	Y	-6.25
1159		SISMICA	GLOBAL	Y	-23.79
1160	SOVRAC	STATICO	GLOBAL	Y	-6.25
1160		SISMICA	GLOBAL	Y	-23.79
1161	SOVRAC	STATICO	GLOBAL	Y	-6.25
1161		SISMICA	GLOBAL	Y	-23.79
1162	SOVRAC	STATICO	GLOBAL	Y	-6.25
1162		SISMICA	GLOBAL	Y	-23.79
1163	SOVRAC	STATICO	GLOBAL	Y	-6.25
1163		SISMICA	GLOBAL	Y	-23.79
1165	SOVRAC	STATICO	GLOBAL	Y	-6.25
1165		SISMICA	GLOBAL	Y	-23.79
1166	SOVRAC	STATICO	GLOBAL	Y	-6.25
1166		SISMICA	GLOBAL	Y	-23.79
1167	SOVRAC	STATICO	GLOBAL	Y	-6.25
1167		SISMICA	GLOBAL	Y	-23.79
1168	SOVRAC	STATICO	GLOBAL	Y	-6.25
1168		SISMICA	GLOBAL	Y	-23.79
1169	SOVRAC	STATICO	GLOBAL	Y	-6.25
1169		SISMICA	GLOBAL	Y	-23.79
1170	SOVRAC	STATICO	GLOBAL	Y	-6.25
1170		SISMICA	GLOBAL	Y	-23.79
1171	SOVRAC	STATICO	GLOBAL	Y	-6.25
1171		SISMICA	GLOBAL	Y	-23.79
1172	SOVRAC	STATICO	GLOBAL	Y	-6.25
1172		SISMICA	GLOBAL	Y	-23.79
1173	SOVRAC	STATICO	GLOBAL	Y	-6.25
1173		SISMICA	GLOBAL	Y	-23.79
1174	SOVRAC	STATICO	GLOBAL	Y	-6.25
1174		SISMICA	GLOBAL	Y	-23.79
1175	SOVRAC	STATICO	GLOBAL	Y	-6.25
1175		SISMICA	GLOBAL	Y	-23.79
1176	SOVRAC	STATICO	GLOBAL	Y	-6.25
1176		SISMICA	GLOBAL	Y	-23.79
1177	SOVRAC	STATICO	GLOBAL	Y	-6.25
1177		SISMICA	GLOBAL	Y	-23.79
1178	SOVRAC	STATICO	GLOBAL	Y	-6.25
1178		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1179	SOVRAC	STATICO	GLOBAL	Y	-6.25
1179		SISMICA	GLOBAL	Y	-23.79
1180	SOVRAC	STATICO	GLOBAL	Y	-6.25
1180		SISMICA	GLOBAL	Y	-23.79
1182	SOVRAC	STATICO	GLOBAL	Y	-6.25
1182		SISMICA	GLOBAL	Y	-23.79
1183	SOVRAC	STATICO	GLOBAL	Y	-6.25
1183		SISMICA	GLOBAL	Y	-23.79
1184	SOVRAC	STATICO	GLOBAL	Y	-6.25
1184		SISMICA	GLOBAL	Y	-23.79
1185	SOVRAC	STATICO	GLOBAL	Y	-6.25
1185		SISMICA	GLOBAL	Y	-23.79
1186	SOVRAC	STATICO	GLOBAL	Y	-6.25
1186		SISMICA	GLOBAL	Y	-23.79
1187	SOVRAC	STATICO	GLOBAL	Y	-6.25
1187		SISMICA	GLOBAL	Y	-23.79
1188	SOVRAC	STATICO	GLOBAL	Y	-6.25
1188		SISMICA	GLOBAL	Y	-23.79
1189	SOVRAC	STATICO	GLOBAL	Y	-6.25
1189		SISMICA	GLOBAL	Y	-23.79
1190	SOVRAC	STATICO	GLOBAL	Y	-6.25
1190		SISMICA	GLOBAL	Y	-23.79
1191	SOVRAC	STATICO	GLOBAL	Y	-6.25
1191		SISMICA	GLOBAL	Y	-23.79
1192	SOVRAC	STATICO	GLOBAL	Y	-6.25
1192		SISMICA	GLOBAL	Y	-23.79
1193	SOVRAC	STATICO	GLOBAL	Y	-6.25
1193		SISMICA	GLOBAL	Y	-23.79
1194	SOVRAC	STATICO	GLOBAL	Y	-6.25
1194		SISMICA	GLOBAL	Y	-23.79
1195	SOVRAC	STATICO	GLOBAL	Y	-6.25
1195		SISMICA	GLOBAL	Y	-23.79
1196	SOVRAC	STATICO	GLOBAL	Y	-6.25
1196		SISMICA	GLOBAL	Y	-23.79
1198	SOVRAC	STATICO	GLOBAL	Y	-6.25
1198		SISMICA	GLOBAL	Y	-23.79
1199	SOVRAC	STATICO	GLOBAL	Y	-6.25
1199		SISMICA	GLOBAL	Y	-23.79
1200	SOVRAC	STATICO	GLOBAL	Y	-6.25
1200		SISMICA	GLOBAL	Y	-23.79
1201	SOVRAC	STATICO	GLOBAL	Y	-6.25
1201		SISMICA	GLOBAL	Y	-23.79
1202	SOVRAC	STATICO	GLOBAL	Y	-6.25
1202		SISMICA	GLOBAL	Y	-23.79
1203	SOVRAC	STATICO	GLOBAL	Y	-6.25
1203		SISMICA	GLOBAL	Y	-23.79
1204	SOVRAC	STATICO	GLOBAL	Y	-6.25
1204		SISMICA	GLOBAL	Y	-23.79
1205	SOVRAC	STATICO	GLOBAL	Y	-6.25
1205		SISMICA	GLOBAL	Y	-23.79
1206	SOVRAC	STATICO	GLOBAL	Y	-6.25
1206		SISMICA	GLOBAL	Y	-23.79
1207	SOVRAC	STATICO	GLOBAL	Y	-6.25
1207		SISMICA	GLOBAL	Y	-23.79
1208	SOVRAC	STATICO	GLOBAL	Y	-6.25
1208		SISMICA	GLOBAL	Y	-23.79
1209	SOVRAC	STATICO	GLOBAL	Y	-6.25
1209		SISMICA	GLOBAL	Y	-23.79
1210	SOVRAC	STATICO	GLOBAL	Y	-6.25
1210		SISMICA	GLOBAL	Y	-23.79
1211	SOVRAC	STATICO	GLOBAL	Y	-6.25
1211		SISMICA	GLOBAL	Y	-23.79
1213	SOVRAC	STATICO	GLOBAL	Y	-6.25
1213		SISMICA	GLOBAL	Y	-23.79
1214	SOVRAC	STATICO	GLOBAL	Y	-6.25
1214		SISMICA	GLOBAL	Y	-23.79
1215	SOVRAC	STATICO	GLOBAL	Y	-6.25
1215		SISMICA	GLOBAL	Y	-23.79
1216	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1216		SISMICA	GLOBAL	Y	-23.79
1217	SOVRAC	STATICO	GLOBAL	Y	-6.25
1217		SISMICA	GLOBAL	Y	-23.79
1218	SOVRAC	STATICO	GLOBAL	Y	-6.25
1218		SISMICA	GLOBAL	Y	-23.79
1219	SOVRAC	STATICO	GLOBAL	Y	-6.25
1219		SISMICA	GLOBAL	Y	-23.79
1220	SOVRAC	STATICO	GLOBAL	Y	-6.25
1220		SISMICA	GLOBAL	Y	-23.79
1221	SOVRAC	STATICO	GLOBAL	Y	-6.25
1221		SISMICA	GLOBAL	Y	-23.79
1222	SOVRAC	STATICO	GLOBAL	Y	-6.25
1222		SISMICA	GLOBAL	Y	-23.79
1223	SOVRAC	STATICO	GLOBAL	Y	-6.25
1223		SISMICA	GLOBAL	Y	-23.79
1224	SOVRAC	STATICO	GLOBAL	Y	-6.25
1224		SISMICA	GLOBAL	Y	-23.79
1225	SOVRAC	STATICO	GLOBAL	Y	-6.25
1225		SISMICA	GLOBAL	Y	-23.79
1227	SOVRAC	STATICO	GLOBAL	Y	-6.25
1227		SISMICA	GLOBAL	Y	-23.79
1228	SOVRAC	STATICO	GLOBAL	Y	-6.25
1228		SISMICA	GLOBAL	Y	-23.79
1229	SOVRAC	STATICO	GLOBAL	Y	-6.25
1229		SISMICA	GLOBAL	Y	-23.79
1230	SOVRAC	STATICO	GLOBAL	Y	-6.25
1230		SISMICA	GLOBAL	Y	-23.79
1231	SOVRAC	STATICO	GLOBAL	Y	-6.25
1231		SISMICA	GLOBAL	Y	-23.79
1232	SOVRAC	STATICO	GLOBAL	Y	-6.25
1232		SISMICA	GLOBAL	Y	-23.79
1233	SOVRAC	STATICO	GLOBAL	Y	-6.25
1233		SISMICA	GLOBAL	Y	-23.79
1234	SOVRAC	STATICO	GLOBAL	Y	-6.25
1234		SISMICA	GLOBAL	Y	-23.79
1235	SOVRAC	STATICO	GLOBAL	Y	-6.25
1235		SISMICA	GLOBAL	Y	-23.79
1236	SOVRAC	STATICO	GLOBAL	Y	-6.25
1236		SISMICA	GLOBAL	Y	-23.79
1237	SOVRAC	STATICO	GLOBAL	Y	-6.25
1237		SISMICA	GLOBAL	Y	-23.79
1238	SOVRAC	STATICO	GLOBAL	Y	-6.25
1238		SISMICA	GLOBAL	Y	-23.79
1239	SOVRAC	STATICO	GLOBAL	Y	-6.25
1239		SISMICA	GLOBAL	Y	-23.79
1240	SOVRAC	STATICO	GLOBAL	Y	-6.25
1240		SISMICA	GLOBAL	Y	-23.79
1241	SOVRAC	STATICO	GLOBAL	Y	-6.25
1241		SISMICA	GLOBAL	Y	-23.79
1242	SOVRAC	STATICO	GLOBAL	Y	-6.25
1242		SISMICA	GLOBAL	Y	-23.79
1243	SOVRAC	STATICO	GLOBAL	Y	-6.25
1243		SISMICA	GLOBAL	Y	-23.79
1244	SOVRAC	STATICO	GLOBAL	Y	-6.25
1244		SISMICA	GLOBAL	Y	-23.79
1245	SOVRAC	STATICO	GLOBAL	Y	-6.25
1245		SISMICA	GLOBAL	Y	-23.79
1246	SOVRAC	STATICO	GLOBAL	Y	-6.25
1246		SISMICA	GLOBAL	Y	-23.79
1247	SOVRAC	STATICO	GLOBAL	Y	-6.25
1247		SISMICA	GLOBAL	Y	-23.79
1248	SOVRAC	STATICO	GLOBAL	Y	-6.25
1248		SISMICA	GLOBAL	Y	-23.79
1249	SOVRAC	STATICO	GLOBAL	Y	-6.25
1249		SISMICA	GLOBAL	Y	-23.79
1250	SOVRAC	STATICO	GLOBAL	Y	-6.25
1250		SISMICA	GLOBAL	Y	-23.79
1251	SOVRAC	STATICO	GLOBAL	Y	-6.25
1251		SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1252	SOVRAC	STATICO	GLOBAL	Y	-6.25
1252		SISMICA	GLOBAL	Y	-23.79
1253	SOVRAC	STATICO	GLOBAL	Y	-6.25
1253		SISMICA	GLOBAL	Y	-23.79
1254	SOVRAC	STATICO	GLOBAL	Y	-6.25
1254		SISMICA	GLOBAL	Y	-23.79
1255	SOVRAC	STATICO	GLOBAL	Y	-6.25
1255		SISMICA	GLOBAL	Y	-23.79
1256	SOVRAC	STATICO	GLOBAL	Y	-6.25
1256		SISMICA	GLOBAL	Y	-23.79
1257	SOVRAC	STATICO	GLOBAL	Y	-6.25
1257		SISMICA	GLOBAL	Y	-23.79
1258	SOVRAC	STATICO	GLOBAL	Y	-6.25
1258		SISMICA	GLOBAL	Y	-23.79
1259	SOVRAC	STATICO	GLOBAL	Y	-6.25
1259		SISMICA	GLOBAL	Y	-23.79
1260	SOVRAC	STATICO	GLOBAL	Y	-6.25
1260		SISMICA	GLOBAL	Y	-23.79
1261	SOVRAC	STATICO	GLOBAL	Y	-6.25
1261		SISMICA	GLOBAL	Y	-23.79
1262	SOVRAC	STATICO	GLOBAL	Y	-6.25
1262		SISMICA	GLOBAL	Y	-23.79
1263	SOVRAC	STATICO	GLOBAL	Y	-6.25
1263		SISMICA	GLOBAL	Y	-23.79
1264	SOVRAC	STATICO	GLOBAL	Y	-6.25
1264		SISMICA	GLOBAL	Y	-23.79
1265	SOVRAC	STATICO	GLOBAL	Y	-6.25
1265		SISMICA	GLOBAL	Y	-23.79
1266	SOVRAC	STATICO	GLOBAL	Y	-6.25
1266		SISMICA	GLOBAL	Y	-23.79
1267	SOVRAC	STATICO	GLOBAL	Y	-6.25
1267		SISMICA	GLOBAL	Y	-23.79
1268	SOVRAC	STATICO	GLOBAL	Y	-6.25
1268		SISMICA	GLOBAL	Y	-23.79
1269	SOVRAC	STATICO	GLOBAL	Y	-6.25
1269		SISMICA	GLOBAL	Y	-23.79
1270	SOVRAC	STATICO	GLOBAL	Y	-6.25
1270		SISMICA	GLOBAL	Y	-23.79
1271	SOVRAC	STATICO	GLOBAL	Y	-6.25
1271		SISMICA	GLOBAL	Y	-23.79
1272	SOVRAC	STATICO	GLOBAL	Y	-6.25
1272		SISMICA	GLOBAL	Y	-23.79
1273	SOVRAC	STATICO	GLOBAL	Y	-6.25
1273		SISMICA	GLOBAL	Y	-23.79
1274	SOVRAC	STATICO	GLOBAL	Y	-6.25
1274		SISMICA	GLOBAL	Y	-23.79
1275	SOVRAC	STATICO	GLOBAL	Y	-6.25
1275		SISMICA	GLOBAL	Y	-23.79
1276	SOVRAC	STATICO	GLOBAL	Y	-6.25
1276		SISMICA	GLOBAL	Y	-23.79
1277	SOVRAC	STATICO	GLOBAL	Y	-6.25
1277		SISMICA	GLOBAL	Y	-23.79
1278	SOVRAC	STATICO	GLOBAL	Y	-6.25
1278		SISMICA	GLOBAL	Y	-23.79
1279	SOVRAC	STATICO	GLOBAL	Y	-6.25
1279		SISMICA	GLOBAL	Y	-23.79
1280	SOVRAC	STATICO	GLOBAL	Y	-6.25
1280		SISMICA	GLOBAL	Y	-23.79
1281	SOVRAC	STATICO	GLOBAL	Y	-6.25
1281		SISMICA	GLOBAL	Y	-23.79
1282	SOVRAC	STATICO	GLOBAL	Y	-6.25
1282		SISMICA	GLOBAL	Y	-23.79
1283	SOVRAC	STATICO	GLOBAL	Y	-6.25
1283		SISMICA	GLOBAL	Y	-23.79
1284	SOVRAC	STATICO	GLOBAL	Y	-6.25
1284		SISMICA	GLOBAL	Y	-23.79
1285	SOVRAC	STATICO	GLOBAL	Y	-6.25
1285		SISMICA	GLOBAL	Y	-23.79
1286	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1286		SISMICA	GLOBAL	Y	-23.79
1287	SOVRAC	STATICO	GLOBAL	Y	-6.25
1287		SISMICA	GLOBAL	Y	-23.79
1288	SOVRAC	STATICO	GLOBAL	Y	-6.25
1288		SISMICA	GLOBAL	Y	-23.79
1289	SOVRAC	STATICO	GLOBAL	Y	-6.25
1289		SISMICA	GLOBAL	Y	-23.79
1290	SOVRAC	STATICO	GLOBAL	Y	-6.25
1290		SISMICA	GLOBAL	Y	-23.79
1291	SOVRAC	STATICO	GLOBAL	Y	-6.25
1291		SISMICA	GLOBAL	Y	-23.79
1292	SOVRAC	STATICO	GLOBAL	Y	-6.25
1292		SISMICA	GLOBAL	Y	-23.79
1293	SOVRAC	STATICO	GLOBAL	Y	-6.25
1293		SISMICA	GLOBAL	Y	-23.79
1294	SOVRAC	STATICO	GLOBAL	Y	-6.25
1294		SISMICA	GLOBAL	Y	-23.79
1295	SOVRAC	STATICO	GLOBAL	Y	-6.25
1295		SISMICA	GLOBAL	Y	-23.79
1296	SOVRAC	STATICO	GLOBAL	Y	-6.25
1296		SISMICA	GLOBAL	Y	-23.79
1297	SOVRAC	STATICO	GLOBAL	Y	-6.25
1297		SISMICA	GLOBAL	Y	-23.79
1298	SOVRAC	STATICO	GLOBAL	Y	-6.25
1298		SISMICA	GLOBAL	Y	-23.79
1299	SOVRAC	STATICO	GLOBAL	Y	-6.25
1299		SISMICA	GLOBAL	Y	-23.79
1300	SOVRAC	STATICO	GLOBAL	Y	-6.25
1300		SISMICA	GLOBAL	Y	-23.79
1301	SOVRAC	STATICO	GLOBAL	Y	-6.25
1301		SISMICA	GLOBAL	Y	-23.79
1302	SOVRAC	STATICO	GLOBAL	Y	-6.25
1302		SISMICA	GLOBAL	Y	-23.79
1303	SOVRAC	STATICO	GLOBAL	Y	-6.25
1303		SISMICA	GLOBAL	Y	-23.79
1304	SOVRAC	STATICO	GLOBAL	Y	-6.25
1304		SISMICA	GLOBAL	Y	-23.79
1305	SOVRAC	STATICO	GLOBAL	Y	-6.25
1305		SISMICA	GLOBAL	Y	-23.79
1306	SOVRAC	STATICO	GLOBAL	Y	-6.25
1306		SISMICA	GLOBAL	Y	-23.79
1307	SOVRAC	STATICO	GLOBAL	Y	-6.25
1307		SISMICA	GLOBAL	Y	-23.79
1308	SOVRAC	STATICO	GLOBAL	Y	-6.25
1308		SISMICA	GLOBAL	Y	-23.79
1309	SOVRAC	STATICO	GLOBAL	Y	-6.25
1309		SISMICA	GLOBAL	Y	-23.79
1310	SOVRAC	STATICO	GLOBAL	Y	-6.25
1310		SISMICA	GLOBAL	Y	-23.79
1311	SOVRAC	STATICO	GLOBAL	Y	-6.25
1311		SISMICA	GLOBAL	Y	-23.79
1312	SOVRAC	STATICO	GLOBAL	Y	-6.25
1312		SISMICA	GLOBAL	Y	-23.79
1313	SOVRAC	STATICO	GLOBAL	Y	-6.25
1313		SISMICA	GLOBAL	Y	-23.79
1314	SOVRAC	STATICO	GLOBAL	Y	-6.25
1314		SISMICA	GLOBAL	Y	-23.79
1315	SOVRAC	STATICO	GLOBAL	Y	-6.25
1315		SISMICA	GLOBAL	Y	-23.79
1316	SOVRAC	STATICO	GLOBAL	Y	-6.25
1316		SISMICA	GLOBAL	Y	-23.79
1317	SOVRAC	STATICO	GLOBAL	Y	-6.25
1317		SISMICA	GLOBAL	Y	-23.79
1318	SOVRAC	STATICO	GLOBAL	Y	-6.25
1318		SISMICA	GLOBAL	Y	-23.79
1319	SOVRAC	STATICO	GLOBAL	Y	-6.25
1319		SISMICA	GLOBAL	Y	-23.79
1320	SOVRAC	STATICO	GLOBAL	Y	-6.25
1320		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1321	SOVRAC	STATICO	GLOBAL	Y	-6.25
1321		SISMICA	GLOBAL	Y	-23.79
1322	SOVRAC	STATICO	GLOBAL	Y	-6.25
1322		SISMICA	GLOBAL	Y	-23.79
1323	SOVRAC	STATICO	GLOBAL	Y	-6.25
1323		SISMICA	GLOBAL	Y	-23.79
1324	SOVRAC	STATICO	GLOBAL	Y	-6.25
1324		SISMICA	GLOBAL	Y	-23.79
1325	SOVRAC	STATICO	GLOBAL	Y	-6.25
1325		SISMICA	GLOBAL	Y	-23.79
1326	SOVRAC	STATICO	GLOBAL	Y	-6.25
1326		SISMICA	GLOBAL	Y	-23.79
1327	SOVRAC	STATICO	GLOBAL	Y	-6.25
1327		SISMICA	GLOBAL	Y	-23.79
1328	SOVRAC	STATICO	GLOBAL	Y	-6.25
1328		SISMICA	GLOBAL	Y	-23.79
1329	SOVRAC	STATICO	GLOBAL	Y	-6.25
1329		SISMICA	GLOBAL	Y	-23.79
1330	SOVRAC	STATICO	GLOBAL	Y	-6.25
1330		SISMICA	GLOBAL	Y	-23.79
1331	SOVRAC	STATICO	GLOBAL	Y	-6.25
1331		SISMICA	GLOBAL	Y	-23.79
1332	SOVRAC	STATICO	GLOBAL	Y	-6.25
1332		SISMICA	GLOBAL	Y	-23.79
1333	SOVRAC	STATICO	GLOBAL	Y	-6.25
1333		SISMICA	GLOBAL	Y	-23.79
1334	SOVRAC	STATICO	GLOBAL	Y	-6.25
1334		SISMICA	GLOBAL	Y	-23.79
1335	SOVRAC	STATICO	GLOBAL	Y	-6.25
1335		SISMICA	GLOBAL	Y	-23.79
1336	SOVRAC	STATICO	GLOBAL	Y	-6.25
1336		SISMICA	GLOBAL	Y	-23.79
1337	SOVRAC	STATICO	GLOBAL	Y	-6.25
1337		SISMICA	GLOBAL	Y	-23.79
1338	SOVRAC	STATICO	GLOBAL	Y	-6.25
1338		SISMICA	GLOBAL	Y	-23.79
1339	SOVRAC	STATICO	GLOBAL	Y	-6.25
1339		SISMICA	GLOBAL	Y	-23.79
1340	SOVRAC	STATICO	GLOBAL	Y	-6.25
1340		SISMICA	GLOBAL	Y	-23.79
1341	SOVRAC	STATICO	GLOBAL	Y	-6.25
1341		SISMICA	GLOBAL	Y	-23.79
1342	SOVRAC	STATICO	GLOBAL	Y	-6.25
1342		SISMICA	GLOBAL	Y	-23.79
1343	SOVRAC	STATICO	GLOBAL	Y	-6.25
1343		SISMICA	GLOBAL	Y	-23.79
1345	SOVRAC	STATICO	GLOBAL	Y	-6.25
1345		SISMICA	GLOBAL	Y	-23.79
1346	SOVRAC	STATICO	GLOBAL	Y	-6.25
1346		SISMICA	GLOBAL	Y	-23.79
1347	SOVRAC	STATICO	GLOBAL	Y	-6.25
1347		SISMICA	GLOBAL	Y	-23.79
1348	SOVRAC	STATICO	GLOBAL	Y	-6.25
1348		SISMICA	GLOBAL	Y	-23.79
1349	SOVRAC	STATICO	GLOBAL	Y	-6.25
1349		SISMICA	GLOBAL	Y	-23.79
1350	SOVRAC	STATICO	GLOBAL	Y	-6.25
1350		SISMICA	GLOBAL	Y	-23.79
1351	SOVRAC	STATICO	GLOBAL	Y	-6.25
1351		SISMICA	GLOBAL	Y	-23.79
1352	SOVRAC	STATICO	GLOBAL	Y	-6.25
1352		SISMICA	GLOBAL	Y	-23.79
1353	SOVRAC	STATICO	GLOBAL	Y	-6.25
1353		SISMICA	GLOBAL	Y	-23.79
1354	SOVRAC	STATICO	GLOBAL	Y	-6.25
1354		SISMICA	GLOBAL	Y	-23.79
1355	SOVRAC	STATICO	GLOBAL	Y	-6.25
1355		SISMICA	GLOBAL	Y	-23.79
1356	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1356	SISMICA	GLOBAL	Y	-23.79
1357	SOVRAC STATICO	GLOBAL	Y	-6.25
1357	SISMICA	GLOBAL	Y	-23.79
1358	SOVRAC STATICO	GLOBAL	Y	-6.25
1358	SISMICA	GLOBAL	Y	-23.79
1359	SOVRAC STATICO	GLOBAL	Y	-6.25
1359	SISMICA	GLOBAL	Y	-23.79
1360	SOVRAC STATICO	GLOBAL	Y	-6.25
1360	SISMICA	GLOBAL	Y	-23.79
1361	SOVRAC STATICO	GLOBAL	Y	-6.25
1361	SISMICA	GLOBAL	Y	-23.79
1362	SOVRAC STATICO	GLOBAL	Y	-6.25
1362	SISMICA	GLOBAL	Y	-23.79
1363	SOVRAC STATICO	GLOBAL	Y	-6.25
1363	SISMICA	GLOBAL	Y	-23.79
1364	SOVRAC STATICO	GLOBAL	Y	-6.25
1364	SISMICA	GLOBAL	Y	-23.79
1365	SOVRAC STATICO	GLOBAL	Y	-6.25
1365	SISMICA	GLOBAL	Y	-23.79
1366	SOVRAC STATICO	GLOBAL	Y	-6.25
1366	SISMICA	GLOBAL	Y	-23.79
1367	SOVRAC STATICO	GLOBAL	Y	-6.25
1367	SISMICA	GLOBAL	Y	-23.79
1368	SOVRAC STATICO	GLOBAL	Y	-6.25
1368	SISMICA	GLOBAL	Y	-23.79
1369	SOVRAC STATICO	GLOBAL	Y	-6.25
1369	SISMICA	GLOBAL	Y	-23.79
1370	SOVRAC STATICO	GLOBAL	Y	-6.25
1370	SISMICA	GLOBAL	Y	-23.79
1371	SOVRAC STATICO	GLOBAL	Y	-6.25
1371	SISMICA	GLOBAL	Y	-23.79
1372	SOVRAC STATICO	GLOBAL	Y	-6.25
1372	SISMICA	GLOBAL	Y	-23.79
1373	SOVRAC STATICO	GLOBAL	Y	-6.25
1373	SISMICA	GLOBAL	Y	-23.79
1374	SOVRAC STATICO	GLOBAL	Y	-6.25
1374	SISMICA	GLOBAL	Y	-23.79
1375	SOVRAC STATICO	GLOBAL	Y	-6.25
1375	SISMICA	GLOBAL	Y	-23.79
1376	SOVRAC STATICO	GLOBAL	Y	-6.25
1376	SISMICA	GLOBAL	Y	-23.79
1377	SOVRAC STATICO	GLOBAL	Y	-6.25
1377	SISMICA	GLOBAL	Y	-23.79
1378	SOVRAC STATICO	GLOBAL	Y	-6.25
1378	SISMICA	GLOBAL	Y	-23.79
1379	SOVRAC STATICO	GLOBAL	Y	-6.25
1379	SISMICA	GLOBAL	Y	-23.79
1390	SOVRAC STATICO	GLOBAL	Y	-6.25
1390	SISMICA	GLOBAL	Y	-23.79
1540	SOVRAC STATICO	GLOBAL	Y	-6.25
1540	SISMICA	GLOBAL	Y	-23.79
1541	SOVRAC STATICO	GLOBAL	Y	-6.25
1541	SISMICA	GLOBAL	Y	-23.79
1542	SOVRAC STATICO	GLOBAL	Y	-6.25
1542	SISMICA	GLOBAL	Y	-23.79
1543	SOVRAC STATICO	GLOBAL	Y	-6.25
1543	SISMICA	GLOBAL	Y	-23.79
1544	SOVRAC STATICO	GLOBAL	Y	-6.25
1544	SISMICA	GLOBAL	Y	-23.79
1545	SOVRAC STATICO	GLOBAL	Y	-6.25
1545	SISMICA	GLOBAL	Y	-23.79
1546	SOVRAC STATICO	GLOBAL	Y	-6.25
1546	SISMICA	GLOBAL	Y	-23.79
1547	SOVRAC STATICO	GLOBAL	Y	-6.25
1547	SISMICA	GLOBAL	Y	-23.79
1548	SOVRAC STATICO	GLOBAL	Y	-6.25
1548	SISMICA	GLOBAL	Y	-23.79
1549	SOVRAC STATICO	GLOBAL	Y	-6.25
1549	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1550	SOVRAC STATICO	GLOBAL	Y	-6.25
1550	SISMICA	GLOBAL	Y	-23.79
1551	SOVRAC STATICO	GLOBAL	Y	-6.25
1551	SISMICA	GLOBAL	Y	-23.79
1552	SOVRAC STATICO	GLOBAL	Y	-6.25
1552	SISMICA	GLOBAL	Y	-23.79
1553	SOVRAC STATICO	GLOBAL	Y	-6.25
1553	SISMICA	GLOBAL	Y	-23.79
1554	SOVRAC STATICO	GLOBAL	Y	-6.25
1554	SISMICA	GLOBAL	Y	-23.79
1555	SOVRAC STATICO	GLOBAL	Y	-6.25
1555	SISMICA	GLOBAL	Y	-23.79
1556	SOVRAC STATICO	GLOBAL	Y	-6.25
1556	SISMICA	GLOBAL	Y	-23.79
1557	SOVRAC STATICO	GLOBAL	Y	-6.25
1557	SISMICA	GLOBAL	Y	-23.79
1558	SOVRAC STATICO	GLOBAL	Y	-6.25
1558	SISMICA	GLOBAL	Y	-23.79
1559	SOVRAC STATICO	GLOBAL	Y	-6.25
1559	SISMICA	GLOBAL	Y	-23.79
1560	SOVRAC STATICO	GLOBAL	Y	-6.25
1560	SISMICA	GLOBAL	Y	-23.79
1561	SOVRAC STATICO	GLOBAL	Y	-6.25
1561	SISMICA	GLOBAL	Y	-23.79
1562	SOVRAC STATICO	GLOBAL	Y	-6.25
1562	SISMICA	GLOBAL	Y	-23.79
1563	SOVRAC STATICO	GLOBAL	Y	-6.25
1563	SISMICA	GLOBAL	Y	-23.79
1564	SOVRAC STATICO	GLOBAL	Y	-6.25
1564	SISMICA	GLOBAL	Y	-23.79
1565	SOVRAC STATICO	GLOBAL	Y	-6.25
1565	SISMICA	GLOBAL	Y	-23.79
1566	SOVRAC STATICO	GLOBAL	Y	-6.25
1566	SISMICA	GLOBAL	Y	-23.79
1567	SOVRAC STATICO	GLOBAL	Y	-6.25
1567	SISMICA	GLOBAL	Y	-23.79
1568	SOVRAC STATICO	GLOBAL	Y	-6.25
1568	SISMICA	GLOBAL	Y	-23.79
1569	SOVRAC STATICO	GLOBAL	Y	-6.25
1569	SISMICA	GLOBAL	Y	-23.79
1570	SOVRAC STATICO	GLOBAL	Y	-6.25
1570	SISMICA	GLOBAL	Y	-23.79
1571	SOVRAC STATICO	GLOBAL	Y	-6.25
1571	SISMICA	GLOBAL	Y	-23.79
1572	SOVRAC STATICO	GLOBAL	Y	-6.25
1572	SISMICA	GLOBAL	Y	-23.79
1573	SOVRAC STATICO	GLOBAL	Y	-6.25
1573	SISMICA	GLOBAL	Y	-23.79
1574	SOVRAC STATICO	GLOBAL	Y	-6.25
1574	SISMICA	GLOBAL	Y	-23.79
1575	SOVRAC STATICO	GLOBAL	Y	-6.25
1575	SISMICA	GLOBAL	Y	-23.79
1576	SOVRAC STATICO	GLOBAL	Y	-6.25
1576	SISMICA	GLOBAL	Y	-23.79
1577	SOVRAC STATICO	GLOBAL	Y	-6.25
1577	SISMICA	GLOBAL	Y	-23.79
1578	SOVRAC STATICO	GLOBAL	Y	-6.25
1578	SISMICA	GLOBAL	Y	-23.79
1579	SOVRAC STATICO	GLOBAL	Y	-6.25
1579	SISMICA	GLOBAL	Y	-23.79
1580	SOVRAC STATICO	GLOBAL	Y	-6.25
1580	SISMICA	GLOBAL	Y	-23.79
1581	SOVRAC STATICO	GLOBAL	Y	-6.25
1581	SISMICA	GLOBAL	Y	-23.79
1582	SOVRAC STATICO	GLOBAL	Y	-6.25
1582	SISMICA	GLOBAL	Y	-23.79
1583	SOVRAC STATICO	GLOBAL	Y	-6.25
1583	SISMICA	GLOBAL	Y	-23.79
1584	SOVRAC STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1584		SISMICA	GLOBAL	Y	-23.79
1585	SOVRAC	STATICO	GLOBAL	Y	-6.25
1585		SISMICA	GLOBAL	Y	-23.79
1586	SOVRAC	STATICO	GLOBAL	Y	-6.25
1586		SISMICA	GLOBAL	Y	-23.79
1587	SOVRAC	STATICO	GLOBAL	Y	-6.25
1587		SISMICA	GLOBAL	Y	-23.79
1588	SOVRAC	STATICO	GLOBAL	Y	-6.25
1588		SISMICA	GLOBAL	Y	-23.79
1589	SOVRAC	STATICO	GLOBAL	Y	-6.25
1589		SISMICA	GLOBAL	Y	-23.79
1590	SOVRAC	STATICO	GLOBAL	Y	-6.25
1590		SISMICA	GLOBAL	Y	-23.79
1591	SOVRAC	STATICO	GLOBAL	Y	-6.25
1591		SISMICA	GLOBAL	Y	-23.79
1592	SOVRAC	STATICO	GLOBAL	Y	-6.25
1592		SISMICA	GLOBAL	Y	-23.79
1593	SOVRAC	STATICO	GLOBAL	Y	-6.25
1593		SISMICA	GLOBAL	Y	-23.79
1594	SOVRAC	STATICO	GLOBAL	Y	-6.25
1594		SISMICA	GLOBAL	Y	-23.79
1595	SOVRAC	STATICO	GLOBAL	Y	-6.25
1595		SISMICA	GLOBAL	Y	-23.79
1596	SOVRAC	STATICO	GLOBAL	Y	-6.25
1596		SISMICA	GLOBAL	Y	-23.79
1597	SOVRAC	STATICO	GLOBAL	Y	-6.25
1597		SISMICA	GLOBAL	Y	-23.79
1598	SOVRAC	STATICO	GLOBAL	Y	-6.25
1598		SISMICA	GLOBAL	Y	-23.79
1599	SOVRAC	STATICO	GLOBAL	Y	-6.25
1599		SISMICA	GLOBAL	Y	-23.79
1600	SOVRAC	STATICO	GLOBAL	Y	-6.25
1600		SISMICA	GLOBAL	Y	-23.79
1601	SOVRAC	STATICO	GLOBAL	Y	-6.25
1601		SISMICA	GLOBAL	Y	-23.79
1602	SOVRAC	STATICO	GLOBAL	Y	-6.25
1602		SISMICA	GLOBAL	Y	-23.79
1603	SOVRAC	STATICO	GLOBAL	Y	-6.25
1603		SISMICA	GLOBAL	Y	-23.79
1604	SOVRAC	STATICO	GLOBAL	Y	-6.25
1604		SISMICA	GLOBAL	Y	-23.79
1605	SOVRAC	STATICO	GLOBAL	Y	-6.25
1605		SISMICA	GLOBAL	Y	-23.79
1606	SOVRAC	STATICO	GLOBAL	Y	-6.25
1606		SISMICA	GLOBAL	Y	-23.79
1607	SOVRAC	STATICO	GLOBAL	Y	-6.25
1607		SISMICA	GLOBAL	Y	-23.79
1608	SOVRAC	STATICO	GLOBAL	Y	-6.25
1608		SISMICA	GLOBAL	Y	-23.79
1609	SOVRAC	STATICO	GLOBAL	Y	-6.25
1609		SISMICA	GLOBAL	Y	-23.79
1610	SOVRAC	STATICO	GLOBAL	Y	-6.25
1610		SISMICA	GLOBAL	Y	-23.79
1611	SOVRAC	STATICO	GLOBAL	Y	-6.25
1611		SISMICA	GLOBAL	Y	-23.79
1612	SOVRAC	STATICO	GLOBAL	Y	-6.25
1612		SISMICA	GLOBAL	Y	-23.79
1613	SOVRAC	STATICO	GLOBAL	Y	-6.25
1613		SISMICA	GLOBAL	Y	-23.79
1614	SOVRAC	STATICO	GLOBAL	Y	-6.25
1614		SISMICA	GLOBAL	Y	-23.79
1615	SOVRAC	STATICO	GLOBAL	Y	-6.25
1615		SISMICA	GLOBAL	Y	-23.79
1616	SOVRAC	STATICO	GLOBAL	Y	-6.25
1616		SISMICA	GLOBAL	Y	-23.79
1617	SOVRAC	STATICO	GLOBAL	Y	-6.25
1617		SISMICA	GLOBAL	Y	-23.79
1618	SOVRAC	STATICO	GLOBAL	Y	-6.25
1618		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1619	SOVRAC	STATICO	GLOBAL	Y	-6.25
1619		SISMICA	GLOBAL	Y	-23.79
1620	SOVRAC	STATICO	GLOBAL	Y	-6.25
1620		SISMICA	GLOBAL	Y	-23.79
1621	SOVRAC	STATICO	GLOBAL	Y	-6.25
1621		SISMICA	GLOBAL	Y	-23.79
1622	SOVRAC	STATICO	GLOBAL	Y	-6.25
1622		SISMICA	GLOBAL	Y	-23.79
1623	SOVRAC	STATICO	GLOBAL	Y	-6.25
1623		SISMICA	GLOBAL	Y	-23.79
1624	SOVRAC	STATICO	GLOBAL	Y	-6.25
1624		SISMICA	GLOBAL	Y	-23.79
1625	SOVRAC	STATICO	GLOBAL	Y	-6.25
1625		SISMICA	GLOBAL	Y	-23.79
1626	SOVRAC	STATICO	GLOBAL	Y	-6.25
1626		SISMICA	GLOBAL	Y	-23.79
1627	SOVRAC	STATICO	GLOBAL	Y	-6.25
1627		SISMICA	GLOBAL	Y	-23.79
1628	SOVRAC	STATICO	GLOBAL	Y	-6.25
1628		SISMICA	GLOBAL	Y	-23.79
1629	SOVRAC	STATICO	GLOBAL	Y	-6.25
1629		SISMICA	GLOBAL	Y	-23.79
1630	SOVRAC	STATICO	GLOBAL	Y	-6.25
1630		SISMICA	GLOBAL	Y	-23.79
1631	SOVRAC	STATICO	GLOBAL	Y	-6.25
1631		SISMICA	GLOBAL	Y	-23.79
1632	SOVRAC	STATICO	GLOBAL	Y	-6.25
1632		SISMICA	GLOBAL	Y	-23.79
1633	SOVRAC	STATICO	GLOBAL	Y	-6.25
1633		SISMICA	GLOBAL	Y	-23.79
1634	SOVRAC	STATICO	GLOBAL	Y	-6.25
1634		SISMICA	GLOBAL	Y	-23.79
1635	SOVRAC	STATICO	GLOBAL	Y	-6.25
1635		SISMICA	GLOBAL	Y	-23.79
1636	SOVRAC	STATICO	GLOBAL	Y	-6.25
1636		SISMICA	GLOBAL	Y	-23.79
1637	SOVRAC	STATICO	GLOBAL	Y	-6.25
1637		SISMICA	GLOBAL	Y	-23.79
1638	SOVRAC	STATICO	GLOBAL	Y	-6.25
1638		SISMICA	GLOBAL	Y	-23.79
1639	SOVRAC	STATICO	GLOBAL	Y	-6.25
1639		SISMICA	GLOBAL	Y	-23.79
1640	SOVRAC	STATICO	GLOBAL	Y	-6.25
1640		SISMICA	GLOBAL	Y	-23.79
1641	SOVRAC	STATICO	GLOBAL	Y	-6.25
1641		SISMICA	GLOBAL	Y	-23.79
1642	SOVRAC	STATICO	GLOBAL	Y	-6.25
1642		SISMICA	GLOBAL	Y	-23.79
1643	SOVRAC	STATICO	GLOBAL	Y	-6.25
1643		SISMICA	GLOBAL	Y	-23.79
1644	SOVRAC	STATICO	GLOBAL	Y	-6.25
1644		SISMICA	GLOBAL	Y	-23.79
1645	SOVRAC	STATICO	GLOBAL	Y	-6.25
1645		SISMICA	GLOBAL	Y	-23.79
1646	SOVRAC	STATICO	GLOBAL	Y	-6.25
1646		SISMICA	GLOBAL	Y	-23.79
1647	SOVRAC	STATICO	GLOBAL	Y	-6.25
1647		SISMICA	GLOBAL	Y	-23.79
1648	SOVRAC	STATICO	GLOBAL	Y	-6.25
1648		SISMICA	GLOBAL	Y	-23.79
1649	SOVRAC	STATICO	GLOBAL	Y	-6.25
1649		SISMICA	GLOBAL	Y	-23.79
1650	SOVRAC	STATICO	GLOBAL	Y	-6.25
1650		SISMICA	GLOBAL	Y	-23.79
1651	SOVRAC	STATICO	GLOBAL	Y	-6.25
1651		SISMICA	GLOBAL	Y	-23.79
1652	SOVRAC	STATICO	GLOBAL	Y	-6.25
1652		SISMICA	GLOBAL	Y	-23.79
1653	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1653	SISMICA	GLOBAL	Y	-23.79
1654	SOVRAC STATICO	GLOBAL	Y	-6.25
1654	SISMICA	GLOBAL	Y	-23.79
1655	SOVRAC STATICO	GLOBAL	Y	-6.25
1655	SISMICA	GLOBAL	Y	-23.79
1656	SOVRAC STATICO	GLOBAL	Y	-6.25
1656	SISMICA	GLOBAL	Y	-23.79
1657	SOVRAC STATICO	GLOBAL	Y	-6.25
1657	SISMICA	GLOBAL	Y	-23.79
1658	SOVRAC STATICO	GLOBAL	Y	-6.25
1658	SISMICA	GLOBAL	Y	-23.79
1659	SOVRAC STATICO	GLOBAL	Y	-6.25
1659	SISMICA	GLOBAL	Y	-23.79
1660	SOVRAC STATICO	GLOBAL	Y	-6.25
1660	SISMICA	GLOBAL	Y	-23.79
1661	SOVRAC STATICO	GLOBAL	Y	-6.25
1661	SISMICA	GLOBAL	Y	-23.79
1662	SOVRAC STATICO	GLOBAL	Y	-6.25
1662	SISMICA	GLOBAL	Y	-23.79
1663	SOVRAC STATICO	GLOBAL	Y	-6.25
1663	SISMICA	GLOBAL	Y	-23.79
1664	SOVRAC STATICO	GLOBAL	Y	-6.25
1664	SISMICA	GLOBAL	Y	-23.79
1665	SOVRAC STATICO	GLOBAL	Y	-6.25
1665	SISMICA	GLOBAL	Y	-23.79
1666	SOVRAC STATICO	GLOBAL	Y	-6.25
1666	SISMICA	GLOBAL	Y	-23.79
1667	SOVRAC STATICO	GLOBAL	Y	-6.25
1667	SISMICA	GLOBAL	Y	-23.79
1668	SOVRAC STATICO	GLOBAL	Y	-6.25
1668	SISMICA	GLOBAL	Y	-23.79
1669	SOVRAC STATICO	GLOBAL	Y	-6.25
1669	SISMICA	GLOBAL	Y	-23.79
1670	SOVRAC STATICO	GLOBAL	Y	-6.25
1670	SISMICA	GLOBAL	Y	-23.79
1671	SOVRAC STATICO	GLOBAL	Y	-6.25
1671	SISMICA	GLOBAL	Y	-23.79
1672	SOVRAC STATICO	GLOBAL	Y	-6.25
1672	SISMICA	GLOBAL	Y	-23.79
1673	SOVRAC STATICO	GLOBAL	Y	-6.25
1673	SISMICA	GLOBAL	Y	-23.79
1674	SOVRAC STATICO	GLOBAL	Y	-6.25
1674	SISMICA	GLOBAL	Y	-23.79
1675	SOVRAC STATICO	GLOBAL	Y	-6.25
1675	SISMICA	GLOBAL	Y	-23.79
1676	SOVRAC STATICO	GLOBAL	Y	-6.25
1676	SISMICA	GLOBAL	Y	-23.79
1677	SOVRAC STATICO	GLOBAL	Y	-6.25
1677	SISMICA	GLOBAL	Y	-23.79
1678	SOVRAC STATICO	GLOBAL	Y	-6.25
1678	SISMICA	GLOBAL	Y	-23.79
1679	SOVRAC STATICO	GLOBAL	Y	-6.25
1679	SISMICA	GLOBAL	Y	-23.79
1680	SOVRAC STATICO	GLOBAL	Y	-6.25
1680	SISMICA	GLOBAL	Y	-23.79
1681	SOVRAC STATICO	GLOBAL	Y	-6.25
1681	SISMICA	GLOBAL	Y	-23.79
1682	SOVRAC STATICO	GLOBAL	Y	-6.25
1682	SISMICA	GLOBAL	Y	-23.79
1683	SOVRAC STATICO	GLOBAL	Y	-6.25
1683	SISMICA	GLOBAL	Y	-23.79
1684	SOVRAC STATICO	GLOBAL	Y	-6.25
1684	SISMICA	GLOBAL	Y	-23.79
1685	SOVRAC STATICO	GLOBAL	Y	-6.25
1685	SISMICA	GLOBAL	Y	-23.79
1686	SOVRAC STATICO	GLOBAL	Y	-6.25
1686	SISMICA	GLOBAL	Y	-23.79
1687	SOVRAC STATICO	GLOBAL	Y	-6.25
1687	SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1688	SOVRAC STATICO	GLOBAL	Y	-6.25
1688	SISMICA	GLOBAL	Y	-23.79
1689	SOVRAC STATICO	GLOBAL	Y	-6.25
1689	SISMICA	GLOBAL	Y	-23.79
1690	SOVRAC STATICO	GLOBAL	Y	-6.25
1690	SISMICA	GLOBAL	Y	-23.79
1691	SOVRAC STATICO	GLOBAL	Y	-6.25
1691	SISMICA	GLOBAL	Y	-23.79
1692	SOVRAC STATICO	GLOBAL	Y	-6.25
1692	SISMICA	GLOBAL	Y	-23.79
1693	SOVRAC STATICO	GLOBAL	Y	-6.25
1693	SISMICA	GLOBAL	Y	-23.79
1694	SOVRAC STATICO	GLOBAL	Y	-6.25
1694	SISMICA	GLOBAL	Y	-23.79
1695	SOVRAC STATICO	GLOBAL	Y	-6.25
1695	SISMICA	GLOBAL	Y	-23.79
1696	SOVRAC STATICO	GLOBAL	Y	-6.25
1696	SISMICA	GLOBAL	Y	-23.79
1697	SOVRAC STATICO	GLOBAL	Y	-6.25
1697	SISMICA	GLOBAL	Y	-23.79
1698	SOVRAC STATICO	GLOBAL	Y	-6.25
1698	SISMICA	GLOBAL	Y	-23.79
1699	SOVRAC STATICO	GLOBAL	Y	-6.25
1699	SISMICA	GLOBAL	Y	-23.79
1700	SOVRAC STATICO	GLOBAL	Y	-6.25
1700	SISMICA	GLOBAL	Y	-23.79
1701	SOVRAC STATICO	GLOBAL	Y	-6.25
1701	SISMICA	GLOBAL	Y	-23.79
1702	SOVRAC STATICO	GLOBAL	Y	-6.25
1702	SISMICA	GLOBAL	Y	-23.79
1703	SOVRAC STATICO	GLOBAL	Y	-6.25
1703	SISMICA	GLOBAL	Y	-23.79
1704	SOVRAC STATICO	GLOBAL	Y	-6.25
1704	SISMICA	GLOBAL	Y	-23.79
1705	SOVRAC STATICO	GLOBAL	Y	-6.25
1705	SISMICA	GLOBAL	Y	-23.79
1706	SOVRAC STATICO	GLOBAL	Y	-6.25
1706	SISMICA	GLOBAL	Y	-23.79
1707	SOVRAC STATICO	GLOBAL	Y	-6.25
1707	SISMICA	GLOBAL	Y	-23.79
1708	SOVRAC STATICO	GLOBAL	Y	-6.25
1708	SISMICA	GLOBAL	Y	-23.79
1709	SOVRAC STATICO	GLOBAL	Y	-6.25
1709	SISMICA	GLOBAL	Y	-23.79
1710	SOVRAC STATICO	GLOBAL	Y	-6.25
1710	SISMICA	GLOBAL	Y	-23.79
1711	SOVRAC STATICO	GLOBAL	Y	-6.25
1711	SISMICA	GLOBAL	Y	-23.79
1712	SOVRAC STATICO	GLOBAL	Y	-6.25
1712	SISMICA	GLOBAL	Y	-23.79
1713	SOVRAC STATICO	GLOBAL	Y	-6.25
1713	SISMICA	GLOBAL	Y	-23.79
1714	SOVRAC STATICO	GLOBAL	Y	-6.25
1714	SISMICA	GLOBAL	Y	-23.79
1715	SOVRAC STATICO	GLOBAL	Y	-6.25
1715	SISMICA	GLOBAL	Y	-23.79
1716	SOVRAC STATICO	GLOBAL	Y	-6.25
1716	SISMICA	GLOBAL	Y	-23.79
1717	SOVRAC STATICO	GLOBAL	Y	-6.25
1717	SISMICA	GLOBAL	Y	-23.79
1718	SOVRAC STATICO	GLOBAL	Y	-6.25
1718	SISMICA	GLOBAL	Y	-23.79
1719	SOVRAC STATICO	GLOBAL	Y	-6.25
1719	SISMICA	GLOBAL	Y	-23.79
1720	SOVRAC STATICO	GLOBAL	Y	-6.25
1720	SISMICA	GLOBAL	Y	-23.79
1721	SOVRAC STATICO	GLOBAL	Y	-6.25
1721	SISMICA	GLOBAL	Y	-23.79
1722	SOVRAC STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1722	SISMICA	GLOBAL	Y	-23.79
1723	SOVRAC STATICO	GLOBAL	Y	-6.25
1723	SISMICA	GLOBAL	Y	-23.79
1724	SOVRAC STATICO	GLOBAL	Y	-6.25
1724	SISMICA	GLOBAL	Y	-23.79
1725	SOVRAC STATICO	GLOBAL	Y	-6.25
1725	SISMICA	GLOBAL	Y	-23.79
1726	SOVRAC STATICO	GLOBAL	Y	-6.25
1726	SISMICA	GLOBAL	Y	-23.79
1727	SOVRAC STATICO	GLOBAL	Y	-6.25
1727	SISMICA	GLOBAL	Y	-23.79
1728	SOVRAC STATICO	GLOBAL	Y	-6.25
1728	SISMICA	GLOBAL	Y	-23.79
1729	SOVRAC STATICO	GLOBAL	Y	-6.25
1729	SISMICA	GLOBAL	Y	-23.79
1730	SOVRAC STATICO	GLOBAL	Y	-6.25
1730	SISMICA	GLOBAL	Y	-23.79
1731	SOVRAC STATICO	GLOBAL	Y	-6.25
1731	SISMICA	GLOBAL	Y	-23.79
1732	SOVRAC STATICO	GLOBAL	Y	-6.25
1732	SISMICA	GLOBAL	Y	-23.79
1733	SOVRAC STATICO	GLOBAL	Y	-6.25
1733	SISMICA	GLOBAL	Y	-23.79
1734	SOVRAC STATICO	GLOBAL	Y	-6.25
1734	SISMICA	GLOBAL	Y	-23.79
1735	SOVRAC STATICO	GLOBAL	Y	-6.25
1735	SISMICA	GLOBAL	Y	-23.79
1736	SOVRAC STATICO	GLOBAL	Y	-6.25
1736	SISMICA	GLOBAL	Y	-23.79
1737	SOVRAC STATICO	GLOBAL	Y	-6.25
1737	SISMICA	GLOBAL	Y	-23.79
1738	SOVRAC STATICO	GLOBAL	Y	-6.25
1738	SISMICA	GLOBAL	Y	-23.79
1739	SOVRAC STATICO	GLOBAL	Y	-6.25
1739	SISMICA	GLOBAL	Y	-23.79
1740	SOVRAC STATICO	GLOBAL	Y	-6.25
1740	SISMICA	GLOBAL	Y	-23.79
1741	SOVRAC STATICO	GLOBAL	Y	-6.25
1741	SISMICA	GLOBAL	Y	-23.79
1742	SOVRAC STATICO	GLOBAL	Y	-6.25
1742	SISMICA	GLOBAL	Y	-23.79
1743	SOVRAC STATICO	GLOBAL	Y	-6.25
1743	SISMICA	GLOBAL	Y	-23.79
1744	SOVRAC STATICO	GLOBAL	Y	-6.25
1744	SISMICA	GLOBAL	Y	-23.79
1745	SOVRAC STATICO	GLOBAL	Y	-6.25
1745	SISMICA	GLOBAL	Y	-23.79
1746	SOVRAC STATICO	GLOBAL	Y	-6.25
1746	SISMICA	GLOBAL	Y	-23.79
1747	SOVRAC STATICO	GLOBAL	Y	-6.25
1747	SISMICA	GLOBAL	Y	-23.79
1748	SOVRAC STATICO	GLOBAL	Y	-6.25
1748	SISMICA	GLOBAL	Y	-23.79
1749	SOVRAC STATICO	GLOBAL	Y	-6.25
1749	SISMICA	GLOBAL	Y	-23.79
1750	SOVRAC STATICO	GLOBAL	Y	-6.25
1750	SISMICA	GLOBAL	Y	-23.79
1751	SOVRAC STATICO	GLOBAL	Y	-6.25
1751	SISMICA	GLOBAL	Y	-23.79
1752	SOVRAC STATICO	GLOBAL	Y	-6.25
1752	SISMICA	GLOBAL	Y	-23.79
1753	SOVRAC STATICO	GLOBAL	Y	-6.25
1753	SISMICA	GLOBAL	Y	-23.79
1754	SOVRAC STATICO	GLOBAL	Y	-6.25
1754	SISMICA	GLOBAL	Y	-23.79
1755	SOVRAC STATICO	GLOBAL	Y	-6.25
1755	SISMICA	GLOBAL	Y	-23.79
1756	SOVRAC STATICO	GLOBAL	Y	-6.25
1756	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1757	SOVRAC STATICO	GLOBAL	Y	-6.25
1757	SISMICA	GLOBAL	Y	-23.79
1758	SOVRAC STATICO	GLOBAL	Y	-6.25
1758	SISMICA	GLOBAL	Y	-23.79
1759	SOVRAC STATICO	GLOBAL	Y	-6.25
1759	SISMICA	GLOBAL	Y	-23.79
1760	SOVRAC STATICO	GLOBAL	Y	-6.25
1760	SISMICA	GLOBAL	Y	-23.79
1761	SOVRAC STATICO	GLOBAL	Y	-6.25
1761	SISMICA	GLOBAL	Y	-23.79
1762	SOVRAC STATICO	GLOBAL	Y	-6.25
1762	SISMICA	GLOBAL	Y	-23.79
1763	SOVRAC STATICO	GLOBAL	Y	-6.25
1763	SISMICA	GLOBAL	Y	-23.79
1764	SOVRAC STATICO	GLOBAL	Y	-6.25
1764	SISMICA	GLOBAL	Y	-23.79
1765	SOVRAC STATICO	GLOBAL	Y	-6.25
1765	SISMICA	GLOBAL	Y	-23.79
1766	SOVRAC STATICO	GLOBAL	Y	-6.25
1766	SISMICA	GLOBAL	Y	-23.79
1767	SOVRAC STATICO	GLOBAL	Y	-6.25
1767	SISMICA	GLOBAL	Y	-23.79
1768	SOVRAC STATICO	GLOBAL	Y	-6.25
1768	SISMICA	GLOBAL	Y	-23.79
1769	SOVRAC STATICO	GLOBAL	Y	-6.25
1769	SISMICA	GLOBAL	Y	-23.79
1770	SOVRAC STATICO	GLOBAL	Y	-6.25
1770	SISMICA	GLOBAL	Y	-23.79
1771	SOVRAC STATICO	GLOBAL	Y	-6.25
1771	SISMICA	GLOBAL	Y	-23.79
1772	SOVRAC STATICO	GLOBAL	Y	-6.25
1772	SISMICA	GLOBAL	Y	-23.79
1773	SOVRAC STATICO	GLOBAL	Y	-6.25
1773	SISMICA	GLOBAL	Y	-23.79
1774	SOVRAC STATICO	GLOBAL	Y	-6.25
1774	SISMICA	GLOBAL	Y	-23.79
1775	SOVRAC STATICO	GLOBAL	Y	-6.25
1775	SISMICA	GLOBAL	Y	-23.79
1776	SOVRAC STATICO	GLOBAL	Y	-6.25
1776	SISMICA	GLOBAL	Y	-23.79
1777	SOVRAC STATICO	GLOBAL	Y	-6.25
1777	SISMICA	GLOBAL	Y	-23.79
1778	SOVRAC STATICO	GLOBAL	Y	-6.25
1778	SISMICA	GLOBAL	Y	-23.79
1779	SOVRAC STATICO	GLOBAL	Y	-6.25
1779	SISMICA	GLOBAL	Y	-23.79
1780	SOVRAC STATICO	GLOBAL	Y	-6.25
1780	SISMICA	GLOBAL	Y	-23.79
1781	SOVRAC STATICO	GLOBAL	Y	-6.25
1781	SISMICA	GLOBAL	Y	-23.79
1782	SOVRAC STATICO	GLOBAL	Y	-6.25
1782	SISMICA	GLOBAL	Y	-23.79
1783	SOVRAC STATICO	GLOBAL	Y	-6.25
1783	SISMICA	GLOBAL	Y	-23.79
1784	SOVRAC STATICO	GLOBAL	Y	-6.25
1784	SISMICA	GLOBAL	Y	-23.79
1785	SOVRAC STATICO	GLOBAL	Y	-6.25
1785	SISMICA	GLOBAL	Y	-23.79
1786	SOVRAC STATICO	GLOBAL	Y	-6.25
1786	SISMICA	GLOBAL	Y	-23.79
1787	SOVRAC STATICO	GLOBAL	Y	-6.25
1787	SISMICA	GLOBAL	Y	-23.79
1788	SOVRAC STATICO	GLOBAL	Y	-6.25
1788	SISMICA	GLOBAL	Y	-23.79
1789	SOVRAC STATICO	GLOBAL	Y	-6.25
1789	SISMICA	GLOBAL	Y	-23.79
1790	SOVRAC STATICO	GLOBAL	Y	-6.25
1790	SISMICA	GLOBAL	Y	-23.79
1791	SOVRAC STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1791	SISMICA	GLOBAL	Y	-23.79
1792	SOVRAC STATICO	GLOBAL	Y	-6.25
1792	SISMICA	GLOBAL	Y	-23.79
1793	SOVRAC STATICO	GLOBAL	Y	-6.25
1793	SISMICA	GLOBAL	Y	-23.79
1794	SOVRAC STATICO	GLOBAL	Y	-6.25
1794	SISMICA	GLOBAL	Y	-23.79
1795	SOVRAC STATICO	GLOBAL	Y	-6.25
1795	SISMICA	GLOBAL	Y	-23.79
1796	SOVRAC STATICO	GLOBAL	Y	-6.25
1796	SISMICA	GLOBAL	Y	-23.79
1797	SOVRAC STATICO	GLOBAL	Y	-6.25
1797	SISMICA	GLOBAL	Y	-23.79
1798	SOVRAC STATICO	GLOBAL	Y	-6.25
1798	SISMICA	GLOBAL	Y	-23.79
1799	SOVRAC STATICO	GLOBAL	Y	-6.25
1799	SISMICA	GLOBAL	Y	-23.79
1800	SOVRAC STATICO	GLOBAL	Y	-6.25
1800	SISMICA	GLOBAL	Y	-23.79
1801	SOVRAC STATICO	GLOBAL	Y	-6.25
1801	SISMICA	GLOBAL	Y	-23.79
1802	SOVRAC STATICO	GLOBAL	Y	-6.25
1802	SISMICA	GLOBAL	Y	-23.79
1803	SOVRAC STATICO	GLOBAL	Y	-6.25
1803	SISMICA	GLOBAL	Y	-23.79
1804	SOVRAC STATICO	GLOBAL	Y	-6.25
1804	SISMICA	GLOBAL	Y	-23.79
1805	SOVRAC STATICO	GLOBAL	Y	-6.25
1805	SISMICA	GLOBAL	Y	-23.79
1806	SOVRAC STATICO	GLOBAL	Y	-6.25
1806	SISMICA	GLOBAL	Y	-23.79
1807	SOVRAC STATICO	GLOBAL	Y	-6.25
1807	SISMICA	GLOBAL	Y	-23.79
1808	SOVRAC STATICO	GLOBAL	Y	-6.25
1808	SISMICA	GLOBAL	Y	-23.79
1809	SOVRAC STATICO	GLOBAL	Y	-6.25
1809	SISMICA	GLOBAL	Y	-23.79
1810	SOVRAC STATICO	GLOBAL	Y	-6.25
1810	SISMICA	GLOBAL	Y	-23.79
1811	SOVRAC STATICO	GLOBAL	Y	-6.25
1811	SISMICA	GLOBAL	Y	-23.79
1812	SOVRAC STATICO	GLOBAL	Y	-6.25
1812	SISMICA	GLOBAL	Y	-23.79
1813	SOVRAC STATICO	GLOBAL	Y	-6.25
1813	SISMICA	GLOBAL	Y	-23.79
1814	SOVRAC STATICO	GLOBAL	Y	-6.25
1814	SISMICA	GLOBAL	Y	-23.79
1815	SOVRAC STATICO	GLOBAL	Y	-6.25
1815	SISMICA	GLOBAL	Y	-23.79
1816	SOVRAC STATICO	GLOBAL	Y	-6.25
1816	SISMICA	GLOBAL	Y	-23.79
1817	SOVRAC STATICO	GLOBAL	Y	-6.25
1817	SISMICA	GLOBAL	Y	-23.79
1818	SOVRAC STATICO	GLOBAL	Y	-6.25
1818	SISMICA	GLOBAL	Y	-23.79
1819	SOVRAC STATICO	GLOBAL	Y	-6.25
1819	SISMICA	GLOBAL	Y	-23.79
1820	SOVRAC STATICO	GLOBAL	Y	-6.25
1820	SISMICA	GLOBAL	Y	-23.79
1821	SOVRAC STATICO	GLOBAL	Y	-6.25
1821	SISMICA	GLOBAL	Y	-23.79
1822	SOVRAC STATICO	GLOBAL	Y	-6.25
1822	SISMICA	GLOBAL	Y	-23.79
1823	SOVRAC STATICO	GLOBAL	Y	-6.25
1823	SISMICA	GLOBAL	Y	-23.79
1824	SOVRAC STATICO	GLOBAL	Y	-6.25
1824	SISMICA	GLOBAL	Y	-23.79
1825	SOVRAC STATICO	GLOBAL	Y	-6.25
1825	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1826	SOVRAC	STATICO	GLOBAL	Y	-6.25
1826		SISMICA	GLOBAL	Y	-23.79
1827	SOVRAC	STATICO	GLOBAL	Y	-6.25
1827		SISMICA	GLOBAL	Y	-23.79
1828	SOVRAC	STATICO	GLOBAL	Y	-6.25
1828		SISMICA	GLOBAL	Y	-23.79
1829	SOVRAC	STATICO	GLOBAL	Y	-6.25
1829		SISMICA	GLOBAL	Y	-23.79
1830	SOVRAC	STATICO	GLOBAL	Y	-6.25
1830		SISMICA	GLOBAL	Y	-23.79
1831	SOVRAC	STATICO	GLOBAL	Y	-6.25
1831		SISMICA	GLOBAL	Y	-23.79
1832	SOVRAC	STATICO	GLOBAL	Y	-6.25
1832		SISMICA	GLOBAL	Y	-23.79
1833	SOVRAC	STATICO	GLOBAL	Y	-6.25
1833		SISMICA	GLOBAL	Y	-23.79
1834	SOVRAC	STATICO	GLOBAL	Y	-6.25
1834		SISMICA	GLOBAL	Y	-23.79
1835	SOVRAC	STATICO	GLOBAL	Y	-6.25
1835		SISMICA	GLOBAL	Y	-23.79
1836	SOVRAC	STATICO	GLOBAL	Y	-6.25
1836		SISMICA	GLOBAL	Y	-23.79
1837	SOVRAC	STATICO	GLOBAL	Y	-6.25
1837		SISMICA	GLOBAL	Y	-23.79
1838	SOVRAC	STATICO	GLOBAL	Y	-6.25
1838		SISMICA	GLOBAL	Y	-23.79
1839	SOVRAC	STATICO	GLOBAL	Y	-6.25
1839		SISMICA	GLOBAL	Y	-23.79
1840	SOVRAC	STATICO	GLOBAL	Y	-6.25
1840		SISMICA	GLOBAL	Y	-23.79
1841	SOVRAC	STATICO	GLOBAL	Y	-6.25
1841		SISMICA	GLOBAL	Y	-23.79
1842	SOVRAC	STATICO	GLOBAL	Y	-6.25
1842		SISMICA	GLOBAL	Y	-23.79
1843	SOVRAC	STATICO	GLOBAL	Y	-6.25
1843		SISMICA	GLOBAL	Y	-23.79
1844	SOVRAC	STATICO	GLOBAL	Y	-6.25
1844		SISMICA	GLOBAL	Y	-23.79
1845	SOVRAC	STATICO	GLOBAL	Y	-6.25
1845		SISMICA	GLOBAL	Y	-23.79
1846	SOVRAC	STATICO	GLOBAL	Y	-6.25
1846		SISMICA	GLOBAL	Y	-23.79
1847	SOVRAC	STATICO	GLOBAL	Y	-6.25
1847		SISMICA	GLOBAL	Y	-23.79
1848	SOVRAC	STATICO	GLOBAL	Y	-6.25
1848		SISMICA	GLOBAL	Y	-23.79
1849	SOVRAC	STATICO	GLOBAL	Y	-6.25
1849		SISMICA	GLOBAL	Y	-23.79
1850	SOVRAC	STATICO	GLOBAL	Y	-6.25
1850		SISMICA	GLOBAL	Y	-23.79
1851	SOVRAC	STATICO	GLOBAL	Y	-6.25
1851		SISMICA	GLOBAL	Y	-23.79
1852	SOVRAC	STATICO	GLOBAL	Y	-6.25
1852		SISMICA	GLOBAL	Y	-23.79
1853	SOVRAC	STATICO	GLOBAL	Y	-6.25
1853		SISMICA	GLOBAL	Y	-23.79
1854	SOVRAC	STATICO	GLOBAL	Y	-6.25
1854		SISMICA	GLOBAL	Y	-23.79
1855	SOVRAC	STATICO	GLOBAL	Y	-6.25
1855		SISMICA	GLOBAL	Y	-23.79
1856	SOVRAC	STATICO	GLOBAL	Y	-6.25
1856		SISMICA	GLOBAL	Y	-23.79
1857	SOVRAC	STATICO	GLOBAL	Y	-6.25
1857		SISMICA	GLOBAL	Y	-23.79
1858	SOVRAC	STATICO	GLOBAL	Y	-6.25
1858		SISMICA	GLOBAL	Y	-23.79
1859	SOVRAC	STATICO	GLOBAL	Y	-6.25
1859		SISMICA	GLOBAL	Y	-23.79
1860	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1860	SISMICA	GLOBAL	Y	-23.79
1861	SOVRAC STATICO	GLOBAL	Y	-6.25
1861	SISMICA	GLOBAL	Y	-23.79
1862	SOVRAC STATICO	GLOBAL	Y	-6.25
1862	SISMICA	GLOBAL	Y	-23.79
1863	SOVRAC STATICO	GLOBAL	Y	-6.25
1863	SISMICA	GLOBAL	Y	-23.79
1864	SOVRAC STATICO	GLOBAL	Y	-6.25
1864	SISMICA	GLOBAL	Y	-23.79
1865	SOVRAC STATICO	GLOBAL	Y	-6.25
1865	SISMICA	GLOBAL	Y	-23.79
1866	SOVRAC STATICO	GLOBAL	Y	-6.25
1866	SISMICA	GLOBAL	Y	-23.79
1867	SOVRAC STATICO	GLOBAL	Y	-6.25
1867	SISMICA	GLOBAL	Y	-23.79
1868	SOVRAC STATICO	GLOBAL	Y	-6.25
1868	SISMICA	GLOBAL	Y	-23.79
1869	SOVRAC STATICO	GLOBAL	Y	-6.25
1869	SISMICA	GLOBAL	Y	-23.79
1870	SOVRAC STATICO	GLOBAL	Y	-6.25
1870	SISMICA	GLOBAL	Y	-23.79
1871	SOVRAC STATICO	GLOBAL	Y	-6.25
1871	SISMICA	GLOBAL	Y	-23.79
1872	SOVRAC STATICO	GLOBAL	Y	-6.25
1872	SISMICA	GLOBAL	Y	-23.79
1873	SOVRAC STATICO	GLOBAL	Y	-6.25
1873	SISMICA	GLOBAL	Y	-23.79
1874	SOVRAC STATICO	GLOBAL	Y	-6.25
1874	SISMICA	GLOBAL	Y	-23.79
1875	SOVRAC STATICO	GLOBAL	Y	-6.25
1875	SISMICA	GLOBAL	Y	-23.79
1876	SOVRAC STATICO	GLOBAL	Y	-6.25
1876	SISMICA	GLOBAL	Y	-23.79
1877	SOVRAC STATICO	GLOBAL	Y	-6.25
1877	SISMICA	GLOBAL	Y	-23.79
1878	SOVRAC STATICO	GLOBAL	Y	-6.25
1878	SISMICA	GLOBAL	Y	-23.79
1879	SOVRAC STATICO	GLOBAL	Y	-6.25
1879	SISMICA	GLOBAL	Y	-23.79
1880	SOVRAC STATICO	GLOBAL	Y	-6.25
1880	SISMICA	GLOBAL	Y	-23.79
1881	SOVRAC STATICO	GLOBAL	Y	-6.25
1881	SISMICA	GLOBAL	Y	-23.79
1882	SOVRAC STATICO	GLOBAL	Y	-6.25
1882	SISMICA	GLOBAL	Y	-23.79
1883	SOVRAC STATICO	GLOBAL	Y	-6.25
1883	SISMICA	GLOBAL	Y	-23.79
1884	SOVRAC STATICO	GLOBAL	Y	-6.25
1884	SISMICA	GLOBAL	Y	-23.79
1885	SOVRAC STATICO	GLOBAL	Y	-6.25
1885	SISMICA	GLOBAL	Y	-23.79
1886	SOVRAC STATICO	GLOBAL	Y	-6.25
1886	SISMICA	GLOBAL	Y	-23.79
1887	SOVRAC STATICO	GLOBAL	Y	-6.25
1887	SISMICA	GLOBAL	Y	-23.79
1888	SOVRAC STATICO	GLOBAL	Y	-6.25
1888	SISMICA	GLOBAL	Y	-23.79
1889	SOVRAC STATICO	GLOBAL	Y	-6.25
1889	SISMICA	GLOBAL	Y	-23.79
1890	SOVRAC STATICO	GLOBAL	Y	-6.25
1890	SISMICA	GLOBAL	Y	-23.79
1891	SOVRAC STATICO	GLOBAL	Y	-6.25
1891	SISMICA	GLOBAL	Y	-23.79
1892	SOVRAC STATICO	GLOBAL	Y	-6.25
1892	SISMICA	GLOBAL	Y	-23.79
1893	SOVRAC STATICO	GLOBAL	Y	-6.25
1893	SISMICA	GLOBAL	Y	-23.79
1894	SOVRAC STATICO	GLOBAL	Y	-6.25
1894	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1895	SOVRAC	STATICO	GLOBAL	Y	-6.25
1895		SISMICA	GLOBAL	Y	-23.79
1896	SOVRAC	STATICO	GLOBAL	Y	-6.25
1896		SISMICA	GLOBAL	Y	-23.79
1897	SOVRAC	STATICO	GLOBAL	Y	-6.25
1897		SISMICA	GLOBAL	Y	-23.79
1898	SOVRAC	STATICO	GLOBAL	Y	-6.25
1898		SISMICA	GLOBAL	Y	-23.79
1899	SOVRAC	STATICO	GLOBAL	Y	-6.25
1899		SISMICA	GLOBAL	Y	-23.79
1900	SOVRAC	STATICO	GLOBAL	Y	-6.25
1900		SISMICA	GLOBAL	Y	-23.79
1901	SOVRAC	STATICO	GLOBAL	Y	-6.25
1901		SISMICA	GLOBAL	Y	-23.79
1902	SOVRAC	STATICO	GLOBAL	Y	-6.25
1902		SISMICA	GLOBAL	Y	-23.79
1903	SOVRAC	STATICO	GLOBAL	Y	-6.25
1903		SISMICA	GLOBAL	Y	-23.79
1904	SOVRAC	STATICO	GLOBAL	Y	-6.25
1904		SISMICA	GLOBAL	Y	-23.79
1905	SOVRAC	STATICO	GLOBAL	Y	-6.25
1905		SISMICA	GLOBAL	Y	-23.79
1906	SOVRAC	STATICO	GLOBAL	Y	-6.25
1906		SISMICA	GLOBAL	Y	-23.79
1907	SOVRAC	STATICO	GLOBAL	Y	-6.25
1907		SISMICA	GLOBAL	Y	-23.79
1908	SOVRAC	STATICO	GLOBAL	Y	-6.25
1908		SISMICA	GLOBAL	Y	-23.79
1909	SOVRAC	STATICO	GLOBAL	Y	-6.25
1909		SISMICA	GLOBAL	Y	-23.79
1910	SOVRAC	STATICO	GLOBAL	Y	-6.25
1910		SISMICA	GLOBAL	Y	-23.79
1911	SOVRAC	STATICO	GLOBAL	Y	-6.25
1911		SISMICA	GLOBAL	Y	-23.79
1912	SOVRAC	STATICO	GLOBAL	Y	-6.25
1912		SISMICA	GLOBAL	Y	-23.79
1913	SOVRAC	STATICO	GLOBAL	Y	-6.25
1913		SISMICA	GLOBAL	Y	-23.79
1914	SOVRAC	STATICO	GLOBAL	Y	-6.25
1914		SISMICA	GLOBAL	Y	-23.79
1915	SOVRAC	STATICO	GLOBAL	Y	-6.25
1915		SISMICA	GLOBAL	Y	-23.79
1916	SOVRAC	STATICO	GLOBAL	Y	-6.25
1916		SISMICA	GLOBAL	Y	-23.79
1917	SOVRAC	STATICO	GLOBAL	Y	-6.25
1917		SISMICA	GLOBAL	Y	-23.79
1918	SOVRAC	STATICO	GLOBAL	Y	-6.25
1918		SISMICA	GLOBAL	Y	-23.79
1919	SOVRAC	STATICO	GLOBAL	Y	-6.25
1919		SISMICA	GLOBAL	Y	-23.79
1920	SOVRAC	STATICO	GLOBAL	Y	-6.25
1920		SISMICA	GLOBAL	Y	-23.79
1921	SOVRAC	STATICO	GLOBAL	Y	-6.25
1921		SISMICA	GLOBAL	Y	-23.79
1922	SOVRAC	STATICO	GLOBAL	Y	-6.25
1922		SISMICA	GLOBAL	Y	-23.79
1923	SOVRAC	STATICO	GLOBAL	Y	-6.25
1923		SISMICA	GLOBAL	Y	-23.79
1924	SOVRAC	STATICO	GLOBAL	Y	-6.25
1924		SISMICA	GLOBAL	Y	-23.79
1925	SOVRAC	STATICO	GLOBAL	Y	-6.25
1925		SISMICA	GLOBAL	Y	-23.79
1926	SOVRAC	STATICO	GLOBAL	Y	-6.25
1926		SISMICA	GLOBAL	Y	-23.79
1927	SOVRAC	STATICO	GLOBAL	Y	-6.25
1927		SISMICA	GLOBAL	Y	-23.79
1928	SOVRAC	STATICO	GLOBAL	Y	-6.25
1928		SISMICA	GLOBAL	Y	-23.79
1929	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1929	SISMICA	GLOBAL	Y	-23.79
1930	SOVRAC STATICO	GLOBAL	Y	-6.25
1930	SISMICA	GLOBAL	Y	-23.79
1931	SOVRAC STATICO	GLOBAL	Y	-6.25
1931	SISMICA	GLOBAL	Y	-23.79
1932	SOVRAC STATICO	GLOBAL	Y	-6.25
1932	SISMICA	GLOBAL	Y	-23.79
1933	SOVRAC STATICO	GLOBAL	Y	-6.25
1933	SISMICA	GLOBAL	Y	-23.79
1934	SOVRAC STATICO	GLOBAL	Y	-6.25
1934	SISMICA	GLOBAL	Y	-23.79
1935	SOVRAC STATICO	GLOBAL	Y	-6.25
1935	SISMICA	GLOBAL	Y	-23.79
1936	SOVRAC STATICO	GLOBAL	Y	-6.25
1936	SISMICA	GLOBAL	Y	-23.79
1937	SOVRAC STATICO	GLOBAL	Y	-6.25
1937	SISMICA	GLOBAL	Y	-23.79
1938	SOVRAC STATICO	GLOBAL	Y	-6.25
1938	SISMICA	GLOBAL	Y	-23.79
1939	SOVRAC STATICO	GLOBAL	Y	-6.25
1939	SISMICA	GLOBAL	Y	-23.79
1940	SOVRAC STATICO	GLOBAL	Y	-6.25
1940	SISMICA	GLOBAL	Y	-23.79
1941	SOVRAC STATICO	GLOBAL	Y	-6.25
1941	SISMICA	GLOBAL	Y	-23.79
1942	SOVRAC STATICO	GLOBAL	Y	-6.25
1942	SISMICA	GLOBAL	Y	-23.79
1943	SOVRAC STATICO	GLOBAL	Y	-6.25
1943	SISMICA	GLOBAL	Y	-23.79
1944	SOVRAC STATICO	GLOBAL	Y	-6.25
1944	SISMICA	GLOBAL	Y	-23.79
1945	SOVRAC STATICO	GLOBAL	Y	-6.25
1945	SISMICA	GLOBAL	Y	-23.79
1946	SOVRAC STATICO	GLOBAL	Y	-6.25
1946	SISMICA	GLOBAL	Y	-23.79
1947	SOVRAC STATICO	GLOBAL	Y	-6.25
1947	SISMICA	GLOBAL	Y	-23.79
1948	SOVRAC STATICO	GLOBAL	Y	-6.25
1948	SISMICA	GLOBAL	Y	-23.79
1949	SOVRAC STATICO	GLOBAL	Y	-6.25
1949	SISMICA	GLOBAL	Y	-23.79
1950	SOVRAC STATICO	GLOBAL	Y	-6.25
1950	SISMICA	GLOBAL	Y	-23.79
1951	SOVRAC STATICO	GLOBAL	Y	-6.25
1951	SISMICA	GLOBAL	Y	-23.79
1952	SOVRAC STATICO	GLOBAL	Y	-6.25
1952	SISMICA	GLOBAL	Y	-23.79
1953	SOVRAC STATICO	GLOBAL	Y	-6.25
1953	SISMICA	GLOBAL	Y	-23.79
1954	SOVRAC STATICO	GLOBAL	Y	-6.25
1954	SISMICA	GLOBAL	Y	-23.79
1955	SOVRAC STATICO	GLOBAL	Y	-6.25
1955	SISMICA	GLOBAL	Y	-23.79
1956	SOVRAC STATICO	GLOBAL	Y	-6.25
1956	SISMICA	GLOBAL	Y	-23.79
1957	SOVRAC STATICO	GLOBAL	Y	-6.25
1957	SISMICA	GLOBAL	Y	-23.79
1958	SOVRAC STATICO	GLOBAL	Y	-6.25
1958	SISMICA	GLOBAL	Y	-23.79
1959	SOVRAC STATICO	GLOBAL	Y	-6.25
1959	SISMICA	GLOBAL	Y	-23.79
1960	SOVRAC STATICO	GLOBAL	Y	-6.25
1960	SISMICA	GLOBAL	Y	-23.79
1961	SOVRAC STATICO	GLOBAL	Y	-6.25
1961	SISMICA	GLOBAL	Y	-23.79
1962	SOVRAC STATICO	GLOBAL	Y	-6.25
1962	SISMICA	GLOBAL	Y	-23.79
1963	SOVRAC STATICO	GLOBAL	Y	-6.25
1963	SISMICA	GLOBAL	Y	-23.79



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1964	SOVRAC	STATICO	GLOBAL	Y	-6.25
1964		SISMICA	GLOBAL	Y	-23.79
1965	SOVRAC	STATICO	GLOBAL	Y	-6.25
1965		SISMICA	GLOBAL	Y	-23.79
1966	SOVRAC	STATICO	GLOBAL	Y	-6.25
1966		SISMICA	GLOBAL	Y	-23.79
1967	SOVRAC	STATICO	GLOBAL	Y	-6.25
1967		SISMICA	GLOBAL	Y	-23.79
1968	SOVRAC	STATICO	GLOBAL	Y	-6.25
1968		SISMICA	GLOBAL	Y	-23.79
1969	SOVRAC	STATICO	GLOBAL	Y	-6.25
1969		SISMICA	GLOBAL	Y	-23.79
1970	SOVRAC	STATICO	GLOBAL	Y	-6.25
1970		SISMICA	GLOBAL	Y	-23.79
1971	SOVRAC	STATICO	GLOBAL	Y	-6.25
1971		SISMICA	GLOBAL	Y	-23.79
1972	SOVRAC	STATICO	GLOBAL	Y	-6.25
1972		SISMICA	GLOBAL	Y	-23.79
1973	SOVRAC	STATICO	GLOBAL	Y	-6.25
1973		SISMICA	GLOBAL	Y	-23.79
1974	SOVRAC	STATICO	GLOBAL	Y	-6.25
1974		SISMICA	GLOBAL	Y	-23.79
1975	SOVRAC	STATICO	GLOBAL	Y	-6.25
1975		SISMICA	GLOBAL	Y	-23.79
1976	SOVRAC	STATICO	GLOBAL	Y	-6.25
1976		SISMICA	GLOBAL	Y	-23.79
1977	SOVRAC	STATICO	GLOBAL	Y	-6.25
1977		SISMICA	GLOBAL	Y	-23.79
1978	SOVRAC	STATICO	GLOBAL	Y	-6.25
1978		SISMICA	GLOBAL	Y	-23.79
1979	SOVRAC	STATICO	GLOBAL	Y	-6.25
1979		SISMICA	GLOBAL	Y	-23.79
1980	SOVRAC	STATICO	GLOBAL	Y	-6.25
1980		SISMICA	GLOBAL	Y	-23.79
1981	SOVRAC	STATICO	GLOBAL	Y	-6.25
1981		SISMICA	GLOBAL	Y	-23.79
1982	SOVRAC	STATICO	GLOBAL	Y	-6.25
1982		SISMICA	GLOBAL	Y	-23.79
1983	SOVRAC	STATICO	GLOBAL	Y	-6.25
1983		SISMICA	GLOBAL	Y	-23.79
1984	SOVRAC	STATICO	GLOBAL	Y	-6.25
1984		SISMICA	GLOBAL	Y	-23.79
1985	SOVRAC	STATICO	GLOBAL	Y	-6.25
1985		SISMICA	GLOBAL	Y	-23.79
1986	SOVRAC	STATICO	GLOBAL	Y	-6.25
1986		SISMICA	GLOBAL	Y	-23.79
1987	SOVRAC	STATICO	GLOBAL	Y	-6.25
1987		SISMICA	GLOBAL	Y	-23.79
1988	SOVRAC	STATICO	GLOBAL	Y	-6.25
1988		SISMICA	GLOBAL	Y	-23.79
1989	SOVRAC	STATICO	GLOBAL	Y	-6.25
1989		SISMICA	GLOBAL	Y	-23.79
1990	SOVRAC	STATICO	GLOBAL	Y	-6.25
1990		SISMICA	GLOBAL	Y	-23.79
1991	SOVRAC	STATICO	GLOBAL	Y	-6.25
1991		SISMICA	GLOBAL	Y	-23.79
1992	SOVRAC	STATICO	GLOBAL	Y	-6.25
1992		SISMICA	GLOBAL	Y	-23.79
1993	SOVRAC	STATICO	GLOBAL	Y	-6.25
1993		SISMICA	GLOBAL	Y	-23.79
1994	SOVRAC	STATICO	GLOBAL	Y	-6.25
1994		SISMICA	GLOBAL	Y	-23.79
1995	SOVRAC	STATICO	GLOBAL	Y	-6.25
1995		SISMICA	GLOBAL	Y	-23.79
1996	SOVRAC	STATICO	GLOBAL	Y	-6.25
1996		SISMICA	GLOBAL	Y	-23.79
1997	SOVRAC	STATICO	GLOBAL	Y	-6.25
1997		SISMICA	GLOBAL	Y	-23.79
1998	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1998		SISMICA	GLOBAL	Y	-23.79
1999	SOVRAC	STATICO	GLOBAL	Y	-6.25
1999		SISMICA	GLOBAL	Y	-23.79
2000	SOVRAC	STATICO	GLOBAL	Y	-6.25
2000		SISMICA	GLOBAL	Y	-23.79
2001	SOVRAC	STATICO	GLOBAL	Y	-6.25
2001		SISMICA	GLOBAL	Y	-23.79
2002	SOVRAC	STATICO	GLOBAL	Y	-6.25
2002		SISMICA	GLOBAL	Y	-23.79
2003	SOVRAC	STATICO	GLOBAL	Y	-6.25
2003		SISMICA	GLOBAL	Y	-23.79
2004	SOVRAC	STATICO	GLOBAL	Y	-6.25
2004		SISMICA	GLOBAL	Y	-23.79
2005	SOVRAC	STATICO	GLOBAL	Y	-6.25
2005		SISMICA	GLOBAL	Y	-23.79
2006	SOVRAC	STATICO	GLOBAL	Y	-6.25
2006		SISMICA	GLOBAL	Y	-23.79
2007	SOVRAC	STATICO	GLOBAL	Y	-6.25
2007		SISMICA	GLOBAL	Y	-23.79
2008	SOVRAC	STATICO	GLOBAL	Y	-6.25
2008		SISMICA	GLOBAL	Y	-23.79
2009	SOVRAC	STATICO	GLOBAL	Y	-6.25
2009		SISMICA	GLOBAL	Y	-23.79
2010	SOVRAC	STATICO	GLOBAL	Y	-6.25
2010		SISMICA	GLOBAL	Y	-23.79
2011	SOVRAC	STATICO	GLOBAL	Y	-6.25
2011		SISMICA	GLOBAL	Y	-23.79
2012	SOVRAC	STATICO	GLOBAL	Y	-6.25
2012		SISMICA	GLOBAL	Y	-23.79
2013	SOVRAC	STATICO	GLOBAL	Y	-6.25
2013		SISMICA	GLOBAL	Y	-23.79
2014	SOVRAC	STATICO	GLOBAL	Y	-6.25
2014		SISMICA	GLOBAL	Y	-23.79
2015	SOVRAC	STATICO	GLOBAL	Y	-6.25
2015		SISMICA	GLOBAL	Y	-23.79
2016	SOVRAC	STATICO	GLOBAL	Y	-6.25
2016		SISMICA	GLOBAL	Y	-23.79
2017	SOVRAC	STATICO	GLOBAL	Y	-6.25
2017		SISMICA	GLOBAL	Y	-23.79
2018	SOVRAC	STATICO	GLOBAL	Y	-6.25
2018		SISMICA	GLOBAL	Y	-23.79
2019	SOVRAC	STATICO	GLOBAL	Y	-6.25
2019		SISMICA	GLOBAL	Y	-23.79
2020	SOVRAC	STATICO	GLOBAL	Y	-6.25
2020		SISMICA	GLOBAL	Y	-23.79
2021	SOVRAC	STATICO	GLOBAL	Y	-6.25
2021		SISMICA	GLOBAL	Y	-23.79
2022	SOVRAC	STATICO	GLOBAL	Y	-6.25
2022		SISMICA	GLOBAL	Y	-23.79
2023	SOVRAC	STATICO	GLOBAL	Y	-6.25
2023		SISMICA	GLOBAL	Y	-23.79
2024	SOVRAC	STATICO	GLOBAL	Y	-6.25
2024		SISMICA	GLOBAL	Y	-23.79
2025	SOVRAC	STATICO	GLOBAL	Y	-6.25
2025		SISMICA	GLOBAL	Y	-23.79
2026	SOVRAC	STATICO	GLOBAL	Y	-6.25
2026		SISMICA	GLOBAL	Y	-23.79
2027	SOVRAC	STATICO	GLOBAL	Y	-6.25
2027		SISMICA	GLOBAL	Y	-23.79
2028	SOVRAC	STATICO	GLOBAL	Y	-6.25
2028		SISMICA	GLOBAL	Y	-23.79
2029	SOVRAC	STATICO	GLOBAL	Y	-6.25
2029		SISMICA	GLOBAL	Y	-23.79
2030	SOVRAC	STATICO	GLOBAL	Y	-6.25
2030		SISMICA	GLOBAL	Y	-23.79
2031	SOVRAC	STATICO	GLOBAL	Y	-6.25
2031		SISMICA	GLOBAL	Y	-23.79
2032	SOVRAC	STATICO	GLOBAL	Y	-6.25
2032		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2033	SOVRAC	STATICO	GLOBAL	Y	-6.25
2033		SISMICA	GLOBAL	Y	-23.79
2034	SOVRAC	STATICO	GLOBAL	Y	-6.25
2034		SISMICA	GLOBAL	Y	-23.79
2035	SOVRAC	STATICO	GLOBAL	Y	-6.25
2035		SISMICA	GLOBAL	Y	-23.79
2036	SOVRAC	STATICO	GLOBAL	Y	-6.25
2036		SISMICA	GLOBAL	Y	-23.79
2037	SOVRAC	STATICO	GLOBAL	Y	-6.25
2037		SISMICA	GLOBAL	Y	-23.79
2038	SOVRAC	STATICO	GLOBAL	Y	-6.25
2038		SISMICA	GLOBAL	Y	-23.79
2039	SOVRAC	STATICO	GLOBAL	Y	-6.25
2039		SISMICA	GLOBAL	Y	-23.79
2040	SOVRAC	STATICO	GLOBAL	Y	-6.25
2040		SISMICA	GLOBAL	Y	-23.79
2041	SOVRAC	STATICO	GLOBAL	Y	-6.25
2041		SISMICA	GLOBAL	Y	-23.79
2042	SOVRAC	STATICO	GLOBAL	Y	-6.25
2042		SISMICA	GLOBAL	Y	-23.79
2043	SOVRAC	STATICO	GLOBAL	Y	-6.25
2043		SISMICA	GLOBAL	Y	-23.79
2044	SOVRAC	STATICO	GLOBAL	Y	-6.25
2044		SISMICA	GLOBAL	Y	-23.79
2045	SOVRAC	STATICO	GLOBAL	Y	-6.25
2045		SISMICA	GLOBAL	Y	-23.79
2046	SOVRAC	STATICO	GLOBAL	Y	-6.25
2046		SISMICA	GLOBAL	Y	-23.79
2047	SOVRAC	STATICO	GLOBAL	Y	-6.25
2047		SISMICA	GLOBAL	Y	-23.79
2048	SOVRAC	STATICO	GLOBAL	Y	-6.25
2048		SISMICA	GLOBAL	Y	-23.79
2049	SOVRAC	STATICO	GLOBAL	Y	-6.25
2049		SISMICA	GLOBAL	Y	-23.79
2050	SOVRAC	STATICO	GLOBAL	Y	-6.25
2050		SISMICA	GLOBAL	Y	-23.79
2051	SOVRAC	STATICO	GLOBAL	Y	-6.25
2051		SISMICA	GLOBAL	Y	-23.79
2052	SOVRAC	STATICO	GLOBAL	Y	-6.25
2052		SISMICA	GLOBAL	Y	-23.79
2053	SOVRAC	STATICO	GLOBAL	Y	-6.25
2053		SISMICA	GLOBAL	Y	-23.79
2054	SOVRAC	STATICO	GLOBAL	Y	-6.25
2054		SISMICA	GLOBAL	Y	-23.79
2055	SOVRAC	STATICO	GLOBAL	Y	-6.25
2055		SISMICA	GLOBAL	Y	-23.79
2056	SOVRAC	STATICO	GLOBAL	Y	-6.25
2056		SISMICA	GLOBAL	Y	-23.79
2057	SOVRAC	STATICO	GLOBAL	Y	-6.25
2057		SISMICA	GLOBAL	Y	-23.79
2058	SOVRAC	STATICO	GLOBAL	Y	-6.25
2058		SISMICA	GLOBAL	Y	-23.79
2059	SOVRAC	STATICO	GLOBAL	Y	-6.25
2059		SISMICA	GLOBAL	Y	-23.79
2060	SOVRAC	STATICO	GLOBAL	Y	-6.25
2060		SISMICA	GLOBAL	Y	-23.79
2061	SOVRAC	STATICO	GLOBAL	Y	-6.25
2061		SISMICA	GLOBAL	Y	-23.79
2062	SOVRAC	STATICO	GLOBAL	Y	-6.25
2062		SISMICA	GLOBAL	Y	-23.79
2063	SOVRAC	STATICO	GLOBAL	Y	-6.25
2063		SISMICA	GLOBAL	Y	-23.79
2064	SOVRAC	STATICO	GLOBAL	Y	-6.25
2064		SISMICA	GLOBAL	Y	-23.79
2065	SOVRAC	STATICO	GLOBAL	Y	-6.25
2065		SISMICA	GLOBAL	Y	-23.79
2066	SOVRAC	STATICO	GLOBAL	Y	-6.25
2066		SISMICA	GLOBAL	Y	-23.79
2067	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2067	SISMICA	GLOBAL	Y	-23.79
2068	SOVRAC STATICO	GLOBAL	Y	-6.25
2068	SISMICA	GLOBAL	Y	-23.79
2069	SOVRAC STATICO	GLOBAL	Y	-6.25
2069	SISMICA	GLOBAL	Y	-23.79
2070	SOVRAC STATICO	GLOBAL	Y	-6.25
2070	SISMICA	GLOBAL	Y	-23.79
2071	SOVRAC STATICO	GLOBAL	Y	-6.25
2071	SISMICA	GLOBAL	Y	-23.79
2072	SOVRAC STATICO	GLOBAL	Y	-6.25
2072	SISMICA	GLOBAL	Y	-23.79
2073	SOVRAC STATICO	GLOBAL	Y	-6.25
2073	SISMICA	GLOBAL	Y	-23.79
2074	SOVRAC STATICO	GLOBAL	Y	-6.25
2074	SISMICA	GLOBAL	Y	-23.79
2075	SOVRAC STATICO	GLOBAL	Y	-6.25
2075	SISMICA	GLOBAL	Y	-23.79
2076	SOVRAC STATICO	GLOBAL	Y	-6.25
2076	SISMICA	GLOBAL	Y	-23.79
2077	SOVRAC STATICO	GLOBAL	Y	-6.25
2077	SISMICA	GLOBAL	Y	-23.79
2078	SOVRAC STATICO	GLOBAL	Y	-6.25
2078	SISMICA	GLOBAL	Y	-23.79
2079	SOVRAC STATICO	GLOBAL	Y	-6.25
2079	SISMICA	GLOBAL	Y	-23.79
2080	SOVRAC STATICO	GLOBAL	Y	-6.25
2080	SISMICA	GLOBAL	Y	-23.79
2081	SOVRAC STATICO	GLOBAL	Y	-6.25
2081	SISMICA	GLOBAL	Y	-23.79
2082	SOVRAC STATICO	GLOBAL	Y	-6.25
2082	SISMICA	GLOBAL	Y	-23.79
2083	SOVRAC STATICO	GLOBAL	Y	-6.25
2083	SISMICA	GLOBAL	Y	-23.79
2084	SOVRAC STATICO	GLOBAL	Y	-6.25
2084	SISMICA	GLOBAL	Y	-23.79
2085	SOVRAC STATICO	GLOBAL	Y	-6.25
2085	SISMICA	GLOBAL	Y	-23.79
2086	SOVRAC STATICO	GLOBAL	Y	-6.25
2086	SISMICA	GLOBAL	Y	-23.79
2087	SOVRAC STATICO	GLOBAL	Y	-6.25
2087	SISMICA	GLOBAL	Y	-23.79
2088	SOVRAC STATICO	GLOBAL	Y	-6.25
2088	SISMICA	GLOBAL	Y	-23.79
2089	SOVRAC STATICO	GLOBAL	Y	-6.25
2089	SISMICA	GLOBAL	Y	-23.79
2090	SOVRAC STATICO	GLOBAL	Y	-6.25
2090	SISMICA	GLOBAL	Y	-23.79
2091	SOVRAC STATICO	GLOBAL	Y	-6.25
2091	SISMICA	GLOBAL	Y	-23.79
2092	SOVRAC STATICO	GLOBAL	Y	-6.25
2092	SISMICA	GLOBAL	Y	-23.79
2093	SOVRAC STATICO	GLOBAL	Y	-6.25
2093	SISMICA	GLOBAL	Y	-23.79
2094	SOVRAC STATICO	GLOBAL	Y	-6.25
2094	SISMICA	GLOBAL	Y	-23.79
2095	SOVRAC STATICO	GLOBAL	Y	-6.25
2095	SISMICA	GLOBAL	Y	-23.79
2096	SOVRAC STATICO	GLOBAL	Y	-6.25
2096	SISMICA	GLOBAL	Y	-23.79
2097	SOVRAC STATICO	GLOBAL	Y	-6.25
2097	SISMICA	GLOBAL	Y	-23.79
2098	SOVRAC STATICO	GLOBAL	Y	-6.25
2098	SISMICA	GLOBAL	Y	-23.79
2099	SOVRAC STATICO	GLOBAL	Y	-6.25
2099	SISMICA	GLOBAL	Y	-23.79
2100	SOVRAC STATICO	GLOBAL	Y	-6.25
2100	SISMICA	GLOBAL	Y	-23.79
2101	SOVRAC STATICO	GLOBAL	Y	-6.25
2101	SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2102	SOVRAC	STATICO	GLOBAL	Y	-6.25
2102		SISMICA	GLOBAL	Y	-23.79
2103	SOVRAC	STATICO	GLOBAL	Y	-6.25
2103		SISMICA	GLOBAL	Y	-23.79
2104	SOVRAC	STATICO	GLOBAL	Y	-6.25
2104		SISMICA	GLOBAL	Y	-23.79
2105	SOVRAC	STATICO	GLOBAL	Y	-6.25
2105		SISMICA	GLOBAL	Y	-23.79
2106	SOVRAC	STATICO	GLOBAL	Y	-6.25
2106		SISMICA	GLOBAL	Y	-23.79
2107	SOVRAC	STATICO	GLOBAL	Y	-6.25
2107		SISMICA	GLOBAL	Y	-23.79
2108	SOVRAC	STATICO	GLOBAL	Y	-6.25
2108		SISMICA	GLOBAL	Y	-23.79
2109	SOVRAC	STATICO	GLOBAL	Y	-6.25
2109		SISMICA	GLOBAL	Y	-23.79
2110	SOVRAC	STATICO	GLOBAL	Y	-6.25
2110		SISMICA	GLOBAL	Y	-23.79
2111	SOVRAC	STATICO	GLOBAL	Y	-6.25
2111		SISMICA	GLOBAL	Y	-23.79
2112	SOVRAC	STATICO	GLOBAL	Y	-6.25
2112		SISMICA	GLOBAL	Y	-23.79
2113	SOVRAC	STATICO	GLOBAL	Y	-6.25
2113		SISMICA	GLOBAL	Y	-23.79
2114	SOVRAC	STATICO	GLOBAL	Y	-6.25
2114		SISMICA	GLOBAL	Y	-23.79
2115	SOVRAC	STATICO	GLOBAL	Y	-6.25
2115		SISMICA	GLOBAL	Y	-23.79
2116	SOVRAC	STATICO	GLOBAL	Y	-6.25
2116		SISMICA	GLOBAL	Y	-23.79
2117	SOVRAC	STATICO	GLOBAL	Y	-6.25
2117		SISMICA	GLOBAL	Y	-23.79
2118	SOVRAC	STATICO	GLOBAL	Y	-6.25
2118		SISMICA	GLOBAL	Y	-23.79
2119	SOVRAC	STATICO	GLOBAL	Y	-6.25
2119		SISMICA	GLOBAL	Y	-23.79
2120	SOVRAC	STATICO	GLOBAL	Y	-6.25
2120		SISMICA	GLOBAL	Y	-23.79
2121	SOVRAC	STATICO	GLOBAL	Y	-6.25
2121		SISMICA	GLOBAL	Y	-23.79
2122	SOVRAC	STATICO	GLOBAL	Y	-6.25
2122		SISMICA	GLOBAL	Y	-23.79
2123	SOVRAC	STATICO	GLOBAL	Y	-6.25
2123		SISMICA	GLOBAL	Y	-23.79
2124	SOVRAC	STATICO	GLOBAL	Y	-6.25
2124		SISMICA	GLOBAL	Y	-23.79
2125	SOVRAC	STATICO	GLOBAL	Y	-6.25
2125		SISMICA	GLOBAL	Y	-23.79
2126	SOVRAC	STATICO	GLOBAL	Y	-6.25
2126		SISMICA	GLOBAL	Y	-23.79
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2127		SISMICA	GLOBAL	Y	-23.79
2128	SOVRAC	STATICO	GLOBAL	Y	-6.25
2128		SISMICA	GLOBAL	Y	-23.79
2129	SOVRAC	STATICO	GLOBAL	Y	-6.25
2129		SISMICA	GLOBAL	Y	-23.79
2130	SOVRAC	STATICO	GLOBAL	Y	-6.25
2130		SISMICA	GLOBAL	Y	-23.79
2131	SOVRAC	STATICO	GLOBAL	Y	-6.25
2131		SISMICA	GLOBAL	Y	-23.79
2132	SOVRAC	STATICO	GLOBAL	Y	-6.25
2132		SISMICA	GLOBAL	Y	-23.79
2133	SOVRAC	STATICO	GLOBAL	Y	-6.25
2133		SISMICA	GLOBAL	Y	-23.79
2134	SOVRAC	STATICO	GLOBAL	Y	-6.25
2134		SISMICA	GLOBAL	Y	-23.79
2135	SOVRAC	STATICO	GLOBAL	Y	-6.25
2135		SISMICA	GLOBAL	Y	-23.79
2136	SOVRAC	STATICO	GLOBAL	Y	-6.25

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2136		SISMICA	GLOBAL	Y	-23.79
2137	SOVRAC	STATICO	GLOBAL	Y	-6.25
2137		SISMICA	GLOBAL	Y	-23.79
2138	SOVRAC	STATICO	GLOBAL	Y	-6.25
2138		SISMICA	GLOBAL	Y	-23.79
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2139		SISMICA	GLOBAL	Y	-23.79
2140	SOVRAC	STATICO	GLOBAL	Y	-6.25
2140		SISMICA	GLOBAL	Y	-23.79
2141	SOVRAC	STATICO	GLOBAL	Y	-6.25
2141		SISMICA	GLOBAL	Y	-23.79
2142	SOVRAC	STATICO	GLOBAL	Y	-6.25
2142		SISMICA	GLOBAL	Y	-23.79
2143	SOVRAC	STATICO	GLOBAL	Y	-6.25
2143		SISMICA	GLOBAL	Y	-23.79
2144	SOVRAC	STATICO	GLOBAL	Y	-6.25
2144		SISMICA	GLOBAL	Y	-23.79
2145	SOVRAC	STATICO	GLOBAL	Y	-6.25
2145		SISMICA	GLOBAL	Y	-23.79
2146	SOVRAC	STATICO	GLOBAL	Y	-6.25
2146		SISMICA	GLOBAL	Y	-23.79
2147	SOVRAC	STATICO	GLOBAL	Y	-6.25
2147		SISMICA	GLOBAL	Y	-23.79
2148	SOVRAC	STATICO	GLOBAL	Y	-6.25
2148		SISMICA	GLOBAL	Y	-23.79
2149	SOVRAC	STATICO	GLOBAL	Y	-6.25
2149		SISMICA	GLOBAL	Y	-23.79
2150	SOVRAC	STATICO	GLOBAL	Y	-6.25
2150		SISMICA	GLOBAL	Y	-23.79
2151	SOVRAC	STATICO	GLOBAL	Y	-6.25
2151		SISMICA	GLOBAL	Y	-23.79
2152	SOVRAC	STATICO	GLOBAL	Y	-6.25
2152		SISMICA	GLOBAL	Y	-23.79
2153	SOVRAC	STATICO	GLOBAL	Y	-6.25
2153		SISMICA	GLOBAL	Y	-23.79
2154	SOVRAC	STATICO	GLOBAL	Y	-6.25
2154		SISMICA	GLOBAL	Y	-23.79
2155	SOVRAC	STATICO	GLOBAL	Y	-6.25
2155		SISMICA	GLOBAL	Y	-23.79
2156	SOVRAC	STATICO	GLOBAL	Y	-6.25
2156		SISMICA	GLOBAL	Y	-23.79
2157	SOVRAC	STATICO	GLOBAL	Y	-6.25
2157		SISMICA	GLOBAL	Y	-23.79
2158	SOVRAC	STATICO	GLOBAL	Y	-6.25
2158		SISMICA	GLOBAL	Y	-23.79
2159	SOVRAC	STATICO	GLOBAL	Y	-6.25
2159		SISMICA	GLOBAL	Y	-23.79
2160	SOVRAC	STATICO	GLOBAL	Y	-6.25
2160		SISMICA	GLOBAL	Y	-23.79
2161	SOVRAC	STATICO	GLOBAL	Y	-6.25
2161		SISMICA	GLOBAL	Y	-23.79
2162	SOVRAC	STATICO	GLOBAL	Y	-6.25
2162		SISMICA	GLOBAL	Y	-23.79
2163	SOVRAC	STATICO	GLOBAL	Y	-6.25
2163		SISMICA	GLOBAL	Y	-23.79
2164	SOVRAC	STATICO	GLOBAL	Y	-6.25
2164		SISMICA	GLOBAL	Y	-23.79
2165	SOVRAC	STATICO	GLOBAL	Y	-6.25
2165		SISMICA	GLOBAL	Y	-23.79
2166	SOVRAC	STATICO	GLOBAL	Y	-6.25
2166		SISMICA	GLOBAL	Y	-23.79
2167	SOVRAC	STATICO	GLOBAL	Y	-6.25
2167		SISMICA	GLOBAL	Y	-23.79
2168	SOVRAC	STATICO	GLOBAL	Y	-6.25
2168		SISMICA	GLOBAL	Y	-23.79
2169	SOVRAC	STATICO	GLOBAL	Y	-6.25
2169		SISMICA	GLOBAL	Y	-23.79
2170	SOVRAC	STATICO	GLOBAL	Y	-6.25
2170		SISMICA	GLOBAL	Y	-23.79

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2171	SOVRAC STATICO	GLOBAL	Y	-6.25
2171	SISMICA	GLOBAL	Y	-23.79

Table: Area Section Assignments

Area	Section	MatProp
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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131	POZZ	Default



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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201	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

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1736	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1737	POZZ	Default
1738	POZZ	Default
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1740	POZZ	Default
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1805	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1806	POZZ	Default
1807	POZZ	Default
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1809	POZZ	Default
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1867	POZZ	Default
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1869	POZZ	Default
1870	POZZ	Default
1871	POZZ	Default
1872	POZZ	Default
1873	POZZ	Default
1874	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1875	POZZ	Default
1876	POZZ	Default
1877	POZZ	Default
1878	POZZ	Default
1879	POZZ	Default
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1881	POZZ	Default
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1883	POZZ	Default
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1934	POZZ	Default
1935	POZZ	Default
1936	POZZ	Default
1937	POZZ	Default
1938	POZZ	Default
1939	POZZ	Default
1940	POZZ	Default
1941	POZZ	Default
1942	POZZ	Default
1943	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1944	POZZ	Default
1945	POZZ	Default
1946	POZZ	Default
1947	POZZ	Default
1948	POZZ	Default
1949	POZZ	Default
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1951	POZZ	Default
1952	POZZ	Default
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2004	POZZ	Default
2005	POZZ	Default
2006	POZZ	Default
2007	POZZ	Default
2008	POZZ	Default
2009	POZZ	Default
2010	POZZ	Default
2011	POZZ	Default
2012	POZZ	Default



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2013	POZZ	Default
2014	POZZ	Default
2015	POZZ	Default
2016	POZZ	Default
2017	POZZ	Default
2018	POZZ	Default
2019	POZZ	Default
2020	POZZ	Default
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2081	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2082	POZZ	Default
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2108	POZZ	Default
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2147	POZZ	Default
2148	POZZ	Default
2149	POZZ	Default
2150	POZZ	Default

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2151	POZZ	Default
2152	POZZ	Default
2153	POZZ	Default
2154	POZZ	Default
2155	POZZ	Default
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2159	POZZ	Default
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2161	POZZ	Default
2162	POZZ	Default
2163	POZZ	Default
2164	POZZ	Default
2165	POZZ	Default
2166	POZZ	Default
2167	POZZ	Default
2168	POZZ	Default
2169	POZZ	Default
2170	POZZ	Default
2171	POZZ	Default

Table: Area Section Properties, Part 1 of 4

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
POZZ	C32/40	0.000	Shell	Shell-Thick	Yes	0.300000	0.300000	
SSEC1	C32/40	0.000	Shell	Shell-Thin	Yes	1.000000	1.000000	

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	TotalWt KN	TotalMass KN-s2/m	F11Mod	F22Mod
POZZ			2	224.865	22.49	1.000000	1.000000
SSEC1			2	0.000	0.00	1.000000	1.000000

Table: Area Section Properties, Part 3 of 4

Section	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod	MMod	WMod
POZZ	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000
SSEC1	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Table: Area Section Properties, Part 4 of 4

Section	GUID	Notes
POZZ		
SSEC1		

Table: Area Section Property Design Parameters

Section	RebarMat	RebarOpt
POZZ	None	Default
SSEC1	None	Default

Table: Combination Definitions, Part 1 of 3

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
SLU-STATICA	Linear Add	No	Linear Static	LOAD	1.300000	No
SLU-STATICA			Linear Static	STATICA	1.300000	
SLU-STATICA			Linear Static	SOVRAC	1.500000	
SLU-SISMICA	Linear Add	No	Linear Static	LOAD	1.000000	No
SLU-SISMICA			Linear Static	STATICA	1.000000	
SLU-SISMICA			Linear Static	SISMICA	1.000000	
SLE-RARA	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-RARA			Linear Static	STATICA	1.000000	
SLE-RARA			Linear Static	SOVRAC	1.000000	
SLE-FREQ.	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-FREQ.			Linear Static	STATICA	1.000000	
SLE-FREQ.			Linear Static	SOVRAC	0.750000	
SLE-QP	Linear Add	No	Linear Static	LOAD	1.000000	No
SLE-QP			Linear Static	STATICA	1.000000	
INVSLE	Envelope	No	Response Combo	SLE-RARA	1.000000	No
INVSLE			Response Combo	SLE-FREQ.	1.000000	
INVSLE			Response Combo	SLE-QP	1.000000	
INVSLU	Envelope	No	Response Combo	SLU-STATICA	1.000000	No
INVSLU			Response Combo	SLU-SISMICA	1.000000	

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign	GUID
SLU-STATICA	LOAD	No	No	No	
SLU-STATICA	STATICA				
SLU-STATICA	SOVRAC				
SLU-SISMICA	LOAD	No	No	No	
SLU-SISMICA	STATICA				
SLU-SISMICA	SISMICA				
SLE-RARA	LOAD	No	No	No	
SLE-RARA	STATICA				
SLE-RARA	SOVRAC				
SLE-FREQ.	LOAD	No	No	No	
SLE-FREQ.	STATICA				
SLE-FREQ.	SOVRAC				
SLE-QP	LOAD	No	No	No	
SLE-QP	STATICA				
INVSLE	SLE-RARA	No	No	No	
INVSLE	SLE-FREQ.				
INVSLE	SLE-QP				
INVSLU	SLU-STATICA	No	No	No	
INVSLU	SLU-SISMICA				

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	Notes
SLU-STATICA	LOAD	
SLU-STATICA	STATICA	
SLU-STATICA	SOVRAC	
SLU-SISMICA	LOAD	
SLU-SISMICA	STATICA	
SLU-SISMICA	SISMICA	
SLE-RARA	LOAD	
SLE-RARA	STATICA	
SLE-RARA	SOVRAC	
SLE-FREQ.	LOAD	
SLE-FREQ.	STATICA	
SLE-FREQ.	SOVRAC	
SLE-QP	LOAD	

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

SLE-QP                    STATICA  
INVSLE                   SLE-RARA  
INVSLE                   SLE-FREQ.  
INVSLE                   SLE-QP  
INVSLU                   SLU-STATICA  
INVSLU                   SLU-SISMICA

Table: Connectivity - Area, Part 1 of 2

Area	NumJoints	Joint1	Joint2	Joint3	Joint4	Perimeter m	AreaArea m2
3	4	1	2062	1476	85	0.334150	0.006310
4	4	85	1476	1496	87	0.334150	0.006310
5	4	87	1496	1516	89	0.415370	0.008653
6	4	89	1516	1536	91	0.415370	0.008653
7	4	91	1536	1556	93	0.415370	0.008653
8	4	93	1556	1576	95	0.415370	0.008653
9	4	95	1576	1596	97	0.415370	0.008653
10	4	97	1596	1616	99	0.415370	0.008653
11	4	99	1616	1636	101	0.415370	0.008653
12	4	101	1636	1656	103	0.415370	0.008653
13	4	103	1656	1676	105	0.415370	0.008653
14	4	105	1676	1696	107	0.415370	0.008653
15	4	107	1696	1716	109	0.415370	0.008653
16	4	109	1716	1736	3	0.415370	0.008653
17	4	2062	2061	1475	1476	0.392331	0.009492
18	4	1476	1475	1495	1496	0.392331	0.009492
19	4	1496	1495	1515	1516	0.473551	0.013016
20	4	1516	1515	1535	1536	0.473551	0.013016
21	4	1536	1535	1555	1556	0.473551	0.013016
22	4	1556	1555	1575	1576	0.473551	0.013016
23	4	1576	1575	1595	1596	0.473551	0.013016
24	4	1596	1595	1615	1616	0.473551	0.013016
25	4	1616	1615	1635	1636	0.473551	0.013016
26	4	1636	1635	1655	1656	0.473551	0.013016
27	4	1656	1655	1675	1676	0.473551	0.013016
28	4	1676	1675	1695	1696	0.473551	0.013016
29	4	1696	1695	1715	1716	0.473551	0.013016
30	4	1716	1715	1735	1736	0.473551	0.013016
31	4	2061	2060	1474	1475	0.392331	0.009492
32	4	1475	1474	1494	1495	0.392331	0.009492
33	4	1495	1494	1514	1515	0.473551	0.013016
34	4	1515	1514	1534	1535	0.473551	0.013016
35	4	1535	1534	1554	1555	0.473551	0.013016
36	4	1555	1554	1574	1575	0.473551	0.013016
37	4	1575	1574	1594	1595	0.473551	0.013016
38	4	1595	1594	1614	1615	0.473551	0.013016
39	4	1615	1614	1634	1635	0.473551	0.013016
40	4	1635	1634	1654	1655	0.473551	0.013016
41	4	1655	1654	1674	1675	0.473551	0.013016
42	4	1675	1674	1694	1695	0.473551	0.013016
43	4	1695	1694	1714	1715	0.473551	0.013016
44	4	1715	1714	1734	1735	0.473551	0.013016
45	4	2060	2059	1473	1474	0.392331	0.009492
46	4	1474	1473	1493	1494	0.392331	0.009492
47	4	1494	1493	1513	1514	0.473551	0.013016
48	4	1514	1513	1533	1534	0.473551	0.013016
49	4	1534	1533	1553	1554	0.473551	0.013016
50	4	1554	1553	1573	1574	0.473551	0.013016
51	4	1574	1573	1593	1594	0.473551	0.013016
52	4	1594	1593	1613	1614	0.473551	0.013016
53	4	1614	1613	1633	1634	0.473551	0.013016
54	4	1634	1633	1653	1654	0.473551	0.013016
55	4	1654	1653	1673	1674	0.473551	0.013016
56	4	1674	1673	1693	1694	0.473551	0.013016
57	4	1694	1693	1713	1714	0.473551	0.013016
58	4	1714	1713	1733	1734	0.473551	0.013016

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

59	4	2059	2058	1472	1473	0.392331	0.009492
60	4	1473	1472	1492	1493	0.392331	0.009492
61	4	1493	1492	1512	1513	0.473551	0.013016
62	4	1513	1512	1532	1533	0.473551	0.013016
63	4	1533	1532	1552	1553	0.473551	0.013016
64	4	1553	1552	1572	1573	0.473551	0.013016
65	4	1573	1572	1592	1593	0.473551	0.013016
66	4	1593	1592	1612	1613	0.473551	0.013016
67	4	1613	1612	1632	1633	0.473551	0.013016
68	4	1633	1632	1652	1653	0.473551	0.013016
69	4	1653	1652	1672	1673	0.473551	0.013016
70	4	1673	1672	1692	1693	0.473551	0.013016
71	4	1693	1692	1712	1713	0.473551	0.013016
72	4	1713	1712	1732	1733	0.473551	0.013016
73	4	2058	2057	1471	1472	0.392331	0.009492
74	4	1472	1471	1491	1492	0.392331	0.009492
75	4	1492	1491	1511	1512	0.473551	0.013016
76	4	1512	1511	1531	1532	0.473551	0.013016
77	4	1532	1531	1551	1552	0.473551	0.013016
78	4	1552	1551	1571	1572	0.473551	0.013016
79	4	1572	1571	1591	1592	0.473551	0.013016
80	4	1592	1591	1611	1612	0.473551	0.013016
81	4	1612	1611	1631	1632	0.473551	0.013016
82	4	1632	1631	1651	1652	0.473551	0.013016
83	4	1652	1651	1671	1672	0.473551	0.013016
84	4	1672	1671	1691	1692	0.473551	0.013016
85	4	1692	1691	1711	1712	0.473551	0.013016
86	4	1712	1711	1731	1732	0.473551	0.013016
87	4	2057	2056	1470	1471	0.392331	0.009492
88	4	1471	1470	1490	1491	0.392331	0.009492
89	4	1491	1490	1510	1511	0.473551	0.013016
90	4	1511	1510	1530	1531	0.473551	0.013016
91	4	1531	1530	1550	1551	0.473551	0.013016
92	4	1551	1550	1570	1571	0.473551	0.013016
93	4	1571	1570	1590	1591	0.473551	0.013016
94	4	1591	1590	1610	1611	0.473551	0.013016
95	4	1611	1610	1630	1631	0.473551	0.013016
96	4	1631	1630	1650	1651	0.473551	0.013016
97	4	1651	1650	1670	1671	0.473551	0.013016
98	4	1671	1670	1690	1691	0.473551	0.013016
99	4	1691	1690	1710	1711	0.473551	0.013016
100	4	1711	1710	1730	1731	0.473551	0.013016
101	4	2056	2055	1469	1470	0.392331	0.009492
102	4	1470	1469	1489	1490	0.392331	0.009492
103	4	1490	1489	1509	1510	0.473551	0.013016
104	4	1510	1509	1529	1530	0.473551	0.013016
105	4	1530	1529	1549	1550	0.473551	0.013016
106	4	1550	1549	1569	1570	0.473551	0.013016
107	4	1570	1569	1589	1590	0.473551	0.013016
108	4	1590	1589	1609	1610	0.473551	0.013016
109	4	1610	1609	1629	1630	0.473551	0.013016
110	4	1630	1629	1649	1650	0.473551	0.013016
111	4	1650	1649	1669	1670	0.473551	0.013016
112	4	1670	1669	1689	1690	0.473551	0.013016
113	4	1690	1689	1709	1710	0.473551	0.013016
114	4	1710	1709	1729	1730	0.473551	0.013016
115	4	2055	2054	1468	1469	0.392331	0.009492
116	4	1469	1468	1488	1489	0.392331	0.009492
117	4	1489	1488	1508	1509	0.473551	0.013016
118	4	1509	1508	1528	1529	0.473551	0.013016
119	4	1529	1528	1548	1549	0.473551	0.013016
120	4	1549	1548	1568	1569	0.473551	0.013016
121	4	1569	1568	1588	1589	0.473551	0.013016
122	4	1589	1588	1608	1609	0.473551	0.013016
123	4	1609	1608	1628	1629	0.473551	0.013016
124	4	1629	1628	1648	1649	0.473551	0.013016
125	4	1649	1648	1668	1669	0.473551	0.013016
126	4	1669	1668	1688	1689	0.473551	0.013016
127	4	1689	1688	1708	1709	0.473551	0.013016

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128	4	1709	1708	1728	1729	0.473551	0.013016
129	4	2054	2053	1467	1468	0.392331	0.009492
130	4	1468	1467	1487	1488	0.392331	0.009492
131	4	1488	1487	1507	1508	0.473551	0.013016
132	4	1508	1507	1527	1528	0.473551	0.013016
133	4	1528	1527	1547	1548	0.473551	0.013016
134	4	1548	1547	1567	1568	0.473551	0.013016
135	4	1568	1567	1587	1588	0.473551	0.013016
136	4	1588	1587	1607	1608	0.473551	0.013016
137	4	1608	1607	1627	1628	0.473551	0.013016
138	4	1628	1627	1647	1648	0.473551	0.013016
139	4	1648	1647	1667	1668	0.473551	0.013016
140	4	1668	1667	1687	1688	0.473551	0.013016
141	4	1688	1687	1707	1708	0.473551	0.013016
142	4	1708	1707	1727	1728	0.473551	0.013016
143	4	2053	2052	1466	1467	0.392331	0.009492
144	4	1467	1466	1486	1487	0.392331	0.009492
145	4	1487	1486	1506	1507	0.473551	0.013016
146	4	1507	1506	1526	1527	0.473551	0.013016
147	4	1527	1526	1546	1547	0.473551	0.013016
148	4	1547	1546	1566	1567	0.473551	0.013016
149	4	1567	1566	1586	1587	0.473551	0.013016
150	4	1587	1586	1606	1607	0.473551	0.013016
151	4	1607	1606	1626	1627	0.473551	0.013016
152	4	1627	1626	1646	1647	0.473551	0.013016
153	4	1647	1646	1666	1667	0.473551	0.013016
154	4	1667	1666	1686	1687	0.473551	0.013016
155	4	1687	1686	1706	1707	0.473551	0.013016
156	4	1707	1706	1726	1727	0.473551	0.013016
157	4	2052	2051	1465	1466	0.367897	0.008156
158	4	1466	1465	1485	1486	0.367897	0.008156
159	4	1486	1485	1505	1506	0.449117	0.011184
160	4	1506	1505	1525	1526	0.449117	0.011184
161	4	1526	1525	1545	1546	0.449117	0.011184
162	4	1546	1545	1565	1566	0.449117	0.011184
163	4	1566	1565	1585	1586	0.449117	0.011184
164	4	1586	1585	1605	1606	0.449117	0.011184
165	4	1606	1605	1625	1626	0.449117	0.011184
166	4	1626	1625	1645	1646	0.449117	0.011184
167	4	1646	1645	1665	1666	0.449117	0.011184
168	4	1666	1665	1685	1686	0.449117	0.011184
169	4	1686	1685	1705	1706	0.449117	0.011184
170	4	1706	1705	1725	1726	0.449117	0.011184
172	4	223	186	990	991	0.449117	0.011184
173	4	10	223	991	224	0.462645	0.012166
174	4	956	10	224	992	0.485313	0.013866
175	4	251	1000	1036	250	0.415370	0.008653
176	4	250	1036	1071	249	0.415370	0.008653
177	4	249	1071	1105	248	0.415370	0.008653
178	4	248	1105	1138	247	0.415370	0.008653
179	4	247	1138	1170	246	0.415370	0.008653
180	4	246	1170	1201	245	0.415370	0.008653
181	4	245	1201	1231	244	0.415370	0.008653
182	4	244	1231	1260	243	0.415370	0.008653
183	4	243	1260	1288	242	0.415370	0.008653
184	4	242	1288	1315	241	0.415370	0.008653
185	4	241	1315	1341	240	0.415370	0.008653
186	4	240	1341	1366	239	0.415370	0.008653
187	4	239	1366	1390	238	0.415370	0.008653
188	4	238	1390	1413	237	0.415370	0.008653
189	4	237	1413	1435	236	0.415370	0.008653
190	4	236	1435	1456	235	0.415370	0.008653
191	4	235	1456	2062	1	0.378382	0.007586
192	4	1000	999	1035	1036	0.473551	0.013016
193	4	1036	1035	1070	1071	0.473551	0.013016
194	4	1071	1070	1104	1105	0.473551	0.013016
195	4	1105	1104	1137	1138	0.473551	0.013016
196	4	1138	1137	1169	1170	0.473551	0.013016
197	4	1170	1169	1200	1201	0.473551	0.013016

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198	4	1201	1200	1230	1231	0.473551	0.013016
199	4	1231	1230	1259	1260	0.473551	0.013016
200	4	1260	1259	1287	1288	0.473551	0.013016
201	4	1288	1287	1314	1315	0.473551	0.013016
202	4	1315	1314	1340	1341	0.473551	0.013016
203	4	1341	1340	1365	1366	0.473551	0.013016
204	4	1366	1365	1389	1390	0.473551	0.013016
205	4	1390	1389	1412	1413	0.473551	0.013016
206	4	1413	1412	1434	1435	0.473551	0.013016
207	4	1435	1434	1455	1456	0.473551	0.013016
208	4	1456	1455	2061	2062	0.436563	0.011412
209	4	999	998	1034	1035	0.473551	0.013016
210	4	1035	1034	1069	1070	0.473551	0.013016
211	4	1070	1069	1103	1104	0.473551	0.013016
212	4	1104	1103	1136	1137	0.473551	0.013016
213	4	1137	1136	1168	1169	0.473551	0.013016
214	4	1169	1168	1199	1200	0.473551	0.013016
215	4	1200	1199	1229	1230	0.473551	0.013016
216	4	1230	1229	1258	1259	0.473551	0.013016
217	4	1259	1258	1286	1287	0.473551	0.013016
218	4	1287	1286	1313	1314	0.473551	0.013016
219	4	1314	1313	1339	1340	0.473551	0.013016
220	4	1340	1339	1364	1365	0.473551	0.013016
221	4	1365	1364	1388	1389	0.473551	0.013016
222	4	1389	1388	1411	1412	0.473551	0.013016
223	4	1412	1411	1433	1434	0.473551	0.013016
224	4	1434	1433	1454	1455	0.473551	0.013016
225	4	1455	1454	2060	2061	0.436563	0.011412
226	4	998	997	1033	1034	0.473551	0.013016
227	4	1034	1033	1068	1069	0.473551	0.013016
228	4	1069	1068	1102	1103	0.473551	0.013016
229	4	1103	1102	1135	1136	0.473551	0.013016
230	4	1136	1135	1167	1168	0.473551	0.013016
231	4	1168	1167	1198	1199	0.473551	0.013016
232	4	1199	1198	1228	1229	0.473551	0.013016
233	4	1229	1228	1257	1258	0.473551	0.013016
234	4	1258	1257	1285	1286	0.473551	0.013016
235	4	1286	1285	1312	1313	0.473551	0.013016
236	4	1313	1312	1338	1339	0.473551	0.013016
237	4	1339	1338	1363	1364	0.473551	0.013016
238	4	1364	1363	1387	1388	0.473551	0.013016
239	4	1388	1387	1410	1411	0.473551	0.013016
240	4	1411	1410	1432	1433	0.473551	0.013016
241	4	1433	1432	1453	1454	0.473551	0.013016
242	4	1454	1453	2059	2060	0.436563	0.011412
243	4	997	996	1032	1033	0.473551	0.013016
244	4	1033	1032	1067	1068	0.473551	0.013016
245	4	1068	1067	1101	1102	0.473551	0.013016
246	4	1102	1101	1134	1135	0.473551	0.013016
247	4	1135	1134	1166	1167	0.473551	0.013016
248	4	1167	1166	1197	1198	0.473551	0.013016
249	4	1198	1197	1227	1228	0.473551	0.013016
250	4	1228	1227	1256	1257	0.473551	0.013016
251	4	1257	1256	1284	1285	0.473551	0.013016
252	4	1285	1284	1311	1312	0.473551	0.013016
253	4	1312	1311	1337	1338	0.473551	0.013016
254	4	1338	1337	1362	1363	0.473551	0.013016
255	4	1363	1362	1386	1387	0.473551	0.013016
256	4	1387	1386	1409	1410	0.473551	0.013016
257	4	1410	1409	1431	1432	0.473551	0.013016
258	4	1432	1431	1452	1453	0.473551	0.013016
259	4	1453	1452	2058	2059	0.436563	0.011412
260	4	996	995	1031	1032	0.473551	0.013016
261	4	1032	1031	1066	1067	0.473551	0.013016
262	4	1067	1066	1100	1101	0.473551	0.013016
263	4	1101	1100	1133	1134	0.473551	0.013016
264	4	1134	1133	1165	1166	0.473551	0.013016
265	4	1166	1165	1196	1197	0.473551	0.013016
266	4	1197	1196	1226	1227	0.473551	0.013016



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267	4	1227	1226	1255	1256	0.473551	0.013016
268	4	1256	1255	1283	1284	0.473551	0.013016
269	4	1284	1283	1310	1311	0.473551	0.013016
270	4	1311	1310	1336	1337	0.473551	0.013016
271	4	1337	1336	1361	1362	0.473551	0.013016
272	4	1362	1361	1385	1386	0.473551	0.013016
273	4	1386	1385	1408	1409	0.473551	0.013016
274	4	1409	1408	1430	1431	0.473551	0.013016
275	4	1431	1430	1451	1452	0.473551	0.013016
276	4	1452	1451	2057	2058	0.436563	0.011412
277	4	995	994	1030	1031	0.473551	0.013016
278	4	1031	1030	1065	1066	0.473551	0.013016
279	4	1066	1065	1099	1100	0.473551	0.013016
280	4	1100	1099	1132	1133	0.473551	0.013016
281	4	1133	1132	1164	1165	0.473551	0.013016
282	4	1165	1164	1195	1196	0.473551	0.013016
283	4	1196	1195	1225	1226	0.473551	0.013016
284	4	1226	1225	1254	1255	0.473551	0.013016
285	4	1255	1254	1282	1283	0.473551	0.013016
286	4	1283	1282	1309	1310	0.473551	0.013016
287	4	1310	1309	1335	1336	0.473551	0.013016
288	4	1336	1335	1360	1361	0.473551	0.013016
289	4	1361	1360	1384	1385	0.473551	0.013016
290	4	1385	1384	1407	1408	0.473551	0.013016
291	4	1408	1407	1429	1430	0.473551	0.013016
292	4	1430	1429	1450	1451	0.473551	0.013016
293	4	1451	1450	2056	2057	0.436563	0.011412
294	4	994	993	1029	1030	0.473551	0.013016
295	4	1030	1029	1064	1065	0.473551	0.013016
296	4	1065	1064	1098	1099	0.473551	0.013016
297	4	1099	1098	1131	1132	0.473551	0.013016
298	4	1132	1131	1163	1164	0.473551	0.013016
299	4	1164	1163	1194	1195	0.473551	0.013016
300	4	1195	1194	1224	1225	0.473551	0.013016
301	4	1225	1224	1253	1254	0.473551	0.013016
302	4	1254	1253	1281	1282	0.473551	0.013016
303	4	1282	1281	1308	1309	0.473551	0.013016
304	4	1309	1308	1334	1335	0.473551	0.013016
305	4	1335	1334	1359	1360	0.473551	0.013016
306	4	1360	1359	1383	1384	0.473551	0.013016
307	4	1384	1383	1406	1407	0.473551	0.013016
308	4	1407	1406	1428	1429	0.473551	0.013016
309	4	1429	1428	1449	1450	0.473551	0.013016
310	4	1450	1449	2055	2056	0.436563	0.011412
311	4	993	992	1028	1029	0.473551	0.013016
312	4	1029	1028	1063	1064	0.473551	0.013016
313	4	1064	1063	1097	1098	0.473551	0.013016
314	4	1098	1097	1130	1131	0.473551	0.013016
315	4	1131	1130	1162	1163	0.473551	0.013016
316	4	1163	1162	1193	1194	0.473551	0.013016
317	4	1194	1193	1223	1224	0.473551	0.013016
318	4	1224	1223	1252	1253	0.473551	0.013016
319	4	1253	1252	1280	1281	0.473551	0.013016
320	4	1281	1280	1307	1308	0.473551	0.013016
321	4	1308	1307	1333	1334	0.473551	0.013016
322	4	1334	1333	1358	1359	0.473551	0.013016
323	4	1359	1358	1382	1383	0.473551	0.013016
324	4	1383	1382	1405	1406	0.473551	0.013016
325	4	1406	1405	1427	1428	0.473551	0.013016
326	4	1428	1427	1448	1449	0.473551	0.013016
327	4	1449	1448	2054	2055	0.436563	0.011412
328	4	992	224	1027	1028	0.473551	0.013016
329	4	1028	1027	1062	1063	0.473551	0.013016
330	4	1063	1062	1096	1097	0.473551	0.013016
331	4	1097	1096	1129	1130	0.473551	0.013016
332	4	1130	1129	1161	1162	0.473551	0.013016
333	4	1162	1161	1192	1193	0.473551	0.013016
334	4	1193	1192	1222	1223	0.473551	0.013016
335	4	1223	1222	1251	1252	0.473551	0.013016

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336	4	1252	1251	1279	1280	0.473551	0.013016
337	4	1280	1279	1306	1307	0.473551	0.013016
338	4	1307	1306	1332	1333	0.473551	0.013016
339	4	1333	1332	1357	1358	0.473551	0.013016
340	4	1358	1357	1381	1382	0.473551	0.013016
341	4	1382	1381	1404	1405	0.473551	0.013016
342	4	1405	1404	1426	1427	0.473551	0.013016
343	4	1427	1426	1447	1448	0.473551	0.013016
344	4	1448	1447	2053	2054	0.436563	0.011412
345	4	224	991	1026	1027	0.473551	0.013016
346	4	1027	1026	1061	1062	0.473551	0.013016
347	4	1062	1061	1095	1096	0.473551	0.013016
348	4	1096	1095	1128	1129	0.473551	0.013016
349	4	1129	1128	1160	1161	0.473551	0.013016
350	4	1161	1160	1191	1192	0.473551	0.013016
351	4	1192	1191	1221	1222	0.473551	0.013016
352	4	1222	1221	1250	1251	0.473551	0.013016
353	4	1251	1250	1278	1279	0.473551	0.013016
354	4	1279	1278	1305	1306	0.473551	0.013016
355	4	1306	1305	1331	1332	0.473551	0.013016
356	4	1332	1331	1356	1357	0.473551	0.013016
357	4	1357	1356	1380	1381	0.473551	0.013016
358	4	1381	1380	1403	1404	0.473551	0.013016
359	4	1404	1403	1425	1426	0.473551	0.013016
360	4	1426	1425	1446	1447	0.473551	0.013016
361	4	1447	1446	2052	2053	0.436563	0.011412
362	4	991	990	1025	1026	0.449117	0.011184
363	4	1026	1025	1060	1061	0.449117	0.011184
364	4	1061	1060	1094	1095	0.449117	0.011184
365	4	1095	1094	1127	1128	0.449117	0.011184
366	4	1128	1127	1159	1160	0.449117	0.011184
367	4	1160	1159	1190	1191	0.449117	0.011184
368	4	1191	1190	1220	1221	0.449117	0.011184
369	4	1221	1220	1249	1250	0.449117	0.011184
370	4	1250	1249	1277	1278	0.449117	0.011184
371	4	1278	1277	1304	1305	0.449117	0.011184
372	4	1305	1304	1330	1331	0.449117	0.011184
373	4	1331	1330	1355	1356	0.449117	0.011184
374	4	1356	1355	1379	1380	0.449117	0.011184
375	4	1380	1379	1402	1403	0.449117	0.011184
376	4	1403	1402	1424	1425	0.449117	0.011184
377	4	1425	1424	1445	1446	0.449117	0.011184
378	4	1446	1445	2051	2052	0.412130	0.009805
419	4	8	190	316	2	0.473551	0.013016
420	4	190	191	315	316	0.473551	0.013016
421	4	191	192	314	315	0.473551	0.013016
422	4	192	189	313	314	0.473551	0.013016
423	4	189	193	312	313	0.473551	0.013016
424	4	193	194	311	312	0.473551	0.013016
425	4	194	195	310	311	0.473551	0.013016
426	4	195	196	309	310	0.473551	0.013016
427	4	196	197	308	309	0.473551	0.013016
428	4	197	198	307	308	0.473551	0.013016
429	4	198	199	306	307	0.473551	0.013016
430	4	199	200	305	306	0.473551	0.013016
431	4	200	201	304	305	0.473551	0.013016
432	4	201	202	303	304	0.473551	0.013016
433	4	202	203	302	303	0.473551	0.013016
434	4	203	204	301	302	0.473551	0.013016
435	4	204	205	300	301	0.473551	0.013016
436	4	205	206	299	300	0.473551	0.013016
437	4	206	207	298	299	0.473551	0.013016
438	4	207	208	297	298	0.473551	0.013016
439	4	208	209	296	297	0.473551	0.013016
440	4	209	210	295	296	0.473551	0.013016
441	4	210	187	293	295	0.481783	0.013634
443	4	187	211	292	293	0.638871	0.025415
444	4	211	212	291	292	0.473551	0.013016
445	4	212	213	290	291	0.473551	0.013016

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

446	4	213	214	289	290	0.473551	0.013016
447	4	214	215	288	289	0.473551	0.013016
448	4	215	216	287	288	0.473551	0.013016
449	4	216	217	286	287	0.473551	0.013016
450	4	217	218	285	286	0.473551	0.013016
451	4	218	219	284	285	0.473551	0.013016
452	4	219	220	283	284	0.473551	0.013016
453	4	220	221	282	283	0.473551	0.013016
454	4	221	222	281	282	0.473551	0.013016
455	4	222	4	271	281	0.452154	0.011412
456	4	4	233	280	271	0.415370	0.008653
457	4	233	232	279	280	0.473551	0.013016
458	4	232	231	278	279	0.473551	0.013016
459	4	231	230	277	278	0.473551	0.013016
460	4	230	229	276	277	0.473551	0.013016
461	4	229	228	275	276	0.473551	0.013016
462	4	228	227	274	275	0.473551	0.013016
463	4	227	226	273	274	0.473551	0.013016
464	4	226	225	272	273	0.473551	0.013016
465	4	225	9	12	272	0.496220	0.014716
466	4	272	12	13	317	0.496220	0.014716
467	4	317	13	15	361	0.496220	0.014716
468	4	361	15	17	404	0.496220	0.014716
469	4	404	17	19	446	0.496220	0.014716
470	4	446	19	21	487	0.496220	0.014716
471	4	487	21	23	527	0.496220	0.014716
472	4	527	23	25	566	0.496220	0.014716
473	4	566	25	27	604	0.496220	0.014716
474	4	604	27	29	641	0.496220	0.014716
475	4	641	29	31	677	0.496220	0.014716
476	4	677	31	33	712	0.496220	0.014716
477	4	712	33	35	746	0.496220	0.014716
478	4	746	35	37	779	0.496220	0.014716
479	4	779	37	39	811	0.496220	0.014716
480	4	811	39	41	842	0.496220	0.014716
481	4	842	41	43	872	0.496220	0.014716
482	4	872	43	45	901	0.496220	0.014716
483	4	901	45	47	929	0.496220	0.014716
484	4	929	47	10	956	0.496220	0.014716
485	4	271	280	325	270	0.415370	0.008653
486	4	270	325	369	269	0.415370	0.008653
487	4	269	369	412	268	0.415370	0.008653
488	4	268	412	454	267	0.415370	0.008653
489	4	267	454	495	266	0.415370	0.008653
490	4	266	495	535	265	0.415370	0.008653
491	4	265	535	574	264	0.415370	0.008653
492	4	264	574	612	263	0.415370	0.008653
493	4	263	612	649	262	0.415370	0.008653
494	4	262	649	685	261	0.415370	0.008653
495	4	261	685	720	260	0.415370	0.008653
496	4	260	720	754	259	0.415370	0.008653
497	4	259	754	787	258	0.415370	0.008653
498	4	258	787	819	257	0.415370	0.008653
499	4	257	819	850	256	0.415370	0.008653
500	4	256	850	880	255	0.415370	0.008653
501	4	255	880	909	254	0.415370	0.008653
502	4	254	909	937	253	0.415370	0.008653
503	4	253	937	964	252	0.415370	0.008653
504	4	252	964	1000	251	0.415370	0.008653
505	4	280	279	324	325	0.473551	0.013016
506	4	325	324	368	369	0.473551	0.013016
507	4	369	368	411	412	0.473551	0.013016
508	4	412	411	453	454	0.473551	0.013016
509	4	454	453	494	495	0.473551	0.013016
510	4	495	494	534	535	0.473551	0.013016
511	4	535	534	573	574	0.473551	0.013016
512	4	574	573	611	612	0.473551	0.013016
513	4	612	611	648	649	0.473551	0.013016
514	4	649	648	684	685	0.473551	0.013016

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

515	4	685	684	719	720	0.473551	0.013016
516	4	720	719	753	754	0.473551	0.013016
517	4	754	753	786	787	0.473551	0.013016
518	4	787	786	818	819	0.473551	0.013016
519	4	819	818	849	850	0.473551	0.013016
520	4	850	849	879	880	0.473551	0.013016
521	4	880	879	908	909	0.473551	0.013016
522	4	909	908	936	937	0.473551	0.013016
523	4	937	936	963	964	0.473551	0.013016
524	4	964	963	999	1000	0.473551	0.013016
525	4	279	278	323	324	0.473551	0.013016
526	4	324	323	367	368	0.473551	0.013016
527	4	368	367	410	411	0.473551	0.013016
528	4	411	410	452	453	0.473551	0.013016
529	4	453	452	493	494	0.473551	0.013016
530	4	494	493	533	534	0.473551	0.013016
531	4	534	533	572	573	0.473551	0.013016
532	4	573	572	610	611	0.473551	0.013016
533	4	611	610	647	648	0.473551	0.013016
534	4	648	647	683	684	0.473551	0.013016
535	4	684	683	718	719	0.473551	0.013016
536	4	719	718	752	753	0.473551	0.013016
537	4	753	752	785	786	0.473551	0.013016
538	4	786	785	817	818	0.473551	0.013016
539	4	818	817	848	849	0.473551	0.013016
540	4	849	848	878	879	0.473551	0.013016
541	4	879	878	907	908	0.473551	0.013016
542	4	908	907	935	936	0.473551	0.013016
543	4	936	935	962	963	0.473551	0.013016
544	4	963	962	998	999	0.473551	0.013016
545	4	278	277	322	323	0.473551	0.013016
546	4	323	322	366	367	0.473551	0.013016
547	4	367	366	409	410	0.473551	0.013016
548	4	410	409	451	452	0.473551	0.013016
549	4	452	451	492	493	0.473551	0.013016
550	4	493	492	532	533	0.473551	0.013016
551	4	533	532	571	572	0.473551	0.013016
552	4	572	571	609	610	0.473551	0.013016
553	4	610	609	646	647	0.473551	0.013016
554	4	647	646	682	683	0.473551	0.013016
555	4	683	682	717	718	0.473551	0.013016
556	4	718	717	751	752	0.473551	0.013016
557	4	752	751	784	785	0.473551	0.013016
558	4	785	784	816	817	0.473551	0.013016
559	4	817	816	847	848	0.473551	0.013016
560	4	848	847	877	878	0.473551	0.013016
561	4	878	877	906	907	0.473551	0.013016
562	4	907	906	934	935	0.473551	0.013016
563	4	935	934	961	962	0.473551	0.013016
564	4	962	961	997	998	0.473551	0.013016
565	4	277	276	321	322	0.473551	0.013016
566	4	322	321	365	366	0.473551	0.013016
567	4	366	365	408	409	0.473551	0.013016
568	4	409	408	450	451	0.473551	0.013016
569	4	451	450	491	492	0.473551	0.013016
570	4	492	491	531	532	0.473551	0.013016
571	4	532	531	570	571	0.473551	0.013016
572	4	571	570	608	609	0.473551	0.013016
573	4	609	608	645	646	0.473551	0.013016
574	4	646	645	681	682	0.473551	0.013016
575	4	682	681	716	717	0.473551	0.013016
576	4	717	716	750	751	0.473551	0.013016
577	4	751	750	783	784	0.473551	0.013016
578	4	784	783	815	816	0.473551	0.013016
579	4	816	815	846	847	0.473551	0.013016
580	4	847	846	876	877	0.473551	0.013016
581	4	877	876	905	906	0.473551	0.013016
582	4	906	905	933	934	0.473551	0.013016
583	4	934	933	960	961	0.473551	0.013016

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

584	4	961	960	996	997	0.473551	0.013016
585	4	276	275	320	321	0.473551	0.013016
586	4	321	320	364	365	0.473551	0.013016
587	4	365	364	407	408	0.473551	0.013016
588	4	408	407	449	450	0.473551	0.013016
589	4	450	449	490	491	0.473551	0.013016
590	4	491	490	530	531	0.473551	0.013016
591	4	531	530	569	570	0.473551	0.013016
592	4	570	569	607	608	0.473551	0.013016
593	4	608	607	644	645	0.473551	0.013016
594	4	645	644	680	681	0.473551	0.013016
595	4	681	680	715	716	0.473551	0.013016
596	4	716	715	749	750	0.473551	0.013016
597	4	750	749	782	783	0.473551	0.013016
598	4	783	782	814	815	0.473551	0.013016
599	4	815	814	845	846	0.473551	0.013016
600	4	846	845	875	876	0.473551	0.013016
601	4	876	875	904	905	0.473551	0.013016
602	4	905	904	932	933	0.473551	0.013016
603	4	933	932	959	960	0.473551	0.013016
604	4	960	959	995	996	0.473551	0.013016
605	4	275	274	319	320	0.473551	0.013016
606	4	320	319	363	364	0.473551	0.013016
607	4	364	363	406	407	0.473551	0.013016
608	4	407	406	448	449	0.473551	0.013016
609	4	449	448	489	490	0.473551	0.013016
610	4	490	489	529	530	0.473551	0.013016
611	4	530	529	568	569	0.473551	0.013016
612	4	569	568	606	607	0.473551	0.013016
613	4	607	606	643	644	0.473551	0.013016
614	4	644	643	679	680	0.473551	0.013016
615	4	680	679	714	715	0.473551	0.013016
616	4	715	714	748	749	0.473551	0.013016
617	4	749	748	781	782	0.473551	0.013016
618	4	782	781	813	814	0.473551	0.013016
619	4	814	813	844	845	0.473551	0.013016
620	4	845	844	874	875	0.473551	0.013016
621	4	875	874	903	904	0.473551	0.013016
622	4	904	903	931	932	0.473551	0.013016
623	4	932	931	958	959	0.473551	0.013016
624	4	959	958	994	995	0.473551	0.013016
625	4	274	273	318	319	0.473551	0.013016
626	4	319	318	362	363	0.473551	0.013016
627	4	363	362	405	406	0.473551	0.013016
628	4	406	405	447	448	0.473551	0.013016
629	4	448	447	488	489	0.473551	0.013016
630	4	489	488	528	529	0.473551	0.013016
631	4	529	528	567	568	0.473551	0.013016
632	4	568	567	605	606	0.473551	0.013016
633	4	606	605	642	643	0.473551	0.013016
634	4	643	642	678	679	0.473551	0.013016
635	4	679	678	713	714	0.473551	0.013016
636	4	714	713	747	748	0.473551	0.013016
637	4	748	747	780	781	0.473551	0.013016
638	4	781	780	812	813	0.473551	0.013016
639	4	813	812	843	844	0.473551	0.013016
640	4	844	843	873	874	0.473551	0.013016
641	4	874	873	902	903	0.473551	0.013016
642	4	903	902	930	931	0.473551	0.013016
643	4	931	930	957	958	0.473551	0.013016
644	4	958	957	993	994	0.473551	0.013016
645	4	273	272	317	318	0.473551	0.013016
646	4	318	317	361	362	0.473551	0.013016
647	4	362	361	404	405	0.473551	0.013016
648	4	405	404	446	447	0.473551	0.013016
649	4	447	446	487	488	0.473551	0.013016
650	4	488	487	527	528	0.473551	0.013016
651	4	528	527	566	567	0.473551	0.013016
652	4	567	566	604	605	0.473551	0.013016

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653	4	605	604	641	642	0.473551	0.013016
654	4	642	641	677	678	0.473551	0.013016
655	4	678	677	712	713	0.473551	0.013016
656	4	713	712	746	747	0.473551	0.013016
657	4	747	746	779	780	0.473551	0.013016
658	4	780	779	811	812	0.473551	0.013016
659	4	812	811	842	843	0.473551	0.013016
660	4	843	842	872	873	0.473551	0.013016
661	4	873	872	901	902	0.473551	0.013016
662	4	902	901	929	930	0.473551	0.013016
663	4	930	929	956	957	0.473551	0.013016
664	4	957	956	992	993	0.473551	0.013016
665	4	316	315	360	14	0.473551	0.013016
666	4	315	314	359	360	0.473551	0.013016
667	4	314	313	358	359	0.473551	0.013016
668	4	313	312	357	358	0.473551	0.013016
669	4	312	311	356	357	0.473551	0.013016
670	4	311	310	355	356	0.473551	0.013016
671	4	310	309	354	355	0.473551	0.013016
672	4	309	308	353	354	0.473551	0.013016
673	4	308	307	352	353	0.473551	0.013016
674	4	307	306	351	352	0.473551	0.013016
675	4	306	305	350	351	0.473551	0.013016
676	4	305	304	349	350	0.473551	0.013016
677	4	304	303	348	349	0.473551	0.013016
678	4	303	302	347	348	0.473551	0.013016
679	4	302	301	346	347	0.473551	0.013016
680	4	301	300	345	346	0.473551	0.013016
681	4	300	299	344	345	0.473551	0.013016
682	4	299	298	343	344	0.473551	0.013016
683	4	298	297	342	343	0.473551	0.013016
684	4	297	296	341	342	0.473551	0.013016
685	4	296	295	340	341	0.473551	0.013016
686	4	295	293	338	340	0.481783	0.013634
688	4	293	292	337	338	0.638871	0.025415
689	4	292	291	336	337	0.473551	0.013016
690	4	291	290	335	336	0.473551	0.013016
691	4	290	289	334	335	0.473551	0.013016
692	4	289	288	333	334	0.473551	0.013016
693	4	288	287	332	333	0.473551	0.013016
694	4	287	286	331	332	0.473551	0.013016
695	4	286	285	330	331	0.473551	0.013016
696	4	285	284	329	330	0.473551	0.013016
697	4	284	283	328	329	0.473551	0.013016
698	4	283	282	327	328	0.473551	0.013016
699	4	282	281	326	327	0.473551	0.013016
700	4	281	271	270	326	0.452154	0.011412
701	4	360	359	403	16	0.473551	0.013016
702	4	359	358	402	403	0.473551	0.013016
703	4	358	357	401	402	0.473551	0.013016
704	4	357	356	400	401	0.473551	0.013016
705	4	356	355	399	400	0.473551	0.013016
706	4	355	354	398	399	0.473551	0.013016
707	4	354	353	397	398	0.473551	0.013016
708	4	353	352	396	397	0.473551	0.013016
709	4	352	351	395	396	0.473551	0.013016
710	4	351	350	394	395	0.473551	0.013016
711	4	350	349	393	394	0.473551	0.013016
712	4	349	348	392	393	0.473551	0.013016
713	4	348	347	391	392	0.473551	0.013016
714	4	347	346	390	391	0.473551	0.013016
715	4	346	345	389	390	0.473551	0.013016
716	4	345	344	388	389	0.473551	0.013016
717	4	344	343	387	388	0.473551	0.013016
718	4	343	342	386	387	0.473551	0.013016
719	4	342	341	385	386	0.473551	0.013016
720	4	341	340	384	385	0.473551	0.013016
721	4	340	338	382	384	0.481783	0.013634
723	4	338	337	381	382	0.638871	0.025415

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724	4	337	336	380	381	0.473551	0.013016
725	4	336	335	379	380	0.473551	0.013016
726	4	335	334	378	379	0.473551	0.013016
727	4	334	333	377	378	0.473551	0.013016
728	4	333	332	376	377	0.473551	0.013016
729	4	332	331	375	376	0.473551	0.013016
730	4	331	330	374	375	0.473551	0.013016
731	4	330	329	373	374	0.473551	0.013016
732	4	329	328	372	373	0.473551	0.013016
733	4	328	327	371	372	0.473551	0.013016
734	4	327	326	370	371	0.473551	0.013016
735	4	326	270	269	370	0.452154	0.011412
736	4	403	402	445	18	0.473551	0.013016
737	4	402	401	444	445	0.473551	0.013016
738	4	401	400	443	444	0.473551	0.013016
739	4	400	399	442	443	0.473551	0.013016
740	4	399	398	441	442	0.473551	0.013016
741	4	398	397	440	441	0.473551	0.013016
742	4	397	396	439	440	0.473551	0.013016
743	4	396	395	438	439	0.473551	0.013016
744	4	395	394	437	438	0.473551	0.013016
745	4	394	393	436	437	0.473551	0.013016
746	4	393	392	435	436	0.473551	0.013016
747	4	392	391	434	435	0.473551	0.013016
748	4	391	390	433	434	0.473551	0.013016
749	4	390	389	432	433	0.473551	0.013016
750	4	389	388	431	432	0.473551	0.013016
751	4	388	387	430	431	0.473551	0.013016
752	4	387	386	429	430	0.473551	0.013016
753	4	386	385	428	429	0.473551	0.013016
754	4	385	384	427	428	0.473551	0.013016
755	4	384	382	425	427	0.481783	0.013634
757	4	382	381	424	425	0.638871	0.025415
758	4	381	380	423	424	0.473551	0.013016
759	4	380	379	422	423	0.473551	0.013016
760	4	379	378	421	422	0.473551	0.013016
761	4	378	377	420	421	0.473551	0.013016
762	4	377	376	419	420	0.473551	0.013016
763	4	376	375	418	419	0.473551	0.013016
764	4	375	374	417	418	0.473551	0.013016
765	4	374	373	416	417	0.473551	0.013016
766	4	373	372	415	416	0.473551	0.013016
767	4	372	371	414	415	0.473551	0.013016
768	4	371	370	413	414	0.473551	0.013016
769	4	370	269	268	413	0.452154	0.011412
770	4	445	444	486	20	0.473551	0.013016
771	4	444	443	485	486	0.473551	0.013016
772	4	443	442	484	485	0.473551	0.013016
773	4	442	441	483	484	0.473551	0.013016
774	4	441	440	482	483	0.473551	0.013016
775	4	440	439	481	482	0.473551	0.013016
776	4	439	438	480	481	0.473551	0.013016
777	4	438	437	479	480	0.473551	0.013016
778	4	437	436	478	479	0.473551	0.013016
779	4	436	435	477	478	0.473551	0.013016
780	4	435	434	476	477	0.473551	0.013016
781	4	434	433	475	476	0.473551	0.013016
782	4	433	432	474	475	0.473551	0.013016
783	4	432	431	473	474	0.473551	0.013016
784	4	431	430	472	473	0.473551	0.013016
785	4	430	429	471	472	0.473551	0.013016
786	4	429	428	470	471	0.473551	0.013016
787	4	428	427	469	470	0.473551	0.013016
788	4	427	425	467	469	0.481783	0.013634
790	4	425	424	466	467	0.638871	0.025415
791	4	424	423	465	466	0.473551	0.013016
792	4	423	422	464	465	0.473551	0.013016
793	4	422	421	463	464	0.473551	0.013016
794	4	421	420	462	463	0.473551	0.013016

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795	4	420	419	461	462	0.473551	0.013016
796	4	419	418	460	461	0.473551	0.013016
797	4	418	417	459	460	0.473551	0.013016
798	4	417	416	458	459	0.473551	0.013016
799	4	416	415	457	458	0.473551	0.013016
800	4	415	414	456	457	0.473551	0.013016
801	4	414	413	455	456	0.473551	0.013016
802	4	413	268	267	455	0.452154	0.011412
803	4	486	485	526	22	0.473551	0.013016
804	4	485	484	525	526	0.473551	0.013016
805	4	484	483	524	525	0.473551	0.013016
806	4	483	482	523	524	0.473551	0.013016
807	4	482	481	522	523	0.473551	0.013016
808	4	481	480	521	522	0.473551	0.013016
809	4	480	479	520	521	0.473551	0.013016
810	4	479	478	519	520	0.473551	0.013016
811	4	478	477	518	519	0.473551	0.013016
812	4	477	476	517	518	0.473551	0.013016
813	4	476	475	516	517	0.473551	0.013016
814	4	475	474	515	516	0.473551	0.013016
815	4	474	473	514	515	0.473551	0.013016
816	4	473	472	513	514	0.473551	0.013016
817	4	472	471	512	513	0.473551	0.013016
818	4	471	470	511	512	0.473551	0.013016
819	4	470	469	510	511	0.473551	0.013016
820	4	469	467	508	510	0.481783	0.013634
822	4	467	466	507	508	0.638871	0.025415
823	4	466	465	506	507	0.473551	0.013016
824	4	465	464	505	506	0.473551	0.013016
825	4	464	463	504	505	0.473551	0.013016
826	4	463	462	503	504	0.473551	0.013016
827	4	462	461	502	503	0.473551	0.013016
828	4	461	460	501	502	0.473551	0.013016
829	4	460	459	500	501	0.473551	0.013016
830	4	459	458	499	500	0.473551	0.013016
831	4	458	457	498	499	0.473551	0.013016
832	4	457	456	497	498	0.473551	0.013016
833	4	456	455	496	497	0.473551	0.013016
834	4	455	267	266	496	0.452154	0.011412
835	4	526	525	565	24	0.473551	0.013016
836	4	525	524	564	565	0.473551	0.013016
837	4	524	523	563	564	0.473551	0.013016
838	4	523	522	562	563	0.473551	0.013016
839	4	522	521	561	562	0.473551	0.013016
840	4	521	520	560	561	0.473551	0.013016
841	4	520	519	559	560	0.473551	0.013016
842	4	519	518	558	559	0.473551	0.013016
843	4	518	517	557	558	0.473551	0.013016
844	4	517	516	556	557	0.473551	0.013016
845	4	516	515	555	556	0.473551	0.013016
846	4	515	514	554	555	0.473551	0.013016
847	4	514	513	553	554	0.473551	0.013016
848	4	513	512	552	553	0.473551	0.013016
849	4	512	511	551	552	0.473551	0.013016
850	4	511	510	550	551	0.473551	0.013016
851	4	510	508	548	550	0.481783	0.013634
853	4	508	507	547	548	0.638871	0.025415
854	4	507	506	546	547	0.473551	0.013016
855	4	506	505	545	546	0.473551	0.013016
856	4	505	504	544	545	0.473551	0.013016
857	4	504	503	543	544	0.473551	0.013016
858	4	503	502	542	543	0.473551	0.013016
859	4	502	501	541	542	0.473551	0.013016
860	4	501	500	540	541	0.473551	0.013016
861	4	500	499	539	540	0.473551	0.013016
862	4	499	498	538	539	0.473551	0.013016
863	4	498	497	537	538	0.473551	0.013016
864	4	497	496	536	537	0.473551	0.013016
865	4	496	266	265	536	0.452154	0.011412



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

866	4	565	564	603	26	0.473551	0.013016
867	4	564	563	602	603	0.473551	0.013016
868	4	563	562	601	602	0.473551	0.013016
869	4	562	561	600	601	0.473551	0.013016
870	4	561	560	599	600	0.473551	0.013016
871	4	560	559	598	599	0.473551	0.013016
872	4	559	558	597	598	0.473551	0.013016
873	4	558	557	596	597	0.473551	0.013016
874	4	557	556	595	596	0.473551	0.013016
875	4	556	555	594	595	0.473551	0.013016
876	4	555	554	593	594	0.473551	0.013016
877	4	554	553	592	593	0.473551	0.013016
878	4	553	552	591	592	0.473551	0.013016
879	4	552	551	590	591	0.473551	0.013016
880	4	551	550	589	590	0.473551	0.013016
881	4	550	548	587	589	0.481783	0.013634
883	4	548	547	586	587	0.638871	0.025415
884	4	547	546	585	586	0.473551	0.013016
885	4	546	545	584	585	0.473551	0.013016
886	4	545	544	583	584	0.473551	0.013016
887	4	544	543	582	583	0.473551	0.013016
888	4	543	542	581	582	0.473551	0.013016
889	4	542	541	580	581	0.473551	0.013016
890	4	541	540	579	580	0.473551	0.013016
891	4	540	539	578	579	0.473551	0.013016
892	4	539	538	577	578	0.473551	0.013016
893	4	538	537	576	577	0.473551	0.013016
894	4	537	536	575	576	0.473551	0.013016
895	4	536	265	264	575	0.452154	0.011412
896	4	603	602	640	28	0.473551	0.013016
897	4	602	601	639	640	0.473551	0.013016
898	4	601	600	638	639	0.473551	0.013016
899	4	600	599	637	638	0.473551	0.013016
900	4	599	598	636	637	0.473551	0.013016
901	4	598	597	635	636	0.473551	0.013016
902	4	597	596	634	635	0.473551	0.013016
903	4	596	595	633	634	0.473551	0.013016
904	4	595	594	632	633	0.473551	0.013016
905	4	594	593	631	632	0.473551	0.013016
906	4	593	592	630	631	0.473551	0.013016
907	4	592	591	629	630	0.473551	0.013016
908	4	591	590	628	629	0.473551	0.013016
909	4	590	589	627	628	0.473551	0.013016
910	4	589	587	625	627	0.481783	0.013634
912	4	587	586	624	625	0.638871	0.025415
913	4	586	585	623	624	0.473551	0.013016
914	4	585	584	622	623	0.473551	0.013016
915	4	584	583	621	622	0.473551	0.013016
916	4	583	582	620	621	0.473551	0.013016
917	4	582	581	619	620	0.473551	0.013016
918	4	581	580	618	619	0.473551	0.013016
919	4	580	579	617	618	0.473551	0.013016
920	4	579	578	616	617	0.473551	0.013016
921	4	578	577	615	616	0.473551	0.013016
922	4	577	576	614	615	0.473551	0.013016
923	4	576	575	613	614	0.473551	0.013016
924	4	575	264	263	613	0.452154	0.011412
925	4	640	639	676	30	0.473551	0.013016
926	4	639	638	675	676	0.473551	0.013016
927	4	638	637	674	675	0.473551	0.013016
928	4	637	636	673	674	0.473551	0.013016
929	4	636	635	672	673	0.473551	0.013016
930	4	635	634	671	672	0.473551	0.013016
931	4	634	633	670	671	0.473551	0.013016
932	4	633	632	669	670	0.473551	0.013016
933	4	632	631	668	669	0.473551	0.013016
934	4	631	630	667	668	0.473551	0.013016
935	4	630	629	666	667	0.473551	0.013016
936	4	629	628	665	666	0.473551	0.013016

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937	4	628	627	664	665	0.473551	0.013016
938	4	627	625	662	664	0.481783	0.013634
940	4	625	624	661	662	0.638871	0.025415
941	4	624	623	660	661	0.473551	0.013016
942	4	623	622	659	660	0.473551	0.013016
943	4	622	621	658	659	0.473551	0.013016
944	4	621	620	657	658	0.473551	0.013016
945	4	620	619	656	657	0.473551	0.013016
946	4	619	618	655	656	0.473551	0.013016
947	4	618	617	654	655	0.473551	0.013016
948	4	617	616	653	654	0.473551	0.013016
949	4	616	615	652	653	0.473551	0.013016
950	4	615	614	651	652	0.473551	0.013016
951	4	614	613	650	651	0.473551	0.013016
952	4	613	263	262	650	0.452154	0.011412
953	4	676	675	711	32	0.473551	0.013016
954	4	675	674	710	711	0.473551	0.013016
955	4	674	673	709	710	0.473551	0.013016
956	4	673	672	708	709	0.473551	0.013016
957	4	672	671	707	708	0.473551	0.013016
958	4	671	670	706	707	0.473551	0.013016
959	4	670	669	705	706	0.473551	0.013016
960	4	669	668	704	705	0.473551	0.013016
961	4	668	667	703	704	0.473551	0.013016
962	4	667	666	702	703	0.473551	0.013016
963	4	666	665	701	702	0.473551	0.013016
964	4	665	664	700	701	0.473551	0.013016
965	4	664	662	698	700	0.481783	0.013634
967	4	662	661	697	698	0.638871	0.025415
968	4	661	660	696	697	0.473551	0.013016
969	4	660	659	695	696	0.473551	0.013016
970	4	659	658	694	695	0.473551	0.013016
971	4	658	657	693	694	0.473551	0.013016
972	4	657	656	692	693	0.473551	0.013016
973	4	656	655	691	692	0.473551	0.013016
974	4	655	654	690	691	0.473551	0.013016
975	4	654	653	689	690	0.473551	0.013016
976	4	653	652	688	689	0.473551	0.013016
977	4	652	651	687	688	0.473551	0.013016
978	4	651	650	686	687	0.473551	0.013016
979	4	650	262	261	686	0.452154	0.011412
980	4	711	710	745	34	0.473551	0.013016
981	4	710	709	744	745	0.473551	0.013016
982	4	709	708	743	744	0.473551	0.013016
983	4	708	707	742	743	0.473551	0.013016
984	4	707	706	741	742	0.473551	0.013016
985	4	706	705	740	741	0.473551	0.013016
986	4	705	704	739	740	0.473551	0.013016
987	4	704	703	738	739	0.473551	0.013016
988	4	703	702	737	738	0.473551	0.013016
989	4	702	701	736	737	0.473551	0.013016
990	4	701	700	735	736	0.473551	0.013016
991	4	700	698	733	735	0.481783	0.013634
993	4	698	697	732	733	0.638871	0.025415
994	4	697	696	731	732	0.473551	0.013016
995	4	696	695	730	731	0.473551	0.013016
996	4	695	694	729	730	0.473551	0.013016
997	4	694	693	728	729	0.473551	0.013016
998	4	693	692	727	728	0.473551	0.013016
999	4	692	691	726	727	0.473551	0.013016
1000	4	691	690	725	726	0.473551	0.013016
1001	4	690	689	724	725	0.473551	0.013016
1002	4	689	688	723	724	0.473551	0.013016
1003	4	688	687	722	723	0.473551	0.013016
1004	4	687	686	721	722	0.473551	0.013016
1005	4	686	261	260	721	0.452154	0.011412
1006	4	745	744	778	36	0.473551	0.013016
1007	4	744	743	777	778	0.473551	0.013016
1008	4	743	742	776	777	0.473551	0.013016

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1009	4	742	741	775	776	0.473551	0.013016
1010	4	741	740	774	775	0.473551	0.013016
1011	4	740	739	773	774	0.473551	0.013016
1012	4	739	738	772	773	0.473551	0.013016
1013	4	738	737	771	772	0.473551	0.013016
1014	4	737	736	770	771	0.473551	0.013016
1015	4	736	735	769	770	0.473551	0.013016
1016	4	735	733	767	769	0.481783	0.013634
1018	4	733	732	766	767	0.638871	0.025415
1019	4	732	731	765	766	0.473551	0.013016
1020	4	731	730	764	765	0.473551	0.013016
1021	4	730	729	763	764	0.473551	0.013016
1022	4	729	728	762	763	0.473551	0.013016
1023	4	728	727	761	762	0.473551	0.013016
1024	4	727	726	760	761	0.473551	0.013016
1025	4	726	725	759	760	0.473551	0.013016
1026	4	725	724	758	759	0.473551	0.013016
1027	4	724	723	757	758	0.473551	0.013016
1028	4	723	722	756	757	0.473551	0.013016
1029	4	722	721	755	756	0.473551	0.013016
1030	4	721	260	259	755	0.452154	0.011412
1031	4	778	777	810	38	0.473551	0.013016
1032	4	777	776	809	810	0.473551	0.013016
1033	4	776	775	808	809	0.473551	0.013016
1034	4	775	774	807	808	0.473551	0.013016
1035	4	774	773	806	807	0.473551	0.013016
1036	4	773	772	805	806	0.473551	0.013016
1037	4	772	771	804	805	0.473551	0.013016
1038	4	771	770	803	804	0.473551	0.013016
1039	4	770	769	802	803	0.473551	0.013016
1040	4	769	767	800	802	0.481783	0.013634
1042	4	767	766	799	800	0.638871	0.025415
1043	4	766	765	798	799	0.473551	0.013016
1044	4	765	764	797	798	0.473551	0.013016
1045	4	764	763	796	797	0.473551	0.013016
1046	4	763	762	795	796	0.473551	0.013016
1047	4	762	761	794	795	0.473551	0.013016
1048	4	761	760	793	794	0.473551	0.013016
1049	4	760	759	792	793	0.473551	0.013016
1050	4	759	758	791	792	0.473551	0.013016
1051	4	758	757	790	791	0.473551	0.013016
1052	4	757	756	789	790	0.473551	0.013016
1053	4	756	755	788	789	0.473551	0.013016
1054	4	755	259	258	788	0.452154	0.011412
1055	4	810	809	841	40	0.473551	0.013016
1056	4	809	808	840	841	0.473551	0.013016
1057	4	808	807	839	840	0.473551	0.013016
1058	4	807	806	838	839	0.473551	0.013016
1059	4	806	805	837	838	0.473551	0.013016
1060	4	805	804	836	837	0.473551	0.013016
1061	4	804	803	835	836	0.473551	0.013016
1062	4	803	802	834	835	0.473551	0.013016
1063	4	802	800	832	834	0.481783	0.013634
1065	4	800	799	831	832	0.638871	0.025415
1066	4	799	798	830	831	0.473551	0.013016
1067	4	798	797	829	830	0.473551	0.013016
1068	4	797	796	828	829	0.473551	0.013016
1069	4	796	795	827	828	0.473551	0.013016
1070	4	795	794	826	827	0.473551	0.013016
1071	4	794	793	825	826	0.473551	0.013016
1072	4	793	792	824	825	0.473551	0.013016
1073	4	792	791	823	824	0.473551	0.013016
1074	4	791	790	822	823	0.473551	0.013016
1075	4	790	789	821	822	0.473551	0.013016
1076	4	789	788	820	821	0.473551	0.013016
1077	4	788	258	257	820	0.452154	0.011412
1078	4	841	840	871	42	0.473551	0.013016
1079	4	840	839	870	871	0.473551	0.013016
1080	4	839	838	869	870	0.473551	0.013016

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1081	4	838	837	868	869	0.473551	0.013016
1082	4	837	836	867	868	0.473551	0.013016
1083	4	836	835	866	867	0.473551	0.013016
1084	4	835	834	865	866	0.473551	0.013016
1085	4	834	832	863	865	0.481783	0.013634
1087	4	832	831	862	863	0.638871	0.025415
1088	4	831	830	861	862	0.473551	0.013016
1089	4	830	829	860	861	0.473551	0.013016
1090	4	829	828	859	860	0.473551	0.013016
1091	4	828	827	858	859	0.473551	0.013016
1092	4	827	826	857	858	0.473551	0.013016
1093	4	826	825	856	857	0.473551	0.013016
1094	4	825	824	855	856	0.473551	0.013016
1095	4	824	823	854	855	0.473551	0.013016
1096	4	823	822	853	854	0.473551	0.013016
1097	4	822	821	852	853	0.473551	0.013016
1098	4	821	820	851	852	0.473551	0.013016
1099	4	820	257	256	851	0.452154	0.011412
1100	4	871	870	900	44	0.473551	0.013016
1101	4	870	869	899	900	0.473551	0.013016
1102	4	869	868	898	899	0.473551	0.013016
1103	4	868	867	897	898	0.473551	0.013016
1104	4	867	866	896	897	0.473551	0.013016
1105	4	866	865	895	896	0.473551	0.013016
1106	4	865	863	893	895	0.481783	0.013634
1108	4	863	862	892	893	0.638871	0.025415
1109	4	862	861	891	892	0.473551	0.013016
1110	4	861	860	890	891	0.473551	0.013016
1111	4	860	859	889	890	0.473551	0.013016
1112	4	859	858	888	889	0.473551	0.013016
1113	4	858	857	887	888	0.473551	0.013016
1114	4	857	856	886	887	0.473551	0.013016
1115	4	856	855	885	886	0.473551	0.013016
1116	4	855	854	884	885	0.473551	0.013016
1117	4	854	853	883	884	0.473551	0.013016
1118	4	853	852	882	883	0.473551	0.013016
1119	4	852	851	881	882	0.473551	0.013016
1120	4	851	256	255	881	0.452154	0.011412
1121	4	900	899	928	46	0.473551	0.013016
1122	4	899	898	927	928	0.473551	0.013016
1123	4	898	897	926	927	0.473551	0.013016
1124	4	897	896	925	926	0.473551	0.013016
1125	4	896	895	924	925	0.473551	0.013016
1126	4	895	893	922	924	0.481783	0.013634
1128	4	893	892	921	922	0.638871	0.025415
1129	4	892	891	920	921	0.473551	0.013016
1130	4	891	890	919	920	0.473551	0.013016
1131	4	890	889	918	919	0.473551	0.013016
1132	4	889	888	917	918	0.473551	0.013016
1133	4	888	887	916	917	0.473551	0.013016
1134	4	887	886	915	916	0.473551	0.013016
1135	4	886	885	914	915	0.473551	0.013016
1136	4	885	884	913	914	0.473551	0.013016
1137	4	884	883	912	913	0.473551	0.013016
1138	4	883	882	911	912	0.473551	0.013016
1139	4	882	881	910	911	0.473551	0.013016
1140	4	881	255	254	910	0.452154	0.011412
1141	4	928	927	955	48	0.473551	0.013016
1142	4	927	926	954	955	0.473551	0.013016
1143	4	926	925	953	954	0.473551	0.013016
1144	4	925	924	952	953	0.473551	0.013016
1145	4	924	922	950	952	0.481783	0.013634
1147	4	922	921	949	950	0.638871	0.025415
1148	4	921	920	948	949	0.473551	0.013016
1149	4	920	919	947	948	0.473551	0.013016
1150	4	919	918	946	947	0.473551	0.013016
1151	4	918	917	945	946	0.473551	0.013016
1152	4	917	916	944	945	0.473551	0.013016
1153	4	916	915	943	944	0.473551	0.013016

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1154	4	915	914	942	943	0.473551	0.013016
1155	4	914	913	941	942	0.473551	0.013016
1156	4	913	912	940	941	0.473551	0.013016
1157	4	912	911	939	940	0.473551	0.013016
1158	4	911	910	938	939	0.473551	0.013016
1159	4	910	254	253	938	0.452154	0.011412
1160	4	955	954	981	49	0.473551	0.013016
1161	4	954	953	980	981	0.473551	0.013016
1162	4	953	952	979	980	0.473551	0.013016
1163	4	952	950	977	979	0.481783	0.013634
1165	4	950	949	976	977	0.638871	0.025415
1166	4	949	948	975	976	0.473551	0.013016
1167	4	948	947	974	975	0.473551	0.013016
1168	4	947	946	973	974	0.473551	0.013016
1169	4	946	945	972	973	0.473551	0.013016
1170	4	945	944	971	972	0.473551	0.013016
1171	4	944	943	970	971	0.473551	0.013016
1172	4	943	942	969	970	0.473551	0.013016
1173	4	942	941	968	969	0.473551	0.013016
1174	4	941	940	967	968	0.473551	0.013016
1175	4	940	939	966	967	0.473551	0.013016
1176	4	939	938	965	966	0.473551	0.013016
1177	4	938	253	252	965	0.452154	0.011412
1178	4	981	980	1016	51	0.473551	0.013016
1179	4	980	979	1015	1016	0.473551	0.013016
1180	4	979	977	1013	1015	0.481783	0.013634
1182	4	977	976	1012	1013	0.638871	0.025415
1183	4	976	975	1011	1012	0.473551	0.013016
1184	4	975	974	1010	1011	0.473551	0.013016
1185	4	974	973	1009	1010	0.473551	0.013016
1186	4	973	972	1008	1009	0.473551	0.013016
1187	4	972	971	1007	1008	0.473551	0.013016
1188	4	971	970	1006	1007	0.473551	0.013016
1189	4	970	969	1005	1006	0.473551	0.013016
1190	4	969	968	1004	1005	0.473551	0.013016
1191	4	968	967	1003	1004	0.473551	0.013016
1192	4	967	966	1002	1003	0.473551	0.013016
1193	4	966	965	1001	1002	0.473551	0.013016
1194	4	965	252	251	1001	0.452154	0.011412
1195	4	1016	1015	1051	53	0.473551	0.013016
1196	4	1015	1013	1049	1051	0.481783	0.013634
1198	4	1013	1012	1048	1049	0.638871	0.025415
1199	4	1012	1011	1047	1048	0.473551	0.013016
1200	4	1011	1010	1046	1047	0.473551	0.013016
1201	4	1010	1009	1045	1046	0.473551	0.013016
1202	4	1009	1008	1044	1045	0.473551	0.013016
1203	4	1008	1007	1043	1044	0.473551	0.013016
1204	4	1007	1006	1042	1043	0.473551	0.013016
1205	4	1006	1005	1041	1042	0.473551	0.013016
1206	4	1005	1004	1040	1041	0.473551	0.013016
1207	4	1004	1003	1039	1040	0.473551	0.013016
1208	4	1003	1002	1038	1039	0.473551	0.013016
1209	4	1002	1001	1037	1038	0.473551	0.013016
1210	4	1001	251	250	1037	0.452154	0.011412
1211	4	1051	1049	1084	55	0.481783	0.013634
1213	4	1049	1048	1083	1084	0.638871	0.025415
1214	4	1048	1047	1082	1083	0.473551	0.013016
1215	4	1047	1046	1081	1082	0.473551	0.013016
1216	4	1046	1045	1080	1081	0.473551	0.013016
1217	4	1045	1044	1079	1080	0.473551	0.013016
1218	4	1044	1043	1078	1079	0.473551	0.013016
1219	4	1043	1042	1077	1078	0.473551	0.013016
1220	4	1042	1041	1076	1077	0.473551	0.013016
1221	4	1041	1040	1075	1076	0.473551	0.013016
1222	4	1040	1039	1074	1075	0.473551	0.013016
1223	4	1039	1038	1073	1074	0.473551	0.013016
1224	4	1038	1037	1072	1073	0.473551	0.013016
1225	4	1037	250	249	1072	0.452154	0.011412
1227	4	1084	1083	1117	57	0.643043	0.025724

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1228	4	1083	1082	1116	1117	0.473551	0.013016
1229	4	1082	1081	1115	1116	0.473551	0.013016
1230	4	1081	1080	1114	1115	0.473551	0.013016
1231	4	1080	1079	1113	1114	0.473551	0.013016
1232	4	1079	1078	1112	1113	0.473551	0.013016
1233	4	1078	1077	1111	1112	0.473551	0.013016
1234	4	1077	1076	1110	1111	0.473551	0.013016
1235	4	1076	1075	1109	1110	0.473551	0.013016
1236	4	1075	1074	1108	1109	0.473551	0.013016
1237	4	1074	1073	1107	1108	0.473551	0.013016
1238	4	1073	1072	1106	1107	0.473551	0.013016
1239	4	1072	249	248	1106	0.452154	0.011412
1240	4	57	1117	1150	59	0.568767	0.017970
1241	4	1117	1116	1149	1150	0.473551	0.013016
1242	4	1116	1115	1148	1149	0.473551	0.013016
1243	4	1115	1114	1147	1148	0.473551	0.013016
1244	4	1114	1113	1146	1147	0.473551	0.013016
1245	4	1113	1112	1145	1146	0.473551	0.013016
1246	4	1112	1111	1144	1145	0.473551	0.013016
1247	4	1111	1110	1143	1144	0.473551	0.013016
1248	4	1110	1109	1142	1143	0.473551	0.013016
1249	4	1109	1108	1141	1142	0.473551	0.013016
1250	4	1108	1107	1140	1141	0.473551	0.013016
1251	4	1107	1106	1139	1140	0.473551	0.013016
1252	4	1106	248	247	1139	0.452154	0.011412
1253	4	1150	1149	1181	61	0.473551	0.013016
1254	4	1149	1148	1180	1181	0.473551	0.013016
1255	4	1148	1147	1179	1180	0.473551	0.013016
1256	4	1147	1146	1178	1179	0.473551	0.013016
1257	4	1146	1145	1177	1178	0.473551	0.013016
1258	4	1145	1144	1176	1177	0.473551	0.013016
1259	4	1144	1143	1175	1176	0.473551	0.013016
1260	4	1143	1142	1174	1175	0.473551	0.013016
1261	4	1142	1141	1173	1174	0.473551	0.013016
1262	4	1141	1140	1172	1173	0.473551	0.013016
1263	4	1140	1139	1171	1172	0.473551	0.013016
1264	4	1139	247	246	1171	0.452154	0.011412
1265	4	1181	1180	1211	63	0.473551	0.013016
1266	4	1180	1179	1210	1211	0.473551	0.013016
1267	4	1179	1178	1209	1210	0.473551	0.013016
1268	4	1178	1177	1208	1209	0.473551	0.013016
1269	4	1177	1176	1207	1208	0.473551	0.013016
1270	4	1176	1175	1206	1207	0.473551	0.013016
1271	4	1175	1174	1205	1206	0.473551	0.013016
1272	4	1174	1173	1204	1205	0.473551	0.013016
1273	4	1173	1172	1203	1204	0.473551	0.013016
1274	4	1172	1171	1202	1203	0.473551	0.013016
1275	4	1171	246	245	1202	0.452154	0.011412
1276	4	1211	1210	1240	65	0.473551	0.013016
1277	4	1210	1209	1239	1240	0.473551	0.013016
1278	4	1209	1208	1238	1239	0.473551	0.013016
1279	4	1208	1207	1237	1238	0.473551	0.013016
1280	4	1207	1206	1236	1237	0.473551	0.013016
1281	4	1206	1205	1235	1236	0.473551	0.013016
1282	4	1205	1204	1234	1235	0.473551	0.013016
1283	4	1204	1203	1233	1234	0.473551	0.013016
1284	4	1203	1202	1232	1233	0.473551	0.013016
1285	4	1202	245	244	1232	0.452154	0.011412
1286	4	1240	1239	1268	67	0.473551	0.013016
1287	4	1239	1238	1267	1268	0.473551	0.013016
1288	4	1238	1237	1266	1267	0.473551	0.013016
1289	4	1237	1236	1265	1266	0.473551	0.013016
1290	4	1236	1235	1264	1265	0.473551	0.013016
1291	4	1235	1234	1263	1264	0.473551	0.013016
1292	4	1234	1233	1262	1263	0.473551	0.013016
1293	4	1233	1232	1261	1262	0.473551	0.013016
1294	4	1232	244	243	1261	0.452154	0.011412
1295	4	1268	1267	1295	69	0.473551	0.013016
1296	4	1267	1266	1294	1295	0.473551	0.013016

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1297	4	1266	1265	1293	1294	0.473551	0.013016
1298	4	1265	1264	1292	1293	0.473551	0.013016
1299	4	1264	1263	1291	1292	0.473551	0.013016
1300	4	1263	1262	1290	1291	0.473551	0.013016
1301	4	1262	1261	1289	1290	0.473551	0.013016
1302	4	1261	243	242	1289	0.452154	0.011412
1303	4	1295	1294	1321	71	0.473551	0.013016
1304	4	1294	1293	1320	1321	0.473551	0.013016
1305	4	1293	1292	1319	1320	0.473551	0.013016
1306	4	1292	1291	1318	1319	0.473551	0.013016
1307	4	1291	1290	1317	1318	0.473551	0.013016
1308	4	1290	1289	1316	1317	0.473551	0.013016
1309	4	1289	242	241	1316	0.452154	0.011412
1310	4	1321	1320	1346	73	0.473551	0.013016
1311	4	1320	1319	1345	1346	0.473551	0.013016
1312	4	1319	1318	1344	1345	0.473551	0.013016
1313	4	1318	1317	1343	1344	0.473551	0.013016
1314	4	1317	1316	1342	1343	0.473551	0.013016
1315	4	1316	241	240	1342	0.452154	0.011412
1316	4	1346	1345	1370	75	0.473551	0.013016
1317	4	1345	1344	1369	1370	0.473551	0.013016
1318	4	1344	1343	1368	1369	0.473551	0.013016
1319	4	1343	1342	1367	1368	0.473551	0.013016
1320	4	1342	240	239	1367	0.452154	0.011412
1321	4	1370	1369	1393	77	0.473551	0.013016
1322	4	1369	1368	1392	1393	0.473551	0.013016
1323	4	1368	1367	1391	1392	0.473551	0.013016
1324	4	1367	239	238	1391	0.452154	0.011412
1325	4	1393	1392	1415	79	0.473551	0.013016
1326	4	1392	1391	1414	1415	0.473551	0.013016
1327	4	1391	238	237	1414	0.452154	0.011412
1328	4	1415	1414	1436	81	0.473551	0.013016
1329	4	1414	237	236	1436	0.452154	0.011412
1330	4	1436	236	235	83	0.452154	0.011412
1331	3	83	235	1		0.359509	0.005002
1332	3	81	1436	83		0.410067	0.006508
1333	3	79	1415	81		0.410067	0.006508
1334	3	77	1393	79		0.410067	0.006508
1335	3	75	1370	77		0.410067	0.006508
1336	3	73	1346	75		0.410067	0.006508
1337	3	71	1321	73		0.410067	0.006508
1338	3	69	1295	71		0.410067	0.006508
1339	3	67	1268	69		0.410067	0.006508
1340	3	65	1240	67		0.410067	0.006508
1341	3	63	1211	65		0.410067	0.006508
1342	3	61	1181	63		0.410067	0.006508
1343	3	59	1150	61		0.478000	0.008063
1345	3	55	1084	57		0.414239	0.006817
1346	3	53	1051	55		0.410067	0.006508
1347	3	51	1016	53		0.410067	0.006508
1348	3	49	981	51		0.410067	0.006508
1349	3	48	955	49		0.410067	0.006508
1350	3	46	928	48		0.410067	0.006508
1351	3	44	900	46		0.410067	0.006508
1352	3	42	871	44		0.410067	0.006508
1353	3	40	841	42		0.410067	0.006508
1354	3	38	810	40		0.410067	0.006508
1355	3	36	778	38		0.410067	0.006508
1356	3	34	745	36		0.410067	0.006508
1357	3	32	711	34		0.410067	0.006508
1358	3	30	676	32		0.410067	0.006508
1359	3	28	640	30		0.410067	0.006508
1360	3	26	603	28		0.410067	0.006508
1361	3	24	565	26		0.410067	0.006508
1362	3	22	526	24		0.410067	0.006508
1363	3	20	486	22		0.410067	0.006508
1364	3	18	445	20		0.410067	0.006508
1365	3	16	403	18		0.410067	0.006508
1366	3	14	360	16		0.410067	0.006508

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1367	3	2	316	14		0.410067	0.006508
1368	3	3	1736	112		0.272596	0.002876
1369	3	112	1755	114		0.410067	0.006508
1370	3	114	1773	116		0.410067	0.006508
1371	3	116	1790	118		0.410067	0.006508
1372	3	118	1806	120		0.410067	0.006508
1373	3	120	1821	122		0.410067	0.006508
1374	3	122	1835	124		0.410067	0.006508
1375	3	124	1848	126		0.410067	0.006508
1376	3	126	1860	128		0.410067	0.006508
1377	3	128	1871	130		0.410067	0.006508
1378	3	130	1881	132		0.410067	0.006508
1379	3	132	1890	5		0.352335	0.004805
1390	4	1881	1880	1890	132	0.449117	0.011184
1540	4	1736	1735	1755	112	0.372979	0.008653
1541	4	1735	1734	1754	1755	0.372979	0.008653
1542	4	1734	1733	1753	1754	0.372979	0.008653
1543	4	1733	1732	1752	1753	0.372979	0.008653
1544	4	1732	1731	1751	1752	0.372979	0.008653
1545	4	1731	1730	1750	1751	0.372979	0.008653
1546	4	1730	1729	1749	1750	0.372979	0.008653
1547	4	1729	1728	1748	1749	0.372979	0.008653
1548	4	1728	1727	1747	1748	0.372979	0.008653
1549	4	1727	1726	1746	1747	0.372979	0.008653
1550	4	1726	1725	1745	1746	0.348545	0.007435
1551	4	1755	1754	1773	114	0.473551	0.013016
1552	4	1754	1753	1772	1773	0.473551	0.013016
1553	4	1753	1752	1771	1772	0.473551	0.013016
1554	4	1752	1751	1770	1771	0.473551	0.013016
1555	4	1751	1750	1769	1770	0.473551	0.013016
1556	4	1750	1749	1768	1769	0.473551	0.013016
1557	4	1749	1748	1767	1768	0.473551	0.013016
1558	4	1748	1747	1766	1767	0.473551	0.013016
1559	4	1747	1746	1765	1766	0.473551	0.013016
1560	4	1746	1745	1764	1765	0.449117	0.011184
1561	4	1773	1772	1790	116	0.473551	0.013016
1562	4	1772	1771	1789	1790	0.473551	0.013016
1563	4	1771	1770	1788	1789	0.473551	0.013016
1564	4	1770	1769	1787	1788	0.473551	0.013016
1565	4	1769	1768	1786	1787	0.473551	0.013016
1566	4	1768	1767	1785	1786	0.473551	0.013016
1567	4	1767	1766	1784	1785	0.473551	0.013016
1568	4	1766	1765	1783	1784	0.473551	0.013016
1569	4	1765	1764	1782	1783	0.449117	0.011184
1570	4	1790	1789	1806	118	0.473551	0.013016
1571	4	1789	1788	1805	1806	0.473551	0.013016
1572	4	1788	1787	1804	1805	0.473551	0.013016
1573	4	1787	1786	1803	1804	0.473551	0.013016
1574	4	1786	1785	1802	1803	0.473551	0.013016
1575	4	1785	1784	1801	1802	0.473551	0.013016
1576	4	1784	1783	1800	1801	0.473551	0.013016
1577	4	1783	1782	1799	1800	0.449117	0.011184
1578	4	1806	1805	1821	120	0.473551	0.013016
1579	4	1805	1804	1820	1821	0.473551	0.013016
1580	4	1804	1803	1819	1820	0.473551	0.013016
1581	4	1803	1802	1818	1819	0.473551	0.013016
1582	4	1802	1801	1817	1818	0.473551	0.013016
1583	4	1801	1800	1816	1817	0.473551	0.013016
1584	4	1800	1799	1815	1816	0.449117	0.011184
1585	4	1821	1820	1835	122	0.473551	0.013016
1586	4	1820	1819	1834	1835	0.473551	0.013016
1587	4	1819	1818	1833	1834	0.473551	0.013016
1588	4	1818	1817	1832	1833	0.473551	0.013016
1589	4	1817	1816	1831	1832	0.473551	0.013016
1590	4	1816	1815	1830	1831	0.449117	0.011184
1591	4	1835	1834	1848	124	0.473551	0.013016
1592	4	1834	1833	1847	1848	0.473551	0.013016
1593	4	1833	1832	1846	1847	0.473551	0.013016
1594	4	1832	1831	1845	1846	0.473551	0.013016



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1595	4	1831	1830	1844	1845	0.449117	0.011184
1596	4	1848	1847	1860	126	0.473551	0.013016
1597	4	1847	1846	1859	1860	0.473551	0.013016
1598	4	1846	1845	1858	1859	0.473551	0.013016
1599	4	1845	1844	1857	1858	0.449117	0.011184
1600	4	1860	1859	1871	128	0.473551	0.013016
1601	4	1859	1858	1870	1871	0.473551	0.013016
1602	4	1858	1857	1869	1870	0.449117	0.011184
1603	4	1871	1870	1881	130	0.473551	0.013016
1604	4	1870	1869	1880	1881	0.449117	0.011184
1605	4	186	185	989	990	0.600000	0.022500
1606	4	990	989	1024	1025	0.600000	0.022500
1607	4	1025	1024	1059	1060	0.600000	0.022500
1608	4	1060	1059	1093	1094	0.600000	0.022500
1609	4	1094	1093	1126	1127	0.600000	0.022500
1610	4	1127	1126	1158	1159	0.600000	0.022500
1611	4	1159	1158	1189	1190	0.600000	0.022500
1612	4	1190	1189	1219	1220	0.600000	0.022500
1613	4	1220	1219	1248	1249	0.600000	0.022500
1614	4	1249	1248	1276	1277	0.600000	0.022500
1615	4	1277	1276	1303	1304	0.600000	0.022500
1616	4	1304	1303	1329	1330	0.600000	0.022500
1617	4	1330	1329	1354	1355	0.600000	0.022500
1618	4	1355	1354	1378	1379	0.600000	0.022500
1619	4	1379	1378	1401	1402	0.600000	0.022500
1620	4	1402	1401	1423	1424	0.600000	0.022500
1621	4	1424	1423	1444	1445	0.600000	0.022500
1622	4	1445	1444	2050	2051	0.563012	0.019726
1623	4	2051	2050	1464	1465	0.518780	0.016409
1624	4	1465	1464	1484	1485	0.518780	0.016409
1625	4	1485	1484	1504	1505	0.600000	0.022500
1626	4	1505	1504	1524	1525	0.600000	0.022500
1627	4	1525	1524	1544	1545	0.600000	0.022500
1628	4	1545	1544	1564	1565	0.600000	0.022500
1629	4	1565	1564	1584	1585	0.600000	0.022500
1630	4	1585	1584	1604	1605	0.600000	0.022500
1631	4	1605	1604	1624	1625	0.600000	0.022500
1632	4	1625	1624	1644	1645	0.600000	0.022500
1633	4	1645	1644	1664	1665	0.600000	0.022500
1634	4	1665	1664	1684	1685	0.600000	0.022500
1635	4	1685	1684	1704	1705	0.600000	0.022500
1636	4	1705	1704	1724	1725	0.600000	0.022500
1637	4	1725	1724	1744	1745	0.499428	0.014957
1638	4	1745	1744	1763	1764	0.600000	0.022500
1639	4	1764	1763	1781	1782	0.600000	0.022500
1640	4	1782	1781	1798	1799	0.600000	0.022500
1641	4	1799	1798	1814	1815	0.600000	0.022500
1642	4	1815	1814	1829	1830	0.600000	0.022500
1643	4	1830	1829	1843	1844	0.600000	0.022500
1644	4	1844	1843	1856	1857	0.600000	0.022500
1645	4	1857	1856	1868	1869	0.600000	0.022500
1646	4	1869	1868	1879	1880	0.600000	0.022500
1647	4	1880	1879	1889	1890	0.600000	0.022500
1648	4	1890	1889	1898	5	0.557764	0.019332
1649	4	5	1898	1906	135	0.642236	0.025668
1650	4	135	1906	1914	137	0.600000	0.022500
1651	4	137	1914	1922	139	0.600000	0.022500
1652	4	139	1922	1930	141	0.600000	0.022500
1653	4	141	1930	1938	143	0.600000	0.022500
1654	4	143	1938	1946	145	0.600000	0.022500
1655	4	145	1946	1954	147	0.600000	0.022500
1656	4	147	1954	1962	149	0.600000	0.022500
1657	4	149	1962	1970	151	0.600000	0.022500
1658	4	151	1970	1978	153	0.600000	0.022500
1659	4	153	1978	1986	155	0.600000	0.022500
1660	4	155	1986	1994	157	0.600000	0.022500
1661	4	157	1994	2002	159	0.600000	0.022500
1662	4	159	2002	2010	161	0.600000	0.022500
1663	4	161	2010	2018	163	0.600000	0.022500

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1664	4	163	2018	2026	165	0.600000	0.022500
1665	4	165	2026	2034	167	0.600000	0.022500
1666	4	167	2034	2042	169	0.600000	0.022500
1667	4	169	2042	184	6	0.573280	0.020496
1668	4	185	183	988	989	0.600000	0.022500
1669	4	989	988	1023	1024	0.600000	0.022500
1670	4	1024	1023	1058	1059	0.600000	0.022500
1671	4	1059	1058	1092	1093	0.600000	0.022500
1672	4	1093	1092	1125	1126	0.600000	0.022500
1673	4	1126	1125	1157	1158	0.600000	0.022500
1674	4	1158	1157	1188	1189	0.600000	0.022500
1675	4	1189	1188	1218	1219	0.600000	0.022500
1676	4	1219	1218	1247	1248	0.600000	0.022500
1677	4	1248	1247	1275	1276	0.600000	0.022500
1678	4	1276	1275	1302	1303	0.600000	0.022500
1679	4	1303	1302	1328	1329	0.600000	0.022500
1680	4	1329	1328	1353	1354	0.600000	0.022500
1681	4	1354	1353	1377	1378	0.600000	0.022500
1682	4	1378	1377	1400	1401	0.600000	0.022500
1683	4	1401	1400	1422	1423	0.600000	0.022500
1684	4	1423	1422	1443	1444	0.600000	0.022500
1685	4	1444	1443	2049	2050	0.563012	0.019726
1686	4	2050	2049	1463	1464	0.518780	0.016409
1687	4	1464	1463	1483	1484	0.518780	0.016409
1688	4	1484	1483	1503	1504	0.600000	0.022500
1689	4	1504	1503	1523	1524	0.600000	0.022500
1690	4	1524	1523	1543	1544	0.600000	0.022500
1691	4	1544	1543	1563	1564	0.600000	0.022500
1692	4	1564	1563	1583	1584	0.600000	0.022500
1693	4	1584	1583	1603	1604	0.600000	0.022500
1694	4	1604	1603	1623	1624	0.600000	0.022500
1695	4	1624	1623	1643	1644	0.600000	0.022500
1696	4	1644	1643	1663	1664	0.600000	0.022500
1697	4	1664	1663	1683	1684	0.600000	0.022500
1698	4	1684	1683	1703	1704	0.600000	0.022500
1699	4	1704	1703	1723	1724	0.600000	0.022500
1700	4	1724	1723	1743	1744	0.499428	0.014957
1701	4	1744	1743	1762	1763	0.600000	0.022500
1702	4	1763	1762	1780	1781	0.600000	0.022500
1703	4	1781	1780	1797	1798	0.600000	0.022500
1704	4	1798	1797	1813	1814	0.600000	0.022500
1705	4	1814	1813	1828	1829	0.600000	0.022500
1706	4	1829	1828	1842	1843	0.600000	0.022500
1707	4	1843	1842	1855	1856	0.600000	0.022500
1708	4	1856	1855	1867	1868	0.600000	0.022500
1709	4	1868	1867	1878	1879	0.600000	0.022500
1710	4	1879	1878	1888	1889	0.600000	0.022500
1711	4	1889	1888	1897	1898	0.557764	0.019332
1712	4	1898	1897	1905	1906	0.642236	0.025668
1713	4	1906	1905	1913	1914	0.600000	0.022500
1714	4	1914	1913	1921	1922	0.600000	0.022500
1715	4	1922	1921	1929	1930	0.600000	0.022500
1716	4	1930	1929	1937	1938	0.600000	0.022500
1717	4	1938	1937	1945	1946	0.600000	0.022500
1718	4	1946	1945	1953	1954	0.600000	0.022500
1719	4	1954	1953	1961	1962	0.600000	0.022500
1720	4	1962	1961	1969	1970	0.600000	0.022500
1721	4	1970	1969	1977	1978	0.600000	0.022500
1722	4	1978	1977	1985	1986	0.600000	0.022500
1723	4	1986	1985	1993	1994	0.600000	0.022500
1724	4	1994	1993	2001	2002	0.600000	0.022500
1725	4	2002	2001	2009	2010	0.600000	0.022500
1726	4	2010	2009	2017	2018	0.600000	0.022500
1727	4	2018	2017	2025	2026	0.600000	0.022500
1728	4	2026	2025	2033	2034	0.600000	0.022500
1729	4	2034	2033	2041	2042	0.600000	0.022500
1730	4	2042	2041	182	184	0.573280	0.020496
1731	4	183	181	987	988	0.600000	0.022500
1732	4	988	987	1022	1023	0.600000	0.022500

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1733	4	1023	1022	1057	1058	0.600000	0.022500
1734	4	1058	1057	1091	1092	0.600000	0.022500
1735	4	1092	1091	1124	1125	0.600000	0.022500
1736	4	1125	1124	1156	1157	0.600000	0.022500
1737	4	1157	1156	1187	1188	0.600000	0.022500
1738	4	1188	1187	1217	1218	0.600000	0.022500
1739	4	1218	1217	1246	1247	0.600000	0.022500
1740	4	1247	1246	1274	1275	0.600000	0.022500
1741	4	1275	1274	1301	1302	0.600000	0.022500
1742	4	1302	1301	1327	1328	0.600000	0.022500
1743	4	1328	1327	1352	1353	0.600000	0.022500
1744	4	1353	1352	1376	1377	0.600000	0.022500
1745	4	1377	1376	1399	1400	0.600000	0.022500
1746	4	1400	1399	1421	1422	0.600000	0.022500
1747	4	1422	1421	1442	1443	0.600000	0.022500
1748	4	1443	1442	2048	2049	0.563012	0.019726
1749	4	2049	2048	1462	1463	0.518780	0.016409
1750	4	1463	1462	1482	1483	0.518780	0.016409
1751	4	1483	1482	1502	1503	0.600000	0.022500
1752	4	1503	1502	1522	1523	0.600000	0.022500
1753	4	1523	1522	1542	1543	0.600000	0.022500
1754	4	1543	1542	1562	1563	0.600000	0.022500
1755	4	1563	1562	1582	1583	0.600000	0.022500
1756	4	1583	1582	1602	1603	0.600000	0.022500
1757	4	1603	1602	1622	1623	0.600000	0.022500
1758	4	1623	1622	1642	1643	0.600000	0.022500
1759	4	1643	1642	1662	1663	0.600000	0.022500
1760	4	1663	1662	1682	1683	0.600000	0.022500
1761	4	1683	1682	1702	1703	0.600000	0.022500
1762	4	1703	1702	1722	1723	0.600000	0.022500
1763	4	1723	1722	1742	1743	0.499428	0.014957
1764	4	1743	1742	1761	1762	0.600000	0.022500
1765	4	1762	1761	1779	1780	0.600000	0.022500
1766	4	1780	1779	1796	1797	0.600000	0.022500
1767	4	1797	1796	1812	1813	0.600000	0.022500
1768	4	1813	1812	1827	1828	0.600000	0.022500
1769	4	1828	1827	1841	1842	0.600000	0.022500
1770	4	1842	1841	1854	1855	0.600000	0.022500
1771	4	1855	1854	1866	1867	0.600000	0.022500
1772	4	1867	1866	1877	1878	0.600000	0.022500
1773	4	1878	1877	1887	1888	0.600000	0.022500
1774	4	1888	1887	1896	1897	0.557764	0.019332
1775	4	1897	1896	1904	1905	0.642236	0.025668
1776	4	1905	1904	1912	1913	0.600000	0.022500
1777	4	1913	1912	1920	1921	0.600000	0.022500
1778	4	1921	1920	1928	1929	0.600000	0.022500
1779	4	1929	1928	1936	1937	0.600000	0.022500
1780	4	1937	1936	1944	1945	0.600000	0.022500
1781	4	1945	1944	1952	1953	0.600000	0.022500
1782	4	1953	1952	1960	1961	0.600000	0.022500
1783	4	1961	1960	1968	1969	0.600000	0.022500
1784	4	1969	1968	1976	1977	0.600000	0.022500
1785	4	1977	1976	1984	1985	0.600000	0.022500
1786	4	1985	1984	1992	1993	0.600000	0.022500
1787	4	1993	1992	2000	2001	0.600000	0.022500
1788	4	2001	2000	2008	2009	0.600000	0.022500
1789	4	2009	2008	2016	2017	0.600000	0.022500
1790	4	2017	2016	2024	2025	0.600000	0.022500
1791	4	2025	2024	2032	2033	0.600000	0.022500
1792	4	2033	2032	2040	2041	0.600000	0.022500
1793	4	2041	2040	180	182	0.573280	0.020496
1794	4	181	179	986	987	0.600000	0.022500
1795	4	987	986	1021	1022	0.600000	0.022500
1796	4	1022	1021	1056	1057	0.600000	0.022500
1797	4	1057	1056	1090	1091	0.600000	0.022500
1798	4	1091	1090	1123	1124	0.600000	0.022500
1799	4	1124	1123	1155	1156	0.600000	0.022500
1800	4	1156	1155	1186	1187	0.600000	0.022500
1801	4	1187	1186	1216	1217	0.600000	0.022500

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1802	4	1217	1216	1245	1246	0.600000	0.022500
1803	4	1246	1245	1273	1274	0.600000	0.022500
1804	4	1274	1273	1300	1301	0.600000	0.022500
1805	4	1301	1300	1326	1327	0.600000	0.022500
1806	4	1327	1326	1351	1352	0.600000	0.022500
1807	4	1352	1351	1375	1376	0.600000	0.022500
1808	4	1376	1375	1398	1399	0.600000	0.022500
1809	4	1399	1398	1420	1421	0.600000	0.022500
1810	4	1421	1420	1441	1442	0.600000	0.022500
1811	4	1442	1441	2047	2048	0.563012	0.019726
1812	4	2048	2047	1461	1462	0.518780	0.016409
1813	4	1462	1461	1481	1482	0.518780	0.016409
1814	4	1482	1481	1501	1502	0.600000	0.022500
1815	4	1502	1501	1521	1522	0.600000	0.022500
1816	4	1522	1521	1541	1542	0.600000	0.022500
1817	4	1542	1541	1561	1562	0.600000	0.022500
1818	4	1562	1561	1581	1582	0.600000	0.022500
1819	4	1582	1581	1601	1602	0.600000	0.022500
1820	4	1602	1601	1621	1622	0.600000	0.022500
1821	4	1622	1621	1641	1642	0.600000	0.022500
1822	4	1642	1641	1661	1662	0.600000	0.022500
1823	4	1662	1661	1681	1682	0.600000	0.022500
1824	4	1682	1681	1701	1702	0.600000	0.022500
1825	4	1702	1701	1721	1722	0.600000	0.022500
1826	4	1722	1721	1741	1742	0.499428	0.014957
1827	4	1742	1741	1760	1761	0.600000	0.022500
1828	4	1761	1760	1778	1779	0.600000	0.022500
1829	4	1779	1778	1795	1796	0.600000	0.022500
1830	4	1796	1795	1811	1812	0.600000	0.022500
1831	4	1812	1811	1826	1827	0.600000	0.022500
1832	4	1827	1826	1840	1841	0.600000	0.022500
1833	4	1841	1840	1853	1854	0.600000	0.022500
1834	4	1854	1853	1865	1866	0.600000	0.022500
1835	4	1866	1865	1876	1877	0.600000	0.022500
1836	4	1877	1876	1886	1887	0.600000	0.022500
1837	4	1887	1886	1895	1896	0.557764	0.019332
1838	4	1896	1895	1903	1904	0.642236	0.025668
1839	4	1904	1903	1911	1912	0.600000	0.022500
1840	4	1912	1911	1919	1920	0.600000	0.022500
1841	4	1920	1919	1927	1928	0.600000	0.022500
1842	4	1928	1927	1935	1936	0.600000	0.022500
1843	4	1936	1935	1943	1944	0.600000	0.022500
1844	4	1944	1943	1951	1952	0.600000	0.022500
1845	4	1952	1951	1959	1960	0.600000	0.022500
1846	4	1960	1959	1967	1968	0.600000	0.022500
1847	4	1968	1967	1975	1976	0.600000	0.022500
1848	4	1976	1975	1983	1984	0.600000	0.022500
1849	4	1984	1983	1991	1992	0.600000	0.022500
1850	4	1992	1991	1999	2000	0.600000	0.022500
1851	4	2000	1999	2007	2008	0.600000	0.022500
1852	4	2008	2007	2015	2016	0.600000	0.022500
1853	4	2016	2015	2023	2024	0.600000	0.022500
1854	4	2024	2023	2031	2032	0.600000	0.022500
1855	4	2032	2031	2039	2040	0.600000	0.022500
1856	4	2040	2039	178	180	0.573280	0.020496
1857	4	179	177	985	986	0.600000	0.022500
1858	4	986	985	1020	1021	0.600000	0.022500
1859	4	1021	1020	1055	1056	0.600000	0.022500
1860	4	1056	1055	1089	1090	0.600000	0.022500
1861	4	1090	1089	1122	1123	0.600000	0.022500
1862	4	1123	1122	1154	1155	0.600000	0.022500
1863	4	1155	1154	1185	1186	0.600000	0.022500
1864	4	1186	1185	1215	1216	0.600000	0.022500
1865	4	1216	1215	1244	1245	0.600000	0.022500
1866	4	1245	1244	1272	1273	0.600000	0.022500
1867	4	1273	1272	1299	1300	0.600000	0.022500
1868	4	1300	1299	1325	1326	0.600000	0.022500
1869	4	1326	1325	1350	1351	0.600000	0.022500
1870	4	1351	1350	1374	1375	0.600000	0.022500

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1871	4	1375	1374	1397	1398	0.600000	0.022500
1872	4	1398	1397	1419	1420	0.600000	0.022500
1873	4	1420	1419	1440	1441	0.600000	0.022500
1874	4	1441	1440	2046	2047	0.563012	0.019726
1875	4	2047	2046	1460	1461	0.518780	0.016409
1876	4	1461	1460	1480	1481	0.518780	0.016409
1877	4	1481	1480	1500	1501	0.600000	0.022500
1878	4	1501	1500	1520	1521	0.600000	0.022500
1879	4	1521	1520	1540	1541	0.600000	0.022500
1880	4	1541	1540	1560	1561	0.600000	0.022500
1881	4	1561	1560	1580	1581	0.600000	0.022500
1882	4	1581	1580	1600	1601	0.600000	0.022500
1883	4	1601	1600	1620	1621	0.600000	0.022500
1884	4	1621	1620	1640	1641	0.600000	0.022500
1885	4	1641	1640	1660	1661	0.600000	0.022500
1886	4	1661	1660	1680	1681	0.600000	0.022500
1887	4	1681	1680	1700	1701	0.600000	0.022500
1888	4	1701	1700	1720	1721	0.600000	0.022500
1889	4	1721	1720	1740	1741	0.499428	0.014957
1890	4	1741	1740	1759	1760	0.600000	0.022500
1891	4	1760	1759	1777	1778	0.600000	0.022500
1892	4	1778	1777	1794	1795	0.600000	0.022500
1893	4	1795	1794	1810	1811	0.600000	0.022500
1894	4	1811	1810	1825	1826	0.600000	0.022500
1895	4	1826	1825	1839	1840	0.600000	0.022500
1896	4	1840	1839	1852	1853	0.600000	0.022500
1897	4	1853	1852	1864	1865	0.600000	0.022500
1898	4	1865	1864	1875	1876	0.600000	0.022500
1899	4	1876	1875	1885	1886	0.600000	0.022500
1900	4	1886	1885	1894	1895	0.557764	0.019332
1901	4	1895	1894	1902	1903	0.642236	0.025668
1902	4	1903	1902	1910	1911	0.600000	0.022500
1903	4	1911	1910	1918	1919	0.600000	0.022500
1904	4	1919	1918	1926	1927	0.600000	0.022500
1905	4	1927	1926	1934	1935	0.600000	0.022500
1906	4	1935	1934	1942	1943	0.600000	0.022500
1907	4	1943	1942	1950	1951	0.600000	0.022500
1908	4	1951	1950	1958	1959	0.600000	0.022500
1909	4	1959	1958	1966	1967	0.600000	0.022500
1910	4	1967	1966	1974	1975	0.600000	0.022500
1911	4	1975	1974	1982	1983	0.600000	0.022500
1912	4	1983	1982	1990	1991	0.600000	0.022500
1913	4	1991	1990	1998	1999	0.600000	0.022500
1914	4	1999	1998	2006	2007	0.600000	0.022500
1915	4	2007	2006	2014	2015	0.600000	0.022500
1916	4	2015	2014	2022	2023	0.600000	0.022500
1917	4	2023	2022	2030	2031	0.600000	0.022500
1918	4	2031	2030	2038	2039	0.600000	0.022500
1919	4	2039	2038	176	178	0.573280	0.020496
1920	4	177	175	984	985	0.600000	0.022500
1921	4	985	984	1019	1020	0.600000	0.022500
1922	4	1020	1019	1054	1055	0.600000	0.022500
1923	4	1055	1054	1088	1089	0.600000	0.022500
1924	4	1089	1088	1121	1122	0.600000	0.022500
1925	4	1122	1121	1153	1154	0.600000	0.022500
1926	4	1154	1153	1184	1185	0.600000	0.022500
1927	4	1185	1184	1214	1215	0.600000	0.022500
1928	4	1215	1214	1243	1244	0.600000	0.022500
1929	4	1244	1243	1271	1272	0.600000	0.022500
1930	4	1272	1271	1298	1299	0.600000	0.022500
1931	4	1299	1298	1324	1325	0.600000	0.022500
1932	4	1325	1324	1349	1350	0.600000	0.022500
1933	4	1350	1349	1373	1374	0.600000	0.022500
1934	4	1374	1373	1396	1397	0.600000	0.022500
1935	4	1397	1396	1418	1419	0.600000	0.022500
1936	4	1419	1418	1439	1440	0.600000	0.022500
1937	4	1440	1439	2045	2046	0.563012	0.019726
1938	4	2046	2045	1459	1460	0.518780	0.016409
1939	4	1460	1459	1479	1480	0.518780	0.016409

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1940	4	1480	1479	1499	1500	0.600000	0.022500
1941	4	1500	1499	1519	1520	0.600000	0.022500
1942	4	1520	1519	1539	1540	0.600000	0.022500
1943	4	1540	1539	1559	1560	0.600000	0.022500
1944	4	1560	1559	1579	1580	0.600000	0.022500
1945	4	1580	1579	1599	1600	0.600000	0.022500
1946	4	1600	1599	1619	1620	0.600000	0.022500
1947	4	1620	1619	1639	1640	0.600000	0.022500
1948	4	1640	1639	1659	1660	0.600000	0.022500
1949	4	1660	1659	1679	1680	0.600000	0.022500
1950	4	1680	1679	1699	1700	0.600000	0.022500
1951	4	1700	1699	1719	1720	0.600000	0.022500
1952	4	1720	1719	1739	1740	0.499428	0.014957
1953	4	1740	1739	1758	1759	0.600000	0.022500
1954	4	1759	1758	1776	1777	0.600000	0.022500
1955	4	1777	1776	1793	1794	0.600000	0.022500
1956	4	1794	1793	1809	1810	0.600000	0.022500
1957	4	1810	1809	1824	1825	0.600000	0.022500
1958	4	1825	1824	1838	1839	0.600000	0.022500
1959	4	1839	1838	1851	1852	0.600000	0.022500
1960	4	1852	1851	1863	1864	0.600000	0.022500
1961	4	1864	1863	1874	1875	0.600000	0.022500
1962	4	1875	1874	1884	1885	0.600000	0.022500
1963	4	1885	1884	1893	1894	0.557764	0.019332
1964	4	1894	1893	1901	1902	0.642236	0.025668
1965	4	1902	1901	1909	1910	0.600000	0.022500
1966	4	1910	1909	1917	1918	0.600000	0.022500
1967	4	1918	1917	1925	1926	0.600000	0.022500
1968	4	1926	1925	1933	1934	0.600000	0.022500
1969	4	1934	1933	1941	1942	0.600000	0.022500
1970	4	1942	1941	1949	1950	0.600000	0.022500
1971	4	1950	1949	1957	1958	0.600000	0.022500
1972	4	1958	1957	1965	1966	0.600000	0.022500
1973	4	1966	1965	1973	1974	0.600000	0.022500
1974	4	1974	1973	1981	1982	0.600000	0.022500
1975	4	1982	1981	1989	1990	0.600000	0.022500
1976	4	1990	1989	1997	1998	0.600000	0.022500
1977	4	1998	1997	2005	2006	0.600000	0.022500
1978	4	2006	2005	2013	2014	0.600000	0.022500
1979	4	2014	2013	2021	2022	0.600000	0.022500
1980	4	2022	2021	2029	2030	0.600000	0.022500
1981	4	2030	2029	2037	2038	0.600000	0.022500
1982	4	2038	2037	174	176	0.573280	0.020496
1983	4	175	173	983	984	0.600000	0.022500
1984	4	984	983	1018	1019	0.600000	0.022500
1985	4	1019	1018	1053	1054	0.600000	0.022500
1986	4	1054	1053	1087	1088	0.600000	0.022500
1987	4	1088	1087	1120	1121	0.600000	0.022500
1988	4	1121	1120	1152	1153	0.600000	0.022500
1989	4	1153	1152	1183	1184	0.600000	0.022500
1990	4	1184	1183	1213	1214	0.600000	0.022500
1991	4	1214	1213	1242	1243	0.600000	0.022500
1992	4	1243	1242	1270	1271	0.600000	0.022500
1993	4	1271	1270	1297	1298	0.600000	0.022500
1994	4	1298	1297	1323	1324	0.600000	0.022500
1995	4	1324	1323	1348	1349	0.600000	0.022500
1996	4	1349	1348	1372	1373	0.600000	0.022500
1997	4	1373	1372	1395	1396	0.600000	0.022500
1998	4	1396	1395	1417	1418	0.600000	0.022500
1999	4	1418	1417	1438	1439	0.600000	0.022500
2000	4	1439	1438	2044	2045	0.563012	0.019726
2001	4	2045	2044	1458	1459	0.518780	0.016409
2002	4	1459	1458	1478	1479	0.518780	0.016409
2003	4	1479	1478	1498	1499	0.600000	0.022500
2004	4	1499	1498	1518	1519	0.600000	0.022500
2005	4	1519	1518	1538	1539	0.600000	0.022500
2006	4	1539	1538	1558	1559	0.600000	0.022500
2007	4	1559	1558	1578	1579	0.600000	0.022500
2008	4	1579	1578	1598	1599	0.600000	0.022500

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2009	4	1599	1598	1618	1619	0.600000	0.022500
2010	4	1619	1618	1638	1639	0.600000	0.022500
2011	4	1639	1638	1658	1659	0.600000	0.022500
2012	4	1659	1658	1678	1679	0.600000	0.022500
2013	4	1679	1678	1698	1699	0.600000	0.022500
2014	4	1699	1698	1718	1719	0.600000	0.022500
2015	4	1719	1718	1738	1739	0.499428	0.014957
2016	4	1739	1738	1757	1758	0.600000	0.022500
2017	4	1758	1757	1775	1776	0.600000	0.022500
2018	4	1776	1775	1792	1793	0.600000	0.022500
2019	4	1793	1792	1808	1809	0.600000	0.022500
2020	4	1809	1808	1823	1824	0.600000	0.022500
2021	4	1824	1823	1837	1838	0.600000	0.022500
2022	4	1838	1837	1850	1851	0.600000	0.022500
2023	4	1851	1850	1862	1863	0.600000	0.022500
2024	4	1863	1862	1873	1874	0.600000	0.022500
2025	4	1874	1873	1883	1884	0.600000	0.022500
2026	4	1884	1883	1892	1893	0.557764	0.019332
2027	4	1893	1892	1900	1901	0.642236	0.025668
2028	4	1901	1900	1908	1909	0.600000	0.022500
2029	4	1909	1908	1916	1917	0.600000	0.022500
2030	4	1917	1916	1924	1925	0.600000	0.022500
2031	4	1925	1924	1932	1933	0.600000	0.022500
2032	4	1933	1932	1940	1941	0.600000	0.022500
2033	4	1941	1940	1948	1949	0.600000	0.022500
2034	4	1949	1948	1956	1957	0.600000	0.022500
2035	4	1957	1956	1964	1965	0.600000	0.022500
2036	4	1965	1964	1972	1973	0.600000	0.022500
2037	4	1973	1972	1980	1981	0.600000	0.022500
2038	4	1981	1980	1988	1989	0.600000	0.022500
2039	4	1989	1988	1996	1997	0.600000	0.022500
2040	4	1997	1996	2004	2005	0.600000	0.022500
2041	4	2005	2004	2012	2013	0.600000	0.022500
2042	4	2013	2012	2020	2021	0.600000	0.022500
2043	4	2021	2020	2028	2029	0.600000	0.022500
2044	4	2029	2028	2036	2037	0.600000	0.022500
2045	4	2037	2036	172	174	0.573280	0.020496
2046	4	173	171	982	983	0.600000	0.022500
2047	4	983	982	1017	1018	0.600000	0.022500
2048	4	1018	1017	1052	1053	0.600000	0.022500
2049	4	1053	1052	1086	1087	0.600000	0.022500
2050	4	1087	1086	1119	1120	0.600000	0.022500
2051	4	1120	1119	1151	1152	0.600000	0.022500
2052	4	1152	1151	1182	1183	0.600000	0.022500
2053	4	1183	1182	1212	1213	0.600000	0.022500
2054	4	1213	1212	1241	1242	0.600000	0.022500
2055	4	1242	1241	1269	1270	0.600000	0.022500
2056	4	1270	1269	1296	1297	0.600000	0.022500
2057	4	1297	1296	1322	1323	0.600000	0.022500
2058	4	1323	1322	1347	1348	0.600000	0.022500
2059	4	1348	1347	1371	1372	0.600000	0.022500
2060	4	1372	1371	1394	1395	0.600000	0.022500
2061	4	1395	1394	1416	1417	0.600000	0.022500
2062	4	1417	1416	1437	1438	0.600000	0.022500
2063	4	1438	1437	2043	2044	0.563012	0.019726
2064	4	2044	2043	1457	1458	0.518780	0.016409
2065	4	1458	1457	1477	1478	0.518780	0.016409
2066	4	1478	1477	1497	1498	0.600000	0.022500
2067	4	1498	1497	1517	1518	0.600000	0.022500
2068	4	1518	1517	1537	1538	0.600000	0.022500
2069	4	1538	1537	1557	1558	0.600000	0.022500
2070	4	1558	1557	1577	1578	0.600000	0.022500
2071	4	1578	1577	1597	1598	0.600000	0.022500
2072	4	1598	1597	1617	1618	0.600000	0.022500
2073	4	1618	1617	1637	1638	0.600000	0.022500
2074	4	1638	1637	1657	1658	0.600000	0.022500
2075	4	1658	1657	1677	1678	0.600000	0.022500
2076	4	1678	1677	1697	1698	0.600000	0.022500
2077	4	1698	1697	1717	1718	0.600000	0.022500

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2078	4	1718	1717	1737	1738	0.499428	0.014957
2079	4	1738	1737	1756	1757	0.600000	0.022500
2080	4	1757	1756	1774	1775	0.600000	0.022500
2081	4	1775	1774	1791	1792	0.600000	0.022500
2082	4	1792	1791	1807	1808	0.600000	0.022500
2083	4	1808	1807	1822	1823	0.600000	0.022500
2084	4	1823	1822	1836	1837	0.600000	0.022500
2085	4	1837	1836	1849	1850	0.600000	0.022500
2086	4	1850	1849	1861	1862	0.600000	0.022500
2087	4	1862	1861	1872	1873	0.600000	0.022500
2088	4	1873	1872	1882	1883	0.600000	0.022500
2089	4	1883	1882	1891	1892	0.557764	0.019332
2090	4	1892	1891	1899	1900	0.642236	0.025668
2091	4	1900	1899	1907	1908	0.600000	0.022500
2092	4	1908	1907	1915	1916	0.600000	0.022500
2093	4	1916	1915	1923	1924	0.600000	0.022500
2094	4	1924	1923	1931	1932	0.600000	0.022500
2095	4	1932	1931	1939	1940	0.600000	0.022500
2096	4	1940	1939	1947	1948	0.600000	0.022500
2097	4	1948	1947	1955	1956	0.600000	0.022500
2098	4	1956	1955	1963	1964	0.600000	0.022500
2099	4	1964	1963	1971	1972	0.600000	0.022500
2100	4	1972	1971	1979	1980	0.600000	0.022500
2101	4	1980	1979	1987	1988	0.600000	0.022500
2102	4	1988	1987	1995	1996	0.600000	0.022500
2103	4	1996	1995	2003	2004	0.600000	0.022500
2104	4	2004	2003	2011	2012	0.600000	0.022500
2105	4	2012	2011	2019	2020	0.600000	0.022500
2106	4	2020	2019	2027	2028	0.600000	0.022500
2107	4	2028	2027	2035	2036	0.600000	0.022500
2108	4	2036	2035	170	172	0.573280	0.020496
2109	4	171	11	50	982	0.600000	0.022500
2110	4	982	50	52	1017	0.600000	0.022500
2111	4	1017	52	54	1052	0.600000	0.022500
2112	4	1052	54	56	1086	0.600000	0.022500
2113	4	1086	56	58	1119	0.600000	0.022500
2114	4	1119	58	60	1151	0.600000	0.022500
2115	4	1151	60	62	1182	0.600000	0.022500
2116	4	1182	62	64	1212	0.600000	0.022500
2117	4	1212	64	66	1241	0.600000	0.022500
2118	4	1241	66	68	1269	0.600000	0.022500
2119	4	1269	68	70	1296	0.600000	0.022500
2120	4	1296	70	72	1322	0.600000	0.022500
2121	4	1322	72	74	1347	0.600000	0.022500
2122	4	1347	74	76	1371	0.600000	0.022500
2123	4	1371	76	78	1394	0.600000	0.022500
2124	4	1394	78	80	1416	0.600000	0.022500
2125	4	1416	80	82	1437	0.600000	0.022500
2126	4	1437	82	234	2043	0.563012	0.019726
2127	4	2043	234	84	1457	0.518780	0.016409
2128	4	1457	84	86	1477	0.518780	0.016409
2129	4	1477	86	88	1497	0.600000	0.022500
2130	4	1497	88	90	1517	0.600000	0.022500
2131	4	1517	90	92	1537	0.600000	0.022500
2132	4	1537	92	94	1557	0.600000	0.022500
2133	4	1557	94	96	1577	0.600000	0.022500
2134	4	1577	96	98	1597	0.600000	0.022500
2135	4	1597	98	100	1617	0.600000	0.022500
2136	4	1617	100	102	1637	0.600000	0.022500
2137	4	1637	102	104	1657	0.600000	0.022500
2138	4	1657	104	106	1677	0.600000	0.022500
2139	4	1677	106	108	1697	0.600000	0.022500
2140	4	1697	108	110	1717	0.600000	0.022500
2141	4	1717	110	111	1737	0.499428	0.014957
2142	4	1737	111	113	1756	0.600000	0.022500
2143	4	1756	113	115	1774	0.600000	0.022500
2144	4	1774	115	117	1791	0.600000	0.022500
2145	4	1791	117	119	1807	0.600000	0.022500
2146	4	1807	119	121	1822	0.600000	0.022500



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2147	4	1822	121	123	1836	0.600000	0.022500
2148	4	1836	123	125	1849	0.600000	0.022500
2149	4	1849	125	127	1861	0.600000	0.022500
2150	4	1861	127	129	1872	0.600000	0.022500
2151	4	1872	129	131	1882	0.600000	0.022500
2152	4	1882	131	133	1891	0.557764	0.019332
2153	4	1891	133	134	1899	0.642236	0.025668
2154	4	1899	134	136	1907	0.600000	0.022500
2155	4	1907	136	138	1915	0.600000	0.022500
2156	4	1915	138	140	1923	0.600000	0.022500
2157	4	1923	140	142	1931	0.600000	0.022500
2158	4	1931	142	144	1939	0.600000	0.022500
2159	4	1939	144	146	1947	0.600000	0.022500
2160	4	1947	146	148	1955	0.600000	0.022500
2161	4	1955	148	150	1963	0.600000	0.022500
2162	4	1963	150	152	1971	0.600000	0.022500
2163	4	1971	152	154	1979	0.600000	0.022500
2164	4	1979	154	156	1987	0.600000	0.022500
2165	4	1987	156	158	1995	0.600000	0.022500
2166	4	1995	158	160	2003	0.600000	0.022500
2167	4	2003	160	162	2011	0.600000	0.022500
2168	4	2011	162	164	2019	0.600000	0.022500
2169	4	2019	164	166	2027	0.600000	0.022500
2170	4	2027	166	168	2035	0.600000	0.022500
2171	4	2035	168	7	170	0.573280	0.020496

Table: Connectivity - Area, Part 2 of 2

Area	Volume m3	CentroidX m	CentroidY m	CentroidZ m	GUID
3	0.001893	5.73620	0.00000	2.32112	
4	0.001893	5.84559	0.00000	2.32112	
5	0.002596	5.97529	0.00000	2.32112	
6	0.002596	6.12529	0.00000	2.32112	
7	0.002596	6.27529	0.00000	2.32112	
8	0.002596	6.42529	0.00000	2.32112	
9	0.002596	6.57529	0.00000	2.32112	
10	0.002596	6.72529	0.00000	2.32112	
11	0.002596	6.87529	0.00000	2.32112	
12	0.002596	7.02529	0.00000	2.32112	
13	0.002596	7.17529	0.00000	2.32112	
14	0.002596	7.32529	0.00000	2.32112	
15	0.002596	7.47529	0.00000	2.32112	
16	0.002596	7.62529	0.00000	2.32112	
17	0.002848	5.73620	0.00000	2.24889	
18	0.002848	5.84559	0.00000	2.24889	
19	0.003905	5.97529	0.00000	2.24889	
20	0.003905	6.12529	0.00000	2.24889	
21	0.003905	6.27529	0.00000	2.24889	
22	0.003905	6.42529	0.00000	2.24889	
23	0.003905	6.57529	0.00000	2.24889	
24	0.003905	6.72529	0.00000	2.24889	
25	0.003905	6.87529	0.00000	2.24889	
26	0.003905	7.02529	0.00000	2.24889	
27	0.003905	7.17529	0.00000	2.24889	
28	0.003905	7.32529	0.00000	2.24889	
29	0.003905	7.47529	0.00000	2.24889	
30	0.003905	7.62529	0.00000	2.24889	
31	0.002848	5.73620	0.00000	2.16211	
32	0.002848	5.84559	0.00000	2.16211	
33	0.003905	5.97529	0.00000	2.16211	
34	0.003905	6.12529	0.00000	2.16211	
35	0.003905	6.27529	0.00000	2.16211	
36	0.003905	6.42529	0.00000	2.16211	
37	0.003905	6.57529	0.00000	2.16211	
38	0.003905	6.72529	0.00000	2.16211	
39	0.003905	6.87529	0.00000	2.16211	

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40	0.003905	7.02529	0.00000	2.16211
41	0.003905	7.17529	0.00000	2.16211
42	0.003905	7.32529	0.00000	2.16211
43	0.003905	7.47529	0.00000	2.16211
44	0.003905	7.62529	0.00000	2.16211
45	0.002848	5.73620	0.00000	2.07533
46	0.002848	5.84559	0.00000	2.07533
47	0.003905	5.97529	0.00000	2.07533
48	0.003905	6.12529	0.00000	2.07533
49	0.003905	6.27529	0.00000	2.07533
50	0.003905	6.42529	0.00000	2.07533
51	0.003905	6.57529	0.00000	2.07533
52	0.003905	6.72529	0.00000	2.07533
53	0.003905	6.87529	0.00000	2.07533
54	0.003905	7.02529	0.00000	2.07533
55	0.003905	7.17529	0.00000	2.07533
56	0.003905	7.32529	0.00000	2.07533
57	0.003905	7.47529	0.00000	2.07533
58	0.003905	7.62529	0.00000	2.07533
59	0.002848	5.73620	0.00000	1.98856
60	0.002848	5.84559	0.00000	1.98856
61	0.003905	5.97529	0.00000	1.98856
62	0.003905	6.12529	0.00000	1.98856
63	0.003905	6.27529	0.00000	1.98856
64	0.003905	6.42529	0.00000	1.98856
65	0.003905	6.57529	0.00000	1.98856
66	0.003905	6.72529	0.00000	1.98856
67	0.003905	6.87529	0.00000	1.98856
68	0.003905	7.02529	0.00000	1.98856
69	0.003905	7.17529	0.00000	1.98856
70	0.003905	7.32529	0.00000	1.98856
71	0.003905	7.47529	0.00000	1.98856
72	0.003905	7.62529	0.00000	1.98856
73	0.002848	5.73620	0.00000	1.90178
74	0.002848	5.84559	0.00000	1.90178
75	0.003905	5.97529	0.00000	1.90178
76	0.003905	6.12529	0.00000	1.90178
77	0.003905	6.27529	0.00000	1.90178
78	0.003905	6.42529	0.00000	1.90178
79	0.003905	6.57529	0.00000	1.90178
80	0.003905	6.72529	0.00000	1.90178
81	0.003905	6.87529	0.00000	1.90178
82	0.003905	7.02529	0.00000	1.90178
83	0.003905	7.17529	0.00000	1.90178
84	0.003905	7.32529	0.00000	1.90178
85	0.003905	7.47529	0.00000	1.90178
86	0.003905	7.62529	0.00000	1.90178
87	0.002848	5.73620	0.00000	1.81501
88	0.002848	5.84559	0.00000	1.81501
89	0.003905	5.97529	0.00000	1.81501
90	0.003905	6.12529	0.00000	1.81501
91	0.003905	6.27529	0.00000	1.81501
92	0.003905	6.42529	0.00000	1.81501
93	0.003905	6.57529	0.00000	1.81501
94	0.003905	6.72529	0.00000	1.81501
95	0.003905	6.87529	0.00000	1.81501
96	0.003905	7.02529	0.00000	1.81501
97	0.003905	7.17529	0.00000	1.81501
98	0.003905	7.32529	0.00000	1.81501
99	0.003905	7.47529	0.00000	1.81501
100	0.003905	7.62529	0.00000	1.81501
101	0.002848	5.73620	0.00000	1.72823
102	0.002848	5.84559	0.00000	1.72823
103	0.003905	5.97529	0.00000	1.72823
104	0.003905	6.12529	0.00000	1.72823
105	0.003905	6.27529	0.00000	1.72823
106	0.003905	6.42529	0.00000	1.72823
107	0.003905	6.57529	0.00000	1.72823
108	0.003905	6.72529	0.00000	1.72823

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109	0.003905	6.87529	0.00000	1.72823
110	0.003905	7.02529	0.00000	1.72823
111	0.003905	7.17529	0.00000	1.72823
112	0.003905	7.32529	0.00000	1.72823
113	0.003905	7.47529	0.00000	1.72823
114	0.003905	7.62529	0.00000	1.72823
115	0.002848	5.73620	0.00000	1.64146
116	0.002848	5.84559	0.00000	1.64146
117	0.003905	5.97529	0.00000	1.64146
118	0.003905	6.12529	0.00000	1.64146
119	0.003905	6.27529	0.00000	1.64146
120	0.003905	6.42529	0.00000	1.64146
121	0.003905	6.57529	0.00000	1.64146
122	0.003905	6.72529	0.00000	1.64146
123	0.003905	6.87529	0.00000	1.64146
124	0.003905	7.02529	0.00000	1.64146
125	0.003905	7.17529	0.00000	1.64146
126	0.003905	7.32529	0.00000	1.64146
127	0.003905	7.47529	0.00000	1.64146
128	0.003905	7.62529	0.00000	1.64146
129	0.002848	5.73620	0.00000	1.55468
130	0.002848	5.84559	0.00000	1.55468
131	0.003905	5.97529	0.00000	1.55468
132	0.003905	6.12529	0.00000	1.55468
133	0.003905	6.27529	0.00000	1.55468
134	0.003905	6.42529	0.00000	1.55468
135	0.003905	6.57529	0.00000	1.55468
136	0.003905	6.72529	0.00000	1.55468
137	0.003905	6.87529	0.00000	1.55468
138	0.003905	7.02529	0.00000	1.55468
139	0.003905	7.17529	0.00000	1.55468
140	0.003905	7.32529	0.00000	1.55468
141	0.003905	7.47529	0.00000	1.55468
142	0.003905	7.62529	0.00000	1.55468
143	0.002848	5.73620	0.00000	1.46790
144	0.002848	5.84559	0.00000	1.46790
145	0.003905	5.97529	0.00000	1.46790
146	0.003905	6.12529	0.00000	1.46790
147	0.003905	6.27529	0.00000	1.46790
148	0.003905	6.42529	0.00000	1.46790
149	0.003905	6.57529	0.00000	1.46790
150	0.003905	6.72529	0.00000	1.46790
151	0.003905	6.87529	0.00000	1.46790
152	0.003905	7.02529	0.00000	1.46790
153	0.003905	7.17529	0.00000	1.46790
154	0.003905	7.32529	0.00000	1.46790
155	0.003905	7.47529	0.00000	1.46790
156	0.003905	7.62529	0.00000	1.46790
157	0.002447	5.73620	0.00000	1.38724
158	0.002447	5.84559	0.00000	1.38724
159	0.003355	5.97529	0.00000	1.38724
160	0.003355	6.12529	0.00000	1.38724
161	0.003355	6.27529	0.00000	1.38724
162	0.003355	6.42529	0.00000	1.38724
163	0.003355	6.57529	0.00000	1.38724
164	0.003355	6.72529	0.00000	1.38724
165	0.003355	6.87529	0.00000	1.38724
166	0.003355	7.02529	0.00000	1.38724
167	0.003355	7.17529	0.00000	1.38724
168	0.003355	7.32529	0.00000	1.38724
169	0.003355	7.47529	0.00000	1.38724
170	0.003355	7.62529	0.00000	1.38724
172	0.003355	3.07500	0.00000	1.38724
173	0.003650	3.07675	0.00000	1.46514
174	0.004160	3.07347	0.00000	1.55179
175	0.002596	3.22500	0.00000	2.32112
176	0.002596	3.37500	0.00000	2.32112
177	0.002596	3.52500	0.00000	2.32112
178	0.002596	3.67500	0.00000	2.32112

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179	0.002596	3.82500	0.00000	2.32112
180	0.002596	3.97500	0.00000	2.32112
181	0.002596	4.12500	0.00000	2.32112
182	0.002596	4.27500	0.00000	2.32112
183	0.002596	4.42500	0.00000	2.32112
184	0.002596	4.57500	0.00000	2.32112
185	0.002596	4.72500	0.00000	2.32112
186	0.002596	4.87500	0.00000	2.32112
187	0.002596	5.02500	0.00000	2.32112
188	0.002596	5.17500	0.00000	2.32112
189	0.002596	5.32500	0.00000	2.32112
190	0.002596	5.47500	0.00000	2.32112
191	0.002276	5.61575	0.00000	2.32112
192	0.003905	3.22500	0.00000	2.24889
193	0.003905	3.37500	0.00000	2.24889
194	0.003905	3.52500	0.00000	2.24889
195	0.003905	3.67500	0.00000	2.24889
196	0.003905	3.82500	0.00000	2.24889
197	0.003905	3.97500	0.00000	2.24889
198	0.003905	4.12500	0.00000	2.24889
199	0.003905	4.27500	0.00000	2.24889
200	0.003905	4.42500	0.00000	2.24889
201	0.003905	4.57500	0.00000	2.24889
202	0.003905	4.72500	0.00000	2.24889
203	0.003905	4.87500	0.00000	2.24889
204	0.003905	5.02500	0.00000	2.24889
205	0.003905	5.17500	0.00000	2.24889
206	0.003905	5.32500	0.00000	2.24889
207	0.003905	5.47500	0.00000	2.24889
208	0.003423	5.61575	0.00000	2.24889
209	0.003905	3.22500	0.00000	2.16211
210	0.003905	3.37500	0.00000	2.16211
211	0.003905	3.52500	0.00000	2.16211
212	0.003905	3.67500	0.00000	2.16211
213	0.003905	3.82500	0.00000	2.16211
214	0.003905	3.97500	0.00000	2.16211
215	0.003905	4.12500	0.00000	2.16211
216	0.003905	4.27500	0.00000	2.16211
217	0.003905	4.42500	0.00000	2.16211
218	0.003905	4.57500	0.00000	2.16211
219	0.003905	4.72500	0.00000	2.16211
220	0.003905	4.87500	0.00000	2.16211
221	0.003905	5.02500	0.00000	2.16211
222	0.003905	5.17500	0.00000	2.16211
223	0.003905	5.32500	0.00000	2.16211
224	0.003905	5.47500	0.00000	2.16211
225	0.003423	5.61575	0.00000	2.16211
226	0.003905	3.22500	0.00000	2.07533
227	0.003905	3.37500	0.00000	2.07533
228	0.003905	3.52500	0.00000	2.07533
229	0.003905	3.67500	0.00000	2.07533
230	0.003905	3.82500	0.00000	2.07533
231	0.003905	3.97500	0.00000	2.07533
232	0.003905	4.12500	0.00000	2.07533
233	0.003905	4.27500	0.00000	2.07533
234	0.003905	4.42500	0.00000	2.07533
235	0.003905	4.57500	0.00000	2.07533
236	0.003905	4.72500	0.00000	2.07533
237	0.003905	4.87500	0.00000	2.07533
238	0.003905	5.02500	0.00000	2.07533
239	0.003905	5.17500	0.00000	2.07533
240	0.003905	5.32500	0.00000	2.07533
241	0.003905	5.47500	0.00000	2.07533
242	0.003423	5.61575	0.00000	2.07533
243	0.003905	3.22500	0.00000	1.98856
244	0.003905	3.37500	0.00000	1.98856
245	0.003905	3.52500	0.00000	1.98856
246	0.003905	3.67500	0.00000	1.98856
247	0.003905	3.82500	0.00000	1.98856

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248	0.003905	3.97500	0.00000	1.98856
249	0.003905	4.12500	0.00000	1.98856
250	0.003905	4.27500	0.00000	1.98856
251	0.003905	4.42500	0.00000	1.98856
252	0.003905	4.57500	0.00000	1.98856
253	0.003905	4.72500	0.00000	1.98856
254	0.003905	4.87500	0.00000	1.98856
255	0.003905	5.02500	0.00000	1.98856
256	0.003905	5.17500	0.00000	1.98856
257	0.003905	5.32500	0.00000	1.98856
258	0.003905	5.47500	0.00000	1.98856
259	0.003423	5.61575	0.00000	1.98856
260	0.003905	3.22500	0.00000	1.90178
261	0.003905	3.37500	0.00000	1.90178
262	0.003905	3.52500	0.00000	1.90178
263	0.003905	3.67500	0.00000	1.90178
264	0.003905	3.82500	0.00000	1.90178
265	0.003905	3.97500	0.00000	1.90178
266	0.003905	4.12500	0.00000	1.90178
267	0.003905	4.27500	0.00000	1.90178
268	0.003905	4.42500	0.00000	1.90178
269	0.003905	4.57500	0.00000	1.90178
270	0.003905	4.72500	0.00000	1.90178
271	0.003905	4.87500	0.00000	1.90178
272	0.003905	5.02500	0.00000	1.90178
273	0.003905	5.17500	0.00000	1.90178
274	0.003905	5.32500	0.00000	1.90178
275	0.003905	5.47500	0.00000	1.90178
276	0.003423	5.61575	0.00000	1.90178
277	0.003905	3.22500	0.00000	1.81501
278	0.003905	3.37500	0.00000	1.81501
279	0.003905	3.52500	0.00000	1.81501
280	0.003905	3.67500	0.00000	1.81501
281	0.003905	3.82500	0.00000	1.81501
282	0.003905	3.97500	0.00000	1.81501
283	0.003905	4.12500	0.00000	1.81501
284	0.003905	4.27500	0.00000	1.81501
285	0.003905	4.42500	0.00000	1.81501
286	0.003905	4.57500	0.00000	1.81501
287	0.003905	4.72500	0.00000	1.81501
288	0.003905	4.87500	0.00000	1.81501
289	0.003905	5.02500	0.00000	1.81501
290	0.003905	5.17500	0.00000	1.81501
291	0.003905	5.32500	0.00000	1.81501
292	0.003905	5.47500	0.00000	1.81501
293	0.003423	5.61575	0.00000	1.81501
294	0.003905	3.22500	0.00000	1.72823
295	0.003905	3.37500	0.00000	1.72823
296	0.003905	3.52500	0.00000	1.72823
297	0.003905	3.67500	0.00000	1.72823
298	0.003905	3.82500	0.00000	1.72823
299	0.003905	3.97500	0.00000	1.72823
300	0.003905	4.12500	0.00000	1.72823
301	0.003905	4.27500	0.00000	1.72823
302	0.003905	4.42500	0.00000	1.72823
303	0.003905	4.57500	0.00000	1.72823
304	0.003905	4.72500	0.00000	1.72823
305	0.003905	4.87500	0.00000	1.72823
306	0.003905	5.02500	0.00000	1.72823
307	0.003905	5.17500	0.00000	1.72823
308	0.003905	5.32500	0.00000	1.72823
309	0.003905	5.47500	0.00000	1.72823
310	0.003423	5.61575	0.00000	1.72823
311	0.003905	3.22500	0.00000	1.64146
312	0.003905	3.37500	0.00000	1.64146
313	0.003905	3.52500	0.00000	1.64146
314	0.003905	3.67500	0.00000	1.64146
315	0.003905	3.82500	0.00000	1.64146
316	0.003905	3.97500	0.00000	1.64146

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

317	0.003905	4.12500	0.00000	1.64146
318	0.003905	4.27500	0.00000	1.64146
319	0.003905	4.42500	0.00000	1.64146
320	0.003905	4.57500	0.00000	1.64146
321	0.003905	4.72500	0.00000	1.64146
322	0.003905	4.87500	0.00000	1.64146
323	0.003905	5.02500	0.00000	1.64146
324	0.003905	5.17500	0.00000	1.64146
325	0.003905	5.32500	0.00000	1.64146
326	0.003905	5.47500	0.00000	1.64146
327	0.003423	5.61575	0.00000	1.64146
328	0.003905	3.22500	0.00000	1.55468
329	0.003905	3.37500	0.00000	1.55468
330	0.003905	3.52500	0.00000	1.55468
331	0.003905	3.67500	0.00000	1.55468
332	0.003905	3.82500	0.00000	1.55468
333	0.003905	3.97500	0.00000	1.55468
334	0.003905	4.12500	0.00000	1.55468
335	0.003905	4.27500	0.00000	1.55468
336	0.003905	4.42500	0.00000	1.55468
337	0.003905	4.57500	0.00000	1.55468
338	0.003905	4.72500	0.00000	1.55468
339	0.003905	4.87500	0.00000	1.55468
340	0.003905	5.02500	0.00000	1.55468
341	0.003905	5.17500	0.00000	1.55468
342	0.003905	5.32500	0.00000	1.55468
343	0.003905	5.47500	0.00000	1.55468
344	0.003423	5.61575	0.00000	1.55468
345	0.003905	3.22500	0.00000	1.46790
346	0.003905	3.37500	0.00000	1.46790
347	0.003905	3.52500	0.00000	1.46790
348	0.003905	3.67500	0.00000	1.46790
349	0.003905	3.82500	0.00000	1.46790
350	0.003905	3.97500	0.00000	1.46790
351	0.003905	4.12500	0.00000	1.46790
352	0.003905	4.27500	0.00000	1.46790
353	0.003905	4.42500	0.00000	1.46790
354	0.003905	4.57500	0.00000	1.46790
355	0.003905	4.72500	0.00000	1.46790
356	0.003905	4.87500	0.00000	1.46790
357	0.003905	5.02500	0.00000	1.46790
358	0.003905	5.17500	0.00000	1.46790
359	0.003905	5.32500	0.00000	1.46790
360	0.003905	5.47500	0.00000	1.46790
361	0.003423	5.61575	0.00000	1.46790
362	0.003355	3.22500	0.00000	1.38724
363	0.003355	3.37500	0.00000	1.38724
364	0.003355	3.52500	0.00000	1.38724
365	0.003355	3.67500	0.00000	1.38724
366	0.003355	3.82500	0.00000	1.38724
367	0.003355	3.97500	0.00000	1.38724
368	0.003355	4.12500	0.00000	1.38724
369	0.003355	4.27500	0.00000	1.38724
370	0.003355	4.42500	0.00000	1.38724
371	0.003355	4.57500	0.00000	1.38724
372	0.003355	4.72500	0.00000	1.38724
373	0.003355	4.87500	0.00000	1.38724
374	0.003355	5.02500	0.00000	1.38724
375	0.003355	5.17500	0.00000	1.38724
376	0.003355	5.32500	0.00000	1.38724
377	0.003355	5.47500	0.00000	1.38724
378	0.002941	5.61575	0.00000	1.38724
419	0.003905	0.07500	0.00000	5.50657
420	0.003905	0.07500	0.00000	5.41979
421	0.003905	0.07500	0.00000	5.33302
422	0.003905	0.07500	0.00000	5.24624
423	0.003905	0.07500	0.00000	5.15947
424	0.003905	0.07500	0.00000	5.07269
425	0.003905	0.07500	0.00000	4.98592

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

426	0.003905	0.07500	0.00000	4.89914
427	0.003905	0.07500	0.00000	4.81236
428	0.003905	0.07500	0.00000	4.72559
429	0.003905	0.07500	0.00000	4.63881
430	0.003905	0.07500	0.00000	4.55204
431	0.003905	0.07500	0.00000	4.46526
432	0.003905	0.07500	0.00000	4.37849
433	0.003905	0.07500	0.00000	4.29171
434	0.003905	0.07500	0.00000	4.20494
435	0.003905	0.07500	0.00000	4.11816
436	0.003905	0.07500	0.00000	4.03138
437	0.003905	0.07500	0.00000	3.94461
438	0.003905	0.07500	0.00000	3.85783
439	0.003905	0.07500	0.00000	3.77106
440	0.003905	0.07500	0.00000	3.68428
441	0.004090	0.07500	0.00000	3.59545
443	0.007625	0.07500	0.00000	3.46528
444	0.003905	0.07500	0.00000	3.33718
445	0.003905	0.07500	0.00000	3.25040
446	0.003905	0.07500	0.00000	3.16363
447	0.003905	0.07500	0.00000	3.07685
448	0.003905	0.07500	0.00000	2.99008
449	0.003905	0.07500	0.00000	2.90330
450	0.003905	0.07500	0.00000	2.81653
451	0.003905	0.07500	0.00000	2.72975
452	0.003905	0.07500	0.00000	2.64297
453	0.003905	0.07500	0.00000	2.55620
454	0.003905	0.07500	0.00000	2.46942
455	0.003423	0.07500	0.00000	2.38800
456	0.002596	0.07500	0.00000	2.32112
457	0.003905	0.07500	0.00000	2.24889
458	0.003905	0.07500	0.00000	2.16211
459	0.003905	0.07500	0.00000	2.07533
460	0.003905	0.07500	0.00000	1.98856
461	0.003905	0.07500	0.00000	1.90178
462	0.003905	0.07500	0.00000	1.81501
463	0.003905	0.07500	0.00000	1.72823
464	0.003905	0.07500	0.00000	1.64146
465	0.004415	0.07500	0.00000	1.54901
466	0.004415	0.22500	0.00000	1.54901
467	0.004415	0.37500	0.00000	1.54901
468	0.004415	0.52500	0.00000	1.54901
469	0.004415	0.67500	0.00000	1.54901
470	0.004415	0.82500	0.00000	1.54901
471	0.004415	0.97500	0.00000	1.54901
472	0.004415	1.12500	0.00000	1.54901
473	0.004415	1.27500	0.00000	1.54901
474	0.004415	1.42500	0.00000	1.54901
475	0.004415	1.57500	0.00000	1.54901
476	0.004415	1.72500	0.00000	1.54901
477	0.004415	1.87500	0.00000	1.54901
478	0.004415	2.02500	0.00000	1.54901
479	0.004415	2.17500	0.00000	1.54901
480	0.004415	2.32500	0.00000	1.54901
481	0.004415	2.47500	0.00000	1.54901
482	0.004415	2.62500	0.00000	1.54901
483	0.004415	2.77500	0.00000	1.54901
484	0.004415	2.92500	0.00000	1.54901
485	0.002596	0.22500	0.00000	2.32112
486	0.002596	0.37500	0.00000	2.32112
487	0.002596	0.52500	0.00000	2.32112
488	0.002596	0.67500	0.00000	2.32112
489	0.002596	0.82500	0.00000	2.32112
490	0.002596	0.97500	0.00000	2.32112
491	0.002596	1.12500	0.00000	2.32112
492	0.002596	1.27500	0.00000	2.32112
493	0.002596	1.42500	0.00000	2.32112
494	0.002596	1.57500	0.00000	2.32112
495	0.002596	1.72500	0.00000	2.32112

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

496	0.002596	1.87500	0.00000	2.32112
497	0.002596	2.02500	0.00000	2.32112
498	0.002596	2.17500	0.00000	2.32112
499	0.002596	2.32500	0.00000	2.32112
500	0.002596	2.47500	0.00000	2.32112
501	0.002596	2.62500	0.00000	2.32112
502	0.002596	2.77500	0.00000	2.32112
503	0.002596	2.92500	0.00000	2.32112
504	0.002596	3.07500	0.00000	2.32112
505	0.003905	0.22500	0.00000	2.24889
506	0.003905	0.37500	0.00000	2.24889
507	0.003905	0.52500	0.00000	2.24889
508	0.003905	0.67500	0.00000	2.24889
509	0.003905	0.82500	0.00000	2.24889
510	0.003905	0.97500	0.00000	2.24889
511	0.003905	1.12500	0.00000	2.24889
512	0.003905	1.27500	0.00000	2.24889
513	0.003905	1.42500	0.00000	2.24889
514	0.003905	1.57500	0.00000	2.24889
515	0.003905	1.72500	0.00000	2.24889
516	0.003905	1.87500	0.00000	2.24889
517	0.003905	2.02500	0.00000	2.24889
518	0.003905	2.17500	0.00000	2.24889
519	0.003905	2.32500	0.00000	2.24889
520	0.003905	2.47500	0.00000	2.24889
521	0.003905	2.62500	0.00000	2.24889
522	0.003905	2.77500	0.00000	2.24889
523	0.003905	2.92500	0.00000	2.24889
524	0.003905	3.07500	0.00000	2.24889
525	0.003905	0.22500	0.00000	2.16211
526	0.003905	0.37500	0.00000	2.16211
527	0.003905	0.52500	0.00000	2.16211
528	0.003905	0.67500	0.00000	2.16211
529	0.003905	0.82500	0.00000	2.16211
530	0.003905	0.97500	0.00000	2.16211
531	0.003905	1.12500	0.00000	2.16211
532	0.003905	1.27500	0.00000	2.16211
533	0.003905	1.42500	0.00000	2.16211
534	0.003905	1.57500	0.00000	2.16211
535	0.003905	1.72500	0.00000	2.16211
536	0.003905	1.87500	0.00000	2.16211
537	0.003905	2.02500	0.00000	2.16211
538	0.003905	2.17500	0.00000	2.16211
539	0.003905	2.32500	0.00000	2.16211
540	0.003905	2.47500	0.00000	2.16211
541	0.003905	2.62500	0.00000	2.16211
542	0.003905	2.77500	0.00000	2.16211
543	0.003905	2.92500	0.00000	2.16211
544	0.003905	3.07500	0.00000	2.16211
545	0.003905	0.22500	0.00000	2.07533
546	0.003905	0.37500	0.00000	2.07533
547	0.003905	0.52500	0.00000	2.07533
548	0.003905	0.67500	0.00000	2.07533
549	0.003905	0.82500	0.00000	2.07533
550	0.003905	0.97500	0.00000	2.07533
551	0.003905	1.12500	0.00000	2.07533
552	0.003905	1.27500	0.00000	2.07533
553	0.003905	1.42500	0.00000	2.07533
554	0.003905	1.57500	0.00000	2.07533
555	0.003905	1.72500	0.00000	2.07533
556	0.003905	1.87500	0.00000	2.07533
557	0.003905	2.02500	0.00000	2.07533
558	0.003905	2.17500	0.00000	2.07533
559	0.003905	2.32500	0.00000	2.07533
560	0.003905	2.47500	0.00000	2.07533
561	0.003905	2.62500	0.00000	2.07533
562	0.003905	2.77500	0.00000	2.07533
563	0.003905	2.92500	0.00000	2.07533
564	0.003905	3.07500	0.00000	2.07533



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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

565	0.003905	0.22500	0.00000	1.98856
566	0.003905	0.37500	0.00000	1.98856
567	0.003905	0.52500	0.00000	1.98856
568	0.003905	0.67500	0.00000	1.98856
569	0.003905	0.82500	0.00000	1.98856
570	0.003905	0.97500	0.00000	1.98856
571	0.003905	1.12500	0.00000	1.98856
572	0.003905	1.27500	0.00000	1.98856
573	0.003905	1.42500	0.00000	1.98856
574	0.003905	1.57500	0.00000	1.98856
575	0.003905	1.72500	0.00000	1.98856
576	0.003905	1.87500	0.00000	1.98856
577	0.003905	2.02500	0.00000	1.98856
578	0.003905	2.17500	0.00000	1.98856
579	0.003905	2.32500	0.00000	1.98856
580	0.003905	2.47500	0.00000	1.98856
581	0.003905	2.62500	0.00000	1.98856
582	0.003905	2.77500	0.00000	1.98856
583	0.003905	2.92500	0.00000	1.98856
584	0.003905	3.07500	0.00000	1.98856
585	0.003905	0.22500	0.00000	1.90178
586	0.003905	0.37500	0.00000	1.90178
587	0.003905	0.52500	0.00000	1.90178
588	0.003905	0.67500	0.00000	1.90178
589	0.003905	0.82500	0.00000	1.90178
590	0.003905	0.97500	0.00000	1.90178
591	0.003905	1.12500	0.00000	1.90178
592	0.003905	1.27500	0.00000	1.90178
593	0.003905	1.42500	0.00000	1.90178
594	0.003905	1.57500	0.00000	1.90178
595	0.003905	1.72500	0.00000	1.90178
596	0.003905	1.87500	0.00000	1.90178
597	0.003905	2.02500	0.00000	1.90178
598	0.003905	2.17500	0.00000	1.90178
599	0.003905	2.32500	0.00000	1.90178
600	0.003905	2.47500	0.00000	1.90178
601	0.003905	2.62500	0.00000	1.90178
602	0.003905	2.77500	0.00000	1.90178
603	0.003905	2.92500	0.00000	1.90178
604	0.003905	3.07500	0.00000	1.90178
605	0.003905	0.22500	0.00000	1.81501
606	0.003905	0.37500	0.00000	1.81501
607	0.003905	0.52500	0.00000	1.81501
608	0.003905	0.67500	0.00000	1.81501
609	0.003905	0.82500	0.00000	1.81501
610	0.003905	0.97500	0.00000	1.81501
611	0.003905	1.12500	0.00000	1.81501
612	0.003905	1.27500	0.00000	1.81501
613	0.003905	1.42500	0.00000	1.81501
614	0.003905	1.57500	0.00000	1.81501
615	0.003905	1.72500	0.00000	1.81501
616	0.003905	1.87500	0.00000	1.81501
617	0.003905	2.02500	0.00000	1.81501
618	0.003905	2.17500	0.00000	1.81501
619	0.003905	2.32500	0.00000	1.81501
620	0.003905	2.47500	0.00000	1.81501
621	0.003905	2.62500	0.00000	1.81501
622	0.003905	2.77500	0.00000	1.81501
623	0.003905	2.92500	0.00000	1.81501
624	0.003905	3.07500	0.00000	1.81501
625	0.003905	0.22500	0.00000	1.72823
626	0.003905	0.37500	0.00000	1.72823
627	0.003905	0.52500	0.00000	1.72823
628	0.003905	0.67500	0.00000	1.72823
629	0.003905	0.82500	0.00000	1.72823
630	0.003905	0.97500	0.00000	1.72823
631	0.003905	1.12500	0.00000	1.72823
632	0.003905	1.27500	0.00000	1.72823
633	0.003905	1.42500	0.00000	1.72823

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

634	0.003905	1.57500	0.00000	1.72823
635	0.003905	1.72500	0.00000	1.72823
636	0.003905	1.87500	0.00000	1.72823
637	0.003905	2.02500	0.00000	1.72823
638	0.003905	2.17500	0.00000	1.72823
639	0.003905	2.32500	0.00000	1.72823
640	0.003905	2.47500	0.00000	1.72823
641	0.003905	2.62500	0.00000	1.72823
642	0.003905	2.77500	0.00000	1.72823
643	0.003905	2.92500	0.00000	1.72823
644	0.003905	3.07500	0.00000	1.72823
645	0.003905	0.22500	0.00000	1.64146
646	0.003905	0.37500	0.00000	1.64146
647	0.003905	0.52500	0.00000	1.64146
648	0.003905	0.67500	0.00000	1.64146
649	0.003905	0.82500	0.00000	1.64146
650	0.003905	0.97500	0.00000	1.64146
651	0.003905	1.12500	0.00000	1.64146
652	0.003905	1.27500	0.00000	1.64146
653	0.003905	1.42500	0.00000	1.64146
654	0.003905	1.57500	0.00000	1.64146
655	0.003905	1.72500	0.00000	1.64146
656	0.003905	1.87500	0.00000	1.64146
657	0.003905	2.02500	0.00000	1.64146
658	0.003905	2.17500	0.00000	1.64146
659	0.003905	2.32500	0.00000	1.64146
660	0.003905	2.47500	0.00000	1.64146
661	0.003905	2.62500	0.00000	1.64146
662	0.003905	2.77500	0.00000	1.64146
663	0.003905	2.92500	0.00000	1.64146
664	0.003905	3.07500	0.00000	1.64146
665	0.003905	0.22500	0.00000	5.41979
666	0.003905	0.22500	0.00000	5.33302
667	0.003905	0.22500	0.00000	5.24624
668	0.003905	0.22500	0.00000	5.15947
669	0.003905	0.22500	0.00000	5.07269
670	0.003905	0.22500	0.00000	4.98592
671	0.003905	0.22500	0.00000	4.89914
672	0.003905	0.22500	0.00000	4.81236
673	0.003905	0.22500	0.00000	4.72559
674	0.003905	0.22500	0.00000	4.63881
675	0.003905	0.22500	0.00000	4.55204
676	0.003905	0.22500	0.00000	4.46526
677	0.003905	0.22500	0.00000	4.37849
678	0.003905	0.22500	0.00000	4.29171
679	0.003905	0.22500	0.00000	4.20494
680	0.003905	0.22500	0.00000	4.11816
681	0.003905	0.22500	0.00000	4.03138
682	0.003905	0.22500	0.00000	3.94461
683	0.003905	0.22500	0.00000	3.85783
684	0.003905	0.22500	0.00000	3.77106
685	0.003905	0.22500	0.00000	3.68428
686	0.004090	0.22500	0.00000	3.59545
688	0.007625	0.22500	0.00000	3.46528
689	0.003905	0.22500	0.00000	3.33718
690	0.003905	0.22500	0.00000	3.25040
691	0.003905	0.22500	0.00000	3.16363
692	0.003905	0.22500	0.00000	3.07685
693	0.003905	0.22500	0.00000	2.99008
694	0.003905	0.22500	0.00000	2.90330
695	0.003905	0.22500	0.00000	2.81653
696	0.003905	0.22500	0.00000	2.72975
697	0.003905	0.22500	0.00000	2.64297
698	0.003905	0.22500	0.00000	2.55620
699	0.003905	0.22500	0.00000	2.46942
700	0.003423	0.22500	0.00000	2.38800
701	0.003905	0.37500	0.00000	5.33302
702	0.003905	0.37500	0.00000	5.24624
703	0.003905	0.37500	0.00000	5.15947

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

704	0.003905	0.37500	0.00000	5.07269
705	0.003905	0.37500	0.00000	4.98592
706	0.003905	0.37500	0.00000	4.89914
707	0.003905	0.37500	0.00000	4.81236
708	0.003905	0.37500	0.00000	4.72559
709	0.003905	0.37500	0.00000	4.63881
710	0.003905	0.37500	0.00000	4.55204
711	0.003905	0.37500	0.00000	4.46526
712	0.003905	0.37500	0.00000	4.37849
713	0.003905	0.37500	0.00000	4.29171
714	0.003905	0.37500	0.00000	4.20494
715	0.003905	0.37500	0.00000	4.11816
716	0.003905	0.37500	0.00000	4.03138
717	0.003905	0.37500	0.00000	3.94461
718	0.003905	0.37500	0.00000	3.85783
719	0.003905	0.37500	0.00000	3.77106
720	0.003905	0.37500	0.00000	3.68428
721	0.004090	0.37500	0.00000	3.59545
723	0.007625	0.37500	0.00000	3.46528
724	0.003905	0.37500	0.00000	3.33718
725	0.003905	0.37500	0.00000	3.25040
726	0.003905	0.37500	0.00000	3.16363
727	0.003905	0.37500	0.00000	3.07685
728	0.003905	0.37500	0.00000	2.99008
729	0.003905	0.37500	0.00000	2.90330
730	0.003905	0.37500	0.00000	2.81653
731	0.003905	0.37500	0.00000	2.72975
732	0.003905	0.37500	0.00000	2.64297
733	0.003905	0.37500	0.00000	2.55620
734	0.003905	0.37500	0.00000	2.46942
735	0.003423	0.37500	0.00000	2.38800
736	0.003905	0.52500	0.00000	5.24624
737	0.003905	0.52500	0.00000	5.15947
738	0.003905	0.52500	0.00000	5.07269
739	0.003905	0.52500	0.00000	4.98592
740	0.003905	0.52500	0.00000	4.89914
741	0.003905	0.52500	0.00000	4.81236
742	0.003905	0.52500	0.00000	4.72559
743	0.003905	0.52500	0.00000	4.63881
744	0.003905	0.52500	0.00000	4.55204
745	0.003905	0.52500	0.00000	4.46526
746	0.003905	0.52500	0.00000	4.37849
747	0.003905	0.52500	0.00000	4.29171
748	0.003905	0.52500	0.00000	4.20494
749	0.003905	0.52500	0.00000	4.11816
750	0.003905	0.52500	0.00000	4.03138
751	0.003905	0.52500	0.00000	3.94461
752	0.003905	0.52500	0.00000	3.85783
753	0.003905	0.52500	0.00000	3.77106
754	0.003905	0.52500	0.00000	3.68428
755	0.004090	0.52500	0.00000	3.59545
757	0.007625	0.52500	0.00000	3.46528
758	0.003905	0.52500	0.00000	3.33718
759	0.003905	0.52500	0.00000	3.25040
760	0.003905	0.52500	0.00000	3.16363
761	0.003905	0.52500	0.00000	3.07685
762	0.003905	0.52500	0.00000	2.99008
763	0.003905	0.52500	0.00000	2.90330
764	0.003905	0.52500	0.00000	2.81653
765	0.003905	0.52500	0.00000	2.72975
766	0.003905	0.52500	0.00000	2.64297
767	0.003905	0.52500	0.00000	2.55620
768	0.003905	0.52500	0.00000	2.46942
769	0.003423	0.52500	0.00000	2.38800
770	0.003905	0.67500	0.00000	5.15947
771	0.003905	0.67500	0.00000	5.07269
772	0.003905	0.67500	0.00000	4.98592
773	0.003905	0.67500	0.00000	4.89914
774	0.003905	0.67500	0.00000	4.81236

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

775	0.003905	0.67500	0.00000	4.72559
776	0.003905	0.67500	0.00000	4.63881
777	0.003905	0.67500	0.00000	4.55204
778	0.003905	0.67500	0.00000	4.46526
779	0.003905	0.67500	0.00000	4.37849
780	0.003905	0.67500	0.00000	4.29171
781	0.003905	0.67500	0.00000	4.20494
782	0.003905	0.67500	0.00000	4.11816
783	0.003905	0.67500	0.00000	4.03138
784	0.003905	0.67500	0.00000	3.94461
785	0.003905	0.67500	0.00000	3.85783
786	0.003905	0.67500	0.00000	3.77106
787	0.003905	0.67500	0.00000	3.68428
788	0.004090	0.67500	0.00000	3.59545
790	0.007625	0.67500	0.00000	3.46528
791	0.003905	0.67500	0.00000	3.33718
792	0.003905	0.67500	0.00000	3.25040
793	0.003905	0.67500	0.00000	3.16363
794	0.003905	0.67500	0.00000	3.07685
795	0.003905	0.67500	0.00000	2.99008
796	0.003905	0.67500	0.00000	2.90330
797	0.003905	0.67500	0.00000	2.81653
798	0.003905	0.67500	0.00000	2.72975
799	0.003905	0.67500	0.00000	2.64297
800	0.003905	0.67500	0.00000	2.55620
801	0.003905	0.67500	0.00000	2.46942
802	0.003423	0.67500	0.00000	2.38800
803	0.003905	0.82500	0.00000	5.07269
804	0.003905	0.82500	0.00000	4.98592
805	0.003905	0.82500	0.00000	4.89914
806	0.003905	0.82500	0.00000	4.81236
807	0.003905	0.82500	0.00000	4.72559
808	0.003905	0.82500	0.00000	4.63881
809	0.003905	0.82500	0.00000	4.55204
810	0.003905	0.82500	0.00000	4.46526
811	0.003905	0.82500	0.00000	4.37849
812	0.003905	0.82500	0.00000	4.29171
813	0.003905	0.82500	0.00000	4.20494
814	0.003905	0.82500	0.00000	4.11816
815	0.003905	0.82500	0.00000	4.03138
816	0.003905	0.82500	0.00000	3.94461
817	0.003905	0.82500	0.00000	3.85783
818	0.003905	0.82500	0.00000	3.77106
819	0.003905	0.82500	0.00000	3.68428
820	0.004090	0.82500	0.00000	3.59545
822	0.007625	0.82500	0.00000	3.46528
823	0.003905	0.82500	0.00000	3.33718
824	0.003905	0.82500	0.00000	3.25040
825	0.003905	0.82500	0.00000	3.16363
826	0.003905	0.82500	0.00000	3.07685
827	0.003905	0.82500	0.00000	2.99008
828	0.003905	0.82500	0.00000	2.90330
829	0.003905	0.82500	0.00000	2.81653
830	0.003905	0.82500	0.00000	2.72975
831	0.003905	0.82500	0.00000	2.64297
832	0.003905	0.82500	0.00000	2.55620
833	0.003905	0.82500	0.00000	2.46942
834	0.003423	0.82500	0.00000	2.38800
835	0.003905	0.97500	0.00000	4.98592
836	0.003905	0.97500	0.00000	4.89914
837	0.003905	0.97500	0.00000	4.81236
838	0.003905	0.97500	0.00000	4.72559
839	0.003905	0.97500	0.00000	4.63881
840	0.003905	0.97500	0.00000	4.55204
841	0.003905	0.97500	0.00000	4.46526
842	0.003905	0.97500	0.00000	4.37849
843	0.003905	0.97500	0.00000	4.29171
844	0.003905	0.97500	0.00000	4.20494
845	0.003905	0.97500	0.00000	4.11816

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

846	0.003905	0.97500	0.00000	4.03138
847	0.003905	0.97500	0.00000	3.94461
848	0.003905	0.97500	0.00000	3.85783
849	0.003905	0.97500	0.00000	3.77106
850	0.003905	0.97500	0.00000	3.68428
851	0.004090	0.97500	0.00000	3.59545
853	0.007625	0.97500	0.00000	3.46528
854	0.003905	0.97500	0.00000	3.33718
855	0.003905	0.97500	0.00000	3.25040
856	0.003905	0.97500	0.00000	3.16363
857	0.003905	0.97500	0.00000	3.07685
858	0.003905	0.97500	0.00000	2.99008
859	0.003905	0.97500	0.00000	2.90330
860	0.003905	0.97500	0.00000	2.81653
861	0.003905	0.97500	0.00000	2.72975
862	0.003905	0.97500	0.00000	2.64297
863	0.003905	0.97500	0.00000	2.55620
864	0.003905	0.97500	0.00000	2.46942
865	0.003423	0.97500	0.00000	2.38800
866	0.003905	1.12500	0.00000	4.89914
867	0.003905	1.12500	0.00000	4.81236
868	0.003905	1.12500	0.00000	4.72559
869	0.003905	1.12500	0.00000	4.63881
870	0.003905	1.12500	0.00000	4.55204
871	0.003905	1.12500	0.00000	4.46526
872	0.003905	1.12500	0.00000	4.37849
873	0.003905	1.12500	0.00000	4.29171
874	0.003905	1.12500	0.00000	4.20494
875	0.003905	1.12500	0.00000	4.11816
876	0.003905	1.12500	0.00000	4.03138
877	0.003905	1.12500	0.00000	3.94461
878	0.003905	1.12500	0.00000	3.85783
879	0.003905	1.12500	0.00000	3.77106
880	0.003905	1.12500	0.00000	3.68428
881	0.004090	1.12500	0.00000	3.59545
883	0.007625	1.12500	0.00000	3.46528
884	0.003905	1.12500	0.00000	3.33718
885	0.003905	1.12500	0.00000	3.25040
886	0.003905	1.12500	0.00000	3.16363
887	0.003905	1.12500	0.00000	3.07685
888	0.003905	1.12500	0.00000	2.99008
889	0.003905	1.12500	0.00000	2.90330
890	0.003905	1.12500	0.00000	2.81653
891	0.003905	1.12500	0.00000	2.72975
892	0.003905	1.12500	0.00000	2.64297
893	0.003905	1.12500	0.00000	2.55620
894	0.003905	1.12500	0.00000	2.46942
895	0.003423	1.12500	0.00000	2.38800
896	0.003905	1.27500	0.00000	4.81236
897	0.003905	1.27500	0.00000	4.72559
898	0.003905	1.27500	0.00000	4.63881
899	0.003905	1.27500	0.00000	4.55204
900	0.003905	1.27500	0.00000	4.46526
901	0.003905	1.27500	0.00000	4.37849
902	0.003905	1.27500	0.00000	4.29171
903	0.003905	1.27500	0.00000	4.20494
904	0.003905	1.27500	0.00000	4.11816
905	0.003905	1.27500	0.00000	4.03138
906	0.003905	1.27500	0.00000	3.94461
907	0.003905	1.27500	0.00000	3.85783
908	0.003905	1.27500	0.00000	3.77106
909	0.003905	1.27500	0.00000	3.68428
910	0.004090	1.27500	0.00000	3.59545
912	0.007625	1.27500	0.00000	3.46528
913	0.003905	1.27500	0.00000	3.33718
914	0.003905	1.27500	0.00000	3.25040
915	0.003905	1.27500	0.00000	3.16363
916	0.003905	1.27500	0.00000	3.07685
917	0.003905	1.27500	0.00000	2.99008

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

918	0.003905	1.27500	0.00000	2.90330
919	0.003905	1.27500	0.00000	2.81653
920	0.003905	1.27500	0.00000	2.72975
921	0.003905	1.27500	0.00000	2.64297
922	0.003905	1.27500	0.00000	2.55620
923	0.003905	1.27500	0.00000	2.46942
924	0.003423	1.27500	0.00000	2.38800
925	0.003905	1.42500	0.00000	4.72559
926	0.003905	1.42500	0.00000	4.63881
927	0.003905	1.42500	0.00000	4.55204
928	0.003905	1.42500	0.00000	4.46526
929	0.003905	1.42500	0.00000	4.37849
930	0.003905	1.42500	0.00000	4.29171
931	0.003905	1.42500	0.00000	4.20494
932	0.003905	1.42500	0.00000	4.11816
933	0.003905	1.42500	0.00000	4.03138
934	0.003905	1.42500	0.00000	3.94461
935	0.003905	1.42500	0.00000	3.85783
936	0.003905	1.42500	0.00000	3.77106
937	0.003905	1.42500	0.00000	3.68428
938	0.004090	1.42500	0.00000	3.59545
940	0.007625	1.42500	0.00000	3.46528
941	0.003905	1.42500	0.00000	3.33718
942	0.003905	1.42500	0.00000	3.25040
943	0.003905	1.42500	0.00000	3.16363
944	0.003905	1.42500	0.00000	3.07685
945	0.003905	1.42500	0.00000	2.99008
946	0.003905	1.42500	0.00000	2.90330
947	0.003905	1.42500	0.00000	2.81653
948	0.003905	1.42500	0.00000	2.72975
949	0.003905	1.42500	0.00000	2.64297
950	0.003905	1.42500	0.00000	2.55620
951	0.003905	1.42500	0.00000	2.46942
952	0.003423	1.42500	0.00000	2.38800
953	0.003905	1.57500	0.00000	4.63881
954	0.003905	1.57500	0.00000	4.55204
955	0.003905	1.57500	0.00000	4.46526
956	0.003905	1.57500	0.00000	4.37849
957	0.003905	1.57500	0.00000	4.29171
958	0.003905	1.57500	0.00000	4.20494
959	0.003905	1.57500	0.00000	4.11816
960	0.003905	1.57500	0.00000	4.03138
961	0.003905	1.57500	0.00000	3.94461
962	0.003905	1.57500	0.00000	3.85783
963	0.003905	1.57500	0.00000	3.77106
964	0.003905	1.57500	0.00000	3.68428
965	0.004090	1.57500	0.00000	3.59545
967	0.007625	1.57500	0.00000	3.46528
968	0.003905	1.57500	0.00000	3.33718
969	0.003905	1.57500	0.00000	3.25040
970	0.003905	1.57500	0.00000	3.16363
971	0.003905	1.57500	0.00000	3.07685
972	0.003905	1.57500	0.00000	2.99008
973	0.003905	1.57500	0.00000	2.90330
974	0.003905	1.57500	0.00000	2.81653
975	0.003905	1.57500	0.00000	2.72975
976	0.003905	1.57500	0.00000	2.64297
977	0.003905	1.57500	0.00000	2.55620
978	0.003905	1.57500	0.00000	2.46942
979	0.003423	1.57500	0.00000	2.38800
980	0.003905	1.72500	0.00000	4.55204
981	0.003905	1.72500	0.00000	4.46526
982	0.003905	1.72500	0.00000	4.37849
983	0.003905	1.72500	0.00000	4.29171
984	0.003905	1.72500	0.00000	4.20494
985	0.003905	1.72500	0.00000	4.11816
986	0.003905	1.72500	0.00000	4.03138
987	0.003905	1.72500	0.00000	3.94461
988	0.003905	1.72500	0.00000	3.85783

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

989	0.003905	1.72500	0.00000	3.77106
990	0.003905	1.72500	0.00000	3.68428
991	0.004090	1.72500	0.00000	3.59545
993	0.007625	1.72500	0.00000	3.46528
994	0.003905	1.72500	0.00000	3.33718
995	0.003905	1.72500	0.00000	3.25040
996	0.003905	1.72500	0.00000	3.16363
997	0.003905	1.72500	0.00000	3.07685
998	0.003905	1.72500	0.00000	2.99008
999	0.003905	1.72500	0.00000	2.90330
1000	0.003905	1.72500	0.00000	2.81653
1001	0.003905	1.72500	0.00000	2.72975
1002	0.003905	1.72500	0.00000	2.64297
1003	0.003905	1.72500	0.00000	2.55620
1004	0.003905	1.72500	0.00000	2.46942
1005	0.003423	1.72500	0.00000	2.38800
1006	0.003905	1.87500	0.00000	4.46526
1007	0.003905	1.87500	0.00000	4.37849
1008	0.003905	1.87500	0.00000	4.29171
1009	0.003905	1.87500	0.00000	4.20494
1010	0.003905	1.87500	0.00000	4.11816
1011	0.003905	1.87500	0.00000	4.03138
1012	0.003905	1.87500	0.00000	3.94461
1013	0.003905	1.87500	0.00000	3.85783
1014	0.003905	1.87500	0.00000	3.77106
1015	0.003905	1.87500	0.00000	3.68428
1016	0.004090	1.87500	0.00000	3.59545
1018	0.007625	1.87500	0.00000	3.46528
1019	0.003905	1.87500	0.00000	3.33718
1020	0.003905	1.87500	0.00000	3.25040
1021	0.003905	1.87500	0.00000	3.16363
1022	0.003905	1.87500	0.00000	3.07685
1023	0.003905	1.87500	0.00000	2.99008
1024	0.003905	1.87500	0.00000	2.90330
1025	0.003905	1.87500	0.00000	2.81653
1026	0.003905	1.87500	0.00000	2.72975
1027	0.003905	1.87500	0.00000	2.64297
1028	0.003905	1.87500	0.00000	2.55620
1029	0.003905	1.87500	0.00000	2.46942
1030	0.003423	1.87500	0.00000	2.38800
1031	0.003905	2.02500	0.00000	4.37849
1032	0.003905	2.02500	0.00000	4.29171
1033	0.003905	2.02500	0.00000	4.20494
1034	0.003905	2.02500	0.00000	4.11816
1035	0.003905	2.02500	0.00000	4.03138
1036	0.003905	2.02500	0.00000	3.94461
1037	0.003905	2.02500	0.00000	3.85783
1038	0.003905	2.02500	0.00000	3.77106
1039	0.003905	2.02500	0.00000	3.68428
1040	0.004090	2.02500	0.00000	3.59545
1042	0.007625	2.02500	0.00000	3.46528
1043	0.003905	2.02500	0.00000	3.33718
1044	0.003905	2.02500	0.00000	3.25040
1045	0.003905	2.02500	0.00000	3.16363
1046	0.003905	2.02500	0.00000	3.07685
1047	0.003905	2.02500	0.00000	2.99008
1048	0.003905	2.02500	0.00000	2.90330
1049	0.003905	2.02500	0.00000	2.81653
1050	0.003905	2.02500	0.00000	2.72975
1051	0.003905	2.02500	0.00000	2.64297
1052	0.003905	2.02500	0.00000	2.55620
1053	0.003905	2.02500	0.00000	2.46942
1054	0.003423	2.02500	0.00000	2.38800
1055	0.003905	2.17500	0.00000	4.29171
1056	0.003905	2.17500	0.00000	4.20494
1057	0.003905	2.17500	0.00000	4.11816
1058	0.003905	2.17500	0.00000	4.03138
1059	0.003905	2.17500	0.00000	3.94461
1060	0.003905	2.17500	0.00000	3.85783

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1061	0.003905	2.17500	0.00000	3.77106
1062	0.003905	2.17500	0.00000	3.68428
1063	0.004090	2.17500	0.00000	3.59545
1065	0.007625	2.17500	0.00000	3.46528
1066	0.003905	2.17500	0.00000	3.33718
1067	0.003905	2.17500	0.00000	3.25040
1068	0.003905	2.17500	0.00000	3.16363
1069	0.003905	2.17500	0.00000	3.07685
1070	0.003905	2.17500	0.00000	2.99008
1071	0.003905	2.17500	0.00000	2.90330
1072	0.003905	2.17500	0.00000	2.81653
1073	0.003905	2.17500	0.00000	2.72975
1074	0.003905	2.17500	0.00000	2.64297
1075	0.003905	2.17500	0.00000	2.55620
1076	0.003905	2.17500	0.00000	2.46942
1077	0.003423	2.17500	0.00000	2.38800
1078	0.003905	2.32500	0.00000	4.20494
1079	0.003905	2.32500	0.00000	4.11816
1080	0.003905	2.32500	0.00000	4.03138
1081	0.003905	2.32500	0.00000	3.94461
1082	0.003905	2.32500	0.00000	3.85783
1083	0.003905	2.32500	0.00000	3.77106
1084	0.003905	2.32500	0.00000	3.68428
1085	0.004090	2.32500	0.00000	3.59545
1087	0.007625	2.32500	0.00000	3.46528
1088	0.003905	2.32500	0.00000	3.33718
1089	0.003905	2.32500	0.00000	3.25040
1090	0.003905	2.32500	0.00000	3.16363
1091	0.003905	2.32500	0.00000	3.07685
1092	0.003905	2.32500	0.00000	2.99008
1093	0.003905	2.32500	0.00000	2.90330
1094	0.003905	2.32500	0.00000	2.81653
1095	0.003905	2.32500	0.00000	2.72975
1096	0.003905	2.32500	0.00000	2.64297
1097	0.003905	2.32500	0.00000	2.55620
1098	0.003905	2.32500	0.00000	2.46942
1099	0.003423	2.32500	0.00000	2.38800
1100	0.003905	2.47500	0.00000	4.11816
1101	0.003905	2.47500	0.00000	4.03138
1102	0.003905	2.47500	0.00000	3.94461
1103	0.003905	2.47500	0.00000	3.85783
1104	0.003905	2.47500	0.00000	3.77106
1105	0.003905	2.47500	0.00000	3.68428
1106	0.004090	2.47500	0.00000	3.59545
1108	0.007625	2.47500	0.00000	3.46528
1109	0.003905	2.47500	0.00000	3.33718
1110	0.003905	2.47500	0.00000	3.25040
1111	0.003905	2.47500	0.00000	3.16363
1112	0.003905	2.47500	0.00000	3.07685
1113	0.003905	2.47500	0.00000	2.99008
1114	0.003905	2.47500	0.00000	2.90330
1115	0.003905	2.47500	0.00000	2.81653
1116	0.003905	2.47500	0.00000	2.72975
1117	0.003905	2.47500	0.00000	2.64297
1118	0.003905	2.47500	0.00000	2.55620
1119	0.003905	2.47500	0.00000	2.46942
1120	0.003423	2.47500	0.00000	2.38800
1121	0.003905	2.62500	0.00000	4.03138
1122	0.003905	2.62500	0.00000	3.94461
1123	0.003905	2.62500	0.00000	3.85783
1124	0.003905	2.62500	0.00000	3.77106
1125	0.003905	2.62500	0.00000	3.68428
1126	0.004090	2.62500	0.00000	3.59545
1128	0.007625	2.62500	0.00000	3.46528
1129	0.003905	2.62500	0.00000	3.33718
1130	0.003905	2.62500	0.00000	3.25040
1131	0.003905	2.62500	0.00000	3.16363
1132	0.003905	2.62500	0.00000	3.07685
1133	0.003905	2.62500	0.00000	2.99008



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1134	0.003905	2.62500	0.00000	2.90330
1135	0.003905	2.62500	0.00000	2.81653
1136	0.003905	2.62500	0.00000	2.72975
1137	0.003905	2.62500	0.00000	2.64297
1138	0.003905	2.62500	0.00000	2.55620
1139	0.003905	2.62500	0.00000	2.46942
1140	0.003423	2.62500	0.00000	2.38800
1141	0.003905	2.77500	0.00000	3.94461
1142	0.003905	2.77500	0.00000	3.85783
1143	0.003905	2.77500	0.00000	3.77106
1144	0.003905	2.77500	0.00000	3.68428
1145	0.004090	2.77500	0.00000	3.59545
1147	0.007625	2.77500	0.00000	3.46528
1148	0.003905	2.77500	0.00000	3.33718
1149	0.003905	2.77500	0.00000	3.25040
1150	0.003905	2.77500	0.00000	3.16363
1151	0.003905	2.77500	0.00000	3.07685
1152	0.003905	2.77500	0.00000	2.99008
1153	0.003905	2.77500	0.00000	2.90330
1154	0.003905	2.77500	0.00000	2.81653
1155	0.003905	2.77500	0.00000	2.72975
1156	0.003905	2.77500	0.00000	2.64297
1157	0.003905	2.77500	0.00000	2.55620
1158	0.003905	2.77500	0.00000	2.46942
1159	0.003423	2.77500	0.00000	2.38800
1160	0.003905	2.92500	0.00000	3.85783
1161	0.003905	2.92500	0.00000	3.77106
1162	0.003905	2.92500	0.00000	3.68428
1163	0.004090	2.92500	0.00000	3.59545
1165	0.007625	2.92500	0.00000	3.46528
1166	0.003905	2.92500	0.00000	3.33718
1167	0.003905	2.92500	0.00000	3.25040
1168	0.003905	2.92500	0.00000	3.16363
1169	0.003905	2.92500	0.00000	3.07685
1170	0.003905	2.92500	0.00000	2.99008
1171	0.003905	2.92500	0.00000	2.90330
1172	0.003905	2.92500	0.00000	2.81653
1173	0.003905	2.92500	0.00000	2.72975
1174	0.003905	2.92500	0.00000	2.64297
1175	0.003905	2.92500	0.00000	2.55620
1176	0.003905	2.92500	0.00000	2.46942
1177	0.003423	2.92500	0.00000	2.38800
1178	0.003905	3.07500	0.00000	3.77106
1179	0.003905	3.07500	0.00000	3.68428
1180	0.004090	3.07500	0.00000	3.59545
1182	0.007625	3.07500	0.00000	3.46528
1183	0.003905	3.07500	0.00000	3.33718
1184	0.003905	3.07500	0.00000	3.25040
1185	0.003905	3.07500	0.00000	3.16363
1186	0.003905	3.07500	0.00000	3.07685
1187	0.003905	3.07500	0.00000	2.99008
1188	0.003905	3.07500	0.00000	2.90330
1189	0.003905	3.07500	0.00000	2.81653
1190	0.003905	3.07500	0.00000	2.72975
1191	0.003905	3.07500	0.00000	2.64297
1192	0.003905	3.07500	0.00000	2.55620
1193	0.003905	3.07500	0.00000	2.46942
1194	0.003423	3.07500	0.00000	2.38800
1195	0.003905	3.22500	0.00000	3.68428
1196	0.004090	3.22500	0.00000	3.59545
1198	0.007625	3.22500	0.00000	3.46528
1199	0.003905	3.22500	0.00000	3.33718
1200	0.003905	3.22500	0.00000	3.25040
1201	0.003905	3.22500	0.00000	3.16363
1202	0.003905	3.22500	0.00000	3.07685
1203	0.003905	3.22500	0.00000	2.99008
1204	0.003905	3.22500	0.00000	2.90330
1205	0.003905	3.22500	0.00000	2.81653
1206	0.003905	3.22500	0.00000	2.72975

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1207	0.003905	3.22500	0.00000	2.64297
1208	0.003905	3.22500	0.00000	2.55620
1209	0.003905	3.22500	0.00000	2.46942
1210	0.003423	3.22500	0.00000	2.38800
1211	0.004090	3.37500	0.00000	3.59545
1213	0.007625	3.37500	0.00000	3.46528
1214	0.003905	3.37500	0.00000	3.33718
1215	0.003905	3.37500	0.00000	3.25040
1216	0.003905	3.37500	0.00000	3.16363
1217	0.003905	3.37500	0.00000	3.07685
1218	0.003905	3.37500	0.00000	2.99008
1219	0.003905	3.37500	0.00000	2.90330
1220	0.003905	3.37500	0.00000	2.81653
1221	0.003905	3.37500	0.00000	2.72975
1222	0.003905	3.37500	0.00000	2.64297
1223	0.003905	3.37500	0.00000	2.55620
1224	0.003905	3.37500	0.00000	2.46942
1225	0.003423	3.37500	0.00000	2.38800
1227	0.007717	3.52530	0.00000	3.46632
1228	0.003905	3.52500	0.00000	3.33718
1229	0.003905	3.52500	0.00000	3.25040
1230	0.003905	3.52500	0.00000	3.16363
1231	0.003905	3.52500	0.00000	3.07685
1232	0.003905	3.52500	0.00000	2.99008
1233	0.003905	3.52500	0.00000	2.90330
1234	0.003905	3.52500	0.00000	2.81653
1235	0.003905	3.52500	0.00000	2.72975
1236	0.003905	3.52500	0.00000	2.64297
1237	0.003905	3.52500	0.00000	2.55620
1238	0.003905	3.52500	0.00000	2.46942
1239	0.003423	3.52500	0.00000	2.38800
1240	0.005391	3.66049	0.00000	3.44830
1241	0.003905	3.67500	0.00000	3.33718
1242	0.003905	3.67500	0.00000	3.25040
1243	0.003905	3.67500	0.00000	3.16363
1244	0.003905	3.67500	0.00000	3.07685
1245	0.003905	3.67500	0.00000	2.99008
1246	0.003905	3.67500	0.00000	2.90330
1247	0.003905	3.67500	0.00000	2.81653
1248	0.003905	3.67500	0.00000	2.72975
1249	0.003905	3.67500	0.00000	2.64297
1250	0.003905	3.67500	0.00000	2.55620
1251	0.003905	3.67500	0.00000	2.46942
1252	0.003423	3.67500	0.00000	2.38800
1253	0.003905	3.82500	0.00000	3.33718
1254	0.003905	3.82500	0.00000	3.25040
1255	0.003905	3.82500	0.00000	3.16363
1256	0.003905	3.82500	0.00000	3.07685
1257	0.003905	3.82500	0.00000	2.99008
1258	0.003905	3.82500	0.00000	2.90330
1259	0.003905	3.82500	0.00000	2.81653
1260	0.003905	3.82500	0.00000	2.72975
1261	0.003905	3.82500	0.00000	2.64297
1262	0.003905	3.82500	0.00000	2.55620
1263	0.003905	3.82500	0.00000	2.46942
1264	0.003423	3.82500	0.00000	2.38800
1265	0.003905	3.97500	0.00000	3.25040
1266	0.003905	3.97500	0.00000	3.16363
1267	0.003905	3.97500	0.00000	3.07685
1268	0.003905	3.97500	0.00000	2.99008
1269	0.003905	3.97500	0.00000	2.90330
1270	0.003905	3.97500	0.00000	2.81653
1271	0.003905	3.97500	0.00000	2.72975
1272	0.003905	3.97500	0.00000	2.64297
1273	0.003905	3.97500	0.00000	2.55620
1274	0.003905	3.97500	0.00000	2.46942
1275	0.003423	3.97500	0.00000	2.38800
1276	0.003905	4.12500	0.00000	3.16363
1277	0.003905	4.12500	0.00000	3.07685

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1278	0.003905	4.12500	0.00000	2.99008
1279	0.003905	4.12500	0.00000	2.90330
1280	0.003905	4.12500	0.00000	2.81653
1281	0.003905	4.12500	0.00000	2.72975
1282	0.003905	4.12500	0.00000	2.64297
1283	0.003905	4.12500	0.00000	2.55620
1284	0.003905	4.12500	0.00000	2.46942
1285	0.003423	4.12500	0.00000	2.38800
1286	0.003905	4.27500	0.00000	3.07685
1287	0.003905	4.27500	0.00000	2.99008
1288	0.003905	4.27500	0.00000	2.90330
1289	0.003905	4.27500	0.00000	2.81653
1290	0.003905	4.27500	0.00000	2.72975
1291	0.003905	4.27500	0.00000	2.64297
1292	0.003905	4.27500	0.00000	2.55620
1293	0.003905	4.27500	0.00000	2.46942
1294	0.003423	4.27500	0.00000	2.38800
1295	0.003905	4.42500	0.00000	2.99008
1296	0.003905	4.42500	0.00000	2.90330
1297	0.003905	4.42500	0.00000	2.81653
1298	0.003905	4.42500	0.00000	2.72975
1299	0.003905	4.42500	0.00000	2.64297
1300	0.003905	4.42500	0.00000	2.55620
1301	0.003905	4.42500	0.00000	2.46942
1302	0.003423	4.42500	0.00000	2.38800
1303	0.003905	4.57500	0.00000	2.90330
1304	0.003905	4.57500	0.00000	2.81653
1305	0.003905	4.57500	0.00000	2.72975
1306	0.003905	4.57500	0.00000	2.64297
1307	0.003905	4.57500	0.00000	2.55620
1308	0.003905	4.57500	0.00000	2.46942
1309	0.003423	4.57500	0.00000	2.38800
1310	0.003905	4.72500	0.00000	2.81653
1311	0.003905	4.72500	0.00000	2.72975
1312	0.003905	4.72500	0.00000	2.64297
1313	0.003905	4.72500	0.00000	2.55620
1314	0.003905	4.72500	0.00000	2.46942
1315	0.003423	4.72500	0.00000	2.38800
1316	0.003905	4.87500	0.00000	2.72975
1317	0.003905	4.87500	0.00000	2.64297
1318	0.003905	4.87500	0.00000	2.55620
1319	0.003905	4.87500	0.00000	2.46942
1320	0.003423	4.87500	0.00000	2.38800
1321	0.003905	5.02500	0.00000	2.64297
1322	0.003905	5.02500	0.00000	2.55620
1323	0.003905	5.02500	0.00000	2.46942
1324	0.003423	5.02500	0.00000	2.38800
1325	0.003905	5.17500	0.00000	2.55620
1326	0.003905	5.17500	0.00000	2.46942
1327	0.003423	5.17500	0.00000	2.38800
1328	0.003905	5.32500	0.00000	2.46942
1329	0.003423	5.32500	0.00000	2.38800
1330	0.003423	5.47500	0.00000	2.38800
1331	0.001501	5.59384	0.00000	2.37532
1332	0.001952	5.45000	0.00000	2.45496
1333	0.001952	5.30000	0.00000	2.54174
1334	0.001952	5.15000	0.00000	2.62851
1335	0.001952	5.00000	0.00000	2.71529
1336	0.001952	4.85000	0.00000	2.80206
1337	0.001952	4.70000	0.00000	2.88884
1338	0.001952	4.55000	0.00000	2.97561
1339	0.001952	4.40000	0.00000	3.06239
1340	0.001952	4.25000	0.00000	3.14917
1341	0.001952	4.10000	0.00000	3.23594
1342	0.001952	3.95000	0.00000	3.32272
1343	0.002419	3.78806	0.00000	3.41640
1345	0.002045	3.50000	0.00000	3.58167
1346	0.001952	3.35000	0.00000	3.66982
1347	0.001952	3.20000	0.00000	3.75659

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1348	0.001952	3.05000	0.00000	3.84337
1349	0.001952	2.90000	0.00000	3.93015
1350	0.001952	2.75000	0.00000	4.01692
1351	0.001952	2.60000	0.00000	4.10370
1352	0.001952	2.45000	0.00000	4.19047
1353	0.001952	2.30000	0.00000	4.27725
1354	0.001952	2.15000	0.00000	4.36402
1355	0.001952	2.00000	0.00000	4.45080
1356	0.001952	1.85000	0.00000	4.53758
1357	0.001952	1.70000	0.00000	4.62435
1358	0.001952	1.55000	0.00000	4.71113
1359	0.001952	1.40000	0.00000	4.79790
1360	0.001952	1.25000	0.00000	4.88468
1361	0.001952	1.10000	0.00000	4.97145
1362	0.001952	0.95000	0.00000	5.05823
1363	0.001952	0.80000	0.00000	5.14500
1364	0.001952	0.65000	0.00000	5.23178
1365	0.001952	0.50000	0.00000	5.31856
1366	0.001952	0.35000	0.00000	5.40533
1367	0.001952	0.20000	0.00000	5.49211
1368	0.000863	7.73353	0.00000	2.31150
1369	0.001952	7.85000	0.00000	2.23442
1370	0.001952	8.00000	0.00000	2.14765
1371	0.001952	8.15000	0.00000	2.06087
1372	0.001952	8.30000	0.00000	1.97410
1373	0.001952	8.45000	0.00000	1.88732
1374	0.001952	8.60000	0.00000	1.80054
1375	0.001952	8.75000	0.00000	1.71377
1376	0.001952	8.90000	0.00000	1.62699
1377	0.001952	9.05000	0.00000	1.54022
1378	0.001952	9.20000	0.00000	1.45344
1379	0.001441	9.34296	0.00000	1.37481
1390	0.003355	9.22500	0.00000	1.38724
1540	0.002596	7.75014	0.00000	2.24889
1541	0.002596	7.75014	0.00000	2.16211
1542	0.002596	7.75014	0.00000	2.07533
1543	0.002596	7.75014	0.00000	1.98856
1544	0.002596	7.75014	0.00000	1.90178
1545	0.002596	7.75014	0.00000	1.81501
1546	0.002596	7.75014	0.00000	1.72823
1547	0.002596	7.75014	0.00000	1.64146
1548	0.002596	7.75014	0.00000	1.55468
1549	0.002596	7.75014	0.00000	1.46790
1550	0.002230	7.75014	0.00000	1.38724
1551	0.003905	7.87500	0.00000	2.16211
1552	0.003905	7.87500	0.00000	2.07533
1553	0.003905	7.87500	0.00000	1.98856
1554	0.003905	7.87500	0.00000	1.90178
1555	0.003905	7.87500	0.00000	1.81501
1556	0.003905	7.87500	0.00000	1.72823
1557	0.003905	7.87500	0.00000	1.64146
1558	0.003905	7.87500	0.00000	1.55468
1559	0.003905	7.87500	0.00000	1.46790
1560	0.003355	7.87500	0.00000	1.38724
1561	0.003905	8.02500	0.00000	2.07533
1562	0.003905	8.02500	0.00000	1.98856
1563	0.003905	8.02500	0.00000	1.90178
1564	0.003905	8.02500	0.00000	1.81501
1565	0.003905	8.02500	0.00000	1.72823
1566	0.003905	8.02500	0.00000	1.64146
1567	0.003905	8.02500	0.00000	1.55468
1568	0.003905	8.02500	0.00000	1.46790
1569	0.003355	8.02500	0.00000	1.38724
1570	0.003905	8.17500	0.00000	1.98856
1571	0.003905	8.17500	0.00000	1.90178
1572	0.003905	8.17500	0.00000	1.81501
1573	0.003905	8.17500	0.00000	1.72823
1574	0.003905	8.17500	0.00000	1.64146
1575	0.003905	8.17500	0.00000	1.55468

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1576	0.003905	8.17500	0.00000	1.46790
1577	0.003355	8.17500	0.00000	1.38724
1578	0.003905	8.32500	0.00000	1.90178
1579	0.003905	8.32500	0.00000	1.81501
1580	0.003905	8.32500	0.00000	1.72823
1581	0.003905	8.32500	0.00000	1.64146
1582	0.003905	8.32500	0.00000	1.55468
1583	0.003905	8.32500	0.00000	1.46790
1584	0.003355	8.32500	0.00000	1.38724
1585	0.003905	8.47500	0.00000	1.81501
1586	0.003905	8.47500	0.00000	1.72823
1587	0.003905	8.47500	0.00000	1.64146
1588	0.003905	8.47500	0.00000	1.55468
1589	0.003905	8.47500	0.00000	1.46790
1590	0.003355	8.47500	0.00000	1.38724
1591	0.003905	8.62500	0.00000	1.72823
1592	0.003905	8.62500	0.00000	1.64146
1593	0.003905	8.62500	0.00000	1.55468
1594	0.003905	8.62500	0.00000	1.46790
1595	0.003355	8.62500	0.00000	1.38724
1596	0.003905	8.77500	0.00000	1.64146
1597	0.003905	8.77500	0.00000	1.55468
1598	0.003905	8.77500	0.00000	1.46790
1599	0.003355	8.77500	0.00000	1.38724
1600	0.003905	8.92500	0.00000	1.55468
1601	0.003905	8.92500	0.00000	1.46790
1602	0.003355	8.92500	0.00000	1.38724
1603	0.003905	9.07500	0.00000	1.46790
1604	0.003355	9.07500	0.00000	1.38724
1605	0.006750	3.07500	0.00000	1.27496
1606	0.006750	3.22500	0.00000	1.27496
1607	0.006750	3.37500	0.00000	1.27496
1608	0.006750	3.52500	0.00000	1.27496
1609	0.006750	3.67500	0.00000	1.27496
1610	0.006750	3.82500	0.00000	1.27496
1611	0.006750	3.97500	0.00000	1.27496
1612	0.006750	4.12500	0.00000	1.27496
1613	0.006750	4.27500	0.00000	1.27496
1614	0.006750	4.42500	0.00000	1.27496
1615	0.006750	4.57500	0.00000	1.27496
1616	0.006750	4.72500	0.00000	1.27496
1617	0.006750	4.87500	0.00000	1.27496
1618	0.006750	5.02500	0.00000	1.27496
1619	0.006750	5.17500	0.00000	1.27496
1620	0.006750	5.32500	0.00000	1.27496
1621	0.006750	5.47500	0.00000	1.27496
1622	0.005918	5.61575	0.00000	1.27496
1623	0.004923	5.73620	0.00000	1.27496
1624	0.004923	5.84559	0.00000	1.27496
1625	0.006750	5.97529	0.00000	1.27496
1626	0.006750	6.12529	0.00000	1.27496
1627	0.006750	6.27529	0.00000	1.27496
1628	0.006750	6.42529	0.00000	1.27496
1629	0.006750	6.57529	0.00000	1.27496
1630	0.006750	6.72529	0.00000	1.27496
1631	0.006750	6.87529	0.00000	1.27496
1632	0.006750	7.02529	0.00000	1.27496
1633	0.006750	7.17529	0.00000	1.27496
1634	0.006750	7.32529	0.00000	1.27496
1635	0.006750	7.47529	0.00000	1.27496
1636	0.006750	7.62529	0.00000	1.27496
1637	0.004487	7.75014	0.00000	1.27496
1638	0.006750	7.87500	0.00000	1.27496
1639	0.006750	8.02500	0.00000	1.27496
1640	0.006750	8.17500	0.00000	1.27496
1641	0.006750	8.32500	0.00000	1.27496
1642	0.006750	8.47500	0.00000	1.27496
1643	0.006750	8.62500	0.00000	1.27496
1644	0.006750	8.77500	0.00000	1.27496

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1645	0.006750	8.92500	0.00000	1.27496
1646	0.006750	9.07500	0.00000	1.27496
1647	0.006750	9.22500	0.00000	1.27496
1648	0.005800	9.36444	0.00000	1.27496
1649	0.007700	9.51444	0.00000	1.27496
1650	0.006750	9.67500	0.00000	1.27496
1651	0.006750	9.82500	0.00000	1.27496
1652	0.006750	9.97500	0.00000	1.27496
1653	0.006750	10.12500	0.00000	1.27496
1654	0.006750	10.27500	0.00000	1.27496
1655	0.006750	10.42500	0.00000	1.27496
1656	0.006750	10.57500	0.00000	1.27496
1657	0.006750	10.72500	0.00000	1.27496
1658	0.006750	10.87500	0.00000	1.27496
1659	0.006750	11.02500	0.00000	1.27496
1660	0.006750	11.17500	0.00000	1.27496
1661	0.006750	11.32500	0.00000	1.27496
1662	0.006750	11.47500	0.00000	1.27496
1663	0.006750	11.62500	0.00000	1.27496
1664	0.006750	11.77500	0.00000	1.27496
1665	0.006750	11.92500	0.00000	1.27496
1666	0.006750	12.07500	0.00000	1.27496
1667	0.006149	12.21832	0.00000	1.27496
1668	0.006750	3.07500	0.00000	1.12496
1669	0.006750	3.22500	0.00000	1.12496
1670	0.006750	3.37500	0.00000	1.12496
1671	0.006750	3.52500	0.00000	1.12496
1672	0.006750	3.67500	0.00000	1.12496
1673	0.006750	3.82500	0.00000	1.12496
1674	0.006750	3.97500	0.00000	1.12496
1675	0.006750	4.12500	0.00000	1.12496
1676	0.006750	4.27500	0.00000	1.12496
1677	0.006750	4.42500	0.00000	1.12496
1678	0.006750	4.57500	0.00000	1.12496
1679	0.006750	4.72500	0.00000	1.12496
1680	0.006750	4.87500	0.00000	1.12496
1681	0.006750	5.02500	0.00000	1.12496
1682	0.006750	5.17500	0.00000	1.12496
1683	0.006750	5.32500	0.00000	1.12496
1684	0.006750	5.47500	0.00000	1.12496
1685	0.005918	5.61575	0.00000	1.12496
1686	0.004923	5.73620	0.00000	1.12496
1687	0.004923	5.84559	0.00000	1.12496
1688	0.006750	5.97529	0.00000	1.12496
1689	0.006750	6.12529	0.00000	1.12496
1690	0.006750	6.27529	0.00000	1.12496
1691	0.006750	6.42529	0.00000	1.12496
1692	0.006750	6.57529	0.00000	1.12496
1693	0.006750	6.72529	0.00000	1.12496
1694	0.006750	6.87529	0.00000	1.12496
1695	0.006750	7.02529	0.00000	1.12496
1696	0.006750	7.17529	0.00000	1.12496
1697	0.006750	7.32529	0.00000	1.12496
1698	0.006750	7.47529	0.00000	1.12496
1699	0.006750	7.62529	0.00000	1.12496
1700	0.004487	7.75014	0.00000	1.12496
1701	0.006750	7.87500	0.00000	1.12496
1702	0.006750	8.02500	0.00000	1.12496
1703	0.006750	8.17500	0.00000	1.12496
1704	0.006750	8.32500	0.00000	1.12496
1705	0.006750	8.47500	0.00000	1.12496
1706	0.006750	8.62500	0.00000	1.12496
1707	0.006750	8.77500	0.00000	1.12496
1708	0.006750	8.92500	0.00000	1.12496
1709	0.006750	9.07500	0.00000	1.12496
1710	0.006750	9.22500	0.00000	1.12496
1711	0.005800	9.36444	0.00000	1.12496
1712	0.007700	9.51444	0.00000	1.12496
1713	0.006750	9.67500	0.00000	1.12496

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1714	0.006750	9.82500	0.00000	1.12496
1715	0.006750	9.97500	0.00000	1.12496
1716	0.006750	10.12500	0.00000	1.12496
1717	0.006750	10.27500	0.00000	1.12496
1718	0.006750	10.42500	0.00000	1.12496
1719	0.006750	10.57500	0.00000	1.12496
1720	0.006750	10.72500	0.00000	1.12496
1721	0.006750	10.87500	0.00000	1.12496
1722	0.006750	11.02500	0.00000	1.12496
1723	0.006750	11.17500	0.00000	1.12496
1724	0.006750	11.32500	0.00000	1.12496
1725	0.006750	11.47500	0.00000	1.12496
1726	0.006750	11.62500	0.00000	1.12496
1727	0.006750	11.77500	0.00000	1.12496
1728	0.006750	11.92500	0.00000	1.12496
1729	0.006750	12.07500	0.00000	1.12496
1730	0.006149	12.21832	0.00000	1.12496
1731	0.006750	3.07500	0.00000	0.97496
1732	0.006750	3.22500	0.00000	0.97496
1733	0.006750	3.37500	0.00000	0.97496
1734	0.006750	3.52500	0.00000	0.97496
1735	0.006750	3.67500	0.00000	0.97496
1736	0.006750	3.82500	0.00000	0.97496
1737	0.006750	3.97500	0.00000	0.97496
1738	0.006750	4.12500	0.00000	0.97496
1739	0.006750	4.27500	0.00000	0.97496
1740	0.006750	4.42500	0.00000	0.97496
1741	0.006750	4.57500	0.00000	0.97496
1742	0.006750	4.72500	0.00000	0.97496
1743	0.006750	4.87500	0.00000	0.97496
1744	0.006750	5.02500	0.00000	0.97496
1745	0.006750	5.17500	0.00000	0.97496
1746	0.006750	5.32500	0.00000	0.97496
1747	0.006750	5.47500	0.00000	0.97496
1748	0.005918	5.61575	0.00000	0.97496
1749	0.004923	5.73620	0.00000	0.97496
1750	0.004923	5.84559	0.00000	0.97496
1751	0.006750	5.97529	0.00000	0.97496
1752	0.006750	6.12529	0.00000	0.97496
1753	0.006750	6.27529	0.00000	0.97496
1754	0.006750	6.42529	0.00000	0.97496
1755	0.006750	6.57529	0.00000	0.97496
1756	0.006750	6.72529	0.00000	0.97496
1757	0.006750	6.87529	0.00000	0.97496
1758	0.006750	7.02529	0.00000	0.97496
1759	0.006750	7.17529	0.00000	0.97496
1760	0.006750	7.32529	0.00000	0.97496
1761	0.006750	7.47529	0.00000	0.97496
1762	0.006750	7.62529	0.00000	0.97496
1763	0.004487	7.75014	0.00000	0.97496
1764	0.006750	7.87500	0.00000	0.97496
1765	0.006750	8.02500	0.00000	0.97496
1766	0.006750	8.17500	0.00000	0.97496
1767	0.006750	8.32500	0.00000	0.97496
1768	0.006750	8.47500	0.00000	0.97496
1769	0.006750	8.62500	0.00000	0.97496
1770	0.006750	8.77500	0.00000	0.97496
1771	0.006750	8.92500	0.00000	0.97496
1772	0.006750	9.07500	0.00000	0.97496
1773	0.006750	9.22500	0.00000	0.97496
1774	0.005800	9.36444	0.00000	0.97496
1775	0.007700	9.51444	0.00000	0.97496
1776	0.006750	9.67500	0.00000	0.97496
1777	0.006750	9.82500	0.00000	0.97496
1778	0.006750	9.97500	0.00000	0.97496
1779	0.006750	10.12500	0.00000	0.97496
1780	0.006750	10.27500	0.00000	0.97496
1781	0.006750	10.42500	0.00000	0.97496
1782	0.006750	10.57500	0.00000	0.97496

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1783	0.006750	10.72500	0.00000	0.97496
1784	0.006750	10.87500	0.00000	0.97496
1785	0.006750	11.02500	0.00000	0.97496
1786	0.006750	11.17500	0.00000	0.97496
1787	0.006750	11.32500	0.00000	0.97496
1788	0.006750	11.47500	0.00000	0.97496
1789	0.006750	11.62500	0.00000	0.97496
1790	0.006750	11.77500	0.00000	0.97496
1791	0.006750	11.92500	0.00000	0.97496
1792	0.006750	12.07500	0.00000	0.97496
1793	0.006149	12.21832	0.00000	0.97496
1794	0.006750	3.07500	0.00000	0.82496
1795	0.006750	3.22500	0.00000	0.82496
1796	0.006750	3.37500	0.00000	0.82496
1797	0.006750	3.52500	0.00000	0.82496
1798	0.006750	3.67500	0.00000	0.82496
1799	0.006750	3.82500	0.00000	0.82496
1800	0.006750	3.97500	0.00000	0.82496
1801	0.006750	4.12500	0.00000	0.82496
1802	0.006750	4.27500	0.00000	0.82496
1803	0.006750	4.42500	0.00000	0.82496
1804	0.006750	4.57500	0.00000	0.82496
1805	0.006750	4.72500	0.00000	0.82496
1806	0.006750	4.87500	0.00000	0.82496
1807	0.006750	5.02500	0.00000	0.82496
1808	0.006750	5.17500	0.00000	0.82496
1809	0.006750	5.32500	0.00000	0.82496
1810	0.006750	5.47500	0.00000	0.82496
1811	0.005918	5.61575	0.00000	0.82496
1812	0.004923	5.73620	0.00000	0.82496
1813	0.004923	5.84559	0.00000	0.82496
1814	0.006750	5.97529	0.00000	0.82496
1815	0.006750	6.12529	0.00000	0.82496
1816	0.006750	6.27529	0.00000	0.82496
1817	0.006750	6.42529	0.00000	0.82496
1818	0.006750	6.57529	0.00000	0.82496
1819	0.006750	6.72529	0.00000	0.82496
1820	0.006750	6.87529	0.00000	0.82496
1821	0.006750	7.02529	0.00000	0.82496
1822	0.006750	7.17529	0.00000	0.82496
1823	0.006750	7.32529	0.00000	0.82496
1824	0.006750	7.47529	0.00000	0.82496
1825	0.006750	7.62529	0.00000	0.82496
1826	0.004487	7.75014	0.00000	0.82496
1827	0.006750	7.87500	0.00000	0.82496
1828	0.006750	8.02500	0.00000	0.82496
1829	0.006750	8.17500	0.00000	0.82496
1830	0.006750	8.32500	0.00000	0.82496
1831	0.006750	8.47500	0.00000	0.82496
1832	0.006750	8.62500	0.00000	0.82496
1833	0.006750	8.77500	0.00000	0.82496
1834	0.006750	8.92500	0.00000	0.82496
1835	0.006750	9.07500	0.00000	0.82496
1836	0.006750	9.22500	0.00000	0.82496
1837	0.005800	9.36444	0.00000	0.82496
1838	0.007700	9.51444	0.00000	0.82496
1839	0.006750	9.67500	0.00000	0.82496
1840	0.006750	9.82500	0.00000	0.82496
1841	0.006750	9.97500	0.00000	0.82496
1842	0.006750	10.12500	0.00000	0.82496
1843	0.006750	10.27500	0.00000	0.82496
1844	0.006750	10.42500	0.00000	0.82496
1845	0.006750	10.57500	0.00000	0.82496
1846	0.006750	10.72500	0.00000	0.82496
1847	0.006750	10.87500	0.00000	0.82496
1848	0.006750	11.02500	0.00000	0.82496
1849	0.006750	11.17500	0.00000	0.82496
1850	0.006750	11.32500	0.00000	0.82496
1851	0.006750	11.47500	0.00000	0.82496



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1852	0.006750	11.62500	0.00000	0.82496
1853	0.006750	11.77500	0.00000	0.82496
1854	0.006750	11.92500	0.00000	0.82496
1855	0.006750	12.07500	0.00000	0.82496
1856	0.006149	12.21832	0.00000	0.82496
1857	0.006750	3.07500	0.00000	0.67496
1858	0.006750	3.22500	0.00000	0.67496
1859	0.006750	3.37500	0.00000	0.67496
1860	0.006750	3.52500	0.00000	0.67496
1861	0.006750	3.67500	0.00000	0.67496
1862	0.006750	3.82500	0.00000	0.67496
1863	0.006750	3.97500	0.00000	0.67496
1864	0.006750	4.12500	0.00000	0.67496
1865	0.006750	4.27500	0.00000	0.67496
1866	0.006750	4.42500	0.00000	0.67496
1867	0.006750	4.57500	0.00000	0.67496
1868	0.006750	4.72500	0.00000	0.67496
1869	0.006750	4.87500	0.00000	0.67496
1870	0.006750	5.02500	0.00000	0.67496
1871	0.006750	5.17500	0.00000	0.67496
1872	0.006750	5.32500	0.00000	0.67496
1873	0.006750	5.47500	0.00000	0.67496
1874	0.005918	5.61575	0.00000	0.67496
1875	0.004923	5.73620	0.00000	0.67496
1876	0.004923	5.84559	0.00000	0.67496
1877	0.006750	5.97529	0.00000	0.67496
1878	0.006750	6.12529	0.00000	0.67496
1879	0.006750	6.27529	0.00000	0.67496
1880	0.006750	6.42529	0.00000	0.67496
1881	0.006750	6.57529	0.00000	0.67496
1882	0.006750	6.72529	0.00000	0.67496
1883	0.006750	6.87529	0.00000	0.67496
1884	0.006750	7.02529	0.00000	0.67496
1885	0.006750	7.17529	0.00000	0.67496
1886	0.006750	7.32529	0.00000	0.67496
1887	0.006750	7.47529	0.00000	0.67496
1888	0.006750	7.62529	0.00000	0.67496
1889	0.004487	7.75014	0.00000	0.67496
1890	0.006750	7.87500	0.00000	0.67496
1891	0.006750	8.02500	0.00000	0.67496
1892	0.006750	8.17500	0.00000	0.67496
1893	0.006750	8.32500	0.00000	0.67496
1894	0.006750	8.47500	0.00000	0.67496
1895	0.006750	8.62500	0.00000	0.67496
1896	0.006750	8.77500	0.00000	0.67496
1897	0.006750	8.92500	0.00000	0.67496
1898	0.006750	9.07500	0.00000	0.67496
1899	0.006750	9.22500	0.00000	0.67496
1900	0.005800	9.36444	0.00000	0.67496
1901	0.007700	9.51444	0.00000	0.67496
1902	0.006750	9.67500	0.00000	0.67496
1903	0.006750	9.82500	0.00000	0.67496
1904	0.006750	9.97500	0.00000	0.67496
1905	0.006750	10.12500	0.00000	0.67496
1906	0.006750	10.27500	0.00000	0.67496
1907	0.006750	10.42500	0.00000	0.67496
1908	0.006750	10.57500	0.00000	0.67496
1909	0.006750	10.72500	0.00000	0.67496
1910	0.006750	10.87500	0.00000	0.67496
1911	0.006750	11.02500	0.00000	0.67496
1912	0.006750	11.17500	0.00000	0.67496
1913	0.006750	11.32500	0.00000	0.67496
1914	0.006750	11.47500	0.00000	0.67496
1915	0.006750	11.62500	0.00000	0.67496
1916	0.006750	11.77500	0.00000	0.67496
1917	0.006750	11.92500	0.00000	0.67496
1918	0.006750	12.07500	0.00000	0.67496
1919	0.006149	12.21832	0.00000	0.67496
1920	0.006750	3.07500	0.00000	0.52496

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1921	0.006750	3.22500	0.00000	0.52496
1922	0.006750	3.37500	0.00000	0.52496
1923	0.006750	3.52500	0.00000	0.52496
1924	0.006750	3.67500	0.00000	0.52496
1925	0.006750	3.82500	0.00000	0.52496
1926	0.006750	3.97500	0.00000	0.52496
1927	0.006750	4.12500	0.00000	0.52496
1928	0.006750	4.27500	0.00000	0.52496
1929	0.006750	4.42500	0.00000	0.52496
1930	0.006750	4.57500	0.00000	0.52496
1931	0.006750	4.72500	0.00000	0.52496
1932	0.006750	4.87500	0.00000	0.52496
1933	0.006750	5.02500	0.00000	0.52496
1934	0.006750	5.17500	0.00000	0.52496
1935	0.006750	5.32500	0.00000	0.52496
1936	0.006750	5.47500	0.00000	0.52496
1937	0.005918	5.61575	0.00000	0.52496
1938	0.004923	5.73620	0.00000	0.52496
1939	0.004923	5.84559	0.00000	0.52496
1940	0.006750	5.97529	0.00000	0.52496
1941	0.006750	6.12529	0.00000	0.52496
1942	0.006750	6.27529	0.00000	0.52496
1943	0.006750	6.42529	0.00000	0.52496
1944	0.006750	6.57529	0.00000	0.52496
1945	0.006750	6.72529	0.00000	0.52496
1946	0.006750	6.87529	0.00000	0.52496
1947	0.006750	7.02529	0.00000	0.52496
1948	0.006750	7.17529	0.00000	0.52496
1949	0.006750	7.32529	0.00000	0.52496
1950	0.006750	7.47529	0.00000	0.52496
1951	0.006750	7.62529	0.00000	0.52496
1952	0.004487	7.75014	0.00000	0.52496
1953	0.006750	7.87500	0.00000	0.52496
1954	0.006750	8.02500	0.00000	0.52496
1955	0.006750	8.17500	0.00000	0.52496
1956	0.006750	8.32500	0.00000	0.52496
1957	0.006750	8.47500	0.00000	0.52496
1958	0.006750	8.62500	0.00000	0.52496
1959	0.006750	8.77500	0.00000	0.52496
1960	0.006750	8.92500	0.00000	0.52496
1961	0.006750	9.07500	0.00000	0.52496
1962	0.006750	9.22500	0.00000	0.52496
1963	0.005800	9.36444	0.00000	0.52496
1964	0.007700	9.51444	0.00000	0.52496
1965	0.006750	9.67500	0.00000	0.52496
1966	0.006750	9.82500	0.00000	0.52496
1967	0.006750	9.97500	0.00000	0.52496
1968	0.006750	10.12500	0.00000	0.52496
1969	0.006750	10.27500	0.00000	0.52496
1970	0.006750	10.42500	0.00000	0.52496
1971	0.006750	10.57500	0.00000	0.52496
1972	0.006750	10.72500	0.00000	0.52496
1973	0.006750	10.87500	0.00000	0.52496
1974	0.006750	11.02500	0.00000	0.52496
1975	0.006750	11.17500	0.00000	0.52496
1976	0.006750	11.32500	0.00000	0.52496
1977	0.006750	11.47500	0.00000	0.52496
1978	0.006750	11.62500	0.00000	0.52496
1979	0.006750	11.77500	0.00000	0.52496
1980	0.006750	11.92500	0.00000	0.52496
1981	0.006750	12.07500	0.00000	0.52496
1982	0.006149	12.21832	0.00000	0.52496
1983	0.006750	3.07500	0.00000	0.37496
1984	0.006750	3.22500	0.00000	0.37496
1985	0.006750	3.37500	0.00000	0.37496
1986	0.006750	3.52500	0.00000	0.37496
1987	0.006750	3.67500	0.00000	0.37496
1988	0.006750	3.82500	0.00000	0.37496
1989	0.006750	3.97500	0.00000	0.37496

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1990	0.006750	4.12500	0.00000	0.37496
1991	0.006750	4.27500	0.00000	0.37496
1992	0.006750	4.42500	0.00000	0.37496
1993	0.006750	4.57500	0.00000	0.37496
1994	0.006750	4.72500	0.00000	0.37496
1995	0.006750	4.87500	0.00000	0.37496
1996	0.006750	5.02500	0.00000	0.37496
1997	0.006750	5.17500	0.00000	0.37496
1998	0.006750	5.32500	0.00000	0.37496
1999	0.006750	5.47500	0.00000	0.37496
2000	0.005918	5.61575	0.00000	0.37496
2001	0.004923	5.73620	0.00000	0.37496
2002	0.004923	5.84559	0.00000	0.37496
2003	0.006750	5.97529	0.00000	0.37496
2004	0.006750	6.12529	0.00000	0.37496
2005	0.006750	6.27529	0.00000	0.37496
2006	0.006750	6.42529	0.00000	0.37496
2007	0.006750	6.57529	0.00000	0.37496
2008	0.006750	6.72529	0.00000	0.37496
2009	0.006750	6.87529	0.00000	0.37496
2010	0.006750	7.02529	0.00000	0.37496
2011	0.006750	7.17529	0.00000	0.37496
2012	0.006750	7.32529	0.00000	0.37496
2013	0.006750	7.47529	0.00000	0.37496
2014	0.006750	7.62529	0.00000	0.37496
2015	0.004487	7.75014	0.00000	0.37496
2016	0.006750	7.87500	0.00000	0.37496
2017	0.006750	8.02500	0.00000	0.37496
2018	0.006750	8.17500	0.00000	0.37496
2019	0.006750	8.32500	0.00000	0.37496
2020	0.006750	8.47500	0.00000	0.37496
2021	0.006750	8.62500	0.00000	0.37496
2022	0.006750	8.77500	0.00000	0.37496
2023	0.006750	8.92500	0.00000	0.37496
2024	0.006750	9.07500	0.00000	0.37496
2025	0.006750	9.22500	0.00000	0.37496
2026	0.005800	9.36444	0.00000	0.37496
2027	0.007700	9.51444	0.00000	0.37496
2028	0.006750	9.67500	0.00000	0.37496
2029	0.006750	9.82500	0.00000	0.37496
2030	0.006750	9.97500	0.00000	0.37496
2031	0.006750	10.12500	0.00000	0.37496
2032	0.006750	10.27500	0.00000	0.37496
2033	0.006750	10.42500	0.00000	0.37496
2034	0.006750	10.57500	0.00000	0.37496
2035	0.006750	10.72500	0.00000	0.37496
2036	0.006750	10.87500	0.00000	0.37496
2037	0.006750	11.02500	0.00000	0.37496
2038	0.006750	11.17500	0.00000	0.37496
2039	0.006750	11.32500	0.00000	0.37496
2040	0.006750	11.47500	0.00000	0.37496
2041	0.006750	11.62500	0.00000	0.37496
2042	0.006750	11.77500	0.00000	0.37496
2043	0.006750	11.92500	0.00000	0.37496
2044	0.006750	12.07500	0.00000	0.37496
2045	0.006149	12.21832	0.00000	0.37496
2046	0.006750	3.07500	0.00000	0.22496
2047	0.006750	3.22500	0.00000	0.22496
2048	0.006750	3.37500	0.00000	0.22496
2049	0.006750	3.52500	0.00000	0.22496
2050	0.006750	3.67500	0.00000	0.22496
2051	0.006750	3.82500	0.00000	0.22496
2052	0.006750	3.97500	0.00000	0.22496
2053	0.006750	4.12500	0.00000	0.22496
2054	0.006750	4.27500	0.00000	0.22496
2055	0.006750	4.42500	0.00000	0.22496
2056	0.006750	4.57500	0.00000	0.22496
2057	0.006750	4.72500	0.00000	0.22496
2058	0.006750	4.87500	0.00000	0.22496

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2059	0.006750	5.02500	0.00000	0.22496
2060	0.006750	5.17500	0.00000	0.22496
2061	0.006750	5.32500	0.00000	0.22496
2062	0.006750	5.47500	0.00000	0.22496
2063	0.005918	5.61575	0.00000	0.22496
2064	0.004923	5.73620	0.00000	0.22496
2065	0.004923	5.84559	0.00000	0.22496
2066	0.006750	5.97529	0.00000	0.22496
2067	0.006750	6.12529	0.00000	0.22496
2068	0.006750	6.27529	0.00000	0.22496
2069	0.006750	6.42529	0.00000	0.22496
2070	0.006750	6.57529	0.00000	0.22496
2071	0.006750	6.72529	0.00000	0.22496
2072	0.006750	6.87529	0.00000	0.22496
2073	0.006750	7.02529	0.00000	0.22496
2074	0.006750	7.17529	0.00000	0.22496
2075	0.006750	7.32529	0.00000	0.22496
2076	0.006750	7.47529	0.00000	0.22496
2077	0.006750	7.62529	0.00000	0.22496
2078	0.004487	7.75014	0.00000	0.22496
2079	0.006750	7.87500	0.00000	0.22496
2080	0.006750	8.02500	0.00000	0.22496
2081	0.006750	8.17500	0.00000	0.22496
2082	0.006750	8.32500	0.00000	0.22496
2083	0.006750	8.47500	0.00000	0.22496
2084	0.006750	8.62500	0.00000	0.22496
2085	0.006750	8.77500	0.00000	0.22496
2086	0.006750	8.92500	0.00000	0.22496
2087	0.006750	9.07500	0.00000	0.22496
2088	0.006750	9.22500	0.00000	0.22496
2089	0.005800	9.36444	0.00000	0.22496
2090	0.007700	9.51444	0.00000	0.22496
2091	0.006750	9.67500	0.00000	0.22496
2092	0.006750	9.82500	0.00000	0.22496
2093	0.006750	9.97500	0.00000	0.22496
2094	0.006750	10.12500	0.00000	0.22496
2095	0.006750	10.27500	0.00000	0.22496
2096	0.006750	10.42500	0.00000	0.22496
2097	0.006750	10.57500	0.00000	0.22496
2098	0.006750	10.72500	0.00000	0.22496
2099	0.006750	10.87500	0.00000	0.22496
2100	0.006750	11.02500	0.00000	0.22496
2101	0.006750	11.17500	0.00000	0.22496
2102	0.006750	11.32500	0.00000	0.22496
2103	0.006750	11.47500	0.00000	0.22496
2104	0.006750	11.62500	0.00000	0.22496
2105	0.006750	11.77500	0.00000	0.22496
2106	0.006750	11.92500	0.00000	0.22496
2107	0.006750	12.07500	0.00000	0.22496
2108	0.006149	12.21832	0.00000	0.22496
2109	0.006750	3.07500	0.00000	0.07496
2110	0.006750	3.22500	0.00000	0.07496
2111	0.006750	3.37500	0.00000	0.07496
2112	0.006750	3.52500	0.00000	0.07496
2113	0.006750	3.67500	0.00000	0.07496
2114	0.006750	3.82500	0.00000	0.07496
2115	0.006750	3.97500	0.00000	0.07496
2116	0.006750	4.12500	0.00000	0.07496
2117	0.006750	4.27500	0.00000	0.07496
2118	0.006750	4.42500	0.00000	0.07496
2119	0.006750	4.57500	0.00000	0.07496
2120	0.006750	4.72500	0.00000	0.07496
2121	0.006750	4.87500	0.00000	0.07496
2122	0.006750	5.02500	0.00000	0.07496
2123	0.006750	5.17500	0.00000	0.07496
2124	0.006750	5.32500	0.00000	0.07496
2125	0.006750	5.47500	0.00000	0.07496
2126	0.005918	5.61575	0.00000	0.07496
2127	0.004923	5.73620	0.00000	0.07496

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2128	0.004923	5.84559	0.00000	0.07496
2129	0.006750	5.97529	0.00000	0.07496
2130	0.006750	6.12529	0.00000	0.07496
2131	0.006750	6.27529	0.00000	0.07496
2132	0.006750	6.42529	0.00000	0.07496
2133	0.006750	6.57529	0.00000	0.07496
2134	0.006750	6.72529	0.00000	0.07496
2135	0.006750	6.87529	0.00000	0.07496
2136	0.006750	7.02529	0.00000	0.07496
2137	0.006750	7.17529	0.00000	0.07496
2138	0.006750	7.32529	0.00000	0.07496
2139	0.006750	7.47529	0.00000	0.07496
2140	0.006750	7.62529	0.00000	0.07496
2141	0.004487	7.75014	0.00000	0.07496
2142	0.006750	7.87500	0.00000	0.07496
2143	0.006750	8.02500	0.00000	0.07496
2144	0.006750	8.17500	0.00000	0.07496
2145	0.006750	8.32500	0.00000	0.07496
2146	0.006750	8.47500	0.00000	0.07496
2147	0.006750	8.62500	0.00000	0.07496
2148	0.006750	8.77500	0.00000	0.07496
2149	0.006750	8.92500	0.00000	0.07496
2150	0.006750	9.07500	0.00000	0.07496
2151	0.006750	9.22500	0.00000	0.07496
2152	0.005800	9.36444	0.00000	0.07496
2153	0.007700	9.51444	0.00000	0.07496
2154	0.006750	9.67500	0.00000	0.07496
2155	0.006750	9.82500	0.00000	0.07496
2156	0.006750	9.97500	0.00000	0.07496
2157	0.006750	10.12500	0.00000	0.07496
2158	0.006750	10.27500	0.00000	0.07496
2159	0.006750	10.42500	0.00000	0.07496
2160	0.006750	10.57500	0.00000	0.07496
2161	0.006750	10.72500	0.00000	0.07496
2162	0.006750	10.87500	0.00000	0.07496
2163	0.006750	11.02500	0.00000	0.07496
2164	0.006750	11.17500	0.00000	0.07496
2165	0.006750	11.32500	0.00000	0.07496
2166	0.006750	11.47500	0.00000	0.07496
2167	0.006750	11.62500	0.00000	0.07496
2168	0.006750	11.77500	0.00000	0.07496
2169	0.006750	11.92500	0.00000	0.07496
2170	0.006750	12.07500	0.00000	0.07496
2171	0.006149	12.21832	0.00000	0.07496

Table: Element Forces - Area Shells

AreaElem	ShellType	OutputCase	M11 KN-m/m	M22 KN-m/m	V13 KN/m	V23 KN/m
1	Shell-Thick	SLU-STATICA	-14.9575	-0.8622	-6.15	2.01
1	Shell-Thick	SLU-STATICA	-13.7709	-0.7568	-5.22	2.01
1	Shell-Thick	SLU-STATICA	-13.1456	-0.6749	-5.22	0.26
1	Shell-Thick	SLU-STATICA	-14.3386	-0.7011	-6.15	0.26
1	Shell-Thick	SLU-SISMICA	-22.3558	-1.1817	-6.34	2.90
1	Shell-Thick	SLU-SISMICA	-20.6678	-1.0131	-5.22	2.90
1	Shell-Thick	SLU-SISMICA	-20.0304	-1.0072	-5.22	0.78
1	Shell-Thick	SLU-SISMICA	-21.7286	-1.0517	-6.34	0.78
1	Shell-Thick	SLE-RARA	-10.9653	-0.6374	-4.65	1.48
1	Shell-Thick	SLE-RARA	-10.0911	-0.5607	-3.96	1.48
1	Shell-Thick	SLE-RARA	-9.6179	-0.4948	-3.96	0.17
1	Shell-Thick	SLE-RARA	-10.4967	-0.5138	-4.65	0.17
1	Shell-Thick	SLE-FREQ.	-10.0869	-0.5955	-4.52	1.37
1	Shell-Thick	SLE-FREQ.	-9.2755	-0.5258	-3.86	1.37
1	Shell-Thick	SLE-FREQ.	-8.8149	-0.4553	-3.86	0.12
1	Shell-Thick	SLE-FREQ.	-9.6306	-0.4723	-4.52	0.12
1	Shell-Thick	SLE-QP	-7.4518	-0.4695	-4.13	1.04
1	Shell-Thick	SLE-QP	-6.8287	-0.4212	-3.57	1.04

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1	Shell-Thick	SLE-QP	-6.4061	-0.3368	-3.57	-1.851E-02
1	Shell-Thick	SLE-QP	-7.0322	-0.3478	-4.13	-1.851E-02
2	Shell-Thick	SLU-STATICA	-12.1889	-0.3658	-4.75	0.22
2	Shell-Thick	SLU-STATICA	-11.8692	-0.3250	-4.85	0.22
2	Shell-Thick	SLU-STATICA	-11.3425	-0.0115	-4.85	0.41
2	Shell-Thick	SLU-STATICA	-11.6660	-0.0068	-4.75	0.41
2	Shell-Thick	SLU-SISMICA	-18.3496	-0.5210	-4.54	0.71
2	Shell-Thick	SLU-SISMICA	-17.9017	-0.4363	-4.66	0.71
2	Shell-Thick	SLU-SISMICA	-17.3950	0.0314	-4.66	0.94
2	Shell-Thick	SLU-SISMICA	-17.8493	0.0207	-4.54	0.94
2	Shell-Thick	SLE-RARA	-8.9290	-0.2694	-3.61	0.14
2	Shell-Thick	SLE-RARA	-8.6932	-0.2407	-3.68	0.14
2	Shell-Thick	SLE-RARA	-8.2930	-0.0109	-3.68	0.28
2	Shell-Thick	SLE-RARA	-8.5317	-0.0065	-3.61	0.28
2	Shell-Thick	SLE-FREQ.	-8.2026	-0.2500	-3.53	9.382E-02
2	Shell-Thick	SLE-FREQ.	-7.9831	-0.2256	-3.61	9.382E-02
2	Shell-Thick	SLE-FREQ.	-7.5912	-0.0142	-3.61	0.23
2	Shell-Thick	SLE-FREQ.	-7.8132	-0.0086	-3.53	0.23
2	Shell-Thick	SLE-QP	-6.0232	-0.1918	-3.32	-3.954E-02
2	Shell-Thick	SLE-QP	-5.8528	-0.1804	-3.38	-3.954E-02
2	Shell-Thick	SLE-QP	-5.4855	-0.0239	-3.38	8.135E-02
2	Shell-Thick	SLE-QP	-5.6577	-0.0149	-3.32	8.135E-02
3	Shell-Thick	SLU-STATICA	-10.9990	0.0870	-4.51	0.39
3	Shell-Thick	SLU-STATICA	-10.7696	0.1427	-4.46	0.39
3	Shell-Thick	SLU-STATICA	-10.0986	-0.4389	-4.46	0.27
3	Shell-Thick	SLU-STATICA	-10.3241	-0.4211	-4.51	0.27
3	Shell-Thick	SLU-SISMICA	-16.6443	0.1987	-4.25	0.90
3	Shell-Thick	SLU-SISMICA	-16.3239	0.3086	-4.18	0.90
3	Shell-Thick	SLU-SISMICA	-15.6945	-0.6668	-4.18	0.73
3	Shell-Thick	SLU-SISMICA	-16.0084	-0.6516	-4.25	0.73
3	Shell-Thick	SLE-RARA	-8.0531	0.0603	-3.43	0.27
3	Shell-Thick	SLE-RARA	-7.8838	0.0999	-3.39	0.27
3	Shell-Thick	SLE-RARA	-7.3733	-0.3212	-3.39	0.18
3	Shell-Thick	SLE-RARA	-7.5398	-0.3076	-3.43	0.18
3	Shell-Thick	SLE-FREQ.	-7.3906	0.0497	-3.37	0.22
3	Shell-Thick	SLE-FREQ.	-7.2330	0.0838	-3.33	0.22
3	Shell-Thick	SLE-FREQ.	-6.7316	-0.2946	-3.33	0.14
3	Shell-Thick	SLE-FREQ.	-6.8867	-0.2811	-3.37	0.14
3	Shell-Thick	SLE-QP	-5.4031	0.0177	-3.18	7.259E-02
3	Shell-Thick	SLE-QP	-5.2804	0.0355	-3.15	7.259E-02
3	Shell-Thick	SLE-QP	-4.8065	-0.2146	-3.15	8.402E-03
3	Shell-Thick	SLE-QP	-4.9276	-0.2015	-3.18	8.402E-03
4	Shell-Thick	SLU-STATICA	-10.0168	-0.3803	-4.46	0.26
4	Shell-Thick	SLU-STATICA	-9.7867	-0.3559	-4.47	0.26
4	Shell-Thick	SLU-STATICA	-9.1173	0.0341	-4.47	0.30
4	Shell-Thick	SLU-STATICA	-9.3466	0.0263	-4.46	0.30
4	Shell-Thick	SLU-SISMICA	-15.3010	-0.5474	-4.29	0.71
4	Shell-Thick	SLU-SISMICA	-14.9666	-0.4839	-4.32	0.71
4	Shell-Thick	SLU-SISMICA	-14.3219	0.0631	-4.32	0.78
4	Shell-Thick	SLU-SISMICA	-14.6541	0.0401	-4.29	0.78
4	Shell-Thick	SLE-RARA	-7.3268	-0.2798	-3.38	0.17
4	Shell-Thick	SLE-RARA	-7.1577	-0.2633	-3.40	0.17
4	Shell-Thick	SLE-RARA	-6.6492	0.0244	-3.40	0.20
4	Shell-Thick	SLE-RARA	-6.8178	0.0192	-3.38	0.20
4	Shell-Thick	SLE-FREQ.	-6.7119	-0.2592	-3.31	0.13
4	Shell-Thick	SLE-FREQ.	-6.5555	-0.2463	-3.33	0.13
4	Shell-Thick	SLE-FREQ.	-6.0576	0.0214	-3.33	0.16
4	Shell-Thick	SLE-FREQ.	-6.2135	0.0176	-3.31	0.16
4	Shell-Thick	SLE-QP	-4.8672	-0.1973	-3.10	4.526E-03
4	Shell-Thick	SLE-QP	-4.7490	-0.1952	-3.11	4.526E-03
4	Shell-Thick	SLE-QP	-4.2826	0.0125	-3.11	2.611E-02
4	Shell-Thick	SLE-QP	-4.4007	0.0128	-3.10	2.611E-02
5	Shell-Thick	SLU-STATICA	-9.2345	0.0378	-4.48	0.30
5	Shell-Thick	SLU-STATICA	-9.0330	0.0619	-4.46	0.30
5	Shell-Thick	SLU-STATICA	-8.3627	-0.3461	-4.46	0.23
5	Shell-Thick	SLU-STATICA	-8.5633	-0.3524	-4.48	0.23
5	Shell-Thick	SLU-SISMICA	-14.2351	0.1002	-4.45	0.77
5	Shell-Thick	SLU-SISMICA	-13.9326	0.1648	-4.41	0.77
5	Shell-Thick	SLU-SISMICA	-13.2688	-0.5463	-4.41	0.67

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5	Shell-Thick	SLU-SISMICA	-13.5690	-0.5652	-4.45	0.67
5	Shell-Thick	SLE-RARA	-6.7482	0.0255	-3.40	0.20
5	Shell-Thick	SLE-RARA	-6.6005	0.0418	-3.38	0.20
5	Shell-Thick	SLE-RARA	-6.0923	-0.2523	-3.38	0.15
5	Shell-Thick	SLE-RARA	-6.2393	-0.2564	-3.40	0.15
5	Shell-Thick	SLE-FREQ.	-6.1709	0.0197	-3.32	0.16
5	Shell-Thick	SLE-FREQ.	-6.0351	0.0323	-3.30	0.16
5	Shell-Thick	SLE-FREQ.	-5.5389	-0.2296	-3.30	0.11
5	Shell-Thick	SLE-FREQ.	-5.6741	-0.2326	-3.32	0.11
5	Shell-Thick	SLE-QP	-4.4389	0.0025	-3.07	2.488E-02
5	Shell-Thick	SLE-QP	-4.3389	0.0039	-3.06	2.488E-02
5	Shell-Thick	SLE-QP	-3.8786	-0.1616	-3.06	-8.966E-03
5	Shell-Thick	SLE-QP	-3.9785	-0.1611	-3.07	-8.966E-03
6	Shell-Thick	SLU-STATICA	-8.5993	-0.3572	-4.66	0.23
6	Shell-Thick	SLU-STATICA	-8.4186	-0.3596	-4.67	0.23
6	Shell-Thick	SLU-STATICA	-7.7180	0.0998	-4.67	0.27
6	Shell-Thick	SLU-STATICA	-7.9004	0.0686	-4.66	0.27
6	Shell-Thick	SLU-SISMICA	-13.3680	-0.5298	-4.84	0.67
6	Shell-Thick	SLU-SISMICA	-13.0912	-0.5060	-4.86	0.67
6	Shell-Thick	SLU-SISMICA	-12.3631	0.1508	-4.86	0.73
6	Shell-Thick	SLU-SISMICA	-12.6416	0.0934	-4.84	0.73
6	Shell-Thick	SLE-RARA	-6.2784	-0.2621	-3.52	0.15
6	Shell-Thick	SLE-RARA	-6.1463	-0.2652	-3.53	0.15
6	Shell-Thick	SLE-RARA	-5.6168	0.0731	-3.53	0.18
6	Shell-Thick	SLE-RARA	-5.7502	0.0507	-3.52	0.18
6	Shell-Thick	SLE-FREQ.	-5.7317	-0.2415	-3.42	0.11
6	Shell-Thick	SLE-FREQ.	-5.6107	-0.2467	-3.43	0.11
6	Shell-Thick	SLE-FREQ.	-5.0966	0.0671	-3.43	0.14
6	Shell-Thick	SLE-FREQ.	-5.2188	0.0474	-3.42	0.14
6	Shell-Thick	SLE-QP	-4.0916	-0.1795	-3.11	-6.837E-03
6	Shell-Thick	SLE-QP	-4.0041	-0.1910	-3.12	-6.837E-03
6	Shell-Thick	SLE-QP	-3.5359	0.0491	-3.12	8.568E-03
6	Shell-Thick	SLE-QP	-3.6246	0.0376	-3.11	8.568E-03
7	Shell-Thick	SLU-STATICA	-8.0522	0.0541	-4.83	0.27
7	Shell-Thick	SLU-STATICA	-7.8686	0.0538	-4.80	0.27
7	Shell-Thick	SLU-STATICA	-7.1459	-0.3139	-4.80	0.20
7	Shell-Thick	SLU-STATICA	-7.3309	-0.3418	-4.83	0.20
7	Shell-Thick	SLU-SISMICA	-12.6159	0.1147	-5.21	0.74
7	Shell-Thick	SLU-SISMICA	-12.3239	0.1424	-5.16	0.74
7	Shell-Thick	SLU-SISMICA	-11.5456	-0.5140	-5.16	0.63
7	Shell-Thick	SLU-SISMICA	-11.8388	-0.5657	-5.21	0.63
7	Shell-Thick	SLE-RARA	-5.8741	0.0380	-3.64	0.19
7	Shell-Thick	SLE-RARA	-5.7404	0.0363	-3.62	0.19
7	Shell-Thick	SLE-RARA	-5.1955	-0.2279	-3.62	0.13
7	Shell-Thick	SLE-RARA	-5.3303	-0.2478	-3.64	0.13
7	Shell-Thick	SLE-FREQ.	-5.3542	0.0321	-3.52	0.14
7	Shell-Thick	SLE-FREQ.	-5.2327	0.0281	-3.50	0.14
7	Shell-Thick	SLE-FREQ.	-4.7058	-0.2058	-3.50	9.168E-02
7	Shell-Thick	SLE-FREQ.	-4.8284	-0.2233	-3.52	9.168E-02
7	Shell-Thick	SLE-QP	-3.7946	0.0143	-3.16	1.384E-02
7	Shell-Thick	SLE-QP	-3.7097	0.0036	-3.14	1.384E-02
7	Shell-Thick	SLE-QP	-3.2368	-0.1396	-3.14	-2.339E-02
7	Shell-Thick	SLE-QP	-3.3228	-0.1498	-3.16	-2.339E-02
8	Shell-Thick	SLU-STATICA	-7.5562	-0.3649	-5.11	0.21
8	Shell-Thick	SLU-STATICA	-7.4226	-0.3912	-5.13	0.21
8	Shell-Thick	SLU-STATICA	-6.6522	0.1956	-5.13	0.25
8	Shell-Thick	SLU-STATICA	-6.7900	0.1426	-5.11	0.25
8	Shell-Thick	SLU-SISMICA	-11.9231	-0.5575	-5.75	0.64
8	Shell-Thick	SLU-SISMICA	-11.7056	-0.5710	-5.78	0.64
8	Shell-Thick	SLU-SISMICA	-10.8378	0.2934	-5.78	0.71
8	Shell-Thick	SLU-SISMICA	-11.0608	0.2017	-5.75	0.71
8	Shell-Thick	SLE-RARA	-5.5081	-0.2669	-3.84	0.14
8	Shell-Thick	SLE-RARA	-5.4110	-0.2875	-3.85	0.14
8	Shell-Thick	SLE-RARA	-4.8321	0.1433	-3.85	0.17
8	Shell-Thick	SLE-RARA	-4.9323	0.1051	-3.84	0.17
8	Shell-Thick	SLE-FREQ.	-5.0134	-0.2445	-3.70	9.958E-02
8	Shell-Thick	SLE-FREQ.	-4.9256	-0.2656	-3.71	9.958E-02
8	Shell-Thick	SLE-FREQ.	-4.3690	0.1318	-3.71	0.13
8	Shell-Thick	SLE-FREQ.	-4.4597	0.0976	-3.70	0.13

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8	Shell-Thick	SLE-QP	-3.5294	-0.1773	-3.25	-1.649E-02
8	Shell-Thick	SLE-QP	-3.4694	-0.2000	-3.26	-1.649E-02
8	Shell-Thick	SLE-QP	-2.9796	0.0971	-3.26	-3.943E-04
8	Shell-Thick	SLE-QP	-3.0419	0.0753	-3.25	-3.943E-04
9	Shell-Thick	SLU-STATICA	-7.1121	0.1166	-5.36	0.27
9	Shell-Thick	SLU-STATICA	-6.9506	0.0975	-5.33	0.27
9	Shell-Thick	SLU-STATICA	-6.1472	-0.3212	-5.33	0.18
9	Shell-Thick	SLU-STATICA	-6.3120	-0.3662	-5.36	0.18
9	Shell-Thick	SLU-SISMICA	-11.2991	0.2059	-6.23	0.73
9	Shell-Thick	SLU-SISMICA	-11.0276	0.2036	-6.18	0.73
9	Shell-Thick	SLU-SISMICA	-10.0943	-0.5406	-6.18	0.59
9	Shell-Thick	SLU-SISMICA	-10.3700	-0.6198	-6.23	0.59
9	Shell-Thick	SLE-RARA	-5.1805	0.0839	-4.02	0.18
9	Shell-Thick	SLE-RARA	-5.0636	0.0686	-3.99	0.18
9	Shell-Thick	SLE-RARA	-4.4613	-0.2325	-3.99	0.11
9	Shell-Thick	SLE-RARA	-4.5807	-0.2649	-4.02	0.11
9	Shell-Thick	SLE-FREQ.	-4.7087	0.0745	-3.85	0.14
9	Shell-Thick	SLE-FREQ.	-4.6037	0.0582	-3.82	0.14
9	Shell-Thick	SLE-FREQ.	-4.0270	-0.2087	-3.82	7.611E-02
9	Shell-Thick	SLE-FREQ.	-4.1343	-0.2375	-3.85	7.611E-02
9	Shell-Thick	SLE-QP	-3.2932	0.0463	-3.34	9.981E-03
9	Shell-Thick	SLE-QP	-3.2240	0.0269	-3.32	9.981E-03
9	Shell-Thick	SLE-QP	-2.7239	-0.1374	-3.32	-3.431E-02
9	Shell-Thick	SLE-QP	-2.7950	-0.1554	-3.34	-3.431E-02
10	Shell-Thick	SLU-STATICA	-6.6489	-0.3979	-5.72	0.19
10	Shell-Thick	SLU-STATICA	-6.5834	-0.4442	-5.74	0.19
10	Shell-Thick	SLU-STATICA	-5.7212	0.3461	-5.74	0.25
10	Shell-Thick	SLU-STATICA	-5.7929	0.2738	-5.72	0.25
10	Shell-Thick	SLU-SISMICA	-10.6321	-0.6246	-6.89	0.61
10	Shell-Thick	SLU-SISMICA	-10.5104	-0.6714	-6.92	0.61
10	Shell-Thick	SLU-SISMICA	-9.4700	0.5281	-6.92	0.71
10	Shell-Thick	SLU-SISMICA	-9.6005	0.4045	-6.89	0.71
10	Shell-Thick	SLE-RARA	-4.8396	-0.2902	-4.27	0.13
10	Shell-Thick	SLE-RARA	-4.7928	-0.3253	-4.29	0.13
10	Shell-Thick	SLE-RARA	-4.1484	0.2532	-4.29	0.17
10	Shell-Thick	SLE-RARA	-4.1998	0.2010	-4.27	0.17
10	Shell-Thick	SLE-FREQ.	-4.3930	-0.2644	-4.07	8.858E-02
10	Shell-Thick	SLE-FREQ.	-4.3519	-0.2986	-4.09	8.858E-02
10	Shell-Thick	SLE-FREQ.	-3.7381	0.2320	-4.09	0.13
10	Shell-Thick	SLE-FREQ.	-3.7833	0.1853	-4.07	0.13
10	Shell-Thick	SLE-QP	-3.0529	-0.1870	-3.47	-2.431E-02
10	Shell-Thick	SLE-QP	-3.0292	-0.2185	-3.48	-2.431E-02
10	Shell-Thick	SLE-QP	-2.5070	0.1684	-3.48	2.213E-03
10	Shell-Thick	SLE-QP	-2.5339	0.1382	-3.47	2.213E-03
11	Shell-Thick	SLU-STATICA	-6.2131	0.2468	-5.97	0.28
11	Shell-Thick	SLU-STATICA	-6.0806	0.2172	-5.93	0.28
11	Shell-Thick	SLU-STATICA	-5.1859	-0.3872	-5.93	0.16
11	Shell-Thick	SLU-STATICA	-5.3227	-0.4424	-5.97	0.16
11	Shell-Thick	SLU-SISMICA	-10.0042	0.4069	-7.40	0.75
11	Shell-Thick	SLU-SISMICA	-9.7656	0.3858	-7.33	0.75
11	Shell-Thick	SLU-SISMICA	-8.6579	-0.6587	-7.33	0.55
11	Shell-Thick	SLU-SISMICA	-8.9025	-0.7555	-7.40	0.55
11	Shell-Thick	SLE-RARA	-4.5190	0.1791	-4.46	0.19
11	Shell-Thick	SLE-RARA	-4.4239	0.1562	-4.42	0.19
11	Shell-Thick	SLE-RARA	-3.7565	-0.2799	-4.42	0.10
11	Shell-Thick	SLE-RARA	-3.8549	-0.3196	-4.46	0.10
11	Shell-Thick	SLE-FREQ.	-4.0961	0.1615	-4.23	0.15
11	Shell-Thick	SLE-FREQ.	-4.0120	0.1385	-4.20	0.15
11	Shell-Thick	SLE-FREQ.	-3.3786	-0.2507	-4.20	6.543E-02
11	Shell-Thick	SLE-FREQ.	-3.4656	-0.2860	-4.23	6.543E-02
11	Shell-Thick	SLE-QP	-2.8271	0.1088	-3.55	1.641E-02
11	Shell-Thick	SLE-QP	-2.7763	0.0853	-3.52	1.641E-02
11	Shell-Thick	SLE-QP	-2.2447	-0.1631	-3.52	-3.925E-02
11	Shell-Thick	SLE-QP	-2.2979	-0.1852	-3.55	-3.925E-02
12	Shell-Thick	SLU-STATICA	-5.6426	-0.4695	-6.28	0.18
12	Shell-Thick	SLU-STATICA	-5.7090	-0.5287	-6.34	0.18
12	Shell-Thick	SLU-STATICA	-4.7585	0.6223	-6.34	0.35
12	Shell-Thick	SLU-STATICA	-4.6998	0.5327	-6.28	0.35
12	Shell-Thick	SLU-SISMICA	-9.1525	-0.7539	-8.03	0.58



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12	Shell-Thick	SLU-SISMICA	-9.2317	-0.8250	-8.13	0.58
12	Shell-Thick	SLU-SISMICA	-8.0134	0.9678	-8.13	0.83
12	Shell-Thick	SLU-SISMICA	-7.9458	0.8149	-8.03	0.83
12	Shell-Thick	SLE-RARA	-4.1007	-0.3416	-4.67	0.11
12	Shell-Thick	SLE-RARA	-4.1504	-0.3858	-4.72	0.11
12	Shell-Thick	SLE-RARA	-3.4435	0.4543	-4.72	0.24
12	Shell-Thick	SLE-RARA	-3.3995	0.3896	-4.67	0.24
12	Shell-Thick	SLE-FREQ.	-3.7111	-0.3098	-4.41	7.846E-02
12	Shell-Thick	SLE-FREQ.	-3.7585	-0.3520	-4.45	7.846E-02
12	Shell-Thick	SLE-FREQ.	-3.0911	0.4147	-4.45	0.19
12	Shell-Thick	SLE-FREQ.	-3.0489	0.3568	-4.41	0.19
12	Shell-Thick	SLE-QP	-2.5425	-0.2144	-3.63	-2.919E-02
12	Shell-Thick	SLE-QP	-2.5830	-0.2504	-3.66	-2.919E-02
12	Shell-Thick	SLE-QP	-2.0339	0.2959	-3.66	5.618E-02
12	Shell-Thick	SLE-QP	-1.9972	0.2585	-3.63	5.618E-02
13	Shell-Thick	SLU-STATICA	-5.0783	0.5304	-6.37	0.38
13	Shell-Thick	SLU-STATICA	-4.9831	0.5040	-6.24	0.38
13	Shell-Thick	SLU-STATICA	-4.0354	-0.5895	-6.24	2.587E-02
13	Shell-Thick	SLU-STATICA	-4.1344	-0.6395	-6.37	2.587E-02
13	Shell-Thick	SLU-SISMICA	-8.3113	0.8544	-8.40	0.88
13	Shell-Thick	SLU-SISMICA	-8.1177	0.8343	-8.19	0.88
13	Shell-Thick	SLU-SISMICA	-6.8708	-0.9905	-8.19	0.33
13	Shell-Thick	SLU-SISMICA	-7.0701	-1.0812	-8.40	0.33
13	Shell-Thick	SLE-RARA	-3.6869	0.3858	-4.73	0.26
13	Shell-Thick	SLE-RARA	-3.6197	0.3655	-4.63	0.26
13	Shell-Thick	SLE-RARA	-2.9165	-0.4267	-4.63	4.434E-03
13	Shell-Thick	SLE-RARA	-2.9866	-0.4626	-4.73	4.434E-03
13	Shell-Thick	SLE-FREQ.	-3.3303	0.3496	-4.44	0.22
13	Shell-Thick	SLE-FREQ.	-3.2728	0.3293	-4.35	0.22
13	Shell-Thick	SLE-FREQ.	-2.6116	-0.3832	-4.35	-2.069E-02
13	Shell-Thick	SLE-FREQ.	-2.6717	-0.4149	-4.44	-2.069E-02
13	Shell-Thick	SLE-QP	-2.2605	0.2412	-3.60	7.320E-02
13	Shell-Thick	SLE-QP	-2.2323	0.2209	-3.53	7.320E-02
13	Shell-Thick	SLE-QP	-1.6968	-0.2528	-3.53	-9.608E-02
13	Shell-Thick	SLE-QP	-1.7270	-0.2718	-3.60	-9.608E-02
14	Shell-Thick	SLU-STATICA	-3.7679	-0.5948	-5.44	1.583E-02
14	Shell-Thick	SLU-STATICA	-4.3394	-0.6217	-6.19	1.583E-02
14	Shell-Thick	SLU-STATICA	-3.4626	1.3741	-6.19	1.96
14	Shell-Thick	SLU-STATICA	-2.9001	1.2325	-5.44	1.96
14	Shell-Thick	SLU-SISMICA	-6.2296	-0.9596	-7.47	0.31
14	Shell-Thick	SLU-SISMICA	-7.1226	-0.9944	-8.53	0.31
14	Shell-Thick	SLU-SISMICA	-5.9155	2.1272	-8.53	3.05
14	Shell-Thick	SLU-SISMICA	-5.0366	1.8972	-7.47	3.05
14	Shell-Thick	SLE-RARA	-2.7324	-0.4325	-4.02	-2.849E-03
14	Shell-Thick	SLE-RARA	-3.1495	-0.4525	-4.57	-2.849E-03
14	Shell-Thick	SLE-RARA	-2.5015	1.0037	-4.57	1.43
14	Shell-Thick	SLE-RARA	-2.0910	0.9008	-4.02	1.43
14	Shell-Thick	SLE-FREQ.	-2.4628	-0.3919	-3.76	-2.726E-02
14	Shell-Thick	SLE-FREQ.	-2.8431	-0.4107	-4.27	-2.726E-02
14	Shell-Thick	SLE-FREQ.	-2.2383	0.9171	-4.27	1.31
14	Shell-Thick	SLE-FREQ.	-1.8639	0.8240	-3.76	1.31
14	Shell-Thick	SLE-QP	-1.6537	-0.2700	-2.96	-0.10
14	Shell-Thick	SLE-QP	-1.9240	-0.2853	-3.35	-0.10
14	Shell-Thick	SLE-QP	-1.4485	0.6572	-3.35	0.93
14	Shell-Thick	SLE-QP	-1.1825	0.5935	-2.96	0.93
15	Shell-Thick	SLU-STATICA	-13.7504	-0.9977	-5.28	2.42
15	Shell-Thick	SLU-STATICA	-12.2770	-0.8262	-4.64	2.42
15	Shell-Thick	SLU-STATICA	-11.7359	-0.4518	-4.64	1.61
15	Shell-Thick	SLU-STATICA	-13.2055	-0.6306	-5.28	1.61
15	Shell-Thick	SLU-SISMICA	-20.6160	-1.2302	-5.30	4.70
15	Shell-Thick	SLU-SISMICA	-18.4485	-0.8801	-4.36	4.70
15	Shell-Thick	SLU-SISMICA	-17.9234	-0.4353	-4.36	3.51
15	Shell-Thick	SLU-SISMICA	-20.0839	-0.7987	-5.30	3.51
15	Shell-Thick	SLE-RARA	-10.0771	-0.7444	-4.00	1.72
15	Shell-Thick	SLE-RARA	-8.9952	-0.6233	-3.53	1.72
15	Shell-Thick	SLE-RARA	-8.5844	-0.3432	-3.53	1.13
15	Shell-Thick	SLE-RARA	-9.6636	-0.4695	-4.00	1.13
15	Shell-Thick	SLE-FREQ.	-9.2644	-0.7070	-3.90	1.49
15	Shell-Thick	SLE-FREQ.	-8.2663	-0.6035	-3.47	1.49

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15	Shell-Thick	SLE-FREQ.	-7.8643	-0.3361	-3.47	0.94
15	Shell-Thick	SLE-FREQ.	-8.8600	-0.4441	-3.90	0.94
15	Shell-Thick	SLE-QP	-6.8264	-0.5946	-3.60	0.80
15	Shell-Thick	SLE-QP	-6.0794	-0.5441	-3.28	0.80
15	Shell-Thick	SLE-QP	-5.7038	-0.3148	-3.28	0.39
15	Shell-Thick	SLE-QP	-6.4494	-0.3679	-3.60	0.39
16	Shell-Thick	SLU-STATICA	-11.9552	-0.4656	-4.80	1.56
16	Shell-Thick	SLU-STATICA	-11.5048	-0.3206	-4.56	1.56
16	Shell-Thick	SLU-STATICA	-10.9813	-0.7597	-4.56	1.26
16	Shell-Thick	SLU-STATICA	-11.4541	-0.8591	-4.80	1.26
16	Shell-Thick	SLU-SISMICA	-18.0116	-0.5132	-4.58	3.42
16	Shell-Thick	SLU-SISMICA	-17.3863	-0.1989	-4.24	3.42
16	Shell-Thick	SLU-SISMICA	-16.8861	-0.9529	-4.24	3.00
16	Shell-Thick	SLU-SISMICA	-17.5461	-1.1963	-4.58	3.00
16	Shell-Thick	SLE-RARA	-8.7572	-0.3505	-3.65	1.09
16	Shell-Thick	SLE-RARA	-8.4246	-0.2490	-3.47	1.09
16	Shell-Thick	SLE-RARA	-8.0267	-0.5660	-3.47	0.87
16	Shell-Thick	SLE-RARA	-8.3757	-0.6341	-3.65	0.87
16	Shell-Thick	SLE-FREQ.	-8.0436	-0.3379	-3.58	0.91
16	Shell-Thick	SLE-FREQ.	-7.7335	-0.2528	-3.41	0.91
16	Shell-Thick	SLE-FREQ.	-7.3436	-0.5362	-3.41	0.70
16	Shell-Thick	SLE-FREQ.	-7.6685	-0.5908	-3.58	0.70
16	Shell-Thick	SLE-QP	-5.9027	-0.3003	-3.36	0.36
16	Shell-Thick	SLE-QP	-5.6604	-0.2644	-3.24	0.36
16	Shell-Thick	SLE-QP	-5.2941	-0.4467	-3.24	0.21
16	Shell-Thick	SLE-QP	-5.5470	-0.4607	-3.36	0.21
17	Shell-Thick	SLU-STATICA	-10.8678	-0.7512	-4.56	1.25
17	Shell-Thick	SLU-STATICA	-10.4375	-0.6415	-4.47	1.25
17	Shell-Thick	SLU-STATICA	-9.7595	-0.4081	-4.47	1.10
17	Shell-Thick	SLU-STATICA	-10.1919	-0.5026	-4.56	1.10
17	Shell-Thick	SLU-SISMICA	-16.4605	-0.9917	-4.33	2.98
17	Shell-Thick	SLU-SISMICA	-15.8333	-0.7298	-4.19	2.98
17	Shell-Thick	SLU-SISMICA	-15.1928	-0.4595	-4.19	2.74
17	Shell-Thick	SLU-SISMICA	-15.8238	-0.6956	-4.33	2.74
17	Shell-Thick	SLE-RARA	-7.9563	-0.5572	-3.46	0.86
17	Shell-Thick	SLE-RARA	-7.6401	-0.4817	-3.40	0.86
17	Shell-Thick	SLE-RARA	-7.1244	-0.3067	-3.40	0.75
17	Shell-Thick	SLE-RARA	-7.4422	-0.3712	-3.46	0.75
17	Shell-Thick	SLE-FREQ.	-7.3005	-0.5237	-3.40	0.70
17	Shell-Thick	SLE-FREQ.	-7.0083	-0.4626	-3.34	0.70
17	Shell-Thick	SLE-FREQ.	-6.5022	-0.2949	-3.34	0.60
17	Shell-Thick	SLE-FREQ.	-6.7959	-0.3462	-3.40	0.60
17	Shell-Thick	SLE-QP	-5.3331	-0.4232	-3.20	0.21
17	Shell-Thick	SLE-QP	-5.1129	-0.4052	-3.16	0.21
17	Shell-Thick	SLE-QP	-4.6357	-0.2595	-3.16	0.14
17	Shell-Thick	SLE-QP	-4.8569	-0.2712	-3.20	0.14
18	Shell-Thick	SLU-STATICA	-9.8615	-0.4534	-4.41	1.09
18	Shell-Thick	SLU-STATICA	-9.5236	-0.3441	-4.38	1.09
18	Shell-Thick	SLU-STATICA	-8.8619	-0.6055	-4.38	1.03
18	Shell-Thick	SLU-STATICA	-9.2049	-0.6801	-4.41	1.03
18	Shell-Thick	SLU-SISMICA	-15.0724	-0.5712	-4.22	2.72
18	Shell-Thick	SLU-SISMICA	-14.5684	-0.3087	-4.17	2.72
18	Shell-Thick	SLU-SISMICA	-13.9350	-0.8040	-4.17	2.64
18	Shell-Thick	SLU-SISMICA	-14.4477	-1.0076	-4.22	2.64
18	Shell-Thick	SLE-RARA	-7.2128	-0.3377	-3.35	0.74
18	Shell-Thick	SLE-RARA	-6.9650	-0.2625	-3.33	0.74
18	Shell-Thick	SLE-RARA	-6.4622	-0.4489	-3.33	0.70
18	Shell-Thick	SLE-RARA	-6.7137	-0.4990	-3.35	0.70
18	Shell-Thick	SLE-FREQ.	-6.6067	-0.3197	-3.28	0.59
18	Shell-Thick	SLE-FREQ.	-6.3787	-0.2589	-3.26	0.59
18	Shell-Thick	SLE-FREQ.	-5.8859	-0.4215	-3.26	0.55
18	Shell-Thick	SLE-FREQ.	-6.1173	-0.4598	-3.28	0.55
18	Shell-Thick	SLE-QP	-4.7885	-0.2656	-3.08	0.13
18	Shell-Thick	SLE-QP	-4.6198	-0.2482	-3.07	0.13
18	Shell-Thick	SLE-QP	-4.1572	-0.3394	-3.07	0.10
18	Shell-Thick	SLE-QP	-4.3281	-0.3422	-3.08	0.10
19	Shell-Thick	SLU-STATICA	-9.1148	-0.6670	-4.53	1.03
19	Shell-Thick	SLU-STATICA	-8.7910	-0.5864	-4.49	1.03
19	Shell-Thick	SLU-STATICA	-8.1148	-0.3057	-4.49	0.96

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19	Shell-Thick	SLU-STATICA	-8.4369	-0.3976	-4.53	0.96
19	Shell-Thick	SLU-SISMICA	-14.0535	-0.9380	-4.53	2.63
19	Shell-Thick	SLU-SISMICA	-13.5593	-0.7195	-4.47	2.63
19	Shell-Thick	SLU-SISMICA	-12.8851	-0.3617	-4.47	2.53
19	Shell-Thick	SLU-SISMICA	-13.3776	-0.5918	-4.53	2.53
19	Shell-Thick	SLE-RARA	-6.6606	-0.4919	-3.43	0.70
19	Shell-Thick	SLE-RARA	-6.4237	-0.4377	-3.41	0.70
19	Shell-Thick	SLE-RARA	-5.9112	-0.2288	-3.41	0.65
19	Shell-Thick	SLE-RARA	-6.1468	-0.2916	-3.43	0.65
19	Shell-Thick	SLE-FREQ.	-6.0905	-0.4575	-3.35	0.55
19	Shell-Thick	SLE-FREQ.	-5.8735	-0.4160	-3.32	0.55
19	Shell-Thick	SLE-FREQ.	-5.3734	-0.2186	-3.32	0.50
19	Shell-Thick	SLE-FREQ.	-5.5892	-0.2684	-3.35	0.50
19	Shell-Thick	SLE-QP	-4.3802	-0.3543	-3.10	0.10
19	Shell-Thick	SLE-QP	-4.2227	-0.3508	-3.08	0.10
19	Shell-Thick	SLE-QP	-3.7601	-0.1878	-3.08	6.745E-02
19	Shell-Thick	SLE-QP	-3.9164	-0.1989	-3.10	6.745E-02
20	Shell-Thick	SLU-STATICA	-8.4868	-0.4055	-4.60	0.96
20	Shell-Thick	SLU-STATICA	-8.1746	-0.3197	-4.59	0.96
20	Shell-Thick	SLU-STATICA	-7.4846	-0.5156	-4.59	0.93
20	Shell-Thick	SLU-STATICA	-7.7978	-0.5944	-4.60	0.93
20	Shell-Thick	SLU-SISMICA	-13.1948	-0.5538	-4.75	2.53
20	Shell-Thick	SLU-SISMICA	-12.6999	-0.3261	-4.73	2.53
20	Shell-Thick	SLU-SISMICA	-11.9871	-0.7176	-4.73	2.50
20	Shell-Thick	SLU-SISMICA	-12.4846	-0.9271	-4.75	2.50
20	Shell-Thick	SLE-RARA	-6.1962	-0.2998	-3.48	0.65
20	Shell-Thick	SLE-RARA	-5.9688	-0.2419	-3.47	0.65
20	Shell-Thick	SLE-RARA	-5.4471	-0.3806	-3.47	0.63
20	Shell-Thick	SLE-RARA	-5.6752	-0.4339	-3.48	0.63
20	Shell-Thick	SLE-FREQ.	-5.6565	-0.2803	-3.38	0.50
20	Shell-Thick	SLE-FREQ.	-5.4497	-0.2354	-3.37	0.50
20	Shell-Thick	SLE-FREQ.	-4.9427	-0.3546	-3.37	0.48
20	Shell-Thick	SLE-FREQ.	-5.1501	-0.3958	-3.38	0.48
20	Shell-Thick	SLE-QP	-4.0375	-0.2215	-3.09	6.868E-02
20	Shell-Thick	SLE-QP	-3.8925	-0.2160	-3.08	6.868E-02
20	Shell-Thick	SLE-QP	-3.4298	-0.2767	-3.08	5.295E-02
20	Shell-Thick	SLE-QP	-3.5748	-0.2817	-3.09	5.295E-02
21	Shell-Thick	SLU-STATICA	-7.9380	-0.6188	-4.87	0.94
21	Shell-Thick	SLU-STATICA	-7.6865	-0.5596	-4.84	0.94
21	Shell-Thick	SLU-STATICA	-6.9606	-0.1929	-4.84	0.88
21	Shell-Thick	SLU-STATICA	-7.2065	-0.2914	-4.87	0.88
21	Shell-Thick	SLU-SISMICA	-12.4322	-0.9143	-5.28	2.50
21	Shell-Thick	SLU-SISMICA	-12.0264	-0.7278	-5.23	2.50
21	Shell-Thick	SLU-SISMICA	-11.2416	-0.2273	-5.23	2.41
21	Shell-Thick	SLU-SISMICA	-11.6395	-0.4681	-5.28	2.41
21	Shell-Thick	SLE-RARA	-5.7910	-0.4542	-3.67	0.63
21	Shell-Thick	SLE-RARA	-5.6081	-0.4156	-3.65	0.63
21	Shell-Thick	SLE-RARA	-5.0610	-0.1444	-3.65	0.59
21	Shell-Thick	SLE-RARA	-5.2397	-0.2120	-3.67	0.59
21	Shell-Thick	SLE-FREQ.	-5.2789	-0.4187	-3.55	0.49
21	Shell-Thick	SLE-FREQ.	-5.1131	-0.3916	-3.53	0.49
21	Shell-Thick	SLE-FREQ.	-4.5844	-0.1380	-3.53	0.45
21	Shell-Thick	SLE-FREQ.	-4.7462	-0.1922	-3.55	0.45
21	Shell-Thick	SLE-QP	-3.7426	-0.3123	-3.18	5.531E-02
21	Shell-Thick	SLE-QP	-3.6283	-0.3194	-3.16	5.531E-02
21	Shell-Thick	SLE-QP	-3.1546	-0.1189	-3.16	2.567E-02
21	Shell-Thick	SLE-QP	-3.2657	-0.1330	-3.18	2.567E-02
22	Shell-Thick	SLU-STATICA	-7.4806	-0.3269	-5.05	0.89
22	Shell-Thick	SLU-STATICA	-7.1896	-0.2579	-5.04	0.89
22	Shell-Thick	SLU-STATICA	-6.4343	-0.4281	-5.04	0.87
22	Shell-Thick	SLU-STATICA	-6.7230	-0.5127	-5.05	0.87
22	Shell-Thick	SLU-SISMICA	-11.7991	-0.4721	-5.65	2.43
22	Shell-Thick	SLU-SISMICA	-11.3134	-0.2696	-5.64	2.43
22	Shell-Thick	SLU-SISMICA	-10.4682	-0.6222	-5.64	2.41
22	Shell-Thick	SLU-SISMICA	-10.9515	-0.8414	-5.65	2.41
22	Shell-Thick	SLE-RARA	-5.4532	-0.2405	-3.79	0.60
22	Shell-Thick	SLE-RARA	-5.2423	-0.1949	-3.79	0.60
22	Shell-Thick	SLE-RARA	-4.6745	-0.3147	-3.79	0.59
22	Shell-Thick	SLE-RARA	-4.8836	-0.3721	-3.79	0.59

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22	Shell-Thick	SLE-FREQ.	-4.9638	-0.2226	-3.65	0.46
22	Shell-Thick	SLE-FREQ.	-4.7742	-0.1891	-3.64	0.46
22	Shell-Thick	SLE-FREQ.	-4.2278	-0.2910	-3.64	0.45
22	Shell-Thick	SLE-FREQ.	-4.4157	-0.3360	-3.65	0.45
22	Shell-Thick	SLE-QP	-3.4957	-0.1691	-3.22	3.287E-02
22	Shell-Thick	SLE-QP	-3.3697	-0.1718	-3.22	3.287E-02
22	Shell-Thick	SLE-QP	-2.8875	-0.2198	-3.22	2.248E-02
22	Shell-Thick	SLE-QP	-3.0120	-0.2274	-3.22	2.248E-02
23	Shell-Thick	SLU-STATICA	-7.0043	-0.5599	-5.42	0.88
23	Shell-Thick	SLU-STATICA	-6.8418	-0.5186	-5.38	0.88
23	Shell-Thick	SLU-STATICA	-6.0365	-0.0352	-5.38	0.83
23	Shell-Thick	SLU-STATICA	-6.1893	-0.1426	-5.42	0.83
23	Shell-Thick	SLU-SISMICA	-11.1164	-0.8637	-6.32	2.42
23	Shell-Thick	SLU-SISMICA	-10.8310	-0.7055	-6.27	2.42
23	Shell-Thick	SLU-SISMICA	-9.8933	-0.0121	-6.27	2.34
23	Shell-Thick	SLU-SISMICA	-10.1644	-0.2679	-6.32	2.34
23	Shell-Thick	SLE-RARA	-5.1025	-0.4091	-4.06	0.59
23	Shell-Thick	SLE-RARA	-4.9855	-0.3837	-4.03	0.59
23	Shell-Thick	SLE-RARA	-4.3819	-0.0278	-4.03	0.55
23	Shell-Thick	SLE-RARA	-4.4918	-0.1018	-4.06	0.55
23	Shell-Thick	SLE-FREQ.	-4.6388	-0.3741	-3.88	0.45
23	Shell-Thick	SLE-FREQ.	-4.5348	-0.3588	-3.86	0.45
23	Shell-Thick	SLE-FREQ.	-3.9569	-0.0290	-3.86	0.41
23	Shell-Thick	SLE-FREQ.	-4.0544	-0.0890	-3.88	0.41
23	Shell-Thick	SLE-QP	-3.2476	-0.2689	-3.36	2.696E-02
23	Shell-Thick	SLE-QP	-3.1825	-0.2844	-3.34	2.696E-02
23	Shell-Thick	SLE-QP	-2.6819	-0.0327	-3.34	9.570E-04
23	Shell-Thick	SLE-QP	-2.7421	-0.0505	-3.36	9.570E-04
24	Shell-Thick	SLU-STATICA	-6.6266	-0.1948	-5.63	0.85
24	Shell-Thick	SLU-STATICA	-6.3622	-0.1355	-5.63	0.85
24	Shell-Thick	SLU-STATICA	-5.5194	-0.3202	-5.63	0.86
24	Shell-Thick	SLU-STATICA	-5.7794	-0.4099	-5.63	0.86
24	Shell-Thick	SLU-SISMICA	-10.5854	-0.2980	-6.75	2.37
24	Shell-Thick	SLU-SISMICA	-10.1207	-0.1117	-6.75	2.37
24	Shell-Thick	SLU-SISMICA	-9.1105	-0.4885	-6.75	2.38
24	Shell-Thick	SLU-SISMICA	-9.5692	-0.7159	-6.75	2.38
24	Shell-Thick	SLE-RARA	-4.8240	-0.1425	-4.21	0.57
24	Shell-Thick	SLE-RARA	-4.6336	-0.1039	-4.21	0.57
24	Shell-Thick	SLE-RARA	-4.0033	-0.2343	-4.21	0.58
24	Shell-Thick	SLE-RARA	-4.1904	-0.2954	-4.21	0.58
24	Shell-Thick	SLE-FREQ.	-4.3797	-0.1305	-4.01	0.43
24	Shell-Thick	SLE-FREQ.	-4.2105	-0.1033	-4.02	0.43
24	Shell-Thick	SLE-FREQ.	-3.6095	-0.2147	-4.02	0.44
24	Shell-Thick	SLE-FREQ.	-3.7756	-0.2629	-4.01	0.44
24	Shell-Thick	SLE-QP	-3.0469	-0.0945	-3.43	1.319E-02
24	Shell-Thick	SLE-QP	-2.9411	-0.1015	-3.43	1.319E-02
24	Shell-Thick	SLE-QP	-2.4280	-0.1559	-3.43	1.971E-02
24	Shell-Thick	SLE-QP	-2.5313	-0.1657	-3.43	1.971E-02
25	Shell-Thick	SLU-STATICA	-6.1104	-0.4696	-6.05	0.87
25	Shell-Thick	SLU-STATICA	-6.0906	-0.4410	-6.03	0.87
25	Shell-Thick	SLU-STATICA	-5.1909	0.2121	-6.03	0.84
25	Shell-Thick	SLU-STATICA	-5.1975	0.0926	-6.05	0.84
25	Shell-Thick	SLU-SISMICA	-9.8208	-0.7582	-7.52	2.39
25	Shell-Thick	SLU-SISMICA	-9.7450	-0.6234	-7.48	2.39
25	Shell-Thick	SLU-SISMICA	-8.6294	0.3504	-7.48	2.32
25	Shell-Thick	SLU-SISMICA	-8.6847	0.0758	-7.52	2.32
25	Shell-Thick	SLE-RARA	-4.4452	-0.3415	-4.51	0.58
25	Shell-Thick	SLE-RARA	-4.4330	-0.3251	-4.50	0.58
25	Shell-Thick	SLE-RARA	-3.7620	0.1539	-4.50	0.56
25	Shell-Thick	SLE-RARA	-3.7646	0.0710	-4.51	0.56
25	Shell-Thick	SLE-FREQ.	-4.0307	-0.3093	-4.28	0.44
25	Shell-Thick	SLE-FREQ.	-4.0233	-0.3021	-4.27	0.44
25	Shell-Thick	SLE-FREQ.	-3.3867	0.1387	-4.27	0.42
25	Shell-Thick	SLE-FREQ.	-3.3852	0.0706	-4.28	0.42
25	Shell-Thick	SLE-QP	-2.7871	-0.2129	-3.58	2.337E-02
25	Shell-Thick	SLE-QP	-2.7945	-0.2331	-3.58	2.337E-02
25	Shell-Thick	SLE-QP	-2.2607	0.0932	-3.58	1.753E-02
25	Shell-Thick	SLE-QP	-2.2469	0.0695	-3.58	1.753E-02
26	Shell-Thick	SLU-STATICA	-5.7298	0.0358	-6.19	0.87

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26	Shell-Thick	SLU-STATICA	-5.5034	0.1000	-6.25	0.87
26	Shell-Thick	SLU-STATICA	-4.5729	-0.1295	-6.25	0.98
26	Shell-Thick	SLU-STATICA	-4.7945	-0.2263	-6.19	0.98
26	Shell-Thick	SLU-SISMICA	-9.2741	0.0378	-7.88	2.37
26	Shell-Thick	SLU-SISMICA	-8.8523	0.2260	-7.95	2.37
26	Shell-Thick	SLU-SISMICA	-7.6680	-0.2197	-7.95	2.50
26	Shell-Thick	SLU-SISMICA	-8.0830	-0.4552	-7.88	2.50
26	Shell-Thick	SLE-RARA	-4.1651	0.0271	-4.60	0.59
26	Shell-Thick	SLE-RARA	-4.0033	0.0695	-4.65	0.59
26	Shell-Thick	SLE-RARA	-3.3108	-0.0937	-4.65	0.67
26	Shell-Thick	SLE-RARA	-3.4691	-0.1600	-4.60	0.67
26	Shell-Thick	SLE-FREQ.	-3.7711	0.0262	-4.35	0.45
26	Shell-Thick	SLE-FREQ.	-3.6294	0.0574	-4.40	0.45
26	Shell-Thick	SLE-FREQ.	-2.9748	-0.0839	-4.40	0.52
26	Shell-Thick	SLE-FREQ.	-3.1133	-0.1373	-4.35	0.52
26	Shell-Thick	SLE-QP	-2.5892	0.0237	-3.59	3.375E-02
26	Shell-Thick	SLE-QP	-2.5076	0.0212	-3.63	3.375E-02
26	Shell-Thick	SLE-QP	-1.9668	-0.0548	-3.63	0.10
26	Shell-Thick	SLE-QP	-2.0460	-0.0690	-3.59	0.10
27	Shell-Thick	SLU-STATICA	-4.9654	-0.2789	-6.44	0.97
27	Shell-Thick	SLU-STATICA	-5.2357	-0.2436	-6.55	0.97
27	Shell-Thick	SLU-STATICA	-4.2699	0.6949	-6.55	1.16
27	Shell-Thick	SLU-STATICA	-3.9828	0.5447	-6.44	1.16
27	Shell-Thick	SLU-SISMICA	-8.0997	-0.4864	-8.51	2.48
27	Shell-Thick	SLU-SISMICA	-8.4745	-0.3531	-8.62	2.48
27	Shell-Thick	SLU-SISMICA	-7.2026	1.0831	-8.62	2.67
27	Shell-Thick	SLU-SISMICA	-6.8012	0.7677	-8.51	2.67
27	Shell-Thick	SLE-RARA	-3.6063	-0.2010	-4.77	0.66
27	Shell-Thick	SLE-RARA	-3.8059	-0.1791	-4.86	0.66
27	Shell-Thick	SLE-RARA	-3.0893	0.5072	-4.86	0.81
27	Shell-Thick	SLE-RARA	-2.8775	0.4017	-4.77	0.81
27	Shell-Thick	SLE-FREQ.	-3.2598	-0.1790	-4.49	0.52
27	Shell-Thick	SLE-FREQ.	-3.4459	-0.1657	-4.57	0.52
27	Shell-Thick	SLE-FREQ.	-2.7722	0.4628	-4.57	0.66
27	Shell-Thick	SLE-FREQ.	-2.5750	0.3734	-4.49	0.66
27	Shell-Thick	SLE-QP	-2.2203	-0.1130	-3.62	9.532E-02
27	Shell-Thick	SLE-QP	-2.3658	-0.1255	-3.70	9.532E-02
27	Shell-Thick	SLE-QP	-1.8206	0.3295	-3.70	0.23
27	Shell-Thick	SLE-QP	-1.6673	0.2888	-3.62	0.23
28	Shell-Thick	SLU-STATICA	-4.3471	0.5034	-5.92	1.19
28	Shell-Thick	SLU-STATICA	-4.3369	0.6500	-6.62	1.19
28	Shell-Thick	SLU-STATICA	-3.3976	0.6619	-6.62	2.39
28	Shell-Thick	SLU-STATICA	-3.4054	0.4969	-5.92	2.39
28	Shell-Thick	SLU-SISMICA	-7.1333	0.7601	-8.11	2.72
28	Shell-Thick	SLU-SISMICA	-7.0773	1.0494	-9.00	2.72
28	Shell-Thick	SLU-SISMICA	-5.7958	0.9755	-9.00	4.27
28	Shell-Thick	SLU-SISMICA	-5.8479	0.6573	-8.11	4.27
28	Shell-Thick	SLE-RARA	-3.1551	0.3687	-4.38	0.82
28	Shell-Thick	SLE-RARA	-3.1497	0.4726	-4.90	0.82
28	Shell-Thick	SLE-RARA	-2.4550	0.4859	-4.90	1.72
28	Shell-Thick	SLE-RARA	-2.4587	0.3685	-4.38	1.72
28	Shell-Thick	SLE-FREQ.	-2.8484	0.3385	-4.09	0.68
28	Shell-Thick	SLE-FREQ.	-2.8469	0.4281	-4.58	0.68
28	Shell-Thick	SLE-FREQ.	-2.1974	0.4481	-4.58	1.52
28	Shell-Thick	SLE-FREQ.	-2.1973	0.3463	-4.09	1.52
28	Shell-Thick	SLE-QP	-1.9281	0.2479	-3.23	0.24
28	Shell-Thick	SLE-QP	-1.9383	0.2947	-3.63	0.24
28	Shell-Thick	SLE-QP	-1.4246	0.3349	-3.63	0.94
28	Shell-Thick	SLE-QP	-1.4133	0.2795	-3.23	0.94
29	Shell-Thick	SLU-STATICA	-12.3319	-1.0434	-4.63	3.28
29	Shell-Thick	SLU-STATICA	-11.4890	-0.7592	-4.26	3.28
29	Shell-Thick	SLU-STATICA	-10.9928	-0.8617	-4.26	2.80
29	Shell-Thick	SLU-STATICA	-11.8553	-1.1060	-4.63	2.80
29	Shell-Thick	SLU-SISMICA	-18.5083	-1.0881	-4.34	6.98
29	Shell-Thick	SLU-SISMICA	-17.2617	-0.4885	-3.70	6.98
29	Shell-Thick	SLU-SISMICA	-16.8076	-0.7786	-3.70	6.16
29	Shell-Thick	SLU-SISMICA	-18.0823	-1.3205	-4.34	6.16
29	Shell-Thick	SLE-RARA	-9.0366	-0.7884	-3.52	2.30
29	Shell-Thick	SLE-RARA	-8.4180	-0.5887	-3.25	2.30

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29	Shell-Thick	SLE-RARA	-8.0400	-0.6571	-3.25	1.96
29	Shell-Thick	SLE-RARA	-8.6729	-0.8274	-3.52	1.96
29	Shell-Thick	SLE-FREQ.	-8.3062	-0.7653	-3.46	1.94
29	Shell-Thick	SLE-FREQ.	-7.7361	-0.5964	-3.22	1.94
29	Shell-Thick	SLE-FREQ.	-7.3639	-0.6477	-3.22	1.63
29	Shell-Thick	SLE-FREQ.	-7.9473	-0.7893	-3.46	1.63
29	Shell-Thick	SLE-QP	-6.1150	-0.6960	-3.27	0.86
29	Shell-Thick	SLE-QP	-5.6902	-0.6196	-3.12	0.86
29	Shell-Thick	SLE-QP	-5.3356	-0.6197	-3.12	0.66
29	Shell-Thick	SLE-QP	-5.7706	-0.6753	-3.27	0.66
30	Shell-Thick	SLU-STATICA	-11.5803	-1.0542	-4.62	2.80
30	Shell-Thick	SLU-STATICA	-10.8476	-0.8295	-4.34	2.80
30	Shell-Thick	SLU-STATICA	-10.3587	-0.7041	-4.34	2.45
30	Shell-Thick	SLU-STATICA	-11.0878	-0.9357	-4.62	2.45
30	Shell-Thick	SLU-SISMICA	-17.4809	-1.1999	-4.33	6.16
30	Shell-Thick	SLU-SISMICA	-16.3935	-0.6960	-3.89	6.16
30	Shell-Thick	SLU-SISMICA	-15.9473	-0.6140	-3.89	5.60
30	Shell-Thick	SLU-SISMICA	-17.0275	-1.1321	-4.33	5.60
30	Shell-Thick	SLE-RARA	-8.4808	-0.7915	-3.52	1.96
30	Shell-Thick	SLE-RARA	-7.9433	-0.6352	-3.31	1.96
30	Shell-Thick	SLE-RARA	-7.5707	-0.5380	-3.31	1.70
30	Shell-Thick	SLE-RARA	-8.1057	-0.6992	-3.52	1.70
30	Shell-Thick	SLE-FREQ.	-7.7868	-0.7600	-3.46	1.63
30	Shell-Thick	SLE-FREQ.	-7.2917	-0.6305	-3.27	1.63
30	Shell-Thick	SLE-FREQ.	-6.9248	-0.5321	-3.27	1.40
30	Shell-Thick	SLE-FREQ.	-7.4177	-0.6658	-3.46	1.40
30	Shell-Thick	SLE-QP	-5.7047	-0.6655	-3.27	0.66
30	Shell-Thick	SLE-QP	-5.3369	-0.6165	-3.14	0.66
30	Shell-Thick	SLE-QP	-4.9869	-0.5146	-3.14	0.49
30	Shell-Thick	SLE-QP	-5.3537	-0.5657	-3.27	0.49
31	Shell-Thick	SLU-STATICA	-10.5139	-0.8508	-4.43	2.43
31	Shell-Thick	SLU-STATICA	-10.1062	-0.6237	-4.30	2.43
31	Shell-Thick	SLU-STATICA	-9.4480	-0.9240	-4.30	2.20
31	Shell-Thick	SLU-STATICA	-9.8632	-1.0992	-4.43	2.20
31	Shell-Thick	SLU-SISMICA	-15.9345	-0.9552	-4.12	5.57
31	Shell-Thick	SLU-SISMICA	-15.3234	-0.4475	-3.91	5.57
31	Shell-Thick	SLU-SISMICA	-14.7153	-1.0346	-3.91	5.21
31	Shell-Thick	SLU-SISMICA	-15.3377	-1.4645	-4.12	5.21
31	Shell-Thick	SLE-RARA	-7.6967	-0.6395	-3.37	1.68
31	Shell-Thick	SLE-RARA	-7.3979	-0.4814	-3.27	1.68
31	Shell-Thick	SLE-RARA	-6.8966	-0.6946	-3.27	1.52
31	Shell-Thick	SLE-RARA	-7.2010	-0.8147	-3.37	1.52
31	Shell-Thick	SLE-FREQ.	-7.0614	-0.6151	-3.31	1.38
31	Shell-Thick	SLE-FREQ.	-6.7867	-0.4840	-3.22	1.38
31	Shell-Thick	SLE-FREQ.	-6.2937	-0.6684	-3.22	1.23
31	Shell-Thick	SLE-FREQ.	-6.5735	-0.7646	-3.31	1.23
31	Shell-Thick	SLE-QP	-5.1557	-0.5421	-3.14	0.48
31	Shell-Thick	SLE-QP	-4.9532	-0.4918	-3.08	0.48
31	Shell-Thick	SLE-QP	-4.4850	-0.5898	-3.08	0.38
31	Shell-Thick	SLE-QP	-4.6912	-0.6143	-3.14	0.38
32	Shell-Thick	SLU-STATICA	-9.6160	-1.0548	-4.43	2.19
32	Shell-Thick	SLU-STATICA	-9.2194	-0.8733	-4.35	2.19
32	Shell-Thick	SLU-STATICA	-8.5605	-0.6401	-4.35	2.06
32	Shell-Thick	SLU-STATICA	-8.9561	-0.8282	-4.43	2.06
32	Shell-Thick	SLU-SISMICA	-14.6999	-1.3423	-4.26	5.20
32	Shell-Thick	SLU-SISMICA	-14.0940	-0.9049	-4.13	5.20
32	Shell-Thick	SLU-SISMICA	-13.4658	-0.6535	-4.13	4.99
32	Shell-Thick	SLU-SISMICA	-14.0699	-1.1024	-4.26	4.99
32	Shell-Thick	SLE-RARA	-7.0331	-0.7849	-3.37	1.51
32	Shell-Thick	SLE-RARA	-6.7430	-0.6601	-3.31	1.51
32	Shell-Thick	SLE-RARA	-6.2422	-0.4844	-3.31	1.41
32	Shell-Thick	SLE-RARA	-6.5316	-0.6139	-3.37	1.41
32	Shell-Thick	SLE-FREQ.	-6.4419	-0.7420	-3.30	1.23
32	Shell-Thick	SLE-FREQ.	-6.1762	-0.6413	-3.25	1.23
32	Shell-Thick	SLE-FREQ.	-5.6852	-0.4713	-3.25	1.14
32	Shell-Thick	SLE-FREQ.	-5.9503	-0.5762	-3.30	1.14
32	Shell-Thick	SLE-QP	-4.6683	-0.6130	-3.10	0.37
32	Shell-Thick	SLE-QP	-4.4756	-0.5846	-3.06	0.37
32	Shell-Thick	SLE-QP	-4.0141	-0.4322	-3.06	0.31

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32	Shell-Thick	SLE-QP	-4.2064	-0.4632	-3.10	0.31
33	Shell-Thick	SLU-STATICA	-8.8729	-0.8168	-4.45	2.05
33	Shell-Thick	SLU-STATICA	-8.5208	-0.6269	-4.40	2.05
33	Shell-Thick	SLU-STATICA	-7.8544	-0.8064	-4.40	1.96
33	Shell-Thick	SLU-STATICA	-8.2110	-0.9658	-4.45	1.96
33	Shell-Thick	SLU-SISMICA	-13.6795	-1.0303	-4.40	4.98
33	Shell-Thick	SLU-SISMICA	-13.1210	-0.5785	-4.33	4.98
33	Shell-Thick	SLU-SISMICA	-12.4624	-0.9625	-4.33	4.85
33	Shell-Thick	SLU-SISMICA	-13.0279	-1.3662	-4.40	4.85
33	Shell-Thick	SLE-RARA	-6.4839	-0.6083	-3.38	1.41
33	Shell-Thick	SLE-RARA	-6.2273	-0.4774	-3.34	1.41
33	Shell-Thick	SLE-RARA	-5.7220	-0.6033	-3.34	1.34
33	Shell-Thick	SLE-RARA	-5.9818	-0.7119	-3.38	1.34
33	Shell-Thick	SLE-FREQ.	-5.9290	-0.5757	-3.30	1.13
33	Shell-Thick	SLE-FREQ.	-5.6957	-0.4697	-3.26	1.13
33	Shell-Thick	SLE-FREQ.	-5.2022	-0.5756	-3.26	1.07
33	Shell-Thick	SLE-FREQ.	-5.4384	-0.6614	-3.30	1.07
33	Shell-Thick	SLE-QP	-4.2644	-0.4781	-3.06	0.31
33	Shell-Thick	SLE-QP	-4.1009	-0.4463	-3.03	0.31
33	Shell-Thick	SLE-QP	-3.6429	-0.4925	-3.03	0.26
33	Shell-Thick	SLE-QP	-3.8084	-0.5101	-3.06	0.26
34	Shell-Thick	SLU-STATICA	-8.2600	-0.9771	-4.64	1.96
34	Shell-Thick	SLU-STATICA	-7.9541	-0.8248	-4.59	1.96
34	Shell-Thick	SLU-STATICA	-7.2635	-0.5051	-4.59	1.88
34	Shell-Thick	SLU-STATICA	-7.5651	-0.6871	-4.64	1.88
34	Shell-Thick	SLU-SISMICA	-12.8294	-1.3290	-4.81	4.85
34	Shell-Thick	SLU-SISMICA	-12.3381	-0.9350	-4.75	4.85
34	Shell-Thick	SLU-SISMICA	-11.6243	-0.5306	-4.75	4.73
34	Shell-Thick	SLU-SISMICA	-12.1088	-0.9703	-4.81	4.73
34	Shell-Thick	SLE-RARA	-6.0312	-0.7229	-3.51	1.34
34	Shell-Thick	SLE-RARA	-5.8087	-0.6195	-3.47	1.34
34	Shell-Thick	SLE-RARA	-5.2865	-0.3815	-3.47	1.28
34	Shell-Thick	SLE-RARA	-5.5059	-0.5065	-3.51	1.28
34	Shell-Thick	SLE-FREQ.	-5.5070	-0.6761	-3.41	1.07
34	Shell-Thick	SLE-FREQ.	-5.3052	-0.5951	-3.37	1.07
34	Shell-Thick	SLE-FREQ.	-4.7978	-0.3700	-3.37	1.02
34	Shell-Thick	SLE-FREQ.	-4.9968	-0.4708	-3.41	1.02
34	Shell-Thick	SLE-QP	-3.9343	-0.5359	-3.10	0.26
34	Shell-Thick	SLE-QP	-3.7946	-0.5221	-3.08	0.26
34	Shell-Thick	SLE-QP	-3.3317	-0.3355	-3.08	0.22
34	Shell-Thick	SLE-QP	-3.4693	-0.3635	-3.10	0.22
35	Shell-Thick	SLU-STATICA	-7.7603	-0.7149	-4.79	1.89
35	Shell-Thick	SLU-STATICA	-7.4239	-0.5484	-4.76	1.89
35	Shell-Thick	SLU-STATICA	-6.7070	-0.6705	-4.76	1.83
35	Shell-Thick	SLU-STATICA	-7.0448	-0.8274	-4.79	1.83
35	Shell-Thick	SLU-SISMICA	-12.1416	-0.9583	-5.15	4.75
35	Shell-Thick	SLU-SISMICA	-11.5810	-0.5405	-5.10	4.75
35	Shell-Thick	SLU-SISMICA	-10.8102	-0.8302	-5.10	4.66
35	Shell-Thick	SLU-SISMICA	-11.3733	-1.2309	-5.15	4.66
35	Shell-Thick	SLE-RARA	-5.6619	-0.5296	-3.61	1.29
35	Shell-Thick	SLE-RARA	-5.4182	-0.4159	-3.59	1.29
35	Shell-Thick	SLE-RARA	-4.8777	-0.5001	-3.59	1.24
35	Shell-Thick	SLE-RARA	-5.1224	-0.6068	-3.61	1.24
35	Shell-Thick	SLE-FREQ.	-5.1623	-0.4966	-3.49	1.02
35	Shell-Thick	SLE-FREQ.	-4.9430	-0.4063	-3.47	1.02
35	Shell-Thick	SLE-FREQ.	-4.4202	-0.4747	-3.47	0.98
35	Shell-Thick	SLE-FREQ.	-4.6404	-0.5587	-3.49	0.98
35	Shell-Thick	SLE-QP	-3.6633	-0.3974	-3.14	0.22
35	Shell-Thick	SLE-QP	-3.5173	-0.3775	-3.12	0.22
35	Shell-Thick	SLE-QP	-3.0478	-0.3983	-3.12	0.19
35	Shell-Thick	SLE-QP	-3.1944	-0.4143	-3.14	0.19
36	Shell-Thick	SLU-STATICA	-7.2631	-0.8692	-5.09	1.83
36	Shell-Thick	SLU-STATICA	-7.0459	-0.7402	-5.05	1.83
36	Shell-Thick	SLU-STATICA	-6.2888	-0.3192	-5.05	1.77
36	Shell-Thick	SLU-STATICA	-6.4980	-0.5030	-5.09	1.77
36	Shell-Thick	SLU-SISMICA	-11.4311	-1.2405	-5.72	4.67
36	Shell-Thick	SLU-SISMICA	-11.0574	-0.8816	-5.67	4.67
36	Shell-Thick	SLU-SISMICA	-10.2092	-0.3065	-5.67	4.57
36	Shell-Thick	SLU-SISMICA	-10.5704	-0.7510	-5.72	4.57



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36	Shell-Thick	SLE-RARA	-5.2959	-0.6401	-3.83	1.25
36	Shell-Thick	SLE-RARA	-5.1391	-0.5538	-3.80	1.25
36	Shell-Thick	SLE-RARA	-4.5699	-0.2425	-3.80	1.20
36	Shell-Thick	SLE-RARA	-4.7209	-0.3688	-3.83	1.20
36	Shell-Thick	SLE-FREQ.	-4.8228	-0.5938	-3.68	0.98
36	Shell-Thick	SLE-FREQ.	-4.6827	-0.5285	-3.65	0.98
36	Shell-Thick	SLE-FREQ.	-4.1351	-0.2375	-3.65	0.94
36	Shell-Thick	SLE-FREQ.	-4.2698	-0.3393	-3.68	0.94
36	Shell-Thick	SLE-QP	-3.4035	-0.4549	-3.24	0.19
36	Shell-Thick	SLE-QP	-3.3136	-0.4527	-3.22	0.19
36	Shell-Thick	SLE-QP	-2.8305	-0.2227	-3.22	0.16
36	Shell-Thick	SLE-QP	-2.9166	-0.2509	-3.24	0.16
37	Shell-Thick	SLU-STATICA	-6.9024	-0.5562	-5.32	1.78
37	Shell-Thick	SLU-STATICA	-6.5793	-0.4049	-5.30	1.78
37	Shell-Thick	SLU-STATICA	-5.7828	-0.4880	-5.30	1.75
37	Shell-Thick	SLU-STATICA	-6.1052	-0.6442	-5.32	1.75
37	Shell-Thick	SLU-SISMICA	-10.9313	-0.7782	-6.17	4.60
37	Shell-Thick	SLU-SISMICA	-10.3686	-0.3834	-6.14	4.60
37	Shell-Thick	SLU-SISMICA	-9.4456	-0.6103	-6.14	4.54
37	Shell-Thick	SLU-SISMICA	-10.0073	-1.0112	-6.17	4.54
37	Shell-Thick	SLE-RARA	-5.0295	-0.4104	-3.99	1.21
37	Shell-Thick	SLE-RARA	-4.7965	-0.3079	-3.97	1.21
37	Shell-Thick	SLE-RARA	-4.1993	-0.3637	-3.97	1.19
37	Shell-Thick	SLE-RARA	-4.4317	-0.4699	-3.99	1.19
37	Shell-Thick	SLE-FREQ.	-4.5744	-0.3820	-3.82	0.95
37	Shell-Thick	SLE-FREQ.	-4.3669	-0.3021	-3.81	0.95
37	Shell-Thick	SLE-FREQ.	-3.7948	-0.3447	-3.81	0.93
37	Shell-Thick	SLE-FREQ.	-4.0018	-0.4281	-3.82	0.93
37	Shell-Thick	SLE-QP	-3.2091	-0.2970	-3.32	0.17
37	Shell-Thick	SLE-QP	-3.0778	-0.2846	-3.31	0.17
37	Shell-Thick	SLE-QP	-2.5811	-0.2876	-3.31	0.15
37	Shell-Thick	SLE-QP	-2.7119	-0.3029	-3.32	0.15
38	Shell-Thick	SLU-STATICA	-6.4190	-0.7067	-5.70	1.75
38	Shell-Thick	SLU-STATICA	-6.3225	-0.5963	-5.68	1.75
38	Shell-Thick	SLU-STATICA	-5.4748	-0.0431	-5.68	1.71
38	Shell-Thick	SLU-STATICA	-5.5595	-0.2342	-5.70	1.71
38	Shell-Thick	SLU-SISMICA	-10.2172	-1.0528	-6.86	4.55
38	Shell-Thick	SLU-SISMICA	-10.0162	-0.7248	-6.82	4.55
38	Shell-Thick	SLU-SISMICA	-8.9997	0.0699	-6.82	4.47
38	Shell-Thick	SLU-SISMICA	-9.1819	-0.3866	-6.86	4.47
38	Shell-Thick	SLE-RARA	-4.6747	-0.5182	-4.26	1.19
38	Shell-Thick	SLE-RARA	-4.6068	-0.4454	-4.25	1.19
38	Shell-Thick	SLE-RARA	-3.9729	-0.0383	-4.25	1.16
38	Shell-Thick	SLE-RARA	-4.0322	-0.1698	-4.26	1.16
38	Shell-Thick	SLE-FREQ.	-4.2473	-0.4770	-4.06	0.93
38	Shell-Thick	SLE-FREQ.	-4.1896	-0.4239	-4.05	0.93
38	Shell-Thick	SLE-FREQ.	-3.5852	-0.0466	-4.05	0.91
38	Shell-Thick	SLE-FREQ.	-3.6351	-0.1531	-4.06	0.91
38	Shell-Thick	SLE-QP	-2.9651	-0.3533	-3.46	0.15
38	Shell-Thick	SLE-QP	-2.9382	-0.3593	-3.45	0.15
38	Shell-Thick	SLE-QP	-2.4223	-0.0716	-3.45	0.14
38	Shell-Thick	SLE-QP	-2.4437	-0.1030	-3.46	0.14
39	Shell-Thick	SLU-STATICA	-6.1316	-0.3046	-5.95	1.75
39	Shell-Thick	SLU-STATICA	-5.8219	-0.1564	-5.97	1.75
39	Shell-Thick	SLU-STATICA	-4.9281	-0.1972	-5.97	1.78
39	Shell-Thick	SLU-STATICA	-5.2363	-0.3559	-5.95	1.78
39	Shell-Thick	SLU-SISMICA	-9.8183	-0.4409	-7.35	4.52
39	Shell-Thick	SLU-SISMICA	-9.2573	-0.0547	-7.36	4.52
39	Shell-Thick	SLU-SISMICA	-8.1543	-0.2134	-7.36	4.54
39	Shell-Thick	SLU-SISMICA	-8.7129	-0.6160	-7.35	4.54
39	Shell-Thick	SLE-RARA	-4.4624	-0.2240	-4.44	1.18
39	Shell-Thick	SLE-RARA	-4.2403	-0.1236	-4.46	1.18
39	Shell-Thick	SLE-RARA	-3.5735	-0.1486	-4.46	1.21
39	Shell-Thick	SLE-RARA	-3.7945	-0.2567	-4.44	1.21
39	Shell-Thick	SLE-FREQ.	-4.0494	-0.2073	-4.21	0.93
39	Shell-Thick	SLE-FREQ.	-3.8534	-0.1289	-4.23	0.93
39	Shell-Thick	SLE-FREQ.	-3.2202	-0.1436	-4.23	0.96
39	Shell-Thick	SLE-FREQ.	-3.4152	-0.2290	-4.21	0.96
39	Shell-Thick	SLE-QP	-2.8104	-0.1572	-3.54	0.15



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39	Shell-Thick	SLE-QP	-2.6928	-0.1448	-3.56	0.15
39	Shell-Thick	SLE-QP	-2.1605	-0.1286	-3.56	0.19
39	Shell-Thick	SLE-QP	-2.2774	-0.1459	-3.54	0.19
40	Shell-Thick	SLU-STATICA	-5.5376	-0.4291	-6.33	1.78
40	Shell-Thick	SLU-STATICA	-5.6327	-0.3252	-6.38	1.78
40	Shell-Thick	SLU-STATICA	-4.6871	0.4254	-6.38	1.86
40	Shell-Thick	SLU-STATICA	-4.5761	0.2127	-6.33	1.86
40	Shell-Thick	SLU-SISMICA	-8.9155	-0.6744	-8.08	4.53
40	Shell-Thick	SLU-SISMICA	-9.0056	-0.3657	-8.12	4.53
40	Shell-Thick	SLU-SISMICA	-7.8031	0.7537	-8.12	4.59
40	Shell-Thick	SLU-SISMICA	-7.6872	0.2688	-8.08	4.59
40	Shell-Thick	SLE-RARA	-4.0277	-0.3130	-4.71	1.21
40	Shell-Thick	SLE-RARA	-4.1001	-0.2444	-4.75	1.21
40	Shell-Thick	SLE-RARA	-3.3963	0.3060	-4.75	1.28
40	Shell-Thick	SLE-RARA	-3.3124	0.1584	-4.71	1.28
40	Shell-Thick	SLE-FREQ.	-3.6508	-0.2851	-4.45	0.95
40	Shell-Thick	SLE-FREQ.	-3.7218	-0.2350	-4.49	0.95
40	Shell-Thick	SLE-FREQ.	-3.0565	0.2715	-4.49	1.02
40	Shell-Thick	SLE-FREQ.	-2.9751	0.1499	-4.45	1.02
40	Shell-Thick	SLE-QP	-2.5201	-0.2015	-3.67	0.18
40	Shell-Thick	SLE-QP	-2.5869	-0.2069	-3.71	0.18
40	Shell-Thick	SLE-QP	-2.0370	0.1679	-3.71	0.26
40	Shell-Thick	SLE-QP	-1.9630	0.1244	-3.67	0.26
41	Shell-Thick	SLU-STATICA	-5.2525	0.1328	-6.44	1.90
41	Shell-Thick	SLU-STATICA	-4.9704	0.3134	-6.67	1.90
41	Shell-Thick	SLU-STATICA	-3.9870	0.4258	-6.67	2.30
41	Shell-Thick	SLU-STATICA	-4.2686	0.2409	-6.44	2.30
41	Shell-Thick	SLU-SISMICA	-8.5082	0.2011	-8.45	4.66
41	Shell-Thick	SLU-SISMICA	-7.9828	0.6211	-8.71	4.66
41	Shell-Thick	SLU-SISMICA	-6.6959	0.7015	-8.71	5.10
41	Shell-Thick	SLU-SISMICA	-7.2201	0.2727	-8.45	5.10
41	Shell-Thick	SLE-RARA	-3.8178	0.0972	-4.78	1.30
41	Shell-Thick	SLE-RARA	-3.6161	0.2222	-4.95	1.30
41	Shell-Thick	SLE-RARA	-2.8861	0.3089	-4.95	1.60
41	Shell-Thick	SLE-RARA	-3.0874	0.1809	-4.78	1.60
41	Shell-Thick	SLE-FREQ.	-3.4561	0.0892	-4.50	1.05
41	Shell-Thick	SLE-FREQ.	-3.2794	0.1914	-4.66	1.05
41	Shell-Thick	SLE-FREQ.	-2.5923	0.2786	-4.66	1.33
41	Shell-Thick	SLE-FREQ.	-2.7687	0.1739	-4.50	1.33
41	Shell-Thick	SLE-QP	-2.3710	0.0651	-3.65	0.27
41	Shell-Thick	SLE-QP	-2.2692	0.0991	-3.79	0.27
41	Shell-Thick	SLE-QP	-1.7110	0.1878	-3.79	0.52
41	Shell-Thick	SLE-QP	-1.8127	0.1526	-3.65	0.52
42	Shell-Thick	SLU-STATICA	-4.3776	0.1575	-6.68	2.26
42	Shell-Thick	SLU-STATICA	-4.8363	0.3174	-7.20	2.26
42	Shell-Thick	SLU-STATICA	-3.8061	1.6218	-7.20	3.15
42	Shell-Thick	SLU-STATICA	-3.3256	1.3112	-6.68	3.15
42	Shell-Thick	SLU-SISMICA	-7.1359	0.2029	-9.13	5.05
42	Shell-Thick	SLU-SISMICA	-7.8273	0.5619	-9.70	5.05
42	Shell-Thick	SLU-SISMICA	-6.4326	2.5880	-9.70	6.04
42	Shell-Thick	SLU-SISMICA	-5.7052	1.9821	-9.13	6.04
42	Shell-Thick	SLE-RARA	-3.1797	0.1171	-4.94	1.57
42	Shell-Thick	SLE-RARA	-3.5157	0.2284	-5.33	1.57
42	Shell-Thick	SLE-RARA	-2.7532	1.1807	-5.33	2.24
42	Shell-Thick	SLE-RARA	-2.4013	0.9601	-4.94	2.24
42	Shell-Thick	SLE-FREQ.	-2.8746	0.1105	-4.62	1.31
42	Shell-Thick	SLE-FREQ.	-3.1832	0.2026	-4.99	1.31
42	Shell-Thick	SLE-FREQ.	-2.4695	1.0722	-4.99	1.95
42	Shell-Thick	SLE-FREQ.	-2.1466	0.8813	-4.62	1.95
42	Shell-Thick	SLE-QP	-1.9594	0.0907	-3.65	0.50
42	Shell-Thick	SLE-QP	-2.1857	0.1255	-3.98	0.50
42	Shell-Thick	SLE-QP	-1.6183	0.7466	-3.98	1.07
42	Shell-Thick	SLE-QP	-1.3823	0.6449	-3.65	1.07
43	Shell-Thick	SLU-STATICA	-11.5597	-1.3958	-4.30	4.37
43	Shell-Thick	SLU-STATICA	-10.7390	-1.0408	-4.03	4.37
43	Shell-Thick	SLU-STATICA	-10.2876	-0.7363	-4.03	4.02
43	Shell-Thick	SLU-STATICA	-11.0991	-1.1099	-4.30	4.02
43	Shell-Thick	SLU-SISMICA	-17.3489	-1.3580	-3.77	9.35
43	Shell-Thick	SLU-SISMICA	-16.1082	-0.5914	-3.26	9.35

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43	Shell-Thick	SLU-SISMICA	-15.7322	-0.2793	-3.26	8.71
43	Shell-Thick	SLU-SISMICA	-16.9550	-1.0818	-3.77	8.71
43	Shell-Thick	SLE-RARA	-8.4708	-1.0595	-3.29	3.06
43	Shell-Thick	SLE-RARA	-7.8698	-0.8111	-3.09	3.06
43	Shell-Thick	SLE-RARA	-7.5240	-0.5807	-3.09	2.81
43	Shell-Thick	SLE-RARA	-8.1184	-0.8424	-3.29	2.81
43	Shell-Thick	SLE-FREQ.	-7.7862	-1.0365	-3.25	2.58
43	Shell-Thick	SLE-FREQ.	-7.2345	-0.8280	-3.08	2.58
43	Shell-Thick	SLE-FREQ.	-6.8911	-0.6039	-3.08	2.36
43	Shell-Thick	SLE-FREQ.	-7.4370	-0.8239	-3.25	2.36
43	Shell-Thick	SLE-QP	-5.7323	-0.9675	-3.14	1.12
43	Shell-Thick	SLE-QP	-5.3286	-0.8788	-3.04	1.12
43	Shell-Thick	SLE-QP	-4.9922	-0.6736	-3.04	0.99
43	Shell-Thick	SLE-QP	-5.3928	-0.7685	-3.14	0.99
44	Shell-Thick	SLU-STATICA	-10.9151	-1.0863	-4.33	4.01
44	Shell-Thick	SLU-STATICA	-10.3088	-0.7273	-4.10	4.01
44	Shell-Thick	SLU-STATICA	-9.8361	-1.0071	-4.10	3.71
44	Shell-Thick	SLU-STATICA	-10.4655	-1.3192	-4.33	3.71
44	Shell-Thick	SLU-SISMICA	-16.4804	-0.9992	-3.87	8.70
44	Shell-Thick	SLU-SISMICA	-15.5561	-0.2318	-3.47	8.70
44	Shell-Thick	SLU-SISMICA	-15.1384	-0.7845	-3.47	8.20
44	Shell-Thick	SLU-SISMICA	-16.0953	-1.4856	-3.87	8.20
44	Shell-Thick	SLE-RARA	-7.9935	-0.8275	-3.30	2.80
44	Shell-Thick	SLE-RARA	-7.5499	-0.5758	-3.13	2.80
44	Shell-Thick	SLE-RARA	-7.1890	-0.7742	-3.13	2.59
44	Shell-Thick	SLE-RARA	-7.6496	-0.9913	-3.30	2.59
44	Shell-Thick	SLE-FREQ.	-7.3391	-0.8142	-3.26	2.35
44	Shell-Thick	SLE-FREQ.	-6.9325	-0.6023	-3.11	2.35
44	Shell-Thick	SLE-FREQ.	-6.5760	-0.7735	-3.11	2.16
44	Shell-Thick	SLE-FREQ.	-6.9984	-0.9532	-3.26	2.16
44	Shell-Thick	SLE-QP	-5.3757	-0.7745	-3.13	0.99
44	Shell-Thick	SLE-QP	-5.0804	-0.6819	-3.03	0.99
44	Shell-Thick	SLE-QP	-4.7370	-0.7711	-3.03	0.86
44	Shell-Thick	SLE-QP	-5.0445	-0.8388	-3.13	0.86
45	Shell-Thick	SLU-STATICA	-10.1852	-1.2702	-4.35	3.71
45	Shell-Thick	SLU-STATICA	-9.6589	-0.9646	-4.19	3.71
45	Shell-Thick	SLU-STATICA	-9.0187	-0.8361	-4.19	3.42
45	Shell-Thick	SLU-STATICA	-9.5436	-1.1509	-4.35	3.42
45	Shell-Thick	SLU-SISMICA	-15.4310	-1.3583	-4.00	8.19
45	Shell-Thick	SLU-SISMICA	-14.6265	-0.6765	-3.73	8.19
45	Shell-Thick	SLU-SISMICA	-14.0484	-0.6285	-3.73	7.74
45	Shell-Thick	SLU-SISMICA	-14.8495	-1.3326	-4.00	7.74
45	Shell-Thick	SLE-RARA	-7.4564	-0.9581	-3.32	2.59
45	Shell-Thick	SLE-RARA	-7.0714	-0.7453	-3.20	2.59
45	Shell-Thick	SLE-RARA	-6.5832	-0.6439	-3.20	2.38
45	Shell-Thick	SLE-RARA	-6.9672	-0.8630	-3.32	2.38
45	Shell-Thick	SLE-FREQ.	-6.8414	-0.9272	-3.26	2.15
45	Shell-Thick	SLE-FREQ.	-6.4888	-0.7506	-3.16	2.15
45	Shell-Thick	SLE-FREQ.	-6.0075	-0.6450	-3.16	1.97
45	Shell-Thick	SLE-FREQ.	-6.3593	-0.8268	-3.26	1.97
45	Shell-Thick	SLE-QP	-4.9966	-0.8346	-3.11	0.86
45	Shell-Thick	SLE-QP	-4.7411	-0.7665	-3.03	0.86
45	Shell-Thick	SLE-QP	-4.2806	-0.6486	-3.03	0.73
45	Shell-Thick	SLE-QP	-4.5358	-0.7181	-3.11	0.73
46	Shell-Thick	SLU-STATICA	-9.2946	-1.1125	-4.32	3.42
46	Shell-Thick	SLU-STATICA	-8.8887	-0.7986	-4.23	3.42
46	Shell-Thick	SLU-STATICA	-8.2438	-0.9929	-4.23	3.25
46	Shell-Thick	SLU-STATICA	-8.6568	-1.2586	-4.32	3.25
46	Shell-Thick	SLU-SISMICA	-14.2009	-1.2144	-4.08	7.73
46	Shell-Thick	SLU-SISMICA	-13.5583	-0.5191	-3.93	7.73
46	Shell-Thick	SLU-SISMICA	-12.9527	-0.9502	-3.93	7.47
46	Shell-Thick	SLU-SISMICA	-13.6053	-1.5767	-4.08	7.47
46	Shell-Thick	SLE-RARA	-6.7984	-0.8379	-3.29	2.37
46	Shell-Thick	SLE-RARA	-6.5026	-0.6191	-3.22	2.37
46	Shell-Thick	SLE-RARA	-6.0120	-0.7545	-3.22	2.25
46	Shell-Thick	SLE-RARA	-6.3130	-0.9378	-3.29	2.25
46	Shell-Thick	SLE-FREQ.	-6.2276	-0.8089	-3.23	1.96
46	Shell-Thick	SLE-FREQ.	-5.9585	-0.6268	-3.16	1.96
46	Shell-Thick	SLE-FREQ.	-5.4768	-0.7394	-3.16	1.85

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46	Shell-Thick	SLE-FREQ.	-5.7507	-0.8885	-3.23	1.85
46	Shell-Thick	SLE-QP	-4.5151	-0.7218	-3.04	0.72
46	Shell-Thick	SLE-QP	-4.3263	-0.6499	-3.00	0.72
46	Shell-Thick	SLE-QP	-3.8711	-0.6942	-3.00	0.64
46	Shell-Thick	SLE-QP	-4.0637	-0.7407	-3.04	0.64
47	Shell-Thick	SLU-STATICA	-8.6026	-1.2510	-4.45	3.24
47	Shell-Thick	SLU-STATICA	-8.2262	-0.9861	-4.37	3.24
47	Shell-Thick	SLU-STATICA	-7.5660	-0.7273	-4.37	3.11
47	Shell-Thick	SLU-STATICA	-7.9391	-1.0149	-4.45	3.11
47	Shell-Thick	SLU-SISMICA	-13.2421	-1.5060	-4.40	7.46
47	Shell-Thick	SLU-SISMICA	-12.6423	-0.8861	-4.29	7.46
47	Shell-Thick	SLU-SISMICA	-11.9934	-0.6031	-4.29	7.26
47	Shell-Thick	SLU-SISMICA	-12.5871	-1.2643	-4.40	7.26
47	Shell-Thick	SLE-RARA	-6.2874	-0.9352	-3.37	2.25
47	Shell-Thick	SLE-RARA	-6.0132	-0.7522	-3.32	2.25
47	Shell-Thick	SLE-RARA	-5.5124	-0.5573	-3.32	2.15
47	Shell-Thick	SLE-RARA	-5.7841	-0.7566	-3.37	2.15
47	Shell-Thick	SLE-FREQ.	-5.7511	-0.8912	-3.30	1.85
47	Shell-Thick	SLE-FREQ.	-5.5021	-0.7419	-3.24	1.85
47	Shell-Thick	SLE-FREQ.	-5.0127	-0.5538	-3.24	1.75
47	Shell-Thick	SLE-FREQ.	-5.2595	-0.7175	-3.30	1.75
47	Shell-Thick	SLE-QP	-4.1422	-0.7591	-3.06	0.64
47	Shell-Thick	SLE-QP	-3.9685	-0.7109	-3.02	0.64
47	Shell-Thick	SLE-QP	-3.5134	-0.5432	-3.02	0.57
47	Shell-Thick	SLE-QP	-3.6857	-0.6000	-3.06	0.57
48	Shell-Thick	SLU-STATICA	-8.0273	-1.0292	-4.56	3.11
48	Shell-Thick	SLU-STATICA	-7.6499	-0.7476	-4.50	3.11
48	Shell-Thick	SLU-STATICA	-6.9684	-0.8507	-4.50	3.01
48	Shell-Thick	SLU-STATICA	-7.3503	-1.1013	-4.56	3.01
48	Shell-Thick	SLU-SISMICA	-12.4499	-1.2272	-4.68	7.27
48	Shell-Thick	SLU-SISMICA	-11.8242	-0.5790	-4.60	7.27
48	Shell-Thick	SLU-SISMICA	-11.1242	-0.8536	-4.60	7.13
48	Shell-Thick	SLU-SISMICA	-11.7563	-1.4579	-4.68	7.13
48	Shell-Thick	SLE-RARA	-5.8623	-0.7700	-3.45	2.15
48	Shell-Thick	SLE-RARA	-5.5887	-0.5748	-3.40	2.15
48	Shell-Thick	SLE-RARA	-5.0732	-0.6444	-3.40	2.08
48	Shell-Thick	SLE-RARA	-5.3501	-0.8167	-3.45	2.08
48	Shell-Thick	SLE-FREQ.	-5.3543	-0.7347	-3.35	1.75
48	Shell-Thick	SLE-FREQ.	-5.1078	-0.5745	-3.31	1.75
48	Shell-Thick	SLE-FREQ.	-4.6066	-0.6283	-3.31	1.69
48	Shell-Thick	SLE-FREQ.	-4.8561	-0.7673	-3.35	1.69
48	Shell-Thick	SLE-QP	-3.8303	-0.6289	-3.06	0.57
48	Shell-Thick	SLE-QP	-3.6653	-0.5736	-3.03	0.57
48	Shell-Thick	SLE-QP	-3.2067	-0.5799	-3.03	0.52
48	Shell-Thick	SLE-QP	-3.3741	-0.6190	-3.06	0.52
49	Shell-Thick	SLU-STATICA	-7.4987	-1.1330	-4.80	3.01
49	Shell-Thick	SLU-STATICA	-7.2136	-0.8977	-4.75	3.01
49	Shell-Thick	SLU-STATICA	-6.5004	-0.5406	-4.75	2.91
49	Shell-Thick	SLU-STATICA	-6.7790	-0.8199	-4.80	2.91
49	Shell-Thick	SLU-SISMICA	-11.6982	-1.4477	-5.18	7.13
49	Shell-Thick	SLU-SISMICA	-11.2181	-0.8710	-5.10	7.13
49	Shell-Thick	SLU-SISMICA	-10.4527	-0.4167	-5.10	6.98
49	Shell-Thick	SLU-SISMICA	-10.9219	-1.0677	-5.18	6.98
49	Shell-Thick	SLE-RARA	-5.4728	-0.8429	-3.62	2.07
49	Shell-Thick	SLE-RARA	-5.2665	-0.6815	-3.58	2.07
49	Shell-Thick	SLE-RARA	-4.7287	-0.4158	-3.58	2.00
49	Shell-Thick	SLE-RARA	-4.9303	-0.6089	-3.62	2.00
49	Shell-Thick	SLE-FREQ.	-4.9927	-0.7962	-3.50	1.68
49	Shell-Thick	SLE-FREQ.	-4.8076	-0.6669	-3.46	1.68
49	Shell-Thick	SLE-FREQ.	-4.2873	-0.4157	-3.46	1.62
49	Shell-Thick	SLE-FREQ.	-4.4682	-0.5735	-3.50	1.62
49	Shell-Thick	SLE-QP	-3.5526	-0.6563	-3.14	0.52
49	Shell-Thick	SLE-QP	-3.4308	-0.6231	-3.11	0.52
49	Shell-Thick	SLE-QP	-2.9631	-0.4155	-3.11	0.46
49	Shell-Thick	SLE-QP	-3.0821	-0.4674	-3.14	0.46
50	Shell-Thick	SLU-STATICA	-7.1101	-0.8674	-5.01	2.92
50	Shell-Thick	SLU-STATICA	-6.7433	-0.6079	-4.97	2.92
50	Shell-Thick	SLU-STATICA	-5.9936	-0.6404	-4.97	2.85
50	Shell-Thick	SLU-STATICA	-6.3629	-0.8830	-5.01	2.85

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50	Shell-Thick	SLU-SISMICA	-11.1611	-1.0819	-5.59	7.01
50	Shell-Thick	SLU-SISMICA	-10.5276	-0.4654	-5.53	7.01
50	Shell-Thick	SLU-SISMICA	-9.6912	-0.6234	-5.53	6.91
50	Shell-Thick	SLU-SISMICA	-10.3279	-1.2176	-5.59	6.91
50	Shell-Thick	SLE-RARA	-5.1858	-0.6466	-3.77	2.01
50	Shell-Thick	SLE-RARA	-4.9211	-0.4678	-3.74	2.01
50	Shell-Thick	SLE-RARA	-4.3574	-0.4861	-3.74	1.96
50	Shell-Thick	SLE-RARA	-4.6238	-0.6524	-3.77	1.96
50	Shell-Thick	SLE-FREQ.	-4.7250	-0.6130	-3.63	1.62
50	Shell-Thick	SLE-FREQ.	-4.4888	-0.4679	-3.60	1.62
50	Shell-Thick	SLE-FREQ.	-3.9461	-0.4755	-3.60	1.58
50	Shell-Thick	SLE-FREQ.	-4.1840	-0.6089	-3.63	1.58
50	Shell-Thick	SLE-QP	-3.3427	-0.5123	-3.20	0.47
50	Shell-Thick	SLE-QP	-3.1918	-0.4685	-3.18	0.47
50	Shell-Thick	SLE-QP	-2.7121	-0.4437	-3.18	0.43
50	Shell-Thick	SLE-QP	-2.8644	-0.4781	-3.20	0.43
51	Shell-Thick	SLU-STATICA	-6.6426	-0.9421	-5.35	2.85
51	Shell-Thick	SLU-STATICA	-6.4632	-0.7312	-5.31	2.85
51	Shell-Thick	SLU-STATICA	-5.6685	-0.2654	-5.31	2.78
51	Shell-Thick	SLU-STATICA	-5.8380	-0.5439	-5.35	2.78
51	Shell-Thick	SLU-SISMICA	-10.4732	-1.2495	-6.22	6.91
51	Shell-Thick	SLU-SISMICA	-10.1397	-0.7102	-6.15	6.91
51	Shell-Thick	SLU-SISMICA	-9.2203	-0.0730	-6.15	6.79
51	Shell-Thick	SLU-SISMICA	-9.5372	-0.7253	-6.22	6.79
51	Shell-Thick	SLE-RARA	-4.8425	-0.6985	-4.01	1.96
51	Shell-Thick	SLE-RARA	-4.7142	-0.5551	-3.98	1.96
51	Shell-Thick	SLE-RARA	-4.1183	-0.2107	-3.98	1.90
51	Shell-Thick	SLE-RARA	-4.2394	-0.4031	-4.01	1.90
51	Shell-Thick	SLE-FREQ.	-4.4083	-0.6560	-3.84	1.58
51	Shell-Thick	SLE-FREQ.	-4.2958	-0.5432	-3.81	1.58
51	Shell-Thick	SLE-FREQ.	-3.7248	-0.2213	-3.81	1.53
51	Shell-Thick	SLE-FREQ.	-3.8308	-0.3783	-3.84	1.53
51	Shell-Thick	SLE-QP	-3.1057	-0.5286	-3.33	0.43
51	Shell-Thick	SLE-QP	-3.0407	-0.5073	-3.31	0.43
51	Shell-Thick	SLE-QP	-2.5445	-0.2532	-3.31	0.40
51	Shell-Thick	SLE-QP	-2.6052	-0.3037	-3.33	0.40
52	Shell-Thick	SLU-STATICA	-6.3736	-0.6164	-5.62	2.80
52	Shell-Thick	SLU-STATICA	-6.0134	-0.3690	-5.61	2.80
52	Shell-Thick	SLU-STATICA	-5.1698	-0.3228	-5.61	2.78
52	Shell-Thick	SLU-STATICA	-5.5314	-0.5609	-5.62	2.78
52	Shell-Thick	SLU-SISMICA	-10.1034	-0.7782	-6.73	6.83
52	Shell-Thick	SLU-SISMICA	-9.4589	-0.1811	-6.70	6.83
52	Shell-Thick	SLU-SISMICA	-8.4511	-0.2127	-6.70	6.78
52	Shell-Thick	SLU-SISMICA	-9.0971	-0.7998	-6.73	6.78
52	Shell-Thick	SLE-RARA	-4.6437	-0.4590	-4.21	1.92
52	Shell-Thick	SLE-RARA	-4.3849	-0.2890	-4.20	1.92
52	Shell-Thick	SLE-RARA	-3.7539	-0.2501	-4.20	1.91
52	Shell-Thick	SLE-RARA	-4.0137	-0.4131	-4.21	1.91
52	Shell-Thick	SLE-FREQ.	-4.2226	-0.4344	-4.01	1.54
52	Shell-Thick	SLE-FREQ.	-3.9936	-0.2973	-4.01	1.54
52	Shell-Thick	SLE-FREQ.	-3.3917	-0.2530	-4.01	1.53
52	Shell-Thick	SLE-FREQ.	-3.6217	-0.3833	-4.01	1.53
52	Shell-Thick	SLE-QP	-2.9596	-0.3606	-3.43	0.41
52	Shell-Thick	SLE-QP	-2.8198	-0.3223	-3.43	0.41
52	Shell-Thick	SLE-QP	-2.3050	-0.2616	-3.43	0.40
52	Shell-Thick	SLE-QP	-2.4457	-0.2938	-3.43	0.40
53	Shell-Thick	SLU-STATICA	-5.8717	-0.6395	-6.03	2.77
53	Shell-Thick	SLU-STATICA	-5.8353	-0.4453	-6.03	2.77
53	Shell-Thick	SLU-STATICA	-4.9380	0.1634	-6.03	2.78
53	Shell-Thick	SLU-STATICA	-4.9605	-0.1254	-6.03	2.78
53	Shell-Thick	SLU-SISMICA	-9.3435	-0.8619	-7.45	6.77
53	Shell-Thick	SLU-SISMICA	-9.2211	-0.3538	-7.42	6.77
53	Shell-Thick	SLU-SISMICA	-8.1171	0.5190	-7.42	6.72
53	Shell-Thick	SLU-SISMICA	-8.2163	-0.1473	-7.45	6.72
53	Shell-Thick	SLE-RARA	-4.2762	-0.4735	-4.49	1.90
53	Shell-Thick	SLE-RARA	-4.2529	-0.3420	-4.50	1.90
53	Shell-Thick	SLE-RARA	-3.5833	0.1061	-4.50	1.91
53	Shell-Thick	SLE-RARA	-3.5966	-0.0940	-4.49	1.91
53	Shell-Thick	SLE-FREQ.	-3.8855	-0.4435	-4.27	1.53

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53	Shell-Thick	SLE-FREQ.	-3.8698	-0.3411	-4.27	1.53
53	Shell-Thick	SLE-FREQ.	-3.2337	0.0742	-4.27	1.54
53	Shell-Thick	SLE-FREQ.	-3.2403	-0.0898	-4.27	1.54
53	Shell-Thick	SLE-QP	-2.7132	-0.3537	-3.58	0.40
53	Shell-Thick	SLE-QP	-2.7204	-0.3383	-3.60	0.40
53	Shell-Thick	SLE-QP	-2.1848	-0.0213	-3.60	0.42
53	Shell-Thick	SLE-QP	-2.1716	-0.0775	-3.58	0.42
54	Shell-Thick	SLU-STATICA	-5.6698	-0.2176	-6.31	2.81
54	Shell-Thick	SLU-STATICA	-5.3135	0.0386	-6.40	2.81
54	Shell-Thick	SLU-STATICA	-4.3591	0.2293	-6.40	2.96
54	Shell-Thick	SLU-STATICA	-4.7169	-0.0167	-6.31	2.96
54	Shell-Thick	SLU-SISMICA	-9.0716	-0.2301	-8.01	6.79
54	Shell-Thick	SLU-SISMICA	-8.4171	0.3708	-8.08	6.79
54	Shell-Thick	SLU-SISMICA	-7.2095	0.5677	-8.08	6.91
54	Shell-Thick	SLU-SISMICA	-7.8654	-0.0232	-8.01	6.91
54	Shell-Thick	SLE-RARA	-4.1267	-0.1643	-4.70	1.93
54	Shell-Thick	SLE-RARA	-3.8716	0.0127	-4.76	1.93
54	Shell-Thick	SLE-RARA	-3.1611	0.1569	-4.76	2.05
54	Shell-Thick	SLE-RARA	-3.4173	-0.0124	-4.70	2.05
54	Shell-Thick	SLE-FREQ.	-3.7454	-0.1592	-4.44	1.56
54	Shell-Thick	SLE-FREQ.	-3.5211	-0.0149	-4.51	1.56
54	Shell-Thick	SLE-FREQ.	-2.8489	0.1252	-4.51	1.67
54	Shell-Thick	SLE-FREQ.	-3.0743	-0.0115	-4.44	1.67
54	Shell-Thick	SLE-QP	-2.6014	-0.1440	-3.68	0.44
54	Shell-Thick	SLE-QP	-2.4695	-0.0978	-3.74	0.44
54	Shell-Thick	SLE-QP	-1.9123	0.0301	-3.74	0.55
54	Shell-Thick	SLE-QP	-2.0453	-0.0090	-3.68	0.55
55	Shell-Thick	SLU-STATICA	-5.0180	-0.1093	-6.71	2.94
55	Shell-Thick	SLU-STATICA	-5.1881	0.0958	-6.90	2.94
55	Shell-Thick	SLU-STATICA	-4.1764	0.9430	-6.90	3.27
55	Shell-Thick	SLU-STATICA	-3.9874	0.6081	-6.71	3.27
55	Shell-Thick	SLU-SISMICA	-8.0616	-0.1048	-8.78	6.89
55	Shell-Thick	SLU-SISMICA	-8.2666	0.3987	-8.96	6.89
55	Shell-Thick	SLU-SISMICA	-6.9516	1.6594	-8.96	7.19
55	Shell-Thick	SLU-SISMICA	-6.7149	0.9385	-8.78	7.19
55	Shell-Thick	SLE-RARA	-3.6507	-0.0830	-4.98	2.03
55	Shell-Thick	SLE-RARA	-3.7778	0.0575	-5.13	2.03
55	Shell-Thick	SLE-RARA	-3.0264	0.6788	-5.13	2.28
55	Shell-Thick	SLE-RARA	-2.8855	0.4443	-4.98	2.28
55	Shell-Thick	SLE-FREQ.	-3.3105	-0.0814	-4.69	1.66
55	Shell-Thick	SLE-FREQ.	-3.4317	0.0312	-4.83	1.66
55	Shell-Thick	SLE-FREQ.	-2.7237	0.6032	-4.83	1.90
55	Shell-Thick	SLE-FREQ.	-2.5902	0.4062	-4.69	1.90
55	Shell-Thick	SLE-QP	-2.2901	-0.0763	-3.81	0.53
55	Shell-Thick	SLE-QP	-2.3933	-0.0477	-3.94	0.53
55	Shell-Thick	SLE-QP	-1.8156	0.3764	-3.94	0.77
55	Shell-Thick	SLE-QP	-1.7043	0.2919	-3.81	0.77
56	Shell-Thick	SLU-STATICA	-4.9051	0.4846	-7.08	3.31
56	Shell-Thick	SLU-STATICA	-4.5458	0.8091	-7.48	3.31
56	Shell-Thick	SLU-STATICA	-3.4528	1.3822	-7.48	4.01
56	Shell-Thick	SLU-STATICA	-3.8142	1.0704	-7.08	4.01
56	Shell-Thick	SLU-SISMICA	-7.9301	0.8096	-9.52	7.27
56	Shell-Thick	SLU-SISMICA	-7.2781	1.4800	-9.95	7.27
56	Shell-Thick	SLU-SISMICA	-5.8162	2.2950	-9.95	8.00
56	Shell-Thick	SLU-SISMICA	-6.4703	1.6376	-9.52	8.00
56	Shell-Thick	SLE-RARA	-3.5661	0.3510	-5.24	2.31
56	Shell-Thick	SLE-RARA	-3.3084	0.5797	-5.54	2.31
56	Shell-Thick	SLE-RARA	-2.4986	1.0018	-5.54	2.84
56	Shell-Thick	SLE-RARA	-2.7578	0.7828	-5.24	2.84
56	Shell-Thick	SLE-FREQ.	-3.2296	0.3156	-4.91	1.93
56	Shell-Thick	SLE-FREQ.	-3.0023	0.5103	-5.21	1.93
56	Shell-Thick	SLE-FREQ.	-2.2427	0.9021	-5.21	2.44
56	Shell-Thick	SLE-FREQ.	-2.4715	0.7169	-4.91	2.44
56	Shell-Thick	SLE-QP	-2.2200	0.2095	-3.92	0.78
56	Shell-Thick	SLE-QP	-2.0839	0.3020	-4.19	0.78
56	Shell-Thick	SLE-QP	-1.4752	0.6029	-4.19	1.25
56	Shell-Thick	SLE-QP	-1.6127	0.5192	-3.92	1.25
57	Shell-Thick	SLU-STATICA	-10.8144	-1.2823	-4.01	5.62
57	Shell-Thick	SLU-STATICA	-10.1878	-0.7801	-3.78	5.62

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57	Shell-Thick	SLU-STATICA	-9.7486	-0.9897	-3.78	5.33
57	Shell-Thick	SLU-STATICA	-10.4010	-1.4390	-4.01	5.33
57	Shell-Thick	SLU-SISMICA	-16.2082	-0.8921	-3.23	11.79
57	Shell-Thick	SLU-SISMICA	-15.2332	0.1451	-2.81	11.79
57	Shell-Thick	SLU-SISMICA	-14.8849	-0.3269	-2.81	11.26
57	Shell-Thick	SLU-SISMICA	-15.8950	-1.2926	-3.23	11.26
57	Shell-Thick	SLE-RARA	-7.9257	-0.9911	-3.07	3.95
57	Shell-Thick	SLE-RARA	-7.4683	-0.6372	-2.92	3.95
57	Shell-Thick	SLE-RARA	-7.1309	-0.7829	-2.92	3.75
57	Shell-Thick	SLE-RARA	-7.6075	-1.0976	-3.07	3.75
57	Shell-Thick	SLE-FREQ.	-7.2870	-0.9987	-3.06	3.34
57	Shell-Thick	SLE-FREQ.	-6.8695	-0.6975	-2.92	3.34
57	Shell-Thick	SLE-FREQ.	-6.5330	-0.8181	-2.92	3.17
57	Shell-Thick	SLE-FREQ.	-6.9685	-1.0826	-3.06	3.17
57	Shell-Thick	SLE-QP	-5.3709	-1.0216	-3.03	1.53
57	Shell-Thick	SLE-QP	-5.0732	-0.8785	-2.95	1.53
57	Shell-Thick	SLE-QP	-4.7392	-0.9236	-2.95	1.43
57	Shell-Thick	SLE-QP	-5.0512	-1.0375	-3.03	1.43
58	Shell-Thick	SLU-STATICA	-10.3903	-1.4288	-4.15	5.34
58	Shell-Thick	SLU-STATICA	-9.6931	-0.9866	-3.94	5.34
58	Shell-Thick	SLU-STATICA	-9.2558	-0.7826	-3.94	5.08
58	Shell-Thick	SLU-STATICA	-9.9426	-1.2459	-4.15	5.08
58	Shell-Thick	SLU-SISMICA	-15.6677	-1.2276	-3.54	11.27
58	Shell-Thick	SLU-SISMICA	-14.5948	-0.2885	-3.19	11.27
58	Shell-Thick	SLU-SISMICA	-14.2370	-0.1193	-3.19	10.82
58	Shell-Thick	SLU-SISMICA	-15.2891	-1.1002	-3.54	10.82
58	Shell-Thick	SLE-RARA	-7.6102	-1.0927	-3.17	3.75
58	Shell-Thick	SLE-RARA	-7.1006	-0.7824	-3.02	3.75
58	Shell-Thick	SLE-RARA	-6.7653	-0.6261	-3.02	3.56
58	Shell-Thick	SLE-RARA	-7.2675	-0.9513	-3.17	3.56
58	Shell-Thick	SLE-FREQ.	-6.9888	-1.0823	-3.14	3.17
58	Shell-Thick	SLE-FREQ.	-6.5227	-0.8204	-3.01	3.17
58	Shell-Thick	SLE-FREQ.	-6.1891	-0.6652	-3.01	3.00
58	Shell-Thick	SLE-FREQ.	-6.6490	-0.9398	-3.14	3.00
58	Shell-Thick	SLE-QP	-5.1248	-1.0511	-3.06	1.43
58	Shell-Thick	SLE-QP	-4.7890	-0.9347	-2.97	1.43
58	Shell-Thick	SLE-QP	-4.4607	-0.7824	-2.97	1.32
58	Shell-Thick	SLE-QP	-4.7932	-0.9054	-3.06	1.32
59	Shell-Thick	SLU-STATICA	-9.7261	-1.2165	-4.17	5.07
59	Shell-Thick	SLU-STATICA	-9.2026	-0.7581	-4.01	5.07
59	Shell-Thick	SLU-STATICA	-8.5848	-1.0121	-4.01	4.79
59	Shell-Thick	SLU-STATICA	-9.1169	-1.4113	-4.17	4.79
59	Shell-Thick	SLU-SISMICA	-14.7189	-0.9984	-3.70	10.81
59	Shell-Thick	SLU-SISMICA	-13.8932	-0.0382	-3.43	10.81
59	Shell-Thick	SLU-SISMICA	-13.3523	-0.5929	-3.43	10.35
59	Shell-Thick	SLU-SISMICA	-14.1894	-1.4741	-3.70	10.35
59	Shell-Thick	SLE-RARA	-7.1211	-0.9326	-3.18	3.56
59	Shell-Thick	SLE-RARA	-6.7395	-0.6103	-3.07	3.56
59	Shell-Thick	SLE-RARA	-6.2675	-0.7878	-3.07	3.35
59	Shell-Thick	SLE-RARA	-6.6555	-1.0662	-3.18	3.35
59	Shell-Thick	SLE-FREQ.	-6.5352	-0.9276	-3.14	3.00
59	Shell-Thick	SLE-FREQ.	-6.1878	-0.6544	-3.04	3.00
59	Shell-Thick	SLE-FREQ.	-5.7212	-0.8028	-3.04	2.81
59	Shell-Thick	SLE-FREQ.	-6.0745	-1.0348	-3.14	2.81
59	Shell-Thick	SLE-QP	-4.7775	-0.9123	-3.02	1.32
59	Shell-Thick	SLE-QP	-4.5329	-0.7868	-2.95	1.32
59	Shell-Thick	SLE-QP	-4.0822	-0.8479	-2.95	1.19
59	Shell-Thick	SLE-QP	-4.3316	-0.9404	-3.02	1.19
60	Shell-Thick	SLU-STATICA	-8.9650	-1.3859	-4.27	4.78
60	Shell-Thick	SLU-STATICA	-8.4940	-0.9889	-4.15	4.78
60	Shell-Thick	SLU-STATICA	-7.8634	-0.8086	-4.15	4.58
60	Shell-Thick	SLU-STATICA	-8.3314	-1.2257	-4.27	4.58
60	Shell-Thick	SLU-SISMICA	-13.6686	-1.3711	-4.00	10.35
60	Shell-Thick	SLU-SISMICA	-12.9239	-0.5061	-3.81	10.35
60	Shell-Thick	SLU-SISMICA	-12.3414	-0.3760	-3.81	10.03
60	Shell-Thick	SLU-SISMICA	-13.0797	-1.2842	-4.00	10.03
60	Shell-Thick	SLE-RARA	-6.5588	-1.0509	-3.25	3.35
60	Shell-Thick	SLE-RARA	-6.2155	-0.7734	-3.16	3.35
60	Shell-Thick	SLE-RARA	-5.7353	-0.6343	-3.16	3.19

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60	Shell-Thick	SLE-RARA	-6.0765	-0.9259	-3.25	3.19
60	Shell-Thick	SLE-FREQ.	-6.0105	-1.0262	-3.19	2.81
60	Shell-Thick	SLE-FREQ.	-5.6982	-0.7940	-3.11	2.81
60	Shell-Thick	SLE-FREQ.	-5.2259	-0.6542	-3.11	2.67
60	Shell-Thick	SLE-FREQ.	-5.5364	-0.8983	-3.19	2.67
60	Shell-Thick	SLE-QP	-4.3658	-0.9521	-3.02	1.19
60	Shell-Thick	SLE-QP	-4.1463	-0.8558	-2.96	1.19
60	Shell-Thick	SLE-QP	-3.6977	-0.7139	-2.96	1.09
60	Shell-Thick	SLE-QP	-3.9163	-0.8154	-3.02	1.09
61	Shell-Thick	SLU-STATICA	-8.2967	-1.2220	-4.35	4.57
61	Shell-Thick	SLU-STATICA	-7.8714	-0.8070	-4.26	4.57
61	Shell-Thick	SLU-STATICA	-7.2227	-0.9223	-4.26	4.42
61	Shell-Thick	SLU-STATICA	-7.6550	-1.2894	-4.35	4.42
61	Shell-Thick	SLU-SISMICA	-12.7477	-1.2150	-4.24	10.03
61	Shell-Thick	SLU-SISMICA	-12.0479	-0.3201	-4.11	10.03
61	Shell-Thick	SLU-SISMICA	-11.4167	-0.6319	-4.11	9.81
61	Shell-Thick	SLU-SISMICA	-12.1257	-1.4631	-4.24	9.81
61	Shell-Thick	SLE-RARA	-6.0650	-0.9263	-3.30	3.19
61	Shell-Thick	SLE-RARA	-5.7564	-0.6358	-3.23	3.19
61	Shell-Thick	SLE-RARA	-5.2640	-0.7133	-3.23	3.08
61	Shell-Thick	SLE-RARA	-5.5777	-0.9684	-3.30	3.08
61	Shell-Thick	SLE-FREQ.	-5.5497	-0.9040	-3.22	2.67
61	Shell-Thick	SLE-FREQ.	-5.2712	-0.6601	-3.16	2.67
61	Shell-Thick	SLE-FREQ.	-4.7895	-0.7196	-3.16	2.56
61	Shell-Thick	SLE-FREQ.	-5.0728	-0.9302	-3.22	2.56
61	Shell-Thick	SLE-QP	-4.0037	-0.8373	-3.01	1.08
61	Shell-Thick	SLE-QP	-3.8158	-0.7331	-2.96	1.08
61	Shell-Thick	SLE-QP	-3.3661	-0.7384	-2.96	1.00
61	Shell-Thick	SLE-QP	-3.5580	-0.8158	-3.01	1.00
62	Shell-Thick	SLU-STATICA	-7.7240	-1.3067	-4.54	4.42
62	Shell-Thick	SLU-STATICA	-7.3606	-0.9463	-4.46	4.42
62	Shell-Thick	SLU-STATICA	-6.6879	-0.6544	-4.46	4.27
62	Shell-Thick	SLU-STATICA	-7.0460	-1.0499	-4.54	4.27
62	Shell-Thick	SLU-SISMICA	-11.9381	-1.4265	-4.67	9.81
62	Shell-Thick	SLU-SISMICA	-11.3374	-0.6151	-4.55	9.81
62	Shell-Thick	SLU-SISMICA	-10.6507	-0.2845	-4.55	9.61
62	Shell-Thick	SLU-SISMICA	-11.2416	-1.1621	-4.67	9.61
62	Shell-Thick	SLE-RARA	-5.6428	-0.9842	-3.44	3.08
62	Shell-Thick	SLE-RARA	-5.3793	-0.7336	-3.38	3.08
62	Shell-Thick	SLE-RARA	-4.8702	-0.5143	-3.38	2.97
62	Shell-Thick	SLE-RARA	-5.1300	-0.7899	-3.44	2.97
62	Shell-Thick	SLE-FREQ.	-5.1573	-0.9501	-3.34	2.56
62	Shell-Thick	SLE-FREQ.	-4.9198	-0.7427	-3.28	2.56
62	Shell-Thick	SLE-FREQ.	-4.4245	-0.5320	-3.28	2.46
62	Shell-Thick	SLE-FREQ.	-4.6587	-0.7612	-3.34	2.46
62	Shell-Thick	SLE-QP	-3.7010	-0.8477	-3.06	1.00
62	Shell-Thick	SLE-QP	-3.5415	-0.7701	-3.01	1.00
62	Shell-Thick	SLE-QP	-3.0872	-0.5851	-3.01	0.93
62	Shell-Thick	SLE-QP	-3.2449	-0.6751	-3.06	0.93
63	Shell-Thick	SLU-STATICA	-7.2787	-1.0864	-4.71	4.28
63	Shell-Thick	SLU-STATICA	-6.8725	-0.7013	-4.65	4.28
63	Shell-Thick	SLU-STATICA	-6.1674	-0.7190	-4.65	4.17
63	Shell-Thick	SLU-STATICA	-6.5787	-1.0689	-4.71	4.17
63	Shell-Thick	SLU-SISMICA	-11.3212	-1.1554	-5.04	9.62
63	Shell-Thick	SLU-SISMICA	-10.6264	-0.3023	-4.95	9.62
63	Shell-Thick	SLU-SISMICA	-9.8732	-0.4490	-4.95	9.47
63	Shell-Thick	SLU-SISMICA	-10.5745	-1.2569	-5.04	9.47
63	Shell-Thick	SLE-RARA	-5.3140	-0.8198	-3.56	2.98
63	Shell-Thick	SLE-RARA	-5.0205	-0.5512	-3.51	2.98
63	Shell-Thick	SLE-RARA	-4.4886	-0.5583	-3.51	2.90
63	Shell-Thick	SLE-RARA	-4.7859	-0.8006	-3.56	2.90
63	Shell-Thick	SLE-FREQ.	-4.8507	-0.7939	-3.44	2.46
63	Shell-Thick	SLE-FREQ.	-4.5882	-0.5704	-3.40	2.46
63	Shell-Thick	SLE-FREQ.	-4.0734	-0.5667	-3.40	2.39
63	Shell-Thick	SLE-FREQ.	-4.3395	-0.7654	-3.44	2.39
63	Shell-Thick	SLE-QP	-3.4610	-0.7163	-3.10	0.93
63	Shell-Thick	SLE-QP	-3.2914	-0.6280	-3.06	0.93
63	Shell-Thick	SLE-QP	-2.8278	-0.5920	-3.06	0.87
63	Shell-Thick	SLE-QP	-3.0004	-0.6599	-3.10	0.87



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64	Shell-Thick	SLU-STATICA	-6.8095	-1.1198	-5.01	4.17
64	Shell-Thick	SLU-STATICA	-6.5442	-0.7896	-4.94	4.17
64	Shell-Thick	SLU-STATICA	-5.8015	-0.3998	-4.94	4.06
64	Shell-Thick	SLU-STATICA	-6.0587	-0.7849	-5.01	4.06
64	Shell-Thick	SLU-SISMICA	-10.6348	-1.2722	-5.60	9.47
64	Shell-Thick	SLU-SISMICA	-10.1670	-0.5045	-5.50	9.47
64	Shell-Thick	SLU-SISMICA	-9.3415	-0.0051	-5.50	9.31
64	Shell-Thick	SLU-SISMICA	-9.7949	-0.8708	-5.60	9.31
64	Shell-Thick	SLE-RARA	-4.9693	-0.8409	-3.77	2.89
64	Shell-Thick	SLE-RARA	-4.7783	-0.6125	-3.72	2.89
64	Shell-Thick	SLE-RARA	-4.2196	-0.3226	-3.72	2.81
64	Shell-Thick	SLE-RARA	-4.4048	-0.5905	-3.77	2.81
64	Shell-Thick	SLE-FREQ.	-4.5324	-0.8077	-3.63	2.39
64	Shell-Thick	SLE-FREQ.	-4.3628	-0.6209	-3.58	2.39
64	Shell-Thick	SLE-FREQ.	-3.8246	-0.3471	-3.58	2.31
64	Shell-Thick	SLE-FREQ.	-3.9891	-0.5689	-3.63	2.31
64	Shell-Thick	SLE-QP	-3.2217	-0.7079	-3.20	0.86
64	Shell-Thick	SLE-QP	-3.1161	-0.6459	-3.17	0.86
64	Shell-Thick	SLE-QP	-2.6397	-0.4206	-3.17	0.81
64	Shell-Thick	SLE-QP	-2.7422	-0.5040	-3.20	0.81
65	Shell-Thick	SLU-STATICA	-6.5189	-0.8525	-5.27	4.07
65	Shell-Thick	SLU-STATICA	-6.1199	-0.4880	-5.23	4.07
65	Shell-Thick	SLU-STATICA	-5.3302	-0.4090	-5.23	4.00
65	Shell-Thick	SLU-STATICA	-5.7332	-0.7466	-5.27	4.00
65	Shell-Thick	SLU-SISMICA	-10.2328	-0.9121	-6.09	9.34
65	Shell-Thick	SLU-SISMICA	-9.5266	-0.0884	-6.02	9.34
65	Shell-Thick	SLU-SISMICA	-8.6160	-0.0777	-6.02	9.23
65	Shell-Thick	SLU-SISMICA	-9.3268	-0.8691	-6.09	9.23
65	Shell-Thick	SLE-RARA	-4.7546	-0.6430	-3.95	2.82
65	Shell-Thick	SLE-RARA	-4.4675	-0.3896	-3.92	2.82
65	Shell-Thick	SLE-RARA	-3.8752	-0.3264	-3.92	2.77
65	Shell-Thick	SLE-RARA	-4.1652	-0.5596	-3.95	2.77
65	Shell-Thick	SLE-FREQ.	-4.3322	-0.6223	-3.79	2.32
65	Shell-Thick	SLE-FREQ.	-4.0774	-0.4129	-3.76	2.32
65	Shell-Thick	SLE-FREQ.	-3.5096	-0.3456	-3.76	2.27
65	Shell-Thick	SLE-FREQ.	-3.7672	-0.5357	-3.79	2.27
65	Shell-Thick	SLE-QP	-3.0649	-0.5600	-3.30	0.81
65	Shell-Thick	SLE-QP	-2.9070	-0.4826	-3.28	0.81
65	Shell-Thick	SLE-QP	-2.4129	-0.4031	-3.28	0.78
65	Shell-Thick	SLE-QP	-2.5731	-0.4641	-3.30	0.78
66	Shell-Thick	SLU-STATICA	-6.0701	-0.8234	-5.65	3.99
66	Shell-Thick	SLU-STATICA	-5.9216	-0.5179	-5.61	3.99
66	Shell-Thick	SLU-STATICA	-5.0822	-0.0153	-5.61	3.93
66	Shell-Thick	SLU-STATICA	-5.2192	-0.3992	-5.65	3.93
66	Shell-Thick	SLU-SISMICA	-9.5548	-0.9241	-6.76	9.22
66	Shell-Thick	SLU-SISMICA	-9.2539	-0.1958	-6.69	9.22
66	Shell-Thick	SLU-SISMICA	-8.2555	0.4908	-6.69	9.10
66	Shell-Thick	SLU-SISMICA	-8.5362	-0.3747	-6.76	9.10
66	Shell-Thick	SLE-RARA	-4.4259	-0.6189	-4.23	2.77
66	Shell-Thick	SLE-RARA	-4.3210	-0.4084	-4.20	2.77
66	Shell-Thick	SLE-RARA	-3.6929	-0.0368	-4.20	2.72
66	Shell-Thick	SLE-RARA	-3.7895	-0.3037	-4.23	2.72
66	Shell-Thick	SLE-FREQ.	-4.0304	-0.5953	-4.03	2.27
66	Shell-Thick	SLE-FREQ.	-3.9406	-0.4248	-4.01	2.27
66	Shell-Thick	SLE-FREQ.	-3.3410	-0.0775	-4.01	2.23
66	Shell-Thick	SLE-FREQ.	-3.4235	-0.2982	-4.03	2.23
66	Shell-Thick	SLE-QP	-2.8439	-0.5247	-3.45	0.77
66	Shell-Thick	SLE-QP	-2.7994	-0.4740	-3.43	0.77
66	Shell-Thick	SLE-QP	-2.2855	-0.1995	-3.43	0.75
66	Shell-Thick	SLE-QP	-2.3254	-0.2818	-3.45	0.75
67	Shell-Thick	SLU-STATICA	-5.8815	-0.4925	-5.98	3.96
67	Shell-Thick	SLU-STATICA	-5.4844	-0.1349	-6.00	3.96
67	Shell-Thick	SLU-STATICA	-4.5839	0.0792	-6.00	3.98
67	Shell-Thick	SLU-STATICA	-4.9846	-0.2536	-5.98	3.98
67	Shell-Thick	SLU-SISMICA	-9.3012	-0.4552	-7.35	9.15
67	Shell-Thick	SLU-SISMICA	-8.5790	0.3537	-7.34	9.15
67	Shell-Thick	SLU-SISMICA	-7.4752	0.5788	-7.34	9.12
67	Shell-Thick	SLU-SISMICA	-8.2015	-0.2020	-7.35	9.12
67	Shell-Thick	SLE-RARA	-4.2862	-0.3750	-4.47	2.74



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67	Shell-Thick	SLE-RARA	-4.0016	-0.1265	-4.48	2.74
67	Shell-Thick	SLE-RARA	-3.3293	0.0351	-4.48	2.76
67	Shell-Thick	SLE-RARA	-3.6167	-0.1948	-4.47	2.76
67	Shell-Thick	SLE-FREQ.	-3.8995	-0.3689	-4.24	2.25
67	Shell-Thick	SLE-FREQ.	-3.6486	-0.1636	-4.26	2.25
67	Shell-Thick	SLE-FREQ.	-3.0096	-0.0068	-4.26	2.27
67	Shell-Thick	SLE-FREQ.	-3.2632	-0.1942	-4.24	2.27
67	Shell-Thick	SLE-QP	-2.7394	-0.3503	-3.58	0.76
67	Shell-Thick	SLE-QP	-2.5897	-0.2747	-3.59	0.76
67	Shell-Thick	SLE-QP	-2.0505	-0.1326	-3.59	0.79
67	Shell-Thick	SLE-QP	-2.2025	-0.1925	-3.58	0.79
68	Shell-Thick	SLU-STATICA	-5.3664	-0.3509	-6.43	3.97
68	Shell-Thick	SLU-STATICA	-5.3644	-0.0559	-6.48	3.97
68	Shell-Thick	SLU-STATICA	-4.4040	0.6025	-6.48	4.06
68	Shell-Thick	SLU-STATICA	-4.3901	0.1994	-6.43	4.06
68	Shell-Thick	SLU-SISMICA	-8.5067	-0.2875	-8.13	9.11
68	Shell-Thick	SLU-SISMICA	-8.4281	0.4126	-8.14	9.11
68	Shell-Thick	SLU-SISMICA	-7.2212	1.3511	-8.14	9.14
68	Shell-Thick	SLU-SISMICA	-7.2724	0.4638	-8.13	9.14
68	Shell-Thick	SLE-RARA	-3.9098	-0.2691	-4.79	2.75
68	Shell-Thick	SLE-RARA	-3.9122	-0.0657	-4.83	2.75
68	Shell-Thick	SLE-RARA	-3.1967	0.4193	-4.83	2.82
68	Shell-Thick	SLE-RARA	-3.1830	0.1379	-4.79	2.82
68	Shell-Thick	SLE-FREQ.	-3.5554	-0.2677	-4.53	2.26
68	Shell-Thick	SLE-FREQ.	-3.5639	-0.1026	-4.57	2.26
68	Shell-Thick	SLE-FREQ.	-2.8863	0.3474	-4.57	2.34
68	Shell-Thick	SLE-FREQ.	-2.8676	0.1128	-4.53	2.34
68	Shell-Thick	SLE-QP	-2.4919	-0.2634	-3.75	0.79
68	Shell-Thick	SLE-QP	-2.5192	-0.2133	-3.81	0.79
68	Shell-Thick	SLE-QP	-1.9553	0.1318	-3.81	0.88
68	Shell-Thick	SLE-QP	-1.9216	0.0374	-3.75	0.88
69	Shell-Thick	SLU-STATICA	-5.2400	0.0811	-6.84	4.10
69	Shell-Thick	SLU-STATICA	-4.8414	0.4634	-7.01	4.10
69	Shell-Thick	SLU-STATICA	-3.8000	0.9233	-7.01	4.39
69	Shell-Thick	SLU-STATICA	-4.2026	0.5672	-6.84	4.39
69	Shell-Thick	SLU-SISMICA	-8.3508	0.3466	-8.87	9.21
69	Shell-Thick	SLU-SISMICA	-7.6183	1.1732	-9.02	9.21
69	Shell-Thick	SLU-SISMICA	-6.2744	1.7885	-9.02	9.46
69	Shell-Thick	SLU-SISMICA	-7.0114	0.9914	-8.87	9.46
69	Shell-Thick	SLE-RARA	-3.8156	0.0482	-5.08	2.85
69	Shell-Thick	SLE-RARA	-3.5301	0.3157	-5.21	2.85
69	Shell-Thick	SLE-RARA	-2.7561	0.6565	-5.21	3.08
69	Shell-Thick	SLE-RARA	-3.0445	0.4086	-5.08	3.08
69	Shell-Thick	SLE-FREQ.	-3.4659	0.0252	-4.79	2.36
69	Shell-Thick	SLE-FREQ.	-3.2149	0.2496	-4.92	2.36
69	Shell-Thick	SLE-FREQ.	-2.4848	0.5692	-4.92	2.58
69	Shell-Thick	SLE-FREQ.	-2.7386	0.3637	-4.79	2.58
69	Shell-Thick	SLE-QP	-2.4167	-0.0438	-3.92	0.89
69	Shell-Thick	SLE-QP	-2.2691	0.0513	-4.04	0.89
69	Shell-Thick	SLE-QP	-1.6709	0.3073	-4.04	1.11
69	Shell-Thick	SLE-QP	-1.8209	0.2289	-3.92	1.11
70	Shell-Thick	SLU-STATICA	-4.6288	0.4417	-7.47	4.37
70	Shell-Thick	SLU-STATICA	-4.7955	0.7644	-7.74	4.37
70	Shell-Thick	SLU-STATICA	-3.6661	1.6916	-7.74	4.83
70	Shell-Thick	SLU-STATICA	-3.4769	1.2139	-7.47	4.83
70	Shell-Thick	SLU-SISMICA	-7.4040	0.8653	-9.94	9.43
70	Shell-Thick	SLU-SISMICA	-7.6035	1.5703	-10.16	9.43
70	Shell-Thick	SLU-SISMICA	-6.1145	2.9481	-10.16	9.82
70	Shell-Thick	SLU-SISMICA	-5.8764	1.9788	-9.94	9.82
70	Shell-Thick	SLE-RARA	-3.3692	0.3136	-5.54	3.06
70	Shell-Thick	SLE-RARA	-3.4938	0.5391	-5.74	3.06
70	Shell-Thick	SLE-RARA	-2.6559	1.2192	-5.74	3.41
70	Shell-Thick	SLE-RARA	-2.5150	0.8817	-5.54	3.41
70	Shell-Thick	SLE-FREQ.	-3.0580	0.2710	-5.20	2.57
70	Shell-Thick	SLE-FREQ.	-3.1769	0.4596	-5.40	2.57
70	Shell-Thick	SLE-FREQ.	-2.3892	1.0859	-5.40	2.92
70	Shell-Thick	SLE-FREQ.	-2.2558	0.7971	-5.20	2.92
70	Shell-Thick	SLE-QP	-2.1246	0.1434	-4.18	1.09
70	Shell-Thick	SLE-QP	-2.2261	0.2210	-4.38	1.09

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70	Shell-Thick	SLE-QP	-1.5892	0.6859	-4.38	1.44
70	Shell-Thick	SLE-QP	-1.4782	0.5433	-4.18	1.44
71	Shell-Thick	SLU-STATICA	-10.2698	-1.4799	-3.83	7.04
71	Shell-Thick	SLU-STATICA	-9.5081	-0.8920	-3.64	7.04
71	Shell-Thick	SLU-STATICA	-9.1059	-0.6120	-3.64	6.80
71	Shell-Thick	SLU-STATICA	-9.8540	-1.2273	-3.83	6.80
71	Shell-Thick	SLU-SISMICA	-15.3476	-0.8607	-2.89	14.34
71	Shell-Thick	SLU-SISMICA	-14.1623	0.3387	-2.53	14.34
71	Shell-Thick	SLU-SISMICA	-13.8795	0.5961	-2.53	13.89
71	Shell-Thick	SLU-SISMICA	-15.0378	-0.6580	-2.89	13.89
71	Shell-Thick	SLE-RARA	-7.5288	-1.1522	-2.95	4.97
71	Shell-Thick	SLE-RARA	-6.9727	-0.7372	-2.81	4.97
71	Shell-Thick	SLE-RARA	-6.6620	-0.5240	-2.81	4.80
71	Shell-Thick	SLE-RARA	-7.2085	-0.9583	-2.95	4.80
71	Shell-Thick	SLE-FREQ.	-6.9259	-1.1747	-2.96	4.25
71	Shell-Thick	SLE-FREQ.	-6.4183	-0.8202	-2.84	4.25
71	Shell-Thick	SLE-FREQ.	-6.1054	-0.6103	-2.84	4.10
71	Shell-Thick	SLE-FREQ.	-6.6048	-0.9815	-2.96	4.10
71	Shell-Thick	SLE-QP	-5.1171	-1.2422	-2.97	2.08
71	Shell-Thick	SLE-QP	-4.7551	-1.0691	-2.90	2.08
71	Shell-Thick	SLE-QP	-4.4357	-0.8694	-2.90	2.00
71	Shell-Thick	SLE-QP	-4.7935	-1.0510	-2.97	2.00
72	Shell-Thick	SLU-STATICA	-9.7641	-1.2233	-3.92	6.79
72	Shell-Thick	SLU-STATICA	-9.1847	-0.6138	-3.74	6.79
72	Shell-Thick	SLU-STATICA	-8.7511	-0.8656	-3.74	6.57
72	Shell-Thick	SLU-STATICA	-9.3590	-1.4170	-3.92	6.57
72	Shell-Thick	SLU-SISMICA	-14.6948	-0.5998	-3.15	13.89
72	Shell-Thick	SLU-SISMICA	-13.7709	0.6283	-2.84	13.89
72	Shell-Thick	SLU-SISMICA	-13.4237	0.1003	-2.84	13.49
72	Shell-Thick	SLU-SISMICA	-14.3855	-1.0507	-3.15	13.49
72	Shell-Thick	SLE-RARA	-7.1529	-0.9580	-3.01	4.79
72	Shell-Thick	SLE-RARA	-6.7311	-0.5270	-2.88	4.79
72	Shell-Thick	SLE-RARA	-6.3982	-0.7040	-2.88	4.63
72	Shell-Thick	SLE-RARA	-6.8413	-1.0919	-3.01	4.63
72	Shell-Thick	SLE-FREQ.	-6.5714	-0.9856	-3.00	4.09
72	Shell-Thick	SLE-FREQ.	-6.1882	-0.6161	-2.88	4.09
72	Shell-Thick	SLE-FREQ.	-5.8565	-0.7660	-2.88	3.95
72	Shell-Thick	SLE-FREQ.	-6.2595	-1.0951	-3.00	3.95
72	Shell-Thick	SLE-QP	-4.8266	-1.0685	-2.96	1.99
72	Shell-Thick	SLE-QP	-4.5596	-0.8833	-2.89	1.99
72	Shell-Thick	SLE-QP	-4.2312	-0.9521	-2.89	1.90
72	Shell-Thick	SLE-QP	-4.5142	-1.1047	-2.96	1.90
73	Shell-Thick	SLU-STATICA	-9.2825	-1.4001	-4.06	6.57
73	Shell-Thick	SLU-STATICA	-8.6753	-0.8520	-3.90	6.57
73	Shell-Thick	SLU-STATICA	-8.0794	-0.6919	-3.90	6.28
73	Shell-Thick	SLU-STATICA	-8.6833	-1.2620	-4.06	6.28
73	Shell-Thick	SLU-SISMICA	-14.0072	-0.9646	-3.52	13.50
73	Shell-Thick	SLU-SISMICA	-13.0523	0.1642	-3.25	13.50
73	Shell-Thick	SLU-SISMICA	-12.5483	0.2271	-3.25	13.04
73	Shell-Thick	SLU-SISMICA	-13.4956	-0.9532	-3.52	13.04
73	Shell-Thick	SLE-RARA	-6.7983	-1.0826	-3.11	4.63
73	Shell-Thick	SLE-RARA	-6.3555	-0.6962	-2.99	4.63
73	Shell-Thick	SLE-RARA	-5.8994	-0.5701	-2.99	4.43
73	Shell-Thick	SLE-RARA	-6.3399	-0.9716	-3.11	4.43
73	Shell-Thick	SLE-FREQ.	-6.2424	-1.0917	-3.08	3.95
73	Shell-Thick	SLE-FREQ.	-5.8391	-0.7626	-2.97	3.95
73	Shell-Thick	SLE-FREQ.	-5.3867	-0.6316	-2.97	3.76
73	Shell-Thick	SLE-FREQ.	-5.7881	-0.9731	-3.08	3.76
73	Shell-Thick	SLE-QP	-4.5747	-1.1190	-2.98	1.90
73	Shell-Thick	SLE-QP	-4.2899	-0.9616	-2.91	1.90
73	Shell-Thick	SLE-QP	-3.8486	-0.8160	-2.91	1.77
73	Shell-Thick	SLE-QP	-4.1328	-0.9773	-2.98	1.77
74	Shell-Thick	SLU-STATICA	-8.5617	-1.2469	-4.13	6.28
74	Shell-Thick	SLU-STATICA	-8.0659	-0.6800	-4.01	6.28
74	Shell-Thick	SLU-STATICA	-7.4507	-0.8419	-4.01	6.06
74	Shell-Thick	SLU-STATICA	-7.9553	-1.3483	-4.13	6.06
74	Shell-Thick	SLU-SISMICA	-13.0232	-0.8618	-3.78	13.04
74	Shell-Thick	SLU-SISMICA	-12.2149	0.2969	-3.59	13.04
74	Shell-Thick	SLU-SISMICA	-11.6566	-0.1096	-3.59	12.71

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74	Shell-Thick	SLU-SISMICA	-12.4762	-1.1911	-3.78	12.71
74	Shell-Thick	SLE-RARA	-6.2652	-0.9640	-3.15	4.42
74	Shell-Thick	SLE-RARA	-5.9051	-0.5639	-3.06	4.42
74	Shell-Thick	SLE-RARA	-5.4361	-0.6745	-3.06	4.26
74	Shell-Thick	SLE-RARA	-5.8028	-1.0294	-3.15	4.26
74	Shell-Thick	SLE-FREQ.	-5.7441	-0.9719	-3.10	3.76
74	Shell-Thick	SLE-FREQ.	-5.4186	-0.6303	-3.02	3.76
74	Shell-Thick	SLE-FREQ.	-4.9564	-0.7180	-3.02	3.61
74	Shell-Thick	SLE-FREQ.	-5.2882	-1.0170	-3.10	3.61
74	Shell-Thick	SLE-QP	-4.1807	-0.9955	-2.96	1.76
74	Shell-Thick	SLE-QP	-3.9589	-0.8294	-2.89	1.76
74	Shell-Thick	SLE-QP	-3.5174	-0.8487	-2.89	1.65
74	Shell-Thick	SLE-QP	-3.7444	-0.9796	-2.96	1.65
75	Shell-Thick	SLU-STATICA	-7.9438	-1.3495	-4.30	6.06
75	Shell-Thick	SLU-STATICA	-7.4877	-0.8457	-4.19	6.06
75	Shell-Thick	SLU-STATICA	-6.8532	-0.6198	-4.19	5.87
75	Shell-Thick	SLU-STATICA	-7.3050	-1.1532	-4.30	5.87
75	Shell-Thick	SLU-SISMICA	-12.1575	-1.1256	-4.17	12.71
75	Shell-Thick	SLU-SISMICA	-11.4154	-0.0631	-4.01	12.71
75	Shell-Thick	SLU-SISMICA	-10.8060	0.1408	-4.01	12.44
75	Shell-Thick	SLU-SISMICA	-11.5388	-0.9848	-4.17	12.44
75	Shell-Thick	SLE-RARA	-5.8094	-1.0338	-3.26	4.26
75	Shell-Thick	SLE-RARA	-5.4780	-0.6798	-3.18	4.26
75	Shell-Thick	SLE-RARA	-4.9960	-0.5075	-3.18	4.12
75	Shell-Thick	SLE-RARA	-5.3243	-0.8822	-3.26	4.12
75	Shell-Thick	SLE-FREQ.	-5.3199	-1.0267	-3.19	3.61
75	Shell-Thick	SLE-FREQ.	-5.0201	-0.7274	-3.12	3.61
75	Shell-Thick	SLE-FREQ.	-4.5480	-0.5575	-3.12	3.48
75	Shell-Thick	SLE-FREQ.	-4.8451	-0.8743	-3.19	3.48
75	Shell-Thick	SLE-QP	-3.8513	-1.0054	-2.98	1.65
75	Shell-Thick	SLE-QP	-3.6466	-0.8701	-2.93	1.65
75	Shell-Thick	SLE-QP	-3.2039	-0.7075	-2.93	1.55
75	Shell-Thick	SLE-QP	-3.4075	-0.8506	-2.98	1.55
76	Shell-Thick	SLU-STATICA	-7.4252	-1.1753	-4.44	5.87
76	Shell-Thick	SLU-STATICA	-6.9760	-0.6463	-4.35	5.87
76	Shell-Thick	SLU-STATICA	-6.3130	-0.6782	-4.35	5.71
76	Shell-Thick	SLU-STATICA	-6.7696	-1.1567	-4.44	5.71
76	Shell-Thick	SLU-SISMICA	-11.4381	-0.9518	-4.51	12.45
76	Shell-Thick	SLU-SISMICA	-10.6784	0.1534	-4.39	12.45
76	Shell-Thick	SLU-SISMICA	-10.0059	-0.0289	-4.39	12.24
76	Shell-Thick	SLU-SISMICA	-10.7747	-1.0714	-4.51	12.24
76	Shell-Thick	SLE-RARA	-5.4264	-0.9017	-3.36	4.12
76	Shell-Thick	SLE-RARA	-5.1015	-0.5296	-3.29	4.12
76	Shell-Thick	SLE-RARA	-4.5996	-0.5462	-3.29	4.00
76	Shell-Thick	SLE-RARA	-4.9300	-0.8807	-3.36	4.00
76	Shell-Thick	SLE-FREQ.	-4.9628	-0.8978	-3.27	3.48
76	Shell-Thick	SLE-FREQ.	-4.6714	-0.5822	-3.21	3.48
76	Shell-Thick	SLE-FREQ.	-4.1827	-0.5861	-3.21	3.37
76	Shell-Thick	SLE-FREQ.	-4.4793	-0.8660	-3.27	3.37
76	Shell-Thick	SLE-QP	-3.5721	-0.8863	-3.00	1.55
76	Shell-Thick	SLE-QP	-3.3813	-0.7402	-2.96	1.55
76	Shell-Thick	SLE-QP	-2.9321	-0.7058	-2.96	1.46
76	Shell-Thick	SLE-QP	-3.1272	-0.8219	-3.00	1.46
77	Shell-Thick	SLU-STATICA	-6.9393	-1.1956	-4.69	5.71
77	Shell-Thick	SLU-STATICA	-6.5843	-0.7275	-4.60	5.71
77	Shell-Thick	SLU-STATICA	-5.8908	-0.4059	-4.60	5.56
77	Shell-Thick	SLU-STATICA	-6.2393	-0.9181	-4.69	5.56
77	Shell-Thick	SLU-SISMICA	-10.7329	-1.0643	-5.01	12.24
77	Shell-Thick	SLU-SISMICA	-10.1275	-0.0519	-4.89	12.24
77	Shell-Thick	SLU-SISMICA	-9.3917	0.3229	-4.89	12.03
77	Shell-Thick	SLU-SISMICA	-9.9844	-0.7757	-5.01	12.03
77	Shell-Thick	SLE-RARA	-5.0692	-0.9125	-3.54	4.00
77	Shell-Thick	SLE-RARA	-4.8127	-0.5849	-3.47	4.00
77	Shell-Thick	SLE-RARA	-4.2893	-0.3439	-3.47	3.89
77	Shell-Thick	SLE-RARA	-4.5412	-0.7028	-3.54	3.89
77	Shell-Thick	SLE-FREQ.	-4.6324	-0.9008	-3.42	3.37
77	Shell-Thick	SLE-FREQ.	-4.4028	-0.6260	-3.36	3.37
77	Shell-Thick	SLE-FREQ.	-3.8958	-0.3953	-3.36	3.26
77	Shell-Thick	SLE-FREQ.	-4.1214	-0.6972	-3.42	3.26

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77	Shell-Thick	SLE-QP	-3.3222	-0.8657	-3.08	1.46
77	Shell-Thick	SLE-QP	-3.1733	-0.7493	-3.03	1.46
77	Shell-Thick	SLE-QP	-2.7154	-0.5496	-3.03	1.38
77	Shell-Thick	SLE-QP	-2.8622	-0.6803	-3.08	1.38
78	Shell-Thick	SLU-STATICA	-6.6020	-0.9761	-4.92	5.57
78	Shell-Thick	SLU-STATICA	-6.1663	-0.4756	-4.85	5.57
78	Shell-Thick	SLU-STATICA	-5.4301	-0.3967	-4.85	5.45
78	Shell-Thick	SLU-STATICA	-5.8719	-0.8547	-4.92	5.45
78	Shell-Thick	SLU-SISMICA	-10.2619	-0.7983	-5.46	12.05
78	Shell-Thick	SLU-SISMICA	-9.5005	0.2682	-5.36	12.05
78	Shell-Thick	SLU-SISMICA	-8.6848	0.2699	-5.36	11.88
78	Shell-Thick	SLU-SISMICA	-9.4535	-0.7458	-5.46	11.88
78	Shell-Thick	SLE-RARA	-4.8202	-0.7485	-3.70	3.90
78	Shell-Thick	SLE-RARA	-4.5063	-0.3974	-3.65	3.90
78	Shell-Thick	SLE-RARA	-3.9524	-0.3338	-3.65	3.81
78	Shell-Thick	SLE-RARA	-4.2709	-0.6531	-3.70	3.81
78	Shell-Thick	SLE-FREQ.	-4.4006	-0.7446	-3.57	3.27
78	Shell-Thick	SLE-FREQ.	-4.1212	-0.4488	-3.52	3.27
78	Shell-Thick	SLE-FREQ.	-3.5875	-0.3803	-3.52	3.19
78	Shell-Thick	SLE-FREQ.	-3.8713	-0.6459	-3.57	3.19
78	Shell-Thick	SLE-QP	-3.1417	-0.7331	-3.16	1.38
78	Shell-Thick	SLE-QP	-2.9658	-0.6028	-3.12	1.38
78	Shell-Thick	SLE-QP	-2.4927	-0.5200	-3.12	1.32
78	Shell-Thick	SLE-QP	-2.6724	-0.6245	-3.16	1.32
79	Shell-Thick	SLU-STATICA	-6.1793	-0.9248	-5.26	5.44
79	Shell-Thick	SLU-STATICA	-5.9280	-0.4877	-5.19	5.44
79	Shell-Thick	SLU-STATICA	-5.1482	-0.0704	-5.19	5.33
79	Shell-Thick	SLU-STATICA	-5.3904	-0.5703	-5.26	5.33
79	Shell-Thick	SLU-SISMICA	-9.6257	-0.7867	-6.07	11.88
79	Shell-Thick	SLU-SISMICA	-9.1643	0.1805	-5.96	11.88
79	Shell-Thick	SLU-SISMICA	-8.2703	0.7174	-5.96	11.70
79	Shell-Thick	SLU-SISMICA	-8.7145	-0.3672	-6.07	11.70
79	Shell-Thick	SLE-RARA	-4.5106	-0.7076	-3.95	3.80
79	Shell-Thick	SLE-RARA	-4.3306	-0.4028	-3.90	3.80
79	Shell-Thick	SLE-RARA	-3.7455	-0.0926	-3.90	3.72
79	Shell-Thick	SLE-RARA	-3.9189	-0.4423	-3.95	3.72
79	Shell-Thick	SLE-FREQ.	-4.1161	-0.7015	-3.78	3.18
79	Shell-Thick	SLE-FREQ.	-3.9578	-0.4478	-3.74	3.18
79	Shell-Thick	SLE-FREQ.	-3.3965	-0.1551	-3.74	3.10
79	Shell-Thick	SLE-FREQ.	-3.5491	-0.4481	-3.78	3.10
79	Shell-Thick	SLE-QP	-2.9328	-0.6832	-3.29	1.31
79	Shell-Thick	SLE-QP	-2.8396	-0.5827	-3.26	1.31
79	Shell-Thick	SLE-QP	-2.3498	-0.3424	-3.26	1.26
79	Shell-Thick	SLE-QP	-2.4397	-0.4654	-3.29	1.26
80	Shell-Thick	SLU-STATICA	-5.9721	-0.6587	-5.59	5.35
80	Shell-Thick	SLU-STATICA	-5.5411	-0.1770	-5.55	5.35
80	Shell-Thick	SLU-STATICA	-4.7026	0.0303	-5.55	5.28
80	Shell-Thick	SLU-STATICA	-5.1393	-0.4126	-5.59	5.28
80	Shell-Thick	SLU-SISMICA	-9.3403	-0.4363	-6.64	11.74
80	Shell-Thick	SLU-SISMICA	-8.5656	0.6023	-6.57	11.74
80	Shell-Thick	SLU-SISMICA	-7.5712	0.8091	-6.57	11.62
80	Shell-Thick	SLU-SISMICA	-8.3524	-0.1848	-6.64	11.62
80	Shell-Thick	SLE-RARA	-4.3575	-0.5102	-4.18	3.73
80	Shell-Thick	SLE-RARA	-4.0480	-0.1729	-4.16	3.73
80	Shell-Thick	SLE-RARA	-3.4204	-0.0159	-4.16	3.69
80	Shell-Thick	SLE-RARA	-3.7341	-0.3240	-4.18	3.69
80	Shell-Thick	SLE-FREQ.	-3.9733	-0.5159	-3.99	3.12
80	Shell-Thick	SLE-FREQ.	-3.6996	-0.2327	-3.97	3.12
80	Shell-Thick	SLE-FREQ.	-3.1003	-0.0795	-3.97	3.07
80	Shell-Thick	SLE-FREQ.	-3.3780	-0.3348	-3.99	3.07
80	Shell-Thick	SLE-QP	-2.8205	-0.5330	-3.42	1.26
80	Shell-Thick	SLE-QP	-2.6545	-0.4120	-3.41	1.26
80	Shell-Thick	SLE-QP	-2.1401	-0.2703	-3.41	1.24
80	Shell-Thick	SLE-QP	-2.3097	-0.3670	-3.42	1.24
81	Shell-Thick	SLU-STATICA	-5.5394	-0.5085	-6.02	5.27
81	Shell-Thick	SLU-STATICA	-5.4068	-0.0948	-6.00	5.27
81	Shell-Thick	SLU-STATICA	-4.5116	0.4409	-6.00	5.24
81	Shell-Thick	SLU-STATICA	-4.6315	-0.0598	-6.02	5.24
81	Shell-Thick	SLU-SISMICA	-8.6725	-0.2644	-7.37	11.61

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81	Shell-Thick	SLU-SISMICA	-8.3843	0.6620	-7.31	11.61
81	Shell-Thick	SLU-SISMICA	-7.2951	1.3900	-7.31	11.50
81	Shell-Thick	SLU-SISMICA	-7.5600	0.3055	-7.37	11.50
81	Shell-Thick	SLE-RARA	-4.0413	-0.3974	-4.49	3.68
81	Shell-Thick	SLE-RARA	-3.9486	-0.1095	-4.48	3.68
81	Shell-Thick	SLE-RARA	-3.2799	0.2868	-4.48	3.66
81	Shell-Thick	SLE-RARA	-3.3635	-0.0635	-4.49	3.66
81	Shell-Thick	SLE-FREQ.	-3.6842	-0.4077	-4.27	3.07
81	Shell-Thick	SLE-FREQ.	-3.6065	-0.1690	-4.26	3.07
81	Shell-Thick	SLE-FREQ.	-2.9703	0.2018	-4.26	3.05
81	Shell-Thick	SLE-FREQ.	-3.0399	-0.0920	-4.27	3.05
81	Shell-Thick	SLE-QP	-2.6128	-0.4385	-3.61	1.23
81	Shell-Thick	SLE-QP	-2.5803	-0.3475	-3.61	1.23
81	Shell-Thick	SLE-QP	-2.0414	-0.0534	-3.61	1.24
81	Shell-Thick	SLE-QP	-2.0691	-0.1774	-3.61	1.24
82	Shell-Thick	SLU-STATICA	-5.4148	-0.1754	-6.45	5.27
82	Shell-Thick	SLU-STATICA	-4.9823	0.3057	-6.50	5.27
82	Shell-Thick	SLU-STATICA	-4.0083	0.7002	-6.50	5.35
82	Shell-Thick	SLU-STATICA	-4.4464	0.2577	-6.45	5.35
82	Shell-Thick	SLU-SISMICA	-8.5131	0.1959	-8.09	11.56
82	Shell-Thick	SLU-SISMICA	-7.7213	1.2238	-8.10	11.56
82	Shell-Thick	SLU-SISMICA	-6.5034	1.7245	-8.10	11.57
82	Shell-Thick	SLU-SISMICA	-7.3016	0.7406	-8.09	11.57
82	Shell-Thick	SLE-RARA	-3.9486	-0.1514	-4.81	3.68
82	Shell-Thick	SLE-RARA	-3.6388	0.1859	-4.84	3.68
82	Shell-Thick	SLE-RARA	-2.9129	0.4795	-4.84	3.74
82	Shell-Thick	SLE-RARA	-3.2270	0.1712	-4.81	3.74
82	Shell-Thick	SLE-FREQ.	-3.5966	-0.1782	-4.55	3.07
82	Shell-Thick	SLE-FREQ.	-3.3240	0.1059	-4.59	3.07
82	Shell-Thick	SLE-FREQ.	-2.6360	0.3835	-4.59	3.14
82	Shell-Thick	SLE-FREQ.	-2.9128	0.1273	-4.55	3.14
82	Shell-Thick	SLE-QP	-2.5407	-0.2585	-3.79	1.25
82	Shell-Thick	SLE-QP	-2.3795	-0.1342	-3.84	1.25
82	Shell-Thick	SLE-QP	-1.8054	0.0955	-3.84	1.33
82	Shell-Thick	SLE-QP	-1.9702	-0.0044	-3.79	1.33
83	Shell-Thick	SLU-STATICA	-4.9078	0.1373	-7.01	5.33
83	Shell-Thick	SLU-STATICA	-4.9110	0.5478	-7.12	5.33
83	Shell-Thick	SLU-STATICA	-3.8602	1.2544	-7.12	5.51
83	Shell-Thick	SLU-STATICA	-3.8391	0.7216	-7.01	5.51
83	Shell-Thick	SLU-SISMICA	-7.7251	0.6257	-9.02	11.55
83	Shell-Thick	SLU-SISMICA	-7.6495	1.5255	-9.06	11.55
83	Shell-Thick	SLU-SISMICA	-6.3092	2.5249	-9.06	11.63
83	Shell-Thick	SLU-SISMICA	-6.3531	1.4085	-9.02	11.63
83	Shell-Thick	SLE-RARA	-3.5785	0.0797	-5.21	3.73
83	Shell-Thick	SLE-RARA	-3.5848	0.3664	-5.29	3.73
83	Shell-Thick	SLE-RARA	-2.8030	0.8872	-5.29	3.87
83	Shell-Thick	SLE-RARA	-2.7838	0.5126	-5.21	3.87
83	Shell-Thick	SLE-FREQ.	-3.2587	0.0376	-4.92	3.13
83	Shell-Thick	SLE-FREQ.	-3.2714	0.2770	-5.00	3.13
83	Shell-Thick	SLE-FREQ.	-2.5326	0.7609	-5.00	3.27
83	Shell-Thick	SLE-FREQ.	-2.5085	0.4435	-4.92	3.27
83	Shell-Thick	SLE-QP	-2.2994	-0.0887	-4.04	1.32
83	Shell-Thick	SLE-QP	-2.3311	0.0088	-4.13	1.32
83	Shell-Thick	SLE-QP	-1.7215	0.3820	-4.13	1.48
83	Shell-Thick	SLE-QP	-1.6828	0.2362	-4.04	1.48
84	Shell-Thick	SLU-STATICA	-4.8719	0.5709	-7.69	5.55
84	Shell-Thick	SLU-STATICA	-4.4208	1.0864	-7.89	5.55
84	Shell-Thick	SLU-STATICA	-3.2491	1.7860	-7.89	5.89
84	Shell-Thick	SLU-STATICA	-3.7055	1.3058	-7.69	5.89
84	Shell-Thick	SLU-SISMICA	-7.7202	1.2473	-10.10	11.71
84	Shell-Thick	SLU-SISMICA	-6.8980	2.2949	-10.23	11.71
84	Shell-Thick	SLU-SISMICA	-5.3697	3.2808	-10.23	11.93
84	Shell-Thick	SLU-SISMICA	-6.1976	2.2722	-10.10	11.93
84	Shell-Thick	SLE-RARA	-3.5497	0.3989	-5.71	3.90
84	Shell-Thick	SLE-RARA	-3.2264	0.7630	-5.86	3.90
84	Shell-Thick	SLE-RARA	-2.3563	1.2788	-5.86	4.17
84	Shell-Thick	SLE-RARA	-2.6836	0.9413	-5.71	4.17
84	Shell-Thick	SLE-FREQ.	-3.2281	0.3335	-5.37	3.30
84	Shell-Thick	SLE-FREQ.	-2.9432	0.6448	-5.53	3.30

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84	Shell-Thick	SLE-FREQ.	-2.1239	1.1244	-5.53	3.57
84	Shell-Thick	SLE-FREQ.	-2.4126	0.8387	-5.37	3.57
84	Shell-Thick	SLE-QP	-2.2633	0.1372	-4.35	1.49
84	Shell-Thick	SLE-QP	-2.0939	0.2904	-4.52	1.49
84	Shell-Thick	SLE-QP	-1.4268	0.6613	-4.52	1.77
84	Shell-Thick	SLE-QP	-1.5997	0.5308	-4.35	1.77
85	Shell-Thick	SLU-STATICA	-9.5870	-1.1314	-3.62	8.61
85	Shell-Thick	SLU-STATICA	-9.0242	-0.3580	-3.45	8.61
85	Shell-Thick	SLU-STATICA	-8.6209	-0.6172	-3.45	8.41
85	Shell-Thick	SLU-STATICA	-9.2170	-1.3227	-3.62	8.41
85	Shell-Thick	SLU-SISMICA	-14.2768	0.0069	-2.49	16.97
85	Shell-Thick	SLU-SISMICA	-13.3653	1.5092	-2.19	16.97
85	Shell-Thick	SLU-SISMICA	-13.0878	0.9534	-2.19	16.59
85	Shell-Thick	SLU-SISMICA	-14.0427	-0.4605	-2.49	16.59
85	Shell-Thick	SLE-RARA	-7.0307	-0.9140	-2.80	6.11
85	Shell-Thick	SLE-RARA	-6.6217	-0.3643	-2.68	6.11
85	Shell-Thick	SLE-RARA	-6.3098	-0.5459	-2.68	5.96
85	Shell-Thick	SLE-RARA	-6.7436	-1.0452	-2.80	5.96
85	Shell-Thick	SLE-FREQ.	-6.4720	-0.9850	-2.82	5.27
85	Shell-Thick	SLE-FREQ.	-6.1017	-0.5088	-2.72	5.27
85	Shell-Thick	SLE-FREQ.	-5.7871	-0.6615	-2.72	5.14
85	Shell-Thick	SLE-FREQ.	-6.1808	-1.0903	-2.82	5.14
85	Shell-Thick	SLE-QP	-4.7957	-1.1981	-2.89	2.76
85	Shell-Thick	SLE-QP	-4.5416	-0.9422	-2.83	2.76
85	Shell-Thick	SLE-QP	-4.2191	-1.0084	-2.83	2.68
85	Shell-Thick	SLE-QP	-4.4922	-1.2255	-2.89	2.68
86	Shell-Thick	SLU-STATICA	-9.2715	-1.3193	-3.79	8.41
86	Shell-Thick	SLU-STATICA	-8.5269	-0.6127	-3.62	8.41
86	Shell-Thick	SLU-STATICA	-8.1291	-0.3936	-3.62	8.20
86	Shell-Thick	SLU-STATICA	-8.8585	-1.1309	-3.79	8.20
86	Shell-Thick	SLU-SISMICA	-13.8983	-0.4014	-2.91	16.61
86	Shell-Thick	SLU-SISMICA	-12.7285	0.9950	-2.63	16.61
86	Shell-Thick	SLU-SISMICA	-12.4409	1.1717	-2.63	16.25
86	Shell-Thick	SLU-SISMICA	-13.5798	-0.2874	-2.91	16.25
86	Shell-Thick	SLE-RARA	-6.7948	-1.0454	-2.91	5.97
86	Shell-Thick	SLE-RARA	-6.2518	-0.5444	-2.79	5.97
86	Shell-Thick	SLE-RARA	-5.9449	-0.3762	-2.79	5.81
86	Shell-Thick	SLE-RARA	-6.4772	-0.8989	-2.91	5.81
86	Shell-Thick	SLE-FREQ.	-6.2471	-1.0950	-2.91	5.15
86	Shell-Thick	SLE-FREQ.	-5.7524	-0.6631	-2.81	5.15
86	Shell-Thick	SLE-FREQ.	-5.4440	-0.4956	-2.81	5.01
86	Shell-Thick	SLE-FREQ.	-5.9295	-0.9461	-2.91	5.01
86	Shell-Thick	SLE-QP	-4.6037	-1.2440	-2.92	2.68
86	Shell-Thick	SLE-QP	-4.2541	-1.0192	-2.84	2.68
86	Shell-Thick	SLE-QP	-3.9412	-0.8537	-2.84	2.59
86	Shell-Thick	SLE-QP	-4.2863	-1.0876	-2.92	2.59
87	Shell-Thick	SLU-STATICA	-8.7433	-1.1230	-3.88	8.19
87	Shell-Thick	SLU-STATICA	-8.1684	-0.3863	-3.73	8.19
87	Shell-Thick	SLU-STATICA	-7.5920	-0.5843	-3.73	7.93
87	Shell-Thick	SLU-STATICA	-8.1772	-1.2497	-3.88	7.93
87	Shell-Thick	SLU-SISMICA	-13.1515	-0.2123	-3.22	16.25
87	Shell-Thick	SLU-SISMICA	-12.2201	1.2264	-2.98	16.25
87	Shell-Thick	SLU-SISMICA	-11.7481	0.7391	-2.98	15.83
87	Shell-Thick	SLU-SISMICA	-12.6922	-0.6121	-3.22	15.83
87	Shell-Thick	SLE-RARA	-6.4055	-0.8963	-2.98	5.81
87	Shell-Thick	SLE-RARA	-5.9877	-0.3731	-2.86	5.81
87	Shell-Thick	SLE-RARA	-5.5456	-0.5086	-2.86	5.61
87	Shell-Thick	SLE-RARA	-5.9712	-0.9787	-2.98	5.61
87	Shell-Thick	SLE-FREQ.	-5.8853	-0.9490	-2.96	5.00
87	Shell-Thick	SLE-FREQ.	-5.5071	-0.4964	-2.86	5.00
87	Shell-Thick	SLE-FREQ.	-5.0673	-0.6049	-2.86	4.82
87	Shell-Thick	SLE-FREQ.	-5.4529	-1.0070	-2.96	4.82
87	Shell-Thick	SLE-QP	-4.3247	-1.1073	-2.90	2.59
87	Shell-Thick	SLE-QP	-4.0653	-0.8664	-2.83	2.59
87	Shell-Thick	SLE-QP	-3.6325	-0.8935	-2.83	2.46
87	Shell-Thick	SLE-QP	-3.8981	-1.0918	-2.90	2.46
88	Shell-Thick	SLU-STATICA	-8.1398	-1.2431	-4.05	7.92
88	Shell-Thick	SLU-STATICA	-7.5661	-0.5782	-3.91	7.92
88	Shell-Thick	SLU-STATICA	-6.9704	-0.4016	-3.91	7.69

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88	Shell-Thick	SLU-STATICA	-7.5400	-1.0947	-4.05	7.69
88	Shell-Thick	SLU-SISMICA	-12.3257	-0.5300	-3.65	15.83
88	Shell-Thick	SLU-SISMICA	-11.4045	0.7990	-3.45	15.83
88	Shell-Thick	SLU-SISMICA	-10.8768	0.9004	-3.45	15.48
88	Shell-Thick	SLU-SISMICA	-11.7882	-0.4946	-3.65	15.48
88	Shell-Thick	SLE-RARA	-5.9593	-0.9775	-3.09	5.61
88	Shell-Thick	SLE-RARA	-5.5418	-0.5068	-2.99	5.61
88	Shell-Thick	SLE-RARA	-5.0871	-0.3692	-2.99	5.44
88	Shell-Thick	SLE-RARA	-5.5016	-0.8594	-3.09	5.44
88	Shell-Thick	SLE-FREQ.	-5.4683	-1.0120	-3.05	4.82
88	Shell-Thick	SLE-FREQ.	-5.0897	-0.6074	-2.95	4.82
88	Shell-Thick	SLE-FREQ.	-4.6406	-0.4671	-2.95	4.66
88	Shell-Thick	SLE-FREQ.	-5.0169	-0.8875	-3.05	4.66
88	Shell-Thick	SLE-QP	-3.9955	-1.1155	-2.92	2.46
88	Shell-Thick	SLE-QP	-3.7335	-0.9095	-2.85	2.46
88	Shell-Thick	SLE-QP	-3.3012	-0.7608	-2.85	2.34
88	Shell-Thick	SLE-QP	-3.5625	-0.9719	-2.92	2.34
89	Shell-Thick	SLU-STATICA	-7.5516	-1.1027	-4.17	7.68
89	Shell-Thick	SLU-STATICA	-7.0492	-0.4117	-4.06	7.68
89	Shell-Thick	SLU-STATICA	-6.4270	-0.4806	-4.06	7.48
89	Shell-Thick	SLU-STATICA	-6.9385	-1.1088	-4.17	7.48
89	Shell-Thick	SLU-SISMICA	-11.5139	-0.4359	-3.99	15.48
89	Shell-Thick	SLU-SISMICA	-10.6747	0.9369	-3.83	15.48
89	Shell-Thick	SLU-SISMICA	-10.0831	0.6811	-3.83	15.21
89	Shell-Thick	SLU-SISMICA	-10.9333	-0.6159	-3.99	15.21
89	Shell-Thick	SLE-RARA	-5.5247	-0.8688	-3.17	5.43
89	Shell-Thick	SLE-RARA	-5.1608	-0.3792	-3.09	5.43
89	Shell-Thick	SLE-RARA	-4.6878	-0.4221	-3.09	5.28
89	Shell-Thick	SLE-RARA	-5.0585	-0.8647	-3.17	5.28
89	Shell-Thick	SLE-FREQ.	-5.0628	-0.9022	-3.11	4.66
89	Shell-Thick	SLE-FREQ.	-4.7356	-0.4806	-3.03	4.66
89	Shell-Thick	SLE-FREQ.	-4.2718	-0.5071	-3.03	4.52
89	Shell-Thick	SLE-FREQ.	-4.6055	-0.8839	-3.11	4.52
89	Shell-Thick	SLE-QP	-3.6773	-1.0023	-2.92	2.33
89	Shell-Thick	SLE-QP	-3.4601	-0.7851	-2.86	2.33
89	Shell-Thick	SLE-QP	-3.0236	-0.7624	-2.86	2.22
89	Shell-Thick	SLE-QP	-3.2464	-0.9415	-2.92	2.22
90	Shell-Thick	SLU-STATICA	-7.0427	-1.1335	-4.38	7.48
90	Shell-Thick	SLU-STATICA	-6.5902	-0.5093	-4.28	7.48
90	Shell-Thick	SLU-STATICA	-5.9432	-0.2502	-4.28	7.29
90	Shell-Thick	SLU-STATICA	-6.3903	-0.9107	-4.38	7.29
90	Shell-Thick	SLU-SISMICA	-10.7836	-0.5832	-4.44	15.21
90	Shell-Thick	SLU-SISMICA	-10.0304	0.6890	-4.29	15.21
90	Shell-Thick	SLU-SISMICA	-9.3813	0.9487	-4.29	14.95
90	Shell-Thick	SLU-SISMICA	-10.1228	-0.4029	-4.44	14.95
90	Shell-Thick	SLE-RARA	-5.1501	-0.8863	-3.32	5.28
90	Shell-Thick	SLE-RARA	-4.8222	-0.4456	-3.24	5.28
90	Shell-Thick	SLE-RARA	-4.3321	-0.2493	-3.24	5.14
90	Shell-Thick	SLE-RARA	-4.6562	-0.7154	-3.32	5.14
90	Shell-Thick	SLE-FREQ.	-4.7157	-0.9097	-3.23	4.52
90	Shell-Thick	SLE-FREQ.	-4.4206	-0.5331	-3.16	4.52
90	Shell-Thick	SLE-FREQ.	-3.9427	-0.3417	-3.16	4.39
90	Shell-Thick	SLE-FREQ.	-4.2346	-0.7395	-3.23	4.39
90	Shell-Thick	SLE-QP	-3.4124	-0.9798	-2.97	2.22
90	Shell-Thick	SLE-QP	-3.2157	-0.7956	-2.91	2.22
90	Shell-Thick	SLE-QP	-2.7746	-0.6188	-2.91	2.12
90	Shell-Thick	SLE-QP	-2.9700	-0.8118	-2.97	2.12
91	Shell-Thick	SLU-STATICA	-6.6426	-0.9557	-4.59	7.29
91	Shell-Thick	SLU-STATICA	-6.1674	-0.3005	-4.49	7.29
91	Shell-Thick	SLU-STATICA	-5.4824	-0.2435	-4.49	7.13
91	Shell-Thick	SLU-STATICA	-5.9657	-0.8431	-4.59	7.13
91	Shell-Thick	SLU-SISMICA	-10.2221	-0.4018	-4.86	14.97
91	Shell-Thick	SLU-SISMICA	-9.4031	0.9234	-4.73	14.97
91	Shell-Thick	SLU-SISMICA	-8.6789	0.8814	-4.73	14.75
91	Shell-Thick	SLU-SISMICA	-9.5074	-0.3785	-4.86	14.75
91	Shell-Thick	SLE-RARA	-4.8550	-0.7518	-3.46	5.14
91	Shell-Thick	SLE-RARA	-4.5121	-0.2887	-3.39	5.14
91	Shell-Thick	SLE-RARA	-3.9949	-0.2406	-3.39	5.02
91	Shell-Thick	SLE-RARA	-4.3439	-0.6620	-3.46	5.02



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91	Shell-Thick	SLE-FREQ.	-4.4411	-0.7788	-3.35	4.39
91	Shell-Thick	SLE-FREQ.	-4.1349	-0.3822	-3.29	4.39
91	Shell-Thick	SLE-FREQ.	-3.6338	-0.3271	-3.29	4.27
91	Shell-Thick	SLE-FREQ.	-3.9458	-0.6838	-3.35	4.27
91	Shell-Thick	SLE-QP	-3.1995	-0.8597	-3.03	2.11
91	Shell-Thick	SLE-QP	-3.0034	-0.6626	-2.98	2.11
91	Shell-Thick	SLE-QP	-2.5502	-0.5866	-2.98	2.02
91	Shell-Thick	SLE-QP	-2.7513	-0.7494	-3.03	2.02
92	Shell-Thick	SLU-STATICA	-6.2265	-0.9027	-4.88	7.13
92	Shell-Thick	SLU-STATICA	-5.8751	-0.3147	-4.79	7.13
92	Shell-Thick	SLU-STATICA	-5.1534	0.0301	-4.79	6.96
92	Shell-Thick	SLU-STATICA	-5.4975	-0.6075	-4.88	6.96
92	Shell-Thick	SLU-SISMICA	-9.5998	-0.3997	-5.40	14.75
92	Shell-Thick	SLU-SISMICA	-8.9853	0.8228	-5.27	14.75
92	Shell-Thick	SLU-SISMICA	-8.1918	1.2329	-5.27	14.52
92	Shell-Thick	SLU-SISMICA	-8.7913	-0.0911	-5.40	14.52
92	Shell-Thick	SLE-RARA	-4.5499	-0.7090	-3.67	5.02
92	Shell-Thick	SLE-RARA	-4.2968	-0.2951	-3.60	5.02
92	Shell-Thick	SLE-RARA	-3.7536	-0.0371	-3.60	4.90
92	Shell-Thick	SLE-RARA	-4.0015	-0.4860	-3.67	4.90
92	Shell-Thick	SLE-FREQ.	-4.1605	-0.7329	-3.54	4.27
92	Shell-Thick	SLE-FREQ.	-3.9353	-0.3813	-3.47	4.27
92	Shell-Thick	SLE-FREQ.	-3.4113	-0.1350	-3.47	4.16
92	Shell-Thick	SLE-FREQ.	-3.6322	-0.5165	-3.54	4.16
92	Shell-Thick	SLE-QP	-2.9923	-0.8044	-3.14	2.02
92	Shell-Thick	SLE-QP	-2.8507	-0.6399	-3.09	2.02
92	Shell-Thick	SLE-QP	-2.3846	-0.4288	-3.09	1.93
92	Shell-Thick	SLE-QP	-2.5241	-0.6078	-3.14	1.93
93	Shell-Thick	SLU-STATICA	-5.9801	-0.6866	-5.18	6.98
93	Shell-Thick	SLU-STATICA	-5.5150	-0.0595	-5.11	6.98
93	Shell-Thick	SLU-STATICA	-4.7397	0.1227	-5.11	6.85
93	Shell-Thick	SLU-STATICA	-5.2123	-0.4528	-5.18	6.85
93	Shell-Thick	SLU-SISMICA	-9.2527	-0.1427	-5.94	14.55
93	Shell-Thick	SLU-SISMICA	-8.4285	1.1448	-5.83	14.55
93	Shell-Thick	SLU-SISMICA	-7.5416	1.3062	-5.83	14.37
93	Shell-Thick	SLU-SISMICA	-8.3744	0.0780	-5.94	14.37
93	Shell-Thick	SLE-RARA	-4.3683	-0.5474	-3.89	4.91
93	Shell-Thick	SLE-RARA	-4.0338	-0.1051	-3.83	4.91
93	Shell-Thick	SLE-RARA	-3.4518	0.0340	-3.83	4.81
93	Shell-Thick	SLE-RARA	-3.7920	-0.3695	-3.89	4.81
93	Shell-Thick	SLE-FREQ.	-3.9917	-0.5786	-3.73	4.16
93	Shell-Thick	SLE-FREQ.	-3.6949	-0.2015	-3.68	4.16
93	Shell-Thick	SLE-FREQ.	-3.1364	-0.0641	-3.68	4.08
93	Shell-Thick	SLE-FREQ.	-3.4387	-0.4040	-3.73	4.08
93	Shell-Thick	SLE-QP	-2.8617	-0.6722	-3.25	1.93
93	Shell-Thick	SLE-QP	-2.6782	-0.4907	-3.22	1.93
93	Shell-Thick	SLE-QP	-2.1903	-0.3584	-3.22	1.87
93	Shell-Thick	SLE-QP	-2.3786	-0.5075	-3.25	1.87
94	Shell-Thick	SLU-STATICA	-5.5964	-0.5425	-5.57	6.84
94	Shell-Thick	SLU-STATICA	-5.3499	0.0136	-5.51	6.84
94	Shell-Thick	SLU-STATICA	-4.5239	0.4541	-5.51	6.73
94	Shell-Thick	SLU-STATICA	-4.7604	-0.1700	-5.57	6.73
94	Shell-Thick	SLU-SISMICA	-8.6596	0.0111	-6.60	14.36
94	Shell-Thick	SLU-SISMICA	-8.1936	1.1857	-6.49	14.36
94	Shell-Thick	SLU-SISMICA	-7.2217	1.7521	-6.49	14.17
94	Shell-Thick	SLU-SISMICA	-7.6682	0.4449	-6.60	14.17
94	Shell-Thick	SLE-RARA	-4.0880	-0.4386	-4.17	4.81
94	Shell-Thick	SLE-RARA	-3.9121	-0.0481	-4.12	4.81
94	Shell-Thick	SLE-RARA	-3.2935	0.2794	-4.12	4.73
94	Shell-Thick	SLE-RARA	-3.4623	-0.1594	-4.17	4.73
94	Shell-Thick	SLE-FREQ.	-3.7354	-0.4733	-3.98	4.07
94	Shell-Thick	SLE-FREQ.	-3.5820	-0.1433	-3.94	4.07
94	Shell-Thick	SLE-FREQ.	-2.9906	0.1658	-3.94	4.00
94	Shell-Thick	SLE-FREQ.	-3.1380	-0.2061	-3.98	4.00
94	Shell-Thick	SLE-QP	-2.6778	-0.5774	-3.42	1.86
94	Shell-Thick	SLE-QP	-2.5915	-0.4287	-3.39	1.86
94	Shell-Thick	SLE-QP	-2.0819	-0.1749	-3.39	1.81
94	Shell-Thick	SLE-QP	-2.1650	-0.3459	-3.42	1.81
95	Shell-Thick	SLU-STATICA	-5.4567	-0.2796	-5.98	6.75



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95	Shell-Thick	SLU-STATICA	-4.9938	0.3304	-5.96	6.75
95	Shell-Thick	SLU-STATICA	-4.0944	0.6695	-5.96	6.70
95	Shell-Thick	SLU-STATICA	-4.5647	0.1101	-5.98	6.70
95	Shell-Thick	SLU-SISMICA	-8.4700	0.3476	-7.28	14.21
95	Shell-Thick	SLU-SISMICA	-7.6315	1.6071	-7.20	14.21
95	Shell-Thick	SLU-SISMICA	-6.5410	2.0144	-7.20	14.08
95	Shell-Thick	SLU-SISMICA	-7.3878	0.8123	-7.28	14.08
95	Shell-Thick	SLE-RARA	-3.9847	-0.2431	-4.47	4.74
95	Shell-Thick	SLE-RARA	-3.6526	0.1868	-4.45	4.74
95	Shell-Thick	SLE-RARA	-2.9806	0.4403	-4.45	4.71
95	Shell-Thick	SLE-RARA	-3.3182	0.0485	-4.47	4.71
95	Shell-Thick	SLE-FREQ.	-3.6388	-0.2887	-4.25	4.01
95	Shell-Thick	SLE-FREQ.	-3.3457	0.0772	-4.24	4.01
95	Shell-Thick	SLE-FREQ.	-2.7060	0.3189	-4.24	3.98
95	Shell-Thick	SLE-FREQ.	-3.0044	-0.0105	-4.25	3.98
95	Shell-Thick	SLE-QP	-2.6011	-0.4253	-3.60	1.82
95	Shell-Thick	SLE-QP	-2.4252	-0.2513	-3.60	1.82
95	Shell-Thick	SLE-QP	-1.8824	-0.0452	-3.60	1.81
95	Shell-Thick	SLE-QP	-2.0630	-0.1872	-3.60	1.81
96	Shell-Thick	SLU-STATICA	-5.0411	-0.0064	-6.50	6.68
96	Shell-Thick	SLU-STATICA	-4.9088	0.5278	-6.50	6.68
96	Shell-Thick	SLU-STATICA	-3.9405	1.0936	-6.50	6.69
96	Shell-Thick	SLU-STATICA	-4.0589	0.4648	-6.50	6.69
96	Shell-Thick	SLU-SISMICA	-7.8196	0.7063	-8.10	14.07
96	Shell-Thick	SLU-SISMICA	-7.5241	1.8374	-8.04	14.07
96	Shell-Thick	SLU-SISMICA	-6.3260	2.5988	-8.04	13.97
96	Shell-Thick	SLU-SISMICA	-6.5955	1.2907	-8.10	13.97
96	Shell-Thick	SLE-RARA	-3.6814	-0.0403	-4.84	4.70
96	Shell-Thick	SLE-RARA	-3.5893	0.3347	-4.85	4.70
96	Shell-Thick	SLE-RARA	-2.8670	0.7536	-4.85	4.70
96	Shell-Thick	SLE-RARA	-2.9492	0.3110	-4.84	4.70
96	Shell-Thick	SLE-FREQ.	-3.3623	-0.0979	-4.59	3.97
96	Shell-Thick	SLE-FREQ.	-3.2859	0.2188	-4.60	3.97
96	Shell-Thick	SLE-FREQ.	-2.6003	0.6114	-4.60	3.99
96	Shell-Thick	SLE-FREQ.	-2.6681	0.2355	-4.59	3.99
96	Shell-Thick	SLE-QP	-2.4050	-0.2706	-3.84	1.80
96	Shell-Thick	SLE-QP	-2.3756	-0.1288	-3.86	1.80
96	Shell-Thick	SLE-QP	-1.8001	0.1845	-3.86	1.85
96	Shell-Thick	SLE-QP	-1.8245	0.0088	-3.84	1.85
97	Shell-Thick	SLU-STATICA	-4.9725	0.3247	-7.10	6.72
97	Shell-Thick	SLU-STATICA	-4.5034	0.9384	-7.16	6.72
97	Shell-Thick	SLU-STATICA	-3.4303	1.5026	-7.16	6.83
97	Shell-Thick	SLU-STATICA	-3.9066	0.9381	-7.10	6.83
97	Shell-Thick	SLU-SISMICA	-7.7488	1.1490	-9.03	14.03
97	Shell-Thick	SLU-SISMICA	-6.8912	2.3968	-9.03	14.03
97	Shell-Thick	SLU-SISMICA	-5.5323	3.1545	-9.03	14.02
97	Shell-Thick	SLU-SISMICA	-6.3979	1.9619	-9.03	14.02
97	Shell-Thick	SLE-RARA	-3.6295	0.2049	-5.28	4.72
97	Shell-Thick	SLE-RARA	-3.2934	0.6384	-5.33	4.72
97	Shell-Thick	SLE-RARA	-2.4945	1.0563	-5.33	4.82
97	Shell-Thick	SLE-RARA	-2.8360	0.6598	-5.28	4.82
97	Shell-Thick	SLE-FREQ.	-3.3119	0.1321	-4.99	4.01
97	Shell-Thick	SLE-FREQ.	-3.0160	0.5028	-5.05	4.01
97	Shell-Thick	SLE-FREQ.	-2.2603	0.8945	-5.05	4.11
97	Shell-Thick	SLE-FREQ.	-2.5614	0.5594	-4.99	4.11
97	Shell-Thick	SLE-QP	-2.3589	-0.0863	-4.12	1.85
97	Shell-Thick	SLE-QP	-2.1837	0.0960	-4.19	1.85
97	Shell-Thick	SLE-QP	-1.5575	0.4091	-4.19	1.98
97	Shell-Thick	SLE-QP	-1.7374	0.2582	-4.12	1.98
98	Shell-Thick	SLU-STATICA	-4.5019	0.7895	-7.86	6.81
98	Shell-Thick	SLU-STATICA	-4.4828	1.3216	-7.97	6.81
98	Shell-Thick	SLU-STATICA	-3.3049	2.0711	-7.97	6.99
98	Shell-Thick	SLU-STATICA	-3.3040	1.4023	-7.86	6.99
98	Shell-Thick	SLU-SISMICA	-7.0234	1.8098	-10.20	14.01
98	Shell-Thick	SLU-SISMICA	-6.9105	2.9058	-10.20	14.01
98	Shell-Thick	SLU-SISMICA	-5.3984	3.9523	-10.20	14.01
98	Shell-Thick	SLU-SISMICA	-5.4753	2.6107	-10.20	14.01
98	Shell-Thick	SLE-RARA	-3.2857	0.5474	-5.84	4.80
98	Shell-Thick	SLE-RARA	-3.2758	0.9225	-5.93	4.80

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98	Shell-Thick	SLE-RARA	-2.3999	1.4756	-5.93	4.95
98	Shell-Thick	SLE-RARA	-2.3954	1.0024	-5.84	4.95
98	Shell-Thick	SLE-FREQ.	-2.9974	0.4501	-5.51	4.09
98	Shell-Thick	SLE-FREQ.	-2.9956	0.7696	-5.60	4.09
98	Shell-Thick	SLE-FREQ.	-2.1687	1.2846	-5.60	4.25
98	Shell-Thick	SLE-FREQ.	-2.1579	0.8784	-5.51	4.25
98	Shell-Thick	SLE-QP	-2.1328	0.1580	-4.50	1.96
98	Shell-Thick	SLE-QP	-2.1547	0.3108	-4.61	1.96
98	Shell-Thick	SLE-QP	-1.4750	0.7117	-4.61	2.15
98	Shell-Thick	SLE-QP	-1.4454	0.5063	-4.50	2.15
99	Shell-Thick	SLU-STATICA	-9.1118	-1.0848	-3.50	10.38
99	Shell-Thick	SLU-STATICA	-8.2642	-0.2099	-3.34	10.38
99	Shell-Thick	SLU-STATICA	-7.8989	0.0458	-3.34	10.18
99	Shell-Thick	SLU-STATICA	-8.7284	-0.8657	-3.50	10.18
99	Shell-Thick	SLU-SISMICA	-13.4968	0.4362	-2.26	19.75
99	Shell-Thick	SLU-SISMICA	-12.1632	2.1007	-1.99	19.75
99	Shell-Thick	SLU-SISMICA	-11.9492	2.3152	-1.99	19.41
99	Shell-Thick	SLU-SISMICA	-13.2463	0.5766	-2.26	19.41
99	Shell-Thick	SLE-RARA	-6.6859	-0.8978	-2.71	7.40
99	Shell-Thick	SLE-RARA	-6.0679	-0.2741	-2.60	7.40
99	Shell-Thick	SLE-RARA	-5.7835	-0.0783	-2.60	7.25
99	Shell-Thick	SLE-RARA	-6.3887	-0.7278	-2.71	7.25
99	Shell-Thick	SLE-FREQ.	-6.1607	-1.0006	-2.75	6.44
99	Shell-Thick	SLE-FREQ.	-5.5978	-0.4573	-2.65	6.44
99	Shell-Thick	SLE-FREQ.	-5.3080	-0.2629	-2.65	6.32
99	Shell-Thick	SLE-FREQ.	-5.8599	-0.8284	-2.75	6.32
99	Shell-Thick	SLE-QP	-4.5850	-1.3092	-2.85	3.59
99	Shell-Thick	SLE-QP	-4.1878	-1.0067	-2.79	3.59
99	Shell-Thick	SLE-QP	-3.8816	-0.8166	-2.79	3.50
99	Shell-Thick	SLE-QP	-4.2735	-1.1302	-2.85	3.50
100	Shell-Thick	SLU-STATICA	-8.5999	-0.8649	-3.60	10.16
100	Shell-Thick	SLU-STATICA	-8.0263	0.0453	-3.45	10.16
100	Shell-Thick	SLU-STATICA	-7.6229	-0.1762	-3.45	9.98
100	Shell-Thick	SLU-STATICA	-8.2311	-1.0160	-3.60	9.98
100	Shell-Thick	SLU-SISMICA	-12.8390	0.6332	-2.60	19.40
100	Shell-Thick	SLU-SISMICA	-11.8992	2.3501	-2.36	19.40
100	Shell-Thick	SLU-SISMICA	-11.6063	1.8624	-2.36	19.09
100	Shell-Thick	SLU-SISMICA	-12.5901	0.2350	-2.60	19.09
100	Shell-Thick	SLE-RARA	-6.3053	-0.7300	-2.78	7.24
100	Shell-Thick	SLE-RARA	-5.8889	-0.0805	-2.67	7.24
100	Shell-Thick	SLE-RARA	-5.5777	-0.2351	-2.67	7.11
100	Shell-Thick	SLE-RARA	-6.0198	-0.8322	-2.78	7.11
100	Shell-Thick	SLE-FREQ.	-5.8014	-0.8351	-2.79	6.30
100	Shell-Thick	SLE-FREQ.	-5.4254	-0.2679	-2.70	6.30
100	Shell-Thick	SLE-FREQ.	-5.1128	-0.3968	-2.70	6.18
100	Shell-Thick	SLE-FREQ.	-5.5132	-0.9145	-2.79	6.18
100	Shell-Thick	SLE-QP	-4.2899	-1.1505	-2.84	3.49
100	Shell-Thick	SLE-QP	-4.0350	-0.8302	-2.77	3.49
100	Shell-Thick	SLE-QP	-3.7181	-0.8821	-2.77	3.41
100	Shell-Thick	SLE-QP	-3.9932	-1.1614	-2.84	3.41
101	Shell-Thick	SLU-STATICA	-8.2498	-1.0116	-3.78	9.98
101	Shell-Thick	SLU-STATICA	-7.5503	-0.1699	-3.63	9.98
101	Shell-Thick	SLU-STATICA	-6.9967	0.0065	-3.63	9.71
101	Shell-Thick	SLU-STATICA	-7.6918	-0.8651	-3.78	9.71
101	Shell-Thick	SLU-SISMICA	-12.3421	0.3073	-3.05	19.11
101	Shell-Thick	SLU-SISMICA	-11.2288	1.9152	-2.82	19.11
101	Shell-Thick	SLU-SISMICA	-10.7937	1.9891	-2.82	18.70
101	Shell-Thick	SLU-SISMICA	-11.8961	0.3079	-3.05	18.70
101	Shell-Thick	SLE-RARA	-6.0473	-0.8322	-2.90	7.11
101	Shell-Thick	SLE-RARA	-5.5378	-0.2326	-2.79	7.11
101	Shell-Thick	SLE-RARA	-5.1125	-0.0938	-2.79	6.91
101	Shell-Thick	SLE-RARA	-5.6189	-0.7139	-2.90	6.91
101	Shell-Thick	SLE-FREQ.	-5.5619	-0.9201	-2.89	6.18
101	Shell-Thick	SLE-FREQ.	-5.0990	-0.3982	-2.79	6.18
101	Shell-Thick	SLE-FREQ.	-4.6744	-0.2544	-2.79	6.00
101	Shell-Thick	SLE-FREQ.	-5.1348	-0.7927	-2.89	6.00
101	Shell-Thick	SLE-QP	-4.1056	-1.1836	-2.85	3.41
101	Shell-Thick	SLE-QP	-3.7824	-0.8951	-2.78	3.41
101	Shell-Thick	SLE-QP	-3.3601	-0.7363	-2.78	3.28

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101	Shell-Thick	SLE-QP	-3.6827	-1.0291	-2.85	3.28
102	Shell-Thick	SLU-STATICA	-7.6318	-0.8655	-3.91	9.70
102	Shell-Thick	SLU-STATICA	-7.0665	0.0050	-3.77	9.70
102	Shell-Thick	SLU-STATICA	-6.4854	-0.1005	-3.77	9.47
102	Shell-Thick	SLU-STATICA	-7.0613	-0.8978	-3.91	9.47
102	Shell-Thick	SLU-SISMICA	-11.5054	0.3822	-3.43	18.70
102	Shell-Thick	SLU-SISMICA	-10.5717	2.0374	-3.24	18.70
102	Shell-Thick	SLU-SISMICA	-10.0656	1.7068	-3.24	18.37
102	Shell-Thick	SLU-SISMICA	-11.0118	0.1375	-3.43	18.37
102	Shell-Thick	SLE-RARA	-5.5899	-0.7180	-2.98	6.91
102	Shell-Thick	SLE-RARA	-5.1799	-0.0974	-2.88	6.91
102	Shell-Thick	SLE-RARA	-4.7358	-0.1662	-2.88	6.73
102	Shell-Thick	SLE-RARA	-5.1538	-0.7319	-2.98	6.73
102	Shell-Thick	SLE-FREQ.	-5.1337	-0.8028	-2.95	6.00
102	Shell-Thick	SLE-FREQ.	-4.7641	-0.2621	-2.86	6.00
102	Shell-Thick	SLE-FREQ.	-4.3248	-0.3106	-2.86	5.83
102	Shell-Thick	SLE-FREQ.	-4.7021	-0.7989	-2.95	5.83
102	Shell-Thick	SLE-QP	-3.7652	-1.0573	-2.85	3.27
102	Shell-Thick	SLE-QP	-3.5168	-0.7559	-2.77	3.27
102	Shell-Thick	SLE-QP	-3.0918	-0.7439	-2.77	3.14
102	Shell-Thick	SLE-QP	-3.3469	-1.0001	-2.85	3.14
103	Shell-Thick	SLU-STATICA	-7.1171	-0.9102	-4.10	9.47
103	Shell-Thick	SLU-STATICA	-6.5534	-0.1128	-3.97	9.47
103	Shell-Thick	SLU-STATICA	-5.9510	0.0937	-3.97	9.24
103	Shell-Thick	SLU-STATICA	-6.5100	-0.7362	-4.10	9.24
103	Shell-Thick	SLU-SISMICA	-10.7810	0.1929	-3.88	18.37
103	Shell-Thick	SLU-SISMICA	-9.8604	1.7387	-3.70	18.37
103	Shell-Thick	SLU-SISMICA	-9.2978	1.8982	-3.70	18.07
103	Shell-Thick	SLU-SISMICA	-10.2070	0.2741	-3.88	18.07
103	Shell-Thick	SLE-RARA	-5.2104	-0.7447	-3.11	6.73
103	Shell-Thick	SLE-RARA	-4.8010	-0.1777	-3.02	6.73
103	Shell-Thick	SLE-RARA	-4.3426	-0.0189	-3.02	6.56
103	Shell-Thick	SLE-RARA	-4.7486	-0.6082	-3.11	6.56
103	Shell-Thick	SLE-FREQ.	-4.7808	-0.8170	-3.06	5.83
103	Shell-Thick	SLE-FREQ.	-4.4108	-0.3255	-2.97	5.83
103	Shell-Thick	SLE-FREQ.	-3.9605	-0.1667	-2.97	5.67
103	Shell-Thick	SLE-FREQ.	-4.3277	-0.6762	-3.06	5.67
103	Shell-Thick	SLE-QP	-3.4921	-1.0339	-2.88	3.14
103	Shell-Thick	SLE-QP	-3.2404	-0.7689	-2.81	3.14
103	Shell-Thick	SLE-QP	-2.8141	-0.6102	-2.81	3.01
103	Shell-Thick	SLE-QP	-3.0650	-0.8804	-2.88	3.01
104	Shell-Thick	SLU-STATICA	-6.6487	-0.7670	-4.27	9.24
104	Shell-Thick	SLU-STATICA	-6.1277	0.0613	-4.15	9.24
104	Shell-Thick	SLU-STATICA	-5.4912	0.0829	-4.15	9.04
104	Shell-Thick	SLU-STATICA	-6.0219	-0.6787	-4.27	9.04
104	Shell-Thick	SLU-SISMICA	-10.1246	0.3006	-4.27	18.07
104	Shell-Thick	SLU-SISMICA	-9.2397	1.8998	-4.12	18.07
104	Shell-Thick	SLU-SISMICA	-8.6045	1.7921	-4.12	17.81
104	Shell-Thick	SLU-SISMICA	-9.5006	0.2694	-4.27	17.81
104	Shell-Thick	SLE-RARA	-4.8647	-0.6343	-3.23	6.56
104	Shell-Thick	SLE-RARA	-4.4881	-0.0451	-3.15	6.56
104	Shell-Thick	SLE-RARA	-4.0058	-0.0224	-3.15	6.41
104	Shell-Thick	SLE-RARA	-4.3897	-0.5615	-3.23	6.41
104	Shell-Thick	SLE-FREQ.	-4.4591	-0.7064	-3.15	5.67
104	Shell-Thick	SLE-FREQ.	-4.1217	-0.1951	-3.07	5.67
104	Shell-Thick	SLE-FREQ.	-3.6512	-0.1623	-3.07	5.53
104	Shell-Thick	SLE-FREQ.	-3.9956	-0.6255	-3.15	5.53
104	Shell-Thick	SLE-QP	-3.2423	-0.9227	-2.91	3.01
104	Shell-Thick	SLE-QP	-3.0225	-0.6450	-2.85	3.01
104	Shell-Thick	SLE-QP	-2.5873	-0.5820	-2.85	2.89
104	Shell-Thick	SLE-QP	-2.8132	-0.8178	-2.91	2.89
105	Shell-Thick	SLU-STATICA	-6.2276	-0.7254	-4.52	9.03
105	Shell-Thick	SLU-STATICA	-5.7739	0.0319	-4.40	9.03
105	Shell-Thick	SLU-STATICA	-5.1073	0.3135	-4.40	8.83
105	Shell-Thick	SLU-STATICA	-5.5551	-0.4835	-4.52	8.83
105	Shell-Thick	SLU-SISMICA	-9.5018	0.2714	-4.77	17.81
105	Shell-Thick	SLU-SISMICA	-8.7330	1.7642	-4.62	17.81
105	Shell-Thick	SLU-SISMICA	-8.0356	2.0636	-4.62	17.55
105	Shell-Thick	SLU-SISMICA	-8.7910	0.4799	-4.77	17.55

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

105	Shell-Thick	SLE-RARA	-4.5558	-0.5993	-3.41	6.41
105	Shell-Thick	SLE-RARA	-4.2277	-0.0621	-3.33	6.41
105	Shell-Thick	SLE-RARA	-3.7241	0.1504	-3.33	6.26
105	Shell-Thick	SLE-RARA	-4.0481	-0.4144	-3.41	6.26
105	Shell-Thick	SLE-FREQ.	-4.1744	-0.6664	-3.31	5.53
105	Shell-Thick	SLE-FREQ.	-3.8802	-0.2030	-3.23	5.53
105	Shell-Thick	SLE-FREQ.	-3.3916	0.0028	-3.23	5.39
105	Shell-Thick	SLE-FREQ.	-3.6824	-0.4833	-3.31	5.39
105	Shell-Thick	SLE-QP	-3.0302	-0.8678	-2.99	2.89
105	Shell-Thick	SLE-QP	-2.8380	-0.6255	-2.93	2.89
105	Shell-Thick	SLE-QP	-2.3942	-0.4398	-2.93	2.78
105	Shell-Thick	SLE-QP	-2.5852	-0.6902	-2.99	2.78
106	Shell-Thick	SLU-STATICA	-5.9276	-0.5504	-4.78	8.84
106	Shell-Thick	SLU-STATICA	-5.4252	0.2423	-4.68	8.84
106	Shell-Thick	SLU-STATICA	-4.7108	0.3884	-4.68	8.66
106	Shell-Thick	SLU-STATICA	-5.2224	-0.3413	-4.78	8.66
106	Shell-Thick	SLU-SISMICA	-9.0737	0.4505	-5.26	17.57
106	Shell-Thick	SLU-SISMICA	-8.1973	2.0042	-5.12	17.57
106	Shell-Thick	SLU-SISMICA	-7.4136	2.1037	-5.12	17.34
106	Shell-Thick	SLU-SISMICA	-8.3003	0.6210	-5.26	17.34
106	Shell-Thick	SLE-RARA	-4.3348	-0.4669	-3.60	6.26
106	Shell-Thick	SLE-RARA	-3.9728	0.0958	-3.52	6.26
106	Shell-Thick	SLE-RARA	-3.4349	0.2089	-3.52	6.13
106	Shell-Thick	SLE-RARA	-3.8038	-0.3066	-3.60	6.13
106	Shell-Thick	SLE-FREQ.	-3.9694	-0.5376	-3.47	5.39
106	Shell-Thick	SLE-FREQ.	-3.6470	-0.0513	-3.40	5.39
106	Shell-Thick	SLE-FREQ.	-3.1281	0.0628	-3.40	5.27
106	Shell-Thick	SLE-FREQ.	-3.4571	-0.3781	-3.47	5.27
106	Shell-Thick	SLE-QP	-2.8731	-0.7499	-3.09	2.77
106	Shell-Thick	SLE-QP	-2.6697	-0.4928	-3.03	2.77
106	Shell-Thick	SLE-QP	-2.2077	-0.3756	-3.03	2.68
106	Shell-Thick	SLE-QP	-2.4169	-0.5927	-3.09	2.68
107	Shell-Thick	SLU-STATICA	-5.5697	-0.4214	-5.13	8.66
107	Shell-Thick	SLU-STATICA	-5.2163	0.2980	-5.03	8.66
107	Shell-Thick	SLU-STATICA	-4.4585	0.6595	-5.03	8.48
107	Shell-Thick	SLU-STATICA	-4.8042	-0.1119	-5.13	8.48
107	Shell-Thick	SLU-SISMICA	-8.5214	0.5719	-5.85	17.33
107	Shell-Thick	SLU-SISMICA	-7.8922	2.0129	-5.71	17.33
107	Shell-Thick	SLU-SISMICA	-7.0330	2.4473	-5.71	17.09
107	Shell-Thick	SLU-SISMICA	-7.6457	0.8942	-5.85	17.09
107	Shell-Thick	SLE-RARA	-4.0733	-0.3688	-3.85	6.13
107	Shell-Thick	SLE-RARA	-3.8193	0.1404	-3.77	6.13
107	Shell-Thick	SLE-RARA	-3.2501	0.4107	-3.77	6.00
107	Shell-Thick	SLE-RARA	-3.4988	-0.1349	-3.85	6.00
107	Shell-Thick	SLE-FREQ.	-3.7303	-0.4414	-3.69	5.26
107	Shell-Thick	SLE-FREQ.	-3.5052	-0.0040	-3.63	5.26
107	Shell-Thick	SLE-FREQ.	-2.9584	0.2536	-3.63	5.14
107	Shell-Thick	SLE-FREQ.	-3.1790	-0.2143	-3.69	5.14
107	Shell-Thick	SLE-QP	-2.7013	-0.6590	-3.23	2.67
107	Shell-Thick	SLE-QP	-2.5629	-0.4372	-3.18	2.67
107	Shell-Thick	SLE-QP	-2.0832	-0.2175	-3.18	2.58
107	Shell-Thick	SLE-QP	-2.2197	-0.4524	-3.23	2.58
108	Shell-Thick	SLU-STATICA	-5.3990	-0.2123	-5.50	8.49
108	Shell-Thick	SLU-STATICA	-4.9040	0.5518	-5.42	8.49
108	Shell-Thick	SLU-STATICA	-4.0800	0.8358	-5.42	8.36
108	Shell-Thick	SLU-STATICA	-4.5840	0.1336	-5.50	8.36
108	Shell-Thick	SLU-SISMICA	-8.2785	0.8141	-6.47	17.12
108	Shell-Thick	SLU-SISMICA	-7.3950	2.3285	-6.35	17.12
108	Shell-Thick	SLU-SISMICA	-6.4278	2.6463	-6.35	16.91
108	Shell-Thick	SLU-SISMICA	-7.3213	1.2011	-6.47	16.91
108	Shell-Thick	SLE-RARA	-3.9476	-0.2120	-4.12	6.01
108	Shell-Thick	SLE-RARA	-3.5918	0.3296	-4.06	6.01
108	Shell-Thick	SLE-RARA	-2.9746	0.5431	-4.06	5.91
108	Shell-Thick	SLE-RARA	-3.3371	0.0481	-4.12	5.91
108	Shell-Thick	SLE-FREQ.	-3.6136	-0.2911	-3.94	5.15
108	Shell-Thick	SLE-FREQ.	-3.2985	0.1755	-3.89	5.15
108	Shell-Thick	SLE-FREQ.	-2.7083	0.3810	-3.89	5.06
108	Shell-Thick	SLE-FREQ.	-3.0299	-0.0409	-3.94	5.06
108	Shell-Thick	SLE-QP	-2.6117	-0.5284	-3.39	2.58

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

108	Shell-Thick	SLE-QP	-2.4187	-0.2869	-3.36	2.58
108	Shell-Thick	SLE-QP	-1.9094	-0.1056	-3.36	2.52
108	Shell-Thick	SLE-QP	-2.1082	-0.3076	-3.39	2.52
109	Shell-Thick	SLU-STATICA	-5.0482	0.0236	-5.96	8.35
109	Shell-Thick	SLU-STATICA	-4.7971	0.7096	-5.90	8.35
109	Shell-Thick	SLU-STATICA	-3.9124	1.1683	-5.90	8.24
109	Shell-Thick	SLU-STATICA	-4.1530	0.4113	-5.96	8.24
109	Shell-Thick	SLU-SISMICA	-7.7244	1.1076	-7.21	16.90
109	Shell-Thick	SLU-SISMICA	-7.2428	2.4962	-7.09	16.90
109	Shell-Thick	SLU-SISMICA	-6.1808	3.0815	-7.09	16.68
109	Shell-Thick	SLU-SISMICA	-6.6412	1.5488	-7.21	16.68
109	Shell-Thick	SLE-RARA	-3.6918	-0.0361	-4.46	5.90
109	Shell-Thick	SLE-RARA	-3.5131	0.4487	-4.41	5.90
109	Shell-Thick	SLE-RARA	-2.8515	0.7899	-4.41	5.82
109	Shell-Thick	SLE-RARA	-3.0229	0.2550	-4.46	5.82
109	Shell-Thick	SLE-FREQ.	-3.3809	-0.1243	-4.24	5.05
109	Shell-Thick	SLE-FREQ.	-3.2255	0.2908	-4.20	5.05
109	Shell-Thick	SLE-FREQ.	-2.5948	0.6132	-4.20	4.98
109	Shell-Thick	SLE-FREQ.	-2.7439	0.1552	-4.24	4.98
109	Shell-Thick	SLE-QP	-2.4480	-0.3889	-3.61	2.51
109	Shell-Thick	SLE-QP	-2.3627	-0.1829	-3.59	2.51
109	Shell-Thick	SLE-QP	-1.8246	0.0831	-3.59	2.47
109	Shell-Thick	SLE-QP	-1.9069	-0.1441	-3.61	2.47
110	Shell-Thick	SLU-STATICA	-4.9626	0.2797	-6.50	8.26
110	Shell-Thick	SLU-STATICA	-4.4673	1.0270	-6.47	8.26
110	Shell-Thick	SLU-STATICA	-3.4901	1.4894	-6.47	8.22
110	Shell-Thick	SLU-STATICA	-3.9943	0.8034	-6.50	8.22
110	Shell-Thick	SLU-SISMICA	-7.6147	1.4228	-8.03	16.73
110	Shell-Thick	SLU-SISMICA	-6.7169	2.9056	-7.94	16.73
110	Shell-Thick	SLU-SISMICA	-5.5136	3.4974	-7.94	16.57
110	Shell-Thick	SLU-SISMICA	-6.4215	2.0831	-8.03	16.57
110	Shell-Thick	SLE-RARA	-3.6282	0.1550	-4.85	5.84
110	Shell-Thick	SLE-RARA	-3.2730	0.6846	-4.83	5.84
110	Shell-Thick	SLE-RARA	-2.5437	1.0285	-4.83	5.81
110	Shell-Thick	SLE-RARA	-2.9057	0.5450	-4.85	5.81
110	Shell-Thick	SLE-FREQ.	-3.3208	0.0572	-4.60	5.00
110	Shell-Thick	SLE-FREQ.	-3.0074	0.5133	-4.59	5.00
110	Shell-Thick	SLE-FREQ.	-2.3147	0.8381	-4.59	4.98
110	Shell-Thick	SLE-FREQ.	-2.6346	0.4264	-4.60	4.98
110	Shell-Thick	SLE-QP	-2.3986	-0.2361	-3.86	2.48
110	Shell-Thick	SLE-QP	-2.2107	-4.710E-04	-3.87	2.48
110	Shell-Thick	SLE-QP	-1.6277	0.2670	-3.87	2.49
110	Shell-Thick	SLE-QP	-1.8213	0.0706	-3.86	2.49
111	Shell-Thick	SLU-STATICA	-4.5692	0.6640	-7.15	8.20
111	Shell-Thick	SLU-STATICA	-4.4239	1.3270	-7.15	8.20
111	Shell-Thick	SLU-STATICA	-3.3586	1.9184	-7.15	8.21
111	Shell-Thick	SLU-STATICA	-3.4891	1.1541	-7.15	8.21
111	Shell-Thick	SLU-SISMICA	-6.9980	1.9476	-9.01	16.56
111	Shell-Thick	SLU-SISMICA	-6.6782	3.2847	-8.92	16.56
111	Shell-Thick	SLU-SISMICA	-5.3475	4.0686	-8.92	16.41
111	Shell-Thick	SLU-SISMICA	-5.6388	2.5373	-9.01	16.41
111	Shell-Thick	SLE-RARA	-3.3413	0.4392	-5.32	5.80
111	Shell-Thick	SLE-RARA	-3.2398	0.9080	-5.33	5.80
111	Shell-Thick	SLE-RARA	-2.4458	1.3465	-5.33	5.81
111	Shell-Thick	SLE-RARA	-2.5367	0.8056	-5.32	5.81
111	Shell-Thick	SLE-FREQ.	-3.0593	0.3229	-5.04	4.97
111	Shell-Thick	SLE-FREQ.	-2.9747	0.7247	-5.05	4.97
111	Shell-Thick	SLE-FREQ.	-2.2221	1.1366	-5.05	4.99
111	Shell-Thick	SLE-FREQ.	-2.2975	0.6721	-5.04	4.99
111	Shell-Thick	SLE-QP	-2.2133	-0.0261	-4.19	2.48
111	Shell-Thick	SLE-QP	-2.1793	0.1749	-4.22	2.48
111	Shell-Thick	SLE-QP	-1.5508	0.5069	-4.22	2.54
111	Shell-Thick	SLE-QP	-1.5798	0.2714	-4.19	2.54
112	Shell-Thick	SLU-STATICA	-4.5550	0.9873	-7.96	8.24
112	Shell-Thick	SLU-STATICA	-4.0386	1.7360	-8.01	8.24
112	Shell-Thick	SLU-STATICA	-2.8360	2.4566	-8.01	8.32
112	Shell-Thick	SLU-STATICA	-3.3608	1.7647	-7.96	8.32
112	Shell-Thick	SLU-SISMICA	-7.0230	2.3607	-10.19	16.48
112	Shell-Thick	SLU-SISMICA	-6.0871	3.8204	-10.13	16.48

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

112	Shell-Thick	SLU-SISMICA	-4.5580	4.8098	-10.13	16.37
112	Shell-Thick	SLU-SISMICA	-5.5030	3.4121	-10.19	16.37
112	Shell-Thick	SLE-RARA	-3.3285	0.6797	-5.92	5.83
112	Shell-Thick	SLE-RARA	-2.9581	1.2116	-5.96	5.83
112	Shell-Thick	SLE-RARA	-2.0632	1.7442	-5.96	5.90
112	Shell-Thick	SLE-RARA	-2.4399	1.2551	-5.92	5.90
112	Shell-Thick	SLE-FREQ.	-3.0437	0.5501	-5.59	5.01
112	Shell-Thick	SLE-FREQ.	-2.7168	1.0104	-5.64	5.01
112	Shell-Thick	SLE-FREQ.	-1.8708	1.5078	-5.64	5.10
112	Shell-Thick	SLE-FREQ.	-2.2037	1.0888	-5.59	5.10
112	Shell-Thick	SLE-QP	-2.1890	0.1612	-4.61	2.55
112	Shell-Thick	SLE-QP	-1.9930	0.4069	-4.68	2.55
112	Shell-Thick	SLE-QP	-1.2936	0.7986	-4.68	2.68
112	Shell-Thick	SLE-QP	-1.4951	0.5898	-4.61	2.68
113	Shell-Thick	SLU-STATICA	-8.3460	-0.4861	-3.32	12.26
113	Shell-Thick	SLU-STATICA	-7.8005	0.6126	-3.19	12.26
113	Shell-Thick	SLU-STATICA	-7.4245	0.3753	-3.19	12.09
113	Shell-Thick	SLU-STATICA	-8.0099	-0.6421	-3.32	12.09
113	Shell-Thick	SLU-SISMICA	-12.2899	1.6894	-1.95	22.58
113	Shell-Thick	SLU-SISMICA	-11.3875	3.6914	-1.73	22.58
113	Shell-Thick	SLU-SISMICA	-11.1607	3.1696	-1.73	22.31
113	Shell-Thick	SLU-SISMICA	-12.1136	1.2704	-1.95	22.31
113	Shell-Thick	SLE-RARA	-6.1276	-0.4767	-2.58	8.78
113	Shell-Thick	SLE-RARA	-5.7320	0.3108	-2.49	8.78
113	Shell-Thick	SLE-RARA	-5.4396	0.1452	-2.49	8.65
113	Shell-Thick	SLE-RARA	-5.8650	-0.5818	-2.58	8.65
113	Shell-Thick	SLE-FREQ.	-5.6524	-0.6438	-2.63	7.71
113	Shell-Thick	SLE-FREQ.	-5.2959	0.0501	-2.54	7.71
113	Shell-Thick	SLE-FREQ.	-4.9985	-0.0880	-2.54	7.60
113	Shell-Thick	SLE-FREQ.	-5.3831	-0.7246	-2.63	7.60
113	Shell-Thick	SLE-QP	-4.2268	-1.1449	-2.78	4.52
113	Shell-Thick	SLE-QP	-3.9876	-0.7319	-2.72	4.52
113	Shell-Thick	SLE-QP	-3.6750	-0.7877	-2.72	4.44
113	Shell-Thick	SLE-QP	-3.9376	-1.1531	-2.78	4.44
114	Shell-Thick	SLU-STATICA	-8.1147	-0.6397	-3.50	12.11
114	Shell-Thick	SLU-STATICA	-7.2613	0.3846	-3.35	12.11
114	Shell-Thick	SLU-STATICA	-6.8965	0.5908	-3.35	11.92
114	Shell-Thick	SLU-STATICA	-7.7307	-0.4725	-3.50	11.92
114	Shell-Thick	SLU-SISMICA	-12.0363	1.3309	-2.41	22.34
114	Shell-Thick	SLU-SISMICA	-10.6880	3.2192	-2.19	22.34
114	Shell-Thick	SLU-SISMICA	-10.4564	3.3733	-2.19	22.06
114	Shell-Thick	SLU-SISMICA	-11.7647	1.4039	-2.41	22.06
114	Shell-Thick	SLE-RARA	-5.9534	-0.5829	-2.70	8.66
114	Shell-Thick	SLE-RARA	-5.3314	0.1502	-2.59	8.66
114	Shell-Thick	SLE-RARA	-5.0484	0.3090	-2.59	8.53
114	Shell-Thick	SLE-RARA	-5.6569	-0.4515	-2.70	8.53
114	Shell-Thick	SLE-FREQ.	-5.4844	-0.7305	-2.73	7.61
114	Shell-Thick	SLE-FREQ.	-4.9184	-0.0864	-2.62	7.61
114	Shell-Thick	SLE-FREQ.	-4.6313	0.0727	-2.62	7.48
114	Shell-Thick	SLE-FREQ.	-5.1859	-0.5946	-2.73	7.48
114	Shell-Thick	SLE-QP	-4.0772	-1.1732	-2.79	4.45
114	Shell-Thick	SLE-QP	-3.6792	-0.7964	-2.72	4.45
114	Shell-Thick	SLE-QP	-3.3803	-0.6361	-2.72	4.35
114	Shell-Thick	SLE-QP	-3.7729	-1.0238	-2.79	4.35
115	Shell-Thick	SLU-STATICA	-7.6194	-0.4730	-3.62	11.90
115	Shell-Thick	SLU-STATICA	-6.9987	0.5931	-3.47	11.90
115	Shell-Thick	SLU-STATICA	-6.4608	0.4626	-3.47	11.65
115	Shell-Thick	SLU-STATICA	-7.0936	-0.5204	-3.62	11.65
115	Shell-Thick	SLU-SISMICA	-11.3355	1.4705	-2.80	22.04
115	Shell-Thick	SLU-SISMICA	-10.3187	3.4202	-2.59	22.04
115	Shell-Thick	SLU-SISMICA	-9.9073	3.0328	-2.59	21.69
115	Shell-Thick	SLU-SISMICA	-10.9380	1.1786	-2.80	21.69
115	Shell-Thick	SLE-RARA	-5.5883	-0.4552	-2.78	8.51
115	Shell-Thick	SLE-RARA	-5.1378	0.3086	-2.67	8.51
115	Shell-Thick	SLE-RARA	-4.7239	0.2225	-2.67	8.33
115	Shell-Thick	SLE-RARA	-5.1835	-0.4790	-2.78	8.33
115	Shell-Thick	SLE-FREQ.	-5.1452	-0.6037	-2.78	7.47
115	Shell-Thick	SLE-FREQ.	-4.7383	0.0686	-2.68	7.47
115	Shell-Thick	SLE-FREQ.	-4.3242	0.0058	-2.68	7.30

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

115	Shell-Thick	SLE-FREQ.	-4.7398	-0.6068	-2.78	7.30
115	Shell-Thick	SLE-QP	-3.8156	-1.0492	-2.78	4.34
115	Shell-Thick	SLE-QP	-3.5397	-0.6512	-2.70	4.34
115	Shell-Thick	SLE-QP	-3.1250	-0.6443	-2.70	4.21
115	Shell-Thick	SLE-QP	-3.4085	-0.9902	-2.78	4.21
116	Shell-Thick	SLU-STATICA	-7.1386	-0.5258	-3.81	11.65
116	Shell-Thick	SLU-STATICA	-6.4521	0.4608	-3.66	11.65
116	Shell-Thick	SLU-STATICA	-5.8940	0.6375	-3.66	11.40
116	Shell-Thick	SLU-STATICA	-6.5756	-0.3814	-3.81	11.40
116	Shell-Thick	SLU-SISMICA	-10.6845	1.2482	-3.29	21.70
116	Shell-Thick	SLU-SISMICA	-9.5796	3.0795	-3.09	21.70
116	Shell-Thick	SLU-SISMICA	-9.1073	3.1742	-3.09	21.35
116	Shell-Thick	SLU-SISMICA	-10.2000	1.2604	-3.29	21.35
116	Shell-Thick	SLE-RARA	-5.2325	-0.4868	-2.91	8.33
116	Shell-Thick	SLE-RARA	-4.7332	0.2187	-2.80	8.33
116	Shell-Thick	SLE-RARA	-4.3060	0.3567	-2.80	8.14
116	Shell-Thick	SLE-RARA	-4.8020	-0.3708	-2.91	8.14
116	Shell-Thick	SLE-FREQ.	-4.8121	-0.6206	-2.88	7.30
116	Shell-Thick	SLE-FREQ.	-4.3594	-0.0019	-2.78	7.30
116	Shell-Thick	SLE-FREQ.	-3.9357	0.1394	-2.78	7.12
116	Shell-Thick	SLE-FREQ.	-4.3858	-0.4966	-2.88	7.12
116	Shell-Thick	SLE-QP	-3.5508	-1.0220	-2.80	4.21
116	Shell-Thick	SLE-QP	-3.2383	-0.6637	-2.72	4.21
116	Shell-Thick	SLE-QP	-2.8250	-0.5124	-2.72	4.07
116	Shell-Thick	SLE-QP	-3.1370	-0.8740	-2.80	4.07
117	Shell-Thick	SLU-STATICA	-6.6135	-0.3998	-3.96	11.39
117	Shell-Thick	SLU-STATICA	-6.0392	0.6192	-3.83	11.39
117	Shell-Thick	SLU-STATICA	-5.4491	0.6056	-3.83	11.16
117	Shell-Thick	SLU-STATICA	-6.0345	-0.3375	-3.96	11.16
117	Shell-Thick	SLU-SISMICA	-9.9569	1.3092	-3.69	21.36
117	Shell-Thick	SLU-SISMICA	-8.9952	3.1964	-3.51	21.36
117	Shell-Thick	SLU-SISMICA	-8.4487	3.0222	-3.51	21.06
117	Shell-Thick	SLU-SISMICA	-9.4228	1.2199	-3.69	21.06
117	Shell-Thick	SLE-RARA	-4.8447	-0.3881	-3.02	8.14
117	Shell-Thick	SLE-RARA	-4.4288	0.3408	-2.92	8.14
117	Shell-Thick	SLE-RARA	-3.9796	0.3385	-2.92	7.97
117	Shell-Thick	SLE-RARA	-4.4038	-0.3333	-3.02	7.97
117	Shell-Thick	SLE-FREQ.	-4.4505	-0.5190	-2.96	7.12
117	Shell-Thick	SLE-FREQ.	-4.0767	0.1206	-2.87	7.12
117	Shell-Thick	SLE-FREQ.	-3.6349	0.1315	-2.87	6.96
117	Shell-Thick	SLE-FREQ.	-4.0167	-0.4531	-2.96	6.96
117	Shell-Thick	SLE-QP	-3.2679	-0.9116	-2.81	4.06
117	Shell-Thick	SLE-QP	-3.0203	-0.5400	-2.73	4.06
117	Shell-Thick	SLE-QP	-2.6010	-0.4893	-2.73	3.93
117	Shell-Thick	SLE-QP	-2.8556	-0.8124	-2.81	3.93
118	Shell-Thick	SLU-STATICA	-6.1886	-0.3709	-4.18	11.16
118	Shell-Thick	SLU-STATICA	-5.6254	0.5729	-4.05	11.16
118	Shell-Thick	SLU-STATICA	-5.0106	0.8009	-4.05	10.93
118	Shell-Thick	SLU-STATICA	-5.5687	-0.1767	-4.18	10.93
118	Shell-Thick	SLU-SISMICA	-9.3390	1.2454	-4.16	21.06
118	Shell-Thick	SLU-SISMICA	-8.4070	3.0218	-3.99	21.06
118	Shell-Thick	SLU-SISMICA	-7.8025	3.2263	-3.99	20.77
118	Shell-Thick	SLU-SISMICA	-8.7218	1.3636	-4.16	20.77
118	Shell-Thick	SLE-RARA	-4.5323	-0.3616	-3.17	7.96
118	Shell-Thick	SLE-RARA	-4.1240	0.3121	-3.07	7.96
118	Shell-Thick	SLE-RARA	-3.6576	0.4860	-3.07	7.79
118	Shell-Thick	SLE-RARA	-4.0625	-0.2106	-3.17	7.79
118	Shell-Thick	SLE-FREQ.	-4.1617	-0.4855	-3.09	6.95
118	Shell-Thick	SLE-FREQ.	-3.7937	0.1032	-3.00	6.95
118	Shell-Thick	SLE-FREQ.	-3.3380	0.2747	-3.00	6.79
118	Shell-Thick	SLE-FREQ.	-3.7032	-0.3320	-3.09	6.79
118	Shell-Thick	SLE-QP	-3.0497	-0.8573	-2.87	3.92
118	Shell-Thick	SLE-QP	-2.8029	-0.5237	-2.79	3.92
118	Shell-Thick	SLE-QP	-2.3791	-0.3592	-2.79	3.79
118	Shell-Thick	SLE-QP	-2.6254	-0.6962	-2.87	3.79
119	Shell-Thick	SLU-STATICA	-5.8264	-0.2295	-4.40	10.93
119	Shell-Thick	SLU-STATICA	-5.2816	0.7479	-4.28	10.93
119	Shell-Thick	SLU-STATICA	-4.6247	0.8534	-4.28	10.71
119	Shell-Thick	SLU-STATICA	-5.1800	-0.0515	-4.40	10.71



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119	Shell-Thick	SLU-SISMICA	-8.8211	1.3588	-4.61	20.78
119	Shell-Thick	SLU-SISMICA	-7.8861	3.1945	-4.45	20.78
119	Shell-Thick	SLU-SISMICA	-7.2006	3.2253	-4.45	20.51
119	Shell-Thick	SLU-SISMICA	-8.1473	1.4696	-4.61	20.51
119	Shell-Thick	SLE-RARA	-4.2657	-0.2530	-3.33	7.79
119	Shell-Thick	SLE-RARA	-3.8723	0.4449	-3.24	7.79
119	Shell-Thick	SLE-RARA	-3.3759	0.5285	-3.24	7.63
119	Shell-Thick	SLE-RARA	-3.7773	-0.1148	-3.33	7.63
119	Shell-Thick	SLE-FREQ.	-3.9144	-0.3773	-3.23	6.79
119	Shell-Thick	SLE-FREQ.	-3.5628	0.2328	-3.14	6.79
119	Shell-Thick	SLE-FREQ.	-3.0810	0.3205	-3.14	6.64
119	Shell-Thick	SLE-FREQ.	-3.4403	-0.2370	-3.23	6.64
119	Shell-Thick	SLE-QP	-2.8605	-0.7502	-2.93	3.78
119	Shell-Thick	SLE-QP	-2.6342	-0.4033	-2.86	3.78
119	Shell-Thick	SLE-QP	-2.1962	-0.3033	-2.86	3.66
119	Shell-Thick	SLE-QP	-2.4293	-0.6035	-2.93	3.66
120	Shell-Thick	SLU-STATICA	-5.4790	-0.1195	-4.70	10.71
120	Shell-Thick	SLU-STATICA	-5.0201	0.7826	-4.58	10.71
120	Shell-Thick	SLU-STATICA	-4.3270	1.0768	-4.58	10.49
120	Shell-Thick	SLU-STATICA	-4.7801	0.1350	-4.70	10.49
120	Shell-Thick	SLU-SISMICA	-8.2887	1.4418	-5.15	20.51
120	Shell-Thick	SLU-SISMICA	-7.5014	3.1646	-4.98	20.51
120	Shell-Thick	SLU-SISMICA	-6.7489	3.4881	-4.98	20.22
120	Shell-Thick	SLU-SISMICA	-7.5218	1.6678	-5.15	20.22
120	Shell-Thick	SLE-RARA	-4.0117	-0.1684	-3.54	7.62
120	Shell-Thick	SLE-RARA	-3.6803	0.4743	-3.45	7.62
120	Shell-Thick	SLE-RARA	-3.1581	0.6958	-3.45	7.46
120	Shell-Thick	SLE-RARA	-3.4854	0.0259	-3.54	7.46
120	Shell-Thick	SLE-FREQ.	-3.6819	-0.2925	-3.42	6.63
120	Shell-Thick	SLE-FREQ.	-3.3856	0.2668	-3.33	6.63
120	Shell-Thick	SLE-FREQ.	-2.8812	0.4805	-3.33	6.48
120	Shell-Thick	SLE-FREQ.	-3.1742	-0.1007	-3.42	6.48
120	Shell-Thick	SLE-QP	-2.6924	-0.6650	-3.05	3.65
120	Shell-Thick	SLE-QP	-2.5016	-0.3555	-2.97	3.65
120	Shell-Thick	SLE-QP	-2.0505	-0.1655	-2.97	3.53
120	Shell-Thick	SLE-QP	-2.2404	-0.4805	-3.05	3.53
121	Shell-Thick	SLU-STATICA	-5.2642	0.0466	-5.03	10.49
121	Shell-Thick	SLU-STATICA	-4.7333	0.9871	-4.92	10.49
121	Shell-Thick	SLU-STATICA	-3.9819	1.2163	-4.92	10.30
121	Shell-Thick	SLU-STATICA	-4.5232	0.3477	-5.03	10.30
121	Shell-Thick	SLU-SISMICA	-7.9754	1.6087	-5.71	20.24
121	Shell-Thick	SLU-SISMICA	-7.0437	3.3976	-5.55	20.24
121	Shell-Thick	SLU-SISMICA	-6.1932	3.6287	-5.55	19.98
121	Shell-Thick	SLU-SISMICA	-7.1364	1.9187	-5.71	19.98
121	Shell-Thick	SLE-RARA	-3.8538	-0.0425	-3.78	7.47
121	Shell-Thick	SLE-RARA	-3.4715	0.6279	-3.69	7.47
121	Shell-Thick	SLE-RARA	-2.9070	0.8015	-3.69	7.32
121	Shell-Thick	SLE-RARA	-3.2972	0.1852	-3.78	7.32
121	Shell-Thick	SLE-FREQ.	-3.5360	-0.1698	-3.63	6.48
121	Shell-Thick	SLE-FREQ.	-3.1960	0.4143	-3.55	6.48
121	Shell-Thick	SLE-FREQ.	-2.6536	0.5835	-3.55	6.35
121	Shell-Thick	SLE-FREQ.	-3.0012	0.0515	-3.63	6.35
121	Shell-Thick	SLE-QP	-2.5825	-0.5518	-3.18	3.53
121	Shell-Thick	SLE-QP	-2.3696	-0.2264	-3.12	3.53
121	Shell-Thick	SLE-QP	-1.8934	-0.0706	-3.12	3.42
121	Shell-Thick	SLE-QP	-2.1130	-0.3495	-3.18	3.42
122	Shell-Thick	SLU-STATICA	-4.9550	0.2470	-5.43	10.29
122	Shell-Thick	SLU-STATICA	-4.5937	1.1084	-5.33	10.29
122	Shell-Thick	SLU-STATICA	-3.7902	1.4793	-5.33	10.10
122	Shell-Thick	SLU-STATICA	-4.1439	0.5663	-5.43	10.10
122	Shell-Thick	SLU-SISMICA	-7.4833	1.8418	-6.36	19.97
122	Shell-Thick	SLU-SISMICA	-6.8339	3.5081	-6.20	19.97
122	Shell-Thick	SLU-SISMICA	-5.9003	3.9532	-6.20	19.69
122	Shell-Thick	SLU-SISMICA	-6.5323	2.1688	-6.36	19.69
122	Shell-Thick	SLE-RARA	-3.6286	0.1077	-4.07	7.32
122	Shell-Thick	SLE-RARA	-3.3692	0.7203	-3.99	7.32
122	Shell-Thick	SLE-RARA	-2.7668	0.9976	-3.99	7.18
122	Shell-Thick	SLE-RARA	-3.0210	0.3493	-4.07	7.18
122	Shell-Thick	SLE-FREQ.	-3.3313	-0.0261	-3.90	6.34



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122	Shell-Thick	SLE-FREQ.	-3.1020	0.5053	-3.82	6.34
122	Shell-Thick	SLE-FREQ.	-2.5252	0.7697	-3.82	6.21
122	Shell-Thick	SLE-FREQ.	-2.7502	0.2090	-3.90	6.21
122	Shell-Thick	SLE-QP	-2.4396	-0.4272	-3.37	3.41
122	Shell-Thick	SLE-QP	-2.3005	-0.1396	-3.31	3.41
122	Shell-Thick	SLE-QP	-1.8003	0.0860	-3.31	3.32
122	Shell-Thick	SLE-QP	-1.9379	-0.2119	-3.37	3.32
123	Shell-Thick	SLU-STATICA	-4.8458	0.4447	-5.90	10.12
123	Shell-Thick	SLU-STATICA	-4.3202	1.3545	-5.82	10.12
123	Shell-Thick	SLU-STATICA	-3.4354	1.7310	-5.82	9.97
123	Shell-Thick	SLU-STATICA	-3.9716	0.8935	-5.90	9.97
123	Shell-Thick	SLU-SISMICA	-7.3272	2.0603	-7.09	19.73
123	Shell-Thick	SLU-SISMICA	-6.3879	3.8053	-6.94	19.73
123	Shell-Thick	SLU-SISMICA	-5.3294	4.2626	-6.94	19.48
123	Shell-Thick	SLU-SISMICA	-6.2803	2.5973	-7.09	19.48
123	Shell-Thick	SLE-RARA	-3.5482	0.2564	-4.41	7.19
123	Shell-Thick	SLE-RARA	-3.1705	0.9043	-4.35	7.19
123	Shell-Thick	SLE-RARA	-2.5088	1.1855	-4.35	7.08
123	Shell-Thick	SLE-RARA	-2.8944	0.5921	-4.41	7.08
123	Shell-Thick	SLE-FREQ.	-3.2568	0.1173	-4.21	6.22
123	Shell-Thick	SLE-FREQ.	-2.9224	0.6806	-4.15	6.22
123	Shell-Thick	SLE-FREQ.	-2.2913	0.9483	-4.15	6.13
123	Shell-Thick	SLE-FREQ.	-2.6333	0.4375	-4.21	6.13
123	Shell-Thick	SLE-QP	-2.3826	-0.2999	-3.59	3.32
123	Shell-Thick	SLE-QP	-2.1781	0.0095	-3.55	3.32
123	Shell-Thick	SLE-QP	-1.6387	0.2364	-3.55	3.26
123	Shell-Thick	SLE-QP	-1.8500	-0.0264	-3.59	3.26
124	Shell-Thick	SLU-STATICA	-4.5233	0.7623	-6.47	9.96
124	Shell-Thick	SLU-STATICA	-4.2598	1.5870	-6.40	9.96
124	Shell-Thick	SLU-STATICA	-3.3000	2.0571	-6.40	9.83
124	Shell-Thick	SLU-STATICA	-3.5529	1.1603	-6.47	9.83
124	Shell-Thick	SLU-SISMICA	-6.8113	2.4764	-7.93	19.47
124	Shell-Thick	SLU-SISMICA	-6.3057	4.0820	-7.78	19.47
124	Shell-Thick	SLU-SISMICA	-5.1385	4.6722	-7.78	19.20
124	Shell-Thick	SLU-SISMICA	-5.6217	2.9138	-7.93	19.20
124	Shell-Thick	SLE-RARA	-3.3134	0.4922	-4.83	7.07
124	Shell-Thick	SLE-RARA	-3.1259	1.0782	-4.78	7.07
124	Shell-Thick	SLE-RARA	-2.4089	1.4285	-4.78	6.98
124	Shell-Thick	SLE-RARA	-2.5891	0.7918	-4.83	6.98
124	Shell-Thick	SLE-FREQ.	-3.0437	0.3392	-4.59	6.11
124	Shell-Thick	SLE-FREQ.	-2.8807	0.8466	-4.55	6.11
124	Shell-Thick	SLE-FREQ.	-2.1984	1.1784	-4.55	6.04
124	Shell-Thick	SLE-FREQ.	-2.3552	0.6282	-4.59	6.04
124	Shell-Thick	SLE-QP	-2.2345	-0.1198	-3.87	3.25
124	Shell-Thick	SLE-QP	-2.1450	0.1517	-3.85	3.25
124	Shell-Thick	SLE-QP	-1.5670	0.4280	-3.85	3.22
124	Shell-Thick	SLE-QP	-1.6536	0.1373	-3.87	3.22
125	Shell-Thick	SLU-STATICA	-4.4831	1.0056	-7.16	9.85
125	Shell-Thick	SLU-STATICA	-3.9524	1.8953	-7.12	9.85
125	Shell-Thick	SLU-STATICA	-2.8764	2.4687	-7.12	9.79
125	Shell-Thick	SLU-STATICA	-3.4174	1.6497	-7.16	9.79
125	Shell-Thick	SLU-SISMICA	-6.7753	2.7578	-8.93	19.26
125	Shell-Thick	SLU-SISMICA	-5.8181	4.4615	-8.79	19.26
125	Shell-Thick	SLU-SISMICA	-4.4830	5.2150	-8.79	19.02
125	Shell-Thick	SLU-SISMICA	-5.4516	3.5889	-8.93	19.02
125	Shell-Thick	SLE-RARA	-3.2828	0.6747	-5.33	7.00
125	Shell-Thick	SLE-RARA	-2.9020	1.3083	-5.31	7.00
125	Shell-Thick	SLE-RARA	-2.0995	1.7338	-5.31	6.96
125	Shell-Thick	SLE-RARA	-2.4881	1.1534	-5.33	6.96
125	Shell-Thick	SLE-FREQ.	-3.0135	0.5140	-5.06	6.05
125	Shell-Thick	SLE-FREQ.	-2.6771	1.0652	-5.04	6.05
125	Shell-Thick	SLE-FREQ.	-1.9157	1.4654	-5.04	6.03
125	Shell-Thick	SLE-FREQ.	-2.2596	0.9656	-5.06	6.03
125	Shell-Thick	SLE-QP	-2.2056	0.0321	-4.23	3.22
125	Shell-Thick	SLE-QP	-2.0025	0.3357	-4.24	3.22
125	Shell-Thick	SLE-QP	-1.3643	0.6601	-4.24	3.24
125	Shell-Thick	SLE-QP	-1.5741	0.4022	-4.23	3.24
126	Shell-Thick	SLU-STATICA	-4.1122	1.4861	-7.98	9.77
126	Shell-Thick	SLU-STATICA	-3.9394	2.2808	-7.96	9.77

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126	Shell-Thick	SLU-STATICA	-2.7514	2.8775	-7.96	9.73
126	Shell-Thick	SLU-STATICA	-2.9085	1.9761	-7.98	9.73
126	Shell-Thick	SLU-SISMICA	-6.2035	3.4223	-10.08	19.01
126	Shell-Thick	SLU-SISMICA	-5.8399	4.9599	-9.93	19.01
126	Shell-Thick	SLU-SISMICA	-4.3540	5.7281	-9.93	18.74
126	Shell-Thick	SLU-SISMICA	-4.6869	3.9817	-10.08	18.74
126	Shell-Thick	SLE-RARA	-3.0117	1.0296	-5.94	6.94
126	Shell-Thick	SLE-RARA	-2.8904	1.5948	-5.93	6.94
126	Shell-Thick	SLE-RARA	-2.0050	2.0384	-5.93	6.92
126	Shell-Thick	SLE-RARA	-2.1153	1.3974	-5.94	6.92
126	Shell-Thick	SLE-FREQ.	-2.7656	0.8451	-5.63	6.01
126	Shell-Thick	SLE-FREQ.	-2.6629	1.3353	-5.62	6.01
126	Shell-Thick	SLE-FREQ.	-1.8239	1.7539	-5.62	6.01
126	Shell-Thick	SLE-FREQ.	-1.9170	1.1981	-5.63	6.01
126	Shell-Thick	SLE-QP	-2.0272	0.2915	-4.67	3.22
126	Shell-Thick	SLE-QP	-1.9806	0.5568	-4.70	3.22
126	Shell-Thick	SLE-QP	-1.2805	0.9003	-4.70	3.28
126	Shell-Thick	SLE-QP	-1.3221	0.6003	-4.67	3.28
127	Shell-Thick	SLU-STATICA	-7.8909	-0.0910	-3.23	14.37
127	Shell-Thick	SLU-STATICA	-6.9026	1.1270	-3.09	14.37
127	Shell-Thick	SLU-STATICA	-6.5680	1.3438	-3.09	14.19
127	Shell-Thick	SLU-STATICA	-7.5338	0.0803	-3.23	14.19
127	Shell-Thick	SLU-SISMICA	-11.5306	2.6338	-1.79	25.62
127	Shell-Thick	SLU-SISMICA	-9.9774	4.8022	-1.59	25.62
127	Shell-Thick	SLU-SISMICA	-9.8157	4.9631	-1.59	25.36
127	Shell-Thick	SLU-SISMICA	-11.3227	2.7012	-1.79	25.36
127	Shell-Thick	SLE-RARA	-5.7979	-0.2047	-2.52	10.33
127	Shell-Thick	SLE-RARA	-5.0771	0.6709	-2.42	10.33
127	Shell-Thick	SLE-RARA	-4.8150	0.8380	-2.42	10.20
127	Shell-Thick	SLE-RARA	-5.5199	-0.0697	-2.52	10.20
127	Shell-Thick	SLE-FREQ.	-5.3558	-0.4236	-2.57	9.15
127	Shell-Thick	SLE-FREQ.	-4.6992	0.3523	-2.48	9.15
127	Shell-Thick	SLE-FREQ.	-4.4294	0.5199	-2.48	9.03
127	Shell-Thick	SLE-FREQ.	-5.0724	-0.2834	-2.57	9.03
127	Shell-Thick	SLE-QP	-4.0296	-1.0802	-2.74	5.61
127	Shell-Thick	SLE-QP	-3.5656	-0.6035	-2.67	5.61
127	Shell-Thick	SLE-QP	-3.2725	-0.4345	-2.67	5.52
127	Shell-Thick	SLE-QP	-3.7300	-0.9244	-2.74	5.52
128	Shell-Thick	SLU-STATICA	-7.3361	0.0823	-3.33	14.17
128	Shell-Thick	SLU-STATICA	-6.7436	1.3463	-3.21	14.17
128	Shell-Thick	SLU-STATICA	-6.3659	1.1946	-3.21	14.00
128	Shell-Thick	SLU-STATICA	-6.9981	0.0111	-3.33	14.00
128	Shell-Thick	SLU-SISMICA	-10.8083	2.7620	-2.16	25.34
128	Shell-Thick	SLU-SISMICA	-9.8284	5.0027	-1.98	25.34
128	Shell-Thick	SLU-SISMICA	-9.5776	4.6249	-1.98	25.11
128	Shell-Thick	SLU-SISMICA	-10.6057	2.4824	-2.16	25.11
128	Shell-Thick	SLE-RARA	-5.3859	-0.0711	-2.59	10.18
128	Shell-Thick	SLE-RARA	-4.9561	0.8380	-2.49	10.18
128	Shell-Thick	SLE-RARA	-4.6636	0.7343	-2.49	10.06
128	Shell-Thick	SLE-RARA	-5.1230	-0.1147	-2.59	10.06
128	Shell-Thick	SLE-FREQ.	-4.9677	-0.2896	-2.62	9.01
128	Shell-Thick	SLE-FREQ.	-4.5804	0.5168	-2.53	9.01
128	Shell-Thick	SLE-FREQ.	-4.2847	0.4342	-2.53	8.90
128	Shell-Thick	SLE-FREQ.	-4.7002	-0.3150	-2.62	8.90
128	Shell-Thick	SLE-QP	-3.7133	-0.9450	-2.72	5.50
128	Shell-Thick	SLE-QP	-3.4533	-0.4466	-2.65	5.50
128	Shell-Thick	SLE-QP	-3.1479	-0.4658	-2.65	5.41
128	Shell-Thick	SLE-QP	-3.4318	-0.9158	-2.72	5.41
129	Shell-Thick	SLU-STATICA	-7.0787	0.0095	-3.52	14.01
129	Shell-Thick	SLU-STATICA	-6.2691	1.1993	-3.36	14.01
129	Shell-Thick	SLU-STATICA	-5.7556	1.3754	-3.36	13.75
129	Shell-Thick	SLU-STATICA	-6.5600	0.1502	-3.52	13.75
129	Shell-Thick	SLU-SISMICA	-10.4444	2.5493	-2.65	25.13
129	Shell-Thick	SLU-SISMICA	-9.1556	4.6747	-2.45	25.13
129	Shell-Thick	SLU-SISMICA	-8.7802	4.7506	-2.45	24.78
129	Shell-Thick	SLU-SISMICA	-10.0555	2.5340	-2.65	24.78
129	Shell-Thick	SLE-RARA	-5.1961	-0.1193	-2.71	10.06
129	Shell-Thick	SLE-RARA	-4.6065	0.7356	-2.60	10.06
129	Shell-Thick	SLE-RARA	-4.2105	0.8740	-2.60	9.87

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129	Shell-Thick	SLE-RARA	-4.7966	-0.0049	-2.71	9.87
129	Shell-Thick	SLE-FREQ.	-4.7914	-0.3251	-2.71	8.90
129	Shell-Thick	SLE-FREQ.	-4.2557	0.4319	-2.61	8.90
129	Shell-Thick	SLE-FREQ.	-3.8582	0.5751	-2.61	8.72
129	Shell-Thick	SLE-FREQ.	-4.3911	-0.2007	-2.71	8.72
129	Shell-Thick	SLE-QP	-3.5773	-0.9424	-2.72	5.41
129	Shell-Thick	SLE-QP	-3.2033	-0.4794	-2.64	5.41
129	Shell-Thick	SLE-QP	-2.8010	-0.3217	-2.64	5.27
129	Shell-Thick	SLE-QP	-3.1745	-0.7881	-2.72	5.27
130	Shell-Thick	SLU-STATICA	-6.5161	0.1410	-3.66	13.74
130	Shell-Thick	SLU-STATICA	-5.8861	1.3673	-3.52	13.74
130	Shell-Thick	SLU-STATICA	-5.3411	1.3331	-3.52	13.49
130	Shell-Thick	SLU-STATICA	-5.9833	0.1908	-3.66	13.49
130	Shell-Thick	SLU-SISMICA	-9.6826	2.5997	-3.08	24.78
130	Shell-Thick	SLU-SISMICA	-8.6413	4.7872	-2.90	24.78
130	Shell-Thick	SLU-SISMICA	-8.1859	4.5687	-2.90	24.46
130	Shell-Thick	SLU-SISMICA	-9.2405	2.4729	-3.08	24.46
130	Shell-Thick	SLE-RARA	-4.7797	-0.0157	-2.80	9.86
130	Shell-Thick	SLE-RARA	-4.3229	0.8657	-2.70	9.86
130	Shell-Thick	SLE-RARA	-3.9054	0.8489	-2.70	9.68
130	Shell-Thick	SLE-RARA	-4.3715	0.0309	-2.80	9.68
130	Shell-Thick	SLE-FREQ.	-4.4016	-0.2173	-2.78	8.71
130	Shell-Thick	SLE-FREQ.	-3.9899	0.5632	-2.68	8.71
130	Shell-Thick	SLE-FREQ.	-3.5753	0.5621	-2.68	8.54
130	Shell-Thick	SLE-FREQ.	-3.9960	-0.1574	-2.78	8.54
130	Shell-Thick	SLE-QP	-3.2674	-0.8224	-2.72	5.26
130	Shell-Thick	SLE-QP	-2.9909	-0.3440	-2.64	5.26
130	Shell-Thick	SLE-QP	-2.5851	-0.2984	-2.64	5.11
130	Shell-Thick	SLE-QP	-2.8696	-0.7224	-2.72	5.11
131	Shell-Thick	SLU-STATICA	-6.1024	0.1687	-3.86	13.49
131	Shell-Thick	SLU-STATICA	-5.4218	1.3152	-3.71	13.49
131	Shell-Thick	SLU-STATICA	-4.8560	1.5043	-3.71	13.23
131	Shell-Thick	SLU-STATICA	-5.5319	0.3259	-3.86	13.23
131	Shell-Thick	SLU-SISMICA	-9.0983	2.5187	-3.55	24.47
131	Shell-Thick	SLU-SISMICA	-7.9924	4.5901	-3.37	24.47
131	Shell-Thick	SLU-SISMICA	-7.4797	4.7231	-3.37	24.15
131	Shell-Thick	SLU-SISMICA	-8.5727	2.5641	-3.55	24.15
131	Shell-Thick	SLE-RARA	-4.4748	0.0107	-2.94	9.68
131	Shell-Thick	SLE-RARA	-3.9802	0.8335	-2.83	9.68
131	Shell-Thick	SLE-RARA	-3.5489	0.9795	-2.83	9.48
131	Shell-Thick	SLE-RARA	-4.0402	0.1355	-2.94	9.48
131	Shell-Thick	SLE-FREQ.	-4.1182	-0.1827	-2.89	8.53
131	Shell-Thick	SLE-FREQ.	-3.6708	0.5438	-2.79	8.53
131	Shell-Thick	SLE-FREQ.	-3.2457	0.6908	-2.79	8.35
131	Shell-Thick	SLE-FREQ.	-3.6907	-0.0518	-2.89	8.35
131	Shell-Thick	SLE-QP	-3.0486	-0.7629	-2.75	5.11
131	Shell-Thick	SLE-QP	-2.7427	-0.3253	-2.66	5.11
131	Shell-Thick	SLE-QP	-2.3364	-0.1753	-2.66	4.96
131	Shell-Thick	SLE-QP	-2.6422	-0.6136	-2.75	4.96
132	Shell-Thick	SLU-STATICA	-5.6788	0.2873	-4.05	13.23
132	Shell-Thick	SLU-STATICA	-5.0851	1.4677	-3.91	13.23
132	Shell-Thick	SLU-STATICA	-4.4818	1.5368	-3.91	12.99
132	Shell-Thick	SLU-STATICA	-5.0871	0.4368	-4.05	12.99
132	Shell-Thick	SLU-SISMICA	-8.4966	2.5839	-3.98	24.16
132	Shell-Thick	SLU-SISMICA	-7.4943	4.7156	-3.81	24.16
132	Shell-Thick	SLU-SISMICA	-6.9032	4.6840	-3.81	23.86
132	Shell-Thick	SLU-SISMICA	-7.9181	2.6384	-3.98	23.86
132	Shell-Thick	SLE-RARA	-4.1626	0.1033	-3.07	9.48
132	Shell-Thick	SLE-RARA	-3.7332	0.9503	-2.97	9.48
132	Shell-Thick	SLE-RARA	-3.2754	1.0077	-2.97	9.30
132	Shell-Thick	SLE-RARA	-3.7137	0.2213	-3.07	9.30
132	Shell-Thick	SLE-FREQ.	-3.8284	-0.0880	-3.00	8.35
132	Shell-Thick	SLE-FREQ.	-3.4431	0.6599	-2.90	8.35
132	Shell-Thick	SLE-FREQ.	-2.9956	0.7242	-2.90	8.18
132	Shell-Thick	SLE-FREQ.	-3.3895	0.0349	-3.00	8.18
132	Shell-Thick	SLE-QP	-2.8258	-0.6618	-2.79	4.95
132	Shell-Thick	SLE-QP	-2.5730	-0.2111	-2.71	4.95
132	Shell-Thick	SLE-QP	-2.1564	-0.1263	-2.71	4.81
132	Shell-Thick	SLE-QP	-2.4168	-0.5243	-2.79	4.81

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133	Shell-Thick	SLU-STATICA	-5.3349	0.3820	-4.30	12.98
133	Shell-Thick	SLU-STATICA	-4.7679	1.4847	-4.16	12.98
133	Shell-Thick	SLU-STATICA	-4.1352	1.7226	-4.16	12.73
133	Shell-Thick	SLU-STATICA	-4.6975	0.5884	-4.30	12.73
133	Shell-Thick	SLU-SISMICA	-7.9768	2.6337	-4.48	23.87
133	Shell-Thick	SLU-SISMICA	-7.0297	4.6517	-4.30	23.87
133	Shell-Thick	SLU-SISMICA	-6.3781	4.8830	-4.30	23.56
133	Shell-Thick	SLU-SISMICA	-7.3121	2.7756	-4.48	23.56
133	Shell-Thick	SLE-RARA	-3.9108	0.1773	-3.25	9.29
133	Shell-Thick	SLE-RARA	-3.5001	0.9672	-3.15	9.29
133	Shell-Thick	SLE-RARA	-3.0216	1.1478	-3.15	9.11
133	Shell-Thick	SLE-RARA	-3.4292	0.3369	-3.25	9.11
133	Shell-Thick	SLE-FREQ.	-3.5973	-0.0121	-3.16	8.17
133	Shell-Thick	SLE-FREQ.	-3.2279	0.6831	-3.06	8.17
133	Shell-Thick	SLE-FREQ.	-2.7628	0.8598	-3.06	7.99
133	Shell-Thick	SLE-FREQ.	-3.1298	0.1488	-3.16	7.99
133	Shell-Thick	SLE-QP	-2.6567	-0.5804	-2.88	4.80
133	Shell-Thick	SLE-QP	-2.4114	-0.1692	-2.79	4.80
133	Shell-Thick	SLE-QP	-1.9863	-0.0043	-2.79	4.65
133	Shell-Thick	SLE-QP	-2.2316	-0.4154	-2.88	4.65
134	Shell-Thick	SLU-STATICA	-5.0668	0.5139	-4.58	12.73
134	Shell-Thick	SLU-STATICA	-4.4951	1.6513	-4.45	12.73
134	Shell-Thick	SLU-STATICA	-3.8116	1.8292	-4.45	12.50
134	Shell-Thick	SLU-STATICA	-4.3950	0.7720	-4.58	12.50
134	Shell-Thick	SLU-SISMICA	-7.5830	2.7401	-4.98	23.57
134	Shell-Thick	SLU-SISMICA	-6.5973	4.8204	-4.81	23.57
134	Shell-Thick	SLU-SISMICA	-5.8562	4.9716	-4.81	23.27
134	Shell-Thick	SLU-SISMICA	-6.8544	2.9773	-4.98	23.27
134	Shell-Thick	SLE-RARA	-3.7139	0.2785	-3.45	9.11
134	Shell-Thick	SLE-RARA	-3.3014	1.0933	-3.35	9.11
134	Shell-Thick	SLE-RARA	-2.7863	1.2295	-3.35	8.93
134	Shell-Thick	SLE-RARA	-3.2077	0.4751	-3.45	8.93
134	Shell-Thick	SLE-FREQ.	-3.4156	0.0886	-3.34	7.99
134	Shell-Thick	SLE-FREQ.	-3.0472	0.8059	-3.24	7.99
134	Shell-Thick	SLE-FREQ.	-2.5496	0.9409	-3.24	7.83
134	Shell-Thick	SLE-FREQ.	-2.9265	0.2822	-3.34	7.83
134	Shell-Thick	SLE-QP	-2.5205	-0.4808	-2.98	4.65
134	Shell-Thick	SLE-QP	-2.2848	-0.0563	-2.90	4.65
134	Shell-Thick	SLE-QP	-1.8395	0.0752	-2.90	4.51
134	Shell-Thick	SLE-QP	-2.0829	-0.2967	-2.98	4.51
135	Shell-Thick	SLU-STATICA	-4.7814	0.6830	-4.93	12.49
135	Shell-Thick	SLU-STATICA	-4.3133	1.7406	-4.79	12.49
135	Shell-Thick	SLU-STATICA	-3.5863	2.0377	-4.79	12.25
135	Shell-Thick	SLU-STATICA	-4.0491	0.9437	-4.93	12.25
135	Shell-Thick	SLU-SISMICA	-7.1281	2.9205	-5.57	23.27
135	Shell-Thick	SLU-SISMICA	-6.3195	4.8811	-5.38	23.27
135	Shell-Thick	SLU-SISMICA	-5.5056	5.2118	-5.38	22.95
135	Shell-Thick	SLU-SISMICA	-6.2996	3.1521	-5.57	22.95
135	Shell-Thick	SLE-RARA	-3.5062	0.4060	-3.71	8.92
135	Shell-Thick	SLE-RARA	-3.1684	1.1625	-3.60	8.92
135	Shell-Thick	SLE-RARA	-2.6219	1.3859	-3.60	8.75
135	Shell-Thick	SLE-RARA	-2.9560	0.6050	-3.71	8.75
135	Shell-Thick	SLE-FREQ.	-3.2269	0.2121	-3.56	7.82
135	Shell-Thick	SLE-FREQ.	-2.9254	0.8757	-3.47	7.82
135	Shell-Thick	SLE-FREQ.	-2.3995	1.0909	-3.47	7.65
135	Shell-Thick	SLE-FREQ.	-2.6982	0.4086	-3.56	7.65
135	Shell-Thick	SLE-QP	-2.3890	-0.3696	-3.13	4.50
135	Shell-Thick	SLE-QP	-2.1964	0.0154	-3.06	4.50
135	Shell-Thick	SLE-QP	-1.7324	0.2058	-3.06	4.37
135	Shell-Thick	SLE-QP	-1.9247	-0.1806	-3.13	4.37
136	Shell-Thick	SLU-STATICA	-4.6385	0.8339	-5.34	12.25
136	Shell-Thick	SLU-STATICA	-4.0781	1.9312	-5.21	12.25
136	Shell-Thick	SLU-STATICA	-3.2806	2.2317	-5.21	12.03
136	Shell-Thick	SLU-STATICA	-3.8529	1.2163	-5.34	12.03
136	Shell-Thick	SLU-SISMICA	-6.9133	3.0637	-6.21	22.97
136	Shell-Thick	SLU-SISMICA	-5.9292	5.0927	-6.03	22.97
136	Shell-Thick	SLU-SISMICA	-5.0046	5.4349	-6.03	22.66
136	Shell-Thick	SLU-SISMICA	-6.0015	3.4946	-6.21	22.66
136	Shell-Thick	SLE-RARA	-3.4014	0.5208	-4.00	8.75

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136	Shell-Thick	SLE-RARA	-2.9979	1.3059	-3.91	8.75
136	Shell-Thick	SLE-RARA	-2.3999	1.5314	-3.91	8.59
136	Shell-Thick	SLE-RARA	-2.8124	0.8081	-4.00	8.59
136	Shell-Thick	SLE-FREQ.	-3.1306	0.3247	-3.83	7.65
136	Shell-Thick	SLE-FREQ.	-2.7719	1.0139	-3.75	7.65
136	Shell-Thick	SLE-FREQ.	-2.1991	1.2304	-3.75	7.50
136	Shell-Thick	SLE-FREQ.	-2.5665	0.6009	-3.83	7.50
136	Shell-Thick	SLE-QP	-2.3182	-0.2636	-3.32	4.36
136	Shell-Thick	SLE-QP	-2.0938	0.1378	-3.25	4.36
136	Shell-Thick	SLE-QP	-1.5965	0.3274	-3.25	4.25
136	Shell-Thick	SLE-QP	-1.8287	-0.0205	-3.32	4.25
137	Shell-Thick	SLU-STATICA	-4.3691	1.0948	-5.82	12.02
137	Shell-Thick	SLU-STATICA	-3.9943	2.1071	-5.70	12.02
137	Shell-Thick	SLU-STATICA	-3.1334	2.4788	-5.70	11.81
137	Shell-Thick	SLU-STATICA	-3.5010	1.4180	-5.82	11.81
137	Shell-Thick	SLU-SISMICA	-6.4733	3.3902	-6.94	22.65
137	Shell-Thick	SLU-SISMICA	-5.7986	5.2862	-6.75	22.65
137	Shell-Thick	SLU-SISMICA	-4.7806	5.7256	-6.75	22.32
137	Shell-Thick	SLU-SISMICA	-5.4377	3.7093	-6.94	22.32
137	Shell-Thick	SLE-RARA	-3.2058	0.7152	-4.36	8.58
137	Shell-Thick	SLE-RARA	-2.9368	1.4383	-4.27	8.58
137	Shell-Thick	SLE-RARA	-2.2922	1.7165	-4.27	8.43
137	Shell-Thick	SLE-RARA	-2.5564	0.9603	-4.36	8.43
137	Shell-Thick	SLE-FREQ.	-2.9538	0.5089	-4.16	7.49
137	Shell-Thick	SLE-FREQ.	-2.7161	1.1416	-4.08	7.49
137	Shell-Thick	SLE-FREQ.	-2.1003	1.4074	-4.08	7.35
137	Shell-Thick	SLE-FREQ.	-2.3342	0.7483	-4.16	7.35
137	Shell-Thick	SLE-QP	-2.1979	-0.1099	-3.56	4.24
137	Shell-Thick	SLE-QP	-2.0540	0.2514	-3.50	4.24
137	Shell-Thick	SLE-QP	-1.5247	0.4799	-3.50	4.14
137	Shell-Thick	SLE-QP	-1.6676	0.1123	-3.56	4.14
138	Shell-Thick	SLU-STATICA	-4.3097	1.2745	-6.41	11.82
138	Shell-Thick	SLU-STATICA	-3.7530	2.3366	-6.31	11.82
138	Shell-Thick	SLU-STATICA	-2.7927	2.7919	-6.31	11.64
138	Shell-Thick	SLU-STATICA	-3.3615	1.8125	-6.41	11.64
138	Shell-Thick	SLU-SISMICA	-6.3915	3.5722	-7.80	22.36
138	Shell-Thick	SLU-SISMICA	-5.4003	5.5480	-7.61	22.36
138	Shell-Thick	SLU-SISMICA	-4.2380	6.1201	-7.61	22.03
138	Shell-Thick	SLU-SISMICA	-5.2423	4.2343	-7.80	22.03
138	Shell-Thick	SLE-RARA	-3.1619	0.8513	-4.79	8.43
138	Shell-Thick	SLE-RARA	-2.7617	1.6105	-4.72	8.43
138	Shell-Thick	SLE-RARA	-2.0441	1.9497	-4.72	8.31
138	Shell-Thick	SLE-RARA	-2.4534	1.2527	-4.79	8.31
138	Shell-Thick	SLE-FREQ.	-2.9129	0.6415	-4.56	7.36
138	Shell-Thick	SLE-FREQ.	-2.5582	1.3069	-4.49	7.36
138	Shell-Thick	SLE-FREQ.	-1.8749	1.6281	-4.49	7.25
138	Shell-Thick	SLE-FREQ.	-2.2383	1.0228	-4.56	7.25
138	Shell-Thick	SLE-QP	-2.1657	0.0120	-3.86	4.14
138	Shell-Thick	SLE-QP	-1.9478	0.3960	-3.82	4.14
138	Shell-Thick	SLE-QP	-1.3674	0.6633	-3.82	4.07
138	Shell-Thick	SLE-QP	-1.5932	0.3331	-3.86	4.07
139	Shell-Thick	SLU-STATICA	-4.0110	1.6595	-7.10	11.63
139	Shell-Thick	SLU-STATICA	-3.7263	2.6282	-7.01	11.63
139	Shell-Thick	SLU-STATICA	-2.6727	3.0993	-7.01	11.46
139	Shell-Thick	SLU-STATICA	-2.9469	2.0590	-7.10	11.46
139	Shell-Thick	SLU-SISMICA	-5.9153	4.0854	-8.77	22.03
139	Shell-Thick	SLU-SISMICA	-5.3752	5.9069	-8.56	22.03
139	Shell-Thick	SLU-SISMICA	-4.0870	6.4811	-8.56	21.67
139	Shell-Thick	SLU-SISMICA	-4.6038	4.5012	-8.77	21.67
139	Shell-Thick	SLE-RARA	-2.9444	1.1366	-5.30	8.29
139	Shell-Thick	SLE-RARA	-2.7414	1.8282	-5.23	8.29
139	Shell-Thick	SLE-RARA	-1.9547	2.1800	-5.23	8.18
139	Shell-Thick	SLE-RARA	-2.1504	1.4385	-5.30	8.18
139	Shell-Thick	SLE-FREQ.	-2.7153	0.9092	-5.03	7.23
139	Shell-Thick	SLE-FREQ.	-2.5383	1.5136	-4.98	7.23
139	Shell-Thick	SLE-FREQ.	-1.7903	1.8483	-4.98	7.14
139	Shell-Thick	SLE-FREQ.	-1.9612	1.2024	-5.03	7.14
139	Shell-Thick	SLE-QP	-2.0281	0.2270	-4.23	4.06
139	Shell-Thick	SLE-QP	-1.9290	0.5701	-4.21	4.06

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139	Shell-Thick	SLE-QP	-1.2970	0.8533	-4.21	4.02
139	Shell-Thick	SLE-QP	-1.3937	0.4938	-4.23	4.02
140	Shell-Thick	SLU-STATICA	-4.0024	1.8812	-7.98	11.49
140	Shell-Thick	SLU-STATICA	-3.4325	2.9141	-7.90	11.49
140	Shell-Thick	SLU-STATICA	-2.2358	3.5874	-7.90	11.35
140	Shell-Thick	SLU-STATICA	-2.8172	2.6334	-7.98	11.35
140	Shell-Thick	SLU-SISMICA	-5.9407	4.3155	-9.96	21.73
140	Shell-Thick	SLU-SISMICA	-4.9222	6.2323	-9.75	21.73
140	Shell-Thick	SLU-SISMICA	-3.4379	7.1258	-9.75	21.36
140	Shell-Thick	SLU-SISMICA	-4.4688	5.2943	-9.96	21.36
140	Shell-Thick	SLE-RARA	-2.9362	1.3041	-5.94	8.19
140	Shell-Thick	SLE-RARA	-2.5267	2.0428	-5.89	8.19
140	Shell-Thick	SLE-RARA	-1.6343	2.5420	-5.89	8.10
140	Shell-Thick	SLE-RARA	-2.0524	1.8629	-5.94	8.10
140	Shell-Thick	SLE-FREQ.	-2.7045	1.0719	-5.64	7.15
140	Shell-Thick	SLE-FREQ.	-2.3420	1.7197	-5.60	7.15
140	Shell-Thick	SLE-FREQ.	-1.4952	2.1885	-5.60	7.08
140	Shell-Thick	SLE-FREQ.	-1.8661	1.5982	-5.64	7.08
140	Shell-Thick	SLE-QP	-2.0095	0.3753	-4.71	4.02
140	Shell-Thick	SLE-QP	-1.7878	0.7505	-4.70	4.02
140	Shell-Thick	SLE-QP	-1.0780	1.1281	-4.70	4.02
140	Shell-Thick	SLE-QP	-1.3071	0.8044	-4.71	4.02
141	Shell-Thick	SLU-STATICA	-6.9869	0.7736	-3.08	16.57
141	Shell-Thick	SLU-STATICA	-6.4291	2.2521	-2.96	16.57
141	Shell-Thick	SLU-STATICA	-6.0761	2.1107	-2.96	16.42
141	Shell-Thick	SLU-STATICA	-6.6785	0.7228	-3.08	16.42
141	Shell-Thick	SLU-SISMICA	-10.1151	4.2579	-1.56	28.68
141	Shell-Thick	SLU-SISMICA	-9.1895	6.7970	-1.41	28.68
141	Shell-Thick	SLU-SISMICA	-8.9995	6.4301	-1.41	28.49
141	Shell-Thick	SLU-SISMICA	-9.9793	4.0011	-1.56	28.49
141	Shell-Thick	SLE-RARA	-5.1384	0.4126	-2.41	11.95
141	Shell-Thick	SLE-RARA	-4.7340	1.4801	-2.32	11.95
141	Shell-Thick	SLE-RARA	-4.4584	1.3842	-2.32	11.84
141	Shell-Thick	SLE-RARA	-4.8961	0.3843	-2.41	11.84
141	Shell-Thick	SLE-FREQ.	-4.7546	0.1161	-2.47	10.66
141	Shell-Thick	SLE-FREQ.	-4.3905	1.0701	-2.39	10.66
141	Shell-Thick	SLE-FREQ.	-4.1082	0.9951	-2.39	10.56
141	Shell-Thick	SLE-FREQ.	-4.5041	0.1054	-2.47	10.56
141	Shell-Thick	SLE-QP	-3.6033	-0.7735	-2.67	6.79
141	Shell-Thick	SLE-QP	-3.3597	-0.1599	-2.60	6.79
141	Shell-Thick	SLE-QP	-3.0577	-0.1722	-2.60	6.71
141	Shell-Thick	SLE-QP	-3.3282	-0.7313	-2.67	6.71
142	Shell-Thick	SLU-STATICA	-6.8298	0.7261	-3.24	16.44
142	Shell-Thick	SLU-STATICA	-5.8386	2.1246	-3.10	16.44
142	Shell-Thick	SLU-STATICA	-5.5032	2.2973	-3.10	16.27
142	Shell-Thick	SLU-STATICA	-6.4719	0.8535	-3.24	16.27
142	Shell-Thick	SLU-SISMICA	-9.9689	4.0652	-2.02	28.54
142	Shell-Thick	SLU-SISMICA	-8.4090	6.4862	-1.84	28.54
142	Shell-Thick	SLU-SISMICA	-8.2216	6.5986	-1.84	28.31
142	Shell-Thick	SLU-SISMICA	-9.7335	4.0804	-2.02	28.31
142	Shell-Thick	SLE-RARA	-5.0188	0.3839	-2.51	11.86
142	Shell-Thick	SLE-RARA	-4.2961	1.3926	-2.41	11.86
142	Shell-Thick	SLE-RARA	-4.0345	1.5265	-2.41	11.73
142	Shell-Thick	SLE-RARA	-4.7415	0.4860	-2.51	11.73
142	Shell-Thick	SLE-FREQ.	-4.6371	0.1000	-2.55	10.57
142	Shell-Thick	SLE-FREQ.	-3.9789	0.9998	-2.45	10.57
142	Shell-Thick	SLE-FREQ.	-3.7116	1.1354	-2.45	10.45
142	Shell-Thick	SLE-FREQ.	-4.3566	0.2088	-2.55	10.45
142	Shell-Thick	SLE-QP	-3.4919	-0.7516	-2.67	6.71
142	Shell-Thick	SLE-QP	-3.0274	-0.1785	-2.58	6.71
142	Shell-Thick	SLE-QP	-2.7430	-0.0380	-2.58	6.61
142	Shell-Thick	SLE-QP	-3.2017	-0.6227	-2.67	6.61
143	Shell-Thick	SLU-STATICA	-6.3384	0.8485	-3.37	16.25
143	Shell-Thick	SLU-STATICA	-5.6633	2.2970	-3.23	16.25
143	Shell-Thick	SLU-STATICA	-5.1622	2.2611	-3.23	16.00
143	Shell-Thick	SLU-STATICA	-5.8506	0.9043	-3.37	16.00
143	Shell-Thick	SLU-SISMICA	-9.2681	4.1433	-2.44	28.29
143	Shell-Thick	SLU-SISMICA	-8.1639	6.6403	-2.27	28.29
143	Shell-Thick	SLU-SISMICA	-7.8037	6.4075	-2.27	27.99

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143	Shell-Thick	SLU-SISMICA	-8.9223	4.0088	-2.44	27.99
143	Shell-Thick	SLE-RARA	-4.6569	0.4788	-2.60	11.71
143	Shell-Thick	SLE-RARA	-4.1667	1.5241	-2.49	11.71
143	Shell-Thick	SLE-RARA	-3.7799	1.5067	-2.49	11.53
143	Shell-Thick	SLE-RARA	-4.2802	0.5306	-2.60	11.53
143	Shell-Thick	SLE-FREQ.	-4.3013	0.1963	-2.61	10.43
143	Shell-Thick	SLE-FREQ.	-3.8585	1.1296	-2.51	10.43
143	Shell-Thick	SLE-FREQ.	-3.4697	1.1288	-2.51	10.26
143	Shell-Thick	SLE-FREQ.	-3.9222	0.2624	-2.61	10.26
143	Shell-Thick	SLE-QP	-3.2346	-0.6515	-2.65	6.60
143	Shell-Thick	SLE-QP	-2.9338	-0.0540	-2.56	6.60
143	Shell-Thick	SLE-QP	-2.5388	-0.0049	-2.56	6.45
143	Shell-Thick	SLE-QP	-2.8483	-0.5423	-2.65	6.45
144	Shell-Thick	SLU-STATICA	-5.9539	0.8916	-3.55	16.01
144	Shell-Thick	SLU-STATICA	-5.1493	2.2557	-3.40	16.01
144	Shell-Thick	SLU-STATICA	-4.6303	2.4234	-3.40	15.74
144	Shell-Thick	SLU-STATICA	-5.4299	1.0258	-3.55	15.74
144	Shell-Thick	SLU-SISMICA	-8.7522	4.0714	-2.94	28.01
144	Shell-Thick	SLU-SISMICA	-7.4642	6.4468	-2.75	28.01
144	Shell-Thick	SLU-SISMICA	-7.0445	6.5366	-2.75	27.69
144	Shell-Thick	SLU-SISMICA	-8.3185	4.0668	-2.94	27.69
144	Shell-Thick	SLE-RARA	-4.3721	0.5172	-2.72	11.53
144	Shell-Thick	SLE-RARA	-3.7865	1.5004	-2.61	11.53
144	Shell-Thick	SLE-RARA	-3.3883	1.6313	-2.61	11.33
144	Shell-Thick	SLE-RARA	-3.9706	0.6258	-2.72	11.33
144	Shell-Thick	SLE-FREQ.	-4.0343	0.2431	-2.71	10.26
144	Shell-Thick	SLE-FREQ.	-3.5029	1.1190	-2.60	10.26
144	Shell-Thick	SLE-FREQ.	-3.1063	1.2531	-2.60	10.07
144	Shell-Thick	SLE-FREQ.	-3.6353	0.3605	-2.71	10.07
144	Shell-Thick	SLE-QP	-3.0210	-0.5791	-2.66	6.45
144	Shell-Thick	SLE-QP	-2.6521	-0.0253	-2.56	6.45
144	Shell-Thick	SLE-QP	-2.2605	0.1183	-2.56	6.29
144	Shell-Thick	SLE-QP	-2.6294	-0.4355	-2.66	6.29
145	Shell-Thick	SLU-STATICA	-5.4778	0.9995	-3.72	15.73
145	Shell-Thick	SLU-STATICA	-4.8319	2.3998	-3.57	15.73
145	Shell-Thick	SLU-STATICA	-4.2784	2.4487	-3.57	15.47
145	Shell-Thick	SLU-STATICA	-4.9370	1.1350	-3.72	15.47
145	Shell-Thick	SLU-SISMICA	-8.0866	4.1081	-3.37	27.68
145	Shell-Thick	SLU-SISMICA	-7.0123	6.5481	-3.19	27.68
145	Shell-Thick	SLU-SISMICA	-6.5132	6.4789	-3.19	27.38
145	Shell-Thick	SLU-SISMICA	-7.6007	4.1288	-3.37	27.38
145	Shell-Thick	SLE-RARA	-4.0208	0.6025	-2.84	11.32
145	Shell-Thick	SLE-RARA	-3.5527	1.6117	-2.73	11.32
145	Shell-Thick	SLE-RARA	-3.1306	1.6547	-2.73	11.13
145	Shell-Thick	SLE-RARA	-3.6082	0.7109	-2.84	11.13
145	Shell-Thick	SLE-FREQ.	-3.7073	0.3322	-2.80	10.06
145	Shell-Thick	SLE-FREQ.	-3.2859	1.2310	-2.69	10.06
145	Shell-Thick	SLE-FREQ.	-2.8697	1.2827	-2.69	9.88
145	Shell-Thick	SLE-FREQ.	-3.3003	0.4473	-2.80	9.88
145	Shell-Thick	SLE-QP	-2.7667	-0.4787	-2.67	6.27
145	Shell-Thick	SLE-QP	-2.4855	0.0891	-2.58	6.27
145	Shell-Thick	SLE-QP	-2.0872	0.1666	-2.58	6.12
145	Shell-Thick	SLE-QP	-2.3767	-0.3434	-2.67	6.12
146	Shell-Thick	SLU-STATICA	-5.1391	1.0937	-3.94	15.47
146	Shell-Thick	SLU-STATICA	-4.4587	2.4136	-3.78	15.47
146	Shell-Thick	SLU-STATICA	-3.8819	2.6071	-3.78	15.20
146	Shell-Thick	SLU-STATICA	-4.5581	1.2596	-3.94	15.20
146	Shell-Thick	SLU-SISMICA	-7.5863	4.1469	-3.84	27.39
146	Shell-Thick	SLU-SISMICA	-6.4736	6.4716	-3.65	27.39
146	Shell-Thick	SLU-SISMICA	-5.9183	6.6305	-3.65	27.07
146	Shell-Thick	SLU-SISMICA	-7.0181	4.2179	-3.84	27.07
146	Shell-Thick	SLE-RARA	-3.7721	0.6766	-2.99	11.13
146	Shell-Thick	SLE-RARA	-3.2782	1.6267	-2.87	11.13
146	Shell-Thick	SLE-RARA	-2.8400	1.7751	-2.87	10.92
146	Shell-Thick	SLE-RARA	-3.3313	0.8070	-2.99	10.92
146	Shell-Thick	SLE-FREQ.	-3.4780	0.4090	-2.92	9.87
146	Shell-Thick	SLE-FREQ.	-3.0317	1.2531	-2.81	9.87
146	Shell-Thick	SLE-FREQ.	-2.6026	1.4006	-2.81	9.68
146	Shell-Thick	SLE-FREQ.	-3.0470	0.5440	-2.92	9.68



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146	Shell-Thick	SLE-QP	-2.5956	-0.3938	-2.73	6.11
146	Shell-Thick	SLE-QP	-2.2925	0.1322	-2.63	6.11
146	Shell-Thick	SLE-QP	-1.8905	0.2774	-2.63	5.94
146	Shell-Thick	SLE-QP	-2.1941	-0.2451	-2.73	5.94
147	Shell-Thick	SLU-STATICA	-4.8142	1.1997	-4.17	15.19
147	Shell-Thick	SLU-STATICA	-4.1959	2.5529	-4.02	15.19
147	Shell-Thick	SLU-STATICA	-3.5749	2.6896	-4.02	14.92
147	Shell-Thick	SLU-STATICA	-4.2058	1.4232	-4.17	14.92
147	Shell-Thick	SLU-SISMICA	-7.1109	4.2073	-4.30	27.07
147	Shell-Thick	SLU-SISMICA	-6.0632	6.5936	-4.12	27.07
147	Shell-Thick	SLU-SISMICA	-5.4245	6.6810	-4.12	26.75
147	Shell-Thick	SLU-SISMICA	-6.4853	4.3850	-4.30	26.75
147	Shell-Thick	SLE-RARA	-3.5334	0.7593	-3.16	10.92
147	Shell-Thick	SLE-RARA	-3.0864	1.7331	-3.04	10.92
147	Shell-Thick	SLE-RARA	-2.6167	1.8392	-3.04	10.72
147	Shell-Thick	SLE-RARA	-3.0733	0.9309	-3.16	10.72
147	Shell-Thick	SLE-FREQ.	-3.2576	0.4934	-3.07	9.67
147	Shell-Thick	SLE-FREQ.	-2.8568	1.3583	-2.96	9.67
147	Shell-Thick	SLE-FREQ.	-2.4002	1.4658	-2.96	9.48
147	Shell-Thick	SLE-FREQ.	-2.8102	0.6645	-3.07	9.48
147	Shell-Thick	SLE-QP	-2.4299	-0.3043	-2.80	5.93
147	Shell-Thick	SLE-QP	-2.1682	0.2339	-2.71	5.93
147	Shell-Thick	SLE-QP	-1.7507	0.3457	-2.71	5.77
147	Shell-Thick	SLE-QP	-2.0209	-0.1346	-2.80	5.77
148	Shell-Thick	SLU-STATICA	-4.5411	1.3473	-4.47	14.92
148	Shell-Thick	SLU-STATICA	-3.9670	2.6200	-4.31	14.92
148	Shell-Thick	SLU-STATICA	-3.3108	2.8551	-4.31	14.64
148	Shell-Thick	SLU-STATICA	-3.8810	1.5565	-4.47	14.64
148	Shell-Thick	SLU-SISMICA	-6.6787	4.3501	-4.83	26.76
148	Shell-Thick	SLU-SISMICA	-5.7154	6.6190	-4.63	26.76
148	Shell-Thick	SLU-SISMICA	-5.0127	6.8561	-4.63	26.41
148	Shell-Thick	SLU-SISMICA	-5.9632	4.4998	-4.83	26.41
148	Shell-Thick	SLE-RARA	-3.3344	0.8713	-3.37	10.71
148	Shell-Thick	SLE-RARA	-2.9189	1.7861	-3.25	10.71
148	Shell-Thick	SLE-RARA	-2.4239	1.9641	-3.25	10.51
148	Shell-Thick	SLE-RARA	-2.8370	1.0328	-3.37	10.51
148	Shell-Thick	SLE-FREQ.	-3.0766	0.6031	-3.25	9.48
148	Shell-Thick	SLE-FREQ.	-2.7032	1.4134	-3.14	9.48
148	Shell-Thick	SLE-FREQ.	-2.2243	1.5869	-3.14	9.28
148	Shell-Thick	SLE-FREQ.	-2.5960	0.7654	-3.25	9.28
148	Shell-Thick	SLE-QP	-2.3029	-0.2017	-2.92	5.76
148	Shell-Thick	SLE-QP	-2.0563	0.2953	-2.82	5.76
148	Shell-Thick	SLE-QP	-1.6254	0.4552	-2.82	5.60
148	Shell-Thick	SLE-QP	-1.8728	-0.0366	-2.92	5.60
149	Shell-Thick	SLU-STATICA	-4.3548	1.4608	-4.81	14.64
149	Shell-Thick	SLU-STATICA	-3.7533	2.7676	-4.66	14.64
149	Shell-Thick	SLU-STATICA	-3.0365	3.0030	-4.66	14.37
149	Shell-Thick	SLU-STATICA	-3.6511	1.7859	-4.81	14.37
149	Shell-Thick	SLU-SISMICA	-6.3946	4.4347	-5.40	26.43
149	Shell-Thick	SLU-SISMICA	-5.3574	6.7659	-5.20	26.43
149	Shell-Thick	SLU-SISMICA	-4.5559	7.0127	-5.20	26.08
149	Shell-Thick	SLU-SISMICA	-5.6068	4.7763	-5.40	26.08
149	Shell-Thick	SLE-RARA	-3.1982	0.9587	-3.62	10.51
149	Shell-Thick	SLE-RARA	-2.7641	1.8979	-3.50	10.51
149	Shell-Thick	SLE-RARA	-2.2252	2.0757	-3.50	10.31
149	Shell-Thick	SLE-RARA	-2.6691	1.2043	-3.62	10.31
149	Shell-Thick	SLE-FREQ.	-2.9517	0.6907	-3.48	9.28
149	Shell-Thick	SLE-FREQ.	-2.5641	1.5225	-3.37	9.28
149	Shell-Thick	SLE-FREQ.	-2.0454	1.6950	-3.37	9.09
149	Shell-Thick	SLE-FREQ.	-2.4426	0.9288	-3.48	9.09
149	Shell-Thick	SLE-QP	-2.2123	-0.1134	-3.07	5.59
149	Shell-Thick	SLE-QP	-1.9642	0.3963	-2.98	5.59
149	Shell-Thick	SLE-QP	-1.5063	0.5529	-2.98	5.44
149	Shell-Thick	SLE-QP	-1.7630	0.1025	-3.07	5.44
150	Shell-Thick	SLU-STATICA	-4.1216	1.6756	-5.22	14.36
150	Shell-Thick	SLU-STATICA	-3.6420	2.8981	-5.06	14.36
150	Shell-Thick	SLU-STATICA	-2.8725	3.1868	-5.06	14.09
150	Shell-Thick	SLU-STATICA	-3.3477	1.9342	-5.22	14.09
150	Shell-Thick	SLU-SISMICA	-6.0074	4.6902	-6.03	26.08



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150	Shell-Thick	SLU-SISMICA	-5.1780	6.8943	-5.82	26.08
150	Shell-Thick	SLU-SISMICA	-4.2963	7.2121	-5.82	25.70
150	Shell-Thick	SLU-SISMICA	-5.1115	4.9119	-6.03	25.70
150	Shell-Thick	SLE-RARA	-3.0292	1.1195	-3.92	10.30
150	Shell-Thick	SLE-RARA	-2.6831	1.9969	-3.80	10.30
150	Shell-Thick	SLE-RARA	-2.1057	2.2142	-3.80	10.10
150	Shell-Thick	SLE-RARA	-2.4488	1.3173	-3.92	10.10
150	Shell-Thick	SLE-FREQ.	-2.7995	0.8442	-3.75	9.08
150	Shell-Thick	SLE-FREQ.	-2.4907	1.6192	-3.64	9.08
150	Shell-Thick	SLE-FREQ.	-1.9368	1.8288	-3.64	8.89
150	Shell-Thick	SLE-FREQ.	-2.2435	1.0401	-3.75	8.89
150	Shell-Thick	SLE-QP	-2.1105	0.0181	-3.26	5.43
150	Shell-Thick	SLE-QP	-1.9136	0.4863	-3.18	5.43
150	Shell-Thick	SLE-QP	-1.4300	0.6726	-3.18	5.28
150	Shell-Thick	SLE-QP	-1.6275	0.2085	-3.26	5.28
151	Shell-Thick	SLU-STATICA	-4.0371	1.8037	-5.72	14.09
151	Shell-Thick	SLU-STATICA	-3.4444	3.0650	-5.57	14.09
151	Shell-Thick	SLU-STATICA	-2.5902	3.4217	-5.57	13.84
151	Shell-Thick	SLU-STATICA	-3.1964	2.2532	-5.72	13.84
151	Shell-Thick	SLU-SISMICA	-5.8751	4.7957	-6.77	25.73
151	Shell-Thick	SLU-SISMICA	-4.8381	7.0671	-6.55	25.73
151	Shell-Thick	SLU-SISMICA	-3.8312	7.4941	-6.55	25.35
151	Shell-Thick	SLU-SISMICA	-4.8827	5.3224	-6.77	25.35
151	Shell-Thick	SLE-RARA	-2.9675	1.2177	-4.28	10.10
151	Shell-Thick	SLE-RARA	-2.5405	2.1231	-4.18	10.10
151	Shell-Thick	SLE-RARA	-1.9008	2.3898	-4.18	9.91
151	Shell-Thick	SLE-RARA	-2.3380	1.5544	-4.28	9.91
151	Shell-Thick	SLE-FREQ.	-2.7433	0.9417	-4.09	8.89
151	Shell-Thick	SLE-FREQ.	-2.3633	1.7418	-3.99	8.89
151	Shell-Thick	SLE-FREQ.	-1.7520	1.9962	-3.99	8.72
151	Shell-Thick	SLE-FREQ.	-2.1418	1.2639	-4.09	8.72
151	Shell-Thick	SLE-QP	-2.0706	0.1140	-3.52	5.28
151	Shell-Thick	SLE-QP	-1.8318	0.5981	-3.44	5.28
151	Shell-Thick	SLE-QP	-1.3054	0.8154	-3.44	5.15
151	Shell-Thick	SLE-QP	-1.5531	0.3922	-3.52	5.15
152	Shell-Thick	SLU-STATICA	-3.8010	2.1101	-6.31	13.82
152	Shell-Thick	SLU-STATICA	-3.4104	3.2798	-6.16	13.82
152	Shell-Thick	SLU-STATICA	-2.4785	3.6414	-6.16	13.57
152	Shell-Thick	SLU-STATICA	-2.8627	2.4285	-6.31	13.57
152	Shell-Thick	SLU-SISMICA	-5.4839	5.1893	-7.60	25.34
152	Shell-Thick	SLU-SISMICA	-4.7843	7.3164	-7.36	25.34
152	Shell-Thick	SLU-SISMICA	-3.6713	7.7296	-7.36	24.93
152	Shell-Thick	SLU-SISMICA	-4.3534	5.4839	-7.60	24.93
152	Shell-Thick	SLE-RARA	-2.7963	1.4455	-4.71	9.90
152	Shell-Thick	SLE-RARA	-2.5158	2.2841	-4.61	9.90
152	Shell-Thick	SLE-RARA	-1.8186	2.5556	-4.61	9.71
152	Shell-Thick	SLE-RARA	-2.0949	1.6879	-4.71	9.71
152	Shell-Thick	SLE-FREQ.	-2.5891	1.1568	-4.49	8.71
152	Shell-Thick	SLE-FREQ.	-2.3408	1.8961	-4.40	8.71
152	Shell-Thick	SLE-FREQ.	-1.6758	2.1566	-4.40	8.54
152	Shell-Thick	SLE-FREQ.	-1.9207	1.3952	-4.49	8.54
152	Shell-Thick	SLE-QP	-1.9673	0.2907	-3.83	5.14
152	Shell-Thick	SLE-QP	-1.8160	0.7319	-3.76	5.14
152	Shell-Thick	SLE-QP	-1.2472	0.9596	-3.76	5.02
152	Shell-Thick	SLE-QP	-1.3982	0.5171	-3.83	5.02
153	Shell-Thick	SLU-STATICA	-3.7775	2.2641	-7.03	13.58
153	Shell-Thick	SLU-STATICA	-3.1848	3.4816	-6.90	13.58
153	Shell-Thick	SLU-STATICA	-2.1327	4.0001	-6.90	13.34
153	Shell-Thick	SLU-STATICA	-2.7390	2.8756	-7.03	13.34
153	Shell-Thick	SLU-SISMICA	-5.4619	5.3198	-8.60	24.97
153	Shell-Thick	SLU-SISMICA	-4.4149	7.5232	-8.35	24.97
153	Shell-Thick	SLU-SISMICA	-3.1365	8.1816	-8.35	24.54
153	Shell-Thick	SLU-SISMICA	-4.1981	6.0788	-8.60	24.54
153	Shell-Thick	SLE-RARA	-2.7784	1.5633	-5.25	9.72
153	Shell-Thick	SLE-RARA	-2.3519	2.4368	-5.15	9.72
153	Shell-Thick	SLE-RARA	-1.5660	2.8227	-5.15	9.55
153	Shell-Thick	SLE-RARA	-2.0027	2.0193	-5.25	9.55
153	Shell-Thick	SLE-FREQ.	-2.5715	1.2737	-5.00	8.55
153	Shell-Thick	SLE-FREQ.	-2.1929	2.0446	-4.91	8.55

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153	Shell-Thick	SLE-FREQ.	-1.4449	2.4094	-4.91	8.40
153	Shell-Thick	SLE-FREQ.	-1.8335	1.7063	-5.00	8.40
153	Shell-Thick	SLE-QP	-1.9507	0.4046	-4.22	5.02
153	Shell-Thick	SLE-QP	-1.7156	0.8679	-4.17	5.02
153	Shell-Thick	SLE-QP	-1.0816	1.1697	-4.17	4.93
153	Shell-Thick	SLE-QP	-1.3256	0.7672	-4.22	4.93
154	Shell-Thick	SLU-STATICA	-3.4949	2.6998	-7.88	13.33
154	Shell-Thick	SLU-STATICA	-3.1854	3.8141	-7.74	13.33
154	Shell-Thick	SLU-STATICA	-2.0192	4.2594	-7.74	13.08
154	Shell-Thick	SLU-STATICA	-2.3186	3.0762	-7.88	13.08
154	Shell-Thick	SLU-SISMICA	-5.0238	5.9005	-9.70	24.53
154	Shell-Thick	SLU-SISMICA	-4.4472	7.9326	-9.42	24.53
154	Shell-Thick	SLU-SISMICA	-3.0245	8.4436	-9.42	24.04
154	Shell-Thick	SLU-SISMICA	-3.5775	6.2511	-9.70	24.04
154	Shell-Thick	SLE-RARA	-2.5720	1.8863	-5.88	9.54
154	Shell-Thick	SLE-RARA	-2.3508	2.6849	-5.78	9.54
154	Shell-Thick	SLE-RARA	-1.4799	3.0190	-5.78	9.37
154	Shell-Thick	SLE-RARA	-1.6941	2.1727	-5.88	9.37
154	Shell-Thick	SLE-FREQ.	-2.3829	1.5768	-5.58	8.38
154	Shell-Thick	SLE-FREQ.	-2.1891	2.2802	-5.50	8.38
154	Shell-Thick	SLE-FREQ.	-1.3608	2.6007	-5.50	8.24
154	Shell-Thick	SLE-FREQ.	-1.5489	1.8582	-5.58	8.24
154	Shell-Thick	SLE-QP	-1.8157	0.6481	-4.70	4.92
154	Shell-Thick	SLE-QP	-1.7041	1.0662	-4.66	4.92
154	Shell-Thick	SLE-QP	-1.0035	1.3458	-4.66	4.84
154	Shell-Thick	SLE-QP	-1.1132	0.9148	-4.70	4.84
155	Shell-Thick	SLU-STATICA	-6.5123	1.6613	-2.99	18.84
155	Shell-Thick	SLU-STATICA	-5.5127	3.0233	-2.88	18.84
155	Shell-Thick	SLU-STATICA	-5.2024	3.2099	-2.88	18.68
155	Shell-Thick	SLU-STATICA	-6.1792	1.7701	-2.99	18.68
155	Shell-Thick	SLU-SISMICA	-9.3268	5.8986	-1.45	31.75
155	Shell-Thick	SLU-SISMICA	-7.7699	8.1858	-1.32	31.75
155	Shell-Thick	SLU-SISMICA	-7.6410	8.3184	-1.32	31.56
155	Shell-Thick	SLU-SISMICA	-9.1525	5.8767	-1.45	31.56
155	Shell-Thick	SLE-RARA	-4.7944	1.0477	-2.35	13.63
155	Shell-Thick	SLE-RARA	-4.0647	2.0337	-2.26	13.63
155	Shell-Thick	SLE-RARA	-3.8206	2.1777	-2.26	13.51
155	Shell-Thick	SLE-RARA	-4.5340	1.1366	-2.35	13.51
155	Shell-Thick	SLE-FREQ.	-4.4449	0.6736	-2.42	12.23
155	Shell-Thick	SLE-FREQ.	-3.7790	1.5593	-2.34	12.23
155	Shell-Thick	SLE-FREQ.	-3.5260	1.7042	-2.34	12.12
155	Shell-Thick	SLE-FREQ.	-4.1779	0.7711	-2.42	12.12
155	Shell-Thick	SLE-QP	-3.3963	-0.4486	-2.62	8.04
155	Shell-Thick	SLE-QP	-2.9218	0.1361	-2.55	8.04
155	Shell-Thick	SLE-QP	-2.6422	0.2836	-2.55	7.94
155	Shell-Thick	SLE-QP	-3.1095	-0.3254	-2.62	7.94
156	Shell-Thick	SLU-STATICA	-5.9101	1.7761	-3.10	18.65
156	Shell-Thick	SLU-STATICA	-5.3817	3.2218	-2.99	18.65
156	Shell-Thick	SLU-STATICA	-5.0313	3.1627	-2.99	18.50
156	Shell-Thick	SLU-STATICA	-5.5940	1.8339	-3.10	18.50
156	Shell-Thick	SLU-SISMICA	-8.5289	5.9487	-1.83	31.53
156	Shell-Thick	SLU-SISMICA	-7.6576	8.3678	-1.72	31.53
156	Shell-Thick	SLU-SISMICA	-7.4429	8.1464	-1.72	31.37
156	Shell-Thick	SLU-SISMICA	-8.3553	5.8676	-1.83	31.37
156	Shell-Thick	SLE-RARA	-4.3479	1.1380	-2.41	13.49
156	Shell-Thick	SLE-RARA	-3.9645	2.1849	-2.33	13.49
156	Shell-Thick	SLE-RARA	-3.6922	2.1482	-2.33	13.38
156	Shell-Thick	SLE-RARA	-4.1012	1.1887	-2.41	13.38
156	Shell-Thick	SLE-FREQ.	-4.0254	0.7670	-2.45	12.10
156	Shell-Thick	SLE-FREQ.	-3.6797	1.7081	-2.38	12.10
156	Shell-Thick	SLE-FREQ.	-3.4030	1.6857	-2.38	11.99
156	Shell-Thick	SLE-FREQ.	-3.7732	0.8279	-2.45	11.99
156	Shell-Thick	SLE-QP	-3.0582	-0.3459	-2.59	7.92
156	Shell-Thick	SLE-QP	-2.8253	0.2778	-2.52	7.92
156	Shell-Thick	SLE-QP	-2.5353	0.2981	-2.52	7.83
156	Shell-Thick	SLE-QP	-2.7890	-0.2545	-2.59	7.83
157	Shell-Thick	SLU-STATICA	-5.7327	1.8216	-3.26	18.51
157	Shell-Thick	SLU-STATICA	-4.9314	3.1673	-3.13	18.51
157	Shell-Thick	SLU-STATICA	-4.4542	3.3415	-3.13	18.24

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157	Shell-Thick	SLU-STATICA	-5.2525	1.9380	-3.26	18.24
157	Shell-Thick	SLU-SISMICA	-8.2773	5.9252	-2.30	31.39
157	Shell-Thick	SLU-SISMICA	-7.0128	8.1904	-2.15	31.39
157	Shell-Thick	SLU-SISMICA	-6.6825	8.2847	-2.15	31.09
157	Shell-Thick	SLU-SISMICA	-7.9396	5.8758	-2.30	31.09
157	Shell-Thick	SLE-RARA	-4.2171	1.1758	-2.51	13.38
157	Shell-Thick	SLE-RARA	-3.6330	2.1498	-2.42	13.38
157	Shell-Thick	SLE-RARA	-3.2641	2.2857	-2.42	13.18
157	Shell-Thick	SLE-RARA	-3.8461	1.2723	-2.51	13.18
157	Shell-Thick	SLE-FREQ.	-3.9040	0.8096	-2.53	11.99
157	Shell-Thick	SLE-FREQ.	-3.3724	1.6839	-2.44	11.99
157	Shell-Thick	SLE-FREQ.	-3.0005	1.8231	-2.44	11.80
157	Shell-Thick	SLE-FREQ.	-3.5305	0.9173	-2.53	11.80
157	Shell-Thick	SLE-QP	-2.9647	-0.2891	-2.58	7.83
157	Shell-Thick	SLE-QP	-2.5905	0.2865	-2.50	7.83
157	Shell-Thick	SLE-QP	-2.2097	0.4353	-2.50	7.66
157	Shell-Thick	SLE-QP	-2.5835	-0.1477	-2.58	7.66
158	Shell-Thick	SLU-STATICA	-5.2074	1.9214	-3.41	18.23
158	Shell-Thick	SLU-STATICA	-4.6126	3.3354	-3.28	18.23
158	Shell-Thick	SLU-STATICA	-4.1077	3.3698	-3.28	17.97
158	Shell-Thick	SLU-STATICA	-4.7086	2.0757	-3.41	17.97
158	Shell-Thick	SLU-SISMICA	-7.5614	5.9386	-2.76	31.08
158	Shell-Thick	SLU-SISMICA	-6.5861	8.3168	-2.61	31.08
158	Shell-Thick	SLU-SISMICA	-6.1801	8.2229	-2.61	30.79
158	Shell-Thick	SLU-SISMICA	-7.1619	5.9722	-2.76	30.79
158	Shell-Thick	SLE-RARA	-3.8286	1.2558	-2.62	13.17
158	Shell-Thick	SLE-RARA	-3.3968	2.2792	-2.52	13.17
158	Shell-Thick	SLE-RARA	-3.0093	2.3116	-2.52	12.98
158	Shell-Thick	SLE-RARA	-3.4457	1.3787	-2.62	12.98
158	Shell-Thick	SLE-FREQ.	-3.5407	0.8947	-2.60	11.79
158	Shell-Thick	SLE-FREQ.	-3.1509	1.8136	-2.51	11.79
158	Shell-Thick	SLE-FREQ.	-2.7648	1.8558	-2.51	11.60
158	Shell-Thick	SLE-FREQ.	-3.1591	1.0245	-2.60	11.60
158	Shell-Thick	SLE-QP	-2.6772	-0.1887	-2.57	7.65
158	Shell-Thick	SLE-QP	-2.4131	0.4169	-2.49	7.65
158	Shell-Thick	SLE-QP	-2.0313	0.4883	-2.49	7.48
158	Shell-Thick	SLE-QP	-2.2994	-0.0382	-2.57	7.48
159	Shell-Thick	SLU-STATICA	-4.8840	2.0404	-3.60	17.97
159	Shell-Thick	SLU-STATICA	-4.1978	3.3520	-3.46	17.97
159	Shell-Thick	SLU-STATICA	-3.6701	3.5255	-3.46	17.69
159	Shell-Thick	SLU-STATICA	-4.3540	2.1694	-3.60	17.69
159	Shell-Thick	SLU-SISMICA	-7.1009	6.0071	-3.22	30.81
159	Shell-Thick	SLU-SISMICA	-5.9995	8.2363	-3.06	30.81
159	Shell-Thick	SLU-SISMICA	-5.5322	8.3644	-3.06	30.49
159	Shell-Thick	SLU-SISMICA	-6.6269	6.0084	-3.22	30.49
159	Shell-Thick	SLE-RARA	-3.5904	1.3485	-2.74	12.98
159	Shell-Thick	SLE-RARA	-3.0911	2.2966	-2.64	12.98
159	Shell-Thick	SLE-RARA	-2.6882	2.4303	-2.64	12.77
159	Shell-Thick	SLE-RARA	-3.1859	1.4526	-2.74	12.77
159	Shell-Thick	SLE-FREQ.	-3.3197	0.9893	-2.71	11.60
159	Shell-Thick	SLE-FREQ.	-2.8668	1.8385	-2.61	11.60
159	Shell-Thick	SLE-FREQ.	-2.4689	1.9727	-2.61	11.40
159	Shell-Thick	SLE-FREQ.	-2.9206	1.1013	-2.71	11.40
159	Shell-Thick	SLE-QP	-2.5075	-0.0885	-2.60	7.48
159	Shell-Thick	SLE-QP	-2.1939	0.4644	-2.51	7.48
159	Shell-Thick	SLE-QP	-1.8109	0.5999	-2.51	7.30
159	Shell-Thick	SLE-QP	-2.1245	0.0474	-2.60	7.30
160	Shell-Thick	SLU-STATICA	-4.5044	2.1206	-3.79	17.68
160	Shell-Thick	SLU-STATICA	-3.9315	3.4919	-3.66	17.68
160	Shell-Thick	SLU-STATICA	-3.3694	3.5911	-3.66	17.40
160	Shell-Thick	SLU-STATICA	-3.9485	2.3386	-3.79	17.40
160	Shell-Thick	SLU-SISMICA	-6.5531	6.0215	-3.66	30.48
160	Shell-Thick	SLU-SISMICA	-5.5984	8.3528	-3.50	30.48
160	Shell-Thick	SLU-SISMICA	-5.0577	8.3866	-3.50	30.17
160	Shell-Thick	SLU-SISMICA	-6.0188	6.1806	-3.66	30.17
160	Shell-Thick	SLE-RARA	-3.3111	1.4125	-2.88	12.76
160	Shell-Thick	SLE-RARA	-2.8960	2.4038	-2.78	12.76
160	Shell-Thick	SLE-RARA	-2.4690	2.4822	-2.78	12.55
160	Shell-Thick	SLE-RARA	-2.8888	1.5806	-2.88	12.55

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160	Shell-Thick	SLE-FREQ.	-3.0611	1.0571	-2.82	11.39
160	Shell-Thick	SLE-FREQ.	-2.6876	1.9450	-2.72	11.39
160	Shell-Thick	SLE-FREQ.	-2.2694	2.0269	-2.72	11.19
160	Shell-Thick	SLE-FREQ.	-2.6474	1.2259	-2.82	11.19
160	Shell-Thick	SLE-QP	-2.3111	-0.0091	-2.64	7.29
160	Shell-Thick	SLE-QP	-2.0624	0.5688	-2.55	7.29
160	Shell-Thick	SLE-QP	-1.6706	0.6610	-2.55	7.11
160	Shell-Thick	SLE-QP	-1.9233	0.1617	-2.64	7.11
161	Shell-Thick	SLU-STATICA	-4.2375	2.2713	-4.04	17.39
161	Shell-Thick	SLU-STATICA	-3.6534	3.5437	-3.89	17.39
161	Shell-Thick	SLU-STATICA	-3.0596	3.7360	-3.89	17.09
161	Shell-Thick	SLU-STATICA	-3.6419	2.4286	-4.04	17.09
161	Shell-Thick	SLU-SISMICA	-6.1369	6.1663	-4.14	30.17
161	Shell-Thick	SLU-SISMICA	-5.1803	8.3528	-3.96	30.17
161	Shell-Thick	SLU-SISMICA	-4.5760	8.5308	-3.96	29.82
161	Shell-Thick	SLU-SISMICA	-5.5266	6.2292	-4.14	29.82
161	Shell-Thick	SLE-RARA	-3.1163	1.5270	-3.05	12.54
161	Shell-Thick	SLE-RARA	-2.6923	2.4456	-2.94	12.54
161	Shell-Thick	SLE-RARA	-2.2428	2.5920	-2.94	12.32
161	Shell-Thick	SLE-RARA	-2.6657	1.6509	-3.05	12.32
161	Shell-Thick	SLE-FREQ.	-2.8834	1.1693	-2.97	11.18
161	Shell-Thick	SLE-FREQ.	-2.5004	1.9901	-2.87	11.18
161	Shell-Thick	SLE-FREQ.	-2.0629	2.1341	-2.87	10.97
161	Shell-Thick	SLE-FREQ.	-2.4451	1.2979	-2.97	10.97
161	Shell-Thick	SLE-QP	-2.1846	0.0960	-2.72	7.10
161	Shell-Thick	SLE-QP	-1.9248	0.6236	-2.63	7.10
161	Shell-Thick	SLE-QP	-1.5232	0.7602	-2.63	6.92
161	Shell-Thick	SLE-QP	-1.7832	0.2387	-2.72	6.92
162	Shell-Thick	SLU-STATICA	-4.0056	2.3426	-4.33	17.08
162	Shell-Thick	SLU-STATICA	-3.4487	3.6714	-4.18	17.08
162	Shell-Thick	SLU-STATICA	-2.8073	3.8468	-4.18	16.79
162	Shell-Thick	SLU-STATICA	-3.3705	2.6413	-4.33	16.79
162	Shell-Thick	SLU-SISMICA	-5.7850	6.1854	-4.65	29.83
162	Shell-Thick	SLU-SISMICA	-4.8427	8.4695	-4.47	29.83
162	Shell-Thick	SLU-SISMICA	-4.1554	8.6344	-4.47	29.47
162	Shell-Thick	SLU-SISMICA	-5.1046	6.4826	-4.65	29.47
162	Shell-Thick	SLE-RARA	-2.9465	1.5837	-3.26	12.31
162	Shell-Thick	SLE-RARA	-2.5437	2.5429	-3.15	12.31
162	Shell-Thick	SLE-RARA	-2.0601	2.6763	-3.15	12.09
162	Shell-Thick	SLE-RARA	-2.4676	1.8100	-3.26	12.09
162	Shell-Thick	SLE-FREQ.	-2.7276	1.2288	-3.16	10.96
162	Shell-Thick	SLE-FREQ.	-2.3665	2.0859	-3.05	10.96
162	Shell-Thick	SLE-FREQ.	-1.8985	2.2169	-3.05	10.75
162	Shell-Thick	SLE-FREQ.	-2.2642	1.4497	-3.16	10.75
162	Shell-Thick	SLE-QP	-2.0710	0.1642	-2.84	6.91
162	Shell-Thick	SLE-QP	-1.8346	0.7149	-2.75	6.91
162	Shell-Thick	SLE-QP	-1.4137	0.8385	-2.75	6.73
162	Shell-Thick	SLE-QP	-1.6542	0.3687	-2.84	6.73
163	Shell-Thick	SLU-STATICA	-3.7898	2.5395	-4.67	16.78
163	Shell-Thick	SLU-STATICA	-3.2935	3.7674	-4.51	16.78
163	Shell-Thick	SLU-STATICA	-2.6055	3.9907	-4.51	16.47
163	Shell-Thick	SLU-STATICA	-3.1000	2.7310	-4.67	16.47
163	Shell-Thick	SLU-SISMICA	-5.4239	6.4162	-5.20	29.47
163	Shell-Thick	SLU-SISMICA	-4.5922	8.5496	-5.01	29.47
163	Shell-Thick	SLU-SISMICA	-3.8295	8.7799	-5.01	29.08
163	Shell-Thick	SLU-SISMICA	-4.6552	6.5334	-5.20	29.08
163	Shell-Thick	SLE-RARA	-2.7902	1.7312	-3.51	12.08
163	Shell-Thick	SLE-RARA	-2.4309	2.6164	-3.40	12.08
163	Shell-Thick	SLE-RARA	-1.9133	2.7853	-3.40	11.85
163	Shell-Thick	SLE-RARA	-2.2715	1.8800	-3.51	11.85
163	Shell-Thick	SLE-FREQ.	-2.5872	1.3699	-3.38	10.74
163	Shell-Thick	SLE-FREQ.	-2.2642	2.1589	-3.27	10.74
163	Shell-Thick	SLE-FREQ.	-1.7655	2.3231	-3.27	10.52
163	Shell-Thick	SLE-FREQ.	-2.0877	1.5211	-3.38	10.52
163	Shell-Thick	SLE-QP	-1.9779	0.2861	-2.99	6.72
163	Shell-Thick	SLE-QP	-1.7642	0.7864	-2.90	6.72
163	Shell-Thick	SLE-QP	-1.3222	0.9363	-2.90	6.54
163	Shell-Thick	SLE-QP	-1.5363	0.4446	-2.99	6.54
164	Shell-Thick	SLU-STATICA	-3.6787	2.6078	-5.09	16.47

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164	Shell-Thick	SLU-STATICA	-3.1307	3.8932	-4.94	16.47
164	Shell-Thick	SLU-STATICA	-2.3750	4.1629	-4.94	16.16
164	Shell-Thick	SLU-STATICA	-2.9297	3.0074	-5.09	16.16
164	Shell-Thick	SLU-SISMICA	-5.2450	6.4340	-5.84	29.09
164	Shell-Thick	SLU-SISMICA	-4.3050	8.6663	-5.64	29.09
164	Shell-Thick	SLU-SISMICA	-3.4395	8.9749	-5.64	28.68
164	Shell-Thick	SLU-SISMICA	-4.3868	6.8853	-5.84	28.68
164	Shell-Thick	SLE-RARA	-2.7095	1.7854	-3.82	11.85
164	Shell-Thick	SLE-RARA	-2.3138	2.7122	-3.71	11.85
164	Shell-Thick	SLE-RARA	-1.7466	2.9146	-3.71	11.62
164	Shell-Thick	SLE-RARA	-2.1474	2.0856	-3.82	11.62
164	Shell-Thick	SLE-FREQ.	-2.5140	1.4269	-3.66	10.52
164	Shell-Thick	SLE-FREQ.	-2.1602	2.2531	-3.56	10.52
164	Shell-Thick	SLE-FREQ.	-1.6161	2.4473	-3.56	10.31
164	Shell-Thick	SLE-FREQ.	-1.9747	1.7155	-3.66	10.31
164	Shell-Thick	SLE-QP	-1.9274	0.3515	-3.19	6.53
164	Shell-Thick	SLE-QP	-1.6995	0.8757	-3.11	6.53
164	Shell-Thick	SLE-QP	-1.2244	1.0454	-3.11	6.36
164	Shell-Thick	SLE-QP	-1.4566	0.6052	-3.19	6.36
165	Shell-Thick	SLU-STATICA	-3.4813	2.8724	-5.58	16.15
165	Shell-Thick	SLU-STATICA	-3.0646	4.0497	-5.42	16.15
165	Shell-Thick	SLU-STATICA	-2.2406	4.3197	-5.42	15.83
165	Shell-Thick	SLU-STATICA	-2.6552	3.1044	-5.58	15.83
165	Shell-Thick	SLU-SISMICA	-4.9046	6.7704	-6.54	28.68
165	Shell-Thick	SLU-SISMICA	-4.1878	8.8365	-6.32	28.68
165	Shell-Thick	SLU-SISMICA	-3.2257	9.1260	-6.32	28.23
165	Shell-Thick	SLU-SISMICA	-3.9360	6.9346	-6.54	28.23
165	Shell-Thick	SLE-RARA	-2.5670	1.9823	-4.18	11.61
165	Shell-Thick	SLE-RARA	-2.2662	2.8301	-4.06	11.61
165	Shell-Thick	SLE-RARA	-1.6487	3.0337	-4.06	11.38
165	Shell-Thick	SLE-RARA	-1.9482	2.1615	-4.18	11.38
165	Shell-Thick	SLE-FREQ.	-2.3867	1.6131	-3.99	10.30
165	Shell-Thick	SLE-FREQ.	-2.1180	2.3670	-3.89	10.30
165	Shell-Thick	SLE-FREQ.	-1.5271	2.5639	-3.89	10.08
165	Shell-Thick	SLE-FREQ.	-1.7949	1.7935	-3.99	10.08
165	Shell-Thick	SLE-QP	-1.8459	0.5054	-3.45	6.35
165	Shell-Thick	SLE-QP	-1.6735	0.9774	-3.37	6.35
165	Shell-Thick	SLE-QP	-1.1623	1.1545	-3.37	6.18
165	Shell-Thick	SLE-QP	-1.3350	0.6893	-3.45	6.18
166	Shell-Thick	SLU-STATICA	-3.4513	2.9455	-6.19	15.83
166	Shell-Thick	SLU-STATICA	-2.9068	4.1862	-6.04	15.83
166	Shell-Thick	SLU-STATICA	-1.9861	4.5816	-6.04	15.53
166	Shell-Thick	SLU-STATICA	-2.5375	3.4762	-6.19	15.53
166	Shell-Thick	SLU-SISMICA	-4.8561	6.7837	-7.40	28.25
166	Shell-Thick	SLU-SISMICA	-3.9118	8.9557	-7.17	28.25
166	Shell-Thick	SLU-SISMICA	-2.8156	9.4419	-7.17	27.79
166	Shell-Thick	SLU-SISMICA	-3.7676	7.4214	-7.40	27.79
166	Shell-Thick	SLE-RARA	-2.5452	2.0407	-4.63	11.38
166	Shell-Thick	SLE-RARA	-2.1525	2.9344	-4.52	11.38
166	Shell-Thick	SLE-RARA	-1.4636	3.2295	-4.52	11.15
166	Shell-Thick	SLE-RARA	-1.8615	2.4375	-4.63	11.15
166	Shell-Thick	SLE-FREQ.	-2.3670	1.6749	-4.42	10.08
166	Shell-Thick	SLE-FREQ.	-2.0168	2.4701	-4.31	10.08
166	Shell-Thick	SLE-FREQ.	-1.3594	2.7504	-4.31	9.87
166	Shell-Thick	SLE-FREQ.	-1.7145	2.0531	-4.42	9.87
166	Shell-Thick	SLE-QP	-1.8324	0.5777	-3.78	6.17
166	Shell-Thick	SLE-QP	-1.6098	1.0771	-3.70	6.17
166	Shell-Thick	SLE-QP	-1.0466	1.3133	-3.70	6.02
166	Shell-Thick	SLE-QP	-1.2736	0.9001	-3.78	6.02
167	Shell-Thick	SLU-STATICA	-3.2287	3.3097	-6.89	15.51
167	Shell-Thick	SLU-STATICA	-2.8866	4.4297	-6.73	15.51
167	Shell-Thick	SLU-STATICA	-1.8665	4.7655	-6.73	15.19
167	Shell-Thick	SLU-STATICA	-2.2055	3.5885	-6.89	15.19
167	Shell-Thick	SLU-SISMICA	-4.4897	7.2626	-8.32	27.78
167	Shell-Thick	SLU-SISMICA	-3.8833	9.2427	-8.06	27.78
167	Shell-Thick	SLU-SISMICA	-2.6583	9.6051	-8.06	27.26
167	Shell-Thick	SLU-SISMICA	-3.2566	7.4677	-8.32	27.26
167	Shell-Thick	SLE-RARA	-2.3836	2.3109	-5.15	11.14
167	Shell-Thick	SLE-RARA	-2.1377	3.1168	-5.03	11.14

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167	Shell-Thick	SLE-RARA	-1.3749	3.3699	-5.03	10.91
167	Shell-Thick	SLE-RARA	-1.6189	2.5259	-5.15	10.91
167	Shell-Thick	SLE-FREQ.	-2.2212	1.9291	-4.90	9.86
167	Shell-Thick	SLE-FREQ.	-2.0031	2.6444	-4.80	9.86
167	Shell-Thick	SLE-FREQ.	-1.2759	2.8891	-4.80	9.65
167	Shell-Thick	SLE-FREQ.	-1.4926	2.1448	-4.90	9.65
167	Shell-Thick	SLE-QP	-1.7340	0.7836	-4.17	6.01
167	Shell-Thick	SLE-QP	-1.5992	1.2272	-4.10	6.01
167	Shell-Thick	SLE-QP	-0.9790	1.4467	-4.10	5.87
167	Shell-Thick	SLE-QP	-1.1137	1.0016	-4.17	5.87
168	Shell-Thick	SLU-STATICA	-3.2347	3.3958	-7.78	15.20
168	Shell-Thick	SLU-STATICA	-2.6849	4.5887	-7.62	15.20
168	Shell-Thick	SLU-STATICA	-1.5267	5.1676	-7.62	14.88
168	Shell-Thick	SLU-STATICA	-2.0834	4.1100	-7.78	14.88
168	Shell-Thick	SLU-SISMICA	-4.5284	7.2695	-9.48	27.29
168	Shell-Thick	SLU-SISMICA	-3.5690	9.3667	-9.20	27.29
168	Shell-Thick	SLU-SISMICA	-2.1644	10.1096	-9.20	26.73
168	Shell-Thick	SLU-SISMICA	-3.1315	8.1656	-9.48	26.73
168	Shell-Thick	SLE-RARA	-2.3866	2.3802	-5.81	10.92
168	Shell-Thick	SLE-RARA	-1.9904	3.2390	-5.69	10.92
168	Shell-Thick	SLE-RARA	-1.1251	3.6695	-5.69	10.69
168	Shell-Thick	SLE-RARA	-1.5264	2.9122	-5.81	10.69
168	Shell-Thick	SLE-FREQ.	-2.2214	2.0031	-5.52	9.65
168	Shell-Thick	SLE-FREQ.	-1.8687	2.7665	-5.42	9.65
168	Shell-Thick	SLE-FREQ.	-1.0449	3.1728	-5.42	9.45
168	Shell-Thick	SLE-FREQ.	-1.4027	2.5071	-5.52	9.45
168	Shell-Thick	SLE-QP	-1.7260	0.8720	-4.68	5.86
168	Shell-Thick	SLE-QP	-1.5035	1.3489	-4.61	5.86
168	Shell-Thick	SLE-QP	-0.8045	1.6830	-4.61	5.74
168	Shell-Thick	SLE-QP	-1.0314	1.2918	-4.68	5.74
169	Shell-Thick	SLU-STATICA	77.7755	12.8735	130.91	-1.59
169	Shell-Thick	SLU-STATICA	65.1061	15.7028	112.70	-1.59
169	Shell-Thick	SLU-STATICA	46.9171	15.9796	112.70	35.04
169	Shell-Thick	SLU-STATICA	59.4165	16.3063	130.91	35.04
169	Shell-Thick	SLU-SISMICA	110.2078	17.9940	171.96	-2.40
169	Shell-Thick	SLU-SISMICA	90.7145	22.1904	146.27	-2.40
169	Shell-Thick	SLU-SISMICA	66.9734	23.5818	146.27	49.29
169	Shell-Thick	SLU-SISMICA	86.2047	24.2706	171.96	49.29
169	Shell-Thick	SLE-RARA	57.3174	9.4996	97.15	-1.16
169	Shell-Thick	SLE-RARA	48.0573	11.5753	83.72	-1.16
169	Shell-Thick	SLE-RARA	34.5515	11.7295	83.72	25.84
169	Shell-Thick	SLE-RARA	43.6874	11.9591	97.15	25.84
169	Shell-Thick	SLE-FREQ.	53.2389	8.8446	91.38	-1.07
169	Shell-Thick	SLE-FREQ.	44.7679	10.7568	78.90	-1.07
169	Shell-Thick	SLE-FREQ.	32.0513	10.8156	78.90	24.03
169	Shell-Thick	SLE-FREQ.	40.4088	11.0097	91.38	24.03
169	Shell-Thick	SLE-QP	41.0033	6.8795	74.07	-0.78
169	Shell-Thick	SLE-QP	34.8997	8.3011	64.43	-0.78
169	Shell-Thick	SLE-QP	24.5509	8.0737	64.43	18.61
169	Shell-Thick	SLE-QP	30.5729	8.1615	74.07	18.61
170	Shell-Thick	SLU-STATICA	118.7091	39.3968	156.55	9.59
170	Shell-Thick	SLU-STATICA	82.4637	0.3129	123.12	9.59
170	Shell-Thick	SLU-STATICA	58.8652	45.8882	123.12	67.38
170	Shell-Thick	SLU-STATICA	100.8611	100.9080	152.18	67.38
170	Shell-Thick	SLU-SISMICA	172.2726	58.3526	206.33	14.53
170	Shell-Thick	SLU-SISMICA	116.9857	-1.1813	160.47	14.53
170	Shell-Thick	SLU-SISMICA	85.4783	68.4728	160.47	93.80
170	Shell-Thick	SLU-SISMICA	149.4802	152.2089	200.34	93.80
170	Shell-Thick	SLE-RARA	87.2815	28.9080	116.14	7.02
170	Shell-Thick	SLE-RARA	60.7658	0.3115	91.43	7.02
170	Shell-Thick	SLE-RARA	43.2783	33.6459	91.43	49.74
170	Shell-Thick	SLE-RARA	74.0038	73.9058	112.91	49.74
170	Shell-Thick	SLE-FREQ.	80.7276	26.6374	109.19	6.44
170	Shell-Thick	SLE-FREQ.	56.4305	0.4267	86.11	6.44
170	Shell-Thick	SLE-FREQ.	40.0242	30.9603	86.11	46.34
170	Shell-Thick	SLE-FREQ.	68.1836	67.8676	106.17	46.34
170	Shell-Thick	SLE-QP	61.0659	19.8257	88.32	4.70
170	Shell-Thick	SLE-QP	43.4247	0.7720	70.14	4.70
170	Shell-Thick	SLE-QP	30.2617	22.9035	70.14	36.14

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170	Shell-Thick	SLE-QP	50.7230	49.7530	85.95	36.14
171	Shell-Thick	SLU-STATICA	110.3666	144.3938	77.15	177.55
171	Shell-Thick	SLU-STATICA	132.6856	161.9370	148.94	177.55
171	Shell-Thick	SLU-STATICA	113.7754	112.2327	158.32	53.45
171	Shell-Thick	SLU-STATICA	94.5323	97.4718	77.15	53.45
171	Shell-Thick	SLU-SISMICA	162.1054	217.2826	102.88	236.82
171	Shell-Thick	SLU-SISMICA	193.8051	242.9650	196.83	236.82
171	Shell-Thick	SLU-SISMICA	168.5678	169.3678	209.10	74.42
171	Shell-Thick	SLU-SISMICA	141.2702	147.9328	102.88	74.42
171	Shell-Thick	SLE-RARA	81.0510	105.7809	57.17	131.58
171	Shell-Thick	SLE-RARA	97.4955	118.6686	110.47	131.58
171	Shell-Thick	SLE-RARA	83.4819	82.1962	117.43	39.45
171	Shell-Thick	SLE-RARA	69.3020	71.3438	57.17	39.45
171	Shell-Thick	SLE-FREQ.	74.8007	97.1827	53.65	123.47
171	Shell-Thick	SLE-FREQ.	90.0688	109.0837	103.81	123.47
171	Shell-Thick	SLE-FREQ.	76.9206	75.4742	110.36	36.76
171	Shell-Thick	SLE-FREQ.	63.7523	65.4378	53.65	36.76
171	Shell-Thick	SLE-QP	56.0497	71.3880	43.07	99.12
171	Shell-Thick	SLE-QP	67.7887	80.3291	83.83	99.12
171	Shell-Thick	SLE-QP	57.2370	55.3080	89.15	28.67
171	Shell-Thick	SLE-QP	47.1032	47.7199	43.07	28.67
172	Shell-Thick	SLU-STATICA	16.6804	4.8635	17.59	31.01
172	Shell-Thick	SLU-STATICA	17.9662	6.4256	19.25	31.01
172	Shell-Thick	SLU-STATICA	15.2080	5.8678	19.25	26.70
172	Shell-Thick	SLU-STATICA	13.9113	4.0822	17.59	26.70
172	Shell-Thick	SLU-SISMICA	25.6279	10.8450	26.13	48.50
172	Shell-Thick	SLU-SISMICA	27.5893	13.3541	28.27	48.50
172	Shell-Thick	SLU-SISMICA	23.5157	12.3395	28.27	42.94
172	Shell-Thick	SLU-SISMICA	21.5403	9.5441	26.13	42.94
172	Shell-Thick	SLE-RARA	12.1936	3.3872	12.91	22.63
172	Shell-Thick	SLE-RARA	13.1342	4.5238	14.14	22.63
172	Shell-Thick	SLE-RARA	11.1097	4.1238	14.14	19.42
172	Shell-Thick	SLE-RARA	10.1610	2.8211	12.91	19.42
172	Shell-Thick	SLE-FREQ.	11.1576	2.8121	11.89	20.63
172	Shell-Thick	SLE-FREQ.	12.0195	3.8428	13.05	20.63
172	Shell-Thick	SLE-FREQ.	10.1530	3.4903	13.05	17.61
172	Shell-Thick	SLE-FREQ.	9.2835	2.3027	11.89	17.61
172	Shell-Thick	SLE-QP	8.0498	1.0869	8.83	14.64
172	Shell-Thick	SLE-QP	8.6754	1.8001	9.78	14.64
172	Shell-Thick	SLE-QP	7.2831	1.5897	9.78	12.17
172	Shell-Thick	SLE-QP	6.6510	0.7474	8.83	12.17
173	Shell-Thick	SLU-STATICA	13.5516	4.2214	17.73	26.80
173	Shell-Thick	SLU-STATICA	14.6845	5.5520	19.42	26.80
173	Shell-Thick	SLU-STATICA	11.9024	6.1504	19.42	22.39
173	Shell-Thick	SLU-STATICA	10.7601	4.6271	17.73	22.39
173	Shell-Thick	SLU-SISMICA	21.0018	9.7060	26.30	43.07
173	Shell-Thick	SLU-SISMICA	22.7644	11.9197	28.51	43.07
173	Shell-Thick	SLU-SISMICA	18.6587	12.5973	28.51	37.30
173	Shell-Thick	SLU-SISMICA	16.8848	10.1490	26.30	37.30
173	Shell-Thick	SLE-RARA	9.8974	2.9255	13.01	19.50
173	Shell-Thick	SLE-RARA	10.7245	3.8897	14.27	19.50
173	Shell-Thick	SLE-RARA	8.6823	4.3392	14.27	16.23
173	Shell-Thick	SLE-RARA	7.8482	3.2311	13.01	16.23
173	Shell-Thick	SLE-FREQ.	9.0411	2.4026	11.98	17.68
173	Shell-Thick	SLE-FREQ.	9.7960	3.2705	13.17	17.68
173	Shell-Thick	SLE-FREQ.	7.9129	3.7024	13.17	14.60
173	Shell-Thick	SLE-FREQ.	7.1514	2.6976	11.98	14.60
173	Shell-Thick	SLE-QP	6.4722	0.8340	8.91	12.23
173	Shell-Thick	SLE-QP	7.0107	1.4128	9.87	12.23
173	Shell-Thick	SLE-QP	5.6050	1.7919	9.87	9.73
173	Shell-Thick	SLE-QP	5.0608	1.0972	8.91	9.73
174	Shell-Thick	SLU-STATICA	9.8493	4.5155	17.16	22.43
174	Shell-Thick	SLU-STATICA	10.1660	5.7326	18.75	22.43
174	Shell-Thick	SLU-STATICA	7.4705	5.5120	18.75	18.30
174	Shell-Thick	SLU-STATICA	7.1580	4.3664	17.16	18.30
174	Shell-Thick	SLU-SISMICA	15.5624	9.9483	25.56	37.33
174	Shell-Thick	SLU-SISMICA	16.1323	12.0282	27.66	37.33
174	Shell-Thick	SLU-SISMICA	12.1359	11.4401	27.66	31.87
174	Shell-Thick	SLU-SISMICA	11.5743	9.5059	25.56	31.87



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174	Shell-Thick	SLE-RARA	7.1785	3.1509	12.58	16.25
174	Shell-Thick	SLE-RARA	7.4059	4.0302	13.76	16.25
174	Shell-Thick	SLE-RARA	5.4282	3.8813	13.76	13.19
174	Shell-Thick	SLE-RARA	5.2038	3.0525	12.58	13.19
174	Shell-Thick	SLE-FREQ.	6.5320	2.6267	11.58	14.63
174	Shell-Thick	SLE-FREQ.	6.7330	3.4134	12.69	14.63
174	Shell-Thick	SLE-FREQ.	4.9110	3.2984	12.69	11.75
174	Shell-Thick	SLE-FREQ.	4.7126	2.5549	11.58	11.75
174	Shell-Thick	SLE-QP	4.5925	1.0542	8.58	9.75
174	Shell-Thick	SLE-QP	4.7142	1.5632	9.47	9.75
174	Shell-Thick	SLE-QP	3.3592	1.5498	9.47	7.43
174	Shell-Thick	SLE-QP	3.2389	1.0619	8.58	7.43
175	Shell-Thick	SLU-STATICA	5.6976	4.1405	15.79	18.33
175	Shell-Thick	SLU-STATICA	5.9500	5.1417	17.17	18.33
175	Shell-Thick	SLU-STATICA	3.4757	5.0996	17.17	14.74
175	Shell-Thick	SLU-STATICA	3.2281	4.1822	15.79	14.74
175	Shell-Thick	SLU-SISMICA	9.4606	9.1479	23.75	31.89
175	Shell-Thick	SLU-SISMICA	9.9650	10.9412	25.60	31.89
175	Shell-Thick	SLU-SISMICA	6.2585	10.6184	25.60	27.06
175	Shell-Thick	SLU-SISMICA	5.7635	8.9918	23.75	27.06
175	Shell-Thick	SLE-RARA	4.1298	2.8879	11.57	13.22
175	Shell-Thick	SLE-RARA	4.3085	3.6071	12.59	13.22
175	Shell-Thick	SLE-RARA	2.4950	3.5892	12.59	10.56
175	Shell-Thick	SLE-RARA	2.3198	2.9294	11.57	10.56
175	Shell-Thick	SLE-FREQ.	3.7187	2.4052	10.63	11.78
175	Shell-Thick	SLE-FREQ.	3.8723	3.0416	11.58	11.78
175	Shell-Thick	SLE-FREQ.	2.2048	3.0472	11.58	9.28
175	Shell-Thick	SLE-FREQ.	2.0542	2.4619	10.63	9.28
175	Shell-Thick	SLE-QP	2.4855	0.9570	7.81	7.45
175	Shell-Thick	SLE-QP	2.5637	1.3449	8.57	7.45
175	Shell-Thick	SLE-QP	1.3341	1.4210	8.57	5.47
175	Shell-Thick	SLE-QP	1.2575	1.0594	7.81	5.47
176	Shell-Thick	SLU-STATICA	2.1686	3.9402	13.97	14.73
176	Shell-Thick	SLU-STATICA	1.8570	4.8059	15.12	14.73
176	Shell-Thick	SLU-STATICA	-0.3305	4.0759	15.12	11.73
176	Shell-Thick	SLU-STATICA	-0.0083	3.4071	13.97	11.73
176	Shell-Thick	SLU-SISMICA	4.2801	8.6230	21.40	27.03
176	Shell-Thick	SLU-SISMICA	3.9567	10.2302	22.99	27.03
176	Shell-Thick	SLU-SISMICA	0.6188	8.8561	22.99	22.90
176	Shell-Thick	SLU-SISMICA	0.9592	7.5672	21.40	22.90
176	Shell-Thick	SLE-RARA	1.5380	2.7524	10.22	10.55
176	Shell-Thick	SLE-RARA	1.3025	3.3714	11.07	10.55
176	Shell-Thick	SLE-RARA	-0.2977	2.8503	11.07	8.33
176	Shell-Thick	SLE-RARA	-0.0545	2.3744	10.22	8.33
176	Shell-Thick	SLE-FREQ.	1.3266	2.2997	9.35	9.27
176	Shell-Thick	SLE-FREQ.	1.0979	2.8425	10.15	9.27
176	Shell-Thick	SLE-FREQ.	-0.3684	2.3872	10.15	7.21
176	Shell-Thick	SLE-FREQ.	-0.1327	1.9740	9.35	7.21
176	Shell-Thick	SLE-QP	0.6922	0.9416	6.77	5.46
176	Shell-Thick	SLE-QP	0.4838	1.2558	7.39	5.46
176	Shell-Thick	SLE-QP	-0.5804	0.9979	7.39	3.84
176	Shell-Thick	SLE-QP	-0.3672	0.7727	6.77	3.84
177	Shell-Thick	SLU-STATICA	-1.0944	3.1894	11.88	11.72
177	Shell-Thick	SLU-STATICA	-1.2219	3.8981	12.82	11.72
177	Shell-Thick	SLU-STATICA	-3.0797	3.1397	12.82	9.28
177	Shell-Thick	SLU-STATICA	-2.9416	2.6300	11.88	9.28
177	Shell-Thick	SLU-SISMICA	-0.5508	7.2458	18.65	22.89
177	Shell-Thick	SLU-SISMICA	-0.5832	8.6350	19.98	22.89
177	Shell-Thick	SLU-SISMICA	-3.4895	7.2399	19.98	19.42
177	Shell-Thick	SLU-SISMICA	-3.4399	6.1751	18.65	19.42
177	Shell-Thick	SLE-RARA	-0.8564	2.2146	8.66	8.33
177	Shell-Thick	SLE-RARA	-0.9577	2.7178	9.36	8.33
177	Shell-Thick	SLE-RARA	-2.3132	2.1748	9.36	6.53
177	Shell-Thick	SLE-RARA	-2.2042	1.8162	8.66	6.53
177	Shell-Thick	SLE-FREQ.	-0.8799	1.8267	7.89	7.20
177	Shell-Thick	SLE-FREQ.	-0.9866	2.2615	8.54	7.20
177	Shell-Thick	SLE-FREQ.	-2.2225	1.7842	8.54	5.53
177	Shell-Thick	SLE-FREQ.	-2.1089	1.4801	7.89	5.53
177	Shell-Thick	SLE-QP	-0.9506	0.6628	5.58	3.84



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177	Shell-Thick	SLE-QP	-1.0732	0.8926	6.08	3.84
177	Shell-Thick	SLE-QP	-1.9504	0.6124	6.08	2.55
177	Shell-Thick	SLE-QP	-1.8230	0.4717	5.58	2.55
178	Shell-Thick	SLU-STATICA	-3.4847	2.4546	9.77	9.25
178	Shell-Thick	SLU-STATICA	-3.9534	3.0318	10.51	9.25
178	Shell-Thick	SLU-STATICA	-5.4799	2.1012	10.51	7.33
178	Shell-Thick	SLU-STATICA	-5.0010	1.7170	9.77	7.33
178	Shell-Thick	SLU-SISMICA	-4.1187	5.9275	15.84	19.36
178	Shell-Thick	SLU-SISMICA	-4.6647	7.1168	16.93	19.36
178	Shell-Thick	SLU-SISMICA	-7.1309	5.4438	16.93	16.52
178	Shell-Thick	SLU-SISMICA	-6.5692	4.5516	15.84	16.52
178	Shell-Thick	SLE-RARA	-2.6089	1.6869	7.10	6.50
178	Shell-Thick	SLE-RARA	-2.9602	2.0938	7.64	6.50
178	Shell-Thick	SLE-RARA	-4.0701	1.4256	7.64	5.09
178	Shell-Thick	SLE-RARA	-3.7113	1.1598	7.10	5.09
178	Shell-Thick	SLE-FREQ.	-2.4925	1.3599	6.43	5.51
178	Shell-Thick	SLE-FREQ.	-2.8288	1.7064	6.93	5.51
178	Shell-Thick	SLE-FREQ.	-3.8341	1.1158	6.93	4.21
178	Shell-Thick	SLE-FREQ.	-3.4909	0.8982	6.43	4.21
178	Shell-Thick	SLE-QP	-2.1432	0.3789	4.41	2.54
178	Shell-Thick	SLE-QP	-2.4344	0.5444	4.78	2.54
178	Shell-Thick	SLE-QP	-3.1260	0.1862	4.78	1.57
178	Shell-Thick	SLE-QP	-2.8298	0.1136	4.41	1.57
179	Shell-Thick	SLU-STATICA	-5.6091	1.5717	7.70	7.31
179	Shell-Thick	SLU-STATICA	-5.8085	2.0591	8.28	7.31
179	Shell-Thick	SLU-STATICA	-7.0131	1.1324	8.28	5.82
179	Shell-Thick	SLU-STATICA	-6.8025	0.8581	7.70	5.82
179	Shell-Thick	SLU-SISMICA	-7.3419	4.3580	13.02	16.50
179	Shell-Thick	SLU-SISMICA	-7.4838	5.4124	13.93	16.50
179	Shell-Thick	SLU-SISMICA	-9.5144	3.7781	13.93	14.14
179	Shell-Thick	SLU-SISMICA	-9.3551	3.0555	13.02	14.14
179	Shell-Thick	SLE-RARA	-4.1639	1.0521	5.57	5.08
179	Shell-Thick	SLE-RARA	-4.3179	1.3932	5.99	5.08
179	Shell-Thick	SLE-RARA	-5.1895	0.7263	5.99	3.99
179	Shell-Thick	SLE-RARA	-5.0273	0.5408	5.57	3.99
179	Shell-Thick	SLE-FREQ.	-3.9188	0.7972	5.00	4.20
179	Shell-Thick	SLE-FREQ.	-4.0737	1.0833	5.38	4.20
179	Shell-Thick	SLE-FREQ.	-4.8560	0.4909	5.38	3.21
179	Shell-Thick	SLE-FREQ.	-4.6936	0.3468	5.00	3.21
179	Shell-Thick	SLE-QP	-3.1836	0.0324	3.27	1.56
179	Shell-Thick	SLE-QP	-3.3413	0.1535	3.54	1.56
179	Shell-Thick	SLE-QP	-3.8554	-0.2151	3.54	0.86
179	Shell-Thick	SLE-QP	-3.6924	-0.2349	3.27	0.86
180	Shell-Thick	SLU-STATICA	-7.0311	0.7448	5.75	5.78
180	Shell-Thick	SLU-STATICA	-7.4561	1.1114	6.17	5.78
180	Shell-Thick	SLU-STATICA	-8.3539	0.3378	6.17	4.69
180	Shell-Thick	SLU-STATICA	-7.9223	0.0970	5.75	4.69
180	Shell-Thick	SLU-SISMICA	-9.5441	2.9182	10.32	14.09
180	Shell-Thick	SLU-SISMICA	-10.0404	3.7724	11.05	14.09
180	Shell-Thick	SLU-SISMICA	-11.6482	2.3393	11.05	12.20
180	Shell-Thick	SLU-SISMICA	-11.1422	1.6684	10.32	12.20
180	Shell-Thick	SLE-RARA	-5.2025	0.4561	4.13	3.97
180	Shell-Thick	SLE-RARA	-5.5210	0.7096	4.43	3.97
180	Shell-Thick	SLE-RARA	-6.1659	0.1563	4.43	3.18
180	Shell-Thick	SLE-RARA	-5.8426	-0.0048	4.13	3.18
180	Shell-Thick	SLE-FREQ.	-4.8677	0.2662	3.65	3.19
180	Shell-Thick	SLE-FREQ.	-5.1725	0.4734	3.92	3.19
180	Shell-Thick	SLE-FREQ.	-5.7432	-0.0121	3.92	2.48
180	Shell-Thick	SLE-FREQ.	-5.4339	-0.1338	3.65	2.48
180	Shell-Thick	SLE-QP	-3.8633	-0.3034	2.22	0.85
180	Shell-Thick	SLE-QP	-4.1270	-0.2351	2.39	0.85
180	Shell-Thick	SLE-QP	-4.4749	-0.5171	2.39	0.39
180	Shell-Thick	SLE-QP	-4.2079	-0.5209	2.22	0.39
181	Shell-Thick	SLU-STATICA	-8.3327	-0.0060	3.95	4.68
181	Shell-Thick	SLU-STATICA	-8.4905	0.3314	4.26	4.68
181	Shell-Thick	SLU-STATICA	-9.1109	-0.3951	4.26	3.87
181	Shell-Thick	SLU-STATICA	-8.9437	-0.5532	3.95	3.87
181	Shell-Thick	SLU-SISMICA	-11.6028	1.5537	7.76	12.19
181	Shell-Thick	SLU-SISMICA	-11.7074	2.3501	8.37	12.19

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181	Shell-Thick	SLU-SISMICA	-12.9246	1.0302	8.37	10.61
181	Shell-Thick	SLU-SISMICA	-12.8059	0.5043	7.76	10.61
181	Shell-Thick	SLE-RARA	-6.1510	-0.0822	2.80	3.17
181	Shell-Thick	SLE-RARA	-6.2733	0.1506	3.02	3.17
181	Shell-Thick	SLE-RARA	-6.7136	-0.3704	3.02	2.59
181	Shell-Thick	SLE-RARA	-6.5845	-0.4719	2.80	2.59
181	Shell-Thick	SLE-FREQ.	-5.7306	-0.2084	2.42	2.47
181	Shell-Thick	SLE-FREQ.	-5.8542	-0.0191	2.61	2.47
181	Shell-Thick	SLE-FREQ.	-6.2347	-0.4784	2.61	1.98
181	Shell-Thick	SLE-FREQ.	-6.1048	-0.5472	2.42	1.98
181	Shell-Thick	SLE-QP	-4.4694	-0.5868	1.27	0.39
181	Shell-Thick	SLE-QP	-4.5971	-0.5279	1.37	0.39
181	Shell-Thick	SLE-QP	-4.7978	-0.8024	1.37	0.12
181	Shell-Thick	SLE-QP	-4.6655	-0.7730	1.27	0.12
182	Shell-Thick	SLU-STATICA	-9.1328	-0.6396	2.31	3.84
182	Shell-Thick	SLU-STATICA	-9.4423	-0.4128	2.51	3.84
182	Shell-Thick	SLU-STATICA	-9.8049	-0.9092	2.51	3.32
182	Shell-Thick	SLU-STATICA	-9.4933	-1.0978	2.31	3.32
182	Shell-Thick	SLU-SISMICA	-12.9200	0.4216	5.39	10.58
182	Shell-Thick	SLU-SISMICA	-13.2762	1.0198	5.87	10.58
182	Shell-Thick	SLU-SISMICA	-14.1224	0.0077	5.87	9.32
182	Shell-Thick	SLU-SISMICA	-13.7639	-0.5486	5.39	9.32
182	Shell-Thick	SLE-RARA	-6.7315	-0.5376	1.60	2.58
182	Shell-Thick	SLE-RARA	-6.9638	-0.3842	1.74	2.58
182	Shell-Thick	SLE-RARA	-7.2144	-0.7346	1.74	2.22
182	Shell-Thick	SLE-RARA	-6.9806	-0.8592	1.60	2.22
182	Shell-Thick	SLE-FREQ.	-6.2543	-0.6115	1.30	1.96
182	Shell-Thick	SLE-FREQ.	-6.4770	-0.4925	1.42	1.96
182	Shell-Thick	SLE-FREQ.	-6.6817	-0.7918	1.42	1.67
182	Shell-Thick	SLE-FREQ.	-6.4576	-0.8831	1.30	1.67
182	Shell-Thick	SLE-QP	-4.8227	-0.8334	0.43	0.11
182	Shell-Thick	SLE-QP	-5.0167	-0.8172	0.46	0.11
182	Shell-Thick	SLE-QP	-5.0836	-0.9635	0.46	2.290E-02
182	Shell-Thick	SLE-QP	-4.8883	-0.9550	0.43	2.290E-02
183	Shell-Thick	SLU-STATICA	-9.9331	-1.1910	0.82	3.31
183	Shell-Thick	SLU-STATICA	-10.0093	-0.9448	0.96	3.31
183	Shell-Thick	SLU-STATICA	-10.1465	-1.2911	0.96	2.96
183	Shell-Thick	SLU-STATICA	-10.0636	-1.4090	0.82	2.96
183	Shell-Thick	SLU-SISMICA	-14.2540	-0.6362	3.18	9.32
183	Shell-Thick	SLU-SISMICA	-14.2757	-0.0334	3.60	9.32
183	Shell-Thick	SLU-SISMICA	-14.7887	-0.7645	3.60	8.23
183	Shell-Thick	SLU-SISMICA	-14.7572	-1.1800	3.18	8.23
183	Shell-Thick	SLE-RARA	-7.3114	-0.9301	0.51	2.21
183	Shell-Thick	SLE-RARA	-7.3718	-0.7613	0.60	2.21
183	Shell-Thick	SLE-RARA	-7.4571	-1.0046	0.60	1.98
183	Shell-Thick	SLE-RARA	-7.3917	-1.0790	0.51	1.98
183	Shell-Thick	SLE-FREQ.	-6.7760	-0.9528	0.30	1.66
183	Shell-Thick	SLE-FREQ.	-6.8395	-0.8174	0.36	1.66
183	Shell-Thick	SLE-FREQ.	-6.8917	-1.0231	0.36	1.50
183	Shell-Thick	SLE-FREQ.	-6.8238	-1.0713	0.30	1.50
183	Shell-Thick	SLE-QP	-5.1699	-1.0207	-0.32	1.768E-02
183	Shell-Thick	SLE-QP	-5.2423	-0.9858	-0.33	1.768E-02
183	Shell-Thick	SLE-QP	-5.1957	-1.0786	-0.33	5.471E-02
183	Shell-Thick	SLE-QP	-5.1199	-1.0479	-0.32	5.471E-02
184	Shell-Thick	SLU-STATICA	-10.3948	-1.4964	-0.47	2.95
184	Shell-Thick	SLU-STATICA	-10.5624	-1.3532	-0.41	2.95
184	Shell-Thick	SLU-STATICA	-10.4948	-1.5990	-0.41	2.79
184	Shell-Thick	SLU-STATICA	-10.3296	-1.7890	-0.47	2.79
184	Shell-Thick	SLU-SISMICA	-15.0727	-1.2534	1.20	8.22
184	Shell-Thick	SLU-SISMICA	-15.2573	-0.8478	1.54	8.22
184	Shell-Thick	SLU-SISMICA	-15.4604	-1.4760	1.54	7.33
184	Shell-Thick	SLU-SISMICA	-15.2803	-1.9727	1.20	7.33
184	Shell-Thick	SLE-RARA	-7.6435	-1.1459	-0.44	1.97
184	Shell-Thick	SLE-RARA	-7.7696	-1.0505	-0.41	1.97
184	Shell-Thick	SLE-RARA	-7.7049	-1.2178	-0.41	1.89
184	Shell-Thick	SLE-RARA	-7.5805	-1.3464	-0.44	1.89
184	Shell-Thick	SLE-FREQ.	-7.0706	-1.1377	-0.57	1.49
184	Shell-Thick	SLE-FREQ.	-7.1922	-1.0661	-0.56	1.49
184	Shell-Thick	SLE-FREQ.	-7.1068	-1.1979	-0.56	1.47

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184	Shell-Thick	SLE-FREQ.	-6.9867	-1.2981	-0.57	1.47
184	Shell-Thick	SLE-QP	-5.3519	-1.1128	-0.95	4.593E-02
184	Shell-Thick	SLE-QP	-5.4600	-1.1130	-1.01	4.593E-02
184	Shell-Thick	SLE-QP	-5.3127	-1.1381	-1.01	0.21
184	Shell-Thick	SLE-QP	-5.2055	-1.1532	-0.95	0.21
185	Shell-Thick	SLU-STATICA	-10.9434	-1.8993	-1.69	2.80
185	Shell-Thick	SLU-STATICA	-10.9492	-1.7024	-1.65	2.80
185	Shell-Thick	SLU-STATICA	-10.7008	-1.5534	-1.65	2.69
185	Shell-Thick	SLU-STATICA	-10.6910	-1.6749	-1.69	2.69
185	Shell-Thick	SLU-SISMICA	-16.0176	-2.0769	-0.71	7.35
185	Shell-Thick	SLU-SISMICA	-15.9830	-1.6238	-0.37	7.35
185	Shell-Thick	SLU-SISMICA	-15.9047	-1.5891	-0.37	6.46
185	Shell-Thick	SLU-SISMICA	-15.9337	-1.9368	-0.71	6.46
185	Shell-Thick	SLE-RARA	-8.0394	-1.4303	-1.33	1.89
185	Shell-Thick	SLE-RARA	-8.0458	-1.2939	-1.31	1.89
185	Shell-Thick	SLE-RARA	-7.8491	-1.1753	-1.31	1.85
185	Shell-Thick	SLE-RARA	-7.8398	-1.2561	-1.33	1.85
185	Shell-Thick	SLE-FREQ.	-7.4242	-1.3804	-1.38	1.47
185	Shell-Thick	SLE-FREQ.	-7.4338	-1.2684	-1.39	1.47
185	Shell-Thick	SLE-FREQ.	-7.2279	-1.1434	-1.39	1.50
185	Shell-Thick	SLE-FREQ.	-7.2157	-1.2036	-1.38	1.50
185	Shell-Thick	SLE-QP	-5.5786	-1.2309	-1.52	0.21
185	Shell-Thick	SLE-QP	-5.5976	-1.1921	-1.61	0.21
185	Shell-Thick	SLE-QP	-5.3643	-1.0476	-1.61	0.43
185	Shell-Thick	SLE-QP	-5.3432	-1.0461	-1.52	0.43
186	Shell-Thick	SLU-STATICA	-11.3355	-1.7924	-2.70	2.70
186	Shell-Thick	SLU-STATICA	-11.3393	-1.6925	-2.71	2.70
186	Shell-Thick	SLU-STATICA	-10.9309	-1.7537	-2.71	2.72
186	Shell-Thick	SLU-STATICA	-10.9329	-1.9679	-2.70	2.72
186	Shell-Thick	SLU-SISMICA	-16.7123	-2.0479	-2.32	6.48
186	Shell-Thick	SLU-SISMICA	-16.6956	-1.7919	-2.01	6.48
186	Shell-Thick	SLU-SISMICA	-16.3661	-2.1353	-2.01	5.66
186	Shell-Thick	SLU-SISMICA	-16.3926	-2.5835	-2.32	5.66
186	Shell-Thick	SLE-RARA	-8.3214	-1.3454	-2.06	1.86
186	Shell-Thick	SLE-RARA	-8.3254	-1.2775	-2.09	1.86
186	Shell-Thick	SLE-RARA	-8.0119	-1.3098	-2.09	1.91
186	Shell-Thick	SLE-RARA	-8.0123	-1.4605	-2.06	1.91
186	Shell-Thick	SLE-FREQ.	-7.6744	-1.2912	-2.04	1.50
186	Shell-Thick	SLE-FREQ.	-7.6799	-1.2379	-2.09	1.50
186	Shell-Thick	SLE-FREQ.	-7.3677	-1.2462	-2.09	1.62
186	Shell-Thick	SLE-FREQ.	-7.3660	-1.3739	-2.04	1.62
186	Shell-Thick	SLE-QP	-5.7332	-1.1287	-1.99	0.43
186	Shell-Thick	SLE-QP	-5.7435	-1.1189	-2.11	0.43
186	Shell-Thick	SLE-QP	-5.4351	-1.0552	-2.11	0.75
186	Shell-Thick	SLE-QP	-5.4273	-1.1141	-1.99	0.75
187	Shell-Thick	SLU-STATICA	-12.0110	-2.1674	-3.82	2.72
187	Shell-Thick	SLU-STATICA	-12.0952	-2.0027	-3.80	2.72
187	Shell-Thick	SLU-STATICA	-11.5238	-1.2115	-3.80	2.69
187	Shell-Thick	SLU-STATICA	-11.4388	-1.3609	-3.82	2.69
187	Shell-Thick	SLU-SISMICA	-17.7973	-2.8131	-4.03	5.69
187	Shell-Thick	SLU-SISMICA	-17.9425	-2.5019	-3.66	5.69
187	Shell-Thick	SLU-SISMICA	-17.3662	-1.5078	-3.66	4.73
187	Shell-Thick	SLU-SISMICA	-17.2199	-1.8009	-4.03	4.73
187	Shell-Thick	SLE-RARA	-8.8129	-1.6101	-2.88	1.92
187	Shell-Thick	SLE-RARA	-8.8736	-1.4927	-2.89	1.92
187	Shell-Thick	SLE-RARA	-8.4409	-0.9032	-2.89	1.94
187	Shell-Thick	SLE-RARA	-8.3796	-1.0093	-2.88	1.94
187	Shell-Thick	SLE-FREQ.	-8.1201	-1.5173	-2.79	1.63
187	Shell-Thick	SLE-FREQ.	-8.1743	-1.4148	-2.83	1.63
187	Shell-Thick	SLE-FREQ.	-7.7527	-0.8566	-2.83	1.72
187	Shell-Thick	SLE-FREQ.	-7.6979	-0.9482	-2.79	1.72
187	Shell-Thick	SLE-QP	-6.0416	-1.2391	-2.53	0.75
187	Shell-Thick	SLE-QP	-6.0763	-1.1814	-2.65	0.75
187	Shell-Thick	SLE-QP	-5.6879	-0.7167	-2.65	1.08
187	Shell-Thick	SLE-QP	-5.6528	-0.7651	-2.53	1.08
188	Shell-Thick	SLU-STATICA	-13.7600	-1.7261	-5.19	2.74
188	Shell-Thick	SLU-STATICA	-13.1689	-1.6395	-4.86	2.74
188	Shell-Thick	SLU-STATICA	-12.5078	-0.4044	-4.86	1.97
188	Shell-Thick	SLU-STATICA	-13.0993	-0.5904	-5.19	1.97

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188	Shell-Thick	SLU-SISMICA	-20.4968	-2.2812	-5.89	4.81
188	Shell-Thick	SLU-SISMICA	-19.6491	-2.1395	-5.02	4.81
188	Shell-Thick	SLU-SISMICA	-18.9314	-0.5156	-5.02	2.83
188	Shell-Thick	SLU-SISMICA	-19.7798	-0.8167	-5.89	2.83
188	Shell-Thick	SLE-RARA	-10.0908	-1.2803	-3.90	1.97
188	Shell-Thick	SLE-RARA	-9.6557	-1.2174	-3.67	1.97
188	Shell-Thick	SLE-RARA	-9.1575	-0.3009	-3.67	1.45
188	Shell-Thick	SLE-RARA	-9.5930	-0.4361	-3.90	1.45
188	Shell-Thick	SLE-FREQ.	-9.2884	-1.2031	-3.75	1.75
188	Shell-Thick	SLE-FREQ.	-8.8851	-1.1463	-3.57	1.75
188	Shell-Thick	SLE-FREQ.	-8.4039	-0.2843	-3.57	1.34
188	Shell-Thick	SLE-FREQ.	-8.8075	-0.4068	-3.75	1.34
188	Shell-Thick	SLE-QP	-6.8811	-0.9715	-3.29	1.09
188	Shell-Thick	SLE-QP	-6.5732	-0.9330	-3.26	1.09
188	Shell-Thick	SLE-QP	-6.1428	-0.2346	-3.26	1.02
188	Shell-Thick	SLE-QP	-6.4509	-0.3187	-3.29	1.02
189	Shell-Thick	SLU-STATICA	18.2036	6.6359	19.03	34.51
189	Shell-Thick	SLU-STATICA	20.8351	9.2948	21.91	34.51
189	Shell-Thick	SLU-STATICA	17.7446	9.4744	21.91	29.53
189	Shell-Thick	SLU-STATICA	15.1514	6.5620	19.03	29.53
189	Shell-Thick	SLU-SISMICA	27.9073	13.6036	27.96	52.99
189	Shell-Thick	SLU-SISMICA	31.8688	17.7649	31.66	52.99
189	Shell-Thick	SLU-SISMICA	27.3699	17.9028	31.66	46.60
189	Shell-Thick	SLU-SISMICA	23.4599	13.4007	27.96	46.60
189	Shell-Thick	SLE-RARA	13.3100	4.6811	13.97	25.23
189	Shell-Thick	SLE-RARA	15.2378	6.6210	16.12	25.23
189	Shell-Thick	SLE-RARA	12.9662	6.7592	16.12	21.52
189	Shell-Thick	SLE-RARA	11.0668	4.6315	13.97	21.52
189	Shell-Thick	SLE-FREQ.	12.1844	3.9931	12.89	23.09
189	Shell-Thick	SLE-FREQ.	13.9553	5.7617	14.92	23.09
189	Shell-Thick	SLE-FREQ.	11.8555	5.8999	14.92	19.59
189	Shell-Thick	SLE-FREQ.	10.1112	3.9553	12.89	19.59
189	Shell-Thick	SLE-QP	8.8075	1.9290	9.66	16.67
189	Shell-Thick	SLE-QP	10.1079	3.1837	11.32	16.67
189	Shell-Thick	SLE-QP	8.5234	3.3219	11.32	13.79
189	Shell-Thick	SLE-QP	7.2442	1.9267	9.66	13.79
190	Shell-Thick	SLU-STATICA	14.9921	6.6877	19.33	29.64
190	Shell-Thick	SLU-STATICA	16.3168	9.0313	22.27	29.64
190	Shell-Thick	SLU-STATICA	13.1932	8.7811	22.27	24.56
190	Shell-Thick	SLU-STATICA	11.8738	6.4096	19.33	24.56
190	Shell-Thick	SLU-SISMICA	23.1807	13.5239	28.40	46.72
190	Shell-Thick	SLU-SISMICA	25.2376	17.2972	32.22	46.72
190	Shell-Thick	SLU-SISMICA	20.6882	16.7344	32.22	40.13
190	Shell-Thick	SLU-SISMICA	18.6342	12.9517	28.40	40.13
190	Shell-Thick	SLE-RARA	10.9521	4.7269	14.20	21.61
190	Shell-Thick	SLE-RARA	11.9194	6.4315	16.38	21.61
190	Shell-Thick	SLE-RARA	9.6235	6.2576	16.38	17.84
190	Shell-Thick	SLE-RARA	8.6604	4.5309	14.20	17.84
190	Shell-Thick	SLE-FREQ.	10.0091	4.0486	13.10	19.67
190	Shell-Thick	SLE-FREQ.	10.8924	5.5936	15.16	19.67
190	Shell-Thick	SLE-FREQ.	8.7703	5.4497	15.16	16.12
190	Shell-Thick	SLE-FREQ.	7.8913	3.8815	13.10	16.12
190	Shell-Thick	SLE-QP	7.1802	2.0135	9.81	13.86
190	Shell-Thick	SLE-QP	7.8114	3.0799	11.49	13.86
190	Shell-Thick	SLE-QP	6.2106	3.0260	11.49	10.96
190	Shell-Thick	SLE-QP	5.5840	1.9335	9.81	10.96
191	Shell-Thick	SLU-STATICA	10.4532	6.2924	18.54	24.67
191	Shell-Thick	SLU-STATICA	11.3275	8.2412	21.22	24.67
191	Shell-Thick	SLU-STATICA	8.3446	8.3299	21.22	20.05
191	Shell-Thick	SLU-STATICA	7.4704	6.3878	18.54	20.05
191	Shell-Thick	SLU-SISMICA	16.5151	12.7275	27.38	40.27
191	Shell-Thick	SLU-SISMICA	17.9539	15.9879	30.89	40.27
191	Shell-Thick	SLU-SISMICA	13.5852	15.9015	30.89	34.21
191	Shell-Thick	SLU-SISMICA	12.1416	12.6834	27.38	34.21
191	Shell-Thick	SLE-RARA	7.6187	4.4473	13.61	17.92
191	Shell-Thick	SLE-RARA	8.2531	5.8587	15.60	17.92
191	Shell-Thick	SLE-RARA	6.0619	5.9346	15.60	14.49
191	Shell-Thick	SLE-RARA	5.4279	4.5266	13.61	14.49
191	Shell-Thick	SLE-FREQ.	6.9327	3.8088	12.55	16.20

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191	Shell-Thick	SLE-FREQ.	7.5051	5.0776	14.42	16.20
191	Shell-Thick	SLE-FREQ.	5.4818	5.1660	14.42	12.97
191	Shell-Thick	SLE-FREQ.	4.9102	3.8976	12.55	12.97
191	Shell-Thick	SLE-QP	4.8747	1.8933	9.36	11.03
191	Shell-Thick	SLE-QP	5.2609	2.7343	10.88	11.03
191	Shell-Thick	SLE-QP	3.7414	2.8603	10.88	8.41
191	Shell-Thick	SLE-QP	3.3570	2.0107	9.36	8.41
192	Shell-Thick	SLU-STATICA	6.2395	6.1874	17.07	20.08
192	Shell-Thick	SLU-STATICA	6.0504	7.8253	19.36	20.08
192	Shell-Thick	SLU-STATICA	3.3261	7.1254	19.36	16.13
192	Shell-Thick	SLU-STATICA	3.4979	5.6128	17.07	16.13
192	Shell-Thick	SLU-SISMICA	10.3509	12.3526	25.48	34.22
192	Shell-Thick	SLU-SISMICA	10.2477	15.2068	28.52	34.22
192	Shell-Thick	SLU-SISMICA	6.2115	13.9129	28.52	28.97
192	Shell-Thick	SLU-SISMICA	6.2851	11.2697	25.48	28.97
192	Shell-Thick	SLE-RARA	4.5231	4.3813	12.52	14.51
192	Shell-Thick	SLE-RARA	4.3755	5.5617	14.21	14.51
192	Shell-Thick	SLE-RARA	2.3766	5.0610	14.21	11.59
192	Shell-Thick	SLE-RARA	2.5116	3.9712	12.52	11.59
192	Shell-Thick	SLE-FREQ.	4.0737	3.7666	11.52	12.99
192	Shell-Thick	SLE-FREQ.	3.9226	4.8180	13.11	12.99
192	Shell-Thick	SLE-FREQ.	2.0809	4.3784	13.11	10.24
192	Shell-Thick	SLE-FREQ.	2.2207	3.4084	11.52	10.24
192	Shell-Thick	SLE-QP	2.7255	1.9225	8.52	8.43
192	Shell-Thick	SLE-QP	2.5642	2.5867	9.80	8.43
192	Shell-Thick	SLE-QP	1.1937	2.3306	9.80	6.22
192	Shell-Thick	SLE-QP	1.3477	1.7199	8.52	6.22
193	Shell-Thick	SLU-STATICA	2.0859	5.4252	15.00	16.19
193	Shell-Thick	SLU-STATICA	1.9623	6.7578	16.88	16.19
193	Shell-Thick	SLU-STATICA	-0.4204	5.8797	16.88	12.94
193	Shell-Thick	SLU-STATICA	-0.3151	4.6782	15.00	12.94
193	Shell-Thick	SLU-SISMICA	4.2548	10.9740	22.81	29.04
193	Shell-Thick	SLU-SISMICA	4.2856	13.4173	25.37	29.04
193	Shell-Thick	SLU-SISMICA	0.6868	11.8605	25.37	24.62
193	Shell-Thick	SLU-SISMICA	0.6253	9.6354	22.81	24.62
193	Shell-Thick	SLE-RARA	1.4725	3.8344	10.98	11.63
193	Shell-Thick	SLE-RARA	1.3711	4.7888	12.37	11.63
193	Shell-Thick	SLE-RARA	-0.3737	4.1573	12.37	9.22
193	Shell-Thick	SLE-RARA	-0.2856	3.2979	10.98	9.22
193	Shell-Thick	SLE-FREQ.	1.2580	3.2839	10.06	10.29
193	Shell-Thick	SLE-FREQ.	1.1464	4.1235	11.37	10.29
193	Shell-Thick	SLE-FREQ.	-0.4555	3.5633	11.37	8.03
193	Shell-Thick	SLE-FREQ.	-0.3559	2.8092	10.06	8.03
193	Shell-Thick	SLE-QP	0.6143	1.6322	7.33	6.26
193	Shell-Thick	SLE-QP	0.4722	2.1274	8.36	6.26
193	Shell-Thick	SLE-QP	-0.7009	1.7812	8.36	4.47
193	Shell-Thick	SLE-QP	-0.5666	1.3431	7.33	4.47
194	Shell-Thick	SLU-STATICA	-1.0278	4.5359	12.74	12.93
194	Shell-Thick	SLU-STATICA	-1.6839	5.6268	14.24	12.93
194	Shell-Thick	SLU-STATICA	-3.6967	4.4888	14.24	10.34
194	Shell-Thick	SLU-STATICA	-3.0631	3.5556	12.74	10.34
194	Shell-Thick	SLU-SISMICA	-0.3327	9.4217	19.87	24.60
194	Shell-Thick	SLU-SISMICA	-1.0813	11.5289	21.96	24.60
194	Shell-Thick	SLU-SISMICA	-4.2020	9.5666	21.96	20.98
194	Shell-Thick	SLU-SISMICA	-3.4890	7.7083	19.87	20.98
194	Shell-Thick	SLE-RARA	-0.8134	3.1936	9.30	9.22
194	Shell-Thick	SLE-RARA	-1.3060	3.9696	10.41	9.22
194	Shell-Thick	SLE-RARA	-2.7760	3.1484	10.41	7.30
194	Shell-Thick	SLE-RARA	-2.2998	2.4874	9.30	7.30
194	Shell-Thick	SLE-FREQ.	-0.8505	2.7133	8.48	8.03
194	Shell-Thick	SLE-FREQ.	-1.3233	3.3866	9.51	8.03
194	Shell-Thick	SLE-FREQ.	-2.6660	2.6535	9.51	6.25
194	Shell-Thick	SLE-FREQ.	-2.2081	2.0847	8.48	6.25
194	Shell-Thick	SLE-QP	-0.9617	1.2725	6.04	4.47
194	Shell-Thick	SLE-QP	-1.3753	1.6379	6.84	4.47
194	Shell-Thick	SLE-QP	-2.3361	1.1687	6.84	3.08
194	Shell-Thick	SLE-QP	-1.9329	0.8769	6.04	3.08
195	Shell-Thick	SLU-STATICA	-3.8136	3.4546	10.44	10.36
195	Shell-Thick	SLU-STATICA	-4.1677	4.3456	11.63	10.36

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195	Shell-Thick	SLU-STATICA	-5.8126	3.1049	11.63	8.31
195	Shell-Thick	SLU-STATICA	-5.4811	2.3718	10.44	8.31
195	Shell-Thick	SLU-SISMICA	-4.4892	7.5685	16.83	21.02
195	Shell-Thick	SLU-SISMICA	-4.7783	9.3910	18.56	21.02
195	Shell-Thick	SLU-SISMICA	-7.4153	7.2900	18.56	18.03
195	Shell-Thick	SLU-SISMICA	-7.1618	5.7155	16.83	18.03
195	Shell-Thick	SLE-RARA	-2.8560	2.4127	7.60	7.32
195	Shell-Thick	SLE-RARA	-3.1276	3.0415	8.47	7.32
195	Shell-Thick	SLE-RARA	-4.3245	2.1442	8.47	5.81
195	Shell-Thick	SLE-RARA	-4.0695	1.6306	7.60	5.81
195	Shell-Thick	SLE-FREQ.	-2.7301	2.0151	6.88	6.27
195	Shell-Thick	SLE-FREQ.	-3.0003	2.5518	7.69	6.27
195	Shell-Thick	SLE-FREQ.	-4.0862	1.7474	7.69	4.87
195	Shell-Thick	SLE-FREQ.	-3.8310	1.3156	6.88	4.87
195	Shell-Thick	SLE-QP	-2.3523	0.8224	4.75	3.10
195	Shell-Thick	SLE-QP	-2.6184	1.0829	5.36	3.10
195	Shell-Thick	SLE-QP	-3.3712	0.5570	5.36	2.04
195	Shell-Thick	SLE-QP	-3.1157	0.3706	4.75	2.04
196	Shell-Thick	SLU-STATICA	-5.7059	2.3047	8.22	8.29
196	Shell-Thick	SLU-STATICA	-6.3387	3.0218	9.11	8.29
196	Shell-Thick	SLU-STATICA	-7.6297	1.9801	9.11	6.74
196	Shell-Thick	SLU-STATICA	-7.0151	1.3903	8.22	6.74
196	Shell-Thick	SLU-SISMICA	-7.3572	5.6379	13.83	18.00
196	Shell-Thick	SLU-SISMICA	-8.0724	7.1971	15.21	18.00
196	Shell-Thick	SLU-SISMICA	-10.2374	5.3738	15.21	15.62
196	Shell-Thick	SLU-SISMICA	-9.5499	4.0083	13.83	15.62
196	Shell-Thick	SLE-RARA	-4.2413	1.5803	5.95	5.80
196	Shell-Thick	SLE-RARA	-4.7167	2.0817	6.60	5.80
196	Shell-Thick	SLE-RARA	-5.6514	1.3313	6.60	4.66
196	Shell-Thick	SLE-RARA	-5.1893	0.9230	5.95	4.66
196	Shell-Thick	SLE-FREQ.	-4.0010	1.2674	5.34	4.86
196	Shell-Thick	SLE-FREQ.	-4.4579	1.6873	5.94	4.86
196	Shell-Thick	SLE-FREQ.	-5.2977	1.0196	5.94	3.82
196	Shell-Thick	SLE-FREQ.	-4.8530	0.6851	5.34	3.82
196	Shell-Thick	SLE-QP	-3.2802	0.3288	3.51	2.03
196	Shell-Thick	SLE-QP	-3.6816	0.5039	3.95	2.03
196	Shell-Thick	SLE-QP	-4.2368	0.0844	3.95	1.28
196	Shell-Thick	SLE-QP	-3.8442	-0.0286	3.51	1.28
197	Shell-Thick	SLU-STATICA	-7.3865	1.3376	6.14	6.75
197	Shell-Thick	SLU-STATICA	-7.7125	1.9419	6.83	6.75
197	Shell-Thick	SLU-STATICA	-8.6756	0.8468	6.83	5.56
197	Shell-Thick	SLU-STATICA	-8.3697	0.3806	6.14	5.56
197	Shell-Thick	SLU-SISMICA	-9.9558	3.9621	10.99	15.64
197	Shell-Thick	SLU-SISMICA	-10.2231	5.3417	12.13	15.64
197	Shell-Thick	SLU-SISMICA	-11.9424	3.4571	12.13	13.67
197	Shell-Thick	SLU-SISMICA	-11.7053	2.2872	10.99	13.67
197	Shell-Thick	SLE-RARA	-5.4690	0.8828	4.41	4.67
197	Shell-Thick	SLE-RARA	-5.7189	1.3021	4.91	4.67
197	Shell-Thick	SLE-RARA	-6.4111	0.5116	4.91	3.81
197	Shell-Thick	SLE-RARA	-6.1758	0.1934	4.41	3.81
197	Shell-Thick	SLE-FREQ.	-5.1231	0.6453	3.91	3.82
197	Shell-Thick	SLE-FREQ.	-5.3716	0.9906	4.35	3.82
197	Shell-Thick	SLE-FREQ.	-5.9845	0.2845	4.35	3.05
197	Shell-Thick	SLE-FREQ.	-5.7494	0.0320	3.91	3.05
197	Shell-Thick	SLE-QP	-4.0851	-0.0670	2.38	1.28
197	Shell-Thick	SLE-QP	-4.3296	0.0560	2.68	1.28
197	Shell-Thick	SLE-QP	-4.7049	-0.3969	2.68	0.77
197	Shell-Thick	SLE-QP	-4.4702	-0.4524	2.38	0.77
198	Shell-Thick	SLU-STATICA	-8.4538	0.3396	4.22	5.54
198	Shell-Thick	SLU-STATICA	-8.9159	0.8229	4.70	5.54
198	Shell-Thick	SLU-STATICA	-9.5795	0.1016	4.70	4.71
198	Shell-Thick	SLU-STATICA	-9.1282	-0.3065	4.22	4.71
198	Shell-Thick	SLU-SISMICA	-11.6644	2.2678	8.30	13.65
198	Shell-Thick	SLU-SISMICA	-12.1598	3.4412	9.20	13.65
198	Shell-Thick	SLU-SISMICA	-13.4649	2.0923	9.20	12.09
198	Shell-Thick	SLU-SISMICA	-12.9848	1.0266	8.30	12.09
198	Shell-Thick	SLE-RARA	-6.2458	0.1613	2.99	3.79
198	Shell-Thick	SLE-RARA	-6.5943	0.4931	3.34	3.79
198	Shell-Thick	SLE-RARA	-7.0651	-0.0222	3.34	3.20

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198	Shell-Thick	SLE-RARA	-6.7246	-0.2987	2.99	3.20
198	Shell-Thick	SLE-FREQ.	-5.8280	-0.0011	2.58	3.03
198	Shell-Thick	SLE-FREQ.	-6.1651	0.2658	2.88	3.03
198	Shell-Thick	SLE-FREQ.	-6.5716	-0.1852	2.88	2.51
198	Shell-Thick	SLE-FREQ.	-6.2419	-0.4009	2.58	2.51
198	Shell-Thick	SLE-QP	-4.5744	-0.4885	1.36	0.75
198	Shell-Thick	SLE-QP	-4.8776	-0.4162	1.53	0.75
198	Shell-Thick	SLE-QP	-5.0911	-0.6744	1.53	0.46
198	Shell-Thick	SLE-QP	-4.7936	-0.7075	1.36	0.46
199	Shell-Thick	SLU-STATICA	-9.4214	-0.3542	2.50	4.71
199	Shell-Thick	SLU-STATICA	-9.6340	0.0797	2.85	4.71
199	Shell-Thick	SLU-STATICA	-10.0278	-0.6549	2.85	4.11
199	Shell-Thick	SLU-STATICA	-9.8298	-0.9881	2.50	4.11
199	Shell-Thick	SLU-SISMICA	-13.2489	1.0053	5.84	12.11
199	Shell-Thick	SLU-SISMICA	-13.3938	2.0750	6.60	12.11
199	Shell-Thick	SLU-SISMICA	-14.3163	0.7299	6.60	10.79
199	Shell-Thick	SLU-SISMICA	-14.1926	-0.1925	5.84	10.79
199	Shell-Thick	SLE-RARA	-6.9482	-0.3361	1.73	3.20
199	Shell-Thick	SLE-RARA	-7.1127	-0.0390	1.97	3.20
199	Shell-Thick	SLE-RARA	-7.3848	-0.5652	1.97	2.78
199	Shell-Thick	SLE-RARA	-7.2311	-0.7884	1.73	2.78
199	Shell-Thick	SLE-FREQ.	-6.4624	-0.4396	1.41	2.51
199	Shell-Thick	SLE-FREQ.	-6.6283	-0.2020	1.61	2.51
199	Shell-Thick	SLE-FREQ.	-6.8503	-0.6651	1.61	2.16
199	Shell-Thick	SLE-FREQ.	-6.6942	-0.8343	1.41	2.16
199	Shell-Thick	SLE-QP	-5.0048	-0.7499	0.46	0.45
199	Shell-Thick	SLE-QP	-5.1753	-0.6910	0.54	0.45
199	Shell-Thick	SLE-QP	-5.2468	-0.9647	0.54	0.31
199	Shell-Thick	SLE-QP	-5.0838	-0.9722	0.46	0.31
200	Shell-Thick	SLU-STATICA	-10.0167	-1.0391	0.95	4.10
200	Shell-Thick	SLU-STATICA	-10.2622	-0.6881	1.16	4.10
200	Shell-Thick	SLU-STATICA	-10.4188	-1.0533	1.16	3.73
200	Shell-Thick	SLU-STATICA	-10.1763	-1.3828	0.95	3.73
200	Shell-Thick	SLU-SISMICA	-14.2830	-0.2113	3.56	10.79
200	Shell-Thick	SLU-SISMICA	-14.5085	0.6921	4.18	10.79
200	Shell-Thick	SLU-SISMICA	-15.0878	-0.1242	4.18	9.73
200	Shell-Thick	SLU-SISMICA	-14.8652	-1.0055	3.56	9.73
200	Shell-Thick	SLE-RARA	-7.3774	-0.8286	0.59	2.77
200	Shell-Thick	SLE-RARA	-7.5645	-0.5902	0.73	2.77
200	Shell-Thick	SLE-RARA	-7.6621	-0.8444	0.73	2.52
200	Shell-Thick	SLE-RARA	-7.4774	-1.0666	0.59	2.52
200	Shell-Thick	SLE-FREQ.	-6.8449	-0.8762	0.36	2.15
200	Shell-Thick	SLE-FREQ.	-7.0290	-0.6890	0.46	2.15
200	Shell-Thick	SLE-FREQ.	-7.0895	-0.9000	0.46	1.97
200	Shell-Thick	SLE-FREQ.	-6.9077	-1.0713	0.36	1.97
200	Shell-Thick	SLE-QP	-5.2474	-1.0190	-0.33	0.30
200	Shell-Thick	SLE-QP	-5.4226	-0.9857	-0.33	0.30
200	Shell-Thick	SLE-QP	-5.3716	-1.0666	-0.33	0.30
200	Shell-Thick	SLE-QP	-5.1986	-1.0854	-0.33	0.30
201	Shell-Thick	SLU-STATICA	-10.5729	-1.4529	-0.42	3.73
201	Shell-Thick	SLU-STATICA	-10.6536	-1.1095	-0.27	3.73
201	Shell-Thick	SLU-STATICA	-10.5969	-1.4199	-0.27	3.47
201	Shell-Thick	SLU-STATICA	-10.5250	-1.7032	-0.42	3.47
201	Shell-Thick	SLU-SISMICA	-15.2614	-1.0466	1.50	9.75
201	Shell-Thick	SLU-SISMICA	-15.2716	-0.1992	2.06	9.75
201	Shell-Thick	SLU-SISMICA	-15.5328	-0.9036	2.06	8.78
201	Shell-Thick	SLU-SISMICA	-15.5345	-1.6682	1.50	8.78
201	Shell-Thick	SLE-RARA	-7.7779	-1.1211	-0.42	2.53
201	Shell-Thick	SLE-RARA	-7.8425	-0.8860	-0.32	2.53
201	Shell-Thick	SLE-RARA	-7.7837	-1.1017	-0.32	2.37
201	Shell-Thick	SLE-RARA	-7.7256	-1.2923	-0.42	2.37
201	Shell-Thick	SLE-FREQ.	-7.2008	-1.1269	-0.56	1.97
201	Shell-Thick	SLE-FREQ.	-7.2697	-0.9390	-0.51	1.97
201	Shell-Thick	SLE-FREQ.	-7.1862	-1.1169	-0.51	1.87
201	Shell-Thick	SLE-FREQ.	-7.1234	-1.2633	-0.56	1.87
201	Shell-Thick	SLE-QP	-5.4696	-1.1441	-1.01	0.30
201	Shell-Thick	SLE-QP	-5.5510	-1.0979	-1.06	0.30
201	Shell-Thick	SLE-QP	-5.3935	-1.1627	-1.06	0.39
201	Shell-Thick	SLE-QP	-5.3169	-1.1764	-1.01	0.39



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202	Shell-Thick	SLU-STATICA	-10.9818	-1.7901	-1.63	3.48
202	Shell-Thick	SLU-STATICA	-10.9963	-1.5043	-1.56	3.48
202	Shell-Thick	SLU-STATICA	-10.7585	-1.5194	-1.56	3.35
202	Shell-Thick	SLU-STATICA	-10.7406	-1.8276	-1.63	3.35
202	Shell-Thick	SLU-SISMICA	-16.0118	-1.7288	-0.36	8.80
202	Shell-Thick	SLU-SISMICA	-15.9555	-1.0230	0.13	8.80
202	Shell-Thick	SLU-SISMICA	-15.9416	-1.3069	0.13	7.96
202	Shell-Thick	SLU-SISMICA	-15.9909	-2.0590	-0.36	7.96
202	Shell-Thick	SLE-RARA	-8.0707	-1.3594	-1.30	2.37
202	Shell-Thick	SLE-RARA	-8.0852	-1.1639	-1.27	2.37
202	Shell-Thick	SLE-RARA	-7.8938	-1.1619	-1.27	2.31
202	Shell-Thick	SLE-RARA	-7.8769	-1.3733	-1.30	2.31
202	Shell-Thick	SLE-FREQ.	-7.4583	-1.3310	-1.37	1.87
202	Shell-Thick	SLE-FREQ.	-7.4783	-1.1747	-1.37	1.87
202	Shell-Thick	SLE-FREQ.	-7.2733	-1.1507	-1.37	1.88
202	Shell-Thick	SLE-FREQ.	-7.2512	-1.3205	-1.37	1.88
202	Shell-Thick	SLE-QP	-5.6212	-1.2455	-1.59	0.38
202	Shell-Thick	SLE-QP	-5.6576	-1.2073	-1.70	0.38
202	Shell-Thick	SLE-QP	-5.4115	-1.1171	-1.70	0.57
202	Shell-Thick	SLE-QP	-5.3742	-1.1618	-1.59	0.57
203	Shell-Thick	SLU-STATICA	-11.3681	-1.9455	-2.73	3.36
203	Shell-Thick	SLU-STATICA	-11.3620	-1.6477	-2.65	3.36
203	Shell-Thick	SLU-STATICA	-10.9563	-1.5433	-2.65	3.22
203	Shell-Thick	SLU-STATICA	-10.9657	-1.8182	-2.73	3.22
203	Shell-Thick	SLU-SISMICA	-16.7101	-2.1609	-2.08	7.99
203	Shell-Thick	SLU-SISMICA	-16.6644	-1.4933	-1.54	7.99
203	Shell-Thick	SLU-SISMICA	-16.3913	-1.5701	-1.54	7.06
203	Shell-Thick	SLU-SISMICA	-16.4407	-2.2112	-2.08	7.06
203	Shell-Thick	SLE-RARA	-8.3478	-1.4634	-2.10	2.31
203	Shell-Thick	SLE-RARA	-8.3452	-1.2562	-2.07	2.31
203	Shell-Thick	SLE-RARA	-8.0312	-1.1681	-2.07	2.25
203	Shell-Thick	SLE-RARA	-8.0363	-1.3581	-2.10	2.25
203	Shell-Thick	SLE-FREQ.	-7.7030	-1.4096	-2.10	1.88
203	Shell-Thick	SLE-FREQ.	-7.7037	-1.2380	-2.11	1.88
203	Shell-Thick	SLE-FREQ.	-7.3865	-1.1371	-2.11	1.88
203	Shell-Thick	SLE-FREQ.	-7.3882	-1.2923	-2.10	1.88
203	Shell-Thick	SLE-QP	-5.7685	-1.2482	-2.11	0.56
203	Shell-Thick	SLE-QP	-5.7792	-1.1831	-2.23	0.56
203	Shell-Thick	SLE-QP	-5.4525	-1.0441	-2.23	0.77
203	Shell-Thick	SLE-QP	-5.4440	-1.0950	-2.11	0.77
204	Shell-Thick	SLU-STATICA	-12.1071	-2.0110	-3.79	3.25
204	Shell-Thick	SLU-STATICA	-11.8712	-1.7617	-3.66	3.25
204	Shell-Thick	SLU-STATICA	-11.3156	-1.0712	-3.66	3.02
204	Shell-Thick	SLU-STATICA	-11.5447	-1.3669	-3.79	3.02
204	Shell-Thick	SLU-SISMICA	-17.9215	-2.4222	-3.67	7.12
204	Shell-Thick	SLU-SISMICA	-17.5674	-1.8905	-3.03	7.12
204	Shell-Thick	SLU-SISMICA	-17.0709	-1.1059	-3.03	6.02
204	Shell-Thick	SLU-SISMICA	-17.4131	-1.7173	-3.67	6.02
204	Shell-Thick	SLE-RARA	-8.8843	-1.5033	-2.88	2.27
204	Shell-Thick	SLE-RARA	-8.7114	-1.3285	-2.80	2.27
204	Shell-Thick	SLE-RARA	-8.2875	-0.8099	-2.80	2.14
204	Shell-Thick	SLE-RARA	-8.4555	-1.0183	-2.88	2.14
204	Shell-Thick	SLE-FREQ.	-8.1874	-1.4325	-2.82	1.90
204	Shell-Thick	SLE-FREQ.	-8.0285	-1.2851	-2.79	1.90
204	Shell-Thick	SLE-FREQ.	-7.6102	-0.7871	-2.79	1.84
204	Shell-Thick	SLE-FREQ.	-7.7647	-0.9643	-2.82	1.84
204	Shell-Thick	SLE-QP	-6.0967	-1.2199	-2.64	0.77
204	Shell-Thick	SLE-QP	-5.9798	-1.1551	-2.73	0.77
204	Shell-Thick	SLE-QP	-5.5783	-0.7186	-2.73	0.94
204	Shell-Thick	SLE-QP	-5.6925	-0.8026	-2.64	0.94
205	Shell-Thick	SLU-STATICA	-13.1842	-1.6227	-4.84	3.07
205	Shell-Thick	SLU-STATICA	-12.4803	-1.3761	-4.37	3.07
205	Shell-Thick	SLU-STATICA	-11.8720	-0.6425	-4.37	2.35
205	Shell-Thick	SLU-STATICA	-12.5816	-0.8667	-4.84	2.35
205	Shell-Thick	SLU-SISMICA	-19.6308	-2.0294	-5.02	6.11
205	Shell-Thick	SLU-SISMICA	-18.6288	-1.5489	-4.01	6.11
205	Shell-Thick	SLU-SISMICA	-18.0311	-0.6310	-4.01	4.59
205	Shell-Thick	SLU-SISMICA	-19.0407	-1.0808	-5.02	4.59
205	Shell-Thick	SLE-RARA	-9.6690	-1.2093	-3.66	2.17



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205	Shell-Thick	SLE-RARA	-9.1504	-1.0341	-3.33	2.17
205	Shell-Thick	SLE-RARA	-8.6890	-0.4874	-3.33	1.67
205	Shell-Thick	SLE-RARA	-9.2117	-0.6461	-3.66	1.67
205	Shell-Thick	SLE-FREQ.	-8.9008	-1.1461	-3.55	1.87
205	Shell-Thick	SLE-FREQ.	-8.4195	-0.9944	-3.27	1.87
205	Shell-Thick	SLE-FREQ.	-7.9686	-0.4763	-3.27	1.44
205	Shell-Thick	SLE-FREQ.	-8.4538	-0.6125	-3.55	1.44
205	Shell-Thick	SLE-QP	-6.5962	-0.9564	-3.24	0.96
205	Shell-Thick	SLE-QP	-6.2268	-0.8753	-3.11	0.96
205	Shell-Thick	SLE-QP	-5.8074	-0.4431	-3.11	0.77
205	Shell-Thick	SLE-QP	-6.1799	-0.5120	-3.24	0.77
206	Shell-Thick	SLU-STATICA	21.2179	10.7262	21.80	39.02
206	Shell-Thick	SLU-STATICA	23.6791	13.7888	25.28	39.02
206	Shell-Thick	SLU-STATICA	20.1356	12.9195	25.28	33.01
206	Shell-Thick	SLU-STATICA	17.6965	9.7164	21.80	33.01
206	Shell-Thick	SLU-SISMICA	32.3943	19.8539	31.54	58.71
206	Shell-Thick	SLU-SISMICA	36.0625	24.5413	35.99	58.71
206	Shell-Thick	SLU-SISMICA	30.9830	23.1594	35.99	51.03
206	Shell-Thick	SLU-SISMICA	27.3417	18.3006	31.54	51.03
206	Shell-Thick	SLE-RARA	15.5208	7.6729	16.04	28.59
206	Shell-Thick	SLE-RARA	17.3255	9.9126	18.62	28.59
206	Shell-Thick	SLE-RARA	14.7170	9.2794	18.62	24.11
206	Shell-Thick	SLE-RARA	12.9287	6.9348	16.04	24.11
206	Shell-Thick	SLE-FREQ.	14.2196	6.7335	14.84	26.26
206	Shell-Thick	SLE-FREQ.	15.8807	8.7845	17.29	26.26
206	Shell-Thick	SLE-FREQ.	13.4627	8.2091	17.29	22.04
206	Shell-Thick	SLE-FREQ.	11.8173	6.0583	14.84	22.04
206	Shell-Thick	SLE-QP	10.3161	3.9156	11.25	19.29
206	Shell-Thick	SLE-QP	11.5461	5.4003	13.27	19.29
206	Shell-Thick	SLE-QP	9.6998	4.9981	13.27	15.81
206	Shell-Thick	SLE-QP	8.4830	3.4290	11.25	15.81
207	Shell-Thick	SLU-STATICA	16.7216	9.7763	21.97	33.18
207	Shell-Thick	SLU-STATICA	18.6069	12.3588	25.41	33.18
207	Shell-Thick	SLU-STATICA	15.0449	12.6415	25.41	27.25
207	Shell-Thick	SLU-STATICA	13.1745	9.9667	21.97	27.25
207	Shell-Thick	SLU-SISMICA	25.7868	18.3033	31.82	51.24
207	Shell-Thick	SLU-SISMICA	28.6521	22.3795	36.24	51.24
207	Shell-Thick	SLU-SISMICA	23.5385	22.6554	36.24	43.60
207	Shell-Thick	SLU-SISMICA	20.6895	18.4810	31.82	43.60
207	Shell-Thick	SLE-RARA	12.2189	6.9830	16.16	24.24
207	Shell-Thick	SLE-RARA	13.5986	8.8655	18.71	24.24
207	Shell-Thick	SLE-RARA	10.9769	9.0800	18.71	19.83
207	Shell-Thick	SLE-RARA	9.6084	7.1280	16.16	19.83
207	Shell-Thick	SLE-FREQ.	11.1726	6.1101	14.95	22.16
207	Shell-Thick	SLE-FREQ.	12.4378	7.8234	17.36	22.16
207	Shell-Thick	SLE-FREQ.	10.0082	8.0332	17.36	18.00
207	Shell-Thick	SLE-FREQ.	8.7539	6.2525	14.95	18.00
207	Shell-Thick	SLE-QP	8.0339	3.4913	11.33	15.92
207	Shell-Thick	SLE-QP	8.9554	4.6971	13.31	15.92
207	Shell-Thick	SLE-QP	7.1022	4.8926	13.31	12.50
207	Shell-Thick	SLE-QP	6.1904	3.6261	11.33	12.50
208	Shell-Thick	SLU-STATICA	11.7651	9.7548	21.06	27.30
208	Shell-Thick	SLU-STATICA	11.9847	11.9595	24.09	27.30
208	Shell-Thick	SLU-STATICA	8.6056	11.2232	24.09	22.07
208	Shell-Thick	SLU-STATICA	8.3705	9.1336	21.06	22.07
208	Shell-Thick	SLU-SISMICA	18.5475	18.0985	30.68	43.63
208	Shell-Thick	SLU-SISMICA	18.9929	21.7004	34.62	43.63
208	Shell-Thick	SLU-SISMICA	14.1081	20.4032	34.62	36.83
208	Shell-Thick	SLU-SISMICA	13.6345	17.0055	30.68	36.83
208	Shell-Thick	SLE-RARA	8.5769	6.9759	15.48	19.87
208	Shell-Thick	SLE-RARA	8.7320	8.5768	17.73	19.87
208	Shell-Thick	SLE-RARA	6.2466	8.0469	17.73	15.98
208	Shell-Thick	SLE-RARA	6.0803	6.5287	15.48	15.98
208	Shell-Thick	SLE-FREQ.	7.8081	6.1182	14.31	18.04
208	Shell-Thick	SLE-FREQ.	7.9408	7.5648	16.42	18.04
208	Shell-Thick	SLE-FREQ.	5.6404	7.0940	16.42	14.38
208	Shell-Thick	SLE-FREQ.	5.4978	5.7208	14.31	14.38
208	Shell-Thick	SLE-QP	5.5015	3.5451	10.79	12.54
208	Shell-Thick	SLE-QP	5.5671	4.5289	12.52	12.54

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208	Shell-Thick	SLE-QP	3.8217	4.2355	12.52	9.55
208	Shell-Thick	SLE-QP	3.7503	3.2971	10.79	9.55
209	Shell-Thick	SLU-STATICA	6.4202	8.8800	19.17	22.15
209	Shell-Thick	SLU-STATICA	6.5745	10.6806	21.68	22.15
209	Shell-Thick	SLU-STATICA	3.5184	9.6994	21.68	17.81
209	Shell-Thick	SLU-STATICA	3.3469	8.0235	19.17	17.81
209	Shell-Thick	SLU-SISMICA	10.7398	16.5822	28.26	36.93
209	Shell-Thick	SLU-SISMICA	11.1447	19.6549	31.56	36.93
209	Shell-Thick	SLU-SISMICA	6.6719	17.9813	31.56	31.23
209	Shell-Thick	SLU-SISMICA	6.2368	15.1247	28.26	31.23
209	Shell-Thick	SLE-RARA	4.6496	6.3450	14.07	16.05
209	Shell-Thick	SLE-RARA	4.7541	7.6460	15.94	16.05
209	Shell-Thick	SLE-RARA	2.5089	6.9370	15.94	12.83
209	Shell-Thick	SLE-RARA	2.3921	5.7259	14.07	12.83
209	Shell-Thick	SLE-FREQ.	4.1800	5.5555	12.98	14.44
209	Shell-Thick	SLE-FREQ.	4.2613	6.7199	14.73	14.44
209	Shell-Thick	SLE-FREQ.	2.1879	6.0853	14.73	11.41
209	Shell-Thick	SLE-FREQ.	2.0956	5.0011	12.98	11.41
209	Shell-Thick	SLE-QP	2.7711	3.1873	9.70	9.61
209	Shell-Thick	SLE-QP	2.7829	3.9418	11.12	9.61
209	Shell-Thick	SLE-QP	1.2248	3.5304	11.12	7.15
209	Shell-Thick	SLE-QP	1.2062	2.8268	9.70	7.15
210	Shell-Thick	SLU-STATICA	2.2801	7.8162	16.76	17.81
210	Shell-Thick	SLU-STATICA	1.6087	9.3114	18.76	17.81
210	Shell-Thick	SLU-STATICA	-1.0424	7.8222	18.76	14.34
210	Shell-Thick	SLU-STATICA	-0.3984	6.5207	16.76	14.34
210	Shell-Thick	SLU-SISMICA	4.7036	14.7899	25.19	31.20
210	Shell-Thick	SLU-SISMICA	3.9137	17.4578	27.87	31.20
210	Shell-Thick	SLU-SISMICA	-0.0452	15.0034	27.87	26.57
210	Shell-Thick	SLU-SISMICA	0.7004	12.6458	25.19	26.57
210	Shell-Thick	SLE-RARA	1.6070	5.5752	12.28	12.83
210	Shell-Thick	SLE-RARA	1.1041	6.6498	13.76	12.83
210	Shell-Thick	SLE-RARA	-0.8395	5.5694	13.76	10.26
210	Shell-Thick	SLE-RARA	-0.3566	4.6358	12.28	10.26
210	Shell-Thick	SLE-FREQ.	1.3682	4.8646	11.28	11.41
210	Shell-Thick	SLE-FREQ.	0.8875	5.8163	12.68	11.41
210	Shell-Thick	SLE-FREQ.	-0.9008	4.8419	12.68	9.00
210	Shell-Thick	SLE-FREQ.	-0.4381	4.0181	11.28	9.00
210	Shell-Thick	SLE-QP	0.6519	2.7329	8.29	7.16
210	Shell-Thick	SLE-QP	0.2375	3.3160	9.41	7.16
210	Shell-Thick	SLE-QP	-1.0845	2.6595	9.41	5.23
210	Shell-Thick	SLE-QP	-0.6827	2.1651	8.29	5.23
211	Shell-Thick	SLU-STATICA	-1.4501	6.3845	14.14	14.38
211	Shell-Thick	SLU-STATICA	-1.7313	7.6102	15.74	14.38
211	Shell-Thick	SLU-STATICA	-3.9594	5.8945	15.74	11.62
211	Shell-Thick	SLU-STATICA	-3.7052	4.8576	14.14	11.62
211	Shell-Thick	SLU-SISMICA	-0.7831	12.4333	21.82	26.62
211	Shell-Thick	SLU-SISMICA	-0.9681	14.7346	24.01	26.62
211	Shell-Thick	SLU-SISMICA	-4.3849	11.9500	24.01	22.84
211	Shell-Thick	SLU-SISMICA	-4.2428	9.9490	21.82	22.84
211	Shell-Thick	SLE-RARA	-1.1320	4.5364	10.33	10.29
211	Shell-Thick	SLE-RARA	-1.3499	5.4116	11.51	10.29
211	Shell-Thick	SLE-RARA	-2.9790	4.1648	11.51	8.25
211	Shell-Thick	SLE-RARA	-2.7808	3.4271	10.33	8.25
211	Shell-Thick	SLE-FREQ.	-1.1590	3.9275	9.45	9.03
211	Shell-Thick	SLE-FREQ.	-1.3793	4.6927	10.55	9.03
211	Shell-Thick	SLE-FREQ.	-2.8706	3.5644	10.55	7.12
211	Shell-Thick	SLE-FREQ.	-2.6681	2.9242	9.45	7.12
211	Shell-Thick	SLE-QP	-1.2397	2.1006	6.79	5.25
211	Shell-Thick	SLE-QP	-1.4676	2.5359	7.66	5.25
211	Shell-Thick	SLE-QP	-2.5454	1.7634	7.66	3.75
211	Shell-Thick	SLE-QP	-2.3298	1.4154	6.79	3.75
212	Shell-Thick	SLU-STATICA	-3.9915	4.7734	11.52	11.60
212	Shell-Thick	SLU-STATICA	-4.6805	5.7772	12.74	11.60
212	Shell-Thick	SLU-STATICA	-6.4885	4.3320	12.74	9.50
212	Shell-Thick	SLU-STATICA	-5.8241	3.5000	11.52	9.50
212	Shell-Thick	SLU-SISMICA	-4.5587	9.8282	18.40	22.79
212	Shell-Thick	SLU-SISMICA	-5.3493	11.8146	20.12	22.79
212	Shell-Thick	SLU-SISMICA	-8.2196	9.4123	20.12	19.82

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212	Shell-Thick	SLU-SISMICA	-7.4671	7.6919	18.40	19.82
212	Shell-Thick	SLE-RARA	-2.9963	3.3652	8.39	8.23
212	Shell-Thick	SLE-RARA	-3.5133	4.0768	9.28	8.23
212	Shell-Thick	SLE-RARA	-4.8303	3.0294	9.28	6.69
212	Shell-Thick	SLE-RARA	-4.3313	2.4432	8.39	6.69
212	Shell-Thick	SLE-FREQ.	-2.8758	2.8668	7.62	7.11
212	Shell-Thick	SLE-FREQ.	-3.3717	3.4801	8.45	7.11
212	Shell-Thick	SLE-FREQ.	-4.5689	2.5372	8.45	5.67
212	Shell-Thick	SLE-FREQ.	-4.0895	2.0385	7.62	5.67
212	Shell-Thick	SLE-QP	-2.5144	1.3716	5.30	3.74
212	Shell-Thick	SLE-QP	-2.9469	1.6900	5.94	3.74
212	Shell-Thick	SLE-QP	-3.7849	1.0606	5.94	2.64
212	Shell-Thick	SLE-QP	-3.3640	0.8242	5.30	2.64
213	Shell-Thick	SLU-STATICA	-6.2172	3.4501	9.07	9.52
213	Shell-Thick	SLU-STATICA	-6.5223	4.2965	10.01	9.52
213	Shell-Thick	SLU-STATICA	-7.9409	2.6666	10.01	7.89
213	Shell-Thick	SLU-STATICA	-7.6617	1.9994	9.07	7.89
213	Shell-Thick	SLU-SISMICA	-7.9262	7.6347	15.14	19.83
213	Shell-Thick	SLU-SISMICA	-8.1467	9.3923	16.54	19.83
213	Shell-Thick	SLU-SISMICA	-10.5035	6.7228	16.54	17.41
213	Shell-Thick	SLU-SISMICA	-10.3228	5.2408	15.14	17.41
213	Shell-Thick	SLE-RARA	-4.6259	2.4058	6.57	6.70
213	Shell-Thick	SLE-RARA	-4.8612	3.0018	7.26	6.70
213	Shell-Thick	SLE-RARA	-5.8894	1.8185	7.26	5.50
213	Shell-Thick	SLE-RARA	-5.6729	1.3535	6.57	5.50
213	Shell-Thick	SLE-FREQ.	-4.3714	2.0025	5.91	5.68
213	Shell-Thick	SLE-FREQ.	-4.6079	2.5090	6.55	5.68
213	Shell-Thick	SLE-FREQ.	-5.5336	1.4403	6.55	4.58
213	Shell-Thick	SLE-FREQ.	-5.3144	1.0537	5.91	4.58
213	Shell-Thick	SLE-QP	-3.6079	0.7929	3.93	2.64
213	Shell-Thick	SLE-QP	-3.8478	1.0306	4.40	2.64
213	Shell-Thick	SLE-QP	-4.4662	0.3058	4.40	1.83
213	Shell-Thick	SLE-QP	-4.2387	0.1544	3.93	1.83
214	Shell-Thick	SLU-STATICA	-7.6363	1.9704	6.74	7.86
214	Shell-Thick	SLU-STATICA	-8.1401	2.6608	7.43	7.86
214	Shell-Thick	SLU-STATICA	-9.1949	1.6120	7.43	6.68
214	Shell-Thick	SLU-STATICA	-8.7078	1.0380	6.74	6.68
214	Shell-Thick	SLU-SISMICA	-10.1356	5.2263	12.00	17.36
214	Shell-Thick	SLU-SISMICA	-10.6698	6.7415	13.09	17.36
214	Shell-Thick	SLU-SISMICA	-12.5392	4.9140	13.09	15.48
214	Shell-Thick	SLU-SISMICA	-12.0299	3.5725	12.00	15.48
214	Shell-Thick	SLE-RARA	-5.6618	1.3308	4.85	5.48
214	Shell-Thick	SLE-RARA	-6.0420	1.8129	5.35	5.48
214	Shell-Thick	SLE-RARA	-6.8007	1.0570	5.35	4.62
214	Shell-Thick	SLE-RARA	-6.4327	0.6602	4.85	4.62
214	Shell-Thick	SLE-FREQ.	-5.3168	1.0305	4.30	4.56
214	Shell-Thick	SLE-FREQ.	-5.6851	1.4328	4.75	4.56
214	Shell-Thick	SLE-FREQ.	-6.3581	0.7596	4.75	3.78
214	Shell-Thick	SLE-FREQ.	-6.0011	0.4357	4.30	3.78
214	Shell-Thick	SLE-QP	-4.2818	0.1293	2.64	1.81
214	Shell-Thick	SLE-QP	-4.6145	0.2926	2.96	1.81
214	Shell-Thick	SLE-QP	-5.0306	-0.1327	2.96	1.27
214	Shell-Thick	SLE-QP	-4.7063	-0.2380	2.64	1.27
215	Shell-Thick	SLU-STATICA	-8.8699	1.0128	4.69	6.68
215	Shell-Thick	SLU-STATICA	-9.0899	1.6258	5.20	6.68
215	Shell-Thick	SLU-STATICA	-9.8218	0.3995	5.20	5.79
215	Shell-Thick	SLU-STATICA	-9.6222	-0.0717	4.69	5.79
215	Shell-Thick	SLU-SISMICA	-12.1085	3.5738	9.17	15.48
215	Shell-Thick	SLU-SISMICA	-12.2362	4.9576	10.08	15.48
215	Shell-Thick	SLU-SISMICA	-13.6648	2.8753	10.08	13.91
215	Shell-Thick	SLU-SISMICA	-13.5676	1.7027	9.17	13.91
215	Shell-Thick	SLE-RARA	-6.5596	0.6398	3.33	4.62
215	Shell-Thick	SLE-RARA	-6.7310	1.0659	3.70	4.62
215	Shell-Thick	SLE-RARA	-7.2508	0.1794	3.70	3.98
215	Shell-Thick	SLE-RARA	-7.0945	-0.1428	3.33	3.98
215	Shell-Thick	SLE-FREQ.	-6.1318	0.4136	2.88	3.78
215	Shell-Thick	SLE-FREQ.	-6.3065	0.7658	3.21	3.78
215	Shell-Thick	SLE-FREQ.	-6.7563	-0.0285	3.21	3.21
215	Shell-Thick	SLE-FREQ.	-6.5954	-0.2851	2.88	3.21

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215	Shell-Thick	SLE-QP	-4.8481	-0.2652	1.53	1.27
215	Shell-Thick	SLE-QP	-5.0329	-0.1345	1.73	1.27
215	Shell-Thick	SLE-QP	-5.2725	-0.6521	1.73	0.92
215	Shell-Thick	SLE-QP	-5.0979	-0.7120	1.53	0.92
216	Shell-Thick	SLU-STATICA	-9.6225	-0.0959	2.79	5.77
216	Shell-Thick	SLU-STATICA	-9.8982	0.4083	3.14	5.77
216	Shell-Thick	SLU-STATICA	-10.3391	-0.1936	3.14	5.17
216	Shell-Thick	SLU-STATICA	-10.0716	-0.6405	2.79	5.17
216	Shell-Thick	SLU-SISMICA	-13.3847	1.7149	6.50	13.89
216	Shell-Thick	SLU-SISMICA	-13.6224	2.9081	7.22	13.89
216	Shell-Thick	SLU-SISMICA	-14.6463	1.7330	7.22	12.65
216	Shell-Thick	SLU-SISMICA	-14.4197	0.6179	6.50	12.65
216	Shell-Thick	SLE-RARA	-7.1039	-0.1629	1.93	3.97
216	Shell-Thick	SLE-RARA	-7.3147	0.1849	2.18	3.97
216	Shell-Thick	SLE-RARA	-7.6197	-0.2427	2.18	3.54
216	Shell-Thick	SLE-RARA	-7.4150	-0.5481	1.93	3.54
216	Shell-Thick	SLE-FREQ.	-6.6195	-0.3077	1.58	3.20
216	Shell-Thick	SLE-FREQ.	-6.8283	-0.0251	1.79	3.20
216	Shell-Thick	SLE-FREQ.	-7.0779	-0.3951	1.79	2.84
216	Shell-Thick	SLE-FREQ.	-6.8748	-0.6380	1.58	2.84
216	Shell-Thick	SLE-QP	-5.1665	-0.7421	0.52	0.91
216	Shell-Thick	SLE-QP	-5.3691	-0.6551	0.62	0.91
216	Shell-Thick	SLE-QP	-5.4524	-0.8521	0.62	0.73
216	Shell-Thick	SLE-QP	-5.2544	-0.9077	0.52	0.73
217	Shell-Thick	SLU-STATICA	-10.2656	-0.6781	1.17	5.17
217	Shell-Thick	SLU-STATICA	-10.3609	-0.1992	1.42	5.17
217	Shell-Thick	SLU-STATICA	-10.5479	-0.9388	1.42	4.73
217	Shell-Thick	SLU-STATICA	-10.4668	-1.3202	1.17	4.73
217	Shell-Thick	SLU-SISMICA	-14.5130	0.6183	4.16	12.66
217	Shell-Thick	SLU-SISMICA	-14.5068	1.7419	4.79	12.66
217	Shell-Thick	SLU-SISMICA	-15.1685	0.3762	4.79	11.57
217	Shell-Thick	SLU-SISMICA	-15.1948	-0.6082	4.16	11.57
217	Shell-Thick	SLE-RARA	-7.5670	-0.5784	0.73	3.54
217	Shell-Thick	SLE-RARA	-7.6443	-0.2477	0.91	3.54
217	Shell-Thick	SLE-RARA	-7.7623	-0.7768	0.91	3.24
217	Shell-Thick	SLE-RARA	-7.6955	-1.0358	0.73	3.24
217	Shell-Thick	SLE-FREQ.	-7.0314	-0.6707	0.47	2.84
217	Shell-Thick	SLE-FREQ.	-7.1151	-0.4011	0.61	2.84
217	Shell-Thick	SLE-FREQ.	-7.1912	-0.8657	0.61	2.60
217	Shell-Thick	SLE-FREQ.	-7.1172	-1.0688	0.47	2.60
217	Shell-Thick	SLE-QP	-5.4245	-0.9476	-0.32	0.73
217	Shell-Thick	SLE-QP	-5.5275	-0.8613	-0.29	0.73
217	Shell-Thick	SLE-QP	-5.4779	-1.1325	-0.29	0.67
217	Shell-Thick	SLE-QP	-5.3823	-1.1678	-0.32	0.67
218	Shell-Thick	SLU-STATICA	-10.6806	-1.3700	-0.30	4.72
218	Shell-Thick	SLU-STATICA	-10.7278	-0.9677	-0.15	4.72
218	Shell-Thick	SLU-STATICA	-10.6934	-1.1506	-0.15	4.45
218	Shell-Thick	SLU-STATICA	-10.6472	-1.5457	-0.30	4.45
218	Shell-Thick	SLU-SISMICA	-15.3018	-0.6190	2.00	11.58
218	Shell-Thick	SLU-SISMICA	-15.2544	0.3484	2.52	11.58
218	Shell-Thick	SLU-SISMICA	-15.5936	-0.2054	2.52	10.68
218	Shell-Thick	SLU-SISMICA	-15.6407	-1.1740	2.00	10.68
218	Shell-Thick	SLE-RARA	-7.8628	-1.0755	-0.35	3.23
218	Shell-Thick	SLE-RARA	-7.9033	-0.7988	-0.24	3.23
218	Shell-Thick	SLE-RARA	-7.8586	-0.9190	-0.24	3.06
218	Shell-Thick	SLE-RARA	-7.8190	-1.1897	-0.35	3.06
218	Shell-Thick	SLE-FREQ.	-7.2892	-1.1107	-0.53	2.59
218	Shell-Thick	SLE-FREQ.	-7.3364	-0.8873	-0.46	2.59
218	Shell-Thick	SLE-FREQ.	-7.2621	-0.9740	-0.46	2.47
218	Shell-Thick	SLE-FREQ.	-7.2158	-1.1910	-0.53	2.47
218	Shell-Thick	SLE-QP	-5.5683	-1.2164	-1.07	0.66
218	Shell-Thick	SLE-QP	-5.6359	-1.1526	-1.10	0.66
218	Shell-Thick	SLE-QP	-5.4727	-1.1391	-1.10	0.71
218	Shell-Thick	SLE-QP	-5.4063	-1.1946	-1.07	0.71
219	Shell-Thick	SLU-STATICA	-11.0296	-1.6191	-1.55	4.45
219	Shell-Thick	SLU-STATICA	-10.9907	-1.2132	-1.42	4.45
219	Shell-Thick	SLU-STATICA	-10.7637	-1.4837	-1.42	4.23
219	Shell-Thick	SLU-STATICA	-10.8108	-1.8327	-1.55	4.23
219	Shell-Thick	SLU-SISMICA	-15.9864	-1.2140	0.12	10.69

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219	Shell-Thick	SLU-SISMICA	-15.8428	-0.2844	0.63	10.69
219	Shell-Thick	SLU-SISMICA	-15.8938	-0.9500	0.63	9.81
219	Shell-Thick	SLU-SISMICA	-16.0483	-1.8040	0.12	9.81
219	Shell-Thick	SLE-RARA	-8.1106	-1.2470	-1.26	3.06
219	Shell-Thick	SLE-RARA	-8.0863	-0.9655	-1.18	3.06
219	Shell-Thick	SLE-RARA	-7.9005	-1.1509	-1.18	2.93
219	Shell-Thick	SLE-RARA	-7.9308	-1.3902	-1.26	2.93
219	Shell-Thick	SLE-FREQ.	-7.5032	-1.2496	-1.36	2.47
219	Shell-Thick	SLE-FREQ.	-7.4882	-1.0181	-1.32	2.47
219	Shell-Thick	SLE-FREQ.	-7.2841	-1.1663	-1.32	2.40
219	Shell-Thick	SLE-FREQ.	-7.3049	-1.3583	-1.36	2.40
219	Shell-Thick	SLE-QP	-5.6812	-1.2572	-1.68	0.71
219	Shell-Thick	SLE-QP	-5.6938	-1.1756	-1.74	0.71
219	Shell-Thick	SLE-QP	-5.4349	-1.2128	-1.74	0.80
219	Shell-Thick	SLE-QP	-5.4270	-1.2625	-1.68	0.80
220	Shell-Thick	SLU-STATICA	-11.3992	-1.9378	-2.68	4.24
220	Shell-Thick	SLU-STATICA	-11.2364	-1.5909	-2.57	4.24
220	Shell-Thick	SLU-STATICA	-10.8450	-1.3038	-2.57	4.04
220	Shell-Thick	SLU-STATICA	-11.0039	-1.6772	-2.68	4.04
220	Shell-Thick	SLU-SISMICA	-16.6911	-1.8868	-1.60	9.84
220	Shell-Thick	SLU-SISMICA	-16.3946	-1.0959	-1.09	9.84
220	Shell-Thick	SLU-SISMICA	-16.1969	-0.9372	-1.09	8.95
220	Shell-Thick	SLU-SISMICA	-16.4855	-1.7811	-1.60	8.95
220	Shell-Thick	SLE-RARA	-8.3740	-1.4708	-2.08	2.93
220	Shell-Thick	SLE-RARA	-8.2573	-1.2302	-2.02	2.93
220	Shell-Thick	SLE-RARA	-7.9510	-1.0062	-2.02	2.82
220	Shell-Thick	SLE-RARA	-8.0649	-1.2657	-2.08	2.82
220	Shell-Thick	SLE-FREQ.	-7.7326	-1.4388	-2.12	2.40
220	Shell-Thick	SLE-FREQ.	-7.6298	-1.2405	-2.09	2.40
220	Shell-Thick	SLE-FREQ.	-7.3151	-1.0115	-2.09	2.34
220	Shell-Thick	SLE-FREQ.	-7.4156	-1.2259	-2.12	2.34
220	Shell-Thick	SLE-QP	-5.8085	-1.3425	-2.23	0.80
220	Shell-Thick	SLE-QP	-5.7473	-1.2716	-2.30	0.80
220	Shell-Thick	SLE-QP	-5.4075	-1.0275	-2.30	0.92
220	Shell-Thick	SLE-QP	-5.4676	-1.1067	-2.23	0.92
221	Shell-Thick	SLU-STATICA	-11.9026	-1.8321	-3.64	4.06
221	Shell-Thick	SLU-STATICA	-11.5863	-1.4769	-3.44	4.06
221	Shell-Thick	SLU-STATICA	-11.0530	-1.1302	-3.44	3.71
221	Shell-Thick	SLU-STATICA	-11.3742	-1.4511	-3.64	3.71
221	Shell-Thick	SLU-SISMICA	-17.5776	-1.9364	-3.03	9.00
221	Shell-Thick	SLU-SISMICA	-17.0902	-1.1790	-2.41	9.00
221	Shell-Thick	SLU-SISMICA	-16.6791	-0.9042	-2.41	7.92
221	Shell-Thick	SLU-SISMICA	-17.1724	-1.6188	-3.03	7.92
221	Shell-Thick	SLE-RARA	-8.7363	-1.3831	-2.79	2.83
221	Shell-Thick	SLE-RARA	-8.5052	-1.1340	-2.66	2.83
221	Shell-Thick	SLE-RARA	-8.0949	-0.8677	-2.66	2.60
221	Shell-Thick	SLE-RARA	-8.3298	-1.0912	-2.79	2.60
221	Shell-Thick	SLE-FREQ.	-8.0545	-1.3404	-2.77	2.35
221	Shell-Thick	SLE-FREQ.	-7.8431	-1.1305	-2.68	2.35
221	Shell-Thick	SLE-FREQ.	-7.4330	-0.8648	-2.68	2.19
221	Shell-Thick	SLE-FREQ.	-7.6479	-1.0505	-2.77	2.19
221	Shell-Thick	SLE-QP	-6.0092	-1.2124	-2.71	0.93
221	Shell-Thick	SLE-QP	-5.8571	-1.1201	-2.73	0.93
221	Shell-Thick	SLE-QP	-5.4472	-0.8564	-2.73	0.96
221	Shell-Thick	SLE-QP	-5.6023	-0.9284	-2.71	0.96
222	Shell-Thick	SLU-STATICA	-12.5138	-1.6163	-4.38	3.76
222	Shell-Thick	SLU-STATICA	-11.7015	-1.3226	-4.06	3.76
222	Shell-Thick	SLU-STATICA	-11.1495	-0.6713	-4.06	3.27
222	Shell-Thick	SLU-STATICA	-11.9557	-0.9882	-4.38	3.27
222	Shell-Thick	SLU-SISMICA	-18.6438	-1.7982	-4.05	8.00
222	Shell-Thick	SLU-SISMICA	-17.4337	-1.1700	-3.35	8.00
222	Shell-Thick	SLU-SISMICA	-16.9527	-0.3859	-3.35	6.95
222	Shell-Thick	SLU-SISMICA	-18.1512	-1.0575	-4.05	6.95
222	Shell-Thick	SLE-RARA	-9.1768	-1.2156	-3.34	2.63
222	Shell-Thick	SLE-RARA	-8.5811	-1.0098	-3.11	2.63
222	Shell-Thick	SLE-RARA	-8.1593	-0.5229	-3.11	2.29
222	Shell-Thick	SLE-RARA	-8.7506	-0.7453	-3.34	2.29
222	Shell-Thick	SLE-FREQ.	-8.4468	-1.1707	-3.28	2.22
222	Shell-Thick	SLE-FREQ.	-7.8984	-0.9975	-3.09	2.22

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222	Shell-Thick	SLE-FREQ.	-7.4812	-0.5334	-3.09	1.93
222	Shell-Thick	SLE-FREQ.	-8.0256	-0.7212	-3.28	1.93
222	Shell-Thick	SLE-QP	-6.2567	-1.0359	-3.12	0.98
222	Shell-Thick	SLE-QP	-5.8505	-0.9604	-3.04	0.98
222	Shell-Thick	SLE-QP	-5.4469	-0.5651	-3.04	0.85
222	Shell-Thick	SLE-QP	-5.8509	-0.6490	-3.12	0.85
223	Shell-Thick	SLU-STATICA	24.1356	14.4652	24.91	43.97
223	Shell-Thick	SLU-STATICA	27.6890	17.8334	29.13	43.97
223	Shell-Thick	SLU-STATICA	23.6135	18.0097	29.13	36.69
223	Shell-Thick	SLU-STATICA	20.1028	14.3620	24.91	36.69
223	Shell-Thick	SLU-SISMICA	36.6921	25.5152	35.49	64.95
223	Shell-Thick	SLU-SISMICA	41.9396	30.5762	40.85	64.95
223	Shell-Thick	SLU-SISMICA	36.1842	30.8176	40.85	55.67
223	Shell-Thick	SLU-SISMICA	30.9934	25.3856	35.49	55.67
223	Shell-Thick	SLE-RARA	17.6628	10.4103	18.35	32.27
223	Shell-Thick	SLE-RARA	20.2709	12.8782	21.49	32.27
223	Shell-Thick	SLE-RARA	17.2665	13.0085	21.49	26.85
223	Shell-Thick	SLE-RARA	14.6901	10.3334	18.35	26.85
223	Shell-Thick	SLE-FREQ.	16.1954	9.2455	17.03	29.75
223	Shell-Thick	SLE-FREQ.	18.6000	11.5135	19.99	29.75
223	Shell-Thick	SLE-FREQ.	15.8077	11.6352	19.99	24.63
223	Shell-Thick	SLE-FREQ.	13.4329	9.1727	17.03	24.63
223	Shell-Thick	SLE-QP	11.7932	5.7512	13.07	22.19
223	Shell-Thick	SLE-QP	13.5872	7.4192	15.51	22.19
223	Shell-Thick	SLE-QP	11.4313	7.5153	15.51	17.96
223	Shell-Thick	SLE-QP	9.6613	5.6905	13.07	17.96
224	Shell-Thick	SLU-STATICA	19.1592	14.2913	25.21	36.77
224	Shell-Thick	SLU-STATICA	20.2554	17.2201	29.26	36.77
224	Shell-Thick	SLU-STATICA	16.1728	16.4480	29.26	29.78
224	Shell-Thick	SLU-STATICA	15.0683	13.5881	25.21	29.78
224	Shell-Thick	SLU-SISMICA	29.4134	25.1667	36.00	55.74
224	Shell-Thick	SLU-SISMICA	31.0705	29.6977	41.19	55.74
224	Shell-Thick	SLU-SISMICA	25.2888	28.4340	41.19	46.77
224	Shell-Thick	SLU-SISMICA	23.6129	24.0470	36.00	46.77
224	Shell-Thick	SLE-RARA	14.0068	10.2872	18.57	26.92
224	Shell-Thick	SLE-RARA	14.8094	12.4267	21.58	26.92
224	Shell-Thick	SLE-RARA	11.8006	11.8661	21.58	21.72
224	Shell-Thick	SLE-RARA	10.9921	9.7751	18.57	21.72
224	Shell-Thick	SLE-FREQ.	12.8187	9.1398	17.22	24.69
224	Shell-Thick	SLE-FREQ.	13.5555	11.0949	20.06	24.69
224	Shell-Thick	SLE-FREQ.	10.7605	10.5885	20.06	19.78
224	Shell-Thick	SLE-FREQ.	10.0189	8.6745	17.22	19.78
224	Shell-Thick	SLE-QP	9.2546	5.6976	13.19	18.02
224	Shell-Thick	SLE-QP	9.7936	7.0994	15.53	18.02
224	Shell-Thick	SLE-QP	7.6401	6.7557	15.53	13.99
224	Shell-Thick	SLE-QP	7.0992	5.3729	13.19	13.99
225	Shell-Thick	SLU-STATICA	12.4718	13.2639	23.82	29.90
225	Shell-Thick	SLU-STATICA	13.1833	15.6549	27.23	29.90
225	Shell-Thick	SLU-STATICA	9.3593	14.8055	27.23	24.01
225	Shell-Thick	SLU-STATICA	8.6359	12.5061	23.82	24.01
225	Shell-Thick	SLU-SISMICA	19.6522	23.4777	34.26	46.92
225	Shell-Thick	SLU-SISMICA	20.8152	27.3165	38.65	46.92
225	Shell-Thick	SLU-SISMICA	15.3572	25.8975	38.65	39.33
225	Shell-Thick	SLU-SISMICA	14.1704	22.2341	34.26	39.33
225	Shell-Thick	SLE-RARA	9.0926	9.5417	17.53	21.81
225	Shell-Thick	SLE-RARA	9.6092	11.2813	20.06	21.81
225	Shell-Thick	SLE-RARA	6.7931	10.6661	20.06	17.43
225	Shell-Thick	SLE-RARA	6.2680	8.9917	17.53	17.43
225	Shell-Thick	SLE-FREQ.	8.2783	8.4671	16.24	19.88
225	Shell-Thick	SLE-FREQ.	8.7451	10.0448	18.63	19.88
225	Shell-Thick	SLE-FREQ.	6.1326	9.4915	18.63	15.75
225	Shell-Thick	SLE-FREQ.	5.6586	7.9705	16.24	15.75
225	Shell-Thick	SLE-QP	5.8355	5.2431	12.37	14.07
225	Shell-Thick	SLE-QP	6.1527	6.3352	14.33	14.07
225	Shell-Thick	SLE-QP	4.1514	5.9679	14.33	10.68
225	Shell-Thick	SLE-QP	3.8305	4.9070	12.37	10.68
226	Shell-Thick	SLU-STATICA	7.0082	12.1873	21.53	24.01
226	Shell-Thick	SLU-STATICA	6.3085	14.1887	24.23	24.01
226	Shell-Thick	SLU-STATICA	2.8921	12.3333	24.23	19.33

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226	Shell-Thick	SLU-STATICA	3.5589	10.5639	21.53	19.33
226	Shell-Thick	SLU-SISMICA	11.7248	21.6998	31.36	39.29
226	Shell-Thick	SLU-SISMICA	10.8500	25.0412	34.87	39.29
226	Shell-Thick	SLU-SISMICA	5.9081	22.0891	34.87	33.21
226	Shell-Thick	SLU-SISMICA	6.7293	19.1240	31.36	33.21
226	Shell-Thick	SLE-RARA	5.0754	8.7608	15.82	17.43
226	Shell-Thick	SLE-RARA	4.5539	10.2106	17.83	17.43
226	Shell-Thick	SLE-RARA	2.0412	8.8593	17.83	13.96
226	Shell-Thick	SLE-RARA	2.5388	7.5782	15.82	13.96
226	Shell-Thick	SLE-FREQ.	4.5626	7.7631	14.62	15.75
226	Shell-Thick	SLE-FREQ.	4.0684	9.0670	16.52	15.75
226	Shell-Thick	SLE-FREQ.	1.7430	7.8391	16.52	12.47
226	Shell-Thick	SLE-FREQ.	2.2156	6.6879	14.62	12.47
226	Shell-Thick	SLE-QP	3.0244	4.7698	11.03	10.69
226	Shell-Thick	SLE-QP	2.6119	5.6361	12.58	10.69
226	Shell-Thick	SLE-QP	0.8484	4.7786	12.58	8.02
226	Shell-Thick	SLE-QP	1.2462	4.0169	11.03	8.02
227	Shell-Thick	SLU-STATICA	1.9205	10.3542	18.64	19.40
227	Shell-Thick	SLU-STATICA	1.7739	11.9917	20.78	19.40
227	Shell-Thick	SLU-STATICA	-1.1681	9.7014	20.78	15.70
227	Shell-Thick	SLU-STATICA	-1.0530	8.2854	18.64	15.70
227	Shell-Thick	SLU-SISMICA	4.3162	18.7748	27.70	33.29
227	Shell-Thick	SLU-SISMICA	4.3094	21.6359	30.53	33.29
227	Shell-Thick	SLU-SISMICA	-0.0341	18.0385	30.53	28.39
227	Shell-Thick	SLU-SISMICA	-0.0783	15.5340	27.70	28.39
227	Shell-Thick	SLE-RARA	1.3359	7.4262	13.67	14.01
227	Shell-Thick	SLE-RARA	1.2178	8.6060	15.26	14.01
227	Shell-Thick	SLE-RARA	-0.9416	6.9357	15.26	11.26
227	Shell-Thick	SLE-RARA	-0.8464	5.9170	13.67	11.26
227	Shell-Thick	SLE-FREQ.	1.1060	6.5511	12.59	12.53
227	Shell-Thick	SLE-FREQ.	0.9794	7.6013	14.09	12.53
227	Shell-Thick	SLE-FREQ.	-1.0115	6.0796	14.09	9.94
227	Shell-Thick	SLE-FREQ.	-0.9057	5.1754	12.59	9.94
227	Shell-Thick	SLE-QP	0.4166	3.9257	9.34	8.07
227	Shell-Thick	SLE-QP	0.2642	4.5869	10.55	8.07
227	Shell-Thick	SLE-QP	-1.2215	3.5111	10.55	5.98
227	Shell-Thick	SLE-QP	-1.0834	2.9507	9.34	5.98
228	Shell-Thick	SLU-STATICA	-1.4974	8.1612	15.59	15.67
228	Shell-Thick	SLU-STATICA	-2.2822	9.5139	17.21	15.67
228	Shell-Thick	SLU-STATICA	-4.7270	7.5677	17.21	12.87
228	Shell-Thick	SLU-STATICA	-3.9743	6.4385	15.59	12.87
228	Shell-Thick	SLU-SISMICA	-0.6748	15.3308	23.80	28.33
228	Shell-Thick	SLU-SISMICA	-1.6138	17.8065	25.98	28.33
228	Shell-Thick	SLU-SISMICA	-5.3230	14.6983	25.98	24.56
228	Shell-Thick	SLU-SISMICA	-4.4343	12.5732	23.80	24.56
228	Shell-Thick	SLE-RARA	-1.1756	5.8268	11.40	11.24
228	Shell-Thick	SLE-RARA	-1.7626	6.7959	12.60	11.24
228	Shell-Thick	SLE-RARA	-3.5521	5.3791	12.60	9.17
228	Shell-Thick	SLE-RARA	-2.9885	4.5730	11.40	9.17
228	Shell-Thick	SLE-FREQ.	-1.2143	5.0940	10.45	9.92
228	Shell-Thick	SLE-FREQ.	-1.7740	5.9468	11.57	9.92
228	Shell-Thick	SLE-FREQ.	-3.4156	4.6604	11.57	7.98
228	Shell-Thick	SLE-FREQ.	-2.8770	3.9561	10.45	7.98
228	Shell-Thick	SLE-QP	-1.3301	2.8953	7.58	5.97
228	Shell-Thick	SLE-QP	-1.8084	3.3996	8.48	5.97
228	Shell-Thick	SLE-QP	-3.0059	2.5045	8.48	4.42
228	Shell-Thick	SLE-QP	-2.5426	2.1054	7.58	4.42
229	Shell-Thick	SLU-STATICA	-4.5214	6.3748	12.69	12.89
229	Shell-Thick	SLU-STATICA	-4.7609	7.5151	13.95	12.89
229	Shell-Thick	SLU-STATICA	-6.7432	5.2007	13.95	10.70
229	Shell-Thick	SLU-STATICA	-6.5366	4.2890	12.69	10.70
229	Shell-Thick	SLU-SISMICA	-5.1596	12.4758	20.04	24.58
229	Shell-Thick	SLU-SISMICA	-5.2777	14.6597	21.80	24.58
229	Shell-Thick	SLU-SISMICA	-8.3913	11.0049	21.80	21.55
229	Shell-Thick	SLU-SISMICA	-8.3244	9.1760	20.04	21.55
229	Shell-Thick	SLE-RARA	-3.3942	4.5265	9.25	9.18
229	Shell-Thick	SLE-RARA	-3.5818	5.3385	10.18	9.18
229	Shell-Thick	SLE-RARA	-5.0275	3.6516	10.18	7.57
229	Shell-Thick	SLE-RARA	-4.8640	3.0065	9.25	7.57



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229	Shell-Thick	SLE-FREQ.	-3.2581	3.9135	8.42	8.00
229	Shell-Thick	SLE-FREQ.	-3.4510	4.6198	9.29	8.00
229	Shell-Thick	SLE-FREQ.	-4.7681	3.0846	9.29	6.49
229	Shell-Thick	SLE-FREQ.	-4.5971	2.5307	8.42	6.49
229	Shell-Thick	SLE-QP	-2.8497	2.0745	5.92	4.43
229	Shell-Thick	SLE-QP	-3.0587	2.4634	6.60	4.43
229	Shell-Thick	SLE-QP	-3.9899	1.3835	6.60	3.26
229	Shell-Thick	SLE-QP	-3.7966	1.1035	5.92	3.26
230	Shell-Thick	SLU-STATICA	-6.4211	4.2632	9.88	10.66
230	Shell-Thick	SLU-STATICA	-6.9802	5.2023	10.80	10.66
230	Shell-Thick	SLU-STATICA	-8.5205	3.7649	10.80	9.07
230	Shell-Thick	SLU-STATICA	-7.9846	2.9873	9.88	9.07
230	Shell-Thick	SLU-SISMICA	-8.0343	9.1490	16.35	21.48
230	Shell-Thick	SLU-SISMICA	-8.6380	11.0406	17.68	21.48
230	Shell-Thick	SLU-SISMICA	-11.1734	8.6644	17.68	19.18
230	Shell-Thick	SLU-SISMICA	-10.6053	7.0194	16.35	19.18
230	Shell-Thick	SLE-RARA	-4.7851	2.9869	7.17	7.54
230	Shell-Thick	SLE-RARA	-5.2065	3.6511	7.84	7.54
230	Shell-Thick	SLE-RARA	-6.3241	2.6087	7.84	6.37
230	Shell-Thick	SLE-RARA	-5.9197	2.0627	7.17	6.37
230	Shell-Thick	SLE-FREQ.	-4.5345	2.5118	6.46	6.46
230	Shell-Thick	SLE-FREQ.	-4.9419	3.0813	7.08	6.46
230	Shell-Thick	SLE-FREQ.	-5.9502	2.1418	7.08	5.38
230	Shell-Thick	SLE-FREQ.	-5.5584	1.6805	6.46	5.38
230	Shell-Thick	SLE-QP	-3.7829	1.0863	4.33	3.24
230	Shell-Thick	SLE-QP	-4.1481	1.3718	4.81	3.24
230	Shell-Thick	SLE-QP	-4.8284	0.7409	4.81	2.42
230	Shell-Thick	SLE-QP	-4.4744	0.5338	4.33	2.42
231	Shell-Thick	SLU-STATICA	-8.0742	2.9763	7.42	9.07
231	Shell-Thick	SLU-STATICA	-8.2718	3.8078	8.13	9.07
231	Shell-Thick	SLU-STATICA	-9.4246	1.9669	8.13	7.84
231	Shell-Thick	SLU-STATICA	-9.2547	1.3269	7.42	7.84
231	Shell-Thick	SLU-SISMICA	-10.6014	7.0270	13.07	19.17
231	Shell-Thick	SLU-SISMICA	-10.6764	8.7569	14.17	19.17
231	Shell-Thick	SLU-SISMICA	-12.6990	5.7781	14.17	17.27
231	Shell-Thick	SLU-SISMICA	-12.6658	4.3375	13.07	17.27
231	Shell-Thick	SLE-RARA	-5.9922	2.0534	5.34	6.37
231	Shell-Thick	SLE-RARA	-6.1480	2.6388	5.86	6.37
231	Shell-Thick	SLE-RARA	-6.9782	1.3005	5.86	5.47
231	Shell-Thick	SLE-RARA	-6.8427	0.8554	5.34	5.47
231	Shell-Thick	SLE-FREQ.	-5.6367	1.6699	4.75	5.38
231	Shell-Thick	SLE-FREQ.	-5.7988	2.1670	5.22	5.38
231	Shell-Thick	SLE-FREQ.	-6.5371	0.9552	5.22	4.56
231	Shell-Thick	SLE-FREQ.	-6.3937	0.5869	4.75	4.56
231	Shell-Thick	SLE-QP	-4.5704	0.5193	2.96	2.42
231	Shell-Thick	SLE-QP	-4.7512	0.7516	3.30	2.42
231	Shell-Thick	SLE-QP	-5.2136	-0.0806	3.30	1.83
231	Shell-Thick	SLE-QP	-5.0465	-0.2186	2.96	1.83
232	Shell-Thick	SLU-STATICA	-9.0674	1.3265	5.11	7.81
232	Shell-Thick	SLU-STATICA	-9.3683	2.0160	5.60	7.81
232	Shell-Thick	SLU-STATICA	-10.1647	1.1296	5.60	6.96
232	Shell-Thick	SLU-STATICA	-9.8773	0.5337	5.11	6.96
232	Shell-Thick	SLU-SISMICA	-12.2233	4.3725	9.92	17.23
232	Shell-Thick	SLU-SISMICA	-12.4747	5.8764	10.76	17.23
232	Shell-Thick	SLU-SISMICA	-14.0168	4.2919	10.76	15.78
232	Shell-Thick	SLU-SISMICA	-13.7849	2.9239	9.92	15.78
232	Shell-Thick	SLE-RARA	-6.7135	0.8534	3.63	5.45
232	Shell-Thick	SLE-RARA	-6.9440	1.3353	3.99	5.45
232	Shell-Thick	SLE-RARA	-7.5102	0.6984	3.99	4.84
232	Shell-Thick	SLE-RARA	-7.2897	0.2853	3.63	4.84
232	Shell-Thick	SLE-FREQ.	-6.2886	0.5820	3.14	4.54
232	Shell-Thick	SLE-FREQ.	-6.5175	0.9851	3.46	4.54
232	Shell-Thick	SLE-FREQ.	-7.0085	0.4213	3.46	3.99
232	Shell-Thick	SLE-FREQ.	-6.7888	0.0819	3.14	3.99
232	Shell-Thick	SLE-QP	-5.0140	-0.2321	1.69	1.82
232	Shell-Thick	SLE-QP	-5.2380	-0.0654	1.89	1.82
232	Shell-Thick	SLE-QP	-5.5033	-0.4100	1.89	1.46
232	Shell-Thick	SLE-QP	-5.2862	-0.5285	1.69	1.46
233	Shell-Thick	SLU-STATICA	-9.8899	0.5242	3.15	6.95



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233	Shell-Thick	SLU-STATICA	-9.9878	1.1720	3.53	6.95
233	Shell-Thick	SLU-STATICA	-10.4789	-0.0740	3.53	6.31
233	Shell-Thick	SLU-STATICA	-10.4016	-0.5799	3.15	6.31
233	Shell-Thick	SLU-SISMICA	-13.6220	2.9557	7.23	15.78
233	Shell-Thick	SLU-SISMICA	-13.5907	4.3780	7.94	15.78
233	Shell-Thick	SLU-SISMICA	-14.7137	2.2585	7.94	14.54
233	Shell-Thick	SLU-SISMICA	-14.7750	1.0437	7.23	14.54
233	Shell-Thick	SLE-RARA	-7.3080	0.2761	2.19	4.83
233	Shell-Thick	SLE-RARA	-7.3886	0.7283	2.45	4.83
233	Shell-Thick	SLE-RARA	-7.7292	-0.1723	2.45	4.37
233	Shell-Thick	SLE-RARA	-7.6637	-0.5203	2.19	4.37
233	Shell-Thick	SLE-FREQ.	-6.8211	0.0694	1.80	3.99
233	Shell-Thick	SLE-FREQ.	-6.9104	0.4469	2.03	3.99
233	Shell-Thick	SLE-FREQ.	-7.1907	-0.3597	2.03	3.58
233	Shell-Thick	SLE-FREQ.	-7.1154	-0.6409	1.80	3.58
233	Shell-Thick	SLE-QP	-5.3604	-0.5505	0.63	1.45
233	Shell-Thick	SLE-QP	-5.4756	-0.3974	0.76	1.45
233	Shell-Thick	SLE-QP	-5.5749	-0.9221	0.76	1.23
233	Shell-Thick	SLE-QP	-5.4703	-1.0027	0.63	1.23
234	Shell-Thick	SLU-STATICA	-10.3838	-0.5952	1.35	6.29
234	Shell-Thick	SLU-STATICA	-10.4459	-0.0485	1.60	6.29
234	Shell-Thick	SLU-STATICA	-10.6649	-0.4464	1.60	5.87
234	Shell-Thick	SLU-STATICA	-10.6080	-0.9574	1.35	5.87
234	Shell-Thick	SLU-SISMICA	-14.5439	1.0758	4.68	14.52
234	Shell-Thick	SLU-SISMICA	-14.4870	2.3179	5.25	14.52
234	Shell-Thick	SLU-SISMICA	-15.2286	1.4408	5.25	13.54
234	Shell-Thick	SLU-SISMICA	-15.2915	0.2414	4.68	13.54
234	Shell-Thick	SLE-RARA	-7.6609	-0.5343	0.86	4.36
234	Shell-Thick	SLE-RARA	-7.7139	-0.1546	1.03	4.36
234	Shell-Thick	SLE-RARA	-7.8538	-0.4323	1.03	4.06
234	Shell-Thick	SLE-RARA	-7.8047	-0.7852	0.86	4.06
234	Shell-Thick	SLE-FREQ.	-7.1301	-0.6584	0.57	3.57
234	Shell-Thick	SLE-FREQ.	-7.1916	-0.3453	0.71	3.57
234	Shell-Thick	SLE-FREQ.	-7.2851	-0.5767	0.71	3.33
234	Shell-Thick	SLE-FREQ.	-7.2274	-0.8643	0.57	3.33
234	Shell-Thick	SLE-QP	-5.5378	-1.0309	-0.32	1.22
234	Shell-Thick	SLE-QP	-5.6247	-0.9173	-0.27	1.22
234	Shell-Thick	SLE-QP	-5.5791	-1.0100	-0.27	1.14
234	Shell-Thick	SLE-QP	-5.4954	-1.1018	-0.32	1.14
235	Shell-Thick	SLU-STATICA	-10.7543	-0.9935	-0.12	5.86
235	Shell-Thick	SLU-STATICA	-10.7210	-0.4508	6.681E-02	5.86
235	Shell-Thick	SLU-STATICA	-10.7098	-1.1267	6.681E-02	5.53
235	Shell-Thick	SLU-STATICA	-10.7569	-1.5747	-0.12	5.53
235	Shell-Thick	SLU-SISMICA	-15.2887	0.2505	2.54	13.54
235	Shell-Thick	SLU-SISMICA	-15.1153	1.4550	3.06	13.54
235	Shell-Thick	SLU-SISMICA	-15.5258	0.1704	3.06	12.64
235	Shell-Thick	SLU-SISMICA	-15.7182	-0.9023	2.54	12.64
235	Shell-Thick	SLE-RARA	-7.9230	-0.8148	-0.23	4.06
235	Shell-Thick	SLE-RARA	-7.9047	-0.4365	-9.856E-02	4.06
235	Shell-Thick	SLE-RARA	-7.8753	-0.9183	-9.856E-02	3.84
235	Shell-Thick	SLE-RARA	-7.9037	-1.2267	-0.23	3.84
235	Shell-Thick	SLE-FREQ.	-7.3550	-0.8969	-0.44	3.33
235	Shell-Thick	SLE-FREQ.	-7.3487	-0.5824	-0.34	3.33
235	Shell-Thick	SLE-FREQ.	-7.2853	-1.0023	-0.34	3.16
235	Shell-Thick	SLE-FREQ.	-7.3011	-1.2517	-0.44	3.16
235	Shell-Thick	SLE-QP	-5.6510	-1.1433	-1.08	1.13
235	Shell-Thick	SLE-QP	-5.6806	-1.0199	-1.07	1.13
235	Shell-Thick	SLE-QP	-5.5155	-1.2541	-1.07	1.12
235	Shell-Thick	SLE-QP	-5.4933	-1.3268	-1.08	1.12
236	Shell-Thick	SLU-STATICA	-11.0348	-1.6295	-1.47	5.53
236	Shell-Thick	SLU-STATICA	-10.8826	-1.1620	-1.33	5.53
236	Shell-Thick	SLU-STATICA	-10.6733	-1.1179	-1.33	5.29
236	Shell-Thick	SLU-STATICA	-10.8245	-1.5916	-1.47	5.29
236	Shell-Thick	SLU-SISMICA	-15.8946	-0.9149	0.55	12.65
236	Shell-Thick	SLU-SISMICA	-15.5739	0.1381	1.02	12.65
236	Shell-Thick	SLU-SISMICA	-15.6930	-0.0828	1.02	11.83
236	Shell-Thick	SLU-SISMICA	-16.0100	-1.1595	0.55	11.83
236	Shell-Thick	SLE-RARA	-8.1193	-1.2703	-1.21	3.83
236	Shell-Thick	SLE-RARA	-8.0124	-0.9453	-1.12	3.83

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236	Shell-Thick	SLE-RARA	-7.8374	-0.8986	-1.12	3.68
236	Shell-Thick	SLE-RARA	-7.9437	-1.2275	-1.21	3.68
236	Shell-Thick	SLE-FREQ.	-7.5198	-1.2977	-1.35	3.15
236	Shell-Thick	SLE-FREQ.	-7.4294	-1.0288	-1.29	3.15
236	Shell-Thick	SLE-FREQ.	-7.2317	-0.9615	-1.29	3.05
236	Shell-Thick	SLE-FREQ.	-7.3217	-1.2327	-1.35	3.05
236	Shell-Thick	SLE-QP	-5.7211	-1.3800	-1.75	1.12
236	Shell-Thick	SLE-QP	-5.6801	-1.2795	-1.79	1.12
236	Shell-Thick	SLE-QP	-5.4144	-1.1503	-1.79	1.17
236	Shell-Thick	SLE-QP	-5.4557	-1.2485	-1.75	1.17
237	Shell-Thick	SLU-STATICA	-11.2752	-1.6782	-2.54	5.29
237	Shell-Thick	SLU-STATICA	-11.0638	-1.1995	-2.39	5.29
237	Shell-Thick	SLU-STATICA	-10.6897	-1.3148	-2.39	5.03
237	Shell-Thick	SLU-STATICA	-10.9097	-1.7337	-2.54	5.03
237	Shell-Thick	SLU-SISMICA	-16.4309	-1.2152	-1.07	11.85
237	Shell-Thick	SLU-SISMICA	-16.0513	-0.1829	-0.57	11.85
237	Shell-Thick	SLU-SISMICA	-15.9222	-0.6261	-0.57	10.98
237	Shell-Thick	SLU-SISMICA	-16.3130	-1.5804	-1.07	10.98
237	Shell-Thick	SLE-RARA	-8.2867	-1.2947	-2.00	3.68
237	Shell-Thick	SLE-RARA	-8.1350	-0.9595	-1.90	3.68
237	Shell-Thick	SLE-RARA	-7.8393	-1.0306	-1.90	3.51
237	Shell-Thick	SLE-RARA	-7.9975	-1.3214	-2.00	3.51
237	Shell-Thick	SLE-FREQ.	-7.6587	-1.3009	-2.07	3.05
237	Shell-Thick	SLE-FREQ.	-7.5245	-1.0194	-2.00	3.05
237	Shell-Thick	SLE-FREQ.	-7.2160	-1.0618	-2.00	2.94
237	Shell-Thick	SLE-FREQ.	-7.3562	-1.3014	-2.07	2.94
237	Shell-Thick	SLE-QP	-5.7746	-1.3193	-2.28	1.16
237	Shell-Thick	SLE-QP	-5.6932	-1.1991	-2.31	1.16
237	Shell-Thick	SLE-QP	-5.3461	-1.1553	-2.31	1.21
237	Shell-Thick	SLE-QP	-5.4325	-1.2414	-2.28	1.21
238	Shell-Thick	SLU-STATICA	-11.6339	-1.8487	-3.47	5.05
238	Shell-Thick	SLU-STATICA	-11.1433	-1.4354	-3.28	5.05
238	Shell-Thick	SLU-STATICA	-10.6385	-0.9229	-3.28	4.72
238	Shell-Thick	SLU-STATICA	-11.1256	-1.3596	-3.47	4.72
238	Shell-Thick	SLU-SISMICA	-17.1337	-1.6772	-2.47	11.03
238	Shell-Thick	SLU-SISMICA	-16.3643	-0.7819	-1.95	11.03
238	Shell-Thick	SLU-SISMICA	-16.0361	-0.2738	-1.95	10.12
238	Shell-Thick	SLU-SISMICA	-16.7981	-1.2183	-2.47	10.12
238	Shell-Thick	SLE-RARA	-8.5414	-1.4094	-2.68	3.53
238	Shell-Thick	SLE-RARA	-8.1836	-1.1202	-2.55	3.53
238	Shell-Thick	SLE-RARA	-7.7923	-0.7316	-2.55	3.31
238	Shell-Thick	SLE-RARA	-8.1477	-1.0372	-2.68	3.31
238	Shell-Thick	SLE-FREQ.	-7.8789	-1.3887	-2.69	2.95
238	Shell-Thick	SLE-FREQ.	-7.5527	-1.1463	-2.60	2.95
238	Shell-Thick	SLE-FREQ.	-7.1566	-0.7669	-2.60	2.79
238	Shell-Thick	SLE-FREQ.	-7.4806	-1.0233	-2.69	2.79
238	Shell-Thick	SLE-QP	-5.8911	-1.3268	-2.74	1.21
238	Shell-Thick	SLE-QP	-5.6602	-1.2246	-2.74	1.21
238	Shell-Thick	SLE-QP	-5.2494	-0.8728	-2.74	1.21
238	Shell-Thick	SLE-QP	-5.4794	-0.9814	-2.74	1.21
239	Shell-Thick	SLU-STATICA	-11.7617	-1.4632	-4.03	4.74
239	Shell-Thick	SLU-STATICA	-11.1254	-1.0439	-3.77	4.74
239	Shell-Thick	SLU-STATICA	-10.6065	-0.9892	-3.77	4.35
239	Shell-Thick	SLU-STATICA	-11.2552	-1.3600	-4.03	4.35
239	Shell-Thick	SLU-SISMICA	-17.4996	-1.3048	-3.31	10.16
239	Shell-Thick	SLU-SISMICA	-16.5288	-0.4262	-2.76	10.16
239	Shell-Thick	SLU-SISMICA	-16.1211	-0.5448	-2.76	9.32
239	Shell-Thick	SLU-SISMICA	-17.1084	-1.3590	-3.31	9.32
239	Shell-Thick	SLE-RARA	-8.6264	-1.1166	-3.09	3.32
239	Shell-Thick	SLE-RARA	-8.1609	-0.8217	-2.91	3.32
239	Shell-Thick	SLE-RARA	-7.7622	-0.7717	-2.91	3.05
239	Shell-Thick	SLE-RARA	-8.2369	-1.0306	-3.09	3.05
239	Shell-Thick	SLE-FREQ.	-7.9421	-1.1021	-3.07	2.79
239	Shell-Thick	SLE-FREQ.	-7.5157	-0.8522	-2.92	2.79
239	Shell-Thick	SLE-FREQ.	-7.1176	-0.7892	-2.92	2.57
239	Shell-Thick	SLE-FREQ.	-7.5528	-1.0053	-3.07	2.57
239	Shell-Thick	SLE-QP	-5.8894	-1.0585	-3.02	1.21
239	Shell-Thick	SLE-QP	-5.5798	-0.9438	-2.95	1.21
239	Shell-Thick	SLE-QP	-5.1839	-0.8416	-2.95	1.12

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239	Shell-Thick	SLE-QP	-5.5005	-0.9293	-3.02	1.12
240	Shell-Thick	SLU-STATICA	28.3700	20.4322	28.94	49.34
240	Shell-Thick	SLU-STATICA	31.2682	24.2999	34.22	49.34
240	Shell-Thick	SLU-STATICA	26.5244	22.8561	34.22	40.22
240	Shell-Thick	SLU-STATICA	23.6367	18.9323	28.94	40.22
240	Shell-Thick	SLU-SISMICA	42.8955	34.4407	40.64	71.68
240	Shell-Thick	SLU-SISMICA	47.1117	40.1530	47.38	71.68
240	Shell-Thick	SLU-SISMICA	40.5044	38.0381	47.38	60.04
240	Shell-Thick	SLU-SISMICA	36.2961	32.2918	40.64	60.04
240	Shell-Thick	SLE-RARA	20.7733	14.7843	21.35	36.28
240	Shell-Thick	SLE-RARA	22.9037	17.6231	25.27	36.28
240	Shell-Thick	SLE-RARA	19.4020	16.5625	25.27	29.49
240	Shell-Thick	SLE-RARA	17.2797	13.6801	21.35	29.49
240	Shell-Thick	SLE-FREQ.	19.0674	13.2685	19.86	33.55
240	Shell-Thick	SLE-FREQ.	21.0369	15.8857	23.57	33.55
240	Shell-Thick	SLE-FREQ.	17.7747	14.9065	23.57	27.13
240	Shell-Thick	SLE-FREQ.	15.8133	12.2450	19.86	27.13
240	Shell-Thick	SLE-QP	13.9497	8.7212	15.40	25.36
240	Shell-Thick	SLE-QP	15.4367	10.6736	18.46	25.36
240	Shell-Thick	SLE-QP	12.8929	9.9383	18.46	20.07
240	Shell-Thick	SLE-QP	11.4141	7.9394	15.40	20.07
241	Shell-Thick	SLU-STATICA	20.8965	18.6762	28.85	40.42
241	Shell-Thick	SLU-STATICA	22.8673	21.8328	33.61	40.42
241	Shell-Thick	SLU-STATICA	18.1797	21.5508	33.61	32.19
241	Shell-Thick	SLU-STATICA	16.2115	18.3909	28.85	32.19
241	Shell-Thick	SLU-SISMICA	31.9542	31.7640	40.65	60.27
241	Shell-Thick	SLU-SISMICA	34.8766	36.5718	46.73	60.27
241	Shell-Thick	SLU-SISMICA	28.3239	36.0940	46.73	49.76
241	Shell-Thick	SLU-SISMICA	25.3976	31.3301	40.65	49.76
241	Shell-Thick	SLE-RARA	15.2832	13.4996	21.28	29.64
241	Shell-Thick	SLE-RARA	16.7290	15.8092	24.82	29.64
241	Shell-Thick	SLE-RARA	13.2700	15.6053	24.82	23.52
241	Shell-Thick	SLE-RARA	11.8263	13.2908	21.28	23.52
241	Shell-Thick	SLE-FREQ.	13.9976	12.0912	19.78	27.27
241	Shell-Thick	SLE-FREQ.	15.3296	14.2081	23.13	27.27
241	Shell-Thick	SLE-FREQ.	12.1092	14.0254	23.13	21.49
241	Shell-Thick	SLE-FREQ.	10.7798	11.8998	19.78	21.49
241	Shell-Thick	SLE-QP	10.1410	7.8659	15.30	20.19
241	Shell-Thick	SLE-QP	11.1314	9.4049	18.06	20.19
241	Shell-Thick	SLE-QP	8.6266	9.2855	18.06	15.42
241	Shell-Thick	SLE-QP	7.6403	7.7266	15.30	15.42
242	Shell-Thick	SLU-STATICA	13.7972	17.8970	27.03	32.18
242	Shell-Thick	SLU-STATICA	13.1099	20.5480	30.80	32.18
242	Shell-Thick	SLU-STATICA	8.7902	18.4179	30.80	25.68
242	Shell-Thick	SLU-STATICA	9.4398	16.0359	27.03	25.68
242	Shell-Thick	SLU-SISMICA	21.6540	30.4864	38.41	49.69
242	Shell-Thick	SLU-SISMICA	20.7193	34.6679	43.22	49.69
242	Shell-Thick	SLU-SISMICA	14.6268	31.3702	43.22	41.37
242	Shell-Thick	SLU-SISMICA	15.4989	27.6306	38.41	41.37
242	Shell-Thick	SLE-RARA	10.0632	12.9340	19.92	23.51
242	Shell-Thick	SLE-RARA	9.5547	14.8665	22.72	23.51
242	Shell-Thick	SLE-RARA	6.3699	13.3106	22.72	18.67
242	Shell-Thick	SLE-RARA	6.8510	11.5733	19.92	18.67
242	Shell-Thick	SLE-FREQ.	9.1694	11.5804	18.49	21.49
242	Shell-Thick	SLE-FREQ.	8.6938	13.3395	21.14	21.49
242	Shell-Thick	SLE-FREQ.	5.7332	11.9180	21.14	16.92
242	Shell-Thick	SLE-FREQ.	6.1841	10.3351	18.49	16.92
242	Shell-Thick	SLE-QP	6.4880	7.5199	14.21	15.44
242	Shell-Thick	SLE-QP	6.1110	8.7587	16.39	15.44
242	Shell-Thick	SLE-QP	3.8230	7.7401	16.39	11.67
242	Shell-Thick	SLE-QP	4.1835	6.6204	14.21	11.67
243	Shell-Thick	SLU-STATICA	6.7382	15.6830	24.08	25.79
243	Shell-Thick	SLU-STATICA	6.8073	17.8339	27.01	25.79
243	Shell-Thick	SLU-STATICA	2.9930	14.8618	27.01	20.73
243	Shell-Thick	SLU-STATICA	2.8878	12.9659	24.08	20.73
243	Shell-Thick	SLU-SISMICA	11.4161	27.0310	34.67	41.50
243	Shell-Thick	SLU-SISMICA	11.6842	30.5647	38.45	41.50
243	Shell-Thick	SLU-SISMICA	6.2281	26.0115	38.45	34.97
243	Shell-Thick	SLU-SISMICA	5.9009	22.8933	34.67	34.97

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243	Shell-Thick	SLE-RARA	4.8727	11.3182	17.72	18.76
243	Shell-Thick	SLE-RARA	4.9152	12.8791	19.89	18.76
243	Shell-Thick	SLE-RARA	2.1068	10.7059	19.89	15.00
243	Shell-Thick	SLE-RARA	2.0381	9.3301	17.72	15.00
243	Shell-Thick	SLE-FREQ.	4.3681	10.1065	16.41	17.01
243	Shell-Thick	SLE-FREQ.	4.3932	11.5153	18.46	17.01
243	Shell-Thick	SLE-FREQ.	1.7889	9.5256	18.46	13.46
243	Shell-Thick	SLE-FREQ.	1.7402	8.2842	16.41	13.46
243	Shell-Thick	SLE-QP	2.8544	6.4716	12.49	11.75
243	Shell-Thick	SLE-QP	2.8273	7.4240	14.17	11.75
243	Shell-Thick	SLE-QP	0.8355	5.9848	14.17	8.84
243	Shell-Thick	SLE-QP	0.8466	5.1465	12.49	8.84
244	Shell-Thick	SLU-STATICA	2.0905	12.7582	20.59	20.69
244	Shell-Thick	SLU-STATICA	1.1350	14.5384	22.77	20.69
244	Shell-Thick	SLU-STATICA	-2.0969	11.9362	22.77	16.93
244	Shell-Thick	SLU-STATICA	-1.1828	10.4443	20.59	16.93
244	Shell-Thick	SLU-SISMICA	4.7132	22.5361	30.27	34.87
244	Shell-Thick	SLU-SISMICA	3.4975	25.5851	33.09	34.87
244	Shell-Thick	SLU-SISMICA	-1.2230	21.5574	33.09	29.99
244	Shell-Thick	SLU-SISMICA	-0.0728	18.9643	30.27	29.99
244	Shell-Thick	SLE-RARA	1.4534	9.1802	15.12	14.97
244	Shell-Thick	SLE-RARA	0.7424	10.4659	16.74	14.97
244	Shell-Thick	SLE-RARA	-1.6325	8.5651	16.74	12.18
244	Shell-Thick	SLE-RARA	-0.9515	7.4896	15.12	12.18
244	Shell-Thick	SLE-FREQ.	1.2020	8.1503	13.95	13.43
244	Shell-Thick	SLE-FREQ.	0.5299	9.3001	15.47	13.43
244	Shell-Thick	SLE-FREQ.	-1.6640	7.5633	15.47	10.80
244	Shell-Thick	SLE-FREQ.	-1.0193	6.6047	13.95	10.80
244	Shell-Thick	SLE-QP	0.4479	5.0606	10.45	8.83
244	Shell-Thick	SLE-QP	-0.1075	5.8024	11.69	8.83
244	Shell-Thick	SLE-QP	-1.7588	4.5577	11.69	6.68
244	Shell-Thick	SLE-QP	-1.2226	3.9501	10.45	6.68
245	Shell-Thick	SLU-STATICA	-2.0775	10.3444	17.16	16.97
245	Shell-Thick	SLU-STATICA	-2.1872	11.8391	18.85	16.97
245	Shell-Thick	SLU-STATICA	-4.8679	8.5993	18.85	14.05
245	Shell-Thick	SLU-STATICA	-4.8000	7.3955	17.16	14.05
245	Shell-Thick	SLU-SISMICA	-1.3690	18.7881	25.91	30.03
245	Shell-Thick	SLU-SISMICA	-1.3014	21.4588	28.16	30.03
245	Shell-Thick	SLU-SISMICA	-5.3248	16.4820	28.16	26.15
245	Shell-Thick	SLU-SISMICA	-5.4580	14.2660	25.91	26.15
245	Shell-Thick	SLE-RARA	-1.6095	7.4177	12.57	12.21
245	Shell-Thick	SLE-RARA	-1.7014	8.4917	13.82	12.21
245	Shell-Thick	SLE-RARA	-3.6658	6.1233	13.82	10.04
245	Shell-Thick	SLE-RARA	-3.6043	5.2615	12.57	10.04
245	Shell-Thick	SLE-FREQ.	-1.6280	6.5409	11.54	10.83
245	Shell-Thick	SLE-FREQ.	-1.7323	7.4917	12.71	10.83
245	Shell-Thick	SLE-FREQ.	-3.5379	5.3245	12.71	8.80
245	Shell-Thick	SLE-FREQ.	-3.4614	4.5672	11.54	8.80
245	Shell-Thick	SLE-QP	-1.6836	3.9104	8.45	6.71
245	Shell-Thick	SLE-QP	-1.8248	4.4919	9.40	6.71
245	Shell-Thick	SLE-QP	-3.1541	2.9282	9.40	5.08
245	Shell-Thick	SLE-QP	-3.0326	2.4841	8.45	5.08
246	Shell-Thick	SLU-STATICA	-4.6334	7.3572	13.77	13.99
246	Shell-Thick	SLU-STATICA	-5.2687	8.5908	14.97	13.99
246	Shell-Thick	SLU-STATICA	-7.4091	6.7089	14.97	11.91
246	Shell-Thick	SLU-STATICA	-6.8047	5.6891	13.77	11.91
246	Shell-Thick	SLU-SISMICA	-5.1386	14.1988	21.53	26.05
246	Shell-Thick	SLU-SISMICA	-5.8534	16.5074	23.16	26.05
246	Shell-Thick	SLU-SISMICA	-9.1820	13.5203	23.16	23.22
246	Shell-Thick	SLU-SISMICA	-8.5150	11.5430	21.53	23.22
246	Shell-Thick	SLE-RARA	-3.4857	5.2340	10.04	10.00
246	Shell-Thick	SLE-RARA	-3.9631	6.1152	10.94	10.00
246	Shell-Thick	SLE-RARA	-5.5258	4.7442	10.94	8.46
246	Shell-Thick	SLE-RARA	-5.0709	4.0192	10.04	8.46
246	Shell-Thick	SLE-FREQ.	-3.3583	4.5427	9.16	8.77
246	Shell-Thick	SLE-FREQ.	-3.8174	5.3138	9.99	8.77
246	Shell-Thick	SLE-FREQ.	-5.2439	4.0675	9.99	7.32
246	Shell-Thick	SLE-FREQ.	-4.8054	3.4390	9.16	7.32
246	Shell-Thick	SLE-QP	-2.9759	2.4687	6.50	5.05

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246	Shell-Thick	SLE-QP	-3.3801	2.9097	7.17	5.05
246	Shell-Thick	SLE-QP	-4.3981	2.0372	7.17	3.91
246	Shell-Thick	SLE-QP	-4.0086	1.6985	6.50	3.91
247	Shell-Thick	SLU-STATICA	-6.8945	5.6811	10.81	11.91
247	Shell-Thick	SLU-STATICA	-7.0370	6.7733	11.76	11.91
247	Shell-Thick	SLU-STATICA	-8.7115	4.1245	11.76	10.27
247	Shell-Thick	SLU-STATICA	-8.6059	3.2871	10.81	10.27
247	Shell-Thick	SLU-SISMICA	-8.5524	11.5364	17.69	23.21
247	Shell-Thick	SLU-SISMICA	-8.5353	13.6488	19.03	23.21
247	Shell-Thick	SLU-SISMICA	-11.2622	9.5095	19.03	20.89
247	Shell-Thick	SLU-SISMICA	-11.3356	7.7857	17.69	20.89
247	Shell-Thick	SLE-RARA	-5.1416	4.0131	7.85	8.46
247	Shell-Thick	SLE-RARA	-5.2575	4.7898	8.55	8.46
247	Shell-Thick	SLE-RARA	-6.4740	2.8570	8.55	7.26
247	Shell-Thick	SLE-RARA	-6.3850	2.2666	7.85	7.26
247	Shell-Thick	SLE-FREQ.	-4.8786	3.4330	7.09	7.32
247	Shell-Thick	SLE-FREQ.	-5.0048	4.1067	7.74	7.32
247	Shell-Thick	SLE-FREQ.	-6.1047	2.3440	7.74	6.20
247	Shell-Thick	SLE-FREQ.	-6.0033	1.8410	7.09	6.20
247	Shell-Thick	SLE-QP	-4.0896	1.6925	4.81	3.91
247	Shell-Thick	SLE-QP	-4.2465	2.0573	5.31	3.91
247	Shell-Thick	SLE-QP	-4.9970	0.8050	5.31	3.05
247	Shell-Thick	SLE-QP	-4.8580	0.5642	4.81	3.05
248	Shell-Thick	SLU-STATICA	-8.2433	3.3042	7.98	10.23
248	Shell-Thick	SLU-STATICA	-8.5573	4.2108	8.63	10.23
248	Shell-Thick	SLU-STATICA	-9.7941	3.0144	8.63	9.10
248	Shell-Thick	SLU-STATICA	-9.4992	2.2400	7.98	9.10
248	Shell-Thick	SLU-SISMICA	-10.6666	7.8304	13.94	20.82
248	Shell-Thick	SLU-SISMICA	-10.9228	9.6666	14.92	20.82
248	Shell-Thick	SLU-SISMICA	-13.0737	7.6565	14.92	19.12
248	Shell-Thick	SLU-SISMICA	-12.8461	6.0184	13.94	19.12
248	Shell-Thick	SLE-RARA	-6.1255	2.2782	5.75	7.22
248	Shell-Thick	SLE-RARA	-6.3663	2.9188	6.23	7.22
248	Shell-Thick	SLE-RARA	-7.2579	2.0529	6.23	6.39
248	Shell-Thick	SLE-RARA	-7.0311	1.5091	5.75	6.39
248	Shell-Thick	SLE-FREQ.	-5.7754	1.8500	5.12	6.17
248	Shell-Thick	SLE-FREQ.	-6.0150	2.3985	5.56	6.17
248	Shell-Thick	SLE-FREQ.	-6.8095	1.6208	5.56	5.41
248	Shell-Thick	SLE-FREQ.	-6.5827	1.1613	5.12	5.41
248	Shell-Thick	SLE-QP	-4.7248	0.5656	3.22	3.03
248	Shell-Thick	SLE-QP	-4.9609	0.8375	3.55	3.03
248	Shell-Thick	SLE-QP	-5.4641	0.3244	3.55	2.47
248	Shell-Thick	SLE-QP	-5.2375	0.1182	3.22	2.47
249	Shell-Thick	SLU-STATICA	-9.3502	2.2526	5.63	9.08
249	Shell-Thick	SLU-STATICA	-9.4384	3.1027	6.14	9.08
249	Shell-Thick	SLU-STATICA	-10.3070	1.2220	6.14	8.20
249	Shell-Thick	SLU-STATICA	-10.2475	0.5692	5.63	8.20
249	Shell-Thick	SLU-SISMICA	-12.4717	6.0691	10.80	19.09
249	Shell-Thick	SLU-SISMICA	-12.4058	7.8143	11.63	19.09
249	Shell-Thick	SLU-SISMICA	-14.0670	4.7730	11.63	17.66
249	Shell-Thick	SLU-SISMICA	-14.1754	3.3210	10.80	17.66
249	Shell-Thick	SLE-RARA	-6.9295	1.5168	4.01	6.38
249	Shell-Thick	SLE-RARA	-7.0040	2.1163	4.38	6.38
249	Shell-Thick	SLE-RARA	-7.6227	0.7491	4.38	5.74
249	Shell-Thick	SLE-RARA	-7.5692	0.2942	4.01	5.74
249	Shell-Thick	SLE-FREQ.	-6.5021	1.1657	3.48	5.40
249	Shell-Thick	SLE-FREQ.	-6.5874	1.6769	3.82	5.40
249	Shell-Thick	SLE-FREQ.	-7.1257	0.4387	3.82	4.82
249	Shell-Thick	SLE-FREQ.	-7.0598	0.0608	3.48	4.82
249	Shell-Thick	SLE-QP	-5.2200	0.1126	1.91	2.46
249	Shell-Thick	SLE-QP	-5.3378	0.3587	2.14	2.46
249	Shell-Thick	SLE-QP	-5.6349	-0.4922	2.14	2.06
249	Shell-Thick	SLE-QP	-5.5315	-0.6394	1.91	2.06
250	Shell-Thick	SLU-STATICA	-10.0115	0.5850	3.42	8.17
250	Shell-Thick	SLU-STATICA	-10.0641	1.3020	3.76	8.17
250	Shell-Thick	SLU-STATICA	-10.5981	0.6687	3.76	7.58
250	Shell-Thick	SLU-STATICA	-10.5547	0.0155	3.42	7.58
250	Shell-Thick	SLU-SISMICA	-13.6411	3.3877	7.77	17.63
250	Shell-Thick	SLU-SISMICA	-13.5471	4.9172	8.40	17.63

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

250	Shell-Thick	SLU-SISMICA	-14.7539	3.7059	8.40	16.53
250	Shell-Thick	SLU-SISMICA	-14.8603	2.2637	7.77	16.53
250	Shell-Thick	SLE-RARA	-7.4052	0.3037	2.37	5.72
250	Shell-Thick	SLE-RARA	-7.4524	0.8065	2.62	5.72
250	Shell-Thick	SLE-RARA	-7.8235	0.3554	2.62	5.30
250	Shell-Thick	SLE-RARA	-7.7831	-0.1003	2.37	5.30
250	Shell-Thick	SLE-FREQ.	-6.9244	0.0658	1.96	4.80
250	Shell-Thick	SLE-FREQ.	-6.9824	0.4895	2.17	4.80
250	Shell-Thick	SLE-FREQ.	-7.2891	0.0970	2.17	4.43
250	Shell-Thick	SLE-FREQ.	-7.2374	-0.2826	1.96	4.43
250	Shell-Thick	SLE-QP	-5.4818	-0.6476	0.71	2.05
250	Shell-Thick	SLE-QP	-5.5725	-0.4615	0.84	2.05
250	Shell-Thick	SLE-QP	-5.6858	-0.6781	0.84	1.83
250	Shell-Thick	SLE-QP	-5.6002	-0.8294	0.71	1.83
251	Shell-Thick	SLU-STATICA	-10.4676	0.0122	1.64	7.56
251	Shell-Thick	SLU-STATICA	-10.4451	0.7200	1.90	7.56
251	Shell-Thick	SLU-STATICA	-10.7005	-0.4406	1.90	7.10
251	Shell-Thick	SLU-STATICA	-10.7435	-1.0083	1.64	7.10
251	Shell-Thick	SLU-SISMICA	-14.5265	2.3119	5.29	16.52
251	Shell-Thick	SLU-SISMICA	-14.3408	3.8070	5.85	16.52
251	Shell-Thick	SLU-SISMICA	-15.1618	1.8044	5.85	15.55
251	Shell-Thick	SLU-SISMICA	-15.3766	0.5098	5.29	15.55
251	Shell-Thick	SLE-RARA	-7.7295	-0.1054	1.06	5.28
251	Shell-Thick	SLE-RARA	-7.7205	0.3918	1.25	5.28
251	Shell-Thick	SLE-RARA	-7.8859	-0.4457	1.25	4.96
251	Shell-Thick	SLE-RARA	-7.9099	-0.8397	1.06	4.96
251	Shell-Thick	SLE-FREQ.	-7.2053	-0.2918	0.73	4.42
251	Shell-Thick	SLE-FREQ.	-7.2100	0.1284	0.89	4.42
251	Shell-Thick	SLE-FREQ.	-7.3248	-0.6192	0.89	4.14
251	Shell-Thick	SLE-FREQ.	-7.3341	-0.9437	0.73	4.14
251	Shell-Thick	SLE-QP	-5.6329	-0.8510	-0.25	1.82
251	Shell-Thick	SLE-QP	-5.6785	-0.6617	-0.17	1.82
251	Shell-Thick	SLE-QP	-5.6416	-1.1397	-0.17	1.69
251	Shell-Thick	SLE-QP	-5.6067	-1.2559	-0.25	1.69
252	Shell-Thick	SLU-STATICA	-10.7706	-1.0228	-9.217E-03	7.09
252	Shell-Thick	SLU-STATICA	-10.6068	-0.4128	0.17	7.09
252	Shell-Thick	SLU-STATICA	-10.6182	-0.5769	0.17	6.78
252	Shell-Thick	SLU-STATICA	-10.7839	-1.1735	-9.217E-03	6.78
252	Shell-Thick	SLU-SISMICA	-15.1881	0.5499	2.93	15.55
252	Shell-Thick	SLU-SISMICA	-14.8195	1.8705	3.40	15.55
252	Shell-Thick	SLU-SISMICA	-15.2944	1.3363	3.40	14.74
252	Shell-Thick	SLU-SISMICA	-15.6637	0.0219	2.93	14.74
252	Shell-Thick	SLE-RARA	-7.9412	-0.8534	-0.15	4.95
252	Shell-Thick	SLE-RARA	-7.8273	-0.4265	-2.936E-02	4.95
252	Shell-Thick	SLE-RARA	-7.8128	-0.5325	-2.936E-02	4.74
252	Shell-Thick	SLE-RARA	-7.9282	-0.9488	-0.15	4.74
252	Shell-Thick	SLE-FREQ.	-7.3824	-0.9616	-0.39	4.14
252	Shell-Thick	SLE-FREQ.	-7.2881	-0.6036	-0.29	4.14
252	Shell-Thick	SLE-FREQ.	-7.2359	-0.6766	-0.29	3.97
252	Shell-Thick	SLE-FREQ.	-7.3317	-1.0236	-0.39	3.97
252	Shell-Thick	SLE-QP	-5.7059	-1.2862	-1.11	1.69
252	Shell-Thick	SLE-QP	-5.6705	-1.1350	-1.09	1.69
252	Shell-Thick	SLE-QP	-5.5051	-1.1089	-1.09	1.65
252	Shell-Thick	SLE-QP	-5.5422	-1.2481	-1.11	1.65
253	Shell-Thick	SLU-STATICA	-10.9245	-1.2143	-1.29	6.77
253	Shell-Thick	SLU-STATICA	-10.7516	-0.5910	-1.13	6.77
253	Shell-Thick	SLU-STATICA	-10.5628	-1.1253	-1.13	6.49
253	Shell-Thick	SLU-STATICA	-10.7493	-1.6548	-1.29	6.49
253	Shell-Thick	SLU-SISMICA	-15.6277	0.0295	1.05	14.74
253	Shell-Thick	SLU-SISMICA	-15.2688	1.3411	1.51	14.74
253	Shell-Thick	SLU-SISMICA	-15.4519	0.2595	1.51	13.95
253	Shell-Thick	SLU-SISMICA	-15.8293	-0.9248	1.05	13.95
253	Shell-Thick	SLE-RARA	-8.0435	-0.9821	-1.10	4.73
253	Shell-Thick	SLE-RARA	-7.9218	-0.5440	-0.99	4.73
253	Shell-Thick	SLE-RARA	-7.7602	-0.9216	-0.99	4.54
253	Shell-Thick	SLE-RARA	-7.8920	-1.2903	-1.10	4.54
253	Shell-Thick	SLE-FREQ.	-7.4587	-1.0601	-1.26	3.96
253	Shell-Thick	SLE-FREQ.	-7.3553	-0.6894	-1.18	3.96
253	Shell-Thick	SLE-FREQ.	-7.1671	-1.0127	-1.18	3.82

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

253	Shell-Thick	SLE-FREQ.	-7.2800	-1.3185	-1.26	3.82
253	Shell-Thick	SLE-QP	-5.7042	-1.2941	-1.76	1.64
253	Shell-Thick	SLE-QP	-5.6557	-1.1255	-1.76	1.64
253	Shell-Thick	SLE-QP	-5.3877	-1.2860	-1.76	1.64
253	Shell-Thick	SLE-QP	-5.4438	-1.4030	-1.76	1.64
254	Shell-Thick	SLU-STATICA	-11.1219	-1.7167	-2.44	6.49
254	Shell-Thick	SLU-STATICA	-10.7287	-1.1712	-2.29	6.49
254	Shell-Thick	SLU-STATICA	-10.3749	-0.9065	-2.29	6.23
254	Shell-Thick	SLU-STATICA	-10.7657	-1.4680	-2.44	6.23
254	Shell-Thick	SLU-SISMICA	-16.1225	-0.9442	-0.67	13.98
254	Shell-Thick	SLU-SISMICA	-15.4624	0.2181	-0.22	13.98
254	Shell-Thick	SLU-SISMICA	-15.3985	0.3308	-0.22	13.21
254	Shell-Thick	SLU-SISMICA	-16.0525	-0.8721	-0.67	13.21
254	Shell-Thick	SLE-RARA	-8.1783	-1.3393	-1.94	4.55
254	Shell-Thick	SLE-RARA	-7.8937	-0.9566	-1.84	4.55
254	Shell-Thick	SLE-RARA	-7.6112	-0.7485	-1.84	4.37
254	Shell-Thick	SLE-RARA	-7.8942	-1.1420	-1.94	4.37
254	Shell-Thick	SLE-FREQ.	-7.5657	-1.3697	-2.04	3.82
254	Shell-Thick	SLE-FREQ.	-7.3101	-1.0472	-1.96	3.82
254	Shell-Thick	SLE-FREQ.	-7.0107	-0.8318	-1.96	3.69
254	Shell-Thick	SLE-FREQ.	-7.2650	-1.1628	-2.04	3.69
254	Shell-Thick	SLE-QP	-5.7279	-1.4611	-2.33	1.64
254	Shell-Thick	SLE-QP	-5.5591	-1.3190	-2.34	1.64
254	Shell-Thick	SLE-QP	-5.2091	-1.0814	-2.34	1.65
254	Shell-Thick	SLE-QP	-5.3777	-1.2253	-2.33	1.65
255	Shell-Thick	SLU-STATICA	-11.1998	-1.5494	-3.24	6.23
255	Shell-Thick	SLU-STATICA	-10.7501	-0.9869	-3.06	6.23
255	Shell-Thick	SLU-STATICA	-10.2721	-1.0624	-3.06	5.92
255	Shell-Thick	SLU-STATICA	-10.7317	-1.5573	-3.24	5.92
255	Shell-Thick	SLU-SISMICA	-16.4296	-0.9189	-1.91	13.23
255	Shell-Thick	SLU-SISMICA	-15.7036	0.2411	-1.44	13.23
255	Shell-Thick	SLU-SISMICA	-15.4461	-0.1340	-1.44	12.43
255	Shell-Thick	SLU-SISMICA	-16.1847	-1.2064	-1.91	12.43
255	Shell-Thick	SLE-RARA	-8.2260	-1.2055	-2.52	4.38
255	Shell-Thick	SLE-RARA	-7.8990	-0.8090	-2.40	4.38
255	Shell-Thick	SLE-RARA	-7.5258	-0.8513	-2.40	4.16
255	Shell-Thick	SLE-RARA	-7.8601	-1.1975	-2.52	4.16
255	Shell-Thick	SLE-FREQ.	-7.5934	-1.2276	-2.57	3.69
255	Shell-Thick	SLE-FREQ.	-7.2971	-0.8900	-2.47	3.69
255	Shell-Thick	SLE-FREQ.	-6.9150	-0.9066	-2.47	3.52
255	Shell-Thick	SLE-FREQ.	-7.2182	-1.1968	-2.57	3.52
255	Shell-Thick	SLE-QP	-5.6955	-1.2939	-2.72	1.64
255	Shell-Thick	SLE-QP	-5.4916	-1.1329	-2.70	1.64
255	Shell-Thick	SLE-QP	-5.0828	-1.0726	-2.70	1.61
255	Shell-Thick	SLE-QP	-5.2924	-1.1947	-2.72	1.61
256	Shell-Thick	SLU-STATICA	-11.1962	-1.6226	-3.81	5.94
256	Shell-Thick	SLU-STATICA	-10.4813	-1.1319	-3.60	5.94
256	Shell-Thick	SLU-STATICA	-9.9964	-0.7441	-3.60	5.62
256	Shell-Thick	SLU-STATICA	-10.7052	-1.2581	-3.81	5.62
256	Shell-Thick	SLU-SISMICA	-16.6174	-1.2349	-2.83	12.47
256	Shell-Thick	SLU-SISMICA	-15.5114	-0.2051	-2.38	12.47
256	Shell-Thick	SLU-SISMICA	-15.1749	0.1657	-2.38	11.78
256	Shell-Thick	SLU-SISMICA	-16.2679	-0.9130	-2.83	11.78
256	Shell-Thick	SLE-RARA	-8.2137	-1.2488	-2.94	4.17
256	Shell-Thick	SLE-RARA	-7.6914	-0.9038	-2.79	4.17
256	Shell-Thick	SLE-RARA	-7.3167	-0.6092	-2.79	3.95
256	Shell-Thick	SLE-RARA	-7.8346	-0.9705	-2.94	3.95
256	Shell-Thick	SLE-FREQ.	-7.5657	-1.2499	-2.95	3.53
256	Shell-Thick	SLE-FREQ.	-7.0884	-0.9577	-2.82	3.53
256	Shell-Thick	SLE-FREQ.	-6.7107	-0.6689	-2.82	3.35
256	Shell-Thick	SLE-FREQ.	-7.1843	-0.9749	-2.95	3.35
256	Shell-Thick	SLE-QP	-5.6216	-1.2531	-2.97	1.61
256	Shell-Thick	SLE-QP	-5.2794	-1.1194	-2.92	1.61
256	Shell-Thick	SLE-QP	-4.8928	-0.8482	-2.92	1.53
256	Shell-Thick	SLE-QP	-5.2333	-0.9882	-2.97	1.53
257	Shell-Thick	SLU-STATICA	32.0931	25.6736	33.59	55.30
257	Shell-Thick	SLU-STATICA	37.0572	29.8578	40.28	55.30
257	Shell-Thick	SLU-STATICA	31.4963	30.2729	40.28	43.74
257	Shell-Thick	SLU-STATICA	26.5713	25.8415	33.59	43.74



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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

257	Shell-Thick	SLU-SISMICA	48.2700	42.2045	46.51	79.11
257	Shell-Thick	SLU-SISMICA	55.4844	48.2903	55.05	79.11
257	Shell-Thick	SLU-SISMICA	47.8403	49.0247	55.05	64.35
257	Shell-Thick	SLU-SISMICA	40.6748	42.6301	46.51	64.35
257	Shell-Thick	SLE-RARA	23.5122	18.6302	24.81	40.72
257	Shell-Thick	SLE-RARA	27.1615	21.7060	29.78	40.72
257	Shell-Thick	SLE-RARA	23.0516	22.0046	29.78	32.11
257	Shell-Thick	SLE-RARA	19.4313	18.7446	24.81	32.11
257	Shell-Thick	SLE-FREQ.	21.6030	16.8124	23.13	37.76
257	Shell-Thick	SLE-FREQ.	24.9775	19.6560	27.84	37.76
257	Shell-Thick	SLE-FREQ.	21.1401	19.9210	27.84	29.63
257	Shell-Thick	SLE-FREQ.	17.7932	16.9027	23.13	29.63
257	Shell-Thick	SLE-QP	15.8756	11.3587	18.11	28.88
257	Shell-Thick	SLE-QP	18.4253	13.5060	21.99	28.88
257	Shell-Thick	SLE-QP	15.4055	13.6702	21.99	22.17
257	Shell-Thick	SLE-QP	12.8788	11.3771	18.11	22.17
258	Shell-Thick	SLU-STATICA	23.7692	25.2144	33.35	43.69
258	Shell-Thick	SLU-STATICA	23.4968	28.7397	38.91	43.69
258	Shell-Thick	SLU-STATICA	18.0956	26.6633	38.91	34.08
258	Shell-Thick	SLU-STATICA	18.3286	23.4232	33.35	34.08
258	Shell-Thick	SLU-SISMICA	36.1354	41.5115	46.41	64.21
258	Shell-Thick	SLU-SISMICA	35.6842	46.8041	53.49	64.21
258	Shell-Thick	SLU-SISMICA	28.2234	43.6807	53.49	51.97
258	Shell-Thick	SLU-SISMICA	28.6076	38.8667	46.41	51.97
258	Shell-Thick	SLE-RARA	17.3946	18.2939	24.62	32.08
258	Shell-Thick	SLE-RARA	17.1972	20.8771	28.76	32.08
258	Shell-Thick	SLE-RARA	13.2071	19.3559	28.76	24.93
258	Shell-Thick	SLE-RARA	13.3761	16.9792	24.62	24.93
258	Shell-Thick	SLE-FREQ.	15.9495	16.5036	22.94	29.61
258	Shell-Thick	SLE-FREQ.	15.7716	18.8778	26.85	29.61
258	Shell-Thick	SLE-FREQ.	12.0492	17.4802	26.85	22.85
258	Shell-Thick	SLE-FREQ.	12.2016	15.2914	22.94	22.85
258	Shell-Thick	SLE-QP	11.6140	11.1324	17.90	22.17
258	Shell-Thick	SLE-QP	11.4948	12.8798	21.13	22.17
258	Shell-Thick	SLE-QP	8.5753	11.8529	21.13	16.59
258	Shell-Thick	SLE-QP	8.6780	10.2280	17.90	16.59
259	Shell-Thick	SLU-STATICA	13.7377	22.7868	30.58	34.26
259	Shell-Thick	SLU-STATICA	14.1669	25.5958	34.73	34.26
259	Shell-Thick	SLU-STATICA	9.2866	21.9855	34.73	27.09
259	Shell-Thick	SLU-STATICA	8.8181	19.4578	30.58	27.09
259	Shell-Thick	SLU-SISMICA	21.5675	37.7889	42.95	52.18
259	Shell-Thick	SLU-SISMICA	22.2867	42.1632	48.24	52.18
259	Shell-Thick	SLU-SISMICA	15.4786	36.7319	48.24	43.04
259	Shell-Thick	SLU-SISMICA	14.6934	32.8235	42.95	43.04
259	Shell-Thick	SLE-RARA	10.0195	16.5190	22.56	25.07
259	Shell-Thick	SLE-RARA	10.3302	18.5694	25.64	25.07
259	Shell-Thick	SLE-RARA	6.7283	15.9245	25.64	19.73
259	Shell-Thick	SLE-RARA	6.3891	14.0780	22.56	19.73
259	Shell-Thick	SLE-FREQ.	9.1290	14.8788	20.99	22.98
259	Shell-Thick	SLE-FREQ.	9.4082	16.7500	23.90	22.98
259	Shell-Thick	SLE-FREQ.	6.0536	14.3200	23.90	17.93
259	Shell-Thick	SLE-FREQ.	5.7487	12.6324	20.99	17.93
259	Shell-Thick	SLE-QP	6.4575	9.9583	16.27	16.70
259	Shell-Thick	SLE-QP	6.6422	11.2919	18.68	16.70
259	Shell-Thick	SLE-QP	4.0293	9.5065	18.68	12.54
259	Shell-Thick	SLE-QP	3.8276	8.2959	16.27	12.54
260	Shell-Thick	SLU-STATICA	7.2608	19.0739	26.76	27.03
260	Shell-Thick	SLU-STATICA	5.9412	21.3888	29.75	27.03
260	Shell-Thick	SLU-STATICA	1.7286	17.8351	29.75	21.87
260	Shell-Thick	SLU-STATICA	2.9945	15.8962	26.76	21.87
260	Shell-Thick	SLU-SISMICA	12.2776	32.1634	38.12	42.90
260	Shell-Thick	SLU-SISMICA	10.4747	35.9081	41.93	42.90
260	Shell-Thick	SLU-SISMICA	4.5121	30.5333	41.93	36.33
260	Shell-Thick	SLU-SISMICA	6.2293	27.3859	38.12	36.33
260	Shell-Thick	SLE-RARA	5.2518	13.8008	19.71	19.69
260	Shell-Thick	SLE-RARA	4.2760	15.4837	21.93	19.69
260	Shell-Thick	SLE-RARA	1.1712	12.8816	21.93	15.85
260	Shell-Thick	SLE-RARA	2.1079	11.4727	19.71	15.85
260	Shell-Thick	SLE-FREQ.	4.7100	12.3849	18.29	17.90



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260	Shell-Thick	SLE-FREQ.	3.7980	13.9087	20.39	17.90
260	Shell-Thick	SLE-FREQ.	0.9136	11.5205	20.39	14.27
260	Shell-Thick	SLE-FREQ.	1.7901	10.2456	18.29	14.27
260	Shell-Thick	SLE-QP	3.0847	8.1369	14.03	12.53
260	Shell-Thick	SLE-QP	2.3640	9.1838	15.77	12.53
260	Shell-Thick	SLE-QP	0.1407	7.4369	15.77	9.54
260	Shell-Thick	SLE-QP	0.8366	6.5642	14.03	9.54
261	Shell-Thick	SLU-STATICA	1.3981	15.7255	22.73	21.96
261	Shell-Thick	SLU-STATICA	1.5479	17.6504	25.02	21.96
261	Shell-Thick	SLU-STATICA	-2.0072	13.0472	25.02	18.00
261	Shell-Thick	SLU-STATICA	-2.2107	11.4960	22.73	18.00
261	Shell-Thick	SLU-SISMICA	3.8154	27.0723	33.06	36.42
261	Shell-Thick	SLU-SISMICA	4.2470	30.3112	36.02	36.42
261	Shell-Thick	SLU-SISMICA	-0.8927	23.3829	36.02	31.31
261	Shell-Thick	SLU-SISMICA	-1.4089	20.7303	33.06	31.31
261	Shell-Thick	SLE-RARA	0.9390	11.3505	16.71	15.92
261	Shell-Thick	SLE-RARA	1.0384	12.7435	18.41	15.92
261	Shell-Thick	SLE-RARA	-1.5765	9.3714	18.41	12.98
261	Shell-Thick	SLE-RARA	-1.7150	8.2509	16.71	12.98
261	Shell-Thick	SLE-FREQ.	0.7172	10.1381	15.45	14.34
261	Shell-Thick	SLE-FREQ.	0.7910	11.3888	17.05	14.34
261	Shell-Thick	SLE-FREQ.	-1.6292	8.2910	17.05	11.56
261	Shell-Thick	SLE-FREQ.	-1.7386	7.2885	15.45	11.56
261	Shell-Thick	SLE-QP	0.0517	6.5011	11.66	9.59
261	Shell-Thick	SLE-QP	0.0487	7.3247	12.98	9.59
261	Shell-Thick	SLE-QP	-1.7874	5.0496	12.98	7.32
261	Shell-Thick	SLE-QP	-1.8094	4.4015	11.66	7.32
262	Shell-Thick	SLU-STATICA	-2.0327	11.4219	18.57	17.92
262	Shell-Thick	SLU-STATICA	-2.7848	13.0013	20.14	17.92
262	Shell-Thick	SLU-STATICA	-5.6686	10.6488	20.14	15.21
262	Shell-Thick	SLU-STATICA	-4.9564	9.3464	18.57	15.21
262	Shell-Thick	SLU-SISMICA	-1.1351	20.5828	27.75	31.15
262	Shell-Thick	SLU-SISMICA	-2.0337	23.3569	29.78	31.15
262	Shell-Thick	SLU-SISMICA	-6.3186	19.7415	29.78	27.64
262	Shell-Thick	SLU-SISMICA	-5.4826	17.4008	27.75	27.64
262	Shell-Thick	SLE-RARA	-1.5850	8.1984	13.61	12.92
262	Shell-Thick	SLE-RARA	-2.1476	9.3357	14.78	12.92
262	Shell-Thick	SLE-RARA	-4.2629	7.6160	14.78	10.91
262	Shell-Thick	SLE-RARA	-3.7294	6.6808	13.61	10.91
262	Shell-Thick	SLE-FREQ.	-1.6197	7.2434	12.52	11.51
262	Shell-Thick	SLE-FREQ.	-2.1564	8.2544	13.62	11.51
262	Shell-Thick	SLE-FREQ.	-4.1044	6.6810	13.62	9.62
262	Shell-Thick	SLE-FREQ.	-3.5942	5.8542	12.52	9.62
262	Shell-Thick	SLE-QP	-1.7238	4.3784	9.25	7.29
262	Shell-Thick	SLE-QP	-2.1827	5.0108	10.15	7.29
262	Shell-Thick	SLE-QP	-3.6288	3.8759	10.15	5.74
262	Shell-Thick	SLE-QP	-3.1886	3.3742	9.25	5.74
263	Shell-Thick	SLU-STATICA	-5.1629	9.3233	15.01	15.21
263	Shell-Thick	SLU-STATICA	-5.2061	10.7231	16.25	15.21
263	Shell-Thick	SLU-STATICA	-7.5272	6.9455	16.25	13.07
263	Shell-Thick	SLU-STATICA	-7.5332	5.8853	15.01	13.07
263	Shell-Thick	SLU-SISMICA	-5.7500	17.3484	23.23	27.63
263	Shell-Thick	SLU-SISMICA	-5.5843	19.8873	24.89	27.63
263	Shell-Thick	SLU-SISMICA	-9.1565	14.1342	24.89	24.75
263	Shell-Thick	SLU-SISMICA	-9.3979	12.1166	23.23	24.75
263	Shell-Thick	SLE-RARA	-3.8828	6.6648	10.97	10.91
263	Shell-Thick	SLE-RARA	-3.9260	7.6687	11.89	10.91
263	Shell-Thick	SLE-RARA	-5.6224	4.9047	11.89	9.32
263	Shell-Thick	SLE-RARA	-5.6152	4.1491	10.97	9.32
263	Shell-Thick	SLE-FREQ.	-3.7388	5.8410	10.02	9.62
263	Shell-Thick	SLE-FREQ.	-3.7981	6.7265	10.88	9.62
263	Shell-Thick	SLE-FREQ.	-5.3499	4.1930	10.88	8.13
263	Shell-Thick	SLE-FREQ.	-5.3235	3.5347	10.02	8.13
263	Shell-Thick	SLE-QP	-3.3069	3.3694	7.18	5.75
263	Shell-Thick	SLE-QP	-3.4145	3.8999	7.87	5.75
263	Shell-Thick	SLE-QP	-4.5323	2.0579	7.87	4.56
263	Shell-Thick	SLE-QP	-4.4485	1.6915	7.18	4.56
264	Shell-Thick	SLU-STATICA	-7.0116	5.9113	11.52	13.00
264	Shell-Thick	SLU-STATICA	-7.3161	7.0661	12.37	13.00

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264	Shell-Thick	SLU-STATICA	-9.0958	5.5706	12.37	11.55
264	Shell-Thick	SLU-STATICA	-8.8163	4.5896	11.52	11.55
264	Shell-Thick	SLU-SISMICA	-8.5417	12.1538	18.69	24.65
264	Shell-Thick	SLU-SISMICA	-8.7783	14.3438	19.85	24.65
264	Shell-Thick	SLU-SISMICA	-11.6500	11.9477	19.85	22.64
264	Shell-Thick	SLU-SISMICA	-11.4519	10.0237	18.69	22.64
264	Shell-Thick	SLE-RARA	-5.2367	4.1682	8.37	9.27
264	Shell-Thick	SLE-RARA	-5.4709	4.9917	9.00	9.27
264	Shell-Thick	SLE-RARA	-6.7649	3.9034	9.00	8.20
264	Shell-Thick	SLE-RARA	-6.5491	3.2070	8.37	8.20
264	Shell-Thick	SLE-FREQ.	-4.9819	3.5524	7.58	8.09
264	Shell-Thick	SLE-FREQ.	-5.2158	4.2705	8.16	8.09
264	Shell-Thick	SLE-FREQ.	-6.3882	3.2830	8.16	7.08
264	Shell-Thick	SLE-FREQ.	-6.1710	2.6813	7.58	7.08
264	Shell-Thick	SLE-QP	-4.2173	1.7050	5.19	4.53
264	Shell-Thick	SLE-QP	-4.4507	2.1070	5.65	4.53
264	Shell-Thick	SLE-QP	-5.2581	1.4221	5.65	3.74
264	Shell-Thick	SLE-QP	-5.0368	1.1043	5.19	3.74
265	Shell-Thick	SLU-STATICA	-8.5321	4.6146	8.69	11.52
265	Shell-Thick	SLU-STATICA	-8.6010	5.7014	9.36	11.52
265	Shell-Thick	SLU-STATICA	-9.9359	2.9934	9.36	10.37
265	Shell-Thick	SLU-STATICA	-9.9062	2.1761	8.69	10.37
265	Shell-Thick	SLU-SISMICA	-10.9206	10.0749	15.01	22.59
265	Shell-Thick	SLU-SISMICA	-10.8145	12.1699	15.98	22.59
265	Shell-Thick	SLU-SISMICA	-13.1098	7.9439	15.98	20.92
265	Shell-Thick	SLU-SISMICA	-13.2747	6.2540	15.01	20.92
265	Shell-Thick	SLE-RARA	-6.3461	3.2246	6.27	8.18
265	Shell-Thick	SLE-RARA	-6.4070	3.9979	6.76	8.18
265	Shell-Thick	SLE-RARA	-7.3706	2.0216	6.76	7.33
265	Shell-Thick	SLE-RARA	-7.3384	1.4458	6.27	7.33
265	Shell-Thick	SLE-FREQ.	-5.9933	2.6964	5.60	7.07
265	Shell-Thick	SLE-FREQ.	-6.0671	3.3677	6.05	7.07
265	Shell-Thick	SLE-FREQ.	-6.9281	1.5649	6.05	6.28
265	Shell-Thick	SLE-FREQ.	-6.8807	1.0750	5.60	6.28
265	Shell-Thick	SLE-QP	-4.9351	1.1116	3.58	3.73
265	Shell-Thick	SLE-QP	-5.0475	1.4772	3.92	3.73
265	Shell-Thick	SLE-QP	-5.6004	0.1948	3.92	3.14
265	Shell-Thick	SLE-QP	-5.5074	-0.0373	3.58	3.14
266	Shell-Thick	SLU-STATICA	-9.4711	2.2186	5.97	10.33
266	Shell-Thick	SLU-STATICA	-9.4771	3.1297	6.42	10.33
266	Shell-Thick	SLU-STATICA	-10.3998	2.2622	6.42	9.56
266	Shell-Thick	SLU-STATICA	-10.4070	1.4429	5.97	9.56
266	Shell-Thick	SLU-SISMICA	-12.4807	6.3450	11.37	20.86
266	Shell-Thick	SLU-SISMICA	-12.3032	8.1730	12.08	20.86
266	Shell-Thick	SLU-SISMICA	-14.0527	6.6516	12.08	19.64
266	Shell-Thick	SLU-SISMICA	-14.2493	4.9563	11.37	19.64
266	Shell-Thick	SLE-RARA	-7.0266	1.4756	4.25	7.31
266	Shell-Thick	SLE-RARA	-7.0403	2.1202	4.58	7.31
266	Shell-Thick	SLE-RARA	-7.6983	1.4955	4.58	6.74
266	Shell-Thick	SLE-RARA	-7.6943	0.9183	4.25	6.74
266	Shell-Thick	SLE-FREQ.	-6.6060	1.1001	3.71	6.26
266	Shell-Thick	SLE-FREQ.	-6.6345	1.6535	4.00	6.26
266	Shell-Thick	SLE-FREQ.	-7.2083	1.0979	4.00	5.75
266	Shell-Thick	SLE-FREQ.	-7.1889	0.6069	3.71	5.75
266	Shell-Thick	SLE-QP	-5.3443	-0.0264	2.06	3.12
266	Shell-Thick	SLE-QP	-5.4170	0.2532	2.27	3.12
266	Shell-Thick	SLE-QP	-5.7383	-0.0949	2.27	2.76
266	Shell-Thick	SLE-QP	-5.6724	-0.3272	2.06	2.76
267	Shell-Thick	SLU-STATICA	-10.0840	1.4668	3.82	9.53
267	Shell-Thick	SLU-STATICA	-10.0744	2.3680	4.17	9.53
267	Shell-Thick	SLU-STATICA	-10.6593	0.6106	4.17	8.92
267	Shell-Thick	SLU-STATICA	-10.6976	-0.0931	3.82	8.92
267	Shell-Thick	SLU-SISMICA	-13.5949	5.0321	8.48	19.60
267	Shell-Thick	SLU-SISMICA	-13.4097	6.8352	9.09	19.60
267	Shell-Thick	SLU-SISMICA	-14.7064	3.9686	9.09	18.55
267	Shell-Thick	SLU-SISMICA	-14.9335	2.4537	8.48	18.55
267	Shell-Thick	SLE-RARA	-7.4661	0.9338	2.66	6.72
267	Shell-Thick	SLE-RARA	-7.4675	1.5717	2.91	6.72
267	Shell-Thick	SLE-RARA	-7.8753	0.2954	2.91	6.28

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267	Shell-Thick	SLE-RARA	-7.8949	-0.1975	2.66	6.28
267	Shell-Thick	SLE-FREQ.	-6.9934	0.6178	2.21	5.72
267	Shell-Thick	SLE-FREQ.	-7.0093	1.1659	2.44	5.72
267	Shell-Thick	SLE-FREQ.	-7.3485	0.0122	2.44	5.34
267	Shell-Thick	SLE-FREQ.	-7.3521	-0.4019	2.21	5.34
267	Shell-Thick	SLE-QP	-5.5756	-0.3303	0.87	2.74
267	Shell-Thick	SLE-QP	-5.6347	-0.0518	1.01	2.74
267	Shell-Thick	SLE-QP	-5.7682	-0.8376	1.01	2.50
267	Shell-Thick	SLE-QP	-5.7238	-1.0152	0.87	2.50
268	Shell-Thick	SLU-STATICA	-10.5044	-0.0719	1.79	8.91
268	Shell-Thick	SLU-STATICA	-10.2940	0.7011	2.02	8.91
268	Shell-Thick	SLU-STATICA	-10.5777	0.3352	2.02	8.50
268	Shell-Thick	SLU-STATICA	-10.7926	-0.4057	1.79	8.50
268	Shell-Thick	SLU-SISMICA	-14.4393	2.5364	5.67	18.53
268	Shell-Thick	SLU-SISMICA	-13.9801	4.1301	6.14	18.53
268	Shell-Thick	SLU-SISMICA	-14.8636	3.3112	6.14	17.70
268	Shell-Thick	SLU-SISMICA	-15.3278	1.7531	5.67	17.70
268	Shell-Thick	SLE-RARA	-7.7635	-0.1844	1.16	6.27
268	Shell-Thick	SLE-RARA	-7.6165	0.3604	1.33	6.27
268	Shell-Thick	SLE-RARA	-7.8016	0.1058	1.33	5.98
268	Shell-Thick	SLE-RARA	-7.9520	-0.4149	1.16	5.98
268	Shell-Thick	SLE-FREQ.	-7.2487	-0.3943	0.81	5.32
268	Shell-Thick	SLE-FREQ.	-7.1258	0.0697	0.96	5.32
268	Shell-Thick	SLE-FREQ.	-7.2570	-0.1414	0.96	5.08
268	Shell-Thick	SLE-FREQ.	-7.3832	-0.5821	0.81	5.08
268	Shell-Thick	SLE-QP	-5.7043	-1.0237	-0.23	2.49
268	Shell-Thick	SLE-QP	-5.6537	-0.8023	-0.16	2.49
268	Shell-Thick	SLE-QP	-5.6233	-0.8830	-0.16	2.36
268	Shell-Thick	SLE-QP	-5.6769	-1.0837	-0.23	2.36
269	Shell-Thick	SLU-STATICA	-10.6509	-0.4095	0.22	8.47
269	Shell-Thick	SLU-STATICA	-10.5085	0.3813	0.42	8.47
269	Shell-Thick	SLU-STATICA	-10.5466	-0.6011	0.42	8.14
269	Shell-Thick	SLU-STATICA	-10.7090	-1.2552	0.22	8.14
269	Shell-Thick	SLU-SISMICA	-14.8882	1.8076	3.46	17.68
269	Shell-Thick	SLU-SISMICA	-14.5483	3.4077	3.91	17.68
269	Shell-Thick	SLU-SISMICA	-15.0872	1.6619	3.91	16.91
269	Shell-Thick	SLU-SISMICA	-15.4549	0.2532	3.46	16.91
269	Shell-Thick	SLE-RARA	-7.8595	-0.4208	8.148E-03	5.96
269	Shell-Thick	SLE-RARA	-7.7614	0.1381	0.14	5.96
269	Shell-Thick	SLE-RARA	-7.7653	-0.5682	0.14	5.73
269	Shell-Thick	SLE-RARA	-7.8782	-1.0262	8.148E-03	5.73
269	Shell-Thick	SLE-FREQ.	-7.3175	-0.5926	-0.26	5.06
269	Shell-Thick	SLE-FREQ.	-7.2380	-0.1140	-0.15	5.06
269	Shell-Thick	SLE-FREQ.	-7.2007	-0.7402	-0.15	4.87
269	Shell-Thick	SLE-FREQ.	-7.2939	-1.1249	-0.26	4.87
269	Shell-Thick	SLE-QP	-5.6915	-1.1081	-1.06	2.35
269	Shell-Thick	SLE-QP	-5.6679	-0.8704	-1.02	2.35
269	Shell-Thick	SLE-QP	-5.5069	-1.2561	-1.02	2.28
269	Shell-Thick	SLE-QP	-5.5411	-1.4209	-1.06	2.28
270	Shell-Thick	SLU-STATICA	-10.8207	-1.2736	-1.21	8.14
270	Shell-Thick	SLU-STATICA	-10.4233	-0.5803	-1.06	8.14
270	Shell-Thick	SLU-STATICA	-10.2537	-0.5249	-1.06	7.87
270	Shell-Thick	SLU-STATICA	-10.6501	-1.2243	-1.21	7.87
270	Shell-Thick	SLU-SISMICA	-15.3677	0.2931	1.38	16.93
270	Shell-Thick	SLU-SISMICA	-14.6735	1.7222	1.78	16.93
270	Shell-Thick	SLU-SISMICA	-14.9126	1.5154	1.78	16.24
270	Shell-Thick	SLU-SISMICA	-15.6027	0.0595	1.38	16.24
270	Shell-Thick	SLE-RARA	-7.9727	-1.0431	-1.05	5.73
270	Shell-Thick	SLE-RARA	-7.6863	-0.5545	-0.94	5.73
270	Shell-Thick	SLE-RARA	-7.5375	-0.4994	-0.94	5.55
270	Shell-Thick	SLE-RARA	-7.8232	-0.9916	-1.05	5.55
270	Shell-Thick	SLE-FREQ.	-7.4024	-1.1462	-1.23	4.86
270	Shell-Thick	SLE-FREQ.	-7.1475	-0.7300	-1.15	4.86
270	Shell-Thick	SLE-FREQ.	-6.9687	-0.6548	-1.15	4.72
270	Shell-Thick	SLE-FREQ.	-7.2233	-1.0727	-1.23	4.72
270	Shell-Thick	SLE-QP	-5.6917	-1.4553	-1.80	2.27
270	Shell-Thick	SLE-QP	-5.5312	-1.2567	-1.78	2.27
270	Shell-Thick	SLE-QP	-5.2626	-1.1209	-1.78	2.25
270	Shell-Thick	SLE-QP	-5.4236	-1.3159	-1.80	2.25

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271	Shell-Thick	SLU-STATICA	-10.7857	-1.2672	-2.25	7.86
271	Shell-Thick	SLU-STATICA	-10.4466	-0.5477	-2.09	7.86
271	Shell-Thick	SLU-STATICA	-10.1141	-0.9314	-2.09	7.59
271	Shell-Thick	SLU-STATICA	-10.4670	-1.5560	-2.25	7.59
271	Shell-Thick	SLU-SISMICA	-15.5380	0.0679	-0.17	16.23
271	Shell-Thick	SLU-SISMICA	-14.9472	1.5129	0.23	16.23
271	Shell-Thick	SLU-SISMICA	-14.9421	0.6589	0.23	15.54
271	Shell-Thick	SLU-SISMICA	-15.5511	-0.6605	-0.17	15.54
271	Shell-Thick	SLE-RARA	-7.9360	-1.0267	-1.81	5.54
271	Shell-Thick	SLE-RARA	-7.6915	-0.5177	-1.70	5.54
271	Shell-Thick	SLE-RARA	-7.4233	-0.7850	-1.70	5.36
271	Shell-Thick	SLE-RARA	-7.6780	-1.2237	-1.81	5.36
271	Shell-Thick	SLE-FREQ.	-7.3497	-1.1111	-1.93	4.71
271	Shell-Thick	SLE-FREQ.	-7.1320	-0.6743	-1.85	4.71
271	Shell-Thick	SLE-FREQ.	-6.8435	-0.8963	-1.85	4.57
271	Shell-Thick	SLE-FREQ.	-7.0708	-1.2671	-1.93	4.57
271	Shell-Thick	SLE-QP	-5.5911	-1.3643	-2.31	2.24
271	Shell-Thick	SLE-QP	-5.4535	-1.1441	-2.30	2.24
271	Shell-Thick	SLE-QP	-5.1041	-1.2304	-2.30	2.21
271	Shell-Thick	SLE-QP	-5.2495	-1.3974	-2.31	2.21
272	Shell-Thick	SLU-STATICA	-10.8252	-1.6068	-3.12	7.60
272	Shell-Thick	SLU-STATICA	-10.1974	-0.9690	-2.95	7.60
272	Shell-Thick	SLU-STATICA	-9.7435	-0.6374	-2.95	7.32
272	Shell-Thick	SLU-STATICA	-10.3680	-1.2976	-3.12	7.32
272	Shell-Thick	SLU-SISMICA	-15.8030	-0.6615	-1.54	15.58
272	Shell-Thick	SLU-SISMICA	-14.8027	0.6373	-1.14	15.58
272	Shell-Thick	SLU-SISMICA	-14.6055	0.8647	-1.14	14.90
272	Shell-Thick	SLU-SISMICA	-15.5979	-0.4873	-1.54	14.90
272	Shell-Thick	SLE-RARA	-7.9547	-1.2646	-2.44	5.36
272	Shell-Thick	SLE-RARA	-7.4975	-0.8142	-2.33	5.36
272	Shell-Thick	SLE-RARA	-7.1408	-0.5578	-2.33	5.17
272	Shell-Thick	SLE-RARA	-7.5957	-1.0236	-2.44	5.17
272	Shell-Thick	SLE-FREQ.	-7.3495	-1.3111	-2.51	4.58
272	Shell-Thick	SLE-FREQ.	-6.9342	-0.9262	-2.42	4.58
272	Shell-Thick	SLE-FREQ.	-6.5652	-0.6675	-2.42	4.42
272	Shell-Thick	SLE-FREQ.	-6.9786	-1.0650	-2.51	4.42
272	Shell-Thick	SLE-QP	-5.5338	-1.4506	-2.72	2.21
272	Shell-Thick	SLE-QP	-5.2442	-1.2620	-2.69	2.21
272	Shell-Thick	SLE-QP	-4.8383	-0.9966	-2.69	2.17
272	Shell-Thick	SLE-QP	-5.1274	-1.1890	-2.72	2.17
273	Shell-Thick	SLU-STATICA	-10.5561	-1.3405	-3.57	7.31
273	Shell-Thick	SLU-STATICA	-9.9924	-0.6818	-3.39	7.31
273	Shell-Thick	SLU-STATICA	-9.5258	-0.8772	-3.39	7.03
273	Shell-Thick	SLU-STATICA	-10.1077	-1.4658	-3.57	7.03
273	Shell-Thick	SLU-SISMICA	-15.6122	-0.4812	-2.34	14.90
273	Shell-Thick	SLU-SISMICA	-14.7115	0.8346	-1.95	14.90
273	Shell-Thick	SLU-SISMICA	-14.4179	0.3263	-1.95	14.32
273	Shell-Thick	SLU-SISMICA	-15.3421	-0.8983	-2.34	14.32
273	Shell-Thick	SLE-RARA	-7.7468	-1.0586	-2.77	5.16
273	Shell-Thick	SLE-RARA	-7.3365	-0.5922	-2.64	5.16
273	Shell-Thick	SLE-RARA	-6.9743	-0.7247	-2.64	4.97
273	Shell-Thick	SLE-RARA	-7.3982	-1.1390	-2.77	4.97
273	Shell-Thick	SLE-FREQ.	-7.1403	-1.1031	-2.80	4.41
273	Shell-Thick	SLE-FREQ.	-6.7677	-0.7022	-2.69	4.41
273	Shell-Thick	SLE-FREQ.	-6.4003	-0.8057	-2.69	4.24
273	Shell-Thick	SLE-FREQ.	-6.7856	-1.1575	-2.80	4.24
273	Shell-Thick	SLE-QP	-5.3208	-1.2367	-2.90	2.16
273	Shell-Thick	SLE-QP	-5.0616	-1.0323	-2.85	2.16
273	Shell-Thick	SLE-QP	-4.6783	-1.0489	-2.85	2.08
273	Shell-Thick	SLE-QP	-4.9478	-1.2132	-2.90	2.08
274	Shell-Thick	SLU-STATICA	38.4141	35.1208	39.93	61.66
274	Shell-Thick	SLU-STATICA	40.6598	39.9183	48.81	61.66
274	Shell-Thick	SLU-STATICA	34.0155	37.6260	48.81	46.30
274	Shell-Thick	SLU-STATICA	31.7438	33.0319	39.93	46.30
274	Shell-Thick	SLU-SISMICA	57.4146	56.1691	54.64	86.98
274	Shell-Thick	SLU-SISMICA	60.4998	63.0658	66.03	86.98
274	Shell-Thick	SLU-SISMICA	51.4719	59.8059	66.03	67.30
274	Shell-Thick	SLU-SISMICA	48.3372	53.2812	54.64	67.30
274	Shell-Thick	SLE-RARA	28.1611	25.5636	29.52	45.46

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274	Shell-Thick	SLE-RARA	29.8210	29.0943	36.13	45.46
274	Shell-Thick	SLE-RARA	24.9051	27.4055	36.13	34.04
274	Shell-Thick	SLE-RARA	23.2267	24.0206	29.52	34.04
274	Shell-Thick	SLE-FREQ.	25.9053	23.2035	27.58	42.26
274	Shell-Thick	SLE-FREQ.	27.4552	26.4746	33.82	42.26
274	Shell-Thick	SLE-FREQ.	22.8565	24.9070	33.82	31.47
274	Shell-Thick	SLE-FREQ.	21.2904	21.7642	27.58	31.47
274	Shell-Thick	SLE-QP	19.1378	16.1233	21.77	32.65
274	Shell-Thick	SLE-QP	20.3580	18.6157	26.91	32.65
274	Shell-Thick	SLE-QP	16.7105	17.4116	26.91	23.78
274	Shell-Thick	SLE-QP	15.4814	14.9951	21.77	23.78
275	Shell-Thick	SLU-STATICA	24.4785	31.9359	38.51	46.53
275	Shell-Thick	SLU-STATICA	25.8465	35.6350	44.90	46.53
275	Shell-Thick	SLU-STATICA	19.6072	32.3492	44.90	35.48
275	Shell-Thick	SLU-STATICA	18.2033	28.9138	38.51	35.48
275	Shell-Thick	SLU-SISMICA	37.0438	51.4204	52.97	67.55
275	Shell-Thick	SLU-SISMICA	39.0016	56.9140	61.09	67.55
275	Shell-Thick	SLU-SISMICA	30.4758	52.0598	61.09	53.52
275	Shell-Thick	SLU-SISMICA	28.4550	47.0208	52.97	53.52
275	Shell-Thick	SLE-RARA	17.9222	23.2283	28.46	34.21
275	Shell-Thick	SLE-RARA	18.9294	25.9418	33.21	34.21
275	Shell-Thick	SLE-RARA	14.3156	23.5302	33.21	25.99
275	Shell-Thick	SLE-RARA	13.2826	21.0069	28.46	25.99
275	Shell-Thick	SLE-FREQ.	16.4477	21.0543	26.57	31.64
275	Shell-Thick	SLE-FREQ.	17.3816	23.5534	31.07	31.64
275	Shell-Thick	SLE-FREQ.	13.0694	21.3302	31.07	23.86
275	Shell-Thick	SLE-FREQ.	12.1126	19.0009	26.57	23.86
275	Shell-Thick	SLE-QP	12.0241	14.5324	20.90	23.93
275	Shell-Thick	SLE-QP	12.7381	16.3884	24.62	23.93
275	Shell-Thick	SLE-QP	9.3310	14.7302	24.62	17.49
275	Shell-Thick	SLE-QP	8.6026	12.9829	20.90	17.49
276	Shell-Thick	SLU-STATICA	14.8940	28.0939	34.46	35.36
276	Shell-Thick	SLU-STATICA	12.5984	31.1054	38.70	35.36
276	Shell-Thick	SLU-STATICA	7.1459	26.0374	38.70	28.03
276	Shell-Thick	SLU-STATICA	9.3689	23.5342	34.46	28.03
276	Shell-Thick	SLU-SISMICA	23.2705	45.6497	47.89	53.28
276	Shell-Thick	SLU-SISMICA	19.9346	50.2858	53.25	53.28
276	Shell-Thick	SLU-SISMICA	12.4049	42.7236	53.25	44.02
276	Shell-Thick	SLU-SISMICA	15.6248	38.8956	47.89	44.02
276	Shell-Thick	SLE-RARA	10.8684	20.4132	25.44	25.90
276	Shell-Thick	SLE-RARA	9.1808	22.6141	28.60	25.90
276	Shell-Thick	SLE-RARA	5.1527	18.8982	28.60	20.44
276	Shell-Thick	SLE-RARA	6.7875	17.0674	25.44	20.44
276	Shell-Thick	SLE-FREQ.	9.9120	18.4671	23.71	23.79
276	Shell-Thick	SLE-FREQ.	8.3515	20.4803	26.70	23.79
276	Shell-Thick	SLE-FREQ.	4.5935	17.0609	26.70	18.62
276	Shell-Thick	SLE-FREQ.	6.1060	15.3842	23.71	18.62
276	Shell-Thick	SLE-QP	7.0430	12.6289	18.52	17.46
276	Shell-Thick	SLE-QP	5.8637	14.0788	21.00	17.46
276	Shell-Thick	SLE-QP	2.9157	11.5492	21.00	13.17
276	Shell-Thick	SLE-QP	4.0616	10.3345	18.52	13.17
277	Shell-Thick	SLU-STATICA	6.2846	23.2323	29.77	28.22
277	Shell-Thick	SLU-STATICA	6.9906	25.6915	32.99	28.22
277	Shell-Thick	SLU-STATICA	2.3178	18.7384	32.99	22.65
277	Shell-Thick	SLU-STATICA	1.5412	16.7718	29.77	22.65
277	Shell-Thick	SLU-SISMICA	10.8956	38.3440	41.99	44.26
277	Shell-Thick	SLU-SISMICA	12.1151	42.2714	46.11	44.26
277	Shell-Thick	SLU-SISMICA	5.5615	31.9465	46.11	37.14
277	Shell-Thick	SLU-SISMICA	4.2304	28.7933	41.99	37.14
277	Shell-Thick	SLE-RARA	4.5324	16.8510	21.95	20.59
277	Shell-Thick	SLE-RARA	5.0417	18.6413	24.34	20.59
277	Shell-Thick	SLE-RARA	1.5947	13.5407	24.34	16.44
277	Shell-Thick	SLE-RARA	1.0338	12.1097	21.95	16.44
277	Shell-Thick	SLE-FREQ.	4.0417	15.1937	20.40	18.76
277	Shell-Thick	SLE-FREQ.	4.4962	16.8192	22.67	18.76
277	Shell-Thick	SLE-FREQ.	1.2888	12.1214	22.67	14.85
277	Shell-Thick	SLE-FREQ.	0.7874	10.8232	20.40	14.85
277	Shell-Thick	SLE-QP	2.5696	10.2215	15.76	13.29
277	Shell-Thick	SLE-QP	2.8599	11.3526	17.63	13.29

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277	Shell-Thick	SLE-QP	0.3711	7.8634	17.63	10.06
277	Shell-Thick	SLE-QP	0.0479	6.9636	15.76	10.06
278	Shell-Thick	SLU-STATICA	1.7228	16.6293	24.57	22.52
278	Shell-Thick	SLU-STATICA	0.7966	18.6130	26.60	22.52
278	Shell-Thick	SLU-STATICA	-3.0165	15.9028	26.60	19.02
278	Shell-Thick	SLU-STATICA	-2.1412	14.2731	24.57	19.02
278	Shell-Thick	SLU-SISMICA	4.4296	28.5095	35.38	36.90
278	Shell-Thick	SLU-SISMICA	3.2466	31.8071	37.92	36.90
278	Shell-Thick	SLU-SISMICA	-2.2118	27.7533	37.92	32.50
278	Shell-Thick	SLU-SISMICA	-1.1094	25.0137	35.38	32.50
278	Shell-Thick	SLE-RARA	1.1706	12.0087	18.08	16.35
278	Shell-Thick	SLE-RARA	0.4816	13.4464	19.59	16.35
278	Shell-Thick	SLE-RARA	-2.3258	11.4597	19.59	13.74
278	Shell-Thick	SLE-RARA	-1.6739	10.2802	18.08	13.74
278	Shell-Thick	SLE-FREQ.	0.9193	10.7363	16.75	14.76
278	Shell-Thick	SLE-FREQ.	0.2683	12.0305	18.17	14.76
278	Shell-Thick	SLE-FREQ.	-2.3346	10.2033	18.17	12.29
278	Shell-Thick	SLE-FREQ.	-1.7174	9.1440	16.75	12.29
278	Shell-Thick	SLE-QP	0.1654	6.9190	12.74	10.01
278	Shell-Thick	SLE-QP	-0.3713	7.7830	13.93	10.01
278	Shell-Thick	SLE-QP	-2.3609	6.4340	13.93	7.95
278	Shell-Thick	SLE-QP	-1.8480	5.7356	12.74	7.95
279	Shell-Thick	SLU-STATICA	-2.6562	14.2014	20.26	19.03
279	Shell-Thick	SLU-STATICA	-2.5503	15.9648	21.88	19.03
279	Shell-Thick	SLU-STATICA	-5.6784	10.4813	21.88	16.21
279	Shell-Thick	SLU-STATICA	-5.8511	9.1795	20.26	16.21
279	Shell-Thick	SLU-SISMICA	-1.9095	24.8601	29.97	32.48
279	Shell-Thick	SLU-SISMICA	-1.5301	27.8832	32.08	32.48
279	Shell-Thick	SLU-SISMICA	-6.1339	19.6823	32.08	28.85
279	Shell-Thick	SLU-SISMICA	-6.6164	17.3700	29.97	28.85
279	Shell-Thick	SLE-RARA	-2.0499	10.2298	14.87	13.75
279	Shell-Thick	SLE-RARA	-1.9833	11.5033	16.08	13.75
279	Shell-Thick	SLE-RARA	-4.2800	7.4836	16.08	11.65
279	Shell-Thick	SLE-RARA	-4.3955	6.5476	14.87	11.65
279	Shell-Thick	SLE-FREQ.	-2.0607	9.1017	13.70	12.30
279	Shell-Thick	SLE-FREQ.	-2.0182	10.2402	14.84	12.30
279	Shell-Thick	SLE-FREQ.	-4.1371	6.5430	14.84	10.33
279	Shell-Thick	SLE-FREQ.	-4.2242	5.7130	13.70	10.33
279	Shell-Thick	SLE-QP	-2.0931	5.7171	10.20	7.97
279	Shell-Thick	SLE-QP	-2.1231	6.4510	11.14	7.97
279	Shell-Thick	SLE-QP	-3.7082	3.7209	11.14	6.35
279	Shell-Thick	SLE-QP	-3.7104	3.2094	10.20	6.35
280	Shell-Thick	SLU-STATICA	-5.2019	9.2033	15.89	16.13
280	Shell-Thick	SLU-STATICA	-5.4370	10.6356	16.95	16.13
280	Shell-Thick	SLU-STATICA	-7.8853	8.9281	16.95	14.30
280	Shell-Thick	SLU-STATICA	-7.6816	7.7137	15.89	14.30
280	Shell-Thick	SLU-SISMICA	-5.6342	17.3790	24.36	28.70
280	Shell-Thick	SLU-SISMICA	-5.7714	19.9423	25.73	28.70
280	Shell-Thick	SLU-SISMICA	-9.5049	17.3153	25.73	26.33
280	Shell-Thick	SLU-SISMICA	-9.4168	15.0911	24.36	26.33
280	Shell-Thick	SLE-RARA	-3.9201	6.5663	11.62	11.59
280	Shell-Thick	SLE-RARA	-4.1031	7.5953	12.41	11.59
280	Shell-Thick	SLE-RARA	-5.8942	6.3473	12.41	10.23
280	Shell-Thick	SLE-RARA	-5.7342	5.4774	11.62	10.23
280	Shell-Thick	SLE-FREQ.	-3.7880	5.7325	10.64	10.28
280	Shell-Thick	SLE-FREQ.	-3.9745	6.6432	11.38	10.28
280	Shell-Thick	SLE-FREQ.	-5.6158	5.5015	11.38	8.99
280	Shell-Thick	SLE-FREQ.	-5.4502	4.7361	10.64	8.99
280	Shell-Thick	SLE-QP	-3.3914	3.2311	7.69	6.32
280	Shell-Thick	SLE-QP	-3.5886	3.7869	8.30	6.32
280	Shell-Thick	SLE-QP	-4.7805	2.9642	8.30	5.27
280	Shell-Thick	SLE-QP	-4.5983	2.5121	7.69	5.27
281	Shell-Thick	SLU-STATICA	-7.2869	7.7342	12.48	14.25
281	Shell-Thick	SLU-STATICA	-7.3441	9.0947	13.32	14.25
281	Shell-Thick	SLU-STATICA	-9.2532	5.2706	13.32	12.79
281	Shell-Thick	SLU-STATICA	-9.2497	4.2790	12.48	12.79
281	Shell-Thick	SLU-SISMICA	-8.7812	15.1135	20.02	26.24
281	Shell-Thick	SLU-SISMICA	-8.6543	17.5901	21.16	26.24
281	Shell-Thick	SLU-SISMICA	-11.7034	11.7742	21.16	24.27

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281	Shell-Thick	SLU-SISMICA	-11.9115	9.8563	20.02	24.27
281	Shell-Thick	SLE-RARA	-5.4471	5.4929	9.08	10.20
281	Shell-Thick	SLE-RARA	-5.4996	6.4682	9.71	10.20
281	Shell-Thick	SLE-RARA	-6.8894	3.6697	9.71	9.12
281	Shell-Thick	SLE-RARA	-6.8762	2.9645	9.08	9.12
281	Shell-Thick	SLE-FREQ.	-5.1900	4.7510	8.24	8.96
281	Shell-Thick	SLE-FREQ.	-5.2563	5.6105	8.82	8.96
281	Shell-Thick	SLE-FREQ.	-6.5182	3.0447	8.82	7.95
281	Shell-Thick	SLE-FREQ.	-6.4879	2.4330	8.24	7.95
281	Shell-Thick	SLE-QP	-4.4187	2.5254	5.71	5.25
281	Shell-Thick	SLE-QP	-4.5265	3.0376	6.17	5.25
281	Shell-Thick	SLE-QP	-5.4045	1.1698	6.17	4.45
281	Shell-Thick	SLE-QP	-5.3230	0.8387	5.71	4.45
282	Shell-Thick	SLU-STATICA	-8.6563	4.3416	9.11	12.74
282	Shell-Thick	SLU-STATICA	-8.5495	5.4674	9.67	12.74
282	Shell-Thick	SLU-STATICA	-9.9493	4.3976	9.67	11.77
282	Shell-Thick	SLU-STATICA	-10.0731	3.3906	9.11	11.77
282	Shell-Thick	SLU-SISMICA	-10.9337	9.9580	15.60	24.20
282	Shell-Thick	SLU-SISMICA	-10.5827	12.0922	16.39	24.20
282	Shell-Thick	SLU-SISMICA	-12.9699	10.3322	16.39	22.83
282	Shell-Thick	SLU-SISMICA	-13.3466	8.3760	15.60	22.83
282	Shell-Thick	SLE-RARA	-6.4457	3.0100	6.58	9.09
282	Shell-Thick	SLE-RARA	-6.3770	3.8128	6.99	9.09
282	Shell-Thick	SLE-RARA	-7.3884	3.0365	6.99	8.37
282	Shell-Thick	SLE-RARA	-7.4697	2.3208	6.58	8.37
282	Shell-Thick	SLE-FREQ.	-6.0996	2.4742	5.88	7.92
282	Shell-Thick	SLE-FREQ.	-6.0527	3.1743	6.27	7.92
282	Shell-Thick	SLE-FREQ.	-6.9580	2.4740	6.27	7.26
282	Shell-Thick	SLE-FREQ.	-7.0165	1.8538	5.88	7.26
282	Shell-Thick	SLE-QP	-5.0613	0.8669	3.79	4.43
282	Shell-Thick	SLE-QP	-5.0797	1.2590	4.09	4.43
282	Shell-Thick	SLE-QP	-5.6668	0.7862	4.09	3.91
282	Shell-Thick	SLE-QP	-5.6569	0.4530	3.79	3.91
283	Shell-Thick	SLU-STATICA	-9.4993	3.4333	6.51	11.72
283	Shell-Thick	SLU-STATICA	-9.5167	4.5562	6.95	11.72
283	Shell-Thick	SLU-STATICA	-10.5064	2.0534	6.95	10.96
283	Shell-Thick	SLU-STATICA	-10.5287	1.2034	6.51	10.96
283	Shell-Thick	SLU-SISMICA	-12.3647	8.4630	12.21	22.74
283	Shell-Thick	SLU-SISMICA	-12.2096	10.5936	12.87	22.74
283	Shell-Thick	SLU-SISMICA	-14.0619	6.6644	12.87	21.59
283	Shell-Thick	SLU-SISMICA	-14.2759	4.9382	12.21	21.59
283	Shell-Thick	SLE-RARA	-7.0552	2.3509	4.65	8.33
283	Shell-Thick	SLE-RARA	-7.0769	3.1516	4.97	8.33
283	Shell-Thick	SLE-RARA	-7.7839	1.3262	4.97	7.78
283	Shell-Thick	SLE-RARA	-7.7913	0.7258	4.65	7.78
283	Shell-Thick	SLE-FREQ.	-6.6457	1.8796	4.07	7.22
283	Shell-Thick	SLE-FREQ.	-6.6812	2.5777	4.36	7.22
283	Shell-Thick	SLE-FREQ.	-7.2998	0.9146	4.36	6.71
283	Shell-Thick	SLE-FREQ.	-7.2912	0.4010	4.07	6.71
283	Shell-Thick	SLE-QP	-5.4174	0.4656	2.32	3.88
283	Shell-Thick	SLE-QP	-5.4938	0.8561	2.53	3.88
283	Shell-Thick	SLE-QP	-5.8474	-0.3203	2.53	3.51
283	Shell-Thick	SLE-QP	-5.7911	-0.5735	2.32	3.51
284	Shell-Thick	SLU-STATICA	-10.1517	1.2557	4.00	10.94
284	Shell-Thick	SLU-STATICA	-9.8406	2.2096	4.30	10.94
284	Shell-Thick	SLU-STATICA	-10.4593	1.6499	4.30	10.43
284	Shell-Thick	SLU-STATICA	-10.7775	0.7450	4.00	10.43
284	Shell-Thick	SLU-SISMICA	-13.5453	5.0531	8.83	21.56
284	Shell-Thick	SLU-SISMICA	-12.9235	6.9233	9.33	21.56
284	Shell-Thick	SLU-SISMICA	-14.2809	5.8528	9.33	20.70
284	Shell-Thick	SLU-SISMICA	-14.9117	4.0462	8.83	20.70
284	Shell-Thick	SLE-RARA	-7.5233	0.7623	2.79	7.76
284	Shell-Thick	SLE-RARA	-7.3030	1.4395	3.00	7.76
284	Shell-Thick	SLE-RARA	-7.7350	1.0408	3.00	7.39
284	Shell-Thick	SLE-RARA	-7.9605	0.4001	2.79	7.39
284	Shell-Thick	SLE-FREQ.	-7.0589	0.4315	2.32	6.70
284	Shell-Thick	SLE-FREQ.	-6.8696	1.0166	2.52	6.70
284	Shell-Thick	SLE-FREQ.	-7.2302	0.6697	2.52	6.36
284	Shell-Thick	SLE-FREQ.	-7.4245	0.1189	2.32	6.36



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284	Shell-Thick	SLE-QP	-5.6658	-0.5611	0.93	3.50
284	Shell-Thick	SLE-QP	-5.5693	-0.2520	1.05	3.50
284	Shell-Thick	SLE-QP	-5.7159	-0.4434	1.05	3.28
284	Shell-Thick	SLE-QP	-5.8164	-0.7246	0.93	3.28
285	Shell-Thick	SLU-STATICA	-10.3429	0.7722	2.10	10.38
285	Shell-Thick	SLU-STATICA	-10.2378	1.7539	2.33	10.38
285	Shell-Thick	SLU-STATICA	-10.5556	0.2542	2.33	9.98
285	Shell-Thick	SLU-STATICA	-10.6887	-0.5355	2.10	9.98
285	Shell-Thick	SLU-SISMICA	-14.0660	4.1354	6.24	20.64
285	Shell-Thick	SLU-SISMICA	-13.7654	6.0358	6.68	20.64
285	Shell-Thick	SLU-SISMICA	-14.7147	3.5421	6.68	19.89
285	Shell-Thick	SLU-SISMICA	-15.0554	1.9168	6.24	19.89
285	Shell-Thick	SLE-RARA	-7.6517	0.4176	1.38	7.36
285	Shell-Thick	SLE-RARA	-7.5818	1.1157	1.55	7.36
285	Shell-Thick	SLE-RARA	-7.7912	0.0288	1.55	7.07
285	Shell-Thick	SLE-RARA	-7.8817	-0.5279	1.38	7.07
285	Shell-Thick	SLE-FREQ.	-7.1571	0.1309	1.01	6.33
285	Shell-Thick	SLE-FREQ.	-7.1050	0.7363	1.15	6.33
285	Shell-Thick	SLE-FREQ.	-7.2573	-0.2421	1.15	6.08
285	Shell-Thick	SLE-FREQ.	-7.3285	-0.7164	1.01	6.08
285	Shell-Thick	SLE-QP	-5.6732	-0.7292	-0.12	3.26
285	Shell-Thick	SLE-QP	-5.6745	-0.4019	-3.595E-02	3.26
285	Shell-Thick	SLE-QP	-5.6556	-1.0548	-3.595E-02	3.12
285	Shell-Thick	SLE-QP	-5.6689	-1.2820	-0.12	3.12
286	Shell-Thick	SLU-STATICA	-10.5922	-0.5165	0.31	9.98
286	Shell-Thick	SLU-STATICA	-10.1281	0.3401	0.48	9.98
286	Shell-Thick	SLU-STATICA	-10.1866	0.2085	0.48	9.68
286	Shell-Thick	SLU-STATICA	-10.6512	-0.6448	0.31	9.68
286	Shell-Thick	SLU-SISMICA	-14.6793	2.0037	3.73	19.89
286	Shell-Thick	SLU-SISMICA	-13.8669	3.7000	4.10	19.89
286	Shell-Thick	SLU-SISMICA	-14.4555	3.2258	4.10	19.25
286	Shell-Thick	SLU-SISMICA	-15.2659	1.5173	3.73	19.25
286	Shell-Thick	SLE-RARA	-7.8225	-0.5169	6.073E-02	7.07
286	Shell-Thick	SLE-RARA	-7.4881	0.0903	0.18	7.07
286	Shell-Thick	SLE-RARA	-7.5061	0.0077	0.18	6.86
286	Shell-Thick	SLE-RARA	-7.8409	-0.5963	6.073E-02	6.86
286	Shell-Thick	SLE-FREQ.	-7.2937	-0.7113	-0.22	6.08
286	Shell-Thick	SLE-FREQ.	-6.9962	-0.1880	-0.12	6.08
286	Shell-Thick	SLE-FREQ.	-6.9702	-0.2405	-0.12	5.90
286	Shell-Thick	SLE-FREQ.	-7.2683	-0.7593	-0.22	5.90
286	Shell-Thick	SLE-QP	-5.7074	-1.2944	-1.07	3.11
286	Shell-Thick	SLE-QP	-5.5206	-1.0231	-1.03	3.11
286	Shell-Thick	SLE-QP	-5.3626	-0.9850	-1.03	3.03
286	Shell-Thick	SLE-QP	-5.5506	-1.2483	-1.07	3.03
287	Shell-Thick	SLU-STATICA	-10.4850	-0.6512	-1.00	9.65
287	Shell-Thick	SLU-STATICA	-10.2130	0.2429	-0.85	9.65
287	Shell-Thick	SLU-STATICA	-10.0643	-0.5099	-0.85	9.39
287	Shell-Thick	SLU-STATICA	-10.3555	-1.2717	-1.00	9.39
287	Shell-Thick	SLU-SISMICA	-14.7659	1.5741	1.85	19.22
287	Shell-Thick	SLU-SISMICA	-14.2535	3.3095	2.20	19.22
287	Shell-Thick	SLU-SISMICA	-14.5444	1.9036	2.20	18.61
287	Shell-Thick	SLU-SISMICA	-15.0831	0.3488	1.85	18.61
287	Shell-Thick	SLE-RARA	-7.7315	-0.6043	-0.90	6.84
287	Shell-Thick	SLE-RARA	-7.5375	0.0313	-0.80	6.84
287	Shell-Thick	SLE-RARA	-7.4029	-0.5066	-0.80	6.65
287	Shell-Thick	SLE-RARA	-7.6112	-1.0443	-0.90	6.65
287	Shell-Thick	SLE-FREQ.	-7.1891	-0.7723	-1.11	5.88
287	Shell-Thick	SLE-FREQ.	-7.0196	-0.2215	-1.03	5.88
287	Shell-Thick	SLE-FREQ.	-6.8522	-0.6925	-1.03	5.73
287	Shell-Thick	SLE-FREQ.	-7.0351	-1.1518	-1.11	5.73
287	Shell-Thick	SLE-QP	-5.5618	-1.2763	-1.75	3.02
287	Shell-Thick	SLE-QP	-5.4659	-0.9799	-1.72	3.02
287	Shell-Thick	SLE-QP	-5.2001	-1.2501	-1.72	2.97
287	Shell-Thick	SLE-QP	-5.3065	-1.4741	-1.75	2.97
288	Shell-Thick	SLU-STATICA	-10.5313	-1.2907	-2.17	9.40
288	Shell-Thick	SLU-STATICA	-9.9086	-0.4949	-2.02	9.40
288	Shell-Thick	SLU-STATICA	-9.5959	-0.3016	-2.02	9.15
288	Shell-Thick	SLU-STATICA	-10.2154	-1.1187	-2.17	9.15
288	Shell-Thick	SLU-SISMICA	-15.0692	0.3923	0.11	18.63



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288	Shell-Thick	SLU-SISMICA	-14.0552	1.9608	0.45	18.63
288	Shell-Thick	SLU-SISMICA	-14.1008	1.9674	0.45	18.04
288	Shell-Thick	SLU-SISMICA	-15.1069	0.3457	0.11	18.04
288	Shell-Thick	SLE-RARA	-7.7539	-1.0619	-1.76	6.66
288	Shell-Thick	SLE-RARA	-7.3015	-0.4973	-1.66	6.66
288	Shell-Thick	SLE-RARA	-7.0467	-0.3416	-1.66	6.49
288	Shell-Thick	SLE-RARA	-7.4969	-0.9206	-1.76	6.49
288	Shell-Thick	SLE-FREQ.	-7.1898	-1.1740	-1.90	5.74
288	Shell-Thick	SLE-FREQ.	-6.7807	-0.6869	-1.82	5.74
288	Shell-Thick	SLE-FREQ.	-6.5028	-0.5196	-1.82	5.60
288	Shell-Thick	SLE-FREQ.	-6.9101	-1.0183	-1.90	5.60
288	Shell-Thick	SLE-QP	-5.4974	-1.5104	-2.33	2.97
288	Shell-Thick	SLE-QP	-5.2184	-1.2555	-2.30	2.97
288	Shell-Thick	SLE-QP	-4.8709	-1.0538	-2.30	2.92
288	Shell-Thick	SLE-QP	-5.1496	-1.3112	-2.33	2.92
289	Shell-Thick	SLU-STATICA	-10.2703	-1.1502	-2.91	9.13
289	Shell-Thick	SLU-STATICA	-9.7877	-0.3195	-2.76	9.13
289	Shell-Thick	SLU-STATICA	-9.3553	-0.6283	-2.76	8.87
289	Shell-Thick	SLU-STATICA	-9.8519	-1.3631	-2.91	8.87
289	Shell-Thick	SLU-SISMICA	-14.9046	0.3737	-1.09	18.03
289	Shell-Thick	SLU-SISMICA	-14.1066	1.9787	-0.75	18.03
289	Shell-Thick	SLU-SISMICA	-13.9598	1.2490	-0.75	17.45
289	Shell-Thick	SLU-SISMICA	-14.7757	-0.2325	-1.09	17.45
289	Shell-Thick	SLE-RARA	-7.5513	-0.9474	-2.30	6.48
289	Shell-Thick	SLE-RARA	-7.2013	-0.3566	-2.19	6.48
289	Shell-Thick	SLE-RARA	-6.8595	-0.5696	-2.19	6.29
289	Shell-Thick	SLE-RARA	-7.2199	-1.0892	-2.30	6.29
289	Shell-Thick	SLE-FREQ.	-6.9843	-1.0493	-2.39	5.58
289	Shell-Thick	SLE-FREQ.	-6.6688	-0.5366	-2.30	5.58
289	Shell-Thick	SLE-FREQ.	-6.3120	-0.7098	-2.30	5.43
289	Shell-Thick	SLE-FREQ.	-6.6372	-1.1553	-2.39	5.43
289	Shell-Thick	SLE-QP	-5.2832	-1.3549	-2.67	2.91
289	Shell-Thick	SLE-QP	-5.0714	-1.0769	-2.63	2.91
289	Shell-Thick	SLE-QP	-4.6694	-1.1306	-2.63	2.85
289	Shell-Thick	SLE-QP	-4.8893	-1.3535	-2.67	2.85
290	Shell-Thick	SLU-STATICA	-10.0768	-1.3858	-3.44	8.88
290	Shell-Thick	SLU-STATICA	-9.3021	-0.6400	-3.28	8.88
290	Shell-Thick	SLU-STATICA	-8.8641	-0.3449	-3.28	8.63
290	Shell-Thick	SLU-STATICA	-9.6309	-1.1212	-3.44	8.63
290	Shell-Thick	SLU-SISMICA	-14.8316	-0.1951	-2.04	17.48
290	Shell-Thick	SLU-SISMICA	-13.6118	1.2701	-1.71	17.48
290	Shell-Thick	SLU-SISMICA	-13.3741	1.4927	-1.71	16.98
290	Shell-Thick	SLU-SISMICA	-14.5767	-0.0382	-2.04	16.98
290	Shell-Thick	SLE-RARA	-7.3987	-1.1094	-2.68	6.30
290	Shell-Thick	SLE-RARA	-6.8338	-0.5801	-2.56	6.30
290	Shell-Thick	SLE-RARA	-6.4920	-0.3529	-2.56	6.12
290	Shell-Thick	SLE-RARA	-7.0513	-0.9035	-2.68	6.12
290	Shell-Thick	SLE-FREQ.	-6.8255	-1.1799	-2.73	5.44
290	Shell-Thick	SLE-FREQ.	-6.3111	-0.7227	-2.63	5.44
290	Shell-Thick	SLE-FREQ.	-5.9613	-0.4952	-2.63	5.28
290	Shell-Thick	SLE-FREQ.	-6.4710	-0.9703	-2.73	5.28
290	Shell-Thick	SLE-QP	-5.1060	-1.3914	-2.88	2.85
290	Shell-Thick	SLE-QP	-4.7431	-1.1508	-2.82	2.85
290	Shell-Thick	SLE-QP	-4.3692	-0.9222	-2.82	2.77
290	Shell-Thick	SLE-QP	-4.7301	-1.1704	-2.88	2.77
291	Shell-Thick	SLU-STATICA	42.2760	43.1539	47.69	68.28
291	Shell-Thick	SLU-STATICA	48.6268	48.2108	59.59	68.28
291	Shell-Thick	SLU-STATICA	40.5778	48.5687	59.59	47.70
291	Shell-Thick	SLU-STATICA	34.2285	43.5360	47.69	47.70
291	Shell-Thick	SLU-SISMICA	62.7821	67.9030	64.50	95.13
291	Shell-Thick	SLU-SISMICA	71.8419	75.0903	79.76	95.13
291	Shell-Thick	SLU-SISMICA	61.0248	75.8603	79.76	68.75
291	Shell-Thick	SLU-SISMICA	51.9542	68.7918	64.50	68.75
291	Shell-Thick	SLE-RARA	31.0124	31.4663	35.30	50.40
291	Shell-Thick	SLE-RARA	35.6897	35.1919	44.15	50.40
291	Shell-Thick	SLE-RARA	29.7285	35.4425	44.15	35.10
291	Shell-Thick	SLE-RARA	25.0531	31.7306	35.30	35.10
291	Shell-Thick	SLE-FREQ.	28.5626	28.6565	33.05	46.95
291	Shell-Thick	SLE-FREQ.	32.9019	32.1152	41.40	46.95

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291	Shell-Thick	SLE-FREQ.	27.3152	32.3258	41.40	32.50
291	Shell-Thick	SLE-FREQ.	22.9786	28.8727	33.05	32.50
291	Shell-Thick	SLE-QP	21.2130	20.2273	26.29	36.60
291	Shell-Thick	SLE-QP	24.5385	22.8851	33.17	36.60
291	Shell-Thick	SLE-QP	20.0752	22.9756	33.17	24.72
291	Shell-Thick	SLE-QP	16.7554	20.2990	26.29	24.72
292	Shell-Thick	SLU-STATICA	27.2304	41.4929	44.64	47.26
292	Shell-Thick	SLU-STATICA	21.9198	45.4806	51.16	47.26
292	Shell-Thick	SLU-STATICA	14.7849	38.5845	51.16	36.00
292	Shell-Thick	SLU-STATICA	19.9910	35.3294	44.64	36.00
292	Shell-Thick	SLU-SISMICA	40.9383	65.4778	60.82	67.98
292	Shell-Thick	SLU-SISMICA	32.9601	71.3582	68.99	67.98
292	Shell-Thick	SLU-SISMICA	23.3050	61.1020	68.99	53.85
292	Shell-Thick	SLU-SISMICA	31.1166	56.3836	60.82	53.85
292	Shell-Thick	SLE-RARA	19.9505	30.2457	33.02	34.78
292	Shell-Thick	SLE-RARA	16.0594	33.1730	37.88	34.78
292	Shell-Thick	SLE-RARA	10.7785	28.1150	37.88	26.39
292	Shell-Thick	SLE-RARA	14.5936	25.7214	33.02	26.39
292	Shell-Thick	SLE-FREQ.	18.3320	27.5289	30.88	32.22
292	Shell-Thick	SLE-FREQ.	14.7561	30.2284	35.48	32.22
292	Shell-Thick	SLE-FREQ.	9.8126	25.5713	35.48	24.27
292	Shell-Thick	SLE-FREQ.	13.3194	23.3569	30.88	24.27
292	Shell-Thick	SLE-QP	13.4767	19.3784	24.45	24.54
292	Shell-Thick	SLE-QP	10.8463	21.3947	28.28	24.54
292	Shell-Thick	SLE-QP	6.9147	17.9402	28.28	17.92
292	Shell-Thick	SLE-QP	9.4970	16.2636	24.45	17.92
293	Shell-Thick	SLU-STATICA	13.0816	34.7053	38.97	36.48
293	Shell-Thick	SLU-STATICA	14.9632	37.8624	43.79	36.48
293	Shell-Thick	SLU-STATICA	8.8046	25.7072	43.79	28.14
293	Shell-Thick	SLU-STATICA	6.8237	23.2427	38.97	28.14
293	Shell-Thick	SLU-SISMICA	20.5399	55.2904	53.69	54.50
293	Shell-Thick	SLU-SISMICA	23.4502	60.1088	59.87	54.50
293	Shell-Thick	SLU-SISMICA	15.0090	42.1666	59.87	43.80
293	Shell-Thick	SLU-SISMICA	11.9425	38.4335	53.69	43.80
293	Shell-Thick	SLE-RARA	9.5409	25.2718	28.79	26.75
293	Shell-Thick	SLE-RARA	10.9153	27.5814	32.38	26.75
293	Shell-Thick	SLE-RARA	6.3624	18.6593	32.38	20.54
293	Shell-Thick	SLE-RARA	4.9155	16.8550	28.79	20.54
293	Shell-Thick	SLE-FREQ.	8.6927	22.9570	26.87	24.61
293	Shell-Thick	SLE-FREQ.	9.9487	25.0731	30.26	24.61
293	Shell-Thick	SLE-FREQ.	5.6957	16.8465	30.26	18.75
293	Shell-Thick	SLE-FREQ.	4.3737	15.1910	26.87	18.75
293	Shell-Thick	SLE-QP	6.1482	16.0126	21.11	18.19
293	Shell-Thick	SLE-QP	7.0489	17.5483	23.90	18.19
293	Shell-Thick	SLE-QP	3.6954	11.4084	23.90	13.37
293	Shell-Thick	SLE-QP	2.7480	10.1991	21.11	13.37
294	Shell-Thick	SLU-STATICA	7.1411	23.0088	32.18	27.92
294	Shell-Thick	SLU-STATICA	6.0855	25.4608	34.82	27.92
294	Shell-Thick	SLU-STATICA	1.0907	23.0096	34.82	23.37
294	Shell-Thick	SLU-STATICA	2.0829	20.9991	32.18	23.37
294	Shell-Thick	SLU-SISMICA	12.2439	37.9686	44.95	43.42
294	Shell-Thick	SLU-SISMICA	10.8203	41.8540	48.17	43.42
294	Shell-Thick	SLU-SISMICA	3.8846	38.3058	48.17	37.85
294	Shell-Thick	SLU-SISMICA	5.2071	35.1212	44.95	37.85
294	Shell-Thick	SLE-RARA	5.1569	16.6893	23.75	20.39
294	Shell-Thick	SLE-RARA	4.3753	18.4758	25.72	20.39
294	Shell-Thick	SLE-RARA	0.6873	16.6731	25.72	16.99
294	Shell-Thick	SLE-RARA	1.4226	15.2082	23.75	16.99
294	Shell-Thick	SLE-FREQ.	4.6104	15.0484	22.12	18.61
294	Shell-Thick	SLE-FREQ.	3.8783	16.6731	23.98	18.61
294	Shell-Thick	SLE-FREQ.	0.4407	15.0050	23.98	15.38
294	Shell-Thick	SLE-FREQ.	1.1308	13.6726	22.12	15.38
294	Shell-Thick	SLE-QP	2.9709	10.1256	17.21	13.28
294	Shell-Thick	SLE-QP	2.3873	11.2648	18.79	13.28
294	Shell-Thick	SLE-QP	-0.2990	10.0005	18.79	10.56
294	Shell-Thick	SLE-QP	0.2553	9.0660	17.21	10.56
295	Shell-Thick	SLU-STATICA	0.9589	20.8038	26.91	23.38
295	Shell-Thick	SLU-STATICA	1.2054	23.0031	29.04	23.38
295	Shell-Thick	SLU-STATICA	-2.9444	14.7246	29.04	19.68

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295	Shell-Thick	SLU-STATICA	-3.2855	13.1782	26.91	19.68
295	Shell-Thick	SLU-SISMICA	3.4057	34.7484	38.40	37.81
295	Shell-Thick	SLU-SISMICA	3.9772	38.3369	41.10	37.81
295	Shell-Thick	SLU-SISMICA	-1.9142	26.0929	41.10	33.14
295	Shell-Thick	SLU-SISMICA	-2.6315	23.5090	38.40	33.14
295	Shell-Thick	SLE-RARA	0.6047	15.0691	19.81	16.99
295	Shell-Thick	SLE-RARA	0.7753	16.6663	21.40	16.99
295	Shell-Thick	SLE-RARA	-2.2824	10.5910	21.40	14.24
295	Shell-Thick	SLE-RARA	-2.5221	9.4709	19.81	14.24
295	Shell-Thick	SLE-FREQ.	0.3887	13.5515	18.38	15.39
295	Shell-Thick	SLE-FREQ.	0.5284	14.9952	19.89	15.39
295	Shell-Thick	SLE-FREQ.	-2.3108	9.3956	19.89	12.79
295	Shell-Thick	SLE-FREQ.	-2.5137	8.3883	18.38	12.79
295	Shell-Thick	SLE-QP	-0.2593	8.9989	14.08	10.57
295	Shell-Thick	SLE-QP	-0.2123	9.9820	15.33	10.57
295	Shell-Thick	SLE-QP	-2.3959	5.8094	15.33	8.42
295	Shell-Thick	SLE-QP	-2.4884	5.1408	14.08	8.42
296	Shell-Thick	SLU-STATICA	-2.6075	13.1871	21.30	19.58
296	Shell-Thick	SLU-STATICA	-2.5935	14.9214	22.62	19.58
296	Shell-Thick	SLU-STATICA	-5.8699	13.2327	22.62	17.30
296	Shell-Thick	SLU-STATICA	-5.9213	11.7585	21.30	17.30
296	Shell-Thick	SLU-SISMICA	-1.6840	23.4659	31.22	32.96
296	Shell-Thick	SLU-SISMICA	-1.4648	26.4154	32.86	32.96
296	Shell-Thick	SLU-SISMICA	-6.2428	23.9314	32.86	30.13
296	Shell-Thick	SLU-SISMICA	-6.5214	21.3925	31.22	30.13
296	Shell-Thick	SLE-RARA	-2.0218	9.4803	15.65	14.17
296	Shell-Thick	SLE-RARA	-2.0214	10.7339	16.63	14.17
296	Shell-Thick	SLE-RARA	-4.4292	9.4939	16.63	12.47
296	Shell-Thick	SLE-RARA	-4.4569	8.4299	15.65	12.47
296	Shell-Thick	SLE-FREQ.	-2.0478	8.4018	14.44	12.72
296	Shell-Thick	SLE-FREQ.	-2.0644	9.5246	15.38	12.72
296	Shell-Thick	SLE-FREQ.	-4.2894	8.3806	15.38	11.11
296	Shell-Thick	SLE-FREQ.	-4.2977	7.4303	14.44	11.11
296	Shell-Thick	SLE-QP	-2.1260	5.1664	10.84	8.38
296	Shell-Thick	SLE-QP	-2.1931	5.8969	11.62	8.38
296	Shell-Thick	SLE-QP	-3.8698	5.0406	11.62	7.02
296	Shell-Thick	SLE-QP	-3.8201	4.4316	10.84	7.02
297	Shell-Thick	SLU-STATICA	-5.4075	11.7450	17.17	17.21
297	Shell-Thick	SLU-STATICA	-5.5139	13.4202	18.21	17.21
297	Shell-Thick	SLU-STATICA	-8.1303	8.0620	18.21	15.41
297	Shell-Thick	SLU-STATICA	-8.0986	6.8994	17.17	15.41
297	Shell-Thick	SLU-SISMICA	-5.7851	21.3378	26.06	29.97
297	Shell-Thick	SLU-SISMICA	-5.7358	24.2348	27.39	29.97
297	Shell-Thick	SLU-SISMICA	-9.6893	16.2327	27.39	27.67
297	Shell-Thick	SLU-SISMICA	-9.8521	14.1151	26.06	27.67
297	Shell-Thick	SLE-RARA	-4.0787	8.4217	12.57	12.40
297	Shell-Thick	SLE-RARA	-4.1670	9.6302	13.34	12.40
297	Shell-Thick	SLE-RARA	-6.0830	5.7018	13.34	11.07
297	Shell-Thick	SLE-RARA	-6.0492	4.8684	12.57	11.07
297	Shell-Thick	SLE-FREQ.	-3.9471	7.4257	11.52	11.05
297	Shell-Thick	SLE-FREQ.	-4.0460	8.5040	12.25	11.05
297	Shell-Thick	SLE-FREQ.	-5.8049	4.8897	12.25	9.79
297	Shell-Thick	SLE-FREQ.	-5.7560	4.1554	11.52	9.79
297	Shell-Thick	SLE-QP	-3.5523	4.4377	8.40	6.98
297	Shell-Thick	SLE-QP	-3.6831	5.1254	9.00	6.98
297	Shell-Thick	SLE-QP	-4.9706	2.4535	9.00	5.95
297	Shell-Thick	SLE-QP	-4.8762	2.0163	8.40	5.95
298	Shell-Thick	SLU-STATICA	-7.4450	6.9716	12.94	15.36
298	Shell-Thick	SLU-STATICA	-7.0957	8.3275	13.63	15.36
298	Shell-Thick	SLU-STATICA	-9.0792	7.1227	13.63	14.17
298	Shell-Thick	SLU-STATICA	-9.4491	5.9093	12.94	14.17
298	Shell-Thick	SLU-SISMICA	-8.8519	14.2078	20.60	27.58
298	Shell-Thick	SLU-SISMICA	-8.1420	16.6495	21.50	27.58
298	Shell-Thick	SLU-SISMICA	-11.2843	14.7787	21.50	26.03
298	Shell-Thick	SLU-SISMICA	-12.0259	12.5564	20.60	26.03
298	Shell-Thick	SLE-RARA	-5.5713	4.9221	9.43	11.03
298	Shell-Thick	SLE-RARA	-5.3245	5.8954	9.94	11.03
298	Shell-Thick	SLE-RARA	-6.7698	5.0157	9.94	10.15
298	Shell-Thick	SLE-RARA	-7.0316	4.1465	9.43	10.15

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298	Shell-Thick	SLE-FREQ.	-5.3183	4.2061	8.57	9.76
298	Shell-Thick	SLE-FREQ.	-5.1072	5.0661	9.05	9.76
298	Shell-Thick	SLE-FREQ.	-6.4217	4.2628	9.05	8.92
298	Shell-Thick	SLE-FREQ.	-6.6464	3.4980	8.57	8.92
298	Shell-Thick	SLE-QP	-4.5594	2.0579	5.98	5.93
298	Shell-Thick	SLE-QP	-4.4554	2.5783	6.37	5.93
298	Shell-Thick	SLE-QP	-5.3773	2.0043	6.37	5.25
298	Shell-Thick	SLE-QP	-5.4911	1.5524	5.98	5.25
299	Shell-Thick	SLU-STATICA	-8.5803	5.9572	9.81	14.08
299	Shell-Thick	SLU-STATICA	-8.6681	7.3307	10.33	14.08
299	Shell-Thick	SLU-STATICA	-10.1520	3.9030	10.33	13.18
299	Shell-Thick	SLU-STATICA	-10.1190	2.9054	9.81	13.18
299	Shell-Thick	SLU-SISMICA	-10.6666	12.6308	16.61	25.89
299	Shell-Thick	SLU-SISMICA	-10.6145	15.1102	17.32	25.89
299	Shell-Thick	SLU-SISMICA	-13.1189	9.8753	17.32	24.65
299	Shell-Thick	SLU-SISMICA	-13.2530	7.9584	16.61	24.65
299	Shell-Thick	SLE-RARA	-6.3976	4.1815	7.10	10.08
299	Shell-Thick	SLE-RARA	-6.4711	5.1672	7.48	10.08
299	Shell-Thick	SLE-RARA	-7.5447	2.6599	7.48	9.41
299	Shell-Thick	SLE-RARA	-7.5114	1.9498	7.10	9.41
299	Shell-Thick	SLE-FREQ.	-6.0685	3.5300	6.36	8.86
299	Shell-Thick	SLE-FREQ.	-6.1516	4.4004	6.72	8.86
299	Shell-Thick	SLE-FREQ.	-7.1149	2.1035	6.72	8.24
299	Shell-Thick	SLE-FREQ.	-7.0686	1.4865	6.36	8.24
299	Shell-Thick	SLE-QP	-5.0809	1.5754	4.16	5.20
299	Shell-Thick	SLE-QP	-5.1931	2.1002	4.45	5.20
299	Shell-Thick	SLE-QP	-5.8253	0.4343	4.45	4.71
299	Shell-Thick	SLE-QP	-5.7404	0.0965	4.16	4.71
300	Shell-Thick	SLU-STATICA	-9.6253	2.9817	6.71	13.15
300	Shell-Thick	SLU-STATICA	-9.1272	4.1304	7.07	13.15
300	Shell-Thick	SLU-STATICA	-10.1558	3.3875	7.07	12.53
300	Shell-Thick	SLU-STATICA	-10.6629	2.3018	6.71	12.53
300	Shell-Thick	SLU-SISMICA	-12.4012	8.0913	12.51	24.61
300	Shell-Thick	SLU-SISMICA	-11.4972	10.2372	13.04	24.61
300	Shell-Thick	SLU-SISMICA	-13.4074	8.9546	13.04	23.71
300	Shell-Thick	SLU-SISMICA	-14.3242	6.8972	12.51	23.71
300	Shell-Thick	SLE-RARA	-7.1551	2.0048	4.79	9.40
300	Shell-Thick	SLE-RARA	-6.7979	2.8255	5.06	9.40
300	Shell-Thick	SLE-RARA	-7.5334	2.2894	5.06	8.94
300	Shell-Thick	SLE-RARA	-7.8973	1.5152	4.79	8.94
300	Shell-Thick	SLE-FREQ.	-6.7506	1.5355	4.20	8.22
300	Shell-Thick	SLE-FREQ.	-6.4356	2.2540	4.44	8.22
300	Shell-Thick	SLE-FREQ.	-7.0804	1.7755	4.44	7.80
300	Shell-Thick	SLE-FREQ.	-7.4017	1.1002	4.20	7.80
300	Shell-Thick	SLE-QP	-5.5370	0.1274	2.41	4.70
300	Shell-Thick	SLE-QP	-5.3485	0.5394	2.59	4.70
300	Shell-Thick	SLE-QP	-5.7215	0.2336	2.59	4.38
300	Shell-Thick	SLE-QP	-5.9149	-0.1449	2.41	4.38
301	Shell-Thick	SLU-STATICA	-9.8995	2.3532	4.39	12.46
301	Shell-Thick	SLU-STATICA	-9.8546	3.5490	4.66	12.46
301	Shell-Thick	SLU-STATICA	-10.5148	1.4491	4.66	11.99
301	Shell-Thick	SLU-STATICA	-10.5982	0.5178	4.39	11.99
301	Shell-Thick	SLU-SISMICA	-13.0336	7.0074	9.47	23.60
301	Shell-Thick	SLU-SISMICA	-12.8156	9.2209	9.90	23.60
301	Shell-Thick	SLU-SISMICA	-14.2404	5.8773	9.90	22.86
301	Shell-Thick	SLU-SISMICA	-14.5147	4.0495	9.47	22.86
301	Shell-Thick	SLE-RARA	-7.3450	1.5512	3.08	8.88
301	Shell-Thick	SLE-RARA	-7.3197	2.4066	3.27	8.88
301	Shell-Thick	SLE-RARA	-7.7818	0.8775	3.27	8.55
301	Shell-Thick	SLE-RARA	-7.8355	0.2164	3.08	8.55
301	Shell-Thick	SLE-FREQ.	-6.9064	1.1305	2.58	7.75
301	Shell-Thick	SLE-FREQ.	-6.8959	1.8811	2.76	7.75
301	Shell-Thick	SLE-FREQ.	-7.2837	0.4919	2.76	7.44
301	Shell-Thick	SLE-FREQ.	-7.3205	-0.0792	2.58	7.44
301	Shell-Thick	SLE-QP	-5.5904	-0.1318	1.11	4.35
301	Shell-Thick	SLE-QP	-5.6245	0.3047	1.23	4.35
301	Shell-Thick	SLE-QP	-5.7896	-0.6647	1.23	4.13
301	Shell-Thick	SLE-QP	-5.7753	-0.9659	1.11	4.13
302	Shell-Thick	SLU-STATICA	-10.3434	0.5689	2.17	11.99

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302	Shell-Thick	SLU-STATICA	-9.7475	1.6024	2.37	11.99
302	Shell-Thick	SLU-STATICA	-10.0877	1.2870	2.37	11.65
302	Shell-Thick	SLU-STATICA	-10.6851	0.2642	2.17	11.65
302	Shell-Thick	SLU-SISMICA	-13.9382	4.1721	6.44	22.86
302	Shell-Thick	SLU-SISMICA	-12.9198	6.1341	6.80	22.86
302	Shell-Thick	SLU-SISMICA	-13.9133	5.4179	6.80	22.24
302	Shell-Thick	SLU-SISMICA	-14.9317	3.4566	6.44	22.24
302	Shell-Thick	SLE-RARA	-7.6584	0.2516	1.43	8.54
302	Shell-Thick	SLE-RARA	-7.2280	0.9885	1.58	8.54
302	Shell-Thick	SLE-RARA	-7.4532	0.7694	1.58	8.30
302	Shell-Thick	SLE-RARA	-7.8849	0.0412	1.43	8.30
302	Shell-Thick	SLE-FREQ.	-7.1742	-0.0507	1.05	7.44
302	Shell-Thick	SLE-FREQ.	-6.7890	0.5917	1.17	7.44
302	Shell-Thick	SLE-FREQ.	-6.9550	0.4109	1.17	7.22
302	Shell-Thick	SLE-FREQ.	-7.3415	-0.2222	1.05	7.22
302	Shell-Thick	SLE-QP	-5.7214	-0.9577	-0.11	4.13
302	Shell-Thick	SLE-QP	-5.4723	-0.5987	-3.457E-02	4.13
302	Shell-Thick	SLE-QP	-5.4606	-0.6644	-3.457E-02	4.00
302	Shell-Thick	SLE-QP	-5.7113	-1.0124	-0.11	4.00
303	Shell-Thick	SLU-STATICA	-10.1987	0.2904	0.55	11.60
303	Shell-Thick	SLU-STATICA	-9.9861	1.3784	0.70	11.60
303	Shell-Thick	SLU-STATICA	-10.0666	0.2158	0.70	11.33
303	Shell-Thick	SLU-STATICA	-10.3057	-0.6905	0.55	11.33
303	Shell-Thick	SLU-SISMICA	-13.9818	3.5526	4.20	22.18
303	Shell-Thick	SLU-SISMICA	-13.5451	5.5855	4.51	22.18
303	Shell-Thick	SLU-SISMICA	-14.1799	3.5863	4.51	21.64
303	Shell-Thick	SLU-SISMICA	-14.6537	1.8078	4.20	21.64
303	Shell-Thick	SLE-RARA	-7.5395	0.0575	0.23	8.26
303	Shell-Thick	SLE-RARA	-7.3895	0.8348	0.34	8.26
303	Shell-Thick	SLE-RARA	-7.4229	-0.0044	0.34	8.07
303	Shell-Thick	SLE-RARA	-7.5924	-0.6477	0.23	8.07
303	Shell-Thick	SLE-FREQ.	-7.0427	-0.2120	-7.359E-02	7.19
303	Shell-Thick	SLE-FREQ.	-6.9149	0.4685	2.143E-02	7.19
303	Shell-Thick	SLE-FREQ.	-6.9018	-0.2813	2.143E-02	7.02
303	Shell-Thick	SLE-FREQ.	-7.0479	-0.8370	-7.359E-02	7.02
303	Shell-Thick	SLE-QP	-5.5523	-1.0205	-0.99	3.97
303	Shell-Thick	SLE-QP	-5.4908	-0.6305	-0.94	3.97
303	Shell-Thick	SLE-QP	-5.3387	-1.1120	-0.94	3.88
303	Shell-Thick	SLE-QP	-5.4143	-1.4051	-0.99	3.88
304	Shell-Thick	SLU-STATICA	-10.3122	-0.6764	-0.95	11.33
304	Shell-Thick	SLU-STATICA	-9.6212	0.2894	-0.81	11.33
304	Shell-Thick	SLU-STATICA	-9.4905	0.3274	-0.81	11.10
304	Shell-Thick	SLU-STATICA	-10.1786	-0.6581	-0.95	11.10
304	Shell-Thick	SLU-SISMICA	-14.4056	1.8943	2.05	21.66
304	Shell-Thick	SLU-SISMICA	-13.2753	3.7304	2.35	21.66
304	Shell-Thick	SLU-SISMICA	-13.6089	3.5097	2.35	21.15
304	Shell-Thick	SLU-SISMICA	-14.7316	1.6222	2.05	21.15
304	Shell-Thick	SLE-RARA	-7.6100	-0.6406	-0.87	8.07
304	Shell-Thick	SLE-RARA	-7.1083	0.0479	-0.77	8.07
304	Shell-Thick	SLE-RARA	-6.9861	0.0895	-0.77	7.91
304	Shell-Thick	SLE-RARA	-7.4859	-0.6123	-0.87	7.91
304	Shell-Thick	SLE-FREQ.	-7.0860	-0.8360	-1.09	7.03
304	Shell-Thick	SLE-FREQ.	-6.6327	-0.2361	-1.01	7.03
304	Shell-Thick	SLE-FREQ.	-6.4754	-0.1742	-1.01	6.89
304	Shell-Thick	SLE-FREQ.	-6.9271	-0.7846	-1.09	6.89
304	Shell-Thick	SLE-QP	-5.5139	-1.4225	-1.77	3.88
304	Shell-Thick	SLE-QP	-5.2060	-1.0880	-1.73	3.88
304	Shell-Thick	SLE-QP	-4.9433	-0.9655	-1.73	3.82
304	Shell-Thick	SLE-QP	-5.2509	-1.3015	-1.77	3.82
305	Shell-Thick	SLU-STATICA	-9.9849	-0.6632	-1.97	11.06
305	Shell-Thick	SLU-STATICA	-9.5832	0.3527	-1.84	11.06
305	Shell-Thick	SLU-STATICA	-9.2876	-0.1840	-1.84	10.84
305	Shell-Thick	SLU-STATICA	-9.7077	-1.0734	-1.97	10.84
305	Shell-Thick	SLU-SISMICA	-14.1692	1.6859	0.51	21.11
305	Shell-Thick	SLU-SISMICA	-13.4771	3.5848	0.80	21.11
305	Shell-Thick	SLU-SISMICA	-13.5635	2.5077	0.80	20.62
305	Shell-Thick	SLU-SISMICA	-14.2800	0.7761	0.51	20.62
305	Shell-Thick	SLE-RARA	-7.3574	-0.6196	-1.62	7.88
305	Shell-Thick	SLE-RARA	-7.0676	0.1062	-1.53	7.88

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305	Shell-Thick	SLE-RARA	-6.8245	-0.2735	-1.53	7.72
305	Shell-Thick	SLE-RARA	-7.1281	-0.9055	-1.62	7.72
305	Shell-Thick	SLE-FREQ.	-6.8321	-0.7974	-1.78	6.86
305	Shell-Thick	SLE-FREQ.	-6.5733	-0.1620	-1.71	6.86
305	Shell-Thick	SLE-FREQ.	-6.3048	-0.4880	-1.71	6.73
305	Shell-Thick	SLE-FREQ.	-6.5766	-1.0351	-1.78	6.73
305	Shell-Thick	SLE-QP	-5.2563	-1.3307	-2.28	3.80
305	Shell-Thick	SLE-QP	-5.0905	-0.9668	-2.25	3.80
305	Shell-Thick	SLE-QP	-4.7459	-1.1313	-2.25	3.75
305	Shell-Thick	SLE-QP	-4.9220	-1.4241	-2.28	3.75
306	Shell-Thick	SLU-STATICA	-9.8810	-1.0846	-2.83	10.85
306	Shell-Thick	SLU-STATICA	-9.0860	-0.1671	-2.69	10.85
306	Shell-Thick	SLU-STATICA	-8.6748	0.0706	-2.69	10.60
306	Shell-Thick	SLU-STATICA	-9.4651	-0.8784	-2.83	10.60
306	Shell-Thick	SLU-SISMICA	-14.2437	0.8346	-0.86	20.65
306	Shell-Thick	SLU-SISMICA	-12.9809	2.5729	-0.57	20.65
306	Shell-Thick	SLU-SISMICA	-12.8794	2.6614	-0.57	20.15
306	Shell-Thick	SLU-SISMICA	-14.1314	0.8498	-0.86	20.15
306	Shell-Thick	SLE-RARA	-7.2699	-0.9174	-2.24	7.73
306	Shell-Thick	SLE-RARA	-6.6908	-0.2631	-2.14	7.73
306	Shell-Thick	SLE-RARA	-6.3637	-0.0756	-2.14	7.56
306	Shell-Thick	SLE-RARA	-6.9395	-0.7517	-2.24	7.56
306	Shell-Thick	SLE-FREQ.	-6.7321	-1.0525	-2.35	6.74
306	Shell-Thick	SLE-FREQ.	-6.2057	-0.4818	-2.26	6.74
306	Shell-Thick	SLE-FREQ.	-5.8612	-0.2866	-2.26	6.59
306	Shell-Thick	SLE-FREQ.	-6.3849	-0.8752	-2.35	6.59
306	Shell-Thick	SLE-QP	-5.1188	-1.4579	-2.67	3.75
306	Shell-Thick	SLE-QP	-4.7506	-1.1379	-2.63	3.75
306	Shell-Thick	SLE-QP	-4.3539	-0.9198	-2.63	3.68
306	Shell-Thick	SLE-QP	-4.7212	-1.2457	-2.67	3.68
307	Shell-Thick	SLU-STATICA	-9.3846	-0.8907	-3.24	10.58
307	Shell-Thick	SLU-STATICA	-8.8452	0.0648	-3.10	10.58
307	Shell-Thick	SLU-STATICA	-8.4164	-0.2164	-3.10	10.36
307	Shell-Thick	SLU-STATICA	-8.9791	-1.0822	-3.24	10.36
307	Shell-Thick	SLU-SISMICA	-13.7338	0.9036	-1.66	20.14
307	Shell-Thick	SLU-SISMICA	-12.8486	2.6933	-1.39	20.14
307	Shell-Thick	SLU-SISMICA	-12.6336	2.0541	-1.39	19.72
307	Shell-Thick	SLU-SISMICA	-13.5482	0.3784	-1.66	19.72
307	Shell-Thick	SLE-RARA	-6.8944	-0.7643	-2.54	7.54
307	Shell-Thick	SLE-RARA	-6.5029	-0.0818	-2.43	7.54
307	Shell-Thick	SLE-RARA	-6.1673	-0.2771	-2.43	7.39
307	Shell-Thick	SLE-RARA	-6.5762	-0.8928	-2.54	7.39
307	Shell-Thick	SLE-FREQ.	-6.3670	-0.8929	-2.60	6.57
307	Shell-Thick	SLE-FREQ.	-6.0135	-0.2958	-2.51	6.57
307	Shell-Thick	SLE-FREQ.	-5.6687	-0.4568	-2.51	6.44
307	Shell-Thick	SLE-FREQ.	-6.0385	-0.9908	-2.60	6.44
307	Shell-Thick	SLE-QP	-4.7848	-1.2788	-2.81	3.66
307	Shell-Thick	SLE-QP	-4.5455	-0.9378	-2.76	3.66
307	Shell-Thick	SLE-QP	-4.1728	-0.9961	-2.76	3.58
307	Shell-Thick	SLE-QP	-4.4256	-1.2848	-2.81	3.58
308	Shell-Thick	SLU-STATICA	51.8724	61.8076	58.97	71.91
308	Shell-Thick	SLU-STATICA	40.1600	67.4775	73.96	71.91
308	Shell-Thick	SLU-STATICA	30.2634	62.0162	73.96	46.00
308	Shell-Thick	SLU-STATICA	41.8237	57.4291	58.97	46.00
308	Shell-Thick	SLU-SISMICA	76.4897	95.4254	79.07	99.13
308	Shell-Thick	SLU-SISMICA	58.5826	103.4709	98.19	99.13
308	Shell-Thick	SLU-SISMICA	45.4062	95.3156	98.19	66.08
308	Shell-Thick	SLU-SISMICA	63.0698	88.9896	79.07	66.08
308	Shell-Thick	SLE-RARA	38.0791	45.1590	43.68	53.13
308	Shell-Thick	SLE-RARA	29.5129	49.3369	54.84	53.13
308	Shell-Thick	SLE-RARA	22.1772	45.3329	54.84	33.85
308	Shell-Thick	SLE-RARA	30.6328	41.9437	43.68	33.85
308	Shell-Thick	SLE-FREQ.	35.1171	41.2828	40.95	49.58
308	Shell-Thick	SLE-FREQ.	27.2712	45.1625	51.49	49.58
308	Shell-Thick	SLE-FREQ.	20.3860	41.4785	51.49	31.37
308	Shell-Thick	SLE-FREQ.	28.1315	38.3159	40.95	31.37
308	Shell-Thick	SLE-QP	26.2313	29.6542	32.77	38.94
308	Shell-Thick	SLE-QP	20.5463	32.6392	41.46	38.94
308	Shell-Thick	SLE-QP	15.0122	29.9156	41.46	23.92

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308	Shell-Thick	SLE-QP	20.6275	27.4324	32.77	23.92
309	Shell-Thick	SLU-STATICA	22.7598	55.3193	52.45	47.10
309	Shell-Thick	SLU-STATICA	25.9705	59.4546	59.56	47.10
309	Shell-Thick	SLU-STATICA	17.6501	33.3846	59.56	34.80
309	Shell-Thick	SLU-STATICA	14.2747	30.3950	52.45	34.80
309	Shell-Thick	SLU-SISMICA	34.0574	85.5590	70.98	67.60
309	Shell-Thick	SLU-SISMICA	38.8768	91.6379	80.17	67.60
309	Shell-Thick	SLU-SISMICA	27.6655	53.1125	80.17	51.72
309	Shell-Thick	SLU-SISMICA	22.5898	48.8116	70.98	51.72
309	Shell-Thick	SLE-RARA	16.6830	40.4109	38.82	34.67
309	Shell-Thick	SLE-RARA	19.0358	43.4475	44.10	34.67
309	Shell-Thick	SLE-RARA	12.8751	24.3139	44.10	25.53
309	Shell-Thick	SLE-RARA	10.4022	22.1139	38.82	25.53
309	Shell-Thick	SLE-FREQ.	15.3432	36.9293	36.34	32.13
309	Shell-Thick	SLE-FREQ.	17.5058	39.7314	41.32	32.13
309	Shell-Thick	SLE-FREQ.	11.7346	22.0931	41.32	23.51
309	Shell-Thick	SLE-FREQ.	9.4624	20.0551	36.34	23.51
309	Shell-Thick	SLE-QP	11.3239	26.4848	28.90	24.51
309	Shell-Thick	SLE-QP	12.9157	28.5831	32.98	24.51
309	Shell-Thick	SLE-QP	8.3130	15.4309	32.98	17.45
309	Shell-Thick	SLE-QP	6.6429	13.8789	28.90	17.45
310	Shell-Thick	SLU-STATICA	14.8865	30.1617	42.08	34.54
310	Shell-Thick	SLU-STATICA	14.6692	33.1441	45.75	34.54
310	Shell-Thick	SLU-STATICA	8.1162	32.7816	45.75	28.20
310	Shell-Thick	SLU-STATICA	8.2610	30.3064	42.08	28.20
310	Shell-Thick	SLU-SISMICA	23.2157	48.2880	57.39	51.24
310	Shell-Thick	SLU-SISMICA	22.9541	52.8190	61.83	51.24
310	Shell-Thick	SLU-SISMICA	14.0691	52.5517	61.83	43.56
310	Shell-Thick	SLU-SISMICA	14.2132	48.8358	57.39	43.56
310	Shell-Thick	SLE-RARA	10.8651	21.9516	31.13	25.34
310	Shell-Thick	SLE-RARA	10.7026	24.1343	33.86	25.34
310	Shell-Thick	SLE-RARA	5.8534	23.8548	33.86	20.60
310	Shell-Thick	SLE-RARA	5.9631	22.0411	31.13	20.60
310	Shell-Thick	SLE-FREQ.	9.9127	19.9207	29.10	23.34
310	Shell-Thick	SLE-FREQ.	9.7578	21.9223	31.71	23.34
310	Shell-Thick	SLE-FREQ.	5.2199	21.6419	31.71	18.83
310	Shell-Thick	SLE-FREQ.	5.3269	19.9749	29.10	18.83
310	Shell-Thick	SLE-QP	7.0555	13.8280	23.02	17.35
310	Shell-Thick	SLE-QP	6.9236	15.2864	25.24	17.35
310	Shell-Thick	SLE-QP	3.3193	15.0033	25.24	13.52
310	Shell-Thick	SLE-QP	3.4183	13.7762	23.02	13.52
311	Shell-Thick	SLU-STATICA	6.3092	29.8037	35.55	28.10
311	Shell-Thick	SLU-STATICA	6.3275	32.5362	38.25	28.10
311	Shell-Thick	SLU-STATICA	0.8622	19.5885	38.25	23.43
311	Shell-Thick	SLU-STATICA	0.7013	17.8383	35.55	23.43
311	Shell-Thick	SLU-SISMICA	11.0524	47.9597	49.30	43.36
311	Shell-Thick	SLU-SISMICA	11.2553	52.2329	52.65	43.36
311	Shell-Thick	SLU-SISMICA	3.7168	33.1778	52.65	37.56
311	Shell-Thick	SLU-SISMICA	3.2947	30.4113	49.30	37.56
311	Shell-Thick	SLE-RARA	4.5444	21.6788	26.25	20.53
311	Shell-Thick	SLE-RARA	4.5491	23.6725	28.27	20.53
311	Shell-Thick	SLE-RARA	0.5111	14.1659	28.27	17.05
311	Shell-Thick	SLE-RARA	0.4022	12.8903	26.25	17.05
311	Shell-Thick	SLE-FREQ.	4.0425	19.6522	24.47	18.77
311	Shell-Thick	SLE-FREQ.	4.0319	21.4701	26.39	18.77
311	Shell-Thick	SLE-FREQ.	0.2639	12.6998	26.39	15.47
311	Shell-Thick	SLE-FREQ.	0.1792	11.5392	24.47	15.47
311	Shell-Thick	SLE-QP	2.5370	13.5725	19.14	13.49
311	Shell-Thick	SLE-QP	2.4805	14.8630	20.75	13.49
311	Shell-Thick	SLE-QP	-0.4776	8.3017	20.75	10.72
311	Shell-Thick	SLE-QP	-0.4900	7.4860	19.14	10.72
312	Shell-Thick	SLU-STATICA	0.9990	17.8111	28.07	23.35
312	Shell-Thick	SLU-STATICA	1.7887	19.8605	29.74	23.35
312	Shell-Thick	SLU-STATICA	-2.5274	18.5755	29.74	20.46
312	Shell-Thick	SLU-STATICA	-3.3585	16.8138	28.07	20.46
312	Shell-Thick	SLU-SISMICA	3.5865	30.2790	39.67	37.40
312	Shell-Thick	SLU-SISMICA	4.9343	33.6119	41.69	37.40
312	Shell-Thick	SLU-SISMICA	-1.1364	31.8843	41.69	33.91
312	Shell-Thick	SLU-SISMICA	-2.5510	29.0132	39.67	33.91



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312	Shell-Thick	SLE-RARA	0.6281	12.8750	20.69	16.99
312	Shell-Thick	SLE-RARA	1.1987	14.3639	21.94	16.99
312	Shell-Thick	SLE-RARA	-1.9844	13.4123	21.94	14.83
312	Shell-Thick	SLE-RARA	-2.5851	12.1327	20.69	14.83
312	Shell-Thick	SLE-FREQ.	0.4000	11.5329	19.23	15.42
312	Shell-Thick	SLE-FREQ.	0.9106	12.8797	20.42	15.42
312	Shell-Thick	SLE-FREQ.	-2.0498	11.9879	20.42	13.36
312	Shell-Thick	SLE-FREQ.	-2.5877	10.8310	19.23	13.36
312	Shell-Thick	SLE-QP	-0.2844	7.5067	14.83	10.70
312	Shell-Thick	SLE-QP	0.0464	8.4269	15.85	10.70
312	Shell-Thick	SLE-QP	-2.2460	7.7146	15.85	8.95
312	Shell-Thick	SLE-QP	-2.5956	6.9258	14.83	8.95
313	Shell-Thick	SLU-STATICA	-2.5726	16.7150	23.00	20.27
313	Shell-Thick	SLU-STATICA	-2.9283	18.7513	24.22	20.27
313	Shell-Thick	SLU-STATICA	-6.4181	11.3574	24.22	18.16
313	Shell-Thick	SLU-STATICA	-6.1686	10.0503	23.00	18.16
313	Shell-Thick	SLU-SISMICA	-1.5028	28.8004	33.44	33.60
313	Shell-Thick	SLU-SISMICA	-1.8374	32.1666	34.94	33.60
313	Shell-Thick	SLU-SISMICA	-6.8864	21.2580	34.94	31.02
313	Shell-Thick	SLU-SISMICA	-6.7136	19.0023	33.44	31.02
313	Shell-Thick	SLE-RARA	-2.0026	12.0635	16.91	14.70
313	Shell-Thick	SLE-RARA	-2.2732	13.5402	17.82	14.70
313	Shell-Thick	SLE-RARA	-4.8399	8.1126	17.82	13.12
313	Shell-Thick	SLE-RARA	-4.6470	7.1695	16.91	13.12
313	Shell-Thick	SLE-FREQ.	-2.0412	10.7728	15.63	13.24
313	Shell-Thick	SLE-FREQ.	-2.3068	12.1039	16.50	13.24
313	Shell-Thick	SLE-FREQ.	-4.6821	7.0990	16.50	11.74
313	Shell-Thick	SLE-FREQ.	-4.4876	6.2570	15.63	11.74
313	Shell-Thick	SLE-QP	-2.1568	6.9009	11.81	8.86
313	Shell-Thick	SLE-QP	-2.4076	7.7949	12.54	8.86
313	Shell-Thick	SLE-QP	-4.2086	4.0579	12.54	7.60
313	Shell-Thick	SLE-QP	-4.0095	3.5196	11.81	7.60
314	Shell-Thick	SLU-STATICA	-5.6986	10.1113	17.65	18.12
314	Shell-Thick	SLU-STATICA	-4.8468	11.7046	18.48	18.12
314	Shell-Thick	SLU-STATICA	-7.5457	10.4320	18.48	16.68
314	Shell-Thick	SLU-STATICA	-8.4204	8.9973	17.65	16.68
314	Shell-Thick	SLU-SISMICA	-6.0683	19.0512	26.57	30.94
314	Shell-Thick	SLU-SISMICA	-4.6205	21.7914	27.59	30.94
314	Shell-Thick	SLU-SISMICA	-8.6656	19.9414	27.59	29.17
314	Shell-Thick	SLU-SISMICA	-10.1497	17.4519	26.57	29.17
314	Shell-Thick	SLE-RARA	-4.2996	7.2163	12.93	13.10
314	Shell-Thick	SLE-RARA	-3.6838	8.3665	13.55	13.10
314	Shell-Thick	SLE-RARA	-5.6619	7.4309	13.55	12.02
314	Shell-Thick	SLE-RARA	-6.2943	6.3963	12.93	12.02
314	Shell-Thick	SLE-FREQ.	-4.1632	6.3037	11.88	11.72
314	Shell-Thick	SLE-FREQ.	-3.6116	7.3312	12.47	11.72
314	Shell-Thick	SLE-FREQ.	-5.4303	6.4662	12.47	10.70
314	Shell-Thick	SLE-FREQ.	-5.9969	5.5438	11.88	10.70
314	Shell-Thick	SLE-QP	-3.7540	3.5659	8.72	7.59
314	Shell-Thick	SLE-QP	-3.3949	4.2255	9.22	7.59
314	Shell-Thick	SLE-QP	-4.7354	3.5721	9.22	6.73
314	Shell-Thick	SLE-QP	-5.1050	2.9862	8.72	6.73
315	Shell-Thick	SLU-STATICA	-7.1465	9.0296	13.85	16.52
315	Shell-Thick	SLU-STATICA	-7.4050	10.6825	14.44	16.52
315	Shell-Thick	SLU-STATICA	-9.4889	6.1644	14.44	15.51
315	Shell-Thick	SLU-STATICA	-9.3063	5.0312	13.85	15.51
315	Shell-Thick	SLU-SISMICA	-8.2649	17.4786	21.82	28.92
315	Shell-Thick	SLU-SISMICA	-8.4732	20.3302	22.56	28.92
315	Shell-Thick	SLU-SISMICA	-11.7455	13.5689	22.56	27.64
315	Shell-Thick	SLU-SISMICA	-11.6514	11.5001	21.82	27.64
315	Shell-Thick	SLE-RARA	-5.3595	6.4212	10.10	11.90
315	Shell-Thick	SLE-RARA	-5.5578	7.6139	10.53	11.90
315	Shell-Thick	SLE-RARA	-7.0776	4.3021	10.53	11.14
315	Shell-Thick	SLE-RARA	-6.9348	3.4900	10.10	11.14
315	Shell-Thick	SLE-FREQ.	-5.1354	5.5685	9.19	10.59
315	Shell-Thick	SLE-FREQ.	-5.3330	6.6333	9.61	10.59
315	Shell-Thick	SLE-FREQ.	-6.7177	3.5875	9.61	9.87
315	Shell-Thick	SLE-FREQ.	-6.5711	2.8723	9.19	9.87
315	Shell-Thick	SLE-QP	-4.4633	3.0105	6.48	6.65



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315	Shell-Thick	SLE-QP	-4.6585	3.6916	6.82	6.65
315	Shell-Thick	SLE-QP	-5.6378	1.4437	6.82	6.06
315	Shell-Thick	SLE-QP	-5.4800	1.0193	6.48	6.06
316	Shell-Thick	SLU-STATICA	-8.8271	5.1183	10.00	15.49
316	Shell-Thick	SLU-STATICA	-8.0032	6.4702	10.42	15.49
316	Shell-Thick	SLU-STATICA	-9.5303	5.5358	10.42	14.76
316	Shell-Thick	SLU-STATICA	-10.3647	4.2566	10.00	14.76
316	Shell-Thick	SLU-SISMICA	-10.8898	11.6276	16.83	27.61
316	Shell-Thick	SLU-SISMICA	-9.5046	14.0419	17.38	27.61
316	Shell-Thick	SLU-SISMICA	-12.0633	12.5614	17.38	26.65
316	Shell-Thick	SLU-SISMICA	-13.4642	10.2553	16.83	26.65
316	Shell-Thick	SLE-RARA	-6.5859	3.5540	7.24	11.13
316	Shell-Thick	SLE-RARA	-5.9895	4.5255	7.55	11.13
316	Shell-Thick	SLE-RARA	-7.0953	3.8447	7.55	10.59
316	Shell-Thick	SLE-RARA	-7.6993	2.9265	7.24	10.59
316	Shell-Thick	SLE-FREQ.	-6.2540	2.9314	6.50	9.86
316	Shell-Thick	SLE-FREQ.	-5.7184	3.7917	6.79	9.86
316	Shell-Thick	SLE-FREQ.	-6.7122	3.1725	6.79	9.35
316	Shell-Thick	SLE-FREQ.	-7.2548	2.3614	6.50	9.35
316	Shell-Thick	SLE-QP	-5.2583	1.0637	4.28	6.05
316	Shell-Thick	SLE-QP	-4.9052	1.5902	4.52	6.05
316	Shell-Thick	SLE-QP	-5.5628	1.1560	4.52	5.63
316	Shell-Thick	SLE-QP	-5.9211	0.6659	4.28	5.63
317	Shell-Thick	SLU-STATICA	-9.2053	4.3224	7.20	14.64
317	Shell-Thick	SLU-STATICA	-9.2685	5.7543	7.49	14.64
317	Shell-Thick	SLU-STATICA	-10.3436	2.9900	7.49	14.14
317	Shell-Thick	SLU-STATICA	-10.3331	1.9187	7.20	14.14
317	Shell-Thick	SLU-SISMICA	-11.6441	10.3682	13.23	26.47
317	Shell-Thick	SLU-SISMICA	-11.5889	12.9074	13.63	26.47
317	Shell-Thick	SLU-SISMICA	-13.5653	8.6412	13.63	25.78
317	Shell-Thick	SLU-SISMICA	-13.6983	6.6350	13.23	25.78
317	Shell-Thick	SLE-RARA	-6.8537	2.9740	5.15	10.50
317	Shell-Thick	SLE-RARA	-6.9075	4.0039	5.37	10.50
317	Shell-Thick	SLE-RARA	-7.6772	1.9841	5.37	10.13
317	Shell-Thick	SLE-RARA	-7.6621	1.2189	5.15	10.13
317	Shell-Thick	SLE-FREQ.	-6.4843	2.4038	4.53	9.27
317	Shell-Thick	SLE-FREQ.	-6.5465	3.3173	4.73	9.27
317	Shell-Thick	SLE-FREQ.	-7.2232	1.4708	4.73	8.93
317	Shell-Thick	SLE-FREQ.	-7.1966	0.8013	4.53	8.93
317	Shell-Thick	SLE-QP	-5.3761	0.6933	2.66	5.58
317	Shell-Thick	SLE-QP	-5.4635	1.2576	2.82	5.58
317	Shell-Thick	SLE-QP	-5.8610	-0.0693	2.82	5.31
317	Shell-Thick	SLE-QP	-5.8002	-0.4516	2.66	5.31
318	Shell-Thick	SLU-STATICA	-9.9925	1.9944	4.46	14.14
318	Shell-Thick	SLU-STATICA	-9.1805	3.2151	4.68	14.14
318	Shell-Thick	SLU-STATICA	-9.8651	2.6966	4.68	13.75
318	Shell-Thick	SLU-STATICA	-10.6793	1.4914	4.46	13.75
318	Shell-Thick	SLU-SISMICA	-13.0448	6.7782	9.59	25.78
318	Shell-Thick	SLU-SISMICA	-11.7036	9.0009	9.93	25.78
318	Shell-Thick	SLU-SISMICA	-13.1675	8.0364	9.93	25.20
318	Shell-Thick	SLU-SISMICA	-14.5102	5.8247	9.59	25.20
318	Shell-Thick	SLE-RARA	-7.4196	1.2729	3.12	10.13
318	Shell-Thick	SLE-RARA	-6.8307	2.1480	3.29	10.13
318	Shell-Thick	SLE-RARA	-7.3106	1.7773	3.29	9.85
318	Shell-Thick	SLE-RARA	-7.9012	0.9142	3.12	9.85
318	Shell-Thick	SLE-FREQ.	-6.9859	0.8483	2.62	8.92
318	Shell-Thick	SLE-FREQ.	-6.4549	1.6195	2.77	8.92
318	Shell-Thick	SLE-FREQ.	-6.8590	1.2947	2.77	8.67
318	Shell-Thick	SLE-FREQ.	-7.3916	0.5355	2.62	8.67
318	Shell-Thick	SLE-QP	-5.6845	-0.4253	1.13	5.31
318	Shell-Thick	SLE-QP	-5.3276	0.0342	1.24	5.31
318	Shell-Thick	SLE-QP	-5.5040	-0.1533	1.24	5.12
318	Shell-Thick	SLE-QP	-5.8627	-0.6005	1.13	5.12
319	Shell-Thick	SLU-STATICA	-9.8338	1.5454	2.46	13.67
319	Shell-Thick	SLU-STATICA	-9.6945	2.8458	2.61	13.67
319	Shell-Thick	SLU-STATICA	-10.0567	1.2467	2.61	13.40
319	Shell-Thick	SLU-STATICA	-10.2318	0.1920	2.46	13.40
319	Shell-Thick	SLU-SISMICA	-13.0661	5.9492	6.92	25.08
319	Shell-Thick	SLU-SISMICA	-12.7354	8.2871	7.18	25.08

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319	Shell-Thick	SLU-SISMICA	-13.7679	5.6748	7.18	24.63
319	Shell-Thick	SLU-SISMICA	-14.1499	3.6884	6.92	24.63
319	Shell-Thick	SLE-RARA	-7.2904	0.9516	1.64	9.79
319	Shell-Thick	SLE-RARA	-7.1944	1.8853	1.75	9.79
319	Shell-Thick	SLE-RARA	-7.4354	0.7241	1.75	9.60
319	Shell-Thick	SLE-RARA	-7.5578	-0.0287	1.64	9.60
319	Shell-Thick	SLE-FREQ.	-6.8450	0.5662	1.23	8.61
319	Shell-Thick	SLE-FREQ.	-6.7671	1.3916	1.33	8.61
319	Shell-Thick	SLE-FREQ.	-6.9471	0.3423	1.33	8.44
319	Shell-Thick	SLE-FREQ.	-7.0494	-0.3154	1.23	8.44
319	Shell-Thick	SLE-QP	-5.5088	-0.5899	8.372E-03	5.07
319	Shell-Thick	SLE-QP	-5.4852	-0.0894	7.449E-02	5.07
319	Shell-Thick	SLE-QP	-5.4821	-0.8030	7.449E-02	4.96
319	Shell-Thick	SLE-QP	-5.5244	-1.1753	8.372E-03	4.96
320	Shell-Thick	SLU-STATICA	-10.1065	0.2364	0.58	13.41
320	Shell-Thick	SLU-STATICA	-9.2787	1.3830	0.71	13.41
320	Shell-Thick	SLU-STATICA	-9.3768	1.2462	0.71	13.17
320	Shell-Thick	SLU-STATICA	-10.2018	0.0802	0.58	13.17
320	Shell-Thick	SLU-SISMICA	-13.7368	3.8100	4.32	24.65
320	Shell-Thick	SLU-SISMICA	-12.3966	5.9101	4.57	24.65
320	Shell-Thick	SLU-SISMICA	-13.0674	5.4530	4.57	24.21
320	Shell-Thick	SLU-SISMICA	-14.4001	3.3027	4.32	24.21
320	Shell-Thick	SLE-RARA	-7.4772	0.0011	0.25	9.60
320	Shell-Thick	SLE-RARA	-6.8754	0.8224	0.35	9.60
320	Shell-Thick	SLE-RARA	-6.9213	0.7347	0.35	9.43
320	Shell-Thick	SLE-RARA	-7.5211	-0.0998	0.25	9.43
320	Shell-Thick	SLE-FREQ.	-6.9945	-0.2927	-6.376E-02	8.44
320	Shell-Thick	SLE-FREQ.	-6.4497	0.4301	2.269E-02	8.44
320	Shell-Thick	SLE-FREQ.	-6.4474	0.3709	2.269E-02	8.29
320	Shell-Thick	SLE-FREQ.	-6.9906	-0.3622	-6.376E-02	8.29
320	Shell-Thick	SLE-QP	-5.5464	-1.1738	-1.01	4.96
320	Shell-Thick	SLE-QP	-5.1724	-0.7469	-0.95	4.96
320	Shell-Thick	SLE-QP	-5.0255	-0.7206	-0.95	4.87
320	Shell-Thick	SLE-QP	-5.3993	-1.1493	-1.01	4.87
321	Shell-Thick	SLU-STATICA	-9.7077	0.1045	-0.76	13.12
321	Shell-Thick	SLU-STATICA	-9.3747	1.3211	-0.64	13.12
321	Shell-Thick	SLU-STATICA	-9.2576	0.5061	-0.64	12.93
321	Shell-Thick	SLU-STATICA	-9.6150	-0.5431	-0.76	12.93
321	Shell-Thick	SLU-SISMICA	-13.4121	3.4034	2.43	24.14
321	Shell-Thick	SLU-SISMICA	-12.8146	5.6005	2.65	24.14
321	Shell-Thick	SLU-SISMICA	-13.1791	4.1182	2.65	23.75
321	Shell-Thick	SLU-SISMICA	-13.8098	2.1487	2.43	23.75
321	Shell-Thick	SLE-RARA	-7.1713	-0.0851	-0.73	9.39
321	Shell-Thick	SLE-RARA	-6.9321	0.7879	-0.65	9.39
321	Shell-Thick	SLE-RARA	-6.8194	0.2036	-0.65	9.25
321	Shell-Thick	SLE-RARA	-7.0767	-0.5456	-0.73	9.25
321	Shell-Thick	SLE-FREQ.	-6.6901	-0.3542	-0.97	8.26
321	Shell-Thick	SLE-FREQ.	-6.4785	0.4168	-0.91	8.26
321	Shell-Thick	SLE-FREQ.	-6.3290	-0.0983	-0.91	8.14
321	Shell-Thick	SLE-FREQ.	-6.5575	-0.7534	-0.97	8.14
321	Shell-Thick	SLE-QP	-5.2463	-1.1612	-1.71	4.84
321	Shell-Thick	SLE-QP	-5.1177	-0.6966	-1.67	4.84
321	Shell-Thick	SLE-QP	-4.8578	-1.0039	-1.67	4.78
321	Shell-Thick	SLE-QP	-4.9998	-1.3767	-1.71	4.78
322	Shell-Thick	SLU-STATICA	-9.6901	-0.5315	-1.93	12.94
322	Shell-Thick	SLU-STATICA	-8.8193	0.5671	-1.80	12.94
322	Shell-Thick	SLU-STATICA	-8.5424	0.6987	-1.80	12.73
322	Shell-Thick	SLU-STATICA	-9.4079	-0.4356	-1.93	12.73
322	Shell-Thick	SLU-SISMICA	-13.6408	2.2372	0.68	23.79
322	Shell-Thick	SLU-SISMICA	-12.2563	4.2480	0.92	23.79
322	Shell-Thick	SLU-SISMICA	-12.3817	4.1753	0.92	23.37
322	Shell-Thick	SLU-SISMICA	-13.7542	2.0836	0.68	23.37
322	Shell-Thick	SLE-RARA	-7.1457	-0.5407	-1.59	9.27
322	Shell-Thick	SLE-RARA	-6.5115	0.2463	-1.50	9.27
322	Shell-Thick	SLE-RARA	-6.2816	0.3563	-1.50	9.11
322	Shell-Thick	SLE-RARA	-6.9121	-0.4556	-1.59	9.11
322	Shell-Thick	SLE-FREQ.	-6.6449	-0.7549	-1.76	8.15
322	Shell-Thick	SLE-FREQ.	-6.0685	-0.0622	-1.69	8.15
322	Shell-Thick	SLE-FREQ.	-5.8112	0.0618	-1.69	8.01

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322	Shell-Thick	SLE-FREQ.	-6.3845	-0.6514	-1.76	8.01
322	Shell-Thick	SLE-QP	-5.1423	-1.3975	-2.29	4.79
322	Shell-Thick	SLE-QP	-4.7395	-0.9880	-2.25	4.79
322	Shell-Thick	SLE-QP	-4.4000	-0.8217	-2.25	4.72
322	Shell-Thick	SLE-QP	-4.8017	-1.2388	-2.29	4.72
323	Shell-Thick	SLU-STATICA	-9.1724	-0.4345	-2.65	12.70
323	Shell-Thick	SLU-STATICA	-8.6657	0.7201	-2.53	12.70
323	Shell-Thick	SLU-STATICA	-8.2689	0.3509	-2.53	12.48
323	Shell-Thick	SLU-STATICA	-8.7930	-0.6847	-2.65	12.48
323	Shell-Thick	SLU-SISMICA	-13.1119	2.1606	-0.51	23.34
323	Shell-Thick	SLU-SISMICA	-12.2696	4.2492	-0.28	23.34
323	Shell-Thick	SLU-SISMICA	-12.1989	3.4368	-0.28	22.94
323	Shell-Thick	SLU-SISMICA	-13.0633	1.4996	-0.51	22.94
323	Shell-Thick	SLE-RARA	-6.7540	-0.4585	-2.11	9.09
323	Shell-Thick	SLE-RARA	-6.3868	0.3698	-2.03	9.09
323	Shell-Thick	SLE-RARA	-6.0698	0.1122	-2.03	8.94
323	Shell-Thick	SLE-RARA	-6.4500	-0.6276	-2.11	8.94
323	Shell-Thick	SLE-FREQ.	-6.2637	-0.6605	-2.24	7.99
323	Shell-Thick	SLE-FREQ.	-5.9331	0.0707	-2.16	7.99
323	Shell-Thick	SLE-FREQ.	-5.5972	-0.1442	-2.16	7.86
323	Shell-Thick	SLE-FREQ.	-5.9400	-0.7917	-2.24	7.86
323	Shell-Thick	SLE-QP	-4.7929	-1.2664	-2.61	4.69
323	Shell-Thick	SLE-QP	-4.5722	-0.8267	-2.56	4.69
323	Shell-Thick	SLE-QP	-4.1793	-0.9133	-2.56	4.62
323	Shell-Thick	SLE-QP	-4.4101	-1.2838	-2.61	4.62
324	Shell-Thick	SLU-STATICA	-8.9384	-0.6854	-3.16	12.50
324	Shell-Thick	SLU-STATICA	-8.0234	0.3717	-3.02	12.50
324	Shell-Thick	SLU-STATICA	-7.6228	0.6119	-3.02	12.29
324	Shell-Thick	SLU-STATICA	-8.5271	-0.4861	-3.16	12.29
324	Shell-Thick	SLU-SISMICA	-12.9905	1.5715	-1.47	22.98
324	Shell-Thick	SLU-SISMICA	-11.5495	3.5093	-1.23	22.98
324	Shell-Thick	SLU-SISMICA	-11.3835	3.6525	-1.23	22.61
324	Shell-Thick	SLU-SISMICA	-12.8015	1.6267	-1.47	22.61
324	Shell-Thick	SLE-RARA	-6.5711	-0.6318	-2.48	8.95
324	Shell-Thick	SLE-RARA	-5.9039	0.1253	-2.37	8.95
324	Shell-Thick	SLE-RARA	-5.5887	0.3122	-2.37	8.80
324	Shell-Thick	SLE-RARA	-6.2484	-0.4736	-2.48	8.80
324	Shell-Thick	SLE-FREQ.	-6.0761	-0.8017	-2.55	7.87
324	Shell-Thick	SLE-FREQ.	-5.4686	-0.1356	-2.46	7.87
324	Shell-Thick	SLE-FREQ.	-5.1419	0.0546	-2.46	7.73
324	Shell-Thick	SLE-FREQ.	-5.7430	-0.6355	-2.55	7.73
324	Shell-Thick	SLE-QP	-4.5910	-1.3114	-2.79	4.62
324	Shell-Thick	SLE-QP	-4.1626	-0.9185	-2.73	4.62
324	Shell-Thick	SLE-QP	-3.8013	-0.7182	-2.73	4.53
324	Shell-Thick	SLE-QP	-4.2270	-1.1214	-2.79	4.53
325	Shell-Thick	SLU-STATICA	41.1929	88.8696	77.68	54.01
325	Shell-Thick	SLU-STATICA	37.0371	94.4066	83.74	54.01
325	Shell-Thick	SLU-STATICA	25.1153	41.8954	83.74	43.54
325	Shell-Thick	SLU-STATICA	28.8950	38.9460	77.68	43.54
325	Shell-Thick	SLU-SISMICA	59.9007	134.7750	103.85	75.42
325	Shell-Thick	SLU-SISMICA	53.6438	142.7298	111.63	75.42
325	Shell-Thick	SLU-SISMICA	37.7656	64.8015	111.63	61.97
325	Shell-Thick	SLU-SISMICA	43.4466	60.8042	103.85	61.97
325	Shell-Thick	SLE-RARA	30.2813	65.0526	57.56	39.86
325	Shell-Thick	SLE-RARA	27.2369	69.1277	62.06	39.86
325	Shell-Thick	SLE-RARA	18.4005	30.6044	62.06	32.07
325	Shell-Thick	SLE-RARA	21.1698	28.4218	57.56	32.07
325	Shell-Thick	SLE-FREQ.	27.9972	59.6762	53.99	37.12
325	Shell-Thick	SLE-FREQ.	25.2006	63.4521	58.24	37.12
325	Shell-Thick	SLE-FREQ.	16.9072	27.9674	58.24	29.77
325	Shell-Thick	SLE-FREQ.	19.4519	25.9247	53.99	29.77
325	Shell-Thick	SLE-QP	21.1451	43.5467	43.28	28.89
325	Shell-Thick	SLE-QP	19.0917	46.4251	46.77	28.89
325	Shell-Thick	SLE-QP	12.4273	20.0563	46.77	22.85
325	Shell-Thick	SLE-QP	14.2984	18.4334	43.28	22.85
326	Shell-Thick	SLU-STATICA	25.0622	38.8541	55.83	43.94
326	Shell-Thick	SLU-STATICA	31.0839	42.4144	62.25	43.94
326	Shell-Thick	SLU-STATICA	22.2569	45.1786	62.25	32.84
326	Shell-Thick	SLU-STATICA	16.1733	42.0596	55.83	32.84

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326	Shell-Thick	SLU-SISMICA	37.3574	60.4397	74.68	62.46
326	Shell-Thick	SLU-SISMICA	46.2515	65.6453	82.64	62.46
326	Shell-Thick	SLU-SISMICA	34.5016	70.3661	82.64	48.72
326	Shell-Thick	SLU-SISMICA	25.5027	65.8998	74.68	48.72
326	Shell-Thick	SLE-RARA	18.3779	28.3658	41.36	32.37
326	Shell-Thick	SLE-RARA	22.7977	30.9816	46.15	32.37
326	Shell-Thick	SLE-RARA	16.2548	32.9786	46.15	24.10
326	Shell-Thick	SLE-RARA	11.7903	30.6823	41.36	24.10
326	Shell-Thick	SLE-FREQ.	16.9144	25.8924	38.79	30.05
326	Shell-Thick	SLE-FREQ.	20.9891	28.3085	43.34	30.05
326	Shell-Thick	SLE-FREQ.	14.8478	30.0956	43.34	22.20
326	Shell-Thick	SLE-FREQ.	10.7329	27.9666	38.79	22.20
326	Shell-Thick	SLE-QP	12.5237	18.4725	31.08	23.09
326	Shell-Thick	SLE-QP	15.5634	20.2895	34.90	23.09
326	Shell-Thick	SLE-QP	10.6266	21.4464	34.90	16.50
326	Shell-Thick	SLE-QP	7.5607	19.8194	31.08	16.50
327	Shell-Thick	SLU-STATICA	14.9299	40.8921	47.22	32.19
327	Shell-Thick	SLU-STATICA	13.1606	44.2781	50.03	32.19
327	Shell-Thick	SLU-STATICA	5.9808	25.1384	50.03	27.33
327	Shell-Thick	SLU-STATICA	7.5180	23.3463	47.22	27.33
327	Shell-Thick	SLU-SISMICA	23.2184	63.9671	64.07	47.67
327	Shell-Thick	SLU-SISMICA	20.7047	69.0825	67.38	47.67
327	Shell-Thick	SLU-SISMICA	11.0209	40.9612	67.38	41.96
327	Shell-Thick	SLU-SISMICA	13.1799	38.2792	64.07	41.96
327	Shell-Thick	SLE-RARA	10.9000	29.8358	34.94	23.62
327	Shell-Thick	SLE-RARA	9.5964	32.3153	37.05	23.62
327	Shell-Thick	SLE-RARA	4.2808	18.2600	37.05	19.98
327	Shell-Thick	SLE-RARA	5.4146	16.9463	34.94	19.98
327	Shell-Thick	SLE-FREQ.	9.9501	27.2039	32.69	21.77
327	Shell-Thick	SLE-FREQ.	8.7398	29.4801	34.71	21.77
327	Shell-Thick	SLE-FREQ.	3.7610	16.5094	34.71	18.29
327	Shell-Thick	SLE-FREQ.	4.8158	15.3013	32.69	18.29
327	Shell-Thick	SLE-QP	7.1003	19.3080	25.96	16.20
327	Shell-Thick	SLE-QP	6.1700	20.9745	27.69	16.20
327	Shell-Thick	SLE-QP	2.2018	11.2577	27.69	13.20
327	Shell-Thick	SLE-QP	3.0194	10.3662	25.96	13.20
328	Shell-Thick	SLU-STATICA	5.8037	23.1624	36.67	27.41
328	Shell-Thick	SLU-STATICA	8.6771	25.5187	38.91	27.41
328	Shell-Thick	SLU-STATICA	3.0267	24.6738	38.91	23.54
328	Shell-Thick	SLU-STATICA	0.1132	22.5979	36.67	23.54
328	Shell-Thick	SLU-SISMICA	10.3736	37.8740	50.33	42.01
328	Shell-Thick	SLU-SISMICA	14.7857	41.5581	53.02	42.01
328	Shell-Thick	SLU-SISMICA	7.0661	40.7018	53.02	37.36
328	Shell-Thick	SLU-SISMICA	2.5873	37.4806	50.33	37.36
328	Shell-Thick	SLE-RARA	4.1700	16.8180	27.11	20.04
328	Shell-Thick	SLE-RARA	6.2706	18.5373	28.78	20.04
328	Shell-Thick	SLE-RARA	2.0922	17.8977	28.78	17.15
328	Shell-Thick	SLE-RARA	-0.0375	16.3818	27.11	17.15
328	Shell-Thick	SLE-FREQ.	3.6916	15.1943	25.32	18.34
328	Shell-Thick	SLE-FREQ.	5.6140	16.7621	26.91	18.34
328	Shell-Thick	SLE-FREQ.	1.7087	16.1392	26.91	15.59
328	Shell-Thick	SLE-FREQ.	-0.2399	14.7548	25.32	15.59
328	Shell-Thick	SLE-QP	2.2564	10.3233	19.95	13.26
328	Shell-Thick	SLE-QP	3.6441	11.4365	21.30	13.26
328	Shell-Thick	SLE-QP	0.5580	10.8637	21.30	10.92
328	Shell-Thick	SLE-QP	-0.8471	9.8738	19.95	10.92
329	Shell-Thick	SLU-STATICA	1.7626	22.3453	30.33	23.13
329	Shell-Thick	SLU-STATICA	0.7073	24.7924	31.61	23.13
329	Shell-Thick	SLU-STATICA	-3.8624	15.1706	31.61	20.91
329	Shell-Thick	SLU-STATICA	-2.9621	13.7862	30.33	20.91
329	Shell-Thick	SLU-SISMICA	4.8140	37.0028	42.59	36.71
329	Shell-Thick	SLU-SISMICA	3.4127	40.8943	44.07	36.71
329	Shell-Thick	SLU-SISMICA	-2.9706	26.8217	44.07	34.17
329	Shell-Thick	SLU-SISMICA	-1.8053	24.5474	42.59	34.17
329	Shell-Thick	SLE-RARA	1.1835	16.2016	22.37	16.85
329	Shell-Thick	SLE-RARA	0.4012	17.9839	23.33	16.85
329	Shell-Thick	SLE-RARA	-2.9711	10.9148	23.33	15.19
329	Shell-Thick	SLE-RARA	-2.3021	9.9102	22.37	15.19
329	Shell-Thick	SLE-FREQ.	0.9036	14.5976	20.81	15.32

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329	Shell-Thick	SLE-FREQ.	0.1689	16.2172	21.74	15.32
329	Shell-Thick	SLE-FREQ.	-2.9712	9.6882	21.74	13.72
329	Shell-Thick	SLE-FREQ.	-2.3404	8.7815	20.81	13.72
329	Shell-Thick	SLE-QP	0.0637	9.7854	16.14	10.72
329	Shell-Thick	SLE-QP	-0.5277	10.9171	16.94	10.72
329	Shell-Thick	SLE-QP	-2.9713	6.0083	16.94	9.33
329	Shell-Thick	SLE-QP	-2.4554	5.3953	16.14	9.33
330	Shell-Thick	SLU-STATICA	-3.2535	13.7788	23.44	20.93
330	Shell-Thick	SLU-STATICA	-1.4388	15.6045	24.45	20.93
330	Shell-Thick	SLU-STATICA	-5.0200	14.1670	24.45	19.17
330	Shell-Thick	SLU-STATICA	-6.8581	12.5043	23.44	19.17
330	Shell-Thick	SLU-SISMICA	-2.3898	24.4637	33.78	34.16
330	Shell-Thick	SLU-SISMICA	0.4752	27.4777	34.98	34.16
330	Shell-Thick	SLU-SISMICA	-4.6642	25.5417	34.98	32.08
330	Shell-Thick	SLU-SISMICA	-7.5675	22.7936	33.78	32.08
330	Shell-Thick	SLE-RARA	-2.5083	9.9083	17.25	15.20
330	Shell-Thick	SLE-RARA	-1.1856	11.2326	18.00	15.20
330	Shell-Thick	SLE-RARA	-3.8216	10.1682	18.00	13.89
330	Shell-Thick	SLE-RARA	-5.1613	8.9623	17.25	13.89
330	Shell-Thick	SLE-FREQ.	-2.5174	8.7859	15.97	13.74
330	Shell-Thick	SLE-FREQ.	-1.3136	9.9799	16.70	13.74
330	Shell-Thick	SLE-FREQ.	-3.7566	8.9827	16.70	12.48
330	Shell-Thick	SLE-FREQ.	-4.9757	7.8958	15.97	12.48
330	Shell-Thick	SLE-QP	-2.5448	5.4187	12.15	9.35
330	Shell-Thick	SLE-QP	-1.6978	6.2217	12.77	9.35
330	Shell-Thick	SLE-QP	-3.5616	5.4262	12.77	8.27
330	Shell-Thick	SLE-QP	-4.4191	4.6960	12.15	8.27
331	Shell-Thick	SLU-STATICA	-4.9434	12.4951	18.77	18.90
331	Shell-Thick	SLU-STATICA	-5.5435	14.4545	19.37	18.90
331	Shell-Thick	SLU-STATICA	-8.3518	8.8398	19.37	17.86
331	Shell-Thick	SLU-STATICA	-7.8570	7.6018	18.77	17.86
331	Shell-Thick	SLU-SISMICA	-4.8199	22.7302	28.03	31.65
331	Shell-Thick	SLU-SISMICA	-5.5521	25.9770	28.71	31.65
331	Shell-Thick	SLU-SISMICA	-9.7291	17.7083	28.71	30.46
331	Shell-Thick	SLU-SISMICA	-9.1562	15.5522	28.03	30.46
331	Shell-Thick	SLE-RARA	-3.7520	8.9580	13.76	13.68
331	Shell-Thick	SLE-RARA	-4.2001	10.3786	14.21	13.68
331	Shell-Thick	SLE-RARA	-6.2598	6.2564	14.21	12.90
331	Shell-Thick	SLE-RARA	-5.8888	5.3640	13.76	12.90
331	Shell-Thick	SLE-FREQ.	-3.6696	7.8960	12.66	12.30
331	Shell-Thick	SLE-FREQ.	-4.0958	9.1758	13.09	12.30
331	Shell-Thick	SLE-FREQ.	-5.9923	5.3733	13.09	11.55
331	Shell-Thick	SLE-FREQ.	-5.6369	4.5784	12.66	11.55
331	Shell-Thick	SLE-QP	-3.4226	4.7100	9.36	8.14
331	Shell-Thick	SLE-QP	-3.7831	5.5673	9.74	8.14
331	Shell-Thick	SLE-QP	-5.1897	2.7240	9.74	7.49
331	Shell-Thick	SLE-QP	-4.8810	2.2215	9.36	7.49
332	Shell-Thick	SLU-STATICA	-7.6394	7.6707	14.00	17.86
332	Shell-Thick	SLU-STATICA	-6.2887	9.2270	14.49	17.86
332	Shell-Thick	SLU-STATICA	-8.4207	8.0136	14.49	17.02
332	Shell-Thick	SLU-STATICA	-9.7826	6.5352	14.00	17.02
332	Shell-Thick	SLU-SISMICA	-8.8687	15.6276	21.92	30.45
332	Shell-Thick	SLU-SISMICA	-6.7100	18.2941	22.50	30.45
332	Shell-Thick	SLU-SISMICA	-10.0339	16.5145	22.50	29.44
332	Shell-Thick	SLU-SISMICA	-12.2102	13.9703	21.92	29.44
332	Shell-Thick	SLE-RARA	-5.7274	5.4159	10.22	12.91
332	Shell-Thick	SLE-RARA	-4.7442	6.5399	10.58	12.91
332	Shell-Thick	SLE-RARA	-6.3003	5.6487	10.58	12.28
332	Shell-Thick	SLE-RARA	-7.2917	4.5816	10.22	12.28
332	Shell-Thick	SLE-FREQ.	-5.4852	4.6285	9.31	11.55
332	Shell-Thick	SLE-FREQ.	-4.5926	5.6335	9.66	11.55
332	Shell-Thick	SLE-FREQ.	-6.0123	4.8108	9.66	10.96
332	Shell-Thick	SLE-FREQ.	-6.9124	3.8576	9.31	10.96
332	Shell-Thick	SLE-QP	-4.7585	2.2661	6.61	7.50
332	Shell-Thick	SLE-QP	-4.1378	2.9143	6.90	7.50
332	Shell-Thick	SLE-QP	-5.1486	2.2971	6.90	6.99
332	Shell-Thick	SLE-QP	-5.7745	1.6856	6.61	6.99
333	Shell-Thick	SLU-STATICA	-8.1170	6.6033	10.58	16.84
333	Shell-Thick	SLU-STATICA	-8.3592	8.2909	10.86	16.84

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333	Shell-Thick	SLU-STATICA	-9.9323	4.8773	10.86	16.35
333	Shell-Thick	SLU-STATICA	-9.7614	3.6782	10.58	16.35
333	Shell-Thick	SLU-SISMICA	-9.7118	14.0643	17.62	29.16
333	Shell-Thick	SLU-SISMICA	-9.9339	16.9401	17.95	29.16
333	Shell-Thick	SLU-SISMICA	-12.5493	11.7986	17.95	28.58
333	Shell-Thick	SLU-SISMICA	-12.4337	9.6515	17.62	28.58
333	Shell-Thick	SLE-RARA	-6.0710	4.6319	7.67	12.14
333	Shell-Thick	SLE-RARA	-6.2556	5.8514	7.88	12.14
333	Shell-Thick	SLE-RARA	-7.3957	3.3509	7.88	11.78
333	Shell-Thick	SLE-RARA	-7.2635	2.4895	7.67	11.78
333	Shell-Thick	SLE-FREQ.	-5.7903	3.9045	6.90	10.83
333	Shell-Thick	SLE-FREQ.	-5.9719	4.9963	7.10	10.83
333	Shell-Thick	SLE-FREQ.	-6.9982	2.6995	7.10	10.48
333	Shell-Thick	SLE-FREQ.	-6.8648	1.9373	6.90	10.48
333	Shell-Thick	SLE-QP	-4.9481	1.7224	4.60	6.89
333	Shell-Thick	SLE-QP	-5.1210	2.4311	4.77	6.89
333	Shell-Thick	SLE-QP	-5.8060	0.7452	4.77	6.60
333	Shell-Thick	SLE-QP	-5.6687	0.2804	4.60	6.60
334	Shell-Thick	SLU-STATICA	-9.4521	3.7630	7.23	16.36
334	Shell-Thick	SLU-STATICA	-8.3198	5.1769	7.47	16.36
334	Shell-Thick	SLU-STATICA	-9.4218	4.3936	7.47	15.94
334	Shell-Thick	SLU-STATICA	-10.5567	2.9978	7.23	15.94
334	Shell-Thick	SLU-SISMICA	-11.8934	9.7891	13.26	28.59
334	Shell-Thick	SLU-SISMICA	-10.0827	12.2623	13.57	28.59
334	Shell-Thick	SLU-SISMICA	-12.0938	10.9817	13.57	28.05
334	Shell-Thick	SLU-SISMICA	-13.9072	8.5276	13.26	28.05
334	Shell-Thick	SLE-RARA	-7.0406	2.5512	5.18	11.78
334	Shell-Thick	SLE-RARA	-6.2164	3.5697	5.36	11.78
334	Shell-Thick	SLE-RARA	-7.0061	3.0009	5.36	11.48
334	Shell-Thick	SLE-RARA	-7.8322	1.9960	5.18	11.48
334	Shell-Thick	SLE-FREQ.	-6.6664	1.9930	4.56	10.49
334	Shell-Thick	SLE-FREQ.	-5.9183	2.8994	4.73	10.49
334	Shell-Thick	SLE-FREQ.	-6.6138	2.3855	4.73	10.20
334	Shell-Thick	SLE-FREQ.	-7.3638	1.4924	4.56	10.20
334	Shell-Thick	SLE-QP	-5.5437	0.3186	2.69	6.60
334	Shell-Thick	SLE-QP	-5.0238	0.8884	2.83	6.60
334	Shell-Thick	SLE-QP	-5.4368	0.5393	2.83	6.36
334	Shell-Thick	SLE-QP	-5.9584	-0.0186	2.69	6.36
335	Shell-Thick	SLU-STATICA	-9.2932	3.0741	4.78	15.82
335	Shell-Thick	SLU-STATICA	-9.2526	4.6038	4.91	15.82
335	Shell-Thick	SLU-STATICA	-9.9555	2.5807	4.91	15.58
335	Shell-Thick	SLU-STATICA	-10.0441	1.3790	4.78	15.58
335	Shell-Thick	SLU-SISMICA	-11.8963	8.6689	10.07	27.87
335	Shell-Thick	SLU-SISMICA	-11.7188	11.3176	10.26	27.87
335	Shell-Thick	SLU-SISMICA	-13.2091	8.1323	10.26	27.54
335	Shell-Thick	SLU-SISMICA	-13.4564	5.9609	10.07	27.54
335	Shell-Thick	SLE-RARA	-6.9121	2.0506	3.35	11.39
335	Shell-Thick	SLE-RARA	-6.8882	3.1540	3.46	11.39
335	Shell-Thick	SLE-RARA	-7.3816	1.6789	3.46	11.21
335	Shell-Thick	SLE-RARA	-7.4408	0.8167	3.35	11.21
335	Shell-Thick	SLE-FREQ.	-6.5278	1.5403	2.84	10.11
335	Shell-Thick	SLE-FREQ.	-6.5157	2.5244	2.93	10.11
335	Shell-Thick	SLE-FREQ.	-6.9322	1.1812	2.93	9.95
335	Shell-Thick	SLE-FREQ.	-6.9769	0.4200	2.84	9.95
335	Shell-Thick	SLE-QP	-5.3748	0.0092	1.28	6.30
335	Shell-Thick	SLE-QP	-5.3982	0.6359	1.36	6.30
335	Shell-Thick	SLE-QP	-5.5840	-0.3117	1.36	6.17
335	Shell-Thick	SLE-QP	-5.5852	-0.7701	1.28	6.17
336	Shell-Thick	SLU-STATICA	-9.8443	1.4461	2.46	15.59
336	Shell-Thick	SLU-STATICA	-8.8120	2.7822	2.59	15.59
336	Shell-Thick	SLU-STATICA	-9.1923	2.4301	2.59	15.36
336	Shell-Thick	SLU-STATICA	-10.2215	1.0735	2.46	15.36
336	Shell-Thick	SLU-SISMICA	-12.9780	6.1029	6.96	27.56
336	Shell-Thick	SLU-SISMICA	-11.3362	8.4605	7.16	27.56
336	Shell-Thick	SLU-SISMICA	-12.3989	7.7271	7.16	27.21
336	Shell-Thick	SLU-SISMICA	-14.0333	5.3197	6.96	27.21
336	Shell-Thick	SLE-RARA	-7.3032	0.8638	1.64	11.22
336	Shell-Thick	SLE-RARA	-6.5514	1.8253	1.74	11.22
336	Shell-Thick	SLE-RARA	-6.8056	1.5775	1.74	11.05

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336	Shell-Thick	SLE-RARA	-7.5553	0.6019	1.64	11.05
336	Shell-Thick	SLE-FREQ.	-6.8656	0.4598	1.23	9.96
336	Shell-Thick	SLE-FREQ.	-6.1825	1.3136	1.32	9.96
336	Shell-Thick	SLE-FREQ.	-6.3743	1.1033	1.32	9.80
336	Shell-Thick	SLE-FREQ.	-7.0558	0.2381	1.23	9.80
336	Shell-Thick	SLE-QP	-5.5528	-0.7522	-1.976E-03	6.18
336	Shell-Thick	SLE-QP	-5.0756	-0.2214	6.259E-02	6.18
336	Shell-Thick	SLE-QP	-5.0804	-0.3193	6.259E-02	6.06
336	Shell-Thick	SLE-QP	-5.5571	-0.8533	-1.976E-03	6.06
337	Shell-Thick	SLU-STATICA	-9.3835	1.1270	0.77	15.28
337	Shell-Thick	SLU-STATICA	-9.1157	2.5595	0.86	15.28
337	Shell-Thick	SLU-STATICA	-9.2225	1.4628	0.86	15.13
337	Shell-Thick	SLU-STATICA	-9.5224	0.2500	0.77	15.13
337	Shell-Thick	SLU-SISMICA	-12.5677	5.4535	4.66	27.10
337	Shell-Thick	SLU-SISMICA	-12.0686	7.9525	4.82	27.10
337	Shell-Thick	SLU-SISMICA	-12.7572	6.0788	4.82	26.83
337	Shell-Thick	SLU-SISMICA	-13.3011	3.8862	4.66	26.83
337	Shell-Thick	SLE-RARA	-6.9516	0.6385	0.39	10.99
337	Shell-Thick	SLE-RARA	-6.7602	1.6708	0.46	10.99
337	Shell-Thick	SLE-RARA	-6.8121	0.8784	0.46	10.88
337	Shell-Thick	SLE-RARA	-7.0272	0.0083	0.39	10.88
337	Shell-Thick	SLE-FREQ.	-6.5185	0.2672	6.325E-02	9.75
337	Shell-Thick	SLE-FREQ.	-6.3508	1.1864	0.12	9.75
337	Shell-Thick	SLE-FREQ.	-6.3537	0.4774	0.12	9.65
337	Shell-Thick	SLE-FREQ.	-6.5434	-0.2907	6.325E-02	9.65
337	Shell-Thick	SLE-QP	-5.2193	-0.8467	-0.92	6.02
337	Shell-Thick	SLE-QP	-5.1228	-0.2668	-0.89	6.02
337	Shell-Thick	SLE-QP	-4.9783	-0.7257	-0.89	5.96
337	Shell-Thick	SLE-QP	-5.0920	-1.1878	-0.92	5.96
338	Shell-Thick	SLU-STATICA	-9.4999	0.2861	-0.74	15.14
338	Shell-Thick	SLU-STATICA	-8.5025	1.5752	-0.63	15.14
338	Shell-Thick	SLU-STATICA	-8.4026	1.5620	-0.63	14.96
338	Shell-Thick	SLU-STATICA	-9.3941	0.2324	-0.74	14.96
338	Shell-Thick	SLU-SISMICA	-13.0122	4.0036	2.51	26.87
338	Shell-Thick	SLU-SISMICA	-11.4374	6.2831	2.69	26.87
338	Shell-Thick	SLU-SISMICA	-11.8344	6.0094	2.69	26.55
338	Shell-Thick	SLU-SISMICA	-13.3961	3.6418	2.51	26.55
338	Shell-Thick	SLE-RARA	-7.0234	0.0316	-0.72	10.89
338	Shell-Thick	SLE-RARA	-6.2964	0.9591	-0.64	10.89
338	Shell-Thick	SLE-RARA	-6.1960	0.9620	-0.64	10.76
338	Shell-Thick	SLE-RARA	-6.9189	0.0062	-0.72	10.76
338	Shell-Thick	SLE-FREQ.	-6.5616	-0.2747	-0.97	9.66
338	Shell-Thick	SLE-FREQ.	-5.9000	0.5485	-0.90	9.66
338	Shell-Thick	SLE-FREQ.	-5.7612	0.5728	-0.90	9.54
338	Shell-Thick	SLE-FREQ.	-6.4194	-0.2741	-0.97	9.54
338	Shell-Thick	SLE-QP	-5.1762	-1.1936	-1.72	5.96
338	Shell-Thick	SLE-QP	-4.7106	-0.6831	-1.67	5.96
338	Shell-Thick	SLE-QP	-4.4569	-0.5948	-1.67	5.89
338	Shell-Thick	SLE-QP	-4.9209	-1.1152	-1.72	5.89
339	Shell-Thick	SLU-STATICA	-8.9154	0.2566	-1.76	14.91
339	Shell-Thick	SLU-STATICA	-8.4613	1.6219	-1.67	14.91
339	Shell-Thick	SLU-STATICA	-8.1928	1.1109	-1.67	14.75
339	Shell-Thick	SLU-STATICA	-8.6689	-0.1036	-1.76	14.75
339	Shell-Thick	SLU-SISMICA	-12.4075	3.7487	0.97	26.49
339	Shell-Thick	SLU-SISMICA	-11.6416	6.1388	1.14	26.49
339	Shell-Thick	SLU-SISMICA	-11.7859	5.1176	1.14	26.20
339	Shell-Thick	SLU-SISMICA	-12.5805	2.9244	0.97	26.20
339	Shell-Thick	SLE-RARA	-6.5815	0.0204	-1.47	10.72
339	Shell-Thick	SLE-RARA	-6.2529	1.0039	-1.40	10.72
339	Shell-Thick	SLE-RARA	-6.0289	0.6422	-1.40	10.60
339	Shell-Thick	SLE-RARA	-6.3739	-0.2294	-1.47	10.60
339	Shell-Thick	SLE-FREQ.	-6.1323	-0.2671	-1.66	9.51
339	Shell-Thick	SLE-FREQ.	-5.8374	0.6079	-1.60	9.51
339	Shell-Thick	SLE-FREQ.	-5.5850	0.2971	-1.60	9.40
339	Shell-Thick	SLE-FREQ.	-5.8953	-0.4726	-1.66	9.40
339	Shell-Thick	SLE-QP	-4.7845	-1.1296	-2.23	5.86
339	Shell-Thick	SLE-QP	-4.5908	-0.5800	-2.19	5.86
339	Shell-Thick	SLE-QP	-4.2532	-0.7383	-2.19	5.79
339	Shell-Thick	SLE-QP	-4.4594	-1.2022	-2.23	5.79



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340	Shell-Thick	SLU-STATICA	-8.7715	-0.0922	-2.59	14.77
340	Shell-Thick	SLU-STATICA	-7.7844	1.1607	-2.47	14.77
340	Shell-Thick	SLU-STATICA	-7.4079	1.3343	-2.47	14.56
340	Shell-Thick	SLU-STATICA	-8.3885	0.0363	-2.59	14.56
340	Shell-Thick	SLU-SISMICA	-12.4334	3.0174	-0.38	26.24
340	Shell-Thick	SLU-SISMICA	-10.8825	5.2347	-0.18	26.24
340	Shell-Thick	SLU-SISMICA	-10.8481	5.2410	-0.18	25.89
340	Shell-Thick	SLU-SISMICA	-12.3842	2.9231	-0.38	25.89
340	Shell-Thick	SLE-RARA	-6.4641	-0.2248	-2.07	10.62
340	Shell-Thick	SLE-RARA	-5.7441	0.6765	-1.99	10.62
340	Shell-Thick	SLE-RARA	-5.4419	0.8164	-1.99	10.47
340	Shell-Thick	SLE-RARA	-6.1572	-0.1163	-2.07	10.47
340	Shell-Thick	SLE-FREQ.	-6.0038	-0.4748	-2.20	9.41
340	Shell-Thick	SLE-FREQ.	-5.3479	0.3250	-2.13	9.41
340	Shell-Thick	SLE-FREQ.	-5.0250	0.4752	-2.13	9.28
340	Shell-Thick	SLE-FREQ.	-5.6770	-0.3507	-2.20	9.28
340	Shell-Thick	SLE-QP	-4.6228	-1.2248	-2.60	5.80
340	Shell-Thick	SLE-QP	-4.1592	-0.7295	-2.54	5.80
340	Shell-Thick	SLE-QP	-3.7743	-0.5484	-2.54	5.71
340	Shell-Thick	SLE-QP	-4.2364	-1.0538	-2.60	5.71
341	Shell-Thick	SLU-STATICA	-8.1127	0.0437	-2.99	14.52
341	Shell-Thick	SLU-STATICA	-7.5631	1.3510	-2.87	14.52
341	Shell-Thick	SLU-STATICA	-7.1636	1.1082	-2.87	14.35
341	Shell-Thick	SLU-STATICA	-7.7404	-0.0943	-2.99	14.35
341	Shell-Thick	SLU-SISMICA	-11.6892	3.0078	-1.19	25.86
341	Shell-Thick	SLU-SISMICA	-10.7818	5.3086	-1.01	25.86
341	Shell-Thick	SLU-SISMICA	-10.6208	4.7363	-1.01	25.58
341	Shell-Thick	SLU-SISMICA	-11.5617	2.5649	-1.19	25.58
341	Shell-Thick	SLE-RARA	-5.9691	-0.1146	-2.36	10.44
341	Shell-Thick	SLE-RARA	-5.5704	0.8266	-2.27	10.44
341	Shell-Thick	SLE-RARA	-5.2559	0.6590	-2.27	10.31
341	Shell-Thick	SLE-RARA	-5.6748	-0.2040	-2.36	10.31
341	Shell-Thick	SLE-FREQ.	-5.5280	-0.3553	-2.45	9.25
341	Shell-Thick	SLE-FREQ.	-5.1686	0.4809	-2.37	9.25
341	Shell-Thick	SLE-FREQ.	-4.8422	0.3446	-2.37	9.13
341	Shell-Thick	SLE-FREQ.	-5.2209	-0.4175	-2.45	9.13
341	Shell-Thick	SLE-QP	-4.2047	-1.0777	-2.72	5.68
341	Shell-Thick	SLE-QP	-3.9630	-0.5559	-2.66	5.68
341	Shell-Thick	SLE-QP	-3.6011	-0.5986	-2.66	5.60
341	Shell-Thick	SLE-QP	-3.8590	-1.0580	-2.72	5.60
342	Shell-Thick	SLU-STATICA	35.0857	65.6327	79.31	51.74
342	Shell-Thick	SLU-STATICA	62.7251	69.5396	88.55	51.74
342	Shell-Thick	SLU-STATICA	50.1450	51.4442	88.55	35.78
342	Shell-Thick	SLU-STATICA	22.4803	47.7375	79.31	35.78
342	Shell-Thick	SLU-SISMICA	50.4863	98.8131	105.08	70.16
342	Shell-Thick	SLU-SISMICA	91.5114	104.3028	115.96	70.16
342	Shell-Thick	SLU-SISMICA	74.9565	78.5659	115.96	51.36
342	Shell-Thick	SLU-SISMICA	33.8764	73.4842	105.08	51.36
342	Shell-Thick	SLE-RARA	25.8184	48.0792	58.81	38.29
342	Shell-Thick	SLE-RARA	46.0948	50.9607	65.73	38.29
342	Shell-Thick	SLE-RARA	36.7605	37.6299	65.73	26.33
342	Shell-Thick	SLE-RARA	16.4664	34.8897	58.81	26.33
342	Shell-Thick	SLE-FREQ.	23.9162	44.1669	55.24	35.83
342	Shell-Thick	SLE-FREQ.	42.5926	46.8473	61.86	35.83
342	Shell-Thick	SLE-FREQ.	33.8151	34.4732	61.86	24.40
342	Shell-Thick	SLE-FREQ.	15.1238	31.9136	55.24	24.40
342	Shell-Thick	SLE-QP	18.2096	32.4302	44.54	28.46
342	Shell-Thick	SLE-QP	32.0860	34.5073	50.24	28.46
342	Shell-Thick	SLE-QP	24.9789	25.0031	50.24	18.61
342	Shell-Thick	SLE-QP	11.0962	22.9851	44.54	18.61
343	Shell-Thick	SLU-STATICA	30.5292	45.6765	63.61	33.27
343	Shell-Thick	SLU-STATICA	23.6228	49.8106	65.08	33.27
343	Shell-Thick	SLU-STATICA	14.1658	32.6813	65.08	30.74
343	Shell-Thick	SLU-STATICA	20.6777	31.2472	63.61	30.74
343	Shell-Thick	SLU-SISMICA	45.2724	70.1167	84.76	47.50
343	Shell-Thick	SLU-SISMICA	34.9516	76.2117	85.95	47.50
343	Shell-Thick	SLU-SISMICA	22.4452	51.3083	85.95	45.44
343	Shell-Thick	SLU-SISMICA	32.1656	49.3187	84.76	45.44
343	Shell-Thick	SLE-RARA	22.3986	33.3931	47.15	24.50



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343	Shell-Thick	SLE-RARA	17.3354	36.4279	48.27	24.50
343	Shell-Thick	SLE-RARA	10.3215	23.8357	48.27	22.56
343	Shell-Thick	SLE-RARA	15.0959	22.7767	47.15	22.56
343	Shell-Thick	SLE-FREQ.	20.6347	30.5612	44.25	22.73
343	Shell-Thick	SLE-FREQ.	15.9770	33.3601	45.36	22.73
343	Shell-Thick	SLE-FREQ.	9.3866	21.7172	45.36	20.80
343	Shell-Thick	SLE-FREQ.	13.7796	20.7300	44.25	20.80
343	Shell-Thick	SLE-QP	15.3431	22.0656	35.55	17.41
343	Shell-Thick	SLE-QP	11.9017	24.1566	36.65	17.41
343	Shell-Thick	SLE-QP	6.5819	15.3618	36.65	15.50
343	Shell-Thick	SLE-QP	9.8307	14.5898	35.55	15.50
344	Shell-Thick	SLU-STATICA	12.1381	30.3404	47.97	31.22
344	Shell-Thick	SLU-STATICA	19.5574	32.9584	50.95	31.22
344	Shell-Thick	SLU-STATICA	12.1543	29.9237	50.95	26.08
344	Shell-Thick	SLU-STATICA	4.6995	27.5571	47.97	26.08
344	Shell-Thick	SLU-SISMICA	19.0567	47.8003	64.33	46.10
344	Shell-Thick	SLU-SISMICA	30.1959	51.7551	67.94	46.10
344	Shell-Thick	SLU-SISMICA	20.3038	47.9342	67.94	39.85
344	Shell-Thick	SLU-SISMICA	9.1027	44.4126	64.33	39.85
344	Shell-Thick	SLE-RARA	8.8528	22.1201	35.53	22.92
344	Shell-Thick	SLE-RARA	14.2893	24.0373	37.76	22.92
344	Shell-Thick	SLE-RARA	8.8037	21.7770	37.76	19.07
344	Shell-Thick	SLE-RARA	3.3416	20.0413	35.53	19.07
344	Shell-Thick	SLE-FREQ.	8.0659	20.1398	33.31	21.13
344	Shell-Thick	SLE-FREQ.	13.0627	21.8999	35.43	21.13
344	Shell-Thick	SLE-FREQ.	7.9169	19.7599	35.43	17.47
344	Shell-Thick	SLE-FREQ.	2.8973	18.1619	33.31	17.47
344	Shell-Thick	SLE-QP	5.7054	14.1990	26.65	15.77
344	Shell-Thick	SLE-QP	9.3829	15.4877	28.45	15.77
344	Shell-Thick	SLE-QP	5.2565	13.7088	28.45	12.66
344	Shell-Thick	SLE-QP	1.5646	12.5239	26.65	12.66
345	Shell-Thick	SLU-STATICA	8.4271	27.0399	39.53	25.20
345	Shell-Thick	SLU-STATICA	5.8909	29.9337	40.58	25.20
345	Shell-Thick	SLU-STATICA	-0.0050	19.6184	40.58	23.40
345	Shell-Thick	SLU-STATICA	2.3033	18.2848	39.53	23.40
345	Shell-Thick	SLU-SISMICA	14.3199	43.5017	53.98	38.49
345	Shell-Thick	SLU-SISMICA	10.6619	47.9601	54.98	38.49
345	Shell-Thick	SLU-SISMICA	2.6610	33.0477	54.98	36.76
345	Shell-Thick	SLU-SISMICA	5.9724	30.9602	53.98	36.76
345	Shell-Thick	SLE-RARA	6.0919	19.6690	29.24	18.43
345	Shell-Thick	SLE-RARA	4.2260	21.7838	30.03	18.43
345	Shell-Thick	SLE-RARA	-0.1366	14.1965	30.03	17.06
345	Shell-Thick	SLE-RARA	1.5625	13.2235	29.24	17.06
345	Shell-Thick	SLE-FREQ.	5.4574	17.8312	27.33	16.89
345	Shell-Thick	SLE-FREQ.	3.7297	19.7653	28.10	16.89
345	Shell-Thick	SLE-FREQ.	-0.3524	12.7429	28.10	15.54
345	Shell-Thick	SLE-FREQ.	1.2224	11.8558	27.33	15.54
345	Shell-Thick	SLE-QP	3.5540	12.3177	21.60	12.25
345	Shell-Thick	SLE-QP	2.2409	13.7097	22.33	12.25
345	Shell-Thick	SLE-QP	-0.9996	8.3819	22.33	10.99
345	Shell-Thick	SLE-QP	0.2022	7.7526	21.60	10.99
346	Shell-Thick	SLU-STATICA	0.1810	18.0911	30.66	23.52
346	Shell-Thick	SLU-STATICA	3.7016	20.1290	31.86	23.52
346	Shell-Thick	SLU-STATICA	-0.9769	17.8209	31.86	21.45
346	Shell-Thick	SLU-STATICA	-4.5211	15.9472	30.66	21.45
346	Shell-Thick	SLU-SISMICA	2.5497	30.5670	42.65	36.91
346	Shell-Thick	SLU-SISMICA	7.9341	33.8110	44.05	36.91
346	Shell-Thick	SLU-SISMICA	1.4494	30.7804	44.05	34.49
346	Shell-Thick	SLU-SISMICA	-3.9749	27.8132	42.65	34.49
346	Shell-Thick	SLE-RARA	0.0191	13.0867	22.63	17.16
346	Shell-Thick	SLE-RARA	2.5940	14.5708	23.53	17.16
346	Shell-Thick	SLE-RARA	-0.8611	12.8579	23.53	15.60
346	Shell-Thick	SLE-RARA	-3.4530	11.4926	22.63	15.60
346	Shell-Thick	SLE-FREQ.	-0.1760	11.7387	21.09	15.63
346	Shell-Thick	SLE-FREQ.	2.1822	13.0872	21.95	15.63
346	Shell-Thick	SLE-FREQ.	-1.0393	11.4759	21.95	14.14
346	Shell-Thick	SLE-FREQ.	-3.4127	10.2340	21.09	14.14
346	Shell-Thick	SLE-QP	-0.7614	7.6949	16.46	11.06
346	Shell-Thick	SLE-QP	0.9468	8.6362	17.21	11.06

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346	Shell-Thick	SLE-QP	-1.5738	7.3297	17.21	9.77
346	Shell-Thick	SLE-QP	-3.2920	6.4584	16.46	9.77
347	Shell-Thick	SLU-STATICA	-1.6472	15.8395	24.74	20.97
347	Shell-Thick	SLU-STATICA	-2.8750	18.1237	25.25	20.97
347	Shell-Thick	SLU-STATICA	-6.5521	11.9272	25.25	20.09
347	Shell-Thick	SLU-STATICA	-5.4700	10.6401	24.74	20.09
347	Shell-Thick	SLU-SISMICA	0.1018	27.5727	35.42	33.76
347	Shell-Thick	SLU-SISMICA	-1.5915	31.2280	35.90	33.76
347	Shell-Thick	SLU-SISMICA	-6.8315	22.2511	35.90	32.92
347	Shell-Thick	SLU-SISMICA	-5.3590	20.1059	35.42	32.92
347	Shell-Thick	SLE-RARA	-1.3353	11.4176	18.21	15.25
347	Shell-Thick	SLE-RARA	-2.2424	13.0801	18.60	15.25
347	Shell-Thick	SLE-RARA	-4.9508	8.5234	18.60	14.58
347	Shell-Thick	SLE-RARA	-4.1503	7.5908	18.21	14.58
347	Shell-Thick	SLE-FREQ.	-1.4461	10.1719	16.89	13.82
347	Shell-Thick	SLE-FREQ.	-2.2926	11.6807	17.27	13.82
347	Shell-Thick	SLE-FREQ.	-4.8058	7.4648	17.27	13.17
347	Shell-Thick	SLE-FREQ.	-4.0571	6.6257	16.89	13.17
347	Shell-Thick	SLE-QP	-1.7785	6.4346	12.90	9.54
347	Shell-Thick	SLE-QP	-2.4432	7.4824	13.26	9.54
347	Shell-Thick	SLE-QP	-4.3707	4.2890	13.26	8.92
347	Shell-Thick	SLE-QP	-3.7775	3.7305	12.90	8.92
348	Shell-Thick	SLU-STATICA	-5.8790	10.6516	18.87	20.13
348	Shell-Thick	SLU-STATICA	-3.6974	12.4049	19.40	20.13
348	Shell-Thick	SLU-STATICA	-6.5621	10.6145	19.40	19.21
348	Shell-Thick	SLU-STATICA	-8.7557	8.9453	18.87	19.21
348	Shell-Thick	SLU-SISMICA	-6.1050	20.0681	27.97	32.97
348	Shell-Thick	SLU-SISMICA	-2.7256	22.9608	28.57	32.97
348	Shell-Thick	SLU-SISMICA	-6.9570	20.4693	28.57	31.94
348	Shell-Thick	SLU-SISMICA	-10.3565	17.7152	27.97	31.94
348	Shell-Thick	SLE-RARA	-4.4435	7.6020	13.84	14.61
348	Shell-Thick	SLE-RARA	-2.8501	8.8737	14.24	14.61
348	Shell-Thick	SLE-RARA	-4.9526	7.5520	14.24	13.92
348	Shell-Thick	SLE-RARA	-6.5548	6.3413	13.84	13.92
348	Shell-Thick	SLE-FREQ.	-4.3153	6.6407	12.75	13.20
348	Shell-Thick	SLE-FREQ.	-2.8597	7.7874	13.14	13.20
348	Shell-Thick	SLE-FREQ.	-4.7981	6.5559	13.14	12.53
348	Shell-Thick	SLE-FREQ.	-6.2616	5.4642	12.75	12.53
348	Shell-Thick	SLE-QP	-3.9310	3.7568	9.49	8.95
348	Shell-Thick	SLE-QP	-2.8885	4.5285	9.82	8.95
348	Shell-Thick	SLE-QP	-4.3344	3.5677	9.82	8.37
348	Shell-Thick	SLE-QP	-5.3821	2.8330	9.49	8.37
349	Shell-Thick	SLU-STATICA	-6.4705	8.9846	14.64	18.92
349	Shell-Thick	SLU-STATICA	-7.0176	10.9411	14.86	18.92
349	Shell-Thick	SLU-STATICA	-9.1826	7.0961	14.86	18.53
349	Shell-Thick	SLU-STATICA	-8.7312	5.7944	14.64	18.53
349	Shell-Thick	SLU-SISMICA	-7.0244	17.7409	22.73	31.49
349	Shell-Thick	SLU-SISMICA	-7.7204	20.9573	22.93	31.49
349	Shell-Thick	SLU-SISMICA	-11.0734	15.2924	22.93	31.15
349	Shell-Thick	SLU-SISMICA	-10.5213	13.0590	22.73	31.15
349	Shell-Thick	SLE-RARA	-4.8753	6.3717	10.69	13.71
349	Shell-Thick	SLE-RARA	-5.2825	7.7915	10.86	13.71
349	Shell-Thick	SLE-RARA	-6.8638	4.9686	10.86	13.42
349	Shell-Thick	SLE-RARA	-6.5267	4.0287	10.69	13.42
349	Shell-Thick	SLE-FREQ.	-4.7096	5.4950	9.76	12.34
349	Shell-Thick	SLE-FREQ.	-5.0945	6.7762	9.93	12.34
349	Shell-Thick	SLE-FREQ.	-6.5392	4.1725	9.93	12.05
349	Shell-Thick	SLE-FREQ.	-6.2187	3.3323	9.76	12.05
349	Shell-Thick	SLE-QP	-4.2124	2.8649	6.97	8.22
349	Shell-Thick	SLE-QP	-4.5305	3.7304	7.14	8.22
349	Shell-Thick	SLE-QP	-5.5653	1.7842	7.14	7.94
349	Shell-Thick	SLE-QP	-5.2946	1.2433	6.97	7.94
350	Shell-Thick	SLU-STATICA	-8.6023	5.8729	10.58	18.56
350	Shell-Thick	SLU-STATICA	-6.9979	7.4803	10.82	18.56
350	Shell-Thick	SLU-STATICA	-8.6016	6.2818	10.82	18.15
350	Shell-Thick	SLU-STATICA	-10.2090	4.6961	10.58	18.15
350	Shell-Thick	SLU-SISMICA	-10.3328	13.1646	17.53	31.18
350	Shell-Thick	SLU-SISMICA	-7.8341	15.8724	17.80	31.18
350	Shell-Thick	SLU-SISMICA	-10.4823	14.0769	17.80	30.73

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350	Shell-Thick	SLU-SISMICA	-12.9853	11.3991	17.53	30.73
350	Shell-Thick	SLE-RARA	-6.4320	4.0868	7.67	13.43
350	Shell-Thick	SLE-RARA	-5.2609	5.2500	7.85	13.43
350	Shell-Thick	SLE-RARA	-6.4240	4.3716	7.85	13.12
350	Shell-Thick	SLE-RARA	-7.5974	3.2244	7.67	13.12
350	Shell-Thick	SLE-FREQ.	-6.1312	3.3868	6.91	12.06
350	Shell-Thick	SLE-FREQ.	-5.0625	4.4309	7.08	12.06
350	Shell-Thick	SLE-FREQ.	-6.1111	3.6232	7.08	11.77
350	Shell-Thick	SLE-FREQ.	-7.1819	2.5941	6.91	11.77
350	Shell-Thick	SLE-QP	-5.2288	1.2868	4.63	7.96
350	Shell-Thick	SLE-QP	-4.4672	1.9735	4.78	7.96
350	Shell-Thick	SLE-QP	-5.1722	1.3779	4.78	7.69
350	Shell-Thick	SLE-QP	-5.9355	0.7029	4.63	7.69
351	Shell-Thick	SLU-STATICA	-8.4774	4.7771	7.56	17.96
351	Shell-Thick	SLU-STATICA	-8.5937	6.5486	7.65	17.96
351	Shell-Thick	SLU-STATICA	-9.7032	4.2041	7.65	17.80
351	Shell-Thick	SLU-STATICA	-9.6500	2.8645	7.56	17.80
351	Shell-Thick	SLU-SISMICA	-10.3478	11.5276	13.70	30.45
351	Shell-Thick	SLU-SISMICA	-10.4197	14.4885	13.78	30.45
351	Shell-Thick	SLU-SISMICA	-12.4345	10.9061	13.78	30.31
351	Shell-Thick	SLU-SISMICA	-12.4557	8.5816	13.70	30.31
351	Shell-Thick	SLE-RARA	-6.3305	3.2835	5.42	12.99
351	Shell-Thick	SLE-RARA	-6.4208	4.5665	5.49	12.99
351	Shell-Thick	SLE-RARA	-7.2163	2.8517	5.49	12.87
351	Shell-Thick	SLE-RARA	-7.1724	1.8857	5.42	12.87
351	Shell-Thick	SLE-FREQ.	-6.0207	2.6478	4.78	11.64
351	Shell-Thick	SLE-FREQ.	-6.1124	3.8014	4.85	11.64
351	Shell-Thick	SLE-FREQ.	-6.8140	2.2306	4.85	11.52
351	Shell-Thick	SLE-FREQ.	-6.7650	1.3694	4.78	11.52
351	Shell-Thick	SLE-QP	-5.0913	0.7406	2.87	7.60
351	Shell-Thick	SLE-QP	-5.1873	1.5061	2.94	7.60
351	Shell-Thick	SLE-QP	-5.6068	0.3673	2.94	7.48
351	Shell-Thick	SLE-QP	-5.5427	-0.1797	2.87	7.48
352	Shell-Thick	SLU-STATICA	-9.4404	2.9488	4.74	17.82
352	Shell-Thick	SLU-STATICA	-8.1125	4.4798	4.86	17.82
352	Shell-Thick	SLU-STATICA	-8.8347	3.8294	4.86	17.62
352	Shell-Thick	SLU-STATICA	-10.1595	2.2772	4.74	17.62
352	Shell-Thick	SLU-SISMICA	-12.0239	8.7325	10.01	30.34
352	Shell-Thick	SLU-SISMICA	-9.9535	11.3378	10.15	30.34
352	Shell-Thick	SLU-SISMICA	-11.4695	10.2259	10.15	30.10
352	Shell-Thick	SLU-SISMICA	-13.5329	7.5732	10.01	30.10
352	Shell-Thick	SLE-RARA	-7.0246	1.9463	3.33	12.88
352	Shell-Thick	SLE-RARA	-6.0554	3.0529	3.42	12.88
352	Shell-Thick	SLE-RARA	-6.5631	2.5830	3.42	12.73
352	Shell-Thick	SLE-RARA	-7.5301	1.4617	3.33	12.73
352	Shell-Thick	SLE-FREQ.	-6.6391	1.4230	2.82	11.53
352	Shell-Thick	SLE-FREQ.	-5.7548	2.4140	2.90	11.53
352	Shell-Thick	SLE-FREQ.	-6.1848	1.9937	2.90	11.39
352	Shell-Thick	SLE-FREQ.	-7.0672	0.9904	2.82	11.39
352	Shell-Thick	SLE-QP	-5.4826	-0.1469	1.27	7.49
352	Shell-Thick	SLE-QP	-4.8530	0.4974	1.34	7.49
352	Shell-Thick	SLE-QP	-5.0497	0.2256	1.34	7.37
352	Shell-Thick	SLE-QP	-5.6785	-0.4234	1.27	7.37
353	Shell-Thick	SLU-STATICA	-8.9470	2.3508	2.64	17.50
353	Shell-Thick	SLU-STATICA	-8.7662	4.0120	2.70	17.50
353	Shell-Thick	SLU-STATICA	-9.1461	2.6820	2.70	17.41
353	Shell-Thick	SLU-STATICA	-9.3686	1.3057	2.64	17.41
353	Shell-Thick	SLU-SISMICA	-11.5580	7.7231	7.24	29.93
353	Shell-Thick	SLU-SISMICA	-11.1992	10.5251	7.30	29.93
353	Shell-Thick	SLU-SISMICA	-12.2608	8.3519	7.30	29.83
353	Shell-Thick	SLU-SISMICA	-12.6789	5.9555	7.24	29.83
353	Shell-Thick	SLE-RARA	-6.6493	1.5137	1.78	12.64
353	Shell-Thick	SLE-RARA	-6.5212	2.7156	1.81	12.64
353	Shell-Thick	SLE-RARA	-6.7752	1.7498	1.81	12.58
353	Shell-Thick	SLE-RARA	-6.9340	0.7578	1.78	12.58
353	Shell-Thick	SLE-FREQ.	-6.2708	1.0348	1.35	11.31
353	Shell-Thick	SLE-FREQ.	-6.1605	2.1133	1.39	11.31
353	Shell-Thick	SLE-FREQ.	-6.3522	1.2407	1.39	11.25
353	Shell-Thick	SLE-FREQ.	-6.4910	0.3570	1.35	11.25

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353	Shell-Thick	SLE-QP	-5.1353	-0.4017	8.849E-02	7.31
353	Shell-Thick	SLE-QP	-5.0783	0.3067	0.12	7.31
353	Shell-Thick	SLE-QP	-5.0831	-0.2867	0.12	7.26
353	Shell-Thick	SLE-QP	-5.1619	-0.8455	8.849E-02	7.26
354	Shell-Thick	SLU-STATICA	-9.2654	1.3673	0.76	17.44
354	Shell-Thick	SLU-STATICA	-8.0760	2.8551	0.84	17.44
354	Shell-Thick	SLU-STATICA	-8.1994	2.6414	0.84	17.29
354	Shell-Thick	SLU-STATICA	-9.3822	1.1082	0.76	17.29
354	Shell-Thick	SLU-SISMICA	-12.3086	6.1002	4.66	29.87
354	Shell-Thick	SLU-SISMICA	-10.4547	8.6424	4.78	29.87
354	Shell-Thick	SLU-SISMICA	-11.1700	8.1035	4.78	29.66
354	Shell-Thick	SLU-SISMICA	-13.0100	5.4670	4.66	29.66
354	Shell-Thick	SLE-RARA	-6.8691	0.8002	0.38	12.59
354	Shell-Thick	SLE-RARA	-6.0009	1.8751	0.44	12.59
354	Shell-Thick	SLE-RARA	-6.0650	1.7294	0.44	12.49
354	Shell-Thick	SLE-RARA	-6.9285	0.6225	0.38	12.49
354	Shell-Thick	SLE-FREQ.	-6.4496	0.3915	5.061E-02	11.26
354	Shell-Thick	SLE-FREQ.	-5.6575	1.3533	0.11	11.26
354	Shell-Thick	SLE-FREQ.	-5.6713	1.2378	0.11	11.16
354	Shell-Thick	SLE-FREQ.	-6.4595	0.2490	5.061E-02	11.16
354	Shell-Thick	SLE-QP	-5.1913	-0.8345	-0.94	7.26
354	Shell-Thick	SLE-QP	-4.6271	-0.2123	-0.90	7.26
354	Shell-Thick	SLE-QP	-4.4904	-0.2367	-0.90	7.19
354	Shell-Thick	SLE-QP	-5.0526	-0.8717	-0.94	7.19
355	Shell-Thick	SLU-STATICA	-8.6174	1.1549	-0.60	17.22
355	Shell-Thick	SLU-STATICA	-8.2202	2.7434	-0.54	17.22
355	Shell-Thick	SLU-STATICA	-8.1212	2.0874	-0.54	17.11
355	Shell-Thick	SLU-STATICA	-8.5463	0.6894	-0.60	17.11
355	Shell-Thick	SLU-SISMICA	-11.6225	5.5997	2.75	29.56
355	Shell-Thick	SLU-SISMICA	-10.9472	8.2928	2.84	29.56
355	Shell-Thick	SLU-SISMICA	-11.3476	7.0745	2.84	29.41
355	Shell-Thick	SLU-SISMICA	-12.0604	4.6374	2.75	29.41
355	Shell-Thick	SLE-RARA	-6.3800	0.6537	-0.62	12.43
355	Shell-Thick	SLE-RARA	-6.0929	1.8023	-0.57	12.43
355	Shell-Thick	SLE-RARA	-5.9930	1.3333	-0.57	12.35
355	Shell-Thick	SLE-RARA	-6.3007	0.3257	-0.62	12.35
355	Shell-Thick	SLE-FREQ.	-5.9758	0.2723	-0.88	11.11
355	Shell-Thick	SLE-FREQ.	-5.7186	1.3018	-0.84	11.11
355	Shell-Thick	SLE-FREQ.	-5.5801	0.8905	-0.84	11.04
355	Shell-Thick	SLE-FREQ.	-5.8566	-0.0068	-0.88	11.04
355	Shell-Thick	SLE-QP	-4.7630	-0.8720	-1.66	7.15
355	Shell-Thick	SLE-QP	-4.5956	-0.1996	-1.63	7.15
355	Shell-Thick	SLE-QP	-4.3413	-0.4376	-1.63	7.09
355	Shell-Thick	SLE-QP	-4.5242	-1.0042	-1.66	7.09
356	Shell-Thick	SLU-STATICA	-8.5832	0.7218	-1.74	17.14
356	Shell-Thick	SLU-STATICA	-7.4652	2.1788	-1.64	17.14
356	Shell-Thick	SLU-STATICA	-7.2157	2.2463	-1.64	16.97
356	Shell-Thick	SLU-STATICA	-8.3258	0.7361	-1.74	16.97
356	Shell-Thick	SLU-SISMICA	-11.8346	4.7566	1.04	29.46
356	Shell-Thick	SLU-SISMICA	-10.0920	7.2516	1.18	29.46
356	Shell-Thick	SLU-SISMICA	-10.2675	7.1064	1.18	29.21
356	Shell-Thick	SLU-SISMICA	-11.9934	4.4976	1.04	29.21
356	Shell-Thick	SLE-RARA	-6.3418	0.3459	-1.45	12.37
356	Shell-Thick	SLE-RARA	-5.5258	1.3983	-1.38	12.37
356	Shell-Thick	SLE-RARA	-5.3156	1.4600	-1.38	12.25
356	Shell-Thick	SLE-RARA	-6.1261	0.3704	-1.45	12.25
356	Shell-Thick	SLE-FREQ.	-5.9182	0.0058	-1.65	11.05
356	Shell-Thick	SLE-FREQ.	-5.1737	0.9469	-1.58	11.05
356	Shell-Thick	SLE-FREQ.	-4.9337	1.0246	-1.58	10.94
356	Shell-Thick	SLE-FREQ.	-5.6736	0.0521	-1.65	10.94
356	Shell-Thick	SLE-QP	-4.6475	-1.0146	-2.23	7.10
356	Shell-Thick	SLE-QP	-4.1174	-0.4072	-2.18	7.10
356	Shell-Thick	SLE-QP	-3.7882	-0.2816	-2.18	7.02
356	Shell-Thick	SLE-QP	-4.3163	-0.9026	-2.23	7.02
357	Shell-Thick	SLU-STATICA	-7.8835	0.7575	-2.45	16.93
357	Shell-Thick	SLU-STATICA	-7.3350	2.2896	-2.36	16.93
357	Shell-Thick	SLU-STATICA	-6.9647	2.0163	-2.36	16.76
357	Shell-Thick	SLU-STATICA	-7.5327	0.6176	-2.45	16.76
357	Shell-Thick	SLU-SISMICA	-11.0400	4.6057	-0.14	29.16

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357	Shell-Thick	SLU-SISMICA	-10.1391	7.2146	-1.039E-02	29.16
357	Shell-Thick	SLU-SISMICA	-10.1156	6.5653	-1.039E-02	28.93
357	Shell-Thick	SLU-SISMICA	-11.0405	4.1213	-0.14	28.93
357	Shell-Thick	SLE-RARA	-5.8164	0.3823	-1.97	12.22
357	Shell-Thick	SLE-RARA	-5.4183	1.4896	-1.90	12.22
357	Shell-Thick	SLE-RARA	-5.1204	1.3012	-1.90	12.10
357	Shell-Thick	SLE-RARA	-5.5331	0.2935	-1.97	12.10
357	Shell-Thick	SLE-FREQ.	-5.4136	0.0566	-2.11	10.91
357	Shell-Thick	SLE-FREQ.	-5.0543	1.0481	-2.05	10.91
357	Shell-Thick	SLE-FREQ.	-4.7352	0.8953	-2.05	10.80
357	Shell-Thick	SLE-FREQ.	-5.1084	-0.0017	-2.11	10.80
357	Shell-Thick	SLE-QP	-4.2052	-0.9205	-2.54	6.99
357	Shell-Thick	SLE-QP	-3.9621	-0.2764	-2.49	6.99
357	Shell-Thick	SLE-QP	-3.5797	-0.3225	-2.49	6.90
357	Shell-Thick	SLE-QP	-3.8343	-0.8872	-2.54	6.90
358	Shell-Thick	SLU-STATICA	-7.6610	0.6302	-2.92	16.79
358	Shell-Thick	SLU-STATICA	-6.5757	2.0558	-2.80	16.79
358	Shell-Thick	SLU-STATICA	-6.2062	2.2447	-2.80	16.60
358	Shell-Thick	SLU-STATICA	-7.2780	0.7673	-2.92	16.60
358	Shell-Thick	SLU-SISMICA	-10.9380	4.2147	-1.07	28.98
358	Shell-Thick	SLU-SISMICA	-9.2423	6.6671	-0.90	28.98
358	Shell-Thick	SLU-SISMICA	-9.1272	6.7477	-0.90	28.72
358	Shell-Thick	SLU-SISMICA	-10.7939	4.1838	-1.07	28.72
358	Shell-Thick	SLE-RARA	-5.6418	0.2990	-2.31	12.11
358	Shell-Thick	SLE-RARA	-4.8498	1.3281	-2.22	12.11
358	Shell-Thick	SLE-RARA	-4.5572	1.4766	-2.22	11.98
358	Shell-Thick	SLE-RARA	-5.3397	0.4112	-2.31	11.98
358	Shell-Thick	SLE-FREQ.	-5.2334	-0.0030	-2.40	10.81
358	Shell-Thick	SLE-FREQ.	-4.5111	0.9164	-2.32	10.81
358	Shell-Thick	SLE-FREQ.	-4.2048	1.0701	-2.32	10.68
358	Shell-Thick	SLE-FREQ.	-4.9191	0.1203	-2.40	10.68
358	Shell-Thick	SLE-QP	-4.0081	-0.9088	-2.69	6.91
358	Shell-Thick	SLE-QP	-3.4950	-0.3188	-2.62	6.91
358	Shell-Thick	SLE-QP	-3.1475	-0.1493	-2.62	6.81
358	Shell-Thick	SLE-QP	-3.6573	-0.7524	-2.69	6.81
359	Shell-Thick	SLU-STATICA	56.6325	13.9441	82.69	33.88
359	Shell-Thick	SLU-STATICA	52.8867	18.9789	84.27	33.88
359	Shell-Thick	SLU-STATICA	40.4971	45.5154	84.27	30.70
359	Shell-Thick	SLU-STATICA	43.9734	45.7189	82.69	30.70
359	Shell-Thick	SLU-SISMICA	82.2159	20.7563	107.32	47.54
359	Shell-Thick	SLU-SISMICA	76.2469	28.1531	109.13	47.54
359	Shell-Thick	SLU-SISMICA	60.2152	69.1680	109.13	43.89
359	Shell-Thick	SLU-SISMICA	65.7745	69.7248	107.32	43.89
359	Shell-Thick	SLE-RARA	41.6379	10.2266	61.43	24.99
359	Shell-Thick	SLE-RARA	38.9103	13.9239	62.61	24.99
359	Shell-Thick	SLE-RARA	29.7038	33.3103	62.61	22.61
359	Shell-Thick	SLE-RARA	32.2340	33.4468	61.43	22.61
359	Shell-Thick	SLE-FREQ.	38.5088	9.4146	57.89	23.25
359	Shell-Thick	SLE-FREQ.	36.0312	12.8266	59.03	23.25
359	Shell-Thick	SLE-FREQ.	27.3509	30.5452	59.03	20.97
359	Shell-Thick	SLE-FREQ.	29.6476	30.6493	57.89	20.97
359	Shell-Thick	SLE-QP	29.1216	6.9787	47.28	18.04
359	Shell-Thick	SLE-QP	27.3938	9.5349	48.27	18.04
359	Shell-Thick	SLE-QP	20.2925	22.2499	48.27	16.04
359	Shell-Thick	SLE-QP	21.8884	22.2568	47.28	16.04
360	Shell-Thick	SLU-STATICA	22.4760	41.5439	64.46	30.69
360	Shell-Thick	SLU-STATICA	32.8217	43.8559	66.09	30.69
360	Shell-Thick	SLU-STATICA	23.0349	29.7968	66.09	27.40
360	Shell-Thick	SLU-STATICA	12.6755	27.7626	64.46	27.40
360	Shell-Thick	SLU-SISMICA	33.1114	63.3107	85.05	43.84
360	Shell-Thick	SLU-SISMICA	48.5568	66.7178	86.68	43.84
360	Shell-Thick	SLU-SISMICA	35.6873	46.7735	86.68	40.56
360	Shell-Thick	SLU-SISMICA	20.2168	43.8663	85.05	40.56
360	Shell-Thick	SLE-RARA	16.5010	30.3949	47.82	22.60
360	Shell-Thick	SLE-RARA	24.0863	32.0922	49.06	22.60
360	Shell-Thick	SLE-RARA	16.8240	21.7323	49.06	20.11
360	Shell-Thick	SLE-RARA	9.2290	20.2344	47.82	20.11
360	Shell-Thick	SLE-FREQ.	15.2201	27.8566	44.95	20.96
360	Shell-Thick	SLE-FREQ.	22.1993	29.4221	46.16	20.96

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360	Shell-Thick	SLE-FREQ.	15.3694	19.8013	46.16	18.53
360	Shell-Thick	SLE-FREQ.	8.3817	18.4121	44.95	18.53
360	Shell-Thick	SLE-QP	11.3775	20.2419	36.33	16.05
360	Shell-Thick	SLE-QP	16.5383	21.4119	37.45	16.05
360	Shell-Thick	SLE-QP	11.0056	14.0084	37.45	13.80
360	Shell-Thick	SLE-QP	5.8398	12.9451	36.33	13.80
361	Shell-Thick	SLU-STATICA	18.5436	26.9110	50.70	26.19
361	Shell-Thick	SLU-STATICA	15.0606	30.2272	51.22	26.19
361	Shell-Thick	SLU-STATICA	7.4872	24.7872	51.22	25.15
361	Shell-Thick	SLU-STATICA	10.8263	24.2623	50.70	25.15
361	Shell-Thick	SLU-SISMICA	28.5873	42.4328	67.61	38.71
361	Shell-Thick	SLU-SISMICA	23.4175	47.4271	67.86	38.71
361	Shell-Thick	SLU-SISMICA	13.3645	40.0350	67.86	38.22
361	Shell-Thick	SLU-SISMICA	18.3160	39.2745	67.61	38.22
361	Shell-Thick	SLE-RARA	13.5508	19.6181	37.57	19.23
361	Shell-Thick	SLE-RARA	10.9956	22.0473	37.98	19.23
361	Shell-Thick	SLE-RARA	5.3805	18.0225	37.98	18.41
361	Shell-Thick	SLE-RARA	7.8304	17.6365	37.57	18.41
361	Shell-Thick	SLE-FREQ.	12.3913	17.8588	35.26	17.72
361	Shell-Thick	SLE-FREQ.	10.0377	20.0902	35.68	17.72
361	Shell-Thick	SLE-FREQ.	4.7648	16.3250	35.68	16.88
361	Shell-Thick	SLE-FREQ.	7.0218	15.9680	35.26	16.88
361	Shell-Thick	SLE-QP	8.9127	12.5809	28.31	13.22
361	Shell-Thick	SLE-QP	7.1641	14.2189	28.77	13.22
361	Shell-Thick	SLE-QP	2.9178	11.2327	28.77	12.29
361	Shell-Thick	SLE-QP	4.5961	10.9623	28.31	12.29
362	Shell-Thick	SLU-STATICA	5.1921	23.3006	39.83	25.20
362	Shell-Thick	SLU-STATICA	10.1983	25.1643	40.87	25.20
362	Shell-Thick	SLU-STATICA	4.1468	20.2094	40.87	23.11
362	Shell-Thick	SLU-STATICA	-0.8648	18.4590	39.83	23.11
362	Shell-Thick	SLU-SISMICA	9.5376	37.7078	53.88	38.26
362	Shell-Thick	SLU-SISMICA	17.0958	40.5923	55.04	38.26
362	Shell-Thick	SLU-SISMICA	8.9305	33.8475	55.04	35.94
362	Shell-Thick	SLU-SISMICA	1.3615	31.1810	53.88	35.94
362	Shell-Thick	SLE-RARA	3.7177	16.9379	29.48	18.45
362	Shell-Thick	SLE-RARA	7.3840	18.2992	30.27	18.45
362	Shell-Thick	SLE-RARA	2.9039	14.6340	30.27	16.87
362	Shell-Thick	SLE-RARA	-0.7662	13.3532	29.48	16.87
362	Shell-Thick	SLE-FREQ.	3.2690	15.3363	27.60	16.92
362	Shell-Thick	SLE-FREQ.	6.6351	16.5802	28.36	16.92
362	Shell-Thick	SLE-FREQ.	2.4392	13.1524	28.36	15.40
362	Shell-Thick	SLE-FREQ.	-0.9303	11.9785	27.60	15.40
362	Shell-Thick	SLE-QP	1.9226	10.5315	21.96	12.33
362	Shell-Thick	SLE-QP	4.3884	11.4229	22.62	12.33
362	Shell-Thick	SLE-QP	1.0450	8.7075	22.62	10.99
362	Shell-Thick	SLE-QP	-1.4225	7.8542	21.96	10.99
363	Shell-Thick	SLU-STATICA	3.2585	18.2235	31.92	22.47
363	Shell-Thick	SLU-STATICA	1.4784	20.7359	32.18	22.47
363	Shell-Thick	SLU-STATICA	-3.2861	15.2379	32.18	21.95
363	Shell-Thick	SLU-STATICA	-1.5937	14.4273	31.92	21.95
363	Shell-Thick	SLU-SISMICA	7.2092	30.7219	44.15	34.96
363	Shell-Thick	SLU-SISMICA	4.6415	34.6184	44.25	34.96
363	Shell-Thick	SLU-SISMICA	-1.9239	26.8720	44.25	34.76
363	Shell-Thick	SLU-SISMICA	0.5109	25.5525	44.15	34.76
363	Shell-Thick	SLE-RARA	2.2723	13.1860	23.58	16.41
363	Shell-Thick	SLE-RARA	0.9626	15.0207	23.78	16.41
363	Shell-Thick	SLE-RARA	-2.5579	10.9667	23.78	15.99
363	Shell-Thick	SLE-RARA	-1.3124	10.3778	23.58	15.99
363	Shell-Thick	SLE-FREQ.	1.8916	11.8337	21.99	14.97
363	Shell-Thick	SLE-FREQ.	0.6789	13.5095	22.20	14.97
363	Shell-Thick	SLE-FREQ.	-2.6067	9.7402	22.20	14.54
363	Shell-Thick	SLE-FREQ.	-1.4530	9.2076	21.99	14.54
363	Shell-Thick	SLE-QP	0.7495	7.7770	17.23	10.68
363	Shell-Thick	SLE-QP	-0.1721	8.9758	17.47	10.68
363	Shell-Thick	SLE-QP	-2.7534	6.0607	17.47	10.20
363	Shell-Thick	SLE-QP	-1.8748	5.6972	17.23	10.20
364	Shell-Thick	SLU-STATICA	-3.3026	14.1331	24.81	21.95
364	Shell-Thick	SLU-STATICA	-0.4326	15.7610	25.26	21.95
364	Shell-Thick	SLU-STATICA	-4.1876	12.8304	25.26	21.04

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364	Shell-Thick	SLU-STATICA	-7.0595	11.2422	24.81	21.04
364	Shell-Thick	SLU-SISMICA	-2.2836	25.0309	35.25	34.74
364	Shell-Thick	SLU-SISMICA	2.0877	27.6370	35.72	34.74
364	Shell-Thick	SLU-SISMICA	-3.2340	23.6197	35.72	33.81
364	Shell-Thick	SLU-SISMICA	-7.6094	21.0976	35.25	33.81
364	Shell-Thick	SLE-RARA	-2.5533	10.1663	18.28	15.99
364	Shell-Thick	SLE-RARA	-0.4533	11.3510	18.62	15.99
364	Shell-Thick	SLE-RARA	-3.2206	9.1845	18.62	15.31
364	Shell-Thick	SLE-RARA	-5.3219	8.0276	18.28	15.31
364	Shell-Thick	SLE-FREQ.	-2.5741	9.0200	16.97	14.55
364	Shell-Thick	SLE-FREQ.	-0.6493	10.0951	17.30	14.55
364	Shell-Thick	SLE-FREQ.	-3.2196	8.0714	17.30	13.88
364	Shell-Thick	SLE-FREQ.	-5.1455	7.0198	16.97	13.88
364	Shell-Thick	SLE-QP	-2.6365	5.5812	13.04	10.21
364	Shell-Thick	SLE-QP	-1.2371	6.3276	13.35	10.21
364	Shell-Thick	SLE-QP	-3.2165	4.7320	13.35	9.60
364	Shell-Thick	SLE-QP	-4.6163	3.9962	13.04	9.60
365	Shell-Thick	SLU-STATICA	-3.9886	11.2354	19.46	20.67
365	Shell-Thick	SLU-STATICA	-4.8416	13.3206	19.55	20.67
365	Shell-Thick	SLU-STATICA	-7.7391	9.4192	19.55	20.49
365	Shell-Thick	SLU-STATICA	-6.9424	8.4258	19.46	20.49
365	Shell-Thick	SLU-SISMICA	-3.2042	21.0282	28.66	33.23
365	Shell-Thick	SLU-SISMICA	-4.3943	24.3381	28.64	33.23
365	Shell-Thick	SLU-SISMICA	-8.6504	18.7334	28.64	33.27
365	Shell-Thick	SLU-SISMICA	-7.5451	17.0684	28.66	33.27
365	Shell-Thick	SLE-RARA	-3.0614	8.0256	14.28	15.03
365	Shell-Thick	SLE-RARA	-3.6909	9.5446	14.36	15.03
365	Shell-Thick	SLE-RARA	-5.8188	6.6733	14.36	14.89
365	Shell-Thick	SLE-RARA	-5.2305	5.9540	14.28	14.89
365	Shell-Thick	SLE-FREQ.	-3.0504	7.0229	13.17	13.63
365	Shell-Thick	SLE-FREQ.	-3.6367	8.4038	13.26	13.63
365	Shell-Thick	SLE-FREQ.	-5.6004	5.7433	13.26	13.47
365	Shell-Thick	SLE-FREQ.	-5.0520	5.0969	13.17	13.47
365	Shell-Thick	SLE-QP	-3.0174	4.0149	9.85	9.42
365	Shell-Thick	SLE-QP	-3.4739	4.9815	9.95	9.42
365	Shell-Thick	SLE-QP	-4.9454	2.9533	9.95	9.22
365	Shell-Thick	SLE-QP	-4.5166	2.5257	9.85	9.22
366	Shell-Thick	SLU-STATICA	-7.3134	8.3680	14.60	20.48
366	Shell-Thick	SLU-STATICA	-5.3715	9.8764	14.78	20.48
366	Shell-Thick	SLU-STATICA	-7.5760	8.0486	14.78	20.12
366	Shell-Thick	SLU-STATICA	-9.5167	6.5198	14.60	20.12
366	Shell-Thick	SLU-SISMICA	-8.1992	16.9464	22.54	33.25
366	Shell-Thick	SLU-SISMICA	-5.2294	19.4088	22.70	33.25
366	Shell-Thick	SLU-SISMICA	-8.6239	16.8031	22.70	32.93
366	Shell-Thick	SLU-SISMICA	-11.5923	14.3148	22.54	32.93
366	Shell-Thick	SLE-RARA	-5.4975	5.9134	10.67	14.88
366	Shell-Thick	SLE-RARA	-4.0773	7.0088	10.80	14.88
366	Shell-Thick	SLE-RARA	-5.6884	5.6626	10.80	14.61
366	Shell-Thick	SLE-RARA	-7.1078	4.5520	10.67	14.61
366	Shell-Thick	SLE-FREQ.	-5.2891	5.0626	9.75	13.47
366	Shell-Thick	SLE-FREQ.	-3.9884	6.0526	9.89	13.47
366	Shell-Thick	SLE-FREQ.	-5.4620	4.8035	9.89	13.19
366	Shell-Thick	SLE-FREQ.	-6.7619	3.7991	9.75	13.19
366	Shell-Thick	SLE-QP	-4.6641	2.5102	7.00	9.22
366	Shell-Thick	SLE-QP	-3.7219	3.1840	7.13	9.22
366	Shell-Thick	SLE-QP	-4.7829	2.2263	7.13	8.96
366	Shell-Thick	SLE-QP	-5.7245	1.5406	7.00	8.96
367	Shell-Thick	SLU-STATICA	-7.2165	6.5976	10.86	19.89
367	Shell-Thick	SLU-STATICA	-7.5251	8.4411	10.87	19.89
367	Shell-Thick	SLU-STATICA	-9.1369	5.8842	10.87	19.87
367	Shell-Thick	SLU-STATICA	-8.8651	4.7537	10.86	19.87
367	Shell-Thick	SLU-SISMICA	-8.1918	14.4167	17.86	32.58
367	Shell-Thick	SLU-SISMICA	-8.5835	17.3893	17.80	32.58
367	Shell-Thick	SLU-SISMICA	-11.2317	13.5943	17.80	32.71
367	Shell-Thick	SLU-SISMICA	-10.8947	11.6827	17.86	32.71
367	Shell-Thick	SLE-RARA	-5.4196	4.6097	7.88	14.44
367	Shell-Thick	SLE-RARA	-5.6493	5.9503	7.89	14.44
367	Shell-Thick	SLE-RARA	-6.8190	4.0746	7.89	14.41
367	Shell-Thick	SLE-RARA	-6.6163	3.2568	7.88	14.41



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367	Shell-Thick	SLE-FREQ.	-5.2059	3.8534	7.11	13.04
367	Shell-Thick	SLE-FREQ.	-5.4231	5.0682	7.13	13.04
367	Shell-Thick	SLE-FREQ.	-6.4787	3.3405	7.13	13.00
367	Shell-Thick	SLE-FREQ.	-6.2864	2.6071	7.11	13.00
367	Shell-Thick	SLE-QP	-4.5646	1.5847	4.80	8.84
367	Shell-Thick	SLE-QP	-4.7443	2.4219	4.84	8.84
367	Shell-Thick	SLE-QP	-5.4579	1.1382	4.84	8.77
367	Shell-Thick	SLE-QP	-5.2966	0.6578	4.80	8.77
368	Shell-Thick	SLU-STATICA	-8.8134	4.7813	7.49	19.87
368	Shell-Thick	SLU-STATICA	-7.3205	6.2302	7.56	19.87
368	Shell-Thick	SLU-STATICA	-8.4516	5.1958	7.56	19.73
368	Shell-Thick	SLU-STATICA	-9.9412	3.6827	7.49	19.73
368	Shell-Thick	SLU-SISMICA	-10.7745	11.7306	13.55	32.71
368	Shell-Thick	SLU-SISMICA	-8.4872	14.1193	13.59	32.71
368	Shell-Thick	SLU-SISMICA	-10.5259	12.5227	13.59	32.61
368	Shell-Thick	SLU-SISMICA	-12.8075	10.0250	13.55	32.61
368	Shell-Thick	SLE-RARA	-6.5805	3.2768	5.38	14.41
368	Shell-Thick	SLE-RARA	-5.4889	4.3278	5.43	14.41
368	Shell-Thick	SLE-RARA	-6.3007	3.5720	5.43	14.31
368	Shell-Thick	SLE-RARA	-7.3900	2.4746	5.38	14.31
368	Shell-Thick	SLE-FREQ.	-6.2571	2.6249	4.75	13.00
368	Shell-Thick	SLE-FREQ.	-5.2577	3.5728	4.80	13.00
368	Shell-Thick	SLE-FREQ.	-5.9749	2.8818	4.80	12.89
368	Shell-Thick	SLE-FREQ.	-6.9722	1.8923	4.75	12.89
368	Shell-Thick	SLE-QP	-5.2869	0.6692	2.86	8.77
368	Shell-Thick	SLE-QP	-4.5641	1.3076	2.91	8.77
368	Shell-Thick	SLE-QP	-4.9975	0.8112	2.91	8.66
368	Shell-Thick	SLE-QP	-5.7189	0.1456	2.86	8.66
369	Shell-Thick	SLU-STATICA	-8.2839	3.7757	4.89	19.58
369	Shell-Thick	SLU-STATICA	-8.2467	5.4753	4.89	19.58
369	Shell-Thick	SLU-STATICA	-8.9683	3.9325	4.89	19.59
369	Shell-Thick	SLU-STATICA	-9.0297	2.7013	4.89	19.59
369	Shell-Thick	SLU-SISMICA	-10.2321	10.1886	10.20	32.40
369	Shell-Thick	SLU-SISMICA	-10.1159	12.9561	10.15	32.40
369	Shell-Thick	SLU-SISMICA	-11.6253	10.5340	10.15	32.50
369	Shell-Thick	SLU-SISMICA	-11.7766	8.4463	10.20	32.50
369	Shell-Thick	SLE-RARA	-6.1800	2.5415	3.44	14.20
369	Shell-Thick	SLE-RARA	-6.1556	3.7761	3.44	14.20
369	Shell-Thick	SLE-RARA	-6.6632	2.6509	3.44	14.20
369	Shell-Thick	SLE-RARA	-6.7053	1.7606	3.44	14.20
369	Shell-Thick	SLE-FREQ.	-5.8675	1.9518	2.92	12.80
369	Shell-Thick	SLE-FREQ.	-5.8503	3.0682	2.92	12.80
369	Shell-Thick	SLE-FREQ.	-6.2806	2.0431	2.92	12.79
369	Shell-Thick	SLE-FREQ.	-6.3142	1.2451	2.92	12.79
369	Shell-Thick	SLE-QP	-4.9301	0.1828	1.36	8.59
369	Shell-Thick	SLE-QP	-4.9341	0.9445	1.37	8.59
369	Shell-Thick	SLE-QP	-5.1327	0.2194	1.37	8.56
369	Shell-Thick	SLE-QP	-5.1411	-0.3016	1.36	8.56
370	Shell-Thick	SLU-STATICA	-8.9350	2.7459	2.60	19.60
370	Shell-Thick	SLU-STATICA	-7.6796	4.1646	2.64	19.60
370	Shell-Thick	SLU-STATICA	-8.0747	3.7145	2.64	19.52
370	Shell-Thick	SLU-STATICA	-9.3256	2.2066	2.60	19.52
370	Shell-Thick	SLU-SISMICA	-11.4706	8.5542	7.16	32.52
370	Shell-Thick	SLU-SISMICA	-9.5431	10.9038	7.19	32.52
370	Shell-Thick	SLU-SISMICA	-10.6238	10.0659	7.19	32.45
370	Shell-Thick	SLU-SISMICA	-12.5430	7.5547	7.16	32.45
370	Shell-Thick	SLE-RARA	-6.6441	1.7913	1.74	14.21
370	Shell-Thick	SLE-RARA	-5.7262	2.8200	1.77	14.21
370	Shell-Thick	SLE-RARA	-5.9915	2.4982	1.77	14.15
370	Shell-Thick	SLE-RARA	-6.9060	1.4056	1.74	14.15
370	Shell-Thick	SLE-FREQ.	-6.2719	1.2698	1.32	12.80
370	Shell-Thick	SLE-FREQ.	-5.4319	2.1966	1.36	12.80
370	Shell-Thick	SLE-FREQ.	-5.6343	1.9146	1.36	12.73
370	Shell-Thick	SLE-FREQ.	-6.4714	0.9314	1.32	12.73
370	Shell-Thick	SLE-QP	-5.1553	-0.2948	6.972E-02	8.56
370	Shell-Thick	SLE-QP	-4.5489	0.3265	0.10	8.56
370	Shell-Thick	SLE-QP	-4.5627	0.1639	0.10	8.50
370	Shell-Thick	SLE-QP	-5.1673	-0.4911	6.972E-02	8.50
371	Shell-Thick	SLU-STATICA	-8.2124	2.2811	0.87	19.43



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371	Shell-Thick	SLU-STATICA	-7.9430	3.8890	0.88	19.43
371	Shell-Thick	SLU-STATICA	-8.0658	3.0710	0.88	19.40
371	Shell-Thick	SLU-STATICA	-8.3513	1.7738	0.87	19.40
371	Shell-Thick	SLU-SISMICA	-10.6750	7.7206	4.82	32.33
371	Shell-Thick	SLU-SISMICA	-10.2140	10.3555	4.81	32.33
371	Shell-Thick	SLU-SISMICA	-10.9255	8.9334	4.81	32.34
371	Shell-Thick	SLU-SISMICA	-11.4088	6.7302	4.82	32.34
371	Shell-Thick	SLE-RARA	-6.1002	1.4575	0.46	14.08
371	Shell-Thick	SLE-RARA	-5.9056	2.6247	0.47	14.08
371	Shell-Thick	SLE-RARA	-5.9693	2.0350	0.47	14.06
371	Shell-Thick	SLE-RARA	-6.1757	1.0972	0.46	14.06
371	Shell-Thick	SLE-FREQ.	-5.7474	0.9745	0.12	12.67
371	Shell-Thick	SLE-FREQ.	-5.5733	2.0285	0.13	12.67
371	Shell-Thick	SLE-FREQ.	-5.5871	1.5030	0.13	12.65
371	Shell-Thick	SLE-FREQ.	-5.7722	0.6628	0.12	12.65
371	Shell-Thick	SLE-QP	-4.6891	-0.4744	-0.89	8.45
371	Shell-Thick	SLE-QP	-4.5766	0.2401	-0.87	8.45
371	Shell-Thick	SLE-QP	-4.4405	-0.0929	-0.87	8.42
371	Shell-Thick	SLE-QP	-4.5616	-0.6403	-0.89	8.42
372	Shell-Thick	SLU-STATICA	-8.3524	1.8054	-0.60	19.42
372	Shell-Thick	SLU-STATICA	-7.2321	3.2060	-0.55	19.42
372	Shell-Thick	SLU-STATICA	-7.1484	3.1487	-0.55	19.31
372	Shell-Thick	SLU-STATICA	-8.2637	1.6522	-0.60	19.31
372	Shell-Thick	SLU-SISMICA	-11.1585	6.8434	2.75	32.37
372	Shell-Thick	SLU-SISMICA	-9.4329	9.1688	2.81	32.37
372	Shell-Thick	SLU-SISMICA	-9.8542	8.8625	2.81	32.25
372	Shell-Thick	SLU-SISMICA	-11.5704	6.3532	2.75	32.25
372	Shell-Thick	SLE-RARA	-6.1891	1.1170	-0.62	14.07
372	Shell-Thick	SLE-RARA	-5.3704	2.1322	-0.58	14.07
372	Shell-Thick	SLE-RARA	-5.2818	2.1012	-0.58	13.99
372	Shell-Thick	SLE-RARA	-6.0970	1.0177	-0.62	13.99
372	Shell-Thick	SLE-FREQ.	-5.8059	0.6755	-0.88	12.66
372	Shell-Thick	SLE-FREQ.	-5.0571	1.5896	-0.84	12.66
372	Shell-Thick	SLE-FREQ.	-4.9292	1.5799	-0.84	12.58
372	Shell-Thick	SLE-FREQ.	-5.6749	0.6063	-0.88	12.58
372	Shell-Thick	SLE-QP	-4.6563	-0.6492	-1.66	8.42
372	Shell-Thick	SLE-QP	-4.1173	-0.0382	-1.63	8.42
372	Shell-Thick	SLE-QP	-3.8714	0.0157	-1.63	8.35
372	Shell-Thick	SLE-QP	-4.4087	-0.6281	-1.66	8.35
373	Shell-Thick	SLU-STATICA	-7.5751	1.6979	-1.63	19.25
373	Shell-Thick	SLU-STATICA	-7.1472	3.2409	-1.58	19.25
373	Shell-Thick	SLU-STATICA	-6.9014	2.8860	-1.58	19.15
373	Shell-Thick	SLU-STATICA	-7.3402	1.5558	-1.63	19.15
373	Shell-Thick	SLU-SISMICA	-10.2682	6.4959	1.21	32.18
373	Shell-Thick	SLU-SISMICA	-9.5677	9.0376	1.26	32.18
373	Shell-Thick	SLU-SISMICA	-9.7462	8.2794	1.26	32.08
373	Shell-Thick	SLU-SISMICA	-10.4609	6.0135	1.21	32.08
373	Shell-Thick	SLE-RARA	-5.6057	1.0476	-1.37	13.94
373	Shell-Thick	SLE-RARA	-5.2951	2.1670	-1.34	13.94
373	Shell-Thick	SLE-RARA	-5.0877	1.9182	-1.34	13.87
373	Shell-Thick	SLE-RARA	-5.4064	0.9568	-1.37	13.87
373	Shell-Thick	SLE-FREQ.	-5.2462	0.6274	-1.57	12.54
373	Shell-Thick	SLE-FREQ.	-4.9656	1.6372	-1.54	12.54
373	Shell-Thick	SLE-FREQ.	-4.7284	1.4276	-1.54	12.47
373	Shell-Thick	SLE-FREQ.	-5.0167	0.5669	-1.57	12.47
373	Shell-Thick	SLE-QP	-4.1676	-0.6330	-2.17	8.32
373	Shell-Thick	SLE-QP	-3.9772	0.0477	-2.14	8.32
373	Shell-Thick	SLE-QP	-3.6507	-0.0440	-2.14	8.25
373	Shell-Thick	SLE-QP	-3.8474	-0.6030	-2.17	8.25
374	Shell-Thick	SLU-STATICA	-7.4388	1.5683	-2.40	19.17
374	Shell-Thick	SLU-STATICA	-6.4102	2.9521	-2.32	19.17
374	Shell-Thick	SLU-STATICA	-6.0582	3.1022	-2.32	19.00
374	Shell-Thick	SLU-STATICA	-7.0823	1.6305	-2.40	19.00
374	Shell-Thick	SLU-SISMICA	-10.3049	6.1130	-7.383E-02	32.12
374	Shell-Thick	SLU-SISMICA	-8.7124	8.4179	2.819E-02	32.12
374	Shell-Thick	SLU-SISMICA	-8.7136	8.4168	2.819E-02	31.91
374	Shell-Thick	SLU-SISMICA	-10.2968	5.9315	-7.383E-02	31.91
374	Shell-Thick	SLE-RARA	-5.4939	0.9619	-1.94	13.88
374	Shell-Thick	SLE-RARA	-4.7425	1.9646	-1.87	13.88

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374	Shell-Thick	SLE-RARA	-4.4583	2.0859	-1.87	13.75
374	Shell-Thick	SLE-RARA	-5.2064	1.0212	-1.94	13.75
374	Shell-Thick	SLE-FREQ.	-5.1229	0.5647	-2.08	12.48
374	Shell-Thick	SLE-FREQ.	-4.4364	1.4670	-2.02	12.48
374	Shell-Thick	SLE-FREQ.	-4.1301	1.5977	-2.02	12.35
374	Shell-Thick	SLE-FREQ.	-4.8138	0.6426	-2.08	12.35
374	Shell-Thick	SLE-QP	-4.0099	-0.6269	-2.51	8.26
374	Shell-Thick	SLE-QP	-3.5180	-0.0259	-2.46	8.26
374	Shell-Thick	SLE-QP	-3.1457	0.1331	-2.46	8.15
374	Shell-Thick	SLE-QP	-3.6362	-0.4934	-2.51	8.15
375	Shell-Thick	SLU-STATICA	-6.6652	1.6526	-2.79	18.96
375	Shell-Thick	SLU-STATICA	-6.1784	3.1395	-2.71	18.96
375	Shell-Thick	SLU-STATICA	-5.8069	3.0013	-2.71	18.82
375	Shell-Thick	SLU-STATICA	-6.3135	1.6642	-2.79	18.82
375	Shell-Thick	SLU-SISMICA	-9.3874	6.0435	-0.88	31.87
375	Shell-Thick	SLU-SISMICA	-8.5900	8.5114	-0.79	31.87
375	Shell-Thick	SLU-SISMICA	-8.4683	8.1186	-0.79	31.71
375	Shell-Thick	SLU-SISMICA	-9.2897	5.8335	-0.88	31.71
375	Shell-Thick	SLE-RARA	-4.9149	1.0335	-2.21	13.73
375	Shell-Thick	SLE-RARA	-4.5614	2.1113	-2.15	13.73
375	Shell-Thick	SLE-RARA	-4.2675	2.0193	-2.15	13.62
375	Shell-Thick	SLE-RARA	-4.6357	1.0533	-2.21	13.62
375	Shell-Thick	SLE-FREQ.	-4.5700	0.6471	-2.31	12.33
375	Shell-Thick	SLE-FREQ.	-4.2508	1.6178	-2.25	12.33
375	Shell-Thick	SLE-FREQ.	-3.9436	1.5489	-2.25	12.22
375	Shell-Thick	SLE-FREQ.	-4.2768	0.6847	-2.31	12.22
375	Shell-Thick	SLE-QP	-3.5353	-0.5119	-2.62	8.13
375	Shell-Thick	SLE-QP	-3.3188	0.1372	-2.57	8.13
375	Shell-Thick	SLE-QP	-2.9718	0.1379	-2.57	8.03
375	Shell-Thick	SLE-QP	-3.2002	-0.4212	-2.62	8.03
376	Shell-Thick	SLU-STATICA	15.0640	3.5078	15.35	0.33
376	Shell-Thick	SLU-STATICA	18.7166	3.2484	18.68	0.33
376	Shell-Thick	SLU-STATICA	16.1572	0.3896	18.68	-5.42
376	Shell-Thick	SLU-STATICA	12.5171	0.5730	15.35	-5.42
376	Shell-Thick	SLU-SISMICA	27.1133	6.2768	27.75	0.57
376	Shell-Thick	SLU-SISMICA	33.4749	5.8409	33.45	0.57
376	Shell-Thick	SLU-SISMICA	28.8741	0.5860	33.45	-9.28
376	Shell-Thick	SLU-SISMICA	22.5317	0.9071	27.75	-9.28
376	Shell-Thick	SLE-RARA	10.8142	2.5200	11.01	0.24
376	Shell-Thick	SLE-RARA	13.4470	2.3322	13.42	0.24
376	Shell-Thick	SLE-RARA	11.6093	0.2854	13.42	-3.92
376	Shell-Thick	SLE-RARA	8.9857	0.4175	11.01	-3.92
376	Shell-Thick	SLE-FREQ.	9.5574	2.2303	9.72	0.21
376	Shell-Thick	SLE-FREQ.	11.9026	2.0617	11.88	0.21
376	Shell-Thick	SLE-FREQ.	10.2780	0.2622	11.88	-3.50
376	Shell-Thick	SLE-FREQ.	7.9411	0.3798	9.72	-3.50
376	Shell-Thick	SLE-QP	5.7868	1.3612	5.85	0.14
376	Shell-Thick	SLE-QP	7.2694	1.2500	7.24	0.14
376	Shell-Thick	SLE-QP	6.2839	0.1927	7.24	-2.26
376	Shell-Thick	SLE-QP	4.8074	0.2665	5.85	-2.26
377	Shell-Thick	SLU-STATICA	19.2976	4.3111	18.26	0.31
377	Shell-Thick	SLU-STATICA	22.0719	3.9628	21.01	0.31
377	Shell-Thick	SLU-STATICA	19.1009	3.3210	21.01	-4.44
377	Shell-Thick	SLU-STATICA	16.3772	3.3320	18.26	-4.44
377	Shell-Thick	SLU-SISMICA	34.4845	7.6577	32.71	0.52
377	Shell-Thick	SLU-SISMICA	39.2005	7.0793	37.28	0.52
377	Shell-Thick	SLU-SISMICA	33.9083	5.8100	37.28	-7.38
377	Shell-Thick	SLU-SISMICA	29.2763	5.8281	32.71	-7.38
377	Shell-Thick	SLE-RARA	13.8659	3.1000	13.12	0.22
377	Shell-Thick	SLE-RARA	15.8713	2.8475	15.11	0.22
377	Shell-Thick	SLE-RARA	13.7358	2.3925	15.11	-3.22
377	Shell-Thick	SLE-RARA	11.7670	2.4004	13.12	-3.22
377	Shell-Thick	SLE-FREQ.	12.2759	2.7485	11.60	0.20
377	Shell-Thick	SLE-FREQ.	14.0723	2.5211	13.40	0.20
377	Shell-Thick	SLE-FREQ.	12.1802	2.1289	13.40	-2.90
377	Shell-Thick	SLE-FREQ.	10.4168	2.1361	11.60	-2.90
377	Shell-Thick	SLE-QP	7.5060	1.6941	7.07	0.13
377	Shell-Thick	SLE-QP	8.6754	1.5421	8.27	0.13
377	Shell-Thick	SLE-QP	7.5135	1.3383	8.27	-1.93

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377	Shell-Thick	SLE-QP	6.3662	1.3432	7.07	-1.93
378	Shell-Thick	SLU-STATICA	22.3543	4.8099	20.88	0.23
378	Shell-Thick	SLU-STATICA	24.8570	4.6324	23.52	0.23
378	Shell-Thick	SLU-STATICA	21.5258	3.3198	23.52	-4.34
378	Shell-Thick	SLU-STATICA	19.0238	3.5001	20.88	-4.34
378	Shell-Thick	SLU-SISMICA	39.6669	8.4762	37.06	0.36
378	Shell-Thick	SLU-SISMICA	43.8466	8.2265	41.29	0.36
378	Shell-Thick	SLU-SISMICA	37.9729	5.8029	41.29	-6.94
378	Shell-Thick	SLU-SISMICA	33.7844	6.1255	37.06	-6.94
378	Shell-Thick	SLE-RARA	16.0761	3.4620	15.01	0.17
378	Shell-Thick	SLE-RARA	17.8890	3.3311	16.94	0.17
378	Shell-Thick	SLE-RARA	15.4914	2.3918	16.94	-3.16
378	Shell-Thick	SLE-RARA	13.6796	2.5214	15.01	-3.16
378	Shell-Thick	SLE-FREQ.	14.2570	3.0753	13.31	0.15
378	Shell-Thick	SLE-FREQ.	15.8873	2.9536	15.06	0.15
378	Shell-Thick	SLE-FREQ.	13.7578	2.1288	15.06	-2.87
378	Shell-Thick	SLE-FREQ.	12.1293	2.2434	13.31	-2.87
378	Shell-Thick	SLE-QP	8.7995	1.9153	8.21	0.10
378	Shell-Thick	SLE-QP	9.8823	1.8211	9.43	0.10
378	Shell-Thick	SLE-QP	8.5570	1.3396	9.43	-1.99
378	Shell-Thick	SLE-QP	7.4783	1.4097	8.21	-1.99
379	Shell-Thick	SLU-STATICA	25.1792	5.4289	23.34	0.27
379	Shell-Thick	SLU-STATICA	27.3148	5.0699	25.84	0.27
379	Shell-Thick	SLU-STATICA	23.5965	4.1285	25.84	-4.06
379	Shell-Thick	SLU-STATICA	21.5188	4.0993	23.34	-4.06
379	Shell-Thick	SLU-SISMICA	44.3678	9.4996	40.99	0.43
379	Shell-Thick	SLU-SISMICA	47.8514	8.9442	44.87	0.43
379	Shell-Thick	SLU-SISMICA	41.3658	7.1780	44.87	-6.28
379	Shell-Thick	SLU-SISMICA	37.9720	7.1313	40.99	-6.28
379	Shell-Thick	SLE-RARA	18.1232	3.9109	16.80	0.20
379	Shell-Thick	SLE-RARA	19.6743	3.6486	18.63	0.20
379	Shell-Thick	SLE-RARA	16.9946	2.9764	18.63	-2.97
379	Shell-Thick	SLE-RARA	15.4858	2.9551	16.80	-2.97
379	Shell-Thick	SLE-FREQ.	16.0994	3.4799	14.94	0.18
379	Shell-Thick	SLE-FREQ.	17.5015	3.2403	16.61	0.18
379	Shell-Thick	SLE-FREQ.	15.1153	2.6524	16.61	-2.71
379	Shell-Thick	SLE-FREQ.	13.7519	2.6331	14.94	-2.71
379	Shell-Thick	SLE-QP	10.0280	2.1870	9.34	0.12
379	Shell-Thick	SLE-QP	10.9830	2.0152	10.54	0.12
379	Shell-Thick	SLE-QP	9.4773	1.6804	10.54	-1.95
379	Shell-Thick	SLE-QP	8.5499	1.6670	9.34	-1.95
380	Shell-Thick	SLU-STATICA	27.5869	5.7839	25.70	0.18
380	Shell-Thick	SLU-STATICA	29.4861	5.6307	27.96	0.18
380	Shell-Thick	SLU-STATICA	25.4606	4.4469	27.96	-3.73
380	Shell-Thick	SLU-STATICA	23.5620	4.6027	25.70	-3.73
380	Shell-Thick	SLU-SISMICA	48.2793	10.0447	44.63	0.26
380	Shell-Thick	SLU-SISMICA	51.3083	9.8729	47.99	0.26
380	Shell-Thick	SLU-SISMICA	44.3679	7.7166	47.99	-5.54
380	Shell-Thick	SLU-SISMICA	41.3233	8.0047	44.63	-5.54
380	Shell-Thick	SLE-RARA	19.8727	4.1704	18.53	0.13
380	Shell-Thick	SLE-RARA	21.2555	4.0552	20.19	0.13
380	Shell-Thick	SLE-RARA	18.3505	3.2067	20.19	-2.74
380	Shell-Thick	SLE-RARA	16.9689	3.3182	18.53	-2.74
380	Shell-Thick	SLE-FREQ.	17.6822	3.7174	16.51	0.12
380	Shell-Thick	SLE-FREQ.	18.9380	3.6066	18.04	0.12
380	Shell-Thick	SLE-FREQ.	16.3442	2.8589	18.04	-2.52
380	Shell-Thick	SLE-FREQ.	15.0909	2.9568	16.51	-2.52
380	Shell-Thick	SLE-QP	11.1106	2.3585	10.48	9.206E-02
380	Shell-Thick	SLE-QP	11.9856	2.2608	11.61	9.206E-02
380	Shell-Thick	SLE-QP	10.3253	1.8156	11.61	-1.87
380	Shell-Thick	SLE-QP	9.4568	1.8726	10.48	-1.87
381	Shell-Thick	SLU-STATICA	29.7298	6.2758	27.83	0.23
381	Shell-Thick	SLU-STATICA	31.3510	5.9404	30.00	0.23
381	Shell-Thick	SLU-STATICA	26.9842	4.8669	30.00	-3.52
381	Shell-Thick	SLU-STATICA	25.4202	4.8181	27.83	-3.52
381	Shell-Thick	SLU-SISMICA	51.6736	10.8247	47.79	0.34
381	Shell-Thick	SLU-SISMICA	54.1784	10.3457	50.90	0.34
381	Shell-Thick	SLU-SISMICA	46.7335	8.3727	50.90	-5.05
381	Shell-Thick	SLU-SISMICA	44.3104	8.3032	47.79	-5.05

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381	Shell-Thick	SLE-RARA	21.4341	4.5287	20.09	0.17
381	Shell-Thick	SLE-RARA	22.6185	4.2818	21.69	0.17
381	Shell-Thick	SLE-RARA	19.4630	3.5131	21.69	-2.59
381	Shell-Thick	SLE-RARA	18.3206	3.4772	20.09	-2.59
381	Shell-Thick	SLE-FREQ.	19.1022	4.0432	17.96	0.15
381	Shell-Thick	SLE-FREQ.	20.1848	3.8142	19.44	0.15
381	Shell-Thick	SLE-FREQ.	17.3601	3.1384	19.44	-2.40
381	Shell-Thick	SLE-FREQ.	16.3165	3.1050	17.96	-2.40
381	Shell-Thick	SLE-QP	12.1067	2.5867	11.55	0.11
381	Shell-Thick	SLE-QP	12.8838	2.4114	12.68	0.11
381	Shell-Thick	SLE-QP	11.0513	2.0142	12.68	-1.84
381	Shell-Thick	SLE-QP	10.3041	1.9886	11.55	-1.84
382	Shell-Thick	SLU-STATICA	31.5923	6.5286	29.86	0.14
382	Shell-Thick	SLU-STATICA	33.0265	6.3952	31.84	0.14
382	Shell-Thick	SLU-STATICA	28.3976	5.2389	31.84	-3.29
382	Shell-Thick	SLU-STATICA	26.9631	5.3796	29.86	-3.29
382	Shell-Thick	SLU-SISMICA	54.5387	11.1759	50.68	0.18
382	Shell-Thick	SLU-SISMICA	56.6852	11.0688	53.40	0.18
382	Shell-Thick	SLU-SISMICA	48.8879	8.9977	53.40	-4.53
382	Shell-Thick	SLU-SISMICA	46.7186	9.2689	50.68	-4.53
382	Shell-Thick	SLE-RARA	22.7954	4.7154	21.59	0.10
382	Shell-Thick	SLE-RARA	23.8467	4.6130	23.06	0.10
382	Shell-Thick	SLE-RARA	20.4971	3.7825	23.06	-2.43
382	Shell-Thick	SLE-RARA	19.4467	3.8826	21.59	-2.43
382	Shell-Thick	SLE-FREQ.	20.3476	4.2172	19.34	9.922E-02
382	Shell-Thick	SLE-FREQ.	21.3144	4.1152	20.72	9.922E-02
382	Shell-Thick	SLE-FREQ.	18.3078	3.3803	20.72	-2.27
382	Shell-Thick	SLE-FREQ.	17.3437	3.4672	19.34	-2.27
382	Shell-Thick	SLE-QP	13.0041	2.7227	12.61	8.255E-02
382	Shell-Thick	SLE-QP	13.7176	2.6217	13.69	8.255E-02
382	Shell-Thick	SLE-QP	11.7399	2.1738	13.69	-1.79
382	Shell-Thick	SLE-QP	11.0347	2.2211	12.61	-1.79
383	Shell-Thick	SLU-STATICA	33.2211	6.9180	31.74	0.19
383	Shell-Thick	SLU-STATICA	34.4398	6.6141	33.68	0.19
383	Shell-Thick	SLU-STATICA	29.5058	5.4424	33.68	-3.15
383	Shell-Thick	SLU-STATICA	28.3391	5.3963	31.74	-3.15
383	Shell-Thick	SLU-SISMICA	56.9514	11.7610	53.26	0.26
383	Shell-Thick	SLU-SISMICA	58.6918	11.3676	55.83	0.26
383	Shell-Thick	SLU-SISMICA	50.4751	9.2540	55.83	-4.18
383	Shell-Thick	SLU-SISMICA	48.8010	9.2020	53.26	-4.18
383	Shell-Thick	SLE-RARA	23.9905	5.0008	22.98	0.14
383	Shell-Thick	SLE-RARA	24.8880	4.7749	24.42	0.14
383	Shell-Thick	SLE-RARA	21.3129	3.9340	24.42	-2.34
383	Shell-Thick	SLE-RARA	20.4542	3.8994	22.98	-2.34
383	Shell-Thick	SLE-FREQ.	21.4488	4.4795	20.65	0.13
383	Shell-Thick	SLE-FREQ.	22.2813	4.2666	21.99	0.13
383	Shell-Thick	SLE-FREQ.	19.0641	3.5237	21.99	-2.20
383	Shell-Thick	SLE-FREQ.	18.2683	3.4905	20.65	-2.20
383	Shell-Thick	SLE-QP	13.8237	2.9156	13.64	0.10
383	Shell-Thick	SLE-QP	14.4611	2.7414	14.73	0.10
383	Shell-Thick	SLE-QP	12.3177	2.2930	14.73	-1.77
383	Shell-Thick	SLE-QP	11.7105	2.2638	13.64	-1.77
384	Shell-Thick	SLU-STATICA	34.6544	7.0960	33.54	0.11
384	Shell-Thick	SLU-STATICA	35.7251	6.9799	35.34	0.11
384	Shell-Thick	SLU-STATICA	30.5585	5.7992	35.34	-2.99
384	Shell-Thick	SLU-STATICA	29.4858	5.9338	33.54	-2.99
384	Shell-Thick	SLU-SISMICA	58.9949	11.9701	55.62	0.11
384	Shell-Thick	SLU-SISMICA	60.4509	11.9190	57.88	0.11
384	Shell-Thick	SLU-SISMICA	51.9517	9.8443	57.88	-3.80
384	Shell-Thick	SLU-SISMICA	50.4647	10.1143	55.62	-3.80
384	Shell-Thick	SLE-RARA	25.0462	5.1340	24.32	8.353E-02
384	Shell-Thick	SLE-RARA	25.8384	5.0429	25.65	8.353E-02
384	Shell-Thick	SLE-RARA	22.0894	4.1927	25.65	-2.23
384	Shell-Thick	SLE-RARA	21.2973	4.2880	24.32	-2.23
384	Shell-Thick	SLE-FREQ.	22.4284	4.6069	21.90	8.142E-02
384	Shell-Thick	SLE-FREQ.	23.1693	4.5127	23.17	8.142E-02
384	Shell-Thick	SLE-FREQ.	19.7867	3.7569	23.17	-2.10
384	Shell-Thick	SLE-FREQ.	19.0481	3.8387	21.90	-2.10
384	Shell-Thick	SLE-QP	14.5747	3.0254	14.66	7.509E-02

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384	Shell-Thick	SLE-QP	15.1621	2.9219	15.71	7.509E-02
384	Shell-Thick	SLE-QP	12.8784	2.4495	15.71	-1.74
384	Shell-Thick	SLE-QP	12.3005	2.4909	14.66	-1.74
385	Shell-Thick	SLU-STATICA	35.8874	7.4019	35.25	0.16
385	Shell-Thick	SLU-STATICA	36.7856	7.1327	37.02	0.16
385	Shell-Thick	SLU-STATICA	31.3417	5.8680	37.02	-2.89
385	Shell-Thick	SLU-STATICA	30.4882	5.8371	35.25	-2.89
385	Shell-Thick	SLU-SISMICA	60.6511	12.3965	57.76	0.18
385	Shell-Thick	SLU-SISMICA	61.7828	12.0903	59.92	0.18
385	Shell-Thick	SLU-SISMICA	52.9305	9.8553	59.92	-3.55
385	Shell-Thick	SLU-SISMICA	51.8465	9.8419	57.76	-3.55
385	Shell-Thick	SLE-RARA	25.9594	5.3598	25.59	0.12
385	Shell-Thick	SLE-RARA	26.6284	5.1577	26.91	0.12
385	Shell-Thick	SLE-RARA	22.6732	4.2478	26.91	-2.16
385	Shell-Thick	SLE-RARA	22.0379	4.2235	25.59	-2.16
385	Shell-Thick	SLE-FREQ.	23.2843	4.8172	23.11	0.11
385	Shell-Thick	SLE-FREQ.	23.9175	4.6231	24.36	0.11
385	Shell-Thick	SLE-FREQ.	20.3400	3.8154	24.36	-2.05
385	Shell-Thick	SLE-FREQ.	19.7393	3.7902	23.11	-2.05
385	Shell-Thick	SLE-QP	15.2587	3.1894	15.67	9.563E-02
385	Shell-Thick	SLE-QP	15.7849	3.0193	16.72	9.563E-02
385	Shell-Thick	SLE-QP	13.3403	2.5181	16.72	-1.73
385	Shell-Thick	SLE-QP	12.8434	2.4905	15.67	-1.73
386	Shell-Thick	SLU-STATICA	36.9783	7.5230	36.89	8.471E-02
386	Shell-Thick	SLU-STATICA	37.7552	7.4237	38.54	8.471E-02
386	Shell-Thick	SLU-STATICA	32.0991	6.1874	38.54	-2.77
386	Shell-Thick	SLU-STATICA	31.3178	6.3218	36.89	-2.77
386	Shell-Thick	SLU-SISMICA	62.0386	12.4977	59.72	5.550E-02
386	Shell-Thick	SLU-SISMICA	62.9369	12.4974	61.63	5.550E-02
386	Shell-Thick	SLU-SISMICA	53.8528	10.3696	61.63	-3.26
386	Shell-Thick	SLU-SISMICA	52.9146	10.6479	59.72	-3.26
386	Shell-Thick	SLE-RARA	26.7713	5.4526	26.81	6.564E-02
386	Shell-Thick	SLE-RARA	27.3539	5.3724	28.05	6.564E-02
386	Shell-Thick	SLE-RARA	23.2388	4.4800	28.05	-2.08
386	Shell-Thick	SLE-RARA	22.6546	4.5747	26.81	-2.08
386	Shell-Thick	SLE-FREQ.	24.0517	4.9093	24.27	6.642E-02
386	Shell-Thick	SLE-FREQ.	24.6100	4.8230	25.46	6.642E-02
386	Shell-Thick	SLE-FREQ.	20.8781	4.0259	25.46	-1.98
386	Shell-Thick	SLE-FREQ.	20.3212	4.1064	24.27	-1.98
386	Shell-Thick	SLE-QP	15.8930	3.2795	16.66	6.877E-02
386	Shell-Thick	SLE-QP	16.3782	3.1747	17.69	6.877E-02
386	Shell-Thick	SLE-QP	13.7959	2.6634	17.69	-1.71
386	Shell-Thick	SLE-QP	13.3209	2.7014	16.66	-1.71
387	Shell-Thick	SLU-STATICA	37.8948	7.7588	38.46	0.12
387	Shell-Thick	SLU-STATICA	38.5279	7.5258	40.09	0.12
387	Shell-Thick	SLU-STATICA	32.6175	6.1675	40.09	-2.69
387	Shell-Thick	SLU-STATICA	32.0206	6.1581	38.46	-2.69
387	Shell-Thick	SLU-SISMICA	63.0907	12.7915	61.52	0.12
387	Shell-Thick	SLU-SISMICA	63.7207	12.5708	63.36	0.12
387	Shell-Thick	SLU-SISMICA	54.3377	10.2238	63.36	-3.06
387	Shell-Thick	SLU-SISMICA	53.7357	10.2585	61.52	-3.06
387	Shell-Thick	SLE-RARA	27.4590	5.6284	27.99	9.471E-02
387	Shell-Thick	SLE-RARA	27.9389	5.4512	29.22	9.471E-02
387	Shell-Thick	SLE-RARA	23.6334	4.4713	29.22	-2.02
387	Shell-Thick	SLE-RARA	23.1813	4.4619	27.99	-2.02
387	Shell-Thick	SLE-FREQ.	24.7113	5.0760	25.40	9.281E-02
387	Shell-Thick	SLE-FREQ.	25.1796	4.9022	26.58	9.281E-02
387	Shell-Thick	SLE-FREQ.	21.2657	4.0277	26.58	-1.94
387	Shell-Thick	SLE-FREQ.	20.8252	4.0150	25.40	-1.94
387	Shell-Thick	SLE-QP	16.4683	3.4189	17.65	8.711E-02
387	Shell-Thick	SLE-QP	16.9019	3.2552	18.68	8.711E-02
387	Shell-Thick	SLE-QP	14.1626	2.6969	18.68	-1.71
387	Shell-Thick	SLE-QP	13.7567	2.6740	17.65	-1.71
388	Shell-Thick	SLU-STATICA	38.7020	7.8343	39.96	6.200E-02
388	Shell-Thick	SLU-STATICA	39.2306	7.7522	41.49	6.200E-02
388	Shell-Thick	SLU-STATICA	33.1238	6.4423	41.49	-2.59
388	Shell-Thick	SLU-STATICA	32.5877	6.5800	39.96	-2.59
388	Shell-Thick	SLU-SISMICA	63.9365	12.8067	63.16	7.216E-03
388	Shell-Thick	SLU-SISMICA	64.3673	12.8540	64.80	7.216E-03

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388	Shell-Thick	SLU-SISMICA	54.7920	10.6483	64.80	-2.81
388	Shell-Thick	SLU-SISMICA	54.3123	10.9397	63.16	-2.81
388	Shell-Thick	SLE-RARA	28.0687	5.6886	29.12	4.971E-02
388	Shell-Thick	SLE-RARA	28.4741	5.6199	30.28	4.971E-02
388	Shell-Thick	SLE-RARA	24.0195	4.6720	30.28	-1.95
388	Shell-Thick	SLE-RARA	23.6105	4.7687	29.12	-1.95
388	Shell-Thick	SLE-FREQ.	25.3028	5.1397	26.50	5.299E-02
388	Shell-Thick	SLE-FREQ.	25.7063	5.0621	27.62	5.299E-02
388	Shell-Thick	SLE-FREQ.	21.6466	4.2111	27.62	-1.89
388	Shell-Thick	SLE-FREQ.	21.2430	4.2929	26.50	-1.89
388	Shell-Thick	SLE-QP	17.0052	3.4930	18.62	6.282E-02
388	Shell-Thick	SLE-QP	17.4028	3.3886	19.63	6.282E-02
388	Shell-Thick	SLE-QP	14.5277	2.8286	19.63	-1.69
388	Shell-Thick	SLE-QP	14.1405	2.8653	18.62	-1.69
389	Shell-Thick	SLU-STATICA	39.3529	8.0089	41.41	9.581E-02
389	Shell-Thick	SLU-STATICA	39.7566	7.8130	42.93	9.581E-02
389	Shell-Thick	SLU-STATICA	33.4159	6.3598	42.93	-2.52
389	Shell-Thick	SLU-STATICA	33.0393	6.3750	41.41	-2.52
389	Shell-Thick	SLU-SISMICA	64.4857	12.9864	64.69	6.074E-02
389	Shell-Thick	SLU-SISMICA	64.6869	12.8481	66.25	6.074E-02
389	Shell-Thick	SLU-SISMICA	54.8598	10.3967	66.25	-2.64
389	Shell-Thick	SLU-SISMICA	54.6669	10.4828	64.69	-2.64
389	Shell-Thick	SLE-RARA	28.5670	5.8207	30.22	7.434E-02
389	Shell-Thick	SLE-RARA	28.8830	5.6693	31.37	7.434E-02
389	Shell-Thick	SLE-RARA	24.2521	4.6179	31.37	-1.91
389	Shell-Thick	SLE-RARA	23.9576	4.6259	30.22	-1.91
389	Shell-Thick	SLE-FREQ.	25.7972	5.2681	27.56	7.539E-02
389	Shell-Thick	SLE-FREQ.	26.1220	5.1158	28.67	7.539E-02
389	Shell-Thick	SLE-FREQ.	21.8918	4.1723	28.67	-1.85
389	Shell-Thick	SLE-FREQ.	21.5895	4.1742	27.56	-1.85
389	Shell-Thick	SLE-QP	17.4878	3.6104	19.59	7.854E-02
389	Shell-Thick	SLE-QP	17.8392	3.4550	20.60	7.854E-02
389	Shell-Thick	SLE-QP	14.8111	2.8355	20.60	-1.68
389	Shell-Thick	SLE-QP	14.4852	2.8193	19.59	-1.68
390	Shell-Thick	SLU-STATICA	39.9138	8.0457	42.80	4.083E-02
390	Shell-Thick	SLU-STATICA	40.2226	7.9816	44.23	4.083E-02
390	Shell-Thick	SLU-STATICA	33.6993	6.5881	44.23	-2.43
390	Shell-Thick	SLU-STATICA	33.3795	6.7315	42.80	-2.43
390	Shell-Thick	SLU-SISMICA	64.8673	12.9296	66.06	-3.622E-02
390	Shell-Thick	SLU-SISMICA	64.8915	13.0221	67.44	-3.622E-02
390	Shell-Thick	SLU-SISMICA	54.9055	10.7283	67.44	-2.43
390	Shell-Thick	SLU-SISMICA	54.8234	11.0353	66.06	-2.43
390	Shell-Thick	SLE-RARA	29.0009	5.8532	31.27	3.477E-02
390	Shell-Thick	SLE-RARA	29.2491	5.7968	32.36	3.477E-02
390	Shell-Thick	SLE-RARA	24.4787	4.7858	32.36	-1.84
390	Shell-Thick	SLE-RARA	24.2245	4.8863	31.27	-1.84
390	Shell-Thick	SLE-FREQ.	26.2352	5.3075	28.59	4.025E-02
390	Shell-Thick	SLE-FREQ.	26.5006	5.2396	29.65	4.025E-02
390	Shell-Thick	SLE-FREQ.	22.1324	4.3275	29.65	-1.79
390	Shell-Thick	SLE-FREQ.	21.8650	4.4122	28.59	-1.79
390	Shell-Thick	SLE-QP	17.9379	3.6705	20.54	5.667E-02
390	Shell-Thick	SLE-QP	18.2551	3.5681	21.53	5.667E-02
390	Shell-Thick	SLE-QP	15.0935	2.9528	21.53	-1.66
390	Shell-Thick	SLE-QP	14.7863	2.9897	20.54	-1.66
391	Shell-Thick	SLU-STATICA	40.3303	8.1648	44.15	6.820E-02
391	Shell-Thick	SLU-STATICA	40.5258	8.0064	45.55	6.820E-02
391	Shell-Thick	SLU-STATICA	33.7881	6.4581	45.55	-2.36
391	Shell-Thick	SLU-STATICA	33.6104	6.4989	44.15	-2.36
391	Shell-Thick	SLU-SISMICA	64.9811	13.0084	67.33	6.840E-03
391	Shell-Thick	SLU-SISMICA	64.8025	12.9484	68.64	6.840E-03
391	Shell-Thick	SLU-SISMICA	54.6070	10.4011	68.64	-2.27
391	Shell-Thick	SLU-SISMICA	54.7750	10.5378	67.33	-2.27
391	Shell-Thick	SLE-RARA	29.3316	5.9455	32.30	5.474E-02
391	Shell-Thick	SLE-RARA	29.4984	5.8206	33.36	5.474E-02
391	Shell-Thick	SLE-RARA	24.5652	4.6971	33.36	-1.79
391	Shell-Thick	SLE-RARA	24.4133	4.7232	32.30	-1.79
391	Shell-Thick	SLE-FREQ.	26.5826	5.4008	29.59	5.843E-02
391	Shell-Thick	SLE-FREQ.	26.7760	5.2709	30.64	5.843E-02
391	Shell-Thick	SLE-FREQ.	22.2486	4.2572	30.64	-1.75



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391	Shell-Thick	SLE-FREQ.	22.0721	4.2748	29.59	-1.75
391	Shell-Thick	SLE-QP	18.3355	3.7669	21.49	6.951E-02
391	Shell-Thick	SLE-QP	18.6088	3.6220	22.48	6.951E-02
391	Shell-Thick	SLE-QP	15.2988	2.9376	22.48	-1.64
391	Shell-Thick	SLE-QP	15.0482	2.9297	21.49	-1.64
392	Shell-Thick	SLU-STATICA	40.6670	8.1663	45.42	2.024E-02
392	Shell-Thick	SLU-STATICA	40.7719	8.1215	46.74	2.024E-02
392	Shell-Thick	SLU-STATICA	33.8651	6.6397	46.74	-2.26
392	Shell-Thick	SLU-STATICA	33.7452	6.7901	45.42	-2.26
392	Shell-Thick	SLU-SISMICA	64.9505	12.8880	68.45	-7.624E-02
392	Shell-Thick	SLU-SISMICA	64.6090	13.0239	69.61	-7.624E-02
392	Shell-Thick	SLU-SISMICA	54.2847	10.6414	69.61	-2.07
392	Shell-Thick	SLU-SISMICA	54.5595	10.9642	68.45	-2.07
392	Shell-Thick	SLE-RARA	29.6050	5.9527	33.27	2.015E-02
392	Shell-Thick	SLE-RARA	29.7068	5.9097	34.28	2.015E-02
392	Shell-Thick	SLE-RARA	24.6434	4.8318	34.28	-1.72
392	Shell-Thick	SLE-RARA	24.5330	4.9371	33.27	-1.72
392	Shell-Thick	SLE-FREQ.	26.8794	5.4178	30.56	2.758E-02
392	Shell-Thick	SLE-FREQ.	27.0154	5.3611	31.56	2.758E-02
392	Shell-Thick	SLE-FREQ.	22.3577	4.3838	31.56	-1.70
392	Shell-Thick	SLE-FREQ.	22.2176	4.4724	30.56	-1.70
392	Shell-Thick	SLE-QP	18.7027	3.8134	22.42	4.988E-02
392	Shell-Thick	SLE-QP	18.9411	3.7153	23.38	4.988E-02
392	Shell-Thick	SLE-QP	15.5005	3.0398	23.38	-1.62
392	Shell-Thick	SLE-QP	15.2713	3.0781	22.42	-1.62
393	Shell-Thick	SLU-STATICA	40.8661	8.2333	46.66	4.121E-02
393	Shell-Thick	SLU-STATICA	40.8643	8.1128	47.95	4.121E-02
393	Shell-Thick	SLU-STATICA	33.7624	6.4707	47.95	-2.19
393	Shell-Thick	SLU-STATICA	33.7727	6.5370	46.66	-2.19
393	Shell-Thick	SLU-SISMICA	64.6732	12.8751	69.49	-4.323E-02
393	Shell-Thick	SLU-SISMICA	64.1475	12.8890	70.58	-4.323E-02
393	Shell-Thick	SLU-SISMICA	53.6535	10.2562	70.58	-1.92
393	Shell-Thick	SLU-SISMICA	54.1506	10.4405	69.49	-1.92
393	Shell-Thick	SLE-RARA	29.7796	6.0074	34.22	3.543E-02
393	Shell-Thick	SLE-RARA	29.8044	5.9094	35.21	3.543E-02
393	Shell-Thick	SLE-RARA	24.5920	4.7145	35.21	-1.67
393	Shell-Thick	SLE-RARA	24.5755	4.7588	34.22	-1.67
393	Shell-Thick	SLE-FREQ.	27.0889	5.4778	31.50	4.150E-02
393	Shell-Thick	SLE-FREQ.	27.1561	5.3712	32.48	4.150E-02
393	Shell-Thick	SLE-FREQ.	22.3510	4.2871	32.48	-1.65
393	Shell-Thick	SLE-FREQ.	22.2949	4.3207	31.50	-1.65
393	Shell-Thick	SLE-QP	19.0167	3.8890	23.34	5.969E-02
393	Shell-Thick	SLE-QP	19.2112	3.7565	24.30	5.969E-02
393	Shell-Thick	SLE-QP	15.6279	3.0051	24.30	-1.60
393	Shell-Thick	SLE-QP	15.4531	3.0063	23.34	-1.60
394	Shell-Thick	SLU-STATICA	40.9894	8.2007	47.82	-3.642E-04
394	Shell-Thick	SLU-STATICA	40.8976	8.1767	49.03	-3.642E-04
394	Shell-Thick	SLU-STATICA	33.6408	6.6057	49.03	-2.09
394	Shell-Thick	SLU-STATICA	33.7135	6.7635	47.82	-2.09
394	Shell-Thick	SLU-SISMICA	64.2647	12.6964	70.39	-0.11
394	Shell-Thick	SLU-SISMICA	63.5851	12.8736	71.32	-0.11
394	Shell-Thick	SLU-SISMICA	52.9911	10.4084	71.32	-1.73
394	Shell-Thick	SLU-SISMICA	53.5958	10.7459	70.39	-1.73
394	Shell-Thick	SLE-RARA	29.8995	5.9900	35.11	5.371E-03
394	Shell-Thick	SLE-RARA	29.8592	5.9618	36.04	5.371E-03
394	Shell-Thick	SLE-RARA	24.5268	4.8159	36.04	-1.60
394	Shell-Thick	SLE-RARA	24.5554	4.9266	35.11	-1.60
394	Shell-Thick	SLE-FREQ.	27.2495	5.4729	32.39	1.456E-02
394	Shell-Thick	SLE-FREQ.	27.2585	5.4288	33.32	1.456E-02
394	Shell-Thick	SLE-FREQ.	22.3318	4.3846	33.32	-1.59
394	Shell-Thick	SLE-FREQ.	22.3160	4.4778	32.39	-1.59
394	Shell-Thick	SLE-QP	19.2995	3.9214	24.23	4.211E-02
394	Shell-Thick	SLE-QP	19.4564	3.8298	25.16	4.211E-02
394	Shell-Thick	SLE-QP	15.7469	3.0909	25.16	-1.56
394	Shell-Thick	SLE-QP	15.5978	3.1316	24.23	-1.56
395	Shell-Thick	SLU-STATICA	40.9782	8.2173	48.95	1.441E-02
395	Shell-Thick	SLU-STATICA	40.7825	8.1348	50.12	1.441E-02
395	Shell-Thick	SLU-STATICA	33.3509	6.4023	50.12	-2.01
395	Shell-Thick	SLU-STATICA	33.5458	6.4931	48.95	-2.01

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395	Shell-Thick	SLU-SISMICA	63.6252	12.5986	71.21	-8.997E-02
395	Shell-Thick	SLU-SISMICA	62.7747	12.6814	72.06	-8.997E-02
395	Shell-Thick	SLU-SISMICA	52.0492	9.9756	72.06	-1.57
395	Shell-Thick	SLU-SISMICA	52.8548	10.2026	71.21	-1.57
395	Shell-Thick	SLE-RARA	29.9223	6.0083	35.98	1.612E-02
395	Shell-Thick	SLE-RARA	29.8067	5.9375	36.88	1.612E-02
395	Shell-Thick	SLE-RARA	24.3396	4.6732	36.88	-1.54
395	Shell-Thick	SLE-RARA	24.4569	4.7353	35.98	-1.54
395	Shell-Thick	SLE-FREQ.	27.3234	5.5001	33.26	2.430E-02
395	Shell-Thick	SLE-FREQ.	27.2644	5.4175	34.17	2.430E-02
395	Shell-Thick	SLE-FREQ.	22.2028	4.2643	34.17	-1.54
395	Shell-Thick	SLE-FREQ.	22.2670	4.3137	33.26	-1.54
395	Shell-Thick	SLE-QP	19.5266	3.9754	25.12	4.885E-02
395	Shell-Thick	SLE-QP	19.6376	3.8574	26.03	4.885E-02
395	Shell-Thick	SLE-QP	15.7925	3.0377	26.03	-1.53
395	Shell-Thick	SLE-QP	15.6975	3.0489	25.12	-1.53
396	Shell-Thick	SLU-STATICA	40.8910	8.1505	49.99	-2.131E-02
396	Shell-Thick	SLU-STATICA	40.6034	8.1484	51.08	-2.131E-02
396	Shell-Thick	SLU-STATICA	33.0323	6.4911	51.08	-1.90
396	Shell-Thick	SLU-STATICA	33.2964	6.6565	49.99	-1.90
396	Shell-Thick	SLU-SISMICA	62.8619	12.3645	71.88	-0.15
396	Shell-Thick	SLU-SISMICA	61.8634	12.5806	72.59	-0.15
396	Shell-Thick	SLU-SISMICA	51.0663	10.0450	72.59	-1.39
396	Shell-Thick	SLU-SISMICA	51.9824	10.3946	71.88	-1.39
396	Shell-Thick	SLE-RARA	29.8899	5.9660	36.79	-9.791E-03
396	Shell-Thick	SLE-RARA	29.7075	5.9535	37.64	-9.791E-03
396	Shell-Thick	SLE-RARA	24.1312	4.7415	37.64	-1.47
396	Shell-Thick	SLE-RARA	24.2989	4.8576	36.79	-1.47
396	Shell-Thick	SLE-FREQ.	27.3474	5.4726	34.09	9.415E-04
396	Shell-Thick	SLE-FREQ.	27.2278	5.4425	34.94	9.415E-04
396	Shell-Thick	SLE-FREQ.	22.0542	4.3325	34.94	-1.48
396	Shell-Thick	SLE-FREQ.	22.1642	4.4307	34.09	-1.48
396	Shell-Thick	SLE-QP	19.7197	3.9924	25.97	3.314E-02
396	Shell-Thick	SLE-QP	19.7889	3.9094	26.85	3.314E-02
396	Shell-Thick	SLE-QP	15.8231	3.1056	26.85	-1.49
396	Shell-Thick	SLE-QP	15.7599	3.1498	25.97	-1.49
397	Shell-Thick	SLU-STATICA	40.6699	8.1173	51.00	-1.229E-02
397	Shell-Thick	SLU-STATICA	40.2790	8.0724	52.04	-1.229E-02
397	Shell-Thick	SLU-STATICA	32.5540	6.2548	52.04	-1.81
397	Shell-Thick	SLU-STATICA	32.9351	6.3688	51.00	-1.81
397	Shell-Thick	SLU-SISMICA	61.8800	12.1873	72.47	-0.13
397	Shell-Thick	SLU-SISMICA	60.7208	12.3328	73.11	-0.13
397	Shell-Thick	SLU-SISMICA	49.8291	9.5693	73.11	-1.23
397	Shell-Thick	SLU-SISMICA	50.9286	9.8333	72.47	-1.23
397	Shell-Thick	SLE-RARA	29.7603	5.9480	37.57	-3.278E-03
397	Shell-Thick	SLE-RARA	29.5024	5.9045	38.38	-3.278E-03
397	Shell-Thick	SLE-RARA	23.8066	4.5743	38.38	-1.40
397	Shell-Thick	SLE-RARA	24.0597	4.6533	37.57	-1.40
397	Shell-Thick	SLE-FREQ.	27.2835	5.4669	34.88	6.756E-03
397	Shell-Thick	SLE-FREQ.	27.0951	5.4088	35.70	6.756E-03
397	Shell-Thick	SLE-FREQ.	21.8000	4.1892	35.70	-1.42
397	Shell-Thick	SLE-FREQ.	21.9877	4.2538	34.88	-1.42
397	Shell-Thick	SLE-QP	19.8529	4.0235	26.81	3.686E-02
397	Shell-Thick	SLE-QP	19.8731	3.9217	27.67	3.686E-02
397	Shell-Thick	SLE-QP	15.7800	3.0336	27.67	-1.46
397	Shell-Thick	SLE-QP	15.7719	3.0555	26.81	-1.46
398	Shell-Thick	SLU-STATICA	40.3740	8.0187	51.91	-4.260E-02
398	Shell-Thick	SLU-STATICA	39.8639	8.0289	52.93	-4.260E-02
398	Shell-Thick	SLU-STATICA	32.0143	6.3023	52.93	-1.72
398	Shell-Thick	SLU-STATICA	32.4919	6.4730	51.91	-1.72
398	Shell-Thick	SLU-SISMICA	60.7840	11.9049	72.92	-0.19
398	Shell-Thick	SLU-SISMICA	59.4149	12.1349	73.46	-0.19
398	Shell-Thick	SLU-SISMICA	48.4851	9.5709	73.46	-1.07
398	Shell-Thick	SLU-SISMICA	49.7495	9.9155	72.92	-1.07
398	Shell-Thick	SLE-RARA	29.5760	5.8824	38.29	-2.508E-02
398	Shell-Thick	SLE-RARA	29.2322	5.8792	39.08	-2.508E-02
398	Shell-Thick	SLE-RARA	23.4378	4.6126	39.08	-1.34
398	Shell-Thick	SLE-RARA	23.7605	4.7333	38.29	-1.34
398	Shell-Thick	SLE-FREQ.	27.1694	5.4180	35.62	-1.258E-02



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398	Shell-Thick	SLE-FREQ.	26.9047	5.3968	36.43	-1.258E-02
398	Shell-Thick	SLE-FREQ.	21.5064	4.2303	36.43	-1.36
398	Shell-Thick	SLE-FREQ.	21.7564	4.3337	35.62	-1.36
398	Shell-Thick	SLE-QP	19.9498	4.0248	27.61	2.490E-02
398	Shell-Thick	SLE-QP	19.9223	3.9496	28.48	2.490E-02
398	Shell-Thick	SLE-QP	15.7120	3.0832	28.48	-1.42
398	Shell-Thick	SLE-QP	15.7441	3.1348	27.61	-1.42
399	Shell-Thick	SLU-STATICA	39.9598	7.9180	52.79	-9.938E-02
399	Shell-Thick	SLU-STATICA	38.6663	7.8072	54.47	-9.938E-02
399	Shell-Thick	SLU-STATICA	30.6595	5.9471	54.47	-1.59
399	Shell-Thick	SLU-STATICA	31.8604	6.1231	52.79	-1.59
399	Shell-Thick	SLU-SISMICA	59.4522	11.5783	73.27	-0.42
399	Shell-Thick	SLU-SISMICA	56.3699	11.5861	73.71	-0.42
399	Shell-Thick	SLU-SISMICA	45.4957	8.9563	73.71	-0.81
399	Shell-Thick	SLU-SISMICA	48.2566	9.1715	73.27	-0.81
399	Shell-Thick	SLE-RARA	29.3079	5.8174	38.98	-5.946E-02
399	Shell-Thick	SLE-RARA	28.4168	5.7275	40.32	-5.946E-02
399	Shell-Thick	SLE-RARA	22.4926	4.3564	40.32	-1.25
399	Shell-Thick	SLE-RARA	23.3249	4.4878	38.98	-1.25
399	Shell-Thick	SLE-FREQ.	26.9833	5.3732	36.33	-3.185E-02
399	Shell-Thick	SLE-FREQ.	26.2613	5.2758	37.74	-3.185E-02
399	Shell-Thick	SLE-FREQ.	20.7188	4.0017	37.74	-1.28
399	Shell-Thick	SLE-FREQ.	21.4023	4.1267	36.33	-1.28
399	Shell-Thick	SLE-QP	20.0098	4.0404	28.40	5.098E-02
399	Shell-Thick	SLE-QP	19.7946	3.9204	30.02	5.098E-02
399	Shell-Thick	SLE-QP	15.3973	2.9375	30.02	-1.38
399	Shell-Thick	SLE-QP	15.6346	3.0432	28.40	-1.38
400	Shell-Thick	SLU-STATICA	38.7669	7.6417	54.32	-7.902E-02
400	Shell-Thick	SLU-STATICA	37.9555	7.7028	55.04	-7.902E-02
400	Shell-Thick	SLU-STATICA	29.7693	5.8601	55.04	-1.33
400	Shell-Thick	SLU-STATICA	30.5451	6.0440	54.32	-1.33
400	Shell-Thick	SLU-SISMICA	56.4175	10.9551	73.49	-0.23
400	Shell-Thick	SLU-SISMICA	54.6633	11.2611	73.62	-0.23
400	Shell-Thick	SLU-SISMICA	43.6759	8.6394	73.62	-0.46
400	Shell-Thick	SLU-SISMICA	45.3318	9.0055	73.49	-0.46
400	Shell-Thick	SLE-RARA	28.4957	5.6253	40.20	-5.228E-02
400	Shell-Thick	SLE-RARA	27.9278	5.6594	40.78	-5.228E-02
400	Shell-Thick	SLE-RARA	21.8644	4.3019	40.78	-1.05
400	Shell-Thick	SLE-RARA	22.4085	4.4322	40.20	-1.05
400	Shell-Thick	SLE-FREQ.	26.3425	5.2143	37.63	-3.846E-02
400	Shell-Thick	SLE-FREQ.	25.8661	5.2275	38.25	-3.846E-02
400	Shell-Thick	SLE-FREQ.	20.1825	3.9674	38.25	-1.10
400	Shell-Thick	SLE-FREQ.	20.6408	4.0795	37.63	-1.10
400	Shell-Thick	SLE-QP	19.8831	3.9813	29.93	3.004E-03
400	Shell-Thick	SLE-QP	19.6812	3.9316	30.65	3.004E-03
400	Shell-Thick	SLE-QP	15.1366	2.9640	30.65	-1.24
400	Shell-Thick	SLE-QP	15.3377	3.0216	29.93	-1.24
401	Shell-Thick	SLU-STATICA	37.9751	7.4792	54.96	-8.103E-02
401	Shell-Thick	SLU-STATICA	37.0549	7.5268	55.57	-8.103E-02
401	Shell-Thick	SLU-STATICA	28.7773	5.5241	55.57	-1.13
401	Shell-Thick	SLU-STATICA	29.6684	5.6775	54.96	-1.13
401	Shell-Thick	SLU-SISMICA	54.6100	10.5945	73.52	-0.23
401	Shell-Thick	SLU-SISMICA	52.7175	10.8710	73.48	-0.23
401	Shell-Thick	SLU-SISMICA	41.7323	8.0424	73.48	-0.17
401	Shell-Thick	SLU-SISMICA	43.5388	8.3538	73.52	-0.17
401	Shell-Thick	SLE-RARA	27.9463	5.5120	40.72	-5.400E-02
401	Shell-Thick	SLE-RARA	27.2975	5.5367	41.22	-5.400E-02
401	Shell-Thick	SLE-RARA	21.1601	4.0604	41.22	-0.91
401	Shell-Thick	SLE-RARA	21.7897	4.1687	40.72	-0.91
401	Shell-Thick	SLE-FREQ.	25.8902	5.1201	38.19	-4.047E-02
401	Shell-Thick	SLE-FREQ.	25.3373	5.1254	38.73	-4.047E-02
401	Shell-Thick	SLE-FREQ.	19.5738	3.7533	38.73	-0.96
401	Shell-Thick	SLE-FREQ.	20.1126	3.8459	38.19	-0.96
401	Shell-Thick	SLE-QP	19.7219	3.9443	30.61	1.202E-04
401	Shell-Thick	SLE-QP	19.4566	3.8914	31.26	1.202E-04
401	Shell-Thick	SLE-QP	14.8146	2.8321	31.26	-1.13
401	Shell-Thick	SLE-QP	15.0812	2.8777	30.61	-1.13
402	Shell-Thick	SLU-STATICA	37.0889	7.2694	55.47	-0.10
402	Shell-Thick	SLU-STATICA	36.0565	7.3596	55.93	-0.10

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402	Shell-Thick	SLU-STATICA	27.7187	5.4464	55.93	-0.91
402	Shell-Thick	SLU-STATICA	28.7120	5.6249	55.47	-0.91
402	Shell-Thick	SLU-SISMICA	52.6904	10.1666	73.34	-0.26
402	Shell-Thick	SLU-SISMICA	50.6621	10.5039	73.12	-0.26
402	Shell-Thick	SLU-SISMICA	39.7251	7.8642	73.12	0.12
402	Shell-Thick	SLU-SISMICA	41.6527	8.2133	73.34	0.12
402	Shell-Thick	SLE-RARA	27.3263	5.3640	41.14	-7.098E-02
402	Shell-Thick	SLE-RARA	26.5936	5.4200	41.53	-7.098E-02
402	Shell-Thick	SLE-RARA	20.4052	4.0065	41.53	-0.74
402	Shell-Thick	SLE-RARA	21.1114	4.1333	41.14	-0.74
402	Shell-Thick	SLE-FREQ.	25.3704	4.9936	38.66	-5.636E-02
402	Shell-Thick	SLE-FREQ.	24.7376	5.0280	39.09	-5.636E-02
402	Shell-Thick	SLE-FREQ.	18.9154	3.7090	39.09	-0.81
402	Shell-Thick	SLE-FREQ.	19.5273	3.8186	38.66	-0.81
402	Shell-Thick	SLE-QP	19.5027	3.8826	31.21	-1.249E-02
402	Shell-Thick	SLE-QP	19.1696	3.8519	31.78	-1.249E-02
402	Shell-Thick	SLE-QP	14.4460	2.8165	31.78	-1.01
402	Shell-Thick	SLE-QP	14.7753	2.8748	31.21	-1.01
403	Shell-Thick	SLU-STATICA	36.0486	7.0499	55.87	-0.11
403	Shell-Thick	SLU-STATICA	34.8983	7.1395	56.19	-0.11
403	Shell-Thick	SLU-STATICA	26.5099	5.0874	56.19	-0.67
403	Shell-Thick	SLU-STATICA	27.6242	5.2446	55.87	-0.67
403	Shell-Thick	SLU-SISMICA	50.5730	9.7361	73.03	-0.26
403	Shell-Thick	SLU-SISMICA	48.4080	10.0601	72.63	-0.26
403	Shell-Thick	SLU-SISMICA	37.5273	7.2490	72.63	0.43
403	Shell-Thick	SLU-SISMICA	39.5994	7.5583	73.03	0.43
403	Shell-Thick	SLE-RARA	26.5917	5.2081	41.48	-7.668E-02
403	Shell-Thick	SLE-RARA	25.7706	5.2643	41.76	-7.668E-02
403	Shell-Thick	SLE-RARA	19.5386	3.7472	41.76	-0.56
403	Shell-Thick	SLE-RARA	20.3353	3.8587	41.48	-0.56
403	Shell-Thick	SLE-FREQ.	24.7424	4.8590	39.04	-6.220E-02
403	Shell-Thick	SLE-FREQ.	24.0249	4.8945	39.38	-6.220E-02
403	Shell-Thick	SLE-FREQ.	18.1514	3.4771	39.38	-0.64
403	Shell-Thick	SLE-FREQ.	18.8497	3.5734	39.04	-0.64
403	Shell-Thick	SLE-QP	19.1946	3.8115	31.74	-1.877E-02
403	Shell-Thick	SLE-QP	18.7880	3.7850	32.23	-1.877E-02
403	Shell-Thick	SLE-QP	13.9900	2.6670	32.23	-0.87
403	Shell-Thick	SLE-QP	14.3932	2.7176	31.74	-0.87
404	Shell-Thick	SLU-STATICA	34.8988	6.7925	56.10	-0.13
404	Shell-Thick	SLU-STATICA	33.6309	6.9135	56.25	-0.13
404	Shell-Thick	SLU-STATICA	25.2233	4.9673	56.25	-0.39
404	Shell-Thick	SLU-STATICA	26.4492	5.1334	56.10	-0.39
404	Shell-Thick	SLU-SISMICA	48.3380	9.2565	72.51	-0.29
404	Shell-Thick	SLU-SISMICA	46.0442	9.6199	71.89	-0.29
404	Shell-Thick	SLU-SISMICA	35.2615	7.0189	71.89	0.77
404	Shell-Thick	SLU-SISMICA	37.4548	7.3399	72.51	0.77
404	Shell-Thick	SLE-RARA	25.7745	5.0241	41.69	-9.097E-02
404	Shell-Thick	SLE-RARA	24.8649	5.1037	41.84	-9.097E-02
404	Shell-Thick	SLE-RARA	18.6125	3.6617	41.84	-0.35
404	Shell-Thick	SLE-RARA	19.4932	3.7798	41.69	-0.35
404	Shell-Thick	SLE-FREQ.	24.0346	4.6978	39.32	-7.585E-02
404	Shell-Thick	SLE-FREQ.	23.2317	4.7555	39.53	-7.585E-02
404	Shell-Thick	SLE-FREQ.	17.3286	3.4028	39.53	-0.44
404	Shell-Thick	SLE-FREQ.	18.1081	3.5053	39.32	-0.44
404	Shell-Thick	SLE-QP	18.8147	3.7186	32.19	-3.047E-02
404	Shell-Thick	SLE-QP	18.3321	3.7107	32.57	-3.047E-02
404	Shell-Thick	SLE-QP	13.4770	2.6261	32.57	-0.70
404	Shell-Thick	SLE-QP	13.9529	2.6817	32.19	-0.70
405	Shell-Thick	SLU-STATICA	33.5876	6.5127	56.20	-0.14
405	Shell-Thick	SLU-STATICA	32.1999	6.6448	56.17	-0.14
405	Shell-Thick	SLU-STATICA	23.7908	4.5689	56.17	-7.932E-02
405	Shell-Thick	SLU-STATICA	25.1370	4.7202	56.20	-7.932E-02
405	Shell-Thick	SLU-SISMICA	45.9124	8.7580	71.83	-0.30
405	Shell-Thick	SLU-SISMICA	43.4938	9.1232	71.00	-0.30
405	Shell-Thick	SLU-SISMICA	32.8266	6.3663	71.00	1.14
405	Shell-Thick	SLU-SISMICA	35.1487	6.6579	71.83	1.14
405	Shell-Thick	SLE-RARA	24.8365	4.8231	41.81	-9.998E-02
405	Shell-Thick	SLE-RARA	23.8364	4.9115	41.82	-9.998E-02
405	Shell-Thick	SLE-RARA	17.5770	3.3725	41.82	-0.12

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405	Shell-Thick	SLE-RARA	18.5484	3.4801	41.81	-0.12
405	Shell-Thick	SLE-FREQ.	23.2113	4.5196	39.49	-8.489E-02
405	Shell-Thick	SLE-FREQ.	22.3205	4.5867	39.57	-8.489E-02
405	Shell-Thick	SLE-FREQ.	16.4010	3.1416	39.57	-0.22
405	Shell-Thick	SLE-FREQ.	17.2683	3.2351	39.49	-0.22
405	Shell-Thick	SLE-QP	18.3356	3.6093	32.55	-3.964E-02
405	Shell-Thick	SLE-QP	17.7730	3.6124	32.82	-3.964E-02
405	Shell-Thick	SLE-QP	12.8732	2.4490	32.82	-0.51
405	Shell-Thick	SLE-QP	13.4280	2.5000	32.55	-0.51
406	Shell-Thick	SLU-STATICA	32.1608	6.2054	56.10	-0.16
406	Shell-Thick	SLU-STATICA	30.6549	6.3578	55.86	-0.16
406	Shell-Thick	SLU-STATICA	22.2771	4.4147	55.86	0.27
406	Shell-Thick	SLU-STATICA	23.7398	4.5576	56.10	0.27
406	Shell-Thick	SLU-SISMICA	43.3764	8.2299	70.92	-0.31
406	Shell-Thick	SLU-SISMICA	40.8427	8.6139	69.84	-0.31
406	Shell-Thick	SLU-SISMICA	30.3313	6.1025	69.84	1.54
406	Shell-Thick	SLU-SISMICA	32.7679	6.3790	70.92	1.54
406	Shell-Thick	SLE-RARA	23.8106	4.6012	41.77	-0.11
406	Shell-Thick	SLE-RARA	22.7207	4.7051	41.63	-0.11
406	Shell-Thick	SLE-RARA	16.4789	3.2611	41.63	0.14
406	Shell-Thick	SLE-RARA	17.5387	3.3627	41.77	0.14
406	Shell-Thick	SLE-FREQ.	22.3019	4.3213	39.53	-9.605E-02
406	Shell-Thick	SLE-FREQ.	21.3233	4.4037	39.45	-9.605E-02
406	Shell-Thick	SLE-FREQ.	15.4107	3.0420	39.45	3.009E-02
406	Shell-Thick	SLE-FREQ.	16.3643	3.1301	39.53	3.009E-02
406	Shell-Thick	SLE-QP	17.7755	3.4818	32.78	-5.017E-02
406	Shell-Thick	SLE-QP	17.1310	3.4994	32.93	-5.017E-02
406	Shell-Thick	SLE-QP	12.2061	2.3846	32.93	-0.30
406	Shell-Thick	SLE-QP	12.8412	2.4323	32.78	-0.30
407	Shell-Thick	SLU-STATICA	30.5681	5.8641	55.84	-0.17
407	Shell-Thick	SLU-STATICA	28.9455	6.0387	55.36	-0.17
407	Shell-Thick	SLU-STATICA	20.6259	3.9721	55.36	0.65
407	Shell-Thick	SLU-STATICA	22.2033	4.1049	55.84	0.65
407	Shell-Thick	SLU-SISMICA	40.6608	7.6683	69.82	-0.32
407	Shell-Thick	SLU-SISMICA	38.0215	8.0681	68.49	-0.32
407	Shell-Thick	SLU-SISMICA	27.6936	5.4090	68.49	1.99
407	Shell-Thick	SLU-SISMICA	30.2364	5.6640	69.82	1.99
407	Shell-Thick	SLE-RARA	22.6597	4.3535	41.61	-0.12
407	Shell-Thick	SLE-RARA	21.4808	4.4746	41.29	-0.12
407	Shell-Thick	SLE-RARA	15.2769	2.9383	41.29	0.43
407	Shell-Thick	SLE-RARA	16.4240	3.0328	41.61	0.43
407	Shell-Thick	SLE-FREQ.	21.2716	4.0979	39.44	-0.11
407	Shell-Thick	SLE-FREQ.	20.2054	4.1975	39.20	-0.11
407	Shell-Thick	SLE-FREQ.	14.3194	2.7477	39.20	0.31
407	Shell-Thick	SLE-FREQ.	15.3589	2.8299	39.44	0.31
407	Shell-Thick	SLE-QP	17.1072	3.3310	32.91	-6.191E-02
407	Shell-Thick	SLE-QP	16.3789	3.3662	32.91	-6.191E-02
407	Shell-Thick	SLE-QP	11.4469	2.1761	32.91	-5.182E-02
407	Shell-Thick	SLE-QP	12.1635	2.2212	32.91	-5.182E-02
408	Shell-Thick	SLU-STATICA	28.8595	5.5068	55.33	-0.18
408	Shell-Thick	SLU-STATICA	27.1244	5.6900	54.60	-0.18
408	Shell-Thick	SLU-STATICA	18.8986	3.7967	54.60	1.08
408	Shell-Thick	SLU-STATICA	20.5913	3.9015	55.33	1.08
408	Shell-Thick	SLU-SISMICA	37.8511	7.0982	68.45	-0.33
408	Shell-Thick	SLU-SISMICA	35.1188	7.4958	66.83	-0.33
408	Shell-Thick	SLU-SISMICA	25.0151	5.1355	66.83	2.47
408	Shell-Thick	SLU-SISMICA	27.6575	5.3466	68.45	2.47
408	Shell-Thick	SLE-RARA	21.4199	4.0934	41.27	-0.13
408	Shell-Thick	SLE-RARA	20.1548	4.2216	40.76	-0.13
408	Shell-Thick	SLE-RARA	14.0154	2.8102	40.76	0.75
408	Shell-Thick	SLE-RARA	15.2507	2.8843	41.27	0.75
408	Shell-Thick	SLE-FREQ.	20.1529	3.8617	39.18	-0.12
408	Shell-Thick	SLE-FREQ.	19.0009	3.9691	38.75	-0.12
408	Shell-Thick	SLE-FREQ.	13.1672	2.6309	38.75	0.62
408	Shell-Thick	SLE-FREQ.	14.2940	2.6944	39.18	0.62
408	Shell-Thick	SLE-QP	16.3517	3.1665	32.89	-7.084E-02
408	Shell-Thick	SLE-QP	15.5391	3.2116	32.72	-7.084E-02
408	Shell-Thick	SLE-QP	10.6226	2.0930	32.72	0.22
408	Shell-Thick	SLE-QP	11.4239	2.1248	32.89	0.22

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409	Shell-Thick	SLU-STATICA	26.9847	5.1045	54.62	-0.20
409	Shell-Thick	SLU-STATICA	25.1441	5.3212	53.59	-0.20
409	Shell-Thick	SLU-STATICA	17.0492	3.3093	53.59	1.57
409	Shell-Thick	SLU-STATICA	18.8433	3.4070	54.62	1.57
409	Shell-Thick	SLU-SISMICA	34.8782	6.4809	66.86	-0.34
409	Shell-Thick	SLU-SISMICA	32.0699	6.9087	64.92	-0.34
409	Shell-Thick	SLU-SISMICA	22.2293	4.4027	64.92	3.01
409	Shell-Thick	SLU-SISMICA	24.9454	4.5987	66.86	3.01
409	Shell-Thick	SLE-RARA	20.0540	3.7993	40.78	-0.15
409	Shell-Thick	SLE-RARA	18.7075	3.9530	40.05	-0.15
409	Shell-Thick	SLE-RARA	12.6607	2.4531	40.05	1.12
409	Shell-Thick	SLE-RARA	13.9742	2.5222	40.78	1.12
409	Shell-Thick	SLE-FREQ.	18.9108	3.5925	38.76	-0.13
409	Shell-Thick	SLE-FREQ.	17.6771	3.7251	38.13	-0.13
409	Shell-Thick	SLE-FREQ.	11.9228	2.3027	38.13	0.97
409	Shell-Thick	SLE-FREQ.	13.1282	2.3621	38.76	0.97
409	Shell-Thick	SLE-QP	15.4814	2.9722	32.73	-8.483E-02
409	Shell-Thick	SLE-QP	14.5859	3.0413	32.37	-8.483E-02
409	Shell-Thick	SLE-QP	9.7092	1.8517	32.37	0.53
409	Shell-Thick	SLE-QP	10.5901	1.8817	32.73	0.53
410	Shell-Thick	SLU-STATICA	25.0023	4.7003	53.61	-0.21
410	Shell-Thick	SLU-STATICA	23.0642	4.9130	52.27	-0.21
410	Shell-Thick	SLU-STATICA	15.1406	3.1293	52.27	2.11
410	Shell-Thick	SLU-STATICA	17.0402	3.1759	53.61	2.11
410	Shell-Thick	SLU-SISMICA	31.8390	5.8792	64.94	-0.34
410	Shell-Thick	SLU-SISMICA	28.9718	6.2829	62.66	-0.34
410	Shell-Thick	SLU-SISMICA	19.4376	4.1477	62.66	3.60
410	Shell-Thick	SLU-SISMICA	22.2272	4.2673	64.94	3.60
410	Shell-Thick	SLE-RARA	18.6045	3.5029	40.06	-0.15
410	Shell-Thick	SLE-RARA	17.1822	3.6545	39.09	-0.15
410	Shell-Thick	SLE-RARA	11.2585	2.3204	39.09	1.53
410	Shell-Thick	SLE-RARA	12.6535	2.3521	40.06	1.53
410	Shell-Thick	SLE-FREQ.	17.5839	3.3196	38.14	-0.13
410	Shell-Thick	SLE-FREQ.	16.2731	3.4518	37.27	-0.13
410	Shell-Thick	SLE-FREQ.	10.6278	2.1795	37.27	1.37
410	Shell-Thick	SLE-FREQ.	11.9152	2.2044	38.14	1.37
410	Shell-Thick	SLE-QP	14.5223	2.7699	32.38	-9.150E-02
410	Shell-Thick	SLE-QP	13.5457	2.8437	31.81	-9.150E-02
410	Shell-Thick	SLE-QP	8.7356	1.7568	31.81	0.89
410	Shell-Thick	SLE-QP	9.7005	1.7614	32.38	0.89
411	Shell-Thick	SLU-STATICA	22.8694	4.2623	52.34	-0.19
411	Shell-Thick	SLU-STATICA	21.1119	4.5340	50.88	-0.19
411	Shell-Thick	SLU-STATICA	13.3802	2.5975	50.88	2.68
411	Shell-Thick	SLU-STATICA	15.1151	2.6790	52.34	2.68
411	Shell-Thick	SLU-SISMICA	28.6734	5.2429	62.76	-0.30
411	Shell-Thick	SLU-SISMICA	26.1499	5.7218	60.47	-0.30
411	Shell-Thick	SLU-SISMICA	16.9269	3.3691	60.47	4.21
411	Shell-Thick	SLU-SISMICA	19.4083	3.5494	62.76	4.21
411	Shell-Thick	SLE-RARA	17.0398	3.1808	39.14	-0.14
411	Shell-Thick	SLE-RARA	15.7462	3.3764	38.08	-0.14
411	Shell-Thick	SLE-RARA	9.9619	1.9298	38.08	1.96
411	Shell-Thick	SLE-RARA	11.2394	1.9866	39.14	1.96
411	Shell-Thick	SLE-FREQ.	16.1427	3.0218	37.32	-0.12
411	Shell-Thick	SLE-FREQ.	14.9439	3.1955	36.35	-0.12
411	Shell-Thick	SLE-FREQ.	9.4248	1.8188	36.35	1.78
411	Shell-Thick	SLE-FREQ.	10.6094	1.8661	37.32	1.78
411	Shell-Thick	SLE-QP	13.4514	2.5448	31.85	-8.734E-02
411	Shell-Thick	SLE-QP	12.5371	2.6529	31.17	-8.734E-02
411	Shell-Thick	SLE-QP	7.8136	1.4858	31.17	1.26
411	Shell-Thick	SLE-QP	8.7197	1.5046	31.85	1.26
412	Shell-Thick	SLU-STATICA	20.9553	3.9373	50.92	-0.12
412	Shell-Thick	SLU-STATICA	19.5951	4.1727	49.66	-0.12
412	Shell-Thick	SLU-STATICA	12.0436	2.5456	49.66	3.17
412	Shell-Thick	SLU-STATICA	13.4186	2.6036	50.92	3.17
412	Shell-Thick	SLU-SISMICA	25.9152	4.7778	60.52	-0.19
412	Shell-Thick	SLU-SISMICA	24.0141	5.2081	58.63	-0.19
412	Shell-Thick	SLU-SISMICA	15.0624	3.3063	58.63	4.73
412	Shell-Thick	SLU-SISMICA	16.9936	3.4731	60.52	4.73
412	Shell-Thick	SLE-RARA	15.6315	2.9416	38.11	-8.458E-02

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412	Shell-Thick	SLE-RARA	14.6277	3.1102	37.18	-8.458E-02
412	Shell-Thick	SLE-RARA	8.9755	1.8910	37.18	2.33
412	Shell-Thick	SLE-RARA	9.9896	1.9295	38.11	2.33
412	Shell-Thick	SLE-FREQ.	14.8385	2.8000	36.38	-7.666E-02
412	Shell-Thick	SLE-FREQ.	13.9039	2.9485	35.52	-7.666E-02
412	Shell-Thick	SLE-FREQ.	8.5061	1.7818	35.52	2.14
412	Shell-Thick	SLE-FREQ.	9.4495	1.8105	36.38	2.14
412	Shell-Thick	SLE-QP	12.4595	2.3752	31.19	-5.293E-02
412	Shell-Thick	SLE-QP	11.7325	2.4632	30.56	-5.293E-02
412	Shell-Thick	SLE-QP	7.0980	1.4544	30.56	1.59
412	Shell-Thick	SLE-QP	7.8292	1.4534	31.19	1.59
413	Shell-Thick	SLU-STATICA	19.3586	3.5146	49.77	-0.24
413	Shell-Thick	SLU-STATICA	17.2513	3.8074	47.41	-0.24
413	Shell-Thick	SLU-STATICA	9.9810	2.0597	47.41	3.84
413	Shell-Thick	SLU-STATICA	12.0473	2.0400	49.77	3.84
413	Shell-Thick	SLU-SISMICA	23.6762	4.2127	58.78	-0.36
413	Shell-Thick	SLU-SISMICA	20.7883	4.6802	55.42	-0.36
413	Shell-Thick	SLU-SISMICA	12.2578	2.6365	55.42	5.44
413	Shell-Thick	SLU-SISMICA	15.0722	2.6615	58.78	5.44
413	Shell-Thick	SLE-RARA	14.4536	2.6284	37.27	-0.18
413	Shell-Thick	SLE-RARA	12.8957	2.8415	35.53	-0.18
413	Shell-Thick	SLE-RARA	7.4495	1.5320	35.53	2.83
413	Shell-Thick	SLE-RARA	8.9780	1.5148	37.27	2.83
413	Shell-Thick	SLE-FREQ.	13.7424	2.5062	35.61	-0.17
413	Shell-Thick	SLE-FREQ.	12.2871	2.6997	33.99	-0.17
413	Shell-Thick	SLE-FREQ.	7.0787	1.4468	33.99	2.62
413	Shell-Thick	SLE-FREQ.	8.5080	1.4264	35.61	2.62
413	Shell-Thick	SLE-QP	11.6089	2.1397	30.63	-0.12
413	Shell-Thick	SLE-QP	10.4612	2.2744	29.39	-0.12
413	Shell-Thick	SLE-QP	5.9664	1.1913	29.39	2.02
413	Shell-Thick	SLE-QP	7.0982	1.1611	30.63	2.02
414	Shell-Thick	SLU-STATICA	16.9809	3.0538	47.55	-0.23
414	Shell-Thick	SLU-STATICA	14.8460	3.3116	44.71	-0.23
414	Shell-Thick	SLU-STATICA	7.9350	1.9345	44.71	4.68
414	Shell-Thick	SLU-STATICA	10.0499	1.8057	47.55	4.68
414	Shell-Thick	SLU-SISMICA	20.4248	3.6046	55.58	-0.33
414	Shell-Thick	SLU-SISMICA	17.5860	3.9975	51.74	-0.33
414	Shell-Thick	SLU-SISMICA	9.5546	2.4990	51.74	6.32
414	Shell-Thick	SLU-SISMICA	12.3530	2.3703	55.58	6.32
414	Shell-Thick	SLE-RARA	12.6954	2.2865	35.63	-0.17
414	Shell-Thick	SLE-RARA	11.1128	2.4751	33.53	-0.17
414	Shell-Thick	SLE-RARA	5.9320	1.4377	33.53	3.46
414	Shell-Thick	SLE-RARA	7.5004	1.3401	35.63	3.46
414	Shell-Thick	SLE-FREQ.	12.0994	2.1849	34.09	-0.16
414	Shell-Thick	SLE-FREQ.	10.6136	2.3577	32.12	-0.16
414	Shell-Thick	SLE-FREQ.	5.6526	1.3559	32.12	3.24
414	Shell-Thick	SLE-FREQ.	7.1262	1.2607	34.09	3.24
414	Shell-Thick	SLE-QP	10.3113	1.8800	29.47	-0.12
414	Shell-Thick	SLE-QP	9.1162	2.0055	27.91	-0.12
414	Shell-Thick	SLE-QP	4.8146	1.1104	27.91	2.58
414	Shell-Thick	SLE-QP	6.0036	1.0223	29.47	2.58
415	Shell-Thick	SLU-STATICA	14.4960	2.5201	44.93	-0.26
415	Shell-Thick	SLU-STATICA	12.3850	2.8561	41.50	-0.26
415	Shell-Thick	SLU-STATICA	5.9170	1.4222	41.50	5.67
415	Shell-Thick	SLU-STATICA	7.9972	1.2870	44.93	5.67
415	Shell-Thick	SLU-SISMICA	17.1266	2.9114	52.01	-0.35
415	Shell-Thick	SLU-SISMICA	14.4063	3.3951	47.55	-0.35
415	Shell-Thick	SLU-SISMICA	6.9640	1.7916	47.55	7.36
415	Shell-Thick	SLU-SISMICA	9.6301	1.6652	52.01	7.36
415	Shell-Thick	SLE-RARA	10.8531	1.8901	33.69	-0.19
415	Shell-Thick	SLE-RARA	9.2839	2.1373	31.14	-0.19
415	Shell-Thick	SLE-RARA	4.4314	1.0593	31.14	4.21
415	Shell-Thick	SLE-RARA	5.9784	0.9564	33.69	4.21
415	Shell-Thick	SLE-FREQ.	10.3693	1.8113	32.28	-0.18
415	Shell-Thick	SLE-FREQ.	8.8889	2.0403	29.88	-0.18
415	Shell-Thick	SLE-FREQ.	4.2361	1.0028	29.88	3.97
415	Shell-Thick	SLE-FREQ.	5.6968	0.9017	32.28	3.97
415	Shell-Thick	SLE-QP	8.9180	1.5751	28.04	-0.14
415	Shell-Thick	SLE-QP	7.7038	1.7493	26.08	-0.14

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415	Shell-Thick	SLE-QP	3.6502	0.8334	26.08	3.24
415	Shell-Thick	SLE-QP	4.8520	0.7377	28.04	3.24
416	Shell-Thick	SLU-STATICA	12.0147	2.0525	41.74	-0.23
416	Shell-Thick	SLU-STATICA	9.9631	2.3431	37.65	-0.23
416	Shell-Thick	SLU-STATICA	4.0092	1.3632	37.65	6.84
416	Shell-Thick	SLU-STATICA	6.0581	1.0796	41.74	6.84
416	Shell-Thick	SLU-SISMICA	13.9424	2.3367	47.84	-0.30
416	Shell-Thick	SLU-SISMICA	11.3802	2.7278	42.71	-0.30
416	Shell-Thick	SLU-SISMICA	4.5928	1.7554	42.71	8.56
416	Shell-Thick	SLU-SISMICA	7.1435	1.4283	47.84	8.56
416	Shell-Thick	SLE-RARA	9.0079	1.5411	31.32	-0.17
416	Shell-Thick	SLE-RARA	7.4788	1.7563	28.27	-0.17
416	Shell-Thick	SLE-RARA	3.0088	1.0134	28.27	5.09
416	Shell-Thick	SLE-RARA	4.5363	0.8007	31.32	5.09
416	Shell-Thick	SLE-FREQ.	8.6274	1.4797	30.05	-0.16
416	Shell-Thick	SLE-FREQ.	7.1779	1.6814	27.16	-0.16
416	Shell-Thick	SLE-FREQ.	2.8867	0.9562	27.16	4.83
416	Shell-Thick	SLE-FREQ.	4.3353	0.7523	30.05	4.83
416	Shell-Thick	SLE-QP	7.4859	1.2956	26.23	-0.13
416	Shell-Thick	SLE-QP	6.2754	1.4566	23.82	-0.13
416	Shell-Thick	SLE-QP	2.5203	0.7845	23.82	4.02
416	Shell-Thick	SLE-QP	3.7321	0.6071	26.23	4.02
417	Shell-Thick	SLU-STATICA	9.5026	1.5145	37.99	-0.26
417	Shell-Thick	SLU-STATICA	7.5994	1.9059	33.06	-0.26
417	Shell-Thick	SLU-STATICA	2.2772	0.9767	33.06	8.26
417	Shell-Thick	SLU-STATICA	4.1657	0.6719	37.99	8.26
417	Shell-Thick	SLU-SISMICA	10.8124	1.6773	43.12	-0.33
417	Shell-Thick	SLU-SISMICA	8.5180	2.1888	37.13	-0.33
417	Shell-Thick	SLU-SISMICA	2.5117	1.2218	37.13	10.03
417	Shell-Thick	SLU-SISMICA	4.7773	0.8893	43.12	10.03
417	Shell-Thick	SLE-RARA	7.1352	1.1395	28.53	-0.19
417	Shell-Thick	SLE-RARA	5.7126	1.4301	24.84	-0.19
417	Shell-Thick	SLE-RARA	1.7138	0.7278	24.84	6.17
417	Shell-Thick	SLE-RARA	3.1260	0.4983	28.53	6.17
417	Shell-Thick	SLE-FREQ.	6.8517	1.0980	27.40	-0.18
417	Shell-Thick	SLE-FREQ.	5.4962	1.3715	23.90	-0.18
417	Shell-Thick	SLE-FREQ.	1.6523	0.6898	23.90	5.88
417	Shell-Thick	SLE-FREQ.	2.9987	0.4681	27.40	5.88
417	Shell-Thick	SLE-QP	6.0010	0.9736	24.03	-0.15
417	Shell-Thick	SLE-QP	4.8472	1.1960	21.05	-0.15
417	Shell-Thick	SLE-QP	1.4677	0.5755	21.05	4.98
417	Shell-Thick	SLE-QP	2.6167	0.3777	24.03	4.98
418	Shell-Thick	SLU-STATICA	7.0937	1.0752	33.45	-0.23
418	Shell-Thick	SLU-STATICA	5.4049	1.4245	27.53	-0.23
418	Shell-Thick	SLU-STATICA	0.8205	1.0390	27.53	10.01
418	Shell-Thick	SLU-STATICA	2.5290	0.5375	33.45	10.01
418	Shell-Thick	SLU-SISMICA	7.9183	1.1785	37.59	-0.27
418	Shell-Thick	SLU-SISMICA	5.9537	1.5959	30.61	-0.27
418	Shell-Thick	SLU-SISMICA	0.8264	1.3239	30.61	11.80
418	Shell-Thick	SLU-SISMICA	2.8126	0.7380	37.59	11.80
418	Shell-Thick	SLE-RARA	5.3340	0.8096	25.14	-0.17
418	Shell-Thick	SLE-RARA	4.0682	1.0709	20.71	-0.17
418	Shell-Thick	SLE-RARA	0.6214	0.7731	20.71	7.49
418	Shell-Thick	SLE-RARA	1.9022	0.3973	25.14	7.49
418	Shell-Thick	SLE-FREQ.	5.1348	0.7811	24.18	-0.16
418	Shell-Thick	SLE-FREQ.	3.9228	1.0304	19.94	-0.16
418	Shell-Thick	SLE-FREQ.	0.6056	0.7306	19.94	7.16
418	Shell-Thick	SLE-FREQ.	1.8320	0.3710	24.18	7.16
418	Shell-Thick	SLE-QP	4.5369	0.6958	21.30	-0.14
418	Shell-Thick	SLE-QP	3.4866	0.9089	17.65	-0.14
418	Shell-Thick	SLE-QP	0.5582	0.6032	17.65	6.17
418	Shell-Thick	SLE-QP	1.6213	0.2922	21.30	6.17
419	Shell-Thick	SLU-STATICA	4.7905	0.5801	28.05	-0.25
419	Shell-Thick	SLU-STATICA	3.4615	1.0703	20.78	-0.25
419	Shell-Thick	SLU-STATICA	-0.2049	0.9217	20.78	12.31
419	Shell-Thick	SLU-STATICA	1.1309	0.3632	28.05	12.31
419	Shell-Thick	SLU-SISMICA	5.2362	0.6067	31.21	-0.29
419	Shell-Thick	SLU-SISMICA	3.7611	1.1928	22.86	-0.29
419	Shell-Thick	SLU-SISMICA	-0.2962	1.1117	22.86	14.14

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419	Shell-Thick	SLU-SISMICA	1.1800	0.4937	31.21	14.14
419	Shell-Thick	SLE-RARA	3.6077	0.4382	21.09	-0.19
419	Shell-Thick	SLE-RARA	2.6080	0.8049	15.64	-0.19
419	Shell-Thick	SLE-RARA	-0.1507	0.6889	15.64	9.23
419	Shell-Thick	SLE-RARA	0.8545	0.2687	21.09	9.23
419	Shell-Thick	SLE-FREQ.	3.4821	0.4253	20.31	-0.18
419	Shell-Thick	SLE-FREQ.	2.5191	0.7750	15.09	-0.18
419	Shell-Thick	SLE-FREQ.	-0.1395	0.6563	15.09	8.86
419	Shell-Thick	SLE-FREQ.	0.8294	0.2514	20.31	8.86
419	Shell-Thick	SLE-QP	3.1054	0.3863	17.97	-0.16
419	Shell-Thick	SLE-QP	2.2523	0.6853	13.42	-0.16
419	Shell-Thick	SLE-QP	-0.1058	0.5585	13.42	7.72
419	Shell-Thick	SLE-QP	0.7541	0.1994	17.97	7.72
420	Shell-Thick	SLU-STATICA	2.7436	0.2148	21.42	-0.22
420	Shell-Thick	SLU-STATICA	1.8906	0.7121	12.35	-0.22
420	Shell-Thick	SLU-STATICA	-0.6649	1.2031	12.35	15.46
420	Shell-Thick	SLU-STATICA	0.2326	0.3749	21.42	15.46
420	Shell-Thick	SLU-SISMICA	2.9454	0.2275	23.59	-0.24
420	Shell-Thick	SLU-SISMICA	2.0454	0.7706	13.44	-0.24
420	Shell-Thick	SLU-SISMICA	-0.7596	1.3937	13.44	17.30
420	Shell-Thick	SLU-SISMICA	0.1945	0.4520	23.59	17.30
420	Shell-Thick	SLE-RARA	2.0689	0.1621	16.12	-0.16
420	Shell-Thick	SLE-RARA	1.4249	0.5366	9.30	-0.16
420	Shell-Thick	SLE-RARA	-0.4991	0.9022	9.30	11.62
420	Shell-Thick	SLE-RARA	0.1782	0.2802	16.12	11.62
420	Shell-Thick	SLE-FREQ.	2.0013	0.1571	15.54	-0.16
420	Shell-Thick	SLE-FREQ.	1.3770	0.5186	8.98	-0.16
420	Shell-Thick	SLE-FREQ.	-0.4790	0.8643	8.98	11.18
420	Shell-Thick	SLE-FREQ.	0.1769	0.2670	15.54	11.18
420	Shell-Thick	SLE-QP	1.7985	0.1419	13.82	-0.14
420	Shell-Thick	SLE-QP	1.2335	0.4645	8.03	-0.14
420	Shell-Thick	SLE-QP	-0.4188	0.7506	8.03	9.87
420	Shell-Thick	SLE-QP	0.1731	0.2272	13.82	9.87
421	Shell-Thick	SLU-STATICA	0.8860	-0.2979	13.28	-0.36
421	Shell-Thick	SLU-STATICA	0.6896	0.6130	-0.66	-0.36
421	Shell-Thick	SLU-STATICA	-0.2800	1.4347	-0.66	20.96
421	Shell-Thick	SLU-STATICA	-0.0389	0.3201	13.28	20.96
421	Shell-Thick	SLU-SISMICA	0.9271	-0.3344	14.49	-0.39
421	Shell-Thick	SLU-SISMICA	0.7430	0.6684	-0.71	-0.39
421	Shell-Thick	SLU-SISMICA	-0.3124	1.4848	-0.71	22.84
421	Shell-Thick	SLU-SISMICA	-0.0849	0.2807	14.49	22.84
421	Shell-Thick	SLE-RARA	0.6693	-0.2239	10.01	-0.27
421	Shell-Thick	SLE-RARA	0.5198	0.4618	-0.50	-0.27
421	Shell-Thick	SLE-RARA	-0.2106	1.0846	-0.50	15.79
421	Shell-Thick	SLE-RARA	-0.0272	0.2445	10.01	15.79
421	Shell-Thick	SLE-FREQ.	0.6494	-0.2154	9.66	-0.26
421	Shell-Thick	SLE-FREQ.	0.5026	0.4458	-0.48	-0.26
421	Shell-Thick	SLE-FREQ.	-0.2027	1.0538	-0.48	15.25
421	Shell-Thick	SLE-FREQ.	-0.0228	0.2417	9.66	15.25
421	Shell-Thick	SLE-QP	0.5898	-0.1899	8.62	-0.23
421	Shell-Thick	SLE-QP	0.4510	0.3980	-0.43	-0.23
421	Shell-Thick	SLE-QP	-0.1791	0.9612	-0.43	13.62
421	Shell-Thick	SLE-QP	-0.0094	0.2334	8.62	13.62
422	Shell-Thick	SLU-STATICA	0.7833	-0.1247	7.90	20.51
422	Shell-Thick	SLU-STATICA	1.0314	2.3063	-0.67	20.51
422	Shell-Thick	SLU-STATICA	0.4329	5.0152	-0.67	33.61
422	Shell-Thick	SLU-STATICA	0.2959	2.1257	7.90	33.61
422	Shell-Thick	SLU-SISMICA	0.9181	-0.2012	9.02	22.34
422	Shell-Thick	SLU-SISMICA	1.1306	2.4559	-0.75	22.34
422	Shell-Thick	SLU-SISMICA	0.4440	5.4171	-0.75	37.27
422	Shell-Thick	SLU-SISMICA	0.3637	2.2150	9.02	37.27
422	Shell-Thick	SLE-RARA	0.5868	-0.0907	5.93	15.45
422	Shell-Thick	SLE-RARA	0.7766	1.7401	-0.50	15.45
422	Shell-Thick	SLE-RARA	0.3275	3.7802	-0.50	25.29
422	Shell-Thick	SLE-RARA	0.2209	1.6062	5.93	25.29
422	Shell-Thick	SLE-FREQ.	0.5613	-0.0822	5.69	14.92
422	Shell-Thick	SLE-FREQ.	0.7493	1.6849	-0.48	14.92
422	Shell-Thick	SLE-FREQ.	0.3185	3.6539	-0.48	24.36
422	Shell-Thick	SLE-FREQ.	0.2099	1.5593	5.69	24.36



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422	Shell-Thick	SLE-QP	0.4846	-0.0566	4.98	13.33
422	Shell-Thick	SLE-QP	0.6674	1.5193	-0.42	13.33
422	Shell-Thick	SLE-QP	0.2916	3.2752	-0.42	21.59
422	Shell-Thick	SLE-QP	0.1768	1.4184	4.98	21.59
423	Shell-Thick	SLU-STATICA	0.9749	2.0003	5.57	33.43
423	Shell-Thick	SLU-STATICA	1.6915	5.5281	-0.68	33.43
423	Shell-Thick	SLU-STATICA	1.2694	9.2767	-0.68	42.99
423	Shell-Thick	SLU-STATICA	0.6645	5.2924	5.57	42.99
423	Shell-Thick	SLU-SISMICA	1.1353	2.0689	6.59	37.06
423	Shell-Thick	SLU-SISMICA	1.8878	6.0064	-0.80	37.06
423	Shell-Thick	SLU-SISMICA	1.3898	10.3818	-0.80	48.36
423	Shell-Thick	SLU-SISMICA	0.7649	5.9226	6.59	48.36
423	Shell-Thick	SLE-RARA	0.7307	1.5122	4.17	25.15
423	Shell-Thick	SLE-RARA	1.2719	4.1650	-0.51	25.15
423	Shell-Thick	SLE-RARA	0.9559	6.9742	-0.51	32.31
423	Shell-Thick	SLE-RARA	0.4985	3.9789	4.17	32.31
423	Shell-Thick	SLE-FREQ.	0.6995	1.4693	3.98	24.23
423	Shell-Thick	SLE-FREQ.	1.2244	4.0230	-0.49	24.23
423	Shell-Thick	SLE-FREQ.	0.9224	6.7114	-0.49	31.07
423	Shell-Thick	SLE-FREQ.	0.4780	3.8290	3.98	31.07
423	Shell-Thick	SLE-QP	0.6059	1.3406	3.42	21.48
423	Shell-Thick	SLE-QP	1.0820	3.5970	-0.42	21.48
423	Shell-Thick	SLE-QP	0.8221	5.9231	-0.42	27.35
423	Shell-Thick	SLE-QP	0.4164	3.3793	3.42	27.35
424	Shell-Thick	SLU-STATICA	1.6464	5.3985	4.08	42.94
424	Shell-Thick	SLU-STATICA	2.5257	9.6183	-0.71	42.94
424	Shell-Thick	SLU-STATICA	2.1832	13.9263	-0.71	50.26
424	Shell-Thick	SLU-STATICA	1.4829	8.9845	4.08	50.26
424	Shell-Thick	SLU-SISMICA	1.9853	6.0587	5.01	48.31
424	Shell-Thick	SLU-SISMICA	2.9043	10.7927	-0.88	48.31
424	Shell-Thick	SLU-SISMICA	2.4809	16.1333	-0.88	57.30
424	Shell-Thick	SLU-SISMICA	1.7884	10.4862	5.01	57.30
424	Shell-Thick	SLE-RARA	1.2307	4.0577	3.04	32.27
424	Shell-Thick	SLE-RARA	1.8950	7.2296	-0.53	32.27
424	Shell-Thick	SLE-RARA	1.6394	10.4425	-0.53	37.73
424	Shell-Thick	SLE-RARA	1.1085	6.7331	3.04	37.73
424	Shell-Thick	SLE-FREQ.	1.1725	3.9034	2.89	31.03
424	Shell-Thick	SLE-FREQ.	1.8171	6.9548	-0.50	31.03
424	Shell-Thick	SLE-FREQ.	1.5746	10.0036	-0.50	36.22
424	Shell-Thick	SLE-FREQ.	1.0560	6.4436	2.89	36.22
424	Shell-Thick	SLE-QP	0.9979	3.4405	2.44	27.33
424	Shell-Thick	SLE-QP	1.5836	6.1305	-0.42	27.33
424	Shell-Thick	SLE-QP	1.3799	8.6871	-0.42	31.69
424	Shell-Thick	SLE-QP	0.8987	5.5754	2.44	31.69
425	Shell-Thick	SLU-STATICA	2.1577	9.1934	3.07	50.34
425	Shell-Thick	SLU-STATICA	3.3872	14.0931	-0.67	50.34
425	Shell-Thick	SLU-STATICA	3.1247	18.4662	-0.67	56.06
425	Shell-Thick	SLU-STATICA	2.0591	12.9068	3.07	56.06
425	Shell-Thick	SLU-SISMICA	2.5994	10.7496	3.92	57.41
425	Shell-Thick	SLU-SISMICA	4.0004	16.3360	-0.86	57.41
425	Shell-Thick	SLU-SISMICA	3.6669	22.0002	-0.86	64.73
425	Shell-Thick	SLU-SISMICA	2.4729	15.5804	3.92	64.73
425	Shell-Thick	SLE-RARA	1.6130	6.8886	2.29	37.79
425	Shell-Thick	SLE-RARA	2.5360	10.5671	-0.50	37.79
425	Shell-Thick	SLE-RARA	2.3407	13.8164	-0.50	42.05
425	Shell-Thick	SLE-RARA	1.5396	9.6467	2.29	42.05
425	Shell-Thick	SLE-FREQ.	1.5369	6.5909	2.16	36.28
425	Shell-Thick	SLE-FREQ.	2.4231	10.1223	-0.47	36.28
425	Shell-Thick	SLE-FREQ.	2.2384	13.1854	-0.47	40.30
425	Shell-Thick	SLE-FREQ.	1.4677	9.1892	2.16	40.30
425	Shell-Thick	SLE-QP	1.3087	5.6977	1.78	31.74
425	Shell-Thick	SLE-QP	2.0844	8.7877	-0.38	31.74
425	Shell-Thick	SLE-QP	1.9316	11.2921	-0.38	35.05
425	Shell-Thick	SLE-QP	1.2517	7.8165	1.78	35.05
426	Shell-Thick	SLU-STATICA	3.1118	13.2577	2.33	56.20
426	Shell-Thick	SLU-STATICA	4.2716	18.5552	-0.66	56.20
426	Shell-Thick	SLU-STATICA	4.0334	22.9696	-0.66	60.77
426	Shell-Thick	SLU-STATICA	3.0990	16.7690	2.33	60.77
426	Shell-Thick	SLU-SISMICA	3.9007	16.0476	3.11	64.90



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426	Shell-Thick	SLU-SISMICA	5.1811	22.1214	-0.89	64.90
426	Shell-Thick	SLU-SISMICA	4.8631	28.0997	-0.89	71.02
426	Shell-Thick	SLU-SISMICA	3.8857	20.8117	3.11	71.02
426	Shell-Thick	SLE-RARA	2.3187	9.9068	1.73	42.15
426	Shell-Thick	SLE-RARA	3.1914	13.8823	-0.49	42.15
426	Shell-Thick	SLE-RARA	3.0149	17.1493	-0.49	45.54
426	Shell-Thick	SLE-RARA	2.3090	12.5050	1.73	45.54
426	Shell-Thick	SLE-FREQ.	2.1967	9.4333	1.62	40.39
426	Shell-Thick	SLE-FREQ.	3.0380	13.2469	-0.46	40.39
426	Shell-Thick	SLE-FREQ.	2.8724	16.3048	-0.46	43.57
426	Shell-Thick	SLE-FREQ.	2.1875	11.8645	1.62	43.57
426	Shell-Thick	SLE-QP	1.8307	8.0127	1.30	35.13
426	Shell-Thick	SLE-QP	2.5777	11.3409	-0.36	35.13
426	Shell-Thick	SLE-QP	2.4448	13.7716	-0.36	37.68
426	Shell-Thick	SLE-QP	1.8227	9.9428	1.30	37.68
427	Shell-Thick	SLU-STATICA	3.5472	17.1242	1.80	61.01
427	Shell-Thick	SLU-STATICA	5.0913	22.9156	-0.60	61.01
427	Shell-Thick	SLU-STATICA	4.9049	27.0657	-0.60	64.67
427	Shell-Thick	SLU-STATICA	3.5534	20.5026	1.80	64.67
427	Shell-Thick	SLU-SISMICA	4.4700	21.2884	2.52	71.34
427	Shell-Thick	SLU-SISMICA	6.3179	28.0308	-0.84	71.34
427	Shell-Thick	SLU-SISMICA	6.0611	33.8642	-0.84	76.48
427	Shell-Thick	SLU-SISMICA	4.4741	26.0761	2.52	76.48
427	Shell-Thick	SLE-RARA	2.6419	12.7681	1.33	45.71
427	Shell-Thick	SLE-RARA	3.7968	17.1091	-0.44	45.71
427	Shell-Thick	SLE-RARA	3.6590	20.1699	-0.44	48.42
427	Shell-Thick	SLE-RARA	2.6467	15.2579	1.33	48.42
427	Shell-Thick	SLE-FREQ.	2.5009	12.1111	1.24	43.74
427	Shell-Thick	SLE-FREQ.	3.6024	16.2669	-0.41	43.74
427	Shell-Thick	SLE-FREQ.	3.4738	19.1139	-0.41	46.25
427	Shell-Thick	SLE-FREQ.	2.5057	14.4237	1.24	46.25
427	Shell-Thick	SLE-QP	2.0780	10.1400	0.96	37.81
427	Shell-Thick	SLE-QP	3.0191	13.7403	-0.32	37.81
427	Shell-Thick	SLE-QP	2.9181	15.9459	-0.32	39.76
427	Shell-Thick	SLE-QP	2.0830	11.9210	0.96	39.76
428	Shell-Thick	SLU-STATICA	4.6237	20.9826	1.38	64.91
428	Shell-Thick	SLU-STATICA	5.8992	26.9986	-0.59	64.91
428	Shell-Thick	SLU-STATICA	5.7120	31.0577	-0.59	67.92
428	Shell-Thick	SLU-STATICA	4.6930	24.0164	1.38	67.92
428	Shell-Thick	SLU-SISMICA	6.0311	26.7468	2.04	76.80
428	Shell-Thick	SLU-SISMICA	7.4853	33.7898	-0.86	76.80
428	Shell-Thick	SLU-SISMICA	7.2154	39.7140	-0.86	81.24
428	Shell-Thick	SLU-SISMICA	6.1236	31.2221	2.04	81.24
428	Shell-Thick	SLE-RARA	3.4334	15.6121	1.01	48.59
428	Shell-Thick	SLE-RARA	4.3910	20.1195	-0.43	48.59
428	Shell-Thick	SLE-RARA	4.2533	23.1022	-0.43	50.80
428	Shell-Thick	SLE-RARA	3.4848	17.8391	1.01	50.80
428	Shell-Thick	SLE-FREQ.	3.2331	14.7534	0.93	46.42
428	Shell-Thick	SLE-FREQ.	4.1524	19.0653	-0.40	46.42
428	Shell-Thick	SLE-FREQ.	4.0249	21.8212	-0.40	48.45
428	Shell-Thick	SLE-FREQ.	3.2813	16.8071	0.93	48.45
428	Shell-Thick	SLE-QP	2.6321	12.1775	0.69	39.89
428	Shell-Thick	SLE-QP	3.4366	15.9028	-0.30	39.89
428	Shell-Thick	SLE-QP	3.3396	17.9783	-0.30	41.41
428	Shell-Thick	SLE-QP	2.6708	13.7111	0.69	41.41
429	Shell-Thick	SLU-STATICA	4.8308	24.4318	1.09	68.25
429	Shell-Thick	SLU-STATICA	6.6110	30.8496	-0.52	68.25
429	Shell-Thick	SLU-STATICA	6.4654	34.5322	-0.52	70.71
429	Shell-Thick	SLU-STATICA	4.8915	27.2901	1.09	70.71
429	Shell-Thick	SLU-SISMICA	6.3394	31.8085	1.72	81.70
429	Shell-Thick	SLU-SISMICA	8.5530	39.4382	-0.79	81.70
429	Shell-Thick	SLU-SISMICA	8.3354	45.0038	-0.79	85.53
429	Shell-Thick	SLU-SISMICA	6.4167	36.1946	1.72	85.53
429	Shell-Thick	SLE-RARA	3.5853	18.1453	0.79	51.05
429	Shell-Thick	SLE-RARA	4.9126	22.9479	-0.38	51.05
429	Shell-Thick	SLE-RARA	4.8059	25.6446	-0.38	52.84
429	Shell-Thick	SLE-RARA	3.6305	20.2351	0.79	52.84
429	Shell-Thick	SLE-FREQ.	3.3730	17.0917	0.72	48.68
429	Shell-Thick	SLE-FREQ.	4.6319	21.6763	-0.35	48.68

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429	Shell-Thick	SLE-FREQ.	4.5337	24.1517	-0.35	50.32
429	Shell-Thick	SLE-FREQ.	3.4156	19.0044	0.72	50.32
429	Shell-Thick	SLE-QP	2.7359	13.9309	0.51	41.59
429	Shell-Thick	SLE-QP	3.7897	17.8614	-0.26	41.59
429	Shell-Thick	SLE-QP	3.7172	19.6732	-0.26	42.76
429	Shell-Thick	SLE-QP	2.7710	15.3123	0.51	42.76
430	Shell-Thick	SLU-STATICA	6.0377	27.8523	0.84	71.00
430	Shell-Thick	SLU-STATICA	7.3202	34.3703	-0.53	71.00
430	Shell-Thick	SLU-STATICA	7.1555	38.0082	-0.53	73.10
430	Shell-Thick	SLU-STATICA	6.1558	30.3610	0.84	73.10
430	Shell-Thick	SLU-SISMICA	8.1645	37.0113	1.43	85.94
430	Shell-Thick	SLU-SISMICA	9.6538	44.8004	-0.82	85.94
430	Shell-Thick	SLU-SISMICA	9.4005	50.4710	-0.82	89.40
430	Shell-Thick	SLU-SISMICA	8.3262	41.0245	1.43	89.40
430	Shell-Thick	SLE-RARA	4.4690	20.6483	0.61	53.06
430	Shell-Thick	SLE-RARA	5.4305	25.5239	-0.39	53.06
430	Shell-Thick	SLE-RARA	5.3101	28.1792	-0.39	54.58
430	Shell-Thick	SLE-RARA	4.5563	22.4743	0.61	54.58
430	Shell-Thick	SLE-FREQ.	4.1840	19.3865	0.55	50.52
430	Shell-Thick	SLE-FREQ.	5.1049	24.0375	-0.35	50.52
430	Shell-Thick	SLE-FREQ.	4.9947	26.4602	-0.35	51.89
430	Shell-Thick	SLE-FREQ.	4.2656	21.0438	0.55	51.89
430	Shell-Thick	SLE-QP	3.3291	15.6012	0.35	42.91
430	Shell-Thick	SLE-QP	4.1279	19.5780	-0.25	42.91
430	Shell-Thick	SLE-QP	4.0484	21.3033	-0.25	43.84
430	Shell-Thick	SLE-QP	3.3935	16.7525	0.35	43.84
431	Shell-Thick	SLU-STATICA	5.9160	30.7927	0.72	73.50
431	Shell-Thick	SLU-STATICA	7.9224	37.6819	-0.46	73.50
431	Shell-Thick	SLU-STATICA	7.7961	40.9105	-0.46	75.31
431	Shell-Thick	SLU-STATICA	6.0025	33.1713	0.72	75.31
431	Shell-Thick	SLU-SISMICA	8.0476	41.6601	1.31	89.98
431	Shell-Thick	SLU-SISMICA	10.6267	50.0249	-0.74	89.98
431	Shell-Thick	SLU-SISMICA	10.4249	55.2332	-0.74	93.11
431	Shell-Thick	SLU-SISMICA	8.1631	45.6007	1.31	93.11
431	Shell-Thick	SLE-RARA	4.3766	22.7913	0.52	54.87
431	Shell-Thick	SLE-RARA	5.8684	27.9379	-0.33	54.87
431	Shell-Thick	SLE-RARA	5.7764	30.2858	-0.33	56.18
431	Shell-Thick	SLE-RARA	4.4407	24.5158	0.52	56.18
431	Shell-Thick	SLE-FREQ.	4.0935	21.3363	0.46	52.17
431	Shell-Thick	SLE-FREQ.	5.5014	26.2347	-0.30	52.17
431	Shell-Thick	SLE-FREQ.	5.4179	28.3620	-0.30	53.33
431	Shell-Thick	SLE-FREQ.	4.1536	22.8899	0.46	53.33
431	Shell-Thick	SLE-QP	3.2442	16.9712	0.27	44.05
431	Shell-Thick	SLE-QP	4.4006	21.1252	-0.21	44.05
431	Shell-Thick	SLE-QP	4.3425	22.5907	-0.21	44.79
431	Shell-Thick	SLE-QP	3.2925	18.0122	0.27	44.79
432	Shell-Thick	SLU-STATICA	7.3740	33.8101	0.60	75.63
432	Shell-Thick	SLU-STATICA	8.5592	40.6986	-0.50	75.63
432	Shell-Thick	SLU-STATICA	8.3939	44.0666	-0.50	77.32
432	Shell-Thick	SLU-STATICA	7.5239	35.9205	0.60	77.32
432	Shell-Thick	SLU-SISMICA	10.2984	46.5553	1.17	93.57
432	Shell-Thick	SLU-SISMICA	11.6763	54.9560	-0.82	93.57
432	Shell-Thick	SLU-SISMICA	11.4131	60.4910	-0.82	96.60
432	Shell-Thick	SLU-SISMICA	10.5094	50.1980	1.17	96.60
432	Shell-Thick	SLE-RARA	5.4418	24.9842	0.43	56.41
432	Shell-Thick	SLE-RARA	6.3303	30.1284	-0.36	56.41
432	Shell-Thick	SLE-RARA	6.2099	32.5726	-0.36	57.63
432	Shell-Thick	SLE-RARA	5.5524	26.5069	0.43	57.63
432	Shell-Thick	SLE-FREQ.	5.0673	23.3208	0.37	53.55
432	Shell-Thick	SLE-FREQ.	5.9180	28.2139	-0.33	53.55
432	Shell-Thick	SLE-FREQ.	5.8087	30.4197	-0.33	54.62
432	Shell-Thick	SLE-FREQ.	5.1702	24.6801	0.37	54.62
432	Shell-Thick	SLE-QP	3.9438	18.3305	0.20	44.95
432	Shell-Thick	SLE-QP	4.6813	22.4703	-0.22	44.95
432	Shell-Thick	SLE-QP	4.6050	23.9611	-0.22	45.60
432	Shell-Thick	SLE-QP	4.0234	19.1994	0.20	45.60
433	Shell-Thick	SLU-STATICA	6.7932	36.3445	0.66	77.79
433	Shell-Thick	SLU-STATICA	9.0854	43.6349	-0.43	77.79
433	Shell-Thick	SLU-STATICA	8.9579	46.5817	-0.43	79.45

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433	Shell-Thick	SLU-STATICA	6.8853	38.4146	0.66	79.45
433	Shell-Thick	SLU-SISMICA	9.5463	50.8445	1.26	97.30
433	Shell-Thick	SLU-SISMICA	12.5826	59.8857	-0.72	97.30
433	Shell-Thick	SLU-SISMICA	12.3736	64.8952	-0.72	100.33
433	Shell-Thick	SLU-SISMICA	9.6738	54.5097	1.26	100.33
433	Shell-Thick	SLE-RARA	5.0103	26.8171	0.47	57.97
433	Shell-Thick	SLE-RARA	6.7101	32.2540	-0.31	57.97
433	Shell-Thick	SLE-RARA	6.6176	34.3842	-0.31	59.17
433	Shell-Thick	SLE-RARA	5.0783	28.3063	0.47	59.17
433	Shell-Thick	SLE-FREQ.	4.6605	24.9642	0.41	54.94
433	Shell-Thick	SLE-FREQ.	6.2572	30.1233	-0.28	54.94
433	Shell-Thick	SLE-FREQ.	6.1737	32.0314	-0.28	55.99
433	Shell-Thick	SLE-FREQ.	4.7240	26.2856	0.41	55.99
433	Shell-Thick	SLE-QP	3.6111	19.4058	0.23	45.84
433	Shell-Thick	SLE-QP	4.8987	23.7310	-0.18	45.84
433	Shell-Thick	SLE-QP	4.8421	24.9730	-0.18	46.47
433	Shell-Thick	SLE-QP	3.6608	20.2238	0.23	46.47
434	Shell-Thick	SLU-STATICA	8.7869	39.1637	0.67	79.78
434	Shell-Thick	SLU-STATICA	9.7184	46.3650	-0.53	79.78
434	Shell-Thick	SLU-STATICA	9.5250	49.8519	-0.53	81.62
434	Shell-Thick	SLU-STATICA	8.9602	41.1875	0.67	81.62
434	Shell-Thick	SLU-SISMICA	12.6292	55.6478	1.26	100.81
434	Shell-Thick	SLU-SISMICA	13.6638	64.6062	-0.89	100.81
434	Shell-Thick	SLU-SISMICA	13.3570	70.4977	-0.89	104.10
434	Shell-Thick	SLU-SISMICA	12.8802	59.3135	1.26	104.10
434	Shell-Thick	SLE-RARA	6.4667	28.8545	0.48	59.40
434	Shell-Thick	SLE-RARA	7.1674	34.2236	-0.39	59.40
434	Shell-Thick	SLE-RARA	7.0265	36.7460	-0.39	60.73
434	Shell-Thick	SLE-RARA	6.5942	30.3062	0.48	60.73
434	Shell-Thick	SLE-FREQ.	5.9915	26.7883	0.42	56.21
434	Shell-Thick	SLE-FREQ.	6.6665	31.8807	-0.35	56.21
434	Shell-Thick	SLE-FREQ.	6.5383	34.1433	-0.35	57.38
434	Shell-Thick	SLE-FREQ.	6.1094	28.0693	0.42	57.38
434	Shell-Thick	SLE-QP	4.5659	20.5900	0.24	46.63
434	Shell-Thick	SLE-QP	5.1636	24.8521	-0.23	46.63
434	Shell-Thick	SLE-QP	5.0738	26.3352	-0.23	47.35
434	Shell-Thick	SLE-QP	4.6552	21.3588	0.24	47.35
435	Shell-Thick	SLU-STATICA	7.4876	41.5821	1.03	82.19
435	Shell-Thick	SLU-STATICA	10.2447	49.3067	-0.46	82.19
435	Shell-Thick	SLU-STATICA	10.0853	52.3434	-0.46	84.46
435	Shell-Thick	SLU-STATICA	7.5615	43.6866	1.03	84.46
435	Shell-Thick	SLU-SISMICA	10.8456	59.9349	1.75	104.95
435	Shell-Thick	SLU-SISMICA	14.6000	69.7181	-0.78	104.95
435	Shell-Thick	SLU-SISMICA	14.3461	75.0126	-0.78	108.81
435	Shell-Thick	SLU-SISMICA	10.9537	63.7828	1.75	108.81
435	Shell-Thick	SLE-RARA	5.5063	30.5939	0.74	61.14
435	Shell-Thick	SLE-RARA	7.5458	36.3445	-0.33	61.14
435	Shell-Thick	SLE-RARA	7.4297	38.5331	-0.33	62.78
435	Shell-Thick	SLE-RARA	5.5606	32.1017	0.74	62.78
435	Shell-Thick	SLE-FREQ.	5.0946	28.3313	0.66	57.77
435	Shell-Thick	SLE-FREQ.	7.0018	33.7710	-0.29	57.77
435	Shell-Thick	SLE-FREQ.	6.8964	35.7200	-0.29	59.23
435	Shell-Thick	SLE-FREQ.	5.1447	29.6587	0.66	59.23
435	Shell-Thick	SLE-QP	3.8594	21.5437	0.43	47.63
435	Shell-Thick	SLE-QP	5.3699	26.0504	-0.19	47.63
435	Shell-Thick	SLE-QP	5.2963	27.2809	-0.19	48.58
435	Shell-Thick	SLE-QP	3.8971	22.3296	0.43	48.58
436	Shell-Thick	SLU-STATICA	10.7256	44.6455	1.26	84.76
436	Shell-Thick	SLU-STATICA	11.0346	52.2072	-0.71	84.76
436	Shell-Thick	SLU-STATICA	10.7636	56.7839	-0.71	87.77
436	Shell-Thick	SLU-STATICA	10.9145	47.3864	1.26	87.77
436	Shell-Thick	SLU-SISMICA	15.8014	65.2486	2.01	109.27
436	Shell-Thick	SLU-SISMICA	15.9374	74.8346	-1.16	109.27
436	Shell-Thick	SLU-SISMICA	15.5244	82.4746	-1.16	114.12
436	Shell-Thick	SLU-SISMICA	16.0868	70.1009	2.01	114.12
436	Shell-Thick	SLE-RARA	7.8743	32.8030	0.92	63.00
436	Shell-Thick	SLE-RARA	8.1171	38.4319	-0.52	63.00
436	Shell-Thick	SLE-RARA	7.9188	41.7473	-0.52	65.19
436	Shell-Thick	SLE-RARA	8.0126	34.7747	0.92	65.19

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436	Shell-Thick	SLE-FREQ.	7.2630	30.3011	0.83	59.43
436	Shell-Thick	SLE-FREQ.	7.5140	35.6248	-0.47	59.43
436	Shell-Thick	SLE-FREQ.	7.3323	38.6067	-0.47	61.42
436	Shell-Thick	SLE-FREQ.	7.3900	32.0506	0.83	61.42
436	Shell-Thick	SLE-QP	5.4291	22.7951	0.58	48.73
436	Shell-Thick	SLE-QP	5.7049	27.2035	-0.32	48.73
436	Shell-Thick	SLE-QP	5.5728	29.1849	-0.32	50.10
436	Shell-Thick	SLE-QP	5.5221	23.8783	0.58	50.10
437	Shell-Thick	SLU-STATICA	8.0311	47.6956	2.45	88.49
437	Shell-Thick	SLU-STATICA	11.7560	56.0966	-0.63	88.49
437	Shell-Thick	SLU-STATICA	11.4879	60.1227	-0.63	93.21
437	Shell-Thick	SLU-STATICA	8.0275	50.6624	2.45	93.21
437	Shell-Thick	SLU-SISMICA	11.9845	70.6132	3.61	115.22
437	Shell-Thick	SLU-SISMICA	17.1826	81.4734	-1.05	115.22
437	Shell-Thick	SLU-SISMICA	16.7864	88.3720	-1.05	122.35
437	Shell-Thick	SLU-SISMICA	11.9959	75.8796	3.61	122.35
437	Shell-Thick	SLE-RARA	5.8885	34.9988	1.80	65.72
437	Shell-Thick	SLE-RARA	8.6376	41.2421	-0.46	65.72
437	Shell-Thick	SLE-RARA	8.4408	44.1497	-0.46	69.17
437	Shell-Thick	SLE-RARA	5.8850	37.1324	1.80	69.17
437	Shell-Thick	SLE-FREQ.	5.4184	32.2525	1.66	61.91
437	Shell-Thick	SLE-FREQ.	7.9787	38.1397	-0.42	61.91
437	Shell-Thick	SLE-FREQ.	7.7972	40.7396	-0.42	65.07
437	Shell-Thick	SLE-FREQ.	5.4138	34.1445	1.66	65.07
437	Shell-Thick	SLE-QP	4.0082	24.0135	1.23	50.46
437	Shell-Thick	SLE-QP	6.0019	28.8327	-0.28	50.46
437	Shell-Thick	SLE-QP	5.8665	30.5093	-0.28	52.77
437	Shell-Thick	SLE-QP	4.0001	25.1807	1.23	52.77
438	Shell-Thick	SLU-STATICA	15.0617	52.1533	3.57	93.34
438	Shell-Thick	SLU-STATICA	13.2645	60.3941	-1.41	93.34
438	Shell-Thick	SLU-STATICA	12.7746	69.8014	-1.41	100.95
438	Shell-Thick	SLU-STATICA	15.2268	58.9429	3.57	100.95
438	Shell-Thick	SLU-SISMICA	22.5881	78.1557	4.95	122.58
438	Shell-Thick	SLU-SISMICA	19.6005	88.7772	-2.19	122.58
438	Shell-Thick	SLU-SISMICA	18.9020	103.7355	-2.19	133.48
438	Shell-Thick	SLU-SISMICA	22.8725	89.1863	4.95	133.48
438	Shell-Thick	SLE-RARA	11.0378	38.2229	2.64	69.27
438	Shell-Thick	SLE-RARA	9.7353	44.3487	-1.03	69.27
438	Shell-Thick	SLE-RARA	9.3745	51.2004	-1.03	74.87
438	Shell-Thick	SLE-RARA	11.1570	43.1563	2.64	74.87
438	Shell-Thick	SLE-FREQ.	10.1471	35.1436	2.46	65.16
438	Shell-Thick	SLE-FREQ.	8.9745	40.9226	-0.94	65.16
438	Shell-Thick	SLE-FREQ.	8.6398	47.1492	-0.94	70.35
438	Shell-Thick	SLE-FREQ.	10.2536	39.6068	2.46	70.35
438	Shell-Thick	SLE-QP	7.4751	25.9056	1.92	52.83
438	Shell-Thick	SLE-QP	6.6923	30.6446	-0.67	52.83
438	Shell-Thick	SLE-QP	6.4357	34.9958	-0.67	56.80
438	Shell-Thick	SLE-QP	7.5433	28.9583	1.92	56.80
439	Shell-Thick	SLU-STATICA	8.2116	58.8461	8.62	102.02
439	Shell-Thick	SLU-STATICA	14.9705	68.9343	-1.39	102.02
439	Shell-Thick	SLU-STATICA	14.2562	77.1993	-1.39	117.32
439	Shell-Thick	SLU-STATICA	7.8405	65.7257	8.62	117.32
439	Shell-Thick	SLU-SISMICA	12.7097	89.1432	11.73	135.11
439	Shell-Thick	SLU-SISMICA	22.3230	102.4303	-2.15	135.11
439	Shell-Thick	SLU-SISMICA	21.3469	115.9192	-2.15	156.34
439	Shell-Thick	SLU-SISMICA	12.2481	100.5571	11.73	156.34
439	Shell-Thick	SLE-RARA	5.9982	43.0804	6.38	75.66
439	Shell-Thick	SLE-RARA	10.9774	50.5652	-1.01	75.66
439	Shell-Thick	SLE-RARA	10.4492	56.5676	-1.01	86.96
439	Shell-Thick	SLE-RARA	5.7214	48.0674	6.38	86.96
439	Shell-Thick	SLE-FREQ.	5.4806	39.5283	5.97	71.07
439	Shell-Thick	SLE-FREQ.	10.1025	46.5657	-0.93	71.07
439	Shell-Thick	SLE-FREQ.	9.6088	51.9908	-0.93	81.61
439	Shell-Thick	SLE-FREQ.	5.2181	44.0197	5.97	81.61
439	Shell-Thick	SLE-QP	3.9280	28.8722	4.73	57.32
439	Shell-Thick	SLE-QP	7.4778	34.5673	-0.66	57.32
439	Shell-Thick	SLE-QP	7.0877	38.2605	-0.66	65.56
439	Shell-Thick	SLE-QP	3.7082	31.8769	4.73	65.56
440	Shell-Thick	SLU-STATICA	47.4528	70.6133	29.53	115.16

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440	Shell-Thick	SLU-STATICA	23.7237	82.1276	-8.52	115.16
440	Shell-Thick	SLU-STATICA	21.4865	143.9237	-8.52	173.34
440	Shell-Thick	SLU-STATICA	46.5362	127.0787	29.53	173.34
440	Shell-Thick	SLU-SISMICA	70.9279	108.0125	38.58	153.29
440	Shell-Thick	SLU-SISMICA	35.3618	123.0027	-12.56	153.29
440	Shell-Thick	SLU-SISMICA	32.4366	215.9892	-12.56	231.48
440	Shell-Thick	SLU-SISMICA	69.9479	193.1558	38.58	231.48
440	Shell-Thick	SLE-RARA	34.7871	51.6430	21.93	85.36
440	Shell-Thick	SLE-RARA	17.3965	60.1946	-6.25	85.36
440	Shell-Thick	SLE-RARA	15.7356	105.4658	-6.25	128.45
440	Shell-Thick	SLE-RARA	34.0957	93.0001	21.93	128.45
440	Shell-Thick	SLE-FREQ.	32.0002	47.2962	20.64	80.12
440	Shell-Thick	SLE-FREQ.	16.0111	55.3512	-5.77	80.12
440	Shell-Thick	SLE-FREQ.	14.4477	96.9430	-5.77	120.50
440	Shell-Thick	SLE-FREQ.	31.3311	85.2768	20.64	120.50
440	Shell-Thick	SLE-QP	23.6394	34.2557	16.79	64.41
440	Shell-Thick	SLE-QP	11.8551	40.8213	-4.31	64.41
440	Shell-Thick	SLE-QP	10.5841	71.3747	-4.31	96.66
440	Shell-Thick	SLE-QP	23.0371	62.1069	16.79	96.66
441	Shell-Thick	SLU-STATICA	14.6276	2.6522	42.50	3.08
441	Shell-Thick	SLU-STATICA	13.6750	3.0651	41.10	3.08
441	Shell-Thick	SLU-STATICA	7.3980	1.1940	41.10	6.74
441	Shell-Thick	SLU-STATICA	8.3633	1.0371	42.50	6.74
441	Shell-Thick	SLU-SISMICA	19.2752	3.5580	51.54	4.55
441	Shell-Thick	SLU-SISMICA	17.9241	4.2500	49.53	4.55
441	Shell-Thick	SLU-SISMICA	10.3287	2.0799	49.53	9.78
441	Shell-Thick	SLU-SISMICA	11.7076	1.9407	51.54	9.78
441	Shell-Thick	SLE-RARA	10.8523	1.9645	31.76	2.26
441	Shell-Thick	SLE-RARA	10.1504	2.2635	30.72	2.26
441	Shell-Thick	SLE-RARA	5.4597	0.8606	30.72	4.95
441	Shell-Thick	SLE-RARA	6.1706	0.7409	31.76	4.95
441	Shell-Thick	SLE-FREQ.	10.2028	1.8417	30.23	2.09
441	Shell-Thick	SLE-FREQ.	9.5509	2.1103	29.27	2.09
441	Shell-Thick	SLE-FREQ.	5.0843	0.7666	29.27	4.58
441	Shell-Thick	SLE-FREQ.	5.7436	0.6483	30.23	4.58
441	Shell-Thick	SLE-QP	8.2543	1.4730	25.65	1.56
441	Shell-Thick	SLE-QP	7.7526	1.6507	24.92	1.56
441	Shell-Thick	SLE-QP	3.9579	0.4845	24.92	3.47
441	Shell-Thick	SLE-QP	4.4627	0.3708	25.65	3.47
442	Shell-Thick	SLU-STATICA	9.8973	1.2382	35.25	6.69
442	Shell-Thick	SLU-STATICA	9.2289	1.6659	33.84	6.69
442	Shell-Thick	SLU-STATICA	4.0502	0.8394	33.84	10.35
442	Shell-Thick	SLU-STATICA	4.7112	0.2783	35.25	10.35
442	Shell-Thick	SLU-SISMICA	14.1230	2.1809	43.71	9.67
442	Shell-Thick	SLU-SISMICA	13.1344	2.8839	41.73	9.67
442	Shell-Thick	SLU-SISMICA	6.7266	2.2707	41.73	14.81
442	Shell-Thick	SLU-SISMICA	7.7138	1.5542	43.71	14.81
442	Shell-Thick	SLE-RARA	7.2890	0.8913	26.29	4.92
442	Shell-Thick	SLE-RARA	6.7985	1.2016	25.25	4.92
442	Shell-Thick	SLE-RARA	2.9356	0.5647	25.25	7.62
442	Shell-Thick	SLE-RARA	3.4202	0.1473	26.29	7.62
442	Shell-Thick	SLE-FREQ.	6.7620	0.7918	24.95	4.56
442	Shell-Thick	SLE-FREQ.	6.3099	1.0719	23.98	4.56
442	Shell-Thick	SLE-FREQ.	2.6433	0.4332	23.98	7.07
442	Shell-Thick	SLE-FREQ.	3.0891	0.0388	24.95	7.07
442	Shell-Thick	SLE-QP	5.1810	0.4935	20.92	3.46
442	Shell-Thick	SLE-QP	4.8442	0.6827	20.17	3.46
442	Shell-Thick	SLE-QP	1.7663	0.0385	20.17	5.41
442	Shell-Thick	SLE-QP	2.0959	-0.2866	20.92	5.41
443	Shell-Thick	SLU-STATICA	6.3527	0.5938	29.29	10.35
443	Shell-Thick	SLU-STATICA	6.0062	1.2434	27.93	10.35
443	Shell-Thick	SLU-STATICA	1.7170	0.0379	27.93	13.87
443	Shell-Thick	SLU-STATICA	2.0576	-0.7175	29.29	13.87
443	Shell-Thick	SLU-SISMICA	10.0842	1.9236	37.26	14.76
443	Shell-Thick	SLU-SISMICA	9.5220	2.9344	35.37	14.76
443	Shell-Thick	SLU-SISMICA	4.0740	1.6954	35.37	19.67
443	Shell-Thick	SLU-SISMICA	4.6367	0.7086	37.26	19.67
443	Shell-Thick	SLE-RARA	4.6278	0.3837	21.79	7.62
443	Shell-Thick	SLE-RARA	4.3759	0.8579	20.80	7.62

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443	Shell-Thick	SLE-RARA	1.1836	-0.0539	20.80	10.22
443	Shell-Thick	SLE-RARA	1.4306	-0.6147	21.79	10.22
443	Shell-Thick	SLE-FREQ.	4.2070	0.2649	20.60	7.07
443	Shell-Thick	SLE-FREQ.	3.9791	0.6978	19.67	7.07
443	Shell-Thick	SLE-FREQ.	0.9607	-0.1887	19.67	9.49
443	Shell-Thick	SLE-FREQ.	1.1834	-0.7167	20.60	9.49
443	Shell-Thick	SLE-QP	2.9447	-0.0913	17.02	5.42
443	Shell-Thick	SLE-QP	2.7886	0.2175	16.30	5.42
443	Shell-Thick	SLE-QP	0.2920	-0.5934	16.30	7.30
443	Shell-Thick	SLE-QP	0.4417	-1.0229	17.02	7.30
444	Shell-Thick	SLU-STATICA	3.8207	-0.3100	24.19	13.90
444	Shell-Thick	SLU-STATICA	3.6171	0.3631	22.93	13.90
444	Shell-Thick	SLU-STATICA	0.0950	0.3340	22.93	17.17
444	Shell-Thick	SLU-STATICA	0.2746	-0.7955	24.19	17.17
444	Shell-Thick	SLU-SISMICA	7.0865	1.1965	31.63	19.68
444	Shell-Thick	SLU-SISMICA	6.6989	2.2224	29.87	19.68
444	Shell-Thick	SLU-SISMICA	2.0990	2.6555	29.87	24.28
444	Shell-Thick	SLU-SISMICA	2.4603	1.1315	31.63	24.28
444	Shell-Thick	SLE-RARA	2.7324	-0.3099	17.96	10.24
444	Shell-Thick	SLE-RARA	2.5873	0.1825	17.03	10.24
444	Shell-Thick	SLE-RARA	-0.0279	0.1374	17.03	12.66
444	Shell-Thick	SLE-RARA	0.0992	-0.6988	17.96	12.66
444	Shell-Thick	SLE-FREQ.	2.3966	-0.4261	16.90	9.52
444	Shell-Thick	SLE-FREQ.	2.2702	0.0252	16.04	9.52
444	Shell-Thick	SLE-FREQ.	-0.1919	-0.0568	16.04	11.76
444	Shell-Thick	SLE-FREQ.	-0.0829	-0.8399	16.90	11.76
444	Shell-Thick	SLE-QP	1.3893	-0.7746	13.74	7.33
444	Shell-Thick	SLE-QP	1.3190	-0.4467	13.07	7.33
444	Shell-Thick	SLE-QP	-0.6839	-0.6393	13.07	9.08
444	Shell-Thick	SLE-QP	-0.6291	-1.2634	13.74	9.08
445	Shell-Thick	SLU-STATICA	1.9985	-0.3130	20.09	17.24
445	Shell-Thick	SLU-STATICA	2.0488	0.5870	18.95	17.24
445	Shell-Thick	SLU-STATICA	-0.8696	0.0568	18.95	20.22
445	Shell-Thick	SLU-STATICA	-0.9396	-1.2167	20.09	20.22
445	Shell-Thick	SLU-SISMICA	4.8205	1.7282	27.12	24.34
445	Shell-Thick	SLU-SISMICA	4.7847	3.0680	25.49	24.34
445	Shell-Thick	SLU-SISMICA	0.8484	2.6627	25.49	28.57
445	Shell-Thick	SLU-SISMICA	0.8635	0.9329	27.12	28.57
445	Shell-Thick	SLE-RARA	1.3737	-0.3389	14.87	12.71
445	Shell-Thick	SLE-RARA	1.4162	0.3212	14.03	12.71
445	Shell-Thick	SLE-RARA	-0.7445	-0.0868	14.03	14.91
445	Shell-Thick	SLE-RARA	-0.8018	-1.0290	14.87	14.91
445	Shell-Thick	SLE-FREQ.	1.1079	-0.4983	13.93	11.82
445	Shell-Thick	SLE-FREQ.	1.1564	0.1094	13.15	11.82
445	Shell-Thick	SLE-FREQ.	-0.8674	-0.2988	13.15	13.86
445	Shell-Thick	SLE-FREQ.	-0.9302	-1.1803	13.93	13.86
445	Shell-Thick	SLE-QP	0.3106	-0.9765	11.10	9.13
445	Shell-Thick	SLE-QP	0.3772	-0.5261	10.49	9.13
445	Shell-Thick	SLE-QP	-1.2359	-0.9349	10.49	10.69
445	Shell-Thick	SLE-QP	-1.3155	-1.6342	11.10	10.69
446	Shell-Thick	SLU-STATICA	0.8512	-0.6729	16.56	20.32
446	Shell-Thick	SLU-STATICA	0.9352	0.2321	15.53	20.32
446	Shell-Thick	SLU-STATICA	-1.4534	0.9381	15.53	23.01
446	Shell-Thick	SLU-STATICA	-1.5740	-0.6704	16.56	23.01
446	Shell-Thick	SLU-SISMICA	3.3354	1.6283	23.13	28.68
446	Shell-Thick	SLU-SISMICA	3.3371	2.9594	21.64	28.68
446	Shell-Thick	SLU-SISMICA	0.0027	4.3124	21.64	32.56
446	Shell-Thick	SLU-SISMICA	-0.0455	2.0914	23.13	32.56
446	Shell-Thick	SLE-RARA	0.5212	-0.6245	12.22	14.98
446	Shell-Thick	SLE-RARA	0.5890	0.0400	11.46	14.98
446	Shell-Thick	SLE-RARA	-1.1738	0.5427	11.46	16.96
446	Shell-Thick	SLE-RARA	-1.2688	-0.6456	12.22	16.96
446	Shell-Thick	SLE-FREQ.	0.3042	-0.7982	11.38	13.92
446	Shell-Thick	SLE-FREQ.	0.3770	-0.1851	10.68	13.92
446	Shell-Thick	SLE-FREQ.	-1.2645	0.2520	10.68	15.76
446	Shell-Thick	SLE-FREQ.	-1.3632	-0.8567	11.38	15.76
446	Shell-Thick	SLE-QP	-0.3468	-1.3194	8.86	10.76
446	Shell-Thick	SLE-QP	-0.2587	-0.8605	8.32	10.76
446	Shell-Thick	SLE-QP	-1.5367	-0.6200	8.32	12.15

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446	Shell-Thick	SLE-QP	-1.6462	-1.4898	8.86	12.15
447	Shell-Thick	SLU-STATICA	0.1212	-0.0740	13.82	23.14
447	Shell-Thick	SLU-STATICA	0.4045	1.0522	12.90	23.14
447	Shell-Thick	SLU-STATICA	-1.5846	1.0563	12.90	25.53
447	Shell-Thick	SLU-STATICA	-1.8977	-0.6409	13.82	25.53
447	Shell-Thick	SLU-SISMICA	2.3240	2.8791	20.05	32.71
447	Shell-Thick	SLU-SISMICA	2.6177	4.5216	18.69	32.71
447	Shell-Thick	SLU-SISMICA	-0.2695	4.7520	18.69	36.23
447	Shell-Thick	SLU-SISMICA	-0.6005	2.3950	20.05	36.23
447	Shell-Thick	SLE-RARA	-0.0179	-0.2032	10.16	17.06
447	Shell-Thick	SLE-RARA	0.1962	0.6245	9.48	17.06
447	Shell-Thick	SLE-RARA	-1.2662	0.6163	9.48	18.81
447	Shell-Thick	SLE-RARA	-1.5026	-0.6369	10.16	18.81
447	Shell-Thick	SLE-FREQ.	-0.1985	-0.4409	9.40	15.85
447	Shell-Thick	SLE-FREQ.	0.0095	0.3240	8.77	15.85
447	Shell-Thick	SLE-FREQ.	-1.3431	0.2974	8.77	17.47
447	Shell-Thick	SLE-FREQ.	-1.5721	-0.8707	9.40	17.47
447	Shell-Thick	SLE-QP	-0.7402	-1.1539	7.11	12.23
447	Shell-Thick	SLE-QP	-0.5507	-0.5776	6.64	12.23
447	Shell-Thick	SLE-QP	-1.5737	-0.6593	6.64	13.44
447	Shell-Thick	SLE-QP	-1.7808	-1.5721	7.11	13.44
448	Shell-Thick	SLU-STATICA	-0.1333	6.113E-04	11.42	25.68
448	Shell-Thick	SLU-STATICA	0.1051	1.1056	10.60	25.68
448	Shell-Thick	SLU-STATICA	-1.5236	2.4205	10.60	27.83
448	Shell-Thick	SLU-STATICA	-1.8084	0.4218	11.42	27.83
448	Shell-Thick	SLU-SISMICA	1.9236	3.2673	17.26	36.42
448	Shell-Thick	SLU-SISMICA	2.1552	4.8695	16.02	36.42
448	Shell-Thick	SLU-SISMICA	-0.3104	6.9907	16.02	39.64
448	Shell-Thick	SLU-SISMICA	-0.6047	4.1813	17.26	39.64
448	Shell-Thick	SLE-RARA	-0.2035	-0.1623	8.37	18.92
448	Shell-Thick	SLE-RARA	-0.0225	0.6503	7.76	18.92
448	Shell-Thick	SLE-RARA	-1.2149	1.6065	7.76	20.50
448	Shell-Thick	SLE-RARA	-1.4302	0.1323	8.37	20.50
448	Shell-Thick	SLE-FREQ.	-0.3675	-0.4267	7.68	17.57
448	Shell-Thick	SLE-FREQ.	-0.1904	0.3249	7.12	17.57
448	Shell-Thick	SLE-FREQ.	-1.2847	1.1913	7.12	19.02
448	Shell-Thick	SLE-FREQ.	-1.4939	-0.1799	7.68	19.02
448	Shell-Thick	SLE-QP	-0.8595	-1.2201	5.62	13.53
448	Shell-Thick	SLE-QP	-0.6942	-0.6511	5.21	13.53
448	Shell-Thick	SLE-QP	-1.4939	-0.0543	5.21	14.59
448	Shell-Thick	SLE-QP	-1.6849	-1.1166	5.62	14.59
449	Shell-Thick	SLU-STATICA	-0.1223	1.1083	9.70	28.00
449	Shell-Thick	SLU-STATICA	0.2630	2.4285	8.98	28.00
449	Shell-Thick	SLU-STATICA	-1.1196	2.7871	8.98	29.89
449	Shell-Thick	SLU-STATICA	-1.5421	0.7489	9.70	29.89
449	Shell-Thick	SLU-SISMICA	1.8609	5.1394	15.30	39.87
449	Shell-Thick	SLU-SISMICA	2.3186	7.0515	14.19	39.87
449	Shell-Thick	SLU-SISMICA	0.1319	7.6954	14.19	42.76
449	Shell-Thick	SLU-SISMICA	-0.3762	4.8141	15.30	42.76
449	Shell-Thick	SLE-RARA	-0.1914	0.6390	7.07	20.63
449	Shell-Thick	SLE-RARA	0.0968	1.6099	6.54	20.63
449	Shell-Thick	SLE-RARA	-0.9107	1.8673	6.54	22.01
449	Shell-Thick	SLE-RARA	-1.2266	0.3649	7.07	22.01
449	Shell-Thick	SLE-FREQ.	-0.3497	0.2919	6.44	19.14
449	Shell-Thick	SLE-FREQ.	-0.0745	1.1902	5.95	19.14
449	Shell-Thick	SLE-FREQ.	-0.9911	1.4179	5.95	20.41
449	Shell-Thick	SLE-FREQ.	-1.2922	0.0218	6.44	20.41
449	Shell-Thick	SLE-QP	-0.8245	-0.7492	4.54	14.69
449	Shell-Thick	SLE-QP	-0.5885	-0.0686	4.18	14.69
449	Shell-Thick	SLE-QP	-1.2323	0.0697	4.18	15.61
449	Shell-Thick	SLE-QP	-1.4889	-1.0074	4.54	15.61
450	Shell-Thick	SLU-STATICA	0.2640	1.4799	8.20	30.08
450	Shell-Thick	SLU-STATICA	0.5599	2.7531	7.54	30.08
450	Shell-Thick	SLU-STATICA	-0.5939	4.5062	7.54	31.78
450	Shell-Thick	SLU-STATICA	-0.9438	2.1909	8.20	31.78
450	Shell-Thick	SLU-SISMICA	2.3223	5.8569	13.50	43.02
450	Shell-Thick	SLU-SISMICA	2.6604	7.6980	12.48	43.02
450	Shell-Thick	SLU-SISMICA	0.7495	10.3792	12.48	45.69
450	Shell-Thick	SLU-SISMICA	0.3355	7.0747	13.50	45.69



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450	Shell-Thick	SLE-RARA	0.0975	0.9033	5.95	22.15
450	Shell-Thick	SLE-RARA	0.3196	1.8398	5.47	22.15
450	Shell-Thick	SLE-RARA	-0.5169	3.1219	5.47	23.39
450	Shell-Thick	SLE-RARA	-0.7789	1.4168	5.95	23.39
450	Shell-Thick	SLE-FREQ.	-0.0740	0.5214	5.37	20.54
450	Shell-Thick	SLE-FREQ.	0.1391	1.3881	4.93	20.54
450	Shell-Thick	SLE-FREQ.	-0.6146	2.5623	4.93	21.67
450	Shell-Thick	SLE-FREQ.	-0.8648	0.9805	5.37	21.67
450	Shell-Thick	SLE-QP	-0.5887	-0.6246	3.62	15.71
450	Shell-Thick	SLE-QP	-0.4024	0.0328	3.31	15.71
450	Shell-Thick	SLE-QP	-0.9076	0.8834	3.31	16.51
450	Shell-Thick	SLE-QP	-1.1226	-0.3284	3.62	16.51
451	Shell-Thick	SLU-STATICA	0.8886	2.9766	7.34	31.99
451	Shell-Thick	SLU-STATICA	1.2712	4.4600	6.77	31.99
451	Shell-Thick	SLU-STATICA	0.2341	4.9619	6.77	33.47
451	Shell-Thick	SLU-STATICA	-0.1915	2.6478	7.34	33.47
451	Shell-Thick	SLU-SISMICA	3.1239	8.2156	12.54	45.98
451	Shell-Thick	SLU-SISMICA	3.6036	10.3668	11.62	45.98
451	Shell-Thick	SLU-SISMICA	1.8221	11.1505	11.62	48.35
451	Shell-Thick	SLU-SISMICA	1.2816	7.8296	12.54	48.35
451	Shell-Thick	SLE-RARA	0.5620	1.9944	5.30	23.55
451	Shell-Thick	SLE-RARA	0.8470	3.0853	4.89	23.55
451	Shell-Thick	SLE-RARA	0.0983	3.4515	4.89	24.62
451	Shell-Thick	SLE-RARA	-0.2185	1.7482	5.30	24.62
451	Shell-Thick	SLE-FREQ.	0.3644	1.5147	4.75	21.82
451	Shell-Thick	SLE-FREQ.	0.6344	2.5238	4.37	21.82
451	Shell-Thick	SLE-FREQ.	-0.0346	2.8578	4.37	22.79
451	Shell-Thick	SLE-FREQ.	-0.3341	1.2792	4.75	22.79
451	Shell-Thick	SLE-QP	-0.2282	0.0755	3.07	16.63
451	Shell-Thick	SLE-QP	-0.0033	0.8393	2.81	16.63
451	Shell-Thick	SLE-QP	-0.4334	1.0768	2.81	17.30
451	Shell-Thick	SLE-QP	-0.6812	-0.1277	3.07	17.30
452	Shell-Thick	SLU-STATICA	1.8710	3.4962	6.64	33.69
452	Shell-Thick	SLU-STATICA	2.1605	4.9112	6.13	33.69
452	Shell-Thick	SLU-STATICA	1.2322	6.8434	6.13	35.02
452	Shell-Thick	SLU-STATICA	0.8828	4.2724	6.64	35.02
452	Shell-Thick	SLU-SISMICA	4.4518	9.0780	11.68	48.66
452	Shell-Thick	SLU-SISMICA	4.8096	11.1336	10.84	48.66
452	Shell-Thick	SLU-SISMICA	3.1633	14.0225	10.84	50.85
452	Shell-Thick	SLU-SISMICA	2.7193	10.3057	11.68	50.85
452	Shell-Thick	SLE-RARA	1.2891	2.3711	4.78	24.78
452	Shell-Thick	SLE-RARA	1.5051	3.4114	4.41	24.78
452	Shell-Thick	SLE-RARA	0.8375	4.8279	4.41	25.75
452	Shell-Thick	SLE-RARA	0.5774	2.9367	4.78	25.75
452	Shell-Thick	SLE-FREQ.	1.0453	1.8540	4.25	22.94
452	Shell-Thick	SLE-FREQ.	1.2503	2.8160	3.92	22.94
452	Shell-Thick	SLE-FREQ.	0.6581	4.1188	3.92	23.82
452	Shell-Thick	SLE-FREQ.	0.4123	2.3685	4.25	23.82
452	Shell-Thick	SLE-QP	0.3136	0.3024	2.66	17.42
452	Shell-Thick	SLE-QP	0.4859	1.0295	2.43	17.42
452	Shell-Thick	SLE-QP	0.1201	1.9918	2.43	18.01
452	Shell-Thick	SLE-QP	-0.0832	0.6638	2.66	18.01
453	Shell-Thick	SLU-STATICA	3.1899	5.2056	6.64	35.26
453	Shell-Thick	SLU-STATICA	3.5005	6.8253	6.22	35.26
453	Shell-Thick	SLU-STATICA	2.5602	7.1533	6.22	36.34
453	Shell-Thick	SLU-STATICA	2.2022	4.6195	6.64	36.34
453	Shell-Thick	SLU-SISMICA	6.2846	11.6911	11.74	51.18
453	Shell-Thick	SLU-SISMICA	6.6879	14.0551	11.03	51.18
453	Shell-Thick	SLU-SISMICA	5.0137	14.5319	11.03	53.03
453	Shell-Thick	SLU-SISMICA	4.5421	10.8506	11.74	53.03
453	Shell-Thick	SLE-RARA	2.2630	3.6214	4.77	25.92
453	Shell-Thick	SLE-RARA	2.4937	4.8116	4.47	25.92
453	Shell-Thick	SLE-RARA	1.8177	5.0527	4.47	26.71
453	Shell-Thick	SLE-RARA	1.5521	3.1899	4.77	26.71
453	Shell-Thick	SLE-FREQ.	1.9528	2.9991	4.24	23.97
453	Shell-Thick	SLE-FREQ.	2.1703	4.0988	3.97	23.97
453	Shell-Thick	SLE-FREQ.	1.5712	4.3218	3.97	24.68
453	Shell-Thick	SLE-FREQ.	1.3216	2.5992	4.24	24.68
453	Shell-Thick	SLE-QP	1.0225	1.1323	2.62	18.13



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453	Shell-Thick	SLE-QP	1.2000	1.9604	2.45	18.13
453	Shell-Thick	SLE-QP	0.8319	2.1289	2.45	18.59
453	Shell-Thick	SLE-QP	0.6299	0.8270	2.62	18.59
454	Shell-Thick	SLU-STATICA	4.9262	5.6559	6.80	36.59
454	Shell-Thick	SLU-STATICA	5.2119	7.1920	6.46	36.59
454	Shell-Thick	SLU-STATICA	4.2486	8.8098	6.46	37.47
454	Shell-Thick	SLU-STATICA	3.8996	6.0498	6.80	37.47
454	Shell-Thick	SLU-SISMICA	8.7426	12.3960	11.96	53.38
454	Shell-Thick	SLU-SISMICA	9.1259	14.6490	11.35	53.38
454	Shell-Thick	SLU-SISMICA	7.4235	17.0306	11.35	54.96
454	Shell-Thick	SLU-SISMICA	6.9481	12.9985	11.96	54.96
454	Shell-Thick	SLE-RARA	3.5426	3.9499	4.90	26.89
454	Shell-Thick	SLE-RARA	3.7542	5.0781	4.65	26.89
454	Shell-Thick	SLE-RARA	3.0611	6.2659	4.65	27.52
454	Shell-Thick	SLE-RARA	2.8030	4.2379	4.90	27.52
454	Shell-Thick	SLE-FREQ.	3.1416	3.2986	4.35	24.84
454	Shell-Thick	SLE-FREQ.	3.3400	4.3401	4.14	24.84
454	Shell-Thick	SLE-FREQ.	2.7247	5.4358	4.14	25.41
454	Shell-Thick	SLE-FREQ.	2.4833	3.5624	4.35	25.41
454	Shell-Thick	SLE-QP	1.9387	1.3447	2.72	18.71
454	Shell-Thick	SLE-QP	2.0973	2.1260	2.59	18.71
454	Shell-Thick	SLE-QP	1.7155	2.9456	2.59	19.06
454	Shell-Thick	SLE-QP	1.5244	1.5357	2.72	19.06
455	Shell-Thick	SLU-STATICA	7.1841	7.2172	7.73	37.72
455	Shell-Thick	SLU-STATICA	7.4851	8.9465	7.55	37.72
455	Shell-Thick	SLU-STATICA	6.3636	8.5182	7.55	38.21
455	Shell-Thick	SLU-STATICA	6.0137	5.8427	7.73	38.21
455	Shell-Thick	SLU-SISMICA	11.9851	14.7405	13.21	55.33
455	Shell-Thick	SLU-SISMICA	12.4050	17.2922	12.81	55.33
455	Shell-Thick	SLU-SISMICA	10.4888	16.6095	12.81	56.36
455	Shell-Thick	SLU-SISMICA	9.9978	12.6826	13.21	56.36
455	Shell-Thick	SLE-RARA	5.2045	5.0939	5.59	27.71
455	Shell-Thick	SLE-RARA	5.4266	6.3633	5.46	27.71
455	Shell-Thick	SLE-RARA	4.6164	6.0514	5.46	28.05
455	Shell-Thick	SLE-RARA	4.3583	4.0865	5.59	28.05
455	Shell-Thick	SLE-FREQ.	4.6816	4.3501	5.00	25.58
455	Shell-Thick	SLE-FREQ.	4.8885	5.5206	4.89	25.58
455	Shell-Thick	SLE-FREQ.	4.1635	5.2372	4.89	25.86
455	Shell-Thick	SLE-FREQ.	3.9235	3.4236	5.00	25.86
455	Shell-Thick	SLE-QP	3.1130	2.1184	3.23	19.19
455	Shell-Thick	SLE-QP	3.2741	2.9923	3.19	19.19
455	Shell-Thick	SLE-QP	2.8050	2.7947	3.19	19.32
455	Shell-Thick	SLE-QP	2.6188	1.4350	3.23	19.32
456	Shell-Thick	SLU-STATICA	9.8467	7.1468	8.86	38.47
456	Shell-Thick	SLU-STATICA	10.3679	8.7816	8.84	38.47
456	Shell-Thick	SLU-STATICA	9.0709	9.3077	8.84	38.52
456	Shell-Thick	SLU-STATICA	8.4879	6.4763	8.86	38.52
456	Shell-Thick	SLU-SISMICA	15.8326	14.6238	14.65	56.73
456	Shell-Thick	SLU-SISMICA	16.5967	17.0569	14.48	56.73
456	Shell-Thick	SLU-SISMICA	14.4561	17.7875	14.48	57.18
456	Shell-Thick	SLU-SISMICA	13.6019	13.6126	14.65	57.18
456	Shell-Thick	SLE-RARA	7.1630	5.0429	6.43	28.24
456	Shell-Thick	SLE-RARA	7.5458	6.2418	6.42	28.24
456	Shell-Thick	SLE-RARA	6.6051	6.6303	6.42	28.26
456	Shell-Thick	SLE-RARA	6.1768	4.5518	6.43	28.26
456	Shell-Thick	SLE-FREQ.	6.4944	4.3041	5.79	26.04
456	Shell-Thick	SLE-FREQ.	6.8479	5.4078	5.80	26.04
456	Shell-Thick	SLE-FREQ.	5.9997	5.7700	5.80	26.03
456	Shell-Thick	SLE-FREQ.	5.6043	3.8531	5.79	26.03
456	Shell-Thick	SLE-QP	4.4888	2.0876	3.89	19.45
456	Shell-Thick	SLE-QP	4.7541	2.9059	3.93	19.45
456	Shell-Thick	SLE-QP	4.1834	3.1889	3.93	19.34
456	Shell-Thick	SLE-QP	3.8865	1.7570	3.89	19.34
457	Shell-Thick	SLU-STATICA	12.9140	7.8898	10.71	38.78
457	Shell-Thick	SLU-STATICA	13.6168	9.6886	10.98	38.78
457	Shell-Thick	SLU-STATICA	12.0116	8.0221	10.98	38.08
457	Shell-Thick	SLU-STATICA	11.2644	5.3627	10.71	38.08
457	Shell-Thick	SLU-SISMICA	20.2882	15.7071	17.10	57.55
457	Shell-Thick	SLU-SISMICA	21.3334	18.4058	17.32	57.55

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457	Shell-Thick	SLU-SISMICA	18.7838	15.8569	17.32	56.97
457	Shell-Thick	SLU-SISMICA	17.6744	11.9125	17.10	56.97
457	Shell-Thick	SLE-RARA	9.4180	5.5890	7.80	28.45
457	Shell-Thick	SLE-RARA	9.9335	6.9071	8.01	28.45
457	Shell-Thick	SLE-RARA	8.7642	5.6883	8.01	27.91
457	Shell-Thick	SLE-RARA	8.2161	3.7372	7.80	27.91
457	Shell-Thick	SLE-FREQ.	8.5798	4.8087	7.08	26.20
457	Shell-Thick	SLE-FREQ.	9.0544	6.0204	7.29	26.20
457	Shell-Thick	SLE-FREQ.	7.9916	4.9042	7.29	25.67
457	Shell-Thick	SLE-FREQ.	7.4868	3.1067	7.08	25.67
457	Shell-Thick	SLE-QP	6.0651	2.4680	4.93	19.47
457	Shell-Thick	SLE-QP	6.4172	3.3603	5.13	19.47
457	Shell-Thick	SLE-QP	5.6737	2.5518	5.13	18.95
457	Shell-Thick	SLE-QP	5.2987	1.2155	4.93	18.95
458	Shell-Thick	SLU-STATICA	15.6614	6.7840	12.60	38.34
458	Shell-Thick	SLU-STATICA	16.9382	8.4654	13.20	38.34
458	Shell-Thick	SLU-STATICA	15.0291	7.9054	13.20	36.77
458	Shell-Thick	SLU-STATICA	13.7012	5.2297	12.60	36.77
458	Shell-Thick	SLU-SISMICA	24.2710	14.0048	19.53	57.34
458	Shell-Thick	SLU-SISMICA	26.1831	16.5639	20.20	57.34
458	Shell-Thick	SLU-SISMICA	23.2395	15.6559	20.20	55.61
458	Shell-Thick	SLU-SISMICA	21.2536	11.6630	19.53	55.61
458	Shell-Thick	SLE-RARA	11.4383	4.7808	9.20	28.10
458	Shell-Thick	SLE-RARA	12.3741	6.0111	9.65	28.10
458	Shell-Thick	SLE-RARA	10.9790	5.6041	9.65	26.93
458	Shell-Thick	SLE-RARA	10.0057	3.6422	9.20	26.93
458	Shell-Thick	SLE-FREQ.	10.4487	4.0695	8.40	25.85
458	Shell-Thick	SLE-FREQ.	11.3092	5.1973	8.84	25.85
458	Shell-Thick	SLE-FREQ.	10.0336	4.8290	8.84	24.72
458	Shell-Thick	SLE-FREQ.	9.1383	3.0237	8.40	24.72
458	Shell-Thick	SLE-QP	7.4800	1.9356	6.01	19.08
458	Shell-Thick	SLE-QP	8.1146	2.7561	6.40	19.08
458	Shell-Thick	SLE-QP	7.1973	2.5036	6.40	18.08
458	Shell-Thick	SLE-QP	6.5362	1.1682	6.01	18.08
459	Shell-Thick	SLU-STATICA	17.7181	6.4959	14.78	37.00
459	Shell-Thick	SLU-STATICA	19.1473	8.2662	15.81	37.00
459	Shell-Thick	SLU-STATICA	16.8678	6.4453	15.81	34.32
459	Shell-Thick	SLU-STATICA	15.4082	4.0789	14.78	34.32
459	Shell-Thick	SLU-SISMICA	27.2443	13.5101	22.42	55.92
459	Shell-Thick	SLU-SISMICA	29.3900	16.2371	23.68	55.92
459	Shell-Thick	SLU-SISMICA	25.9533	13.4223	23.68	52.65
459	Shell-Thick	SLU-SISMICA	23.7645	9.8514	22.42	52.65
459	Shell-Thick	SLE-RARA	12.9511	4.5727	10.82	27.09
459	Shell-Thick	SLE-RARA	13.9983	5.8665	11.59	27.09
459	Shell-Thick	SLE-RARA	12.3287	4.5363	11.59	25.09
459	Shell-Thick	SLE-RARA	11.2590	2.8031	10.82	25.09
459	Shell-Thick	SLE-FREQ.	11.8489	3.8835	9.92	24.87
459	Shell-Thick	SLE-FREQ.	12.8114	5.0668	10.66	24.87
459	Shell-Thick	SLE-FREQ.	11.2781	3.8510	10.66	22.96
459	Shell-Thick	SLE-FREQ.	10.2947	2.2596	9.92	22.96
459	Shell-Thick	SLE-QP	8.5423	1.8160	7.24	18.20
459	Shell-Thick	SLE-QP	9.2507	2.6677	7.86	18.20
459	Shell-Thick	SLE-QP	8.1262	1.7954	7.86	16.59
459	Shell-Thick	SLE-QP	7.4017	0.6291	7.24	16.59
460	Shell-Thick	SLU-STATICA	17.9948	5.0163	16.42	34.52
460	Shell-Thick	SLU-STATICA	19.7867	6.6090	17.81	34.52
460	Shell-Thick	SLU-STATICA	17.2346	6.5450	17.81	30.88
460	Shell-Thick	SLU-STATICA	15.4118	4.3441	16.42	30.88
460	Shell-Thick	SLU-SISMICA	27.5957	11.1988	24.56	52.92
460	Shell-Thick	SLU-SISMICA	30.2963	13.7098	26.32	52.92
460	Shell-Thick	SLU-SISMICA	26.5016	13.4851	26.32	48.33
460	Shell-Thick	SLU-SISMICA	23.7576	10.1223	24.56	48.33
460	Shell-Thick	SLE-RARA	13.1570	3.4930	12.03	25.24
460	Shell-Thick	SLE-RARA	14.4695	4.6541	13.07	25.24
460	Shell-Thick	SLE-RARA	12.5976	4.6136	13.07	22.53
460	Shell-Thick	SLE-RARA	11.2623	3.0038	12.03	22.53
460	Shell-Thick	SLE-FREQ.	12.0436	2.8988	11.07	23.10
460	Shell-Thick	SLE-FREQ.	13.2490	3.9558	12.05	23.10
460	Shell-Thick	SLE-FREQ.	11.5254	3.9295	12.05	20.54

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460	Shell-Thick	SLE-FREQ.	10.2987	2.4549	11.07	20.54
460	Shell-Thick	SLE-QP	8.7033	1.1162	8.17	16.70
460	Shell-Thick	SLE-QP	9.5877	1.8609	8.99	16.70
460	Shell-Thick	SLE-QP	8.3088	1.8772	8.99	14.57
460	Shell-Thick	SLE-QP	7.4080	0.8081	8.17	14.57
461	Shell-Thick	SLU-STATICA	13.4221	2.1257	41.17	3.70
461	Shell-Thick	SLU-STATICA	11.9600	2.6448	38.71	3.70
461	Shell-Thick	SLU-STATICA	5.9697	1.5103	38.71	7.96
461	Shell-Thick	SLU-STATICA	7.4273	1.0148	41.17	7.96
461	Shell-Thick	SLU-SISMICA	17.5693	2.8349	49.61	5.22
461	Shell-Thick	SLU-SISMICA	15.5103	3.6130	46.22	5.22
461	Shell-Thick	SLU-SISMICA	8.3321	2.5640	46.22	11.08
461	Shell-Thick	SLU-SISMICA	10.3693	1.9246	49.61	11.08
461	Shell-Thick	SLE-RARA	9.9638	1.5754	30.78	2.73
461	Shell-Thick	SLE-RARA	8.8856	1.9558	28.96	2.73
461	Shell-Thick	SLE-RARA	4.4058	1.0919	28.96	5.88
461	Shell-Thick	SLE-RARA	5.4813	0.7236	30.78	5.88
461	Shell-Thick	SLE-FREQ.	9.3773	1.4783	29.32	2.54
461	Shell-Thick	SLE-FREQ.	8.3748	1.8280	27.63	2.54
461	Shell-Thick	SLE-FREQ.	4.1030	0.9784	27.63	5.47
461	Shell-Thick	SLE-FREQ.	5.1044	0.6310	29.32	5.47
461	Shell-Thick	SLE-QP	7.6178	1.1869	24.97	1.97
461	Shell-Thick	SLE-QP	6.8423	1.4446	23.63	1.97
461	Shell-Thick	SLE-QP	3.1947	0.6378	23.63	4.27
461	Shell-Thick	SLE-QP	3.9736	0.3532	24.97	4.27
462	Shell-Thick	SLU-STATICA	8.9663	1.1955	34.04	7.87
462	Shell-Thick	SLU-STATICA	8.0830	2.0600	31.60	7.87
462	Shell-Thick	SLU-STATICA	3.1587	0.8262	31.60	12.08
462	Shell-Thick	SLU-STATICA	4.0419	-0.0449	34.04	12.08
462	Shell-Thick	SLU-SISMICA	12.7676	2.1707	41.99	10.92
462	Shell-Thick	SLU-SISMICA	11.4463	3.4204	38.67	10.92
462	Shell-Thick	SLU-SISMICA	5.4033	2.2075	38.67	16.65
462	Shell-Thick	SLU-SISMICA	6.7084	1.0588	41.99	16.65
462	Shell-Thick	SLE-RARA	6.6047	0.8573	25.39	5.81
462	Shell-Thick	SLE-RARA	5.9572	1.4932	23.59	5.81
462	Shell-Thick	SLE-RARA	2.2817	0.5573	23.59	8.93
462	Shell-Thick	SLE-RARA	2.9299	-0.0890	25.39	8.93
462	Shell-Thick	SLE-FREQ.	6.1294	0.7560	24.11	5.42
462	Shell-Thick	SLE-FREQ.	5.5339	1.3446	22.43	5.42
462	Shell-Thick	SLE-FREQ.	2.0409	0.4300	22.43	8.33
462	Shell-Thick	SLE-FREQ.	2.6385	-0.1775	24.11	8.33
462	Shell-Thick	SLE-QP	4.7037	0.4521	20.28	4.24
462	Shell-Thick	SLE-QP	4.2641	0.8987	18.94	4.24
462	Shell-Thick	SLE-QP	1.3188	0.0482	18.94	6.54
462	Shell-Thick	SLE-QP	1.7644	-0.4431	20.28	6.54
463	Shell-Thick	SLU-STATICA	5.7271	0.2110	28.02	12.03
463	Shell-Thick	SLU-STATICA	5.2175	1.3191	25.73	12.03
463	Shell-Thick	SLU-STATICA	1.1695	0.9724	25.73	15.99
463	Shell-Thick	SLU-STATICA	1.7105	-0.3571	28.02	15.99
463	Shell-Thick	SLU-SISMICA	9.1293	1.3780	35.46	16.54
463	Shell-Thick	SLU-SISMICA	8.2682	2.9455	32.34	16.54
463	Shell-Thick	SLU-SISMICA	3.1667	2.9881	32.34	21.95
463	Shell-Thick	SLU-SISMICA	4.0577	1.2071	35.46	21.95
463	Shell-Thick	SLE-RARA	4.1702	0.1018	20.86	8.89
463	Shell-Thick	SLE-RARA	3.8015	0.9185	19.17	8.89
463	Shell-Thick	SLE-RARA	0.7866	0.6364	19.17	11.82
463	Shell-Thick	SLE-RARA	1.1792	-0.3485	20.86	11.82
463	Shell-Thick	SLE-FREQ.	3.7878	0.0033	19.74	8.30
463	Shell-Thick	SLE-FREQ.	3.4571	0.7622	18.15	8.30
463	Shell-Thick	SLE-FREQ.	0.6031	0.4550	18.15	11.04
463	Shell-Thick	SLE-FREQ.	0.9572	-0.4684	19.74	11.04
463	Shell-Thick	SLE-QP	2.6405	-0.2919	16.36	6.53
463	Shell-Thick	SLE-QP	2.4238	0.2933	15.10	6.53
463	Shell-Thick	SLE-QP	0.0525	-0.0890	15.10	8.70
463	Shell-Thick	SLE-QP	0.2913	-0.8283	16.36	8.70
464	Shell-Thick	SLU-STATICA	3.3546	-0.0389	23.14	15.99
464	Shell-Thick	SLU-STATICA	3.2729	1.4037	21.04	15.99
464	Shell-Thick	SLU-STATICA	-0.0571	0.8775	21.04	19.62
464	Shell-Thick	SLU-STATICA	0.0548	-0.7779	23.14	19.62

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464	Shell-Thick	SLU-SISMICA	6.3262	1.6003	30.16	21.92
464	Shell-Thick	SLU-SISMICA	6.0334	3.6220	27.26	21.92
464	Shell-Thick	SLU-SISMICA	1.7112	3.3087	27.26	26.92
464	Shell-Thick	SLU-SISMICA	2.0327	1.0823	30.16	26.92
464	Shell-Thick	SLE-RARA	2.3938	-0.1111	17.19	11.82
464	Shell-Thick	SLE-RARA	2.3425	0.9531	15.64	11.82
464	Shell-Thick	SLE-RARA	-0.1314	0.5438	15.64	14.50
464	Shell-Thick	SLE-RARA	-0.0570	-0.6821	17.19	14.50
464	Shell-Thick	SLE-FREQ.	2.0906	-0.2431	16.19	11.04
464	Shell-Thick	SLE-FREQ.	2.0578	0.7473	14.74	11.04
464	Shell-Thick	SLE-FREQ.	-0.2735	0.3306	14.74	13.55
464	Shell-Thick	SLE-FREQ.	-0.2182	-0.8181	16.19	13.55
464	Shell-Thick	SLE-QP	1.1809	-0.6390	13.19	8.71
464	Shell-Thick	SLE-QP	1.2040	0.1299	12.05	8.71
464	Shell-Thick	SLE-QP	-0.6997	-0.3090	12.05	10.68
464	Shell-Thick	SLE-QP	-0.7016	-1.2263	13.19	10.68
465	Shell-Thick	SLU-STATICA	1.7847	-0.4080	19.03	19.65
465	Shell-Thick	SLU-STATICA	1.8716	1.2394	17.14	19.65
465	Shell-Thick	SLU-STATICA	-0.8710	1.6394	17.14	22.91
465	Shell-Thick	SLU-STATICA	-0.8990	-0.4157	19.03	22.91
465	Shell-Thick	SLU-SISMICA	4.4036	1.5479	25.59	26.92
465	Shell-Thick	SLU-SISMICA	4.3205	3.8392	22.95	26.92
465	Shell-Thick	SLU-SISMICA	0.6432	4.8164	22.95	31.49
465	Shell-Thick	SLU-SISMICA	0.7982	2.0264	25.59	31.49
465	Shell-Thick	SLE-RARA	1.2219	-0.4066	14.09	14.53
465	Shell-Thick	SLE-RARA	1.2962	0.8096	12.70	14.53
465	Shell-Thick	SLE-RARA	-0.7354	1.0840	12.70	16.94
465	Shell-Thick	SLE-RARA	-0.7658	-0.4366	14.09	16.94
465	Shell-Thick	SLE-FREQ.	0.9765	-0.5573	13.20	13.57
465	Shell-Thick	SLE-FREQ.	1.0630	0.5760	11.91	13.57
465	Shell-Thick	SLE-FREQ.	-0.8417	0.7961	11.91	15.81
465	Shell-Thick	SLE-FREQ.	-0.8864	-0.6265	13.20	15.81
465	Shell-Thick	SLE-QP	0.2405	-1.0095	10.54	10.70
465	Shell-Thick	SLE-QP	0.3633	-0.1249	9.53	10.70
465	Shell-Thick	SLE-QP	-1.1607	-0.0673	9.53	12.45
465	Shell-Thick	SLE-QP	-1.2482	-1.1963	10.54	12.45
466	Shell-Thick	SLU-STATICA	0.6985	-0.0021	15.75	22.99
466	Shell-Thick	SLU-STATICA	1.1110	1.9417	14.07	22.99
466	Shell-Thick	SLU-STATICA	-1.1528	2.0013	14.07	25.90
466	Shell-Thick	SLU-STATICA	-1.5126	-0.3074	15.75	25.90
466	Shell-Thick	SLU-SISMICA	2.9903	2.5617	21.95	31.57
466	Shell-Thick	SLU-SISMICA	3.3709	5.2650	19.56	31.57
466	Shell-Thick	SLU-SISMICA	0.2246	5.6527	19.56	35.71
466	Shell-Thick	SLU-SISMICA	-0.0918	2.5032	21.95	35.71
466	Shell-Thick	SLE-RARA	0.4151	-0.1293	11.63	16.99
466	Shell-Thick	SLE-RARA	0.7293	1.3058	10.39	16.99
466	Shell-Thick	SLE-RARA	-0.9422	1.3346	10.39	19.13
466	Shell-Thick	SLE-RARA	-1.2170	-0.3730	11.63	19.13
466	Shell-Thick	SLE-FREQ.	0.2165	-0.3368	10.83	15.87
466	Shell-Thick	SLE-FREQ.	0.5255	1.0005	9.68	15.87
466	Shell-Thick	SLE-FREQ.	-1.0321	1.0016	9.68	17.85
466	Shell-Thick	SLE-FREQ.	-1.3037	-0.5948	10.83	17.85
466	Shell-Thick	SLE-QP	-0.3792	-0.9594	8.44	12.50
466	Shell-Thick	SLE-QP	-0.0856	0.0845	7.56	12.50
466	Shell-Thick	SLE-QP	-1.3020	0.0026	7.56	14.02
466	Shell-Thick	SLE-QP	-1.5640	-1.2601	8.44	14.02
467	Shell-Thick	SLU-STATICA	0.1722	0.1418	12.96	25.99
467	Shell-Thick	SLU-STATICA	0.5992	2.2395	11.47	25.99
467	Shell-Thick	SLU-STATICA	-1.2739	3.2717	11.47	28.57
467	Shell-Thick	SLU-STATICA	-1.6210	0.6237	12.96	28.57
467	Shell-Thick	SLU-SISMICA	2.2713	3.1021	18.78	35.82
467	Shell-Thick	SLU-SISMICA	2.6707	6.0157	16.60	35.82
467	Shell-Thick	SLU-SISMICA	-0.0365	7.7824	16.60	39.57
467	Shell-Thick	SLU-SISMICA	-0.3298	4.1378	18.78	39.57
467	Shell-Thick	SLE-RARA	0.0259	-0.0400	9.53	19.20
467	Shell-Thick	SLE-RARA	0.3508	1.5088	8.44	19.20
467	Shell-Thick	SLE-RARA	-1.0269	2.2544	8.44	21.10
467	Shell-Thick	SLE-RARA	-1.2926	0.2975	9.53	21.10
467	Shell-Thick	SLE-FREQ.	-0.1472	-0.2823	8.82	17.92

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467	Shell-Thick	SLE-FREQ.	0.1719	1.1613	7.81	17.92
467	Shell-Thick	SLE-FREQ.	-1.1033	1.8281	7.81	19.67
467	Shell-Thick	SLE-FREQ.	-1.3668	0.0014	8.82	19.67
467	Shell-Thick	SLE-QP	-0.6667	-1.0092	6.68	14.08
467	Shell-Thick	SLE-QP	-0.3648	0.1186	5.92	14.08
467	Shell-Thick	SLE-QP	-1.3324	0.5493	5.92	15.40
467	Shell-Thick	SLE-QP	-1.5895	-0.8870	6.68	15.40
468	Shell-Thick	SLU-STATICA	-0.0947	1.1067	10.84	28.70
468	Shell-Thick	SLU-STATICA	0.5770	3.4641	9.52	28.70
468	Shell-Thick	SLU-STATICA	-0.9850	3.9363	9.52	30.98
468	Shell-Thick	SLU-STATICA	-1.5874	1.1017	10.84	30.98
468	Shell-Thick	SLU-SISMICA	1.8520	4.8006	16.37	39.75
468	Shell-Thick	SLU-SISMICA	2.6232	8.0878	14.41	39.75
468	Shell-Thick	SLU-SISMICA	0.2679	8.9636	14.41	43.14
468	Shell-Thick	SLU-SISMICA	-0.4110	5.0403	16.37	43.14
468	Shell-Thick	SLE-RARA	-0.1687	0.6545	7.94	21.20
468	Shell-Thick	SLE-RARA	0.3353	2.3946	6.97	21.20
468	Shell-Thick	SLE-RARA	-0.8088	2.7322	6.97	22.87
468	Shell-Thick	SLE-RARA	-1.2614	0.6386	7.94	22.87
468	Shell-Thick	SLE-FREQ.	-0.3245	0.3348	7.29	19.77
468	Shell-Thick	SLE-FREQ.	0.1589	1.9555	6.40	19.77
468	Shell-Thick	SLE-FREQ.	-0.8918	2.2517	6.40	21.31
468	Shell-Thick	SLE-FREQ.	-1.3270	0.2992	7.29	21.31
468	Shell-Thick	SLE-QP	-0.7920	-0.6243	5.34	15.48
468	Shell-Thick	SLE-QP	-0.3704	0.6385	4.68	15.48
468	Shell-Thick	SLE-QP	-1.1408	0.8102	4.68	16.62
468	Shell-Thick	SLE-QP	-1.5237	-0.7191	5.34	16.62
469	Shell-Thick	SLU-STATICA	0.0680	1.6154	9.02	31.12
469	Shell-Thick	SLU-STATICA	0.6476	4.0802	7.85	31.12
469	Shell-Thick	SLU-STATICA	-0.6663	5.6031	7.85	33.16
469	Shell-Thick	SLU-STATICA	-1.1494	2.4763	9.02	33.16
469	Shell-Thick	SLU-SISMICA	2.0189	5.7635	14.25	43.33
469	Shell-Thick	SLU-SISMICA	2.6702	9.2068	12.45	43.33
469	Shell-Thick	SLU-SISMICA	0.5998	11.6026	12.45	46.43
469	Shell-Thick	SLU-SISMICA	0.0826	7.2380	14.25	46.43
469	Shell-Thick	SLE-RARA	-0.0456	1.0174	6.58	22.97
469	Shell-Thick	SLE-RARA	0.3899	2.8363	5.72	22.97
469	Shell-Thick	SLE-RARA	-0.5679	3.9468	5.72	24.46
469	Shell-Thick	SLE-RARA	-0.9323	1.6391	6.58	24.46
469	Shell-Thick	SLE-FREQ.	-0.2048	0.6514	5.99	21.41
469	Shell-Thick	SLE-FREQ.	0.2141	2.3451	5.20	21.41
469	Shell-Thick	SLE-FREQ.	-0.6580	3.3564	5.20	22.77
469	Shell-Thick	SLE-FREQ.	-1.0106	1.2074	5.99	22.77
469	Shell-Thick	SLE-QP	-0.6824	-0.4465	4.21	16.70
469	Shell-Thick	SLE-QP	-0.3134	0.8713	3.64	16.70
469	Shell-Thick	SLE-QP	-0.9281	1.5853	3.64	17.69
469	Shell-Thick	SLE-QP	-1.2454	-0.0878	4.21	17.69
470	Shell-Thick	SLU-STATICA	0.4020	3.0279	7.80	33.34
470	Shell-Thick	SLU-STATICA	1.1471	5.7245	6.76	33.34
470	Shell-Thick	SLU-STATICA	0.0136	6.4229	6.76	35.13
470	Shell-Thick	SLU-STATICA	-0.6496	3.1634	7.80	35.13
470	Shell-Thick	SLU-SISMICA	2.4132	8.0321	12.85	46.68
470	Shell-Thick	SLU-SISMICA	3.3312	11.8209	11.23	46.68
470	Shell-Thick	SLU-SISMICA	1.4668	12.9548	11.23	49.48
470	Shell-Thick	SLU-SISMICA	0.6634	8.3784	12.85	49.48
470	Shell-Thick	SLE-RARA	0.2044	2.0450	5.66	24.60
470	Shell-Thick	SLE-RARA	0.7604	4.0339	4.90	24.60
470	Shell-Thick	SLE-RARA	-0.0621	4.5414	4.90	25.90
470	Shell-Thick	SLE-RARA	-0.5576	2.1372	5.66	25.90
470	Shell-Thick	SLE-FREQ.	0.0341	1.5834	5.10	22.89
470	Shell-Thick	SLE-FREQ.	0.5621	3.4334	4.41	22.89
470	Shell-Thick	SLE-FREQ.	-0.1800	3.8927	4.41	24.08
470	Shell-Thick	SLE-FREQ.	-0.6518	1.6560	5.10	24.08
470	Shell-Thick	SLE-QP	-0.4769	0.1983	3.44	17.79
470	Shell-Thick	SLE-QP	-0.0326	1.6320	2.95	17.79
470	Shell-Thick	SLE-QP	-0.5337	1.9463	2.95	18.63
470	Shell-Thick	SLE-QP	-0.9342	0.2121	3.44	18.63
471	Shell-Thick	SLU-STATICA	1.1177	3.7568	6.80	35.31
471	Shell-Thick	SLU-STATICA	1.7136	6.5230	5.86	35.31

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471	Shell-Thick	SLU-STATICA	0.7093	8.3611	5.86	36.93
471	Shell-Thick	SLU-STATICA	0.2231	4.8425	6.80	36.93
471	Shell-Thick	SLU-SISMICA	3.3622	9.2478	11.66	49.74
471	Shell-Thick	SLU-SISMICA	4.0830	13.1485	10.15	49.74
471	Shell-Thick	SLU-SISMICA	2.3682	15.9524	10.15	52.33
471	Shell-Thick	SLU-SISMICA	1.8045	10.9740	11.66	52.33
471	Shell-Thick	SLE-RARA	0.7351	2.5731	4.91	26.04
471	Shell-Thick	SLE-RARA	1.1804	4.6126	4.23	26.04
471	Shell-Thick	SLE-RARA	0.4548	5.9573	4.23	27.22
471	Shell-Thick	SLE-RARA	0.0902	3.3639	4.91	27.22
471	Shell-Thick	SLE-FREQ.	0.5325	2.0584	4.39	24.21
471	Shell-Thick	SLE-FREQ.	0.9566	3.9544	3.77	24.21
471	Shell-Thick	SLE-FREQ.	0.3073	5.1865	3.77	25.28
471	Shell-Thick	SLE-FREQ.	-0.0420	2.7770	4.39	25.28
471	Shell-Thick	SLE-QP	-0.0752	0.5143	2.83	18.73
471	Shell-Thick	SLE-QP	0.2852	1.9797	2.40	18.73
471	Shell-Thick	SLE-QP	-0.1354	2.8743	2.40	19.47
471	Shell-Thick	SLE-QP	-0.4385	1.0165	2.83	19.47
472	Shell-Thick	SLU-STATICA	2.0535	5.4970	6.40	37.15
472	Shell-Thick	SLU-STATICA	2.7176	8.4743	5.59	37.15
472	Shell-Thick	SLU-STATICA	1.7723	9.1721	5.59	38.56
472	Shell-Thick	SLU-STATICA	1.2003	5.5631	6.40	38.56
472	Shell-Thick	SLU-SISMICA	4.6375	11.9453	11.24	52.64
472	Shell-Thick	SLU-SISMICA	5.4837	16.1708	9.90	52.64
472	Shell-Thick	SLU-SISMICA	3.8313	17.2566	9.90	54.96
472	Shell-Thick	SLU-SISMICA	3.1176	12.1217	11.24	54.96
472	Shell-Thick	SLE-RARA	1.4273	3.8441	4.61	27.38
472	Shell-Thick	SLE-RARA	1.9214	6.0378	4.02	27.38
472	Shell-Thick	SLE-RARA	1.2403	6.5473	4.02	28.40
472	Shell-Thick	SLE-RARA	0.8140	3.8886	4.61	28.40
472	Shell-Thick	SLE-FREQ.	1.1797	3.2193	4.10	25.43
472	Shell-Thick	SLE-FREQ.	1.6467	5.2565	3.56	25.43
472	Shell-Thick	SLE-FREQ.	1.0405	5.7215	3.56	26.35
472	Shell-Thick	SLE-FREQ.	0.6364	3.2537	4.10	26.35
472	Shell-Thick	SLE-QP	0.4371	1.3452	2.56	19.59
472	Shell-Thick	SLE-QP	0.8226	2.9123	2.20	19.59
472	Shell-Thick	SLE-QP	0.4412	3.2440	2.20	20.21
472	Shell-Thick	SLE-QP	0.1035	1.3491	2.56	20.21
473	Shell-Thick	SLU-STATICA	3.4024	6.2944	6.22	38.78
473	Shell-Thick	SLU-STATICA	3.9238	9.3115	5.49	38.78
473	Shell-Thick	SLU-STATICA	2.9854	11.1539	5.49	40.05
473	Shell-Thick	SLU-STATICA	2.5842	7.3136	6.22	40.05
473	Shell-Thick	SLU-SISMICA	6.5305	13.2152	11.04	55.27
473	Shell-Thick	SLU-SISMICA	7.1901	17.5173	9.80	55.27
473	Shell-Thick	SLU-SISMICA	5.5394	20.2899	9.80	57.41
473	Shell-Thick	SLU-SISMICA	5.0546	14.7894	11.04	57.41
473	Shell-Thick	SLE-RARA	2.4223	4.4247	4.47	28.56
473	Shell-Thick	SLE-RARA	2.8105	6.6469	3.94	28.56
473	Shell-Thick	SLE-RARA	2.1349	7.9966	3.94	29.48
473	Shell-Thick	SLE-RARA	1.8350	5.1693	4.47	29.48
473	Shell-Thick	SLE-FREQ.	2.1055	3.7468	3.97	26.51
473	Shell-Thick	SLE-FREQ.	2.4727	5.8086	3.49	26.51
473	Shell-Thick	SLE-FREQ.	1.8723	7.0486	3.49	27.33
473	Shell-Thick	SLE-FREQ.	1.5868	4.4275	3.97	27.33
473	Shell-Thick	SLE-QP	1.1551	1.7133	2.45	20.33
473	Shell-Thick	SLE-QP	1.4596	3.2939	2.14	20.33
473	Shell-Thick	SLE-QP	1.0847	4.2047	2.14	20.86
473	Shell-Thick	SLE-QP	0.8419	2.2020	2.45	20.86
474	Shell-Thick	SLU-STATICA	5.1796	8.1585	6.73	40.29
474	Shell-Thick	SLU-STATICA	5.6732	11.3656	6.16	40.29
474	Shell-Thick	SLU-STATICA	4.6558	11.6367	6.16	41.28
474	Shell-Thick	SLU-STATICA	4.2617	7.7478	6.73	41.28
474	Shell-Thick	SLU-SISMICA	9.0683	16.0563	11.76	57.76
474	Shell-Thick	SLU-SISMICA	9.7104	20.6600	10.74	57.76
474	Shell-Thick	SLU-SISMICA	7.9496	21.0786	10.74	59.52
474	Shell-Thick	SLU-SISMICA	7.4526	15.4802	11.76	59.52
474	Shell-Thick	SLE-RARA	3.7310	5.7885	4.85	29.66
474	Shell-Thick	SLE-RARA	4.0976	8.1491	4.44	29.66
474	Shell-Thick	SLE-RARA	3.3638	8.3471	4.44	30.37

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474	Shell-Thick	SLE-RARA	3.0703	5.4855	4.85	30.37
474	Shell-Thick	SLE-FREQ.	3.3195	4.9968	4.32	27.49
474	Shell-Thick	SLE-FREQ.	3.6648	7.1844	3.96	27.49
474	Shell-Thick	SLE-FREQ.	3.0101	7.3653	3.96	28.12
474	Shell-Thick	SLE-FREQ.	2.7324	4.7148	4.32	28.12
474	Shell-Thick	SLE-QP	2.0847	2.6214	2.72	20.99
474	Shell-Thick	SLE-QP	2.3664	4.2901	2.50	20.99
474	Shell-Thick	SLE-QP	1.9493	4.4201	2.50	21.38
474	Shell-Thick	SLE-QP	1.7186	2.4026	2.72	21.38
475	Shell-Thick	SLU-STATICA	7.4715	8.7388	7.53	41.54
475	Shell-Thick	SLU-STATICA	7.9929	11.9550	7.12	41.54
475	Shell-Thick	SLU-STATICA	6.8316	13.0891	7.12	42.24
475	Shell-Thick	SLU-STATICA	6.4353	9.0171	7.53	42.24
475	Shell-Thick	SLU-SISMICA	12.3772	16.9640	12.79	59.89
475	Shell-Thick	SLU-SISMICA	13.0854	21.6070	11.99	59.89
475	Shell-Thick	SLU-SISMICA	11.1349	23.2994	11.99	61.26
475	Shell-Thick	SLU-SISMICA	10.6097	17.4034	12.79	61.26
475	Shell-Thick	SLE-RARA	5.4170	6.2119	5.44	30.56
475	Shell-Thick	SLE-RARA	5.8028	8.5779	5.15	30.56
475	Shell-Thick	SLE-RARA	4.9621	9.4094	5.15	31.06
475	Shell-Thick	SLE-RARA	4.6683	6.4148	5.44	31.06
475	Shell-Thick	SLE-FREQ.	4.8803	5.3828	4.87	28.30
475	Shell-Thick	SLE-FREQ.	5.2412	7.5731	4.62	28.30
475	Shell-Thick	SLE-FREQ.	4.4861	8.3383	4.62	28.73
475	Shell-Thick	SLE-FREQ.	4.2102	5.5674	4.87	28.73
475	Shell-Thick	SLE-QP	3.2702	2.8954	3.17	21.52
475	Shell-Thick	SLE-QP	3.5564	4.5590	3.04	21.52
475	Shell-Thick	SLE-QP	3.0581	5.1251	3.04	21.74
475	Shell-Thick	SLE-QP	2.8357	3.0253	3.17	21.74
476	Shell-Thick	SLU-STATICA	10.4367	10.1932	9.10	42.52
476	Shell-Thick	SLU-STATICA	11.0520	13.5573	9.03	42.52
476	Shell-Thick	SLU-STATICA	9.6421	12.5611	9.03	42.65
476	Shell-Thick	SLU-STATICA	9.1263	8.5166	9.10	42.65
476	Shell-Thick	SLU-SISMICA	16.6920	19.1561	14.88	61.66
476	Shell-Thick	SLU-SISMICA	17.5619	24.0486	14.54	61.66
476	Shell-Thick	SLU-SISMICA	15.2825	22.5593	14.54	62.24
476	Shell-Thick	SLU-SISMICA	14.5578	16.6733	14.88	62.24
476	Shell-Thick	SLE-RARA	7.5966	7.2772	6.61	31.26
476	Shell-Thick	SLE-RARA	8.0501	9.7502	6.57	31.26
476	Shell-Thick	SLE-RARA	7.0251	9.0199	6.57	31.34
476	Shell-Thick	SLE-RARA	6.6447	6.0470	6.61	31.34
476	Shell-Thick	SLE-FREQ.	6.8952	6.3612	5.97	28.92
476	Shell-Thick	SLE-FREQ.	7.3167	8.6476	5.95	28.92
476	Shell-Thick	SLE-FREQ.	6.3884	7.9758	5.95	28.95
476	Shell-Thick	SLE-FREQ.	6.0345	5.2276	5.97	28.95
476	Shell-Thick	SLE-QP	4.7911	3.6132	4.06	21.89
476	Shell-Thick	SLE-QP	5.1162	5.3398	4.11	21.89
476	Shell-Thick	SLE-QP	4.4781	4.8436	4.11	21.80
476	Shell-Thick	SLE-QP	4.2039	2.7693	4.06	21.80
477	Shell-Thick	SLU-STATICA	13.6951	9.8688	10.95	42.96
477	Shell-Thick	SLU-STATICA	14.9471	13.1836	11.29	42.96
477	Shell-Thick	SLU-STATICA	13.2207	12.7091	11.29	42.37
477	Shell-Thick	SLU-STATICA	12.0851	8.6007	10.95	42.37
477	Shell-Thick	SLU-SISMICA	21.4417	18.6746	17.27	62.70
477	Shell-Thick	SLU-SISMICA	23.2792	23.5341	17.49	62.70
477	Shell-Thick	SLU-SISMICA	20.5863	22.8176	17.49	62.32
477	Shell-Thick	SLU-SISMICA	18.9182	16.8014	17.27	62.32
477	Shell-Thick	SLE-RARA	9.9913	7.0393	7.98	31.57
477	Shell-Thick	SLE-RARA	10.9108	9.4740	8.25	31.57
477	Shell-Thick	SLE-RARA	9.6509	9.1265	8.25	31.11
477	Shell-Thick	SLE-RARA	8.8169	6.1085	7.98	31.11
477	Shell-Thick	SLE-FREQ.	9.1084	6.1420	7.26	29.17
477	Shell-Thick	SLE-FREQ.	9.9570	8.3898	7.53	29.17
477	Shell-Thick	SLE-FREQ.	8.8076	8.0708	7.53	28.70
477	Shell-Thick	SLE-FREQ.	8.0379	5.2840	7.26	28.70
477	Shell-Thick	SLE-QP	6.4594	3.4503	5.11	21.97
477	Shell-Thick	SLE-QP	7.0957	5.1372	5.39	21.97
477	Shell-Thick	SLE-QP	6.2778	4.9035	5.39	21.48
477	Shell-Thick	SLE-QP	5.7011	2.8103	5.11	21.48



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478	Shell-Thick	SLU-STATICA	17.0876	10.0400	13.40	42.69
478	Shell-Thick	SLU-STATICA	18.8593	13.3980	14.40	42.69
478	Shell-Thick	SLU-STATICA	16.7327	11.0661	14.40	40.95
478	Shell-Thick	SLU-STATICA	15.0432	7.1485	13.40	40.95
478	Shell-Thick	SLU-SISMICA	26.3930	18.9133	20.52	62.77
478	Shell-Thick	SLU-SISMICA	29.0174	23.8869	21.62	62.77
478	Shell-Thick	SLU-SISMICA	25.7966	20.3929	21.62	60.85
478	Shell-Thick	SLU-SISMICA	23.2908	14.6124	20.52	60.85
478	Shell-Thick	SLE-RARA	12.4843	7.1656	9.80	31.34
478	Shell-Thick	SLE-RARA	13.7843	9.6296	10.55	31.34
478	Shell-Thick	SLE-RARA	12.2274	7.9205	10.55	30.04
478	Shell-Thick	SLE-RARA	10.9879	5.0448	9.80	30.04
478	Shell-Thick	SLE-FREQ.	11.4117	6.2597	8.97	28.92
478	Shell-Thick	SLE-FREQ.	12.6097	8.5302	9.70	28.92
478	Shell-Thick	SLE-FREQ.	11.1810	6.9588	9.70	27.66
478	Shell-Thick	SLE-FREQ.	10.0392	4.3070	8.97	27.66
478	Shell-Thick	SLE-QP	8.1941	3.5420	6.49	21.65
478	Shell-Thick	SLE-QP	9.0857	5.2319	7.14	21.65
478	Shell-Thick	SLE-QP	8.0419	4.0734	7.14	20.53
478	Shell-Thick	SLE-QP	7.1930	2.0937	6.49	20.53
479	Shell-Thick	SLU-STATICA	19.2922	8.4795	15.70	41.29
479	Shell-Thick	SLU-STATICA	22.0789	11.6541	17.44	41.29
479	Shell-Thick	SLU-STATICA	19.5505	10.6099	17.44	38.30
479	Shell-Thick	SLU-STATICA	16.8487	6.8608	15.70	38.30
479	Shell-Thick	SLU-SISMICA	29.5866	16.5426	23.54	61.33
479	Shell-Thick	SLU-SISMICA	33.7338	21.3093	25.63	61.33
479	Shell-Thick	SLU-SISMICA	29.9847	19.7162	25.63	57.71
479	Shell-Thick	SLU-SISMICA	25.9588	14.1270	23.54	57.71
479	Shell-Thick	SLE-RARA	14.1055	6.0236	11.51	30.29
479	Shell-Thick	SLE-RARA	16.1493	8.3497	12.80	30.29
479	Shell-Thick	SLE-RARA	14.2943	7.5858	12.80	28.05
479	Shell-Thick	SLE-RARA	12.3130	4.8367	11.51	28.05
479	Shell-Thick	SLE-FREQ.	12.9117	5.2124	10.58	27.90
479	Shell-Thick	SLE-FREQ.	14.7933	7.3504	11.81	27.90
479	Shell-Thick	SLE-FREQ.	13.0843	6.6504	11.81	25.76
479	Shell-Thick	SLE-FREQ.	11.2607	4.1203	10.58	25.76
479	Shell-Thick	SLE-QP	9.3304	2.7789	7.80	20.72
479	Shell-Thick	SLE-QP	10.7253	4.3523	8.85	20.72
479	Shell-Thick	SLE-QP	9.4545	3.8442	8.85	18.90
479	Shell-Thick	SLE-QP	8.1039	1.9711	7.80	18.90
480	Shell-Thick	SLU-STATICA	20.0112	7.8561	17.85	38.56
480	Shell-Thick	SLU-STATICA	22.6846	10.8739	20.32	38.56
480	Shell-Thick	SLU-STATICA	19.7987	9.4177	20.32	34.28
480	Shell-Thick	SLU-STATICA	17.1703	6.0991	17.85	34.28
480	Shell-Thick	SLU-SISMICA	30.6029	15.5423	26.40	58.06
480	Shell-Thick	SLU-SISMICA	34.5958	20.1519	29.51	58.06
480	Shell-Thick	SLU-SISMICA	30.3705	17.8999	29.51	52.69
480	Shell-Thick	SLU-SISMICA	26.4396	12.8754	26.40	52.69
480	Shell-Thick	SLE-RARA	14.6355	5.5699	13.10	28.24
480	Shell-Thick	SLE-RARA	16.5955	7.7773	14.94	28.24
480	Shell-Thick	SLE-RARA	14.4755	6.7135	14.94	25.06
480	Shell-Thick	SLE-RARA	12.5488	4.2839	13.10	25.06
480	Shell-Thick	SLE-FREQ.	13.4042	4.8009	12.07	25.94
480	Shell-Thick	SLE-FREQ.	15.2074	6.8231	13.82	25.94
480	Shell-Thick	SLE-FREQ.	13.2498	5.8509	13.82	22.93
480	Shell-Thick	SLE-FREQ.	11.4776	3.6214	12.07	22.93
480	Shell-Thick	SLE-QP	9.7103	2.4939	9.00	19.05
480	Shell-Thick	SLE-QP	11.0433	3.9604	10.44	19.05
480	Shell-Thick	SLE-QP	9.5727	3.2631	10.44	16.54
480	Shell-Thick	SLE-QP	8.2641	1.6339	9.00	16.54
481	Shell-Thick	SLU-STATICA	11.6242	1.9293	38.93	4.54
481	Shell-Thick	SLU-STATICA	10.2445	2.5877	36.01	4.54
481	Shell-Thick	SLU-STATICA	4.6293	1.2442	36.01	9.59
481	Shell-Thick	SLU-STATICA	5.9950	0.6730	38.93	9.59
481	Shell-Thick	SLU-SISMICA	15.0587	2.5983	46.50	6.10
481	Shell-Thick	SLU-SISMICA	13.1519	3.5316	42.63	6.10
481	Shell-Thick	SLU-SISMICA	6.4823	2.1459	42.63	12.80
481	Shell-Thick	SLU-SISMICA	8.3549	1.4350	46.50	12.80
481	Shell-Thick	SLE-RARA	8.6370	1.4286	29.12	3.36



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481	Shell-Thick	SLE-RARA	7.6178	1.9137	26.96	3.36
481	Shell-Thick	SLE-RARA	3.4155	0.8978	26.96	7.11
481	Shell-Thick	SLE-RARA	4.4251	0.4720	29.12	7.11
481	Shell-Thick	SLE-FREQ.	8.1418	1.3384	27.78	3.15
481	Shell-Thick	SLE-FREQ.	7.1910	1.7890	25.75	3.15
481	Shell-Thick	SLE-FREQ.	3.1790	0.8016	25.75	6.67
481	Shell-Thick	SLE-FREQ.	4.1220	0.3978	27.78	6.67
481	Shell-Thick	SLE-QP	6.6561	1.0678	23.76	2.52
481	Shell-Thick	SLE-QP	5.9108	1.4147	22.12	2.52
481	Shell-Thick	SLE-QP	2.4696	0.5129	22.12	5.35
481	Shell-Thick	SLE-QP	3.2129	0.1750	23.76	5.35
482	Shell-Thick	SLU-STATICA	7.7187	0.8766	31.75	9.50
482	Shell-Thick	SLU-STATICA	6.8664	1.8327	28.95	9.50
482	Shell-Thick	SLU-STATICA	2.3014	1.3922	28.95	14.34
482	Shell-Thick	SLU-STATICA	3.1760	0.2746	31.75	14.34
482	Shell-Thick	SLU-SISMICA	10.9546	1.7140	38.85	12.63
482	Shell-Thick	SLU-SISMICA	9.6747	3.0252	35.14	12.63
482	Shell-Thick	SLU-SISMICA	4.1152	2.9468	35.14	19.04
482	Shell-Thick	SLU-SISMICA	5.4129	1.5029	38.85	19.04
482	Shell-Thick	SLE-RARA	5.6875	0.6225	23.71	7.04
482	Shell-Thick	SLE-RARA	5.0630	1.3293	21.63	7.04
482	Shell-Thick	SLE-RARA	1.6535	0.9775	21.63	10.63
482	Shell-Thick	SLE-RARA	2.2952	0.1469	23.71	10.63
482	Shell-Thick	SLE-FREQ.	5.2813	0.5383	22.54	6.61
482	Shell-Thick	SLE-FREQ.	4.7074	1.1985	20.58	6.61
482	Shell-Thick	SLE-FREQ.	1.4636	0.8256	20.58	9.99
482	Shell-Thick	SLE-FREQ.	2.0547	0.0423	22.54	9.99
482	Shell-Thick	SLE-QP	4.0629	0.2858	19.04	5.31
482	Shell-Thick	SLE-QP	3.6405	0.8062	17.46	5.31
482	Shell-Thick	SLE-QP	0.8941	0.3700	17.46	8.04
482	Shell-Thick	SLE-QP	1.3335	-0.2714	19.04	8.04
483	Shell-Thick	SLU-STATICA	4.8492	0.5437	25.98	14.30
483	Shell-Thick	SLU-STATICA	4.5304	1.9036	23.39	14.30
483	Shell-Thick	SLU-STATICA	0.8155	1.3581	23.39	18.77
483	Shell-Thick	SLU-STATICA	1.1563	-0.1595	25.98	18.77
483	Shell-Thick	SLU-SISMICA	7.7661	1.8420	32.67	18.95
483	Shell-Thick	SLU-SISMICA	7.1625	3.6879	29.22	18.95
483	Shell-Thick	SLU-SISMICA	2.5112	3.3745	29.22	24.90
483	Shell-Thick	SLU-SISMICA	3.1314	1.4053	32.67	24.90
483	Shell-Thick	SLE-RARA	3.5291	0.3473	19.35	10.61
483	Shell-Thick	SLE-RARA	3.3017	1.3535	17.44	10.61
483	Shell-Thick	SLE-RARA	0.5335	0.9286	17.44	13.92
483	Shell-Thick	SLE-RARA	0.7777	-0.1988	19.35	13.92
483	Shell-Thick	SLE-FREQ.	3.2024	0.2320	18.33	9.96
483	Shell-Thick	SLE-FREQ.	3.0040	1.1735	16.53	9.96
483	Shell-Thick	SLE-FREQ.	0.3809	0.7400	16.53	13.07
483	Shell-Thick	SLE-FREQ.	0.5962	-0.3225	18.33	13.07
483	Shell-Thick	SLE-QP	2.2222	-0.1138	15.25	8.03
483	Shell-Thick	SLE-QP	2.1109	0.6335	13.80	8.03
483	Shell-Thick	SLE-QP	-0.0766	0.1742	13.80	10.53
483	Shell-Thick	SLE-QP	0.0517	-0.6936	15.25	10.53
484	Shell-Thick	SLU-STATICA	2.9043	0.1675	21.19	18.77
484	Shell-Thick	SLU-STATICA	2.8317	1.7840	18.87	18.77
484	Shell-Thick	SLU-STATICA	-0.2010	2.1857	18.87	22.78
484	Shell-Thick	SLU-STATICA	-0.0736	0.1880	21.19	22.78
484	Shell-Thick	SLU-SISMICA	5.5222	1.8131	27.44	24.87
484	Shell-Thick	SLU-SISMICA	5.2077	3.9842	24.31	24.87
484	Shell-Thick	SLU-SISMICA	1.2922	4.9911	24.31	30.28
484	Shell-Thick	SLU-SISMICA	1.6719	2.3651	27.44	30.28
484	Shell-Thick	SLE-RARA	2.0702	0.0449	15.74	13.92
484	Shell-Thick	SLE-RARA	2.0273	1.2422	14.03	13.92
484	Shell-Thick	SLE-RARA	-0.2267	1.5165	14.03	16.89
484	Shell-Thick	SLE-RARA	-0.1428	0.0340	15.74	16.89
484	Shell-Thick	SLE-FREQ.	1.8040	-0.0914	14.84	13.07
484	Shell-Thick	SLE-FREQ.	1.7821	1.0307	13.23	13.07
484	Shell-Thick	SLE-FREQ.	-0.3438	1.2485	13.23	15.85
484	Shell-Thick	SLE-FREQ.	-0.2827	-0.1458	14.84	15.85
484	Shell-Thick	SLE-QP	1.0055	-0.5005	12.14	10.54
484	Shell-Thick	SLE-QP	1.0463	0.3964	10.85	10.54

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484	Shell-Thick	SLE-QP	-0.6952	0.4447	10.85	12.76
484	Shell-Thick	SLE-QP	-0.7025	-0.6850	12.14	12.76
485	Shell-Thick	SLU-STATICA	1.5205	0.5666	17.40	22.83
485	Shell-Thick	SLU-STATICA	1.8603	2.5382	15.34	22.83
485	Shell-Thick	SLU-STATICA	-0.6201	2.6640	15.34	26.38
485	Shell-Thick	SLU-STATICA	-0.9113	0.3547	17.40	26.38
485	Shell-Thick	SLU-SISMICA	3.8247	2.8460	23.30	30.33
485	Shell-Thick	SLU-SISMICA	4.0774	5.4979	20.47	30.33
485	Shell-Thick	SLU-SISMICA	0.7649	6.0098	20.47	35.21
485	Shell-Thick	SLU-SISMICA	0.5691	2.9602	23.30	35.21
485	Shell-Thick	SLE-RARA	1.0373	0.3158	12.89	16.93
485	Shell-Thick	SLE-RARA	1.2991	1.7758	11.37	16.93
485	Shell-Thick	SLE-RARA	-0.5389	1.8520	11.37	19.55
485	Shell-Thick	SLE-RARA	-0.7643	0.1389	12.89	19.55
485	Shell-Thick	SLE-FREQ.	0.8224	0.1207	12.08	15.89
485	Shell-Thick	SLE-FREQ.	1.0849	1.4888	10.67	15.89
485	Shell-Thick	SLE-FREQ.	-0.6394	1.5313	10.67	18.34
485	Shell-Thick	SLE-FREQ.	-0.8671	-0.0786	12.08	18.34
485	Shell-Thick	SLE-QP	0.1775	-0.4646	9.68	12.79
485	Shell-Thick	SLE-QP	0.4422	0.6278	8.56	12.79
485	Shell-Thick	SLE-QP	-0.9410	0.5695	8.56	14.72
485	Shell-Thick	SLE-QP	-1.1756	-0.7313	9.68	14.72
486	Shell-Thick	SLU-STATICA	0.7735	0.7744	14.20	26.45
486	Shell-Thick	SLU-STATICA	1.1535	2.9360	12.40	26.45
486	Shell-Thick	SLU-STATICA	-0.8819	4.0461	12.40	29.57
486	Shell-Thick	SLU-STATICA	-1.1822	1.3344	14.20	29.57
486	Shell-Thick	SLU-SISMICA	2.8845	3.5076	19.73	35.29
486	Shell-Thick	SLU-SISMICA	3.1773	6.4080	17.19	35.29
486	Shell-Thick	SLU-SISMICA	0.3559	8.3134	17.19	39.68
486	Shell-Thick	SLU-SISMICA	0.1675	4.6922	19.73	39.68
486	Shell-Thick	SLE-RARA	0.4809	0.4506	10.49	19.60
486	Shell-Thick	SLE-RARA	0.7732	2.0518	9.16	19.60
486	Shell-Thick	SLE-RARA	-0.7299	2.8533	9.16	21.90
486	Shell-Thick	SLE-RARA	-0.9630	0.8439	10.49	21.90
486	Shell-Thick	SLE-FREQ.	0.2956	0.2149	9.77	18.39
486	Shell-Thick	SLE-FREQ.	0.5878	1.7158	8.54	18.39
486	Shell-Thick	SLE-FREQ.	-0.8136	2.4322	8.54	20.53
486	Shell-Thick	SLE-FREQ.	-1.0502	0.5471	9.77	20.53
486	Shell-Thick	SLE-QP	-0.2605	-0.4923	7.64	14.76
486	Shell-Thick	SLE-QP	0.0317	0.7081	6.68	14.76
486	Shell-Thick	SLE-QP	-1.0648	1.1691	6.68	16.42
486	Shell-Thick	SLE-QP	-1.3117	-0.3432	7.64	16.42
487	Shell-Thick	SLU-STATICA	0.2871	1.7917	11.74	29.70
487	Shell-Thick	SLU-STATICA	1.0014	4.2593	10.16	29.70
487	Shell-Thick	SLU-STATICA	-0.6753	4.8563	10.16	32.43
487	Shell-Thick	SLU-STATICA	-1.3217	1.9198	11.74	32.43
487	Shell-Thick	SLU-SISMICA	2.2121	5.3064	16.98	39.84
487	Shell-Thick	SLU-SISMICA	2.9995	8.6369	14.70	39.84
487	Shell-Thick	SLU-SISMICA	0.5782	9.7230	14.70	43.78
487	Shell-Thick	SLU-SISMICA	-0.1204	5.7789	16.98	43.78
487	Shell-Thick	SLE-RARA	0.1216	1.1825	8.63	22.00
487	Shell-Thick	SLE-RARA	0.6593	3.0094	7.47	22.00
487	Shell-Thick	SLE-RARA	-0.5742	3.4373	7.47	24.01
487	Shell-Thick	SLE-RARA	-1.0614	1.2624	8.63	24.01
487	Shell-Thick	SLE-FREQ.	-0.0396	0.8645	7.99	20.62
487	Shell-Thick	SLE-FREQ.	0.4788	2.5754	6.91	20.62
487	Shell-Thick	SLE-FREQ.	-0.6630	2.9526	6.91	22.48
487	Shell-Thick	SLE-FREQ.	-1.1339	0.9141	7.99	22.48
487	Shell-Thick	SLE-QP	-0.5232	-0.0895	6.06	16.49
487	Shell-Thick	SLE-QP	-0.0626	1.2736	5.24	16.49
487	Shell-Thick	SLE-QP	-0.9296	1.4985	5.24	17.91
487	Shell-Thick	SLE-QP	-1.3516	-0.1307	6.06	17.91
488	Shell-Thick	SLU-STATICA	0.2821	2.4061	9.63	32.56
488	Shell-Thick	SLU-STATICA	0.8828	5.0023	8.24	32.56
488	Shell-Thick	SLU-STATICA	-0.5072	6.6782	8.24	34.96
488	Shell-Thick	SLU-STATICA	-1.0087	3.4006	9.63	34.96
488	Shell-Thick	SLU-SISMICA	2.1818	6.4504	14.56	43.95
488	Shell-Thick	SLU-SISMICA	2.8114	9.9586	12.49	43.95
488	Shell-Thick	SLU-SISMICA	0.7138	12.6085	12.49	47.52

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488	Shell-Thick	SLU-SISMICA	0.2210	8.1595	14.56	47.52
488	Shell-Thick	SLE-RARA	0.1191	1.6217	7.05	24.10
488	Shell-Thick	SLE-RARA	0.5728	3.5435	6.03	24.10
488	Shell-Thick	SLE-RARA	-0.4451	4.7649	6.03	25.87
488	Shell-Thick	SLE-RARA	-0.8256	2.3397	7.05	25.87
488	Shell-Thick	SLE-FREQ.	-0.0400	1.2494	6.47	22.57
488	Shell-Thick	SLE-FREQ.	0.4002	3.0488	5.53	22.57
488	Shell-Thick	SLE-FREQ.	-0.5345	4.1601	5.53	24.20
488	Shell-Thick	SLE-FREQ.	-0.9063	1.8909	6.47	24.20
488	Shell-Thick	SLE-QP	-0.5171	0.1323	4.74	17.98
488	Shell-Thick	SLE-QP	-0.1177	1.5647	4.04	17.98
488	Shell-Thick	SLE-QP	-0.8026	2.3455	4.04	19.19
488	Shell-Thick	SLE-QP	-1.1484	0.5445	4.74	19.19
489	Shell-Thick	SLU-STATICA	0.3805	3.9212	8.13	35.15
489	Shell-Thick	SLU-STATICA	1.2538	6.7877	6.91	35.15
489	Shell-Thick	SLU-STATICA	0.0842	7.6558	6.91	37.26
489	Shell-Thick	SLU-STATICA	-0.7069	4.2234	8.13	37.26
489	Shell-Thick	SLU-SISMICA	2.2640	8.8968	12.87	47.77
489	Shell-Thick	SLU-SISMICA	3.3169	12.8005	11.01	47.77
489	Shell-Thick	SLU-SISMICA	1.4688	14.2196	11.01	50.99
489	Shell-Thick	SLU-SISMICA	0.5298	9.5319	12.87	50.99
489	Shell-Thick	SLE-RARA	0.1945	2.7234	5.93	26.00
489	Shell-Thick	SLE-RARA	0.8473	4.8437	5.03	26.00
489	Shell-Thick	SLE-RARA	-0.0052	5.4741	5.03	27.55
489	Shell-Thick	SLE-RARA	-0.5972	2.9358	5.93	27.55
489	Shell-Thick	SLE-FREQ.	0.0349	2.2473	5.39	24.33
489	Shell-Thick	SLE-FREQ.	0.6569	4.2301	4.57	24.33
489	Shell-Thick	SLE-FREQ.	-0.1188	4.7997	4.57	25.74
489	Shell-Thick	SLE-FREQ.	-0.6841	2.4271	5.39	25.74
489	Shell-Thick	SLE-QP	-0.4439	0.8192	3.78	19.29
489	Shell-Thick	SLE-QP	0.0856	2.3894	3.19	19.29
489	Shell-Thick	SLE-QP	-0.4598	2.7765	3.19	20.32
489	Shell-Thick	SLE-QP	-0.9449	0.9012	3.78	20.32
490	Shell-Thick	SLU-STATICA	0.8965	4.7747	6.85	37.44
490	Shell-Thick	SLU-STATICA	1.5548	7.7194	5.75	37.44
490	Shell-Thick	SLU-STATICA	0.5523	9.8307	5.75	39.34
490	Shell-Thick	SLU-STATICA	0.0090	6.0968	6.85	39.34
490	Shell-Thick	SLU-SISMICA	2.9455	10.3292	11.35	51.23
490	Shell-Thick	SLU-SISMICA	3.7025	14.3522	9.63	51.23
490	Shell-Thick	SLU-SISMICA	2.0461	17.6002	9.63	54.21
490	Shell-Thick	SLU-SISMICA	1.4533	12.4505	11.35	54.21
490	Shell-Thick	SLE-RARA	0.5772	3.3412	4.96	27.68
490	Shell-Thick	SLE-RARA	1.0712	5.5188	4.16	27.68
490	Shell-Thick	SLE-RARA	0.3441	7.0620	4.16	29.07
490	Shell-Thick	SLE-RARA	-0.0651	4.3032	4.96	29.07
490	Shell-Thick	SLE-FREQ.	0.3946	2.8024	4.47	25.86
490	Shell-Thick	SLE-FREQ.	0.8683	4.8376	3.74	25.86
490	Shell-Thick	SLE-FREQ.	0.2129	6.2494	3.74	27.13
490	Shell-Thick	SLE-FREQ.	-0.1822	3.6749	4.47	27.13
490	Shell-Thick	SLE-QP	-0.1533	1.1858	2.99	20.42
490	Shell-Thick	SLE-QP	0.2595	2.7941	2.48	20.42
490	Shell-Thick	SLE-QP	-0.1809	3.8115	2.48	21.31
490	Shell-Thick	SLE-QP	-0.5335	1.7901	2.99	21.31
491	Shell-Thick	SLU-STATICA	1.4957	6.6955	6.17	39.56
491	Shell-Thick	SLU-STATICA	2.3468	9.8883	5.19	39.56
491	Shell-Thick	SLU-STATICA	1.4477	10.8415	5.19	41.24
491	Shell-Thick	SLU-STATICA	0.6905	7.0049	6.17	41.24
491	Shell-Thick	SLU-SISMICA	3.7442	13.3315	10.61	54.53
491	Shell-Thick	SLU-SISMICA	4.8122	17.7306	9.04	54.53
491	Shell-Thick	SLU-SISMICA	3.2707	19.2428	9.04	57.23
491	Shell-Thick	SLU-SISMICA	2.3371	13.9199	10.61	57.23
491	Shell-Thick	SLE-RARA	1.0213	4.7428	4.45	29.23
491	Shell-Thick	SLE-RARA	1.6554	7.1020	3.74	29.23
491	Shell-Thick	SLE-RARA	1.0062	7.7964	3.74	30.45
491	Shell-Thick	SLE-RARA	0.4412	4.9633	4.45	30.45
491	Shell-Thick	SLE-FREQ.	0.8114	4.0805	3.98	27.28
491	Shell-Thick	SLE-FREQ.	1.4120	6.2824	3.33	27.28
491	Shell-Thick	SLE-FREQ.	0.8316	6.9138	3.33	28.39
491	Shell-Thick	SLE-FREQ.	0.2950	4.2727	3.98	28.39

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491	Shell-Thick	SLE-QP	0.1815	2.0936	2.55	21.43
491	Shell-Thick	SLE-QP	0.6817	3.8235	2.11	21.43
491	Shell-Thick	SLE-QP	0.3077	4.2658	2.11	22.20
491	Shell-Thick	SLE-QP	-0.1436	2.2007	2.55	22.20
492	Shell-Thick	SLU-STATICA	2.5185	7.6558	5.64	41.46
492	Shell-Thick	SLU-STATICA	3.1114	10.8890	4.74	41.46
492	Shell-Thick	SLU-STATICA	2.2682	13.2704	4.74	43.02
492	Shell-Thick	SLU-STATICA	1.8041	9.1546	5.64	43.02
492	Shell-Thick	SLU-SISMICA	5.1732	14.8893	9.98	57.54
492	Shell-Thick	SLU-SISMICA	5.8836	19.3632	8.50	57.54
492	Shell-Thick	SLU-SISMICA	4.4031	22.9894	8.50	60.10
492	Shell-Thick	SLU-SISMICA	3.8802	17.2295	9.98	60.10
492	Shell-Thick	SLE-RARA	1.7761	5.4407	4.06	30.62
492	Shell-Thick	SLE-RARA	2.2195	7.8288	3.40	30.62
492	Shell-Thick	SLE-RARA	1.6124	9.5713	3.40	31.75
492	Shell-Thick	SLE-RARA	1.2636	6.5345	4.06	31.75
492	Shell-Thick	SLE-FREQ.	1.5142	4.7121	3.60	28.54
492	Shell-Thick	SLE-FREQ.	1.9370	6.9393	3.01	28.54
492	Shell-Thick	SLE-FREQ.	1.3972	8.5366	3.01	29.56
492	Shell-Thick	SLE-FREQ.	1.0619	5.7097	3.60	29.56
492	Shell-Thick	SLE-QP	0.7283	2.5262	2.23	22.31
492	Shell-Thick	SLE-QP	1.0893	4.2710	1.83	22.31
492	Shell-Thick	SLE-QP	0.7516	5.4324	1.83	23.00
492	Shell-Thick	SLE-QP	0.4566	3.2355	2.23	23.00
493	Shell-Thick	SLU-STATICA	3.7747	9.8916	5.81	43.28
493	Shell-Thick	SLU-STATICA	4.4273	13.3593	5.02	43.28
493	Shell-Thick	SLU-STATICA	3.5627	14.1521	5.02	44.64
493	Shell-Thick	SLU-STATICA	3.0140	9.9720	5.81	44.64
493	Shell-Thick	SLU-SISMICA	6.9559	18.3349	10.28	60.47
493	Shell-Thick	SLU-SISMICA	7.7800	23.1745	8.95	60.47
493	Shell-Thick	SLU-SISMICA	6.2609	24.4299	8.95	62.77
493	Shell-Thick	SLU-SISMICA	5.5888	18.5485	10.28	62.77
493	Shell-Thick	SLE-RARA	2.7018	7.0745	4.18	31.94
493	Shell-Thick	SLE-RARA	3.1877	9.6339	3.61	31.94
493	Shell-Thick	SLE-RARA	2.5652	10.2115	3.61	32.92
493	Shell-Thick	SLE-RARA	2.1556	7.1289	4.18	32.92
493	Shell-Thick	SLE-FREQ.	2.3737	6.2062	3.71	29.74
493	Shell-Thick	SLE-FREQ.	2.8336	8.5897	3.20	29.74
493	Shell-Thick	SLE-FREQ.	2.2802	9.1151	3.20	30.62
493	Shell-Thick	SLE-FREQ.	1.8908	6.2483	3.71	30.62
493	Shell-Thick	SLE-QP	1.3896	3.6013	2.30	23.13
493	Shell-Thick	SLE-QP	1.7713	5.4572	1.96	23.13
493	Shell-Thick	SLE-QP	1.4252	5.8258	1.96	23.71
493	Shell-Thick	SLE-QP	1.0966	3.6064	2.30	23.71
494	Shell-Thick	SLU-STATICA	5.5586	10.8196	6.19	44.89
494	Shell-Thick	SLU-STATICA	5.9966	14.3001	5.47	44.89
494	Shell-Thick	SLU-STATICA	5.0524	16.5404	5.47	46.14
494	Shell-Thick	SLU-STATICA	4.7543	12.1021	6.19	46.14
494	Shell-Thick	SLU-SISMICA	9.5306	19.8225	10.78	63.14
494	Shell-Thick	SLU-SISMICA	10.0603	24.7042	9.54	63.14
494	Shell-Thick	SLU-SISMICA	8.4330	28.1047	9.54	65.29
494	Shell-Thick	SLU-SISMICA	8.1090	21.8142	10.78	65.29
494	Shell-Thick	SLE-RARA	4.0141	7.7499	4.46	33.11
494	Shell-Thick	SLE-RARA	4.3414	10.3174	3.94	33.11
494	Shell-Thick	SLE-RARA	3.6599	11.9571	3.94	34.00
494	Shell-Thick	SLE-RARA	3.4354	8.6863	4.46	34.00
494	Shell-Thick	SLE-FREQ.	3.5887	6.8189	3.97	30.79
494	Shell-Thick	SLE-FREQ.	3.9003	9.2080	3.51	30.79
494	Shell-Thick	SLE-FREQ.	3.2919	10.7119	3.51	31.59
494	Shell-Thick	SLE-FREQ.	3.0750	7.6740	3.97	31.59
494	Shell-Thick	SLE-QP	2.3125	4.0261	2.51	23.85
494	Shell-Thick	SLE-QP	2.5773	5.8798	2.21	23.85
494	Shell-Thick	SLE-QP	2.1877	6.9763	2.21	24.35
494	Shell-Thick	SLE-QP	1.9938	4.6370	2.51	24.35
495	Shell-Thick	SLU-STATICA	7.9663	13.1225	7.44	46.42
495	Shell-Thick	SLU-STATICA	8.3341	16.8188	6.93	46.42
495	Shell-Thick	SLU-STATICA	7.2009	16.8078	6.93	47.30
495	Shell-Thick	SLU-STATICA	6.9441	12.3516	7.44	47.30
495	Shell-Thick	SLU-SISMICA	13.0399	23.3442	12.47	65.70

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495	Shell-Thick	SLU-SISMICA	13.4891	28.5722	11.52	65.70
495	Shell-Thick	SLU-SISMICA	11.6078	28.6156	11.52	67.35
495	Shell-Thick	SLU-SISMICA	11.3219	22.2699	12.47	67.35
495	Shell-Thick	SLE-RARA	5.7836	9.4341	5.38	34.21
495	Shell-Thick	SLE-RARA	6.0582	12.1586	5.02	34.21
495	Shell-Thick	SLE-RARA	5.2368	12.1476	5.02	34.84
495	Shell-Thick	SLE-RARA	5.0437	8.8651	5.38	34.84
495	Shell-Thick	SLE-FREQ.	5.2240	8.3615	4.84	31.78
495	Shell-Thick	SLE-FREQ.	5.4852	10.8929	4.52	31.78
495	Shell-Thick	SLE-FREQ.	4.7455	10.8777	4.52	32.33
495	Shell-Thick	SLE-FREQ.	4.5596	7.8315	4.84	32.33
495	Shell-Thick	SLE-QP	3.5454	5.1435	3.20	24.50
495	Shell-Thick	SLE-QP	3.7662	7.0958	3.02	24.50
495	Shell-Thick	SLE-QP	3.2716	7.0680	3.02	24.81
495	Shell-Thick	SLE-QP	3.1072	4.7304	3.20	24.81
496	Shell-Thick	SLU-STATICA	11.0796	13.5974	9.02	47.61
496	Shell-Thick	SLU-STATICA	11.6141	17.2718	8.76	47.61
496	Shell-Thick	SLU-STATICA	10.2087	18.1795	8.76	48.06
496	Shell-Thick	SLU-STATICA	9.8166	13.5317	9.02	48.06
496	Shell-Thick	SLU-SISMICA	17.5992	24.1272	14.54	67.79
496	Shell-Thick	SLU-SISMICA	18.3197	29.3562	13.91	67.79
496	Shell-Thick	SLU-SISMICA	16.0806	30.7612	13.91	68.87
496	Shell-Thick	SLU-SISMICA	15.5693	24.1012	14.54	68.87
496	Shell-Thick	SLE-RARA	8.0706	9.7786	6.56	35.07
496	Shell-Thick	SLE-RARA	8.4663	12.4854	6.38	35.07
496	Shell-Thick	SLE-RARA	7.4430	13.1484	6.38	35.38
496	Shell-Thick	SLE-RARA	7.1518	9.7269	6.56	35.38
496	Shell-Thick	SLE-FREQ.	7.3358	8.6722	5.95	32.55
496	Shell-Thick	SLE-FREQ.	7.7065	11.1845	5.80	32.55
496	Shell-Thick	SLE-FREQ.	6.7769	11.7902	5.80	32.80
496	Shell-Thick	SLE-FREQ.	6.5027	8.6184	5.95	32.80
496	Shell-Thick	SLE-QP	5.1315	5.3528	4.10	24.97
496	Shell-Thick	SLE-QP	5.4271	7.2816	4.06	24.97
496	Shell-Thick	SLE-QP	4.7787	7.7157	4.06	25.05
496	Shell-Thick	SLE-QP	4.5554	5.2931	4.10	25.05
497	Shell-Thick	SLU-STATICA	15.0773	15.0378	11.58	48.39
497	Shell-Thick	SLU-STATICA	15.9133	18.8664	11.86	48.39
497	Shell-Thick	SLU-STATICA	14.1016	16.8069	11.86	47.91
497	Shell-Thick	SLU-STATICA	13.3711	12.2580	11.58	47.91
497	Shell-Thick	SLU-SISMICA	23.4683	26.3293	17.94	69.35
497	Shell-Thick	SLU-SISMICA	24.6572	31.8282	18.05	69.35
497	Shell-Thick	SLU-SISMICA	21.8803	28.8143	18.05	69.17
497	Shell-Thick	SLU-SISMICA	20.8454	22.2630	17.94	69.17
497	Shell-Thick	SLE-RARA	11.0066	10.8322	8.46	35.62
497	Shell-Thick	SLE-RARA	11.6225	13.6500	8.68	35.62
497	Shell-Thick	SLE-RARA	10.2977	12.1370	8.68	35.24
497	Shell-Thick	SLE-RARA	9.7594	8.7898	8.46	35.24
497	Shell-Thick	SLE-FREQ.	10.0456	9.6371	7.73	33.02
497	Shell-Thick	SLE-FREQ.	10.6173	12.2482	7.96	33.02
497	Shell-Thick	SLE-FREQ.	9.4045	10.8509	7.96	32.63
497	Shell-Thick	SLE-FREQ.	8.9045	7.7509	7.73	32.63
497	Shell-Thick	SLE-QP	7.1627	6.0520	5.54	25.22
497	Shell-Thick	SLE-QP	7.6019	8.0429	5.79	25.22
497	Shell-Thick	SLE-QP	6.7251	6.9928	5.79	24.78
497	Shell-Thick	SLE-QP	6.3399	4.6340	5.54	24.78
498	Shell-Thick	SLU-STATICA	19.0141	13.9392	14.36	48.31
498	Shell-Thick	SLU-STATICA	21.0983	17.6536	15.34	48.31
498	Shell-Thick	SLU-STATICA	18.8090	16.4101	15.34	46.61
498	Shell-Thick	SLU-STATICA	16.8464	11.8675	14.36	46.61
498	Shell-Thick	SLU-SISMICA	29.2376	24.7261	21.58	69.74
498	Shell-Thick	SLU-SISMICA	32.2962	30.1128	22.62	69.74
498	Shell-Thick	SLU-SISMICA	28.8918	28.3123	22.62	67.95
498	Shell-Thick	SLU-SISMICA	26.0099	21.7214	21.58	67.95
498	Shell-Thick	SLE-RARA	13.8983	10.0248	10.52	35.54
498	Shell-Thick	SLE-RARA	15.4290	12.7561	11.26	35.54
498	Shell-Thick	SLE-RARA	13.7499	11.8415	11.26	34.25
498	Shell-Thick	SLE-RARA	12.3086	8.5015	10.52	34.25
498	Shell-Thick	SLE-FREQ.	12.7155	8.8911	9.67	32.90
498	Shell-Thick	SLE-FREQ.	14.1284	11.4176	10.39	32.90

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498	Shell-Thick	SLE-FREQ.	12.5823	10.5714	10.39	31.66
498	Shell-Thick	SLE-FREQ.	11.2521	7.4821	9.67	31.66
498	Shell-Thick	SLE-QP	9.1669	5.4902	7.11	24.99
498	Shell-Thick	SLE-QP	10.2263	7.4024	7.76	24.99
498	Shell-Thick	SLE-QP	9.0794	6.7611	7.76	23.86
498	Shell-Thick	SLE-QP	8.0824	4.4238	7.11	23.86
499	Shell-Thick	SLU-STATICA	22.3196	13.4655	17.59	46.97
499	Shell-Thick	SLU-STATICA	25.0439	17.1537	19.59	46.97
499	Shell-Thick	SLU-STATICA	22.2183	14.2686	19.59	43.51
499	Shell-Thick	SLU-STATICA	19.5673	10.0860	17.59	43.51
499	Shell-Thick	SLU-SISMICA	34.0722	24.0321	25.88	68.45
499	Shell-Thick	SLU-SISMICA	38.0896	29.4536	28.29	68.45
499	Shell-Thick	SLU-SISMICA	33.9732	25.1869	28.29	64.29
499	Shell-Thick	SLU-SISMICA	30.0599	19.0613	25.88	64.29
499	Shell-Thick	SLE-RARA	16.3268	9.6769	12.91	34.52
499	Shell-Thick	SLE-RARA	18.3267	12.3852	14.41	34.52
499	Shell-Thick	SLE-RARA	16.2500	10.2679	14.41	31.93
499	Shell-Thick	SLE-RARA	14.3041	7.1954	12.91	31.93
499	Shell-Thick	SLE-FREQ.	14.9585	8.5699	11.91	31.90
499	Shell-Thick	SLE-FREQ.	16.8028	11.0690	13.34	31.90
499	Shell-Thick	SLE-FREQ.	14.8833	9.1174	13.34	29.44
499	Shell-Thick	SLE-FREQ.	13.0891	6.2804	11.91	29.44
499	Shell-Thick	SLE-QP	10.8533	5.2490	8.91	24.05
499	Shell-Thick	SLE-QP	12.2308	7.1204	10.13	24.05
499	Shell-Thick	SLE-QP	10.7832	5.6661	10.13	21.95
499	Shell-Thick	SLE-QP	9.4442	3.5353	8.91	21.95
500	Shell-Thick	SLU-STATICA	22.9552	11.2710	20.11	43.86
500	Shell-Thick	SLU-STATICA	26.5637	14.6303	23.02	43.86
500	Shell-Thick	SLU-STATICA	23.2929	13.9894	23.02	38.82
500	Shell-Thick	SLU-STATICA	19.7551	10.1557	20.11	38.82
500	Shell-Thick	SLU-SISMICA	34.9663	20.7353	29.23	64.77
500	Shell-Thick	SLU-SISMICA	40.3115	25.7618	32.88	64.77
500	Shell-Thick	SLU-SISMICA	35.6028	24.7949	32.88	58.46
500	Shell-Thick	SLU-SISMICA	30.3569	19.1009	29.23	58.46
500	Shell-Thick	SLE-RARA	16.7956	8.0689	14.78	32.20
500	Shell-Thick	SLE-RARA	19.4433	10.5313	16.95	32.20
500	Shell-Thick	SLE-RARA	17.0365	10.0620	16.95	28.44
500	Shell-Thick	SLE-RARA	14.4409	7.2497	14.78	28.44
500	Shell-Thick	SLE-FREQ.	15.3944	7.0922	13.67	29.68
500	Shell-Thick	SLE-FREQ.	17.8341	9.3569	15.73	29.68
500	Shell-Thick	SLE-FREQ.	15.6048	8.9259	15.73	26.12
500	Shell-Thick	SLE-FREQ.	13.2136	6.3358	13.67	26.12
500	Shell-Thick	SLE-QP	11.1908	4.1619	10.32	22.15
500	Shell-Thick	SLE-QP	13.0065	5.8334	12.04	22.15
500	Shell-Thick	SLE-QP	11.3097	5.5176	12.04	19.18
500	Shell-Thick	SLE-QP	9.5316	3.5942	10.32	19.18
501	Shell-Thick	SLU-STATICA	9.8592	1.4534	36.19	5.53
501	Shell-Thick	SLU-STATICA	8.5228	2.1494	32.77	5.53
501	Shell-Thick	SLU-STATICA	3.3433	1.5400	32.77	11.45
501	Shell-Thick	SLU-STATICA	4.6907	0.7589	36.19	11.45
501	Shell-Thick	SLU-SISMICA	12.6494	1.9505	42.84	7.14
501	Shell-Thick	SLU-SISMICA	10.8276	2.8829	38.45	7.14
501	Shell-Thick	SLU-SISMICA	4.7268	2.5347	38.45	14.73
501	Shell-Thick	SLU-SISMICA	6.5522	1.5641	42.84	14.73
501	Shell-Thick	SLE-RARA	7.3317	1.0765	27.09	4.11
501	Shell-Thick	SLE-RARA	6.3432	1.5921	24.55	4.11
501	Shell-Thick	SLE-RARA	2.4644	1.1174	24.55	8.51
501	Shell-Thick	SLE-RARA	3.4616	0.5349	27.09	8.51
501	Shell-Thick	SLE-FREQ.	6.9216	1.0091	25.88	3.88
501	Shell-Thick	SLE-FREQ.	5.9974	1.4926	23.48	3.88
501	Shell-Thick	SLE-FREQ.	2.2900	1.0081	23.48	8.03
501	Shell-Thick	SLE-FREQ.	3.2233	0.4556	25.88	8.03
501	Shell-Thick	SLE-QP	5.6914	0.8069	22.24	3.18
501	Shell-Thick	SLE-QP	4.9600	1.1940	20.26	3.18
501	Shell-Thick	SLE-QP	1.7666	0.6802	20.26	6.59
501	Shell-Thick	SLE-QP	2.5083	0.2175	22.24	6.59
502	Shell-Thick	SLU-STATICA	6.4588	0.9785	29.23	11.36
502	Shell-Thick	SLU-STATICA	5.7925	2.1638	26.01	11.36
502	Shell-Thick	SLU-STATICA	1.6427	1.5791	26.01	16.91

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502	Shell-Thick	SLU-STATICA	2.3206	0.3048	29.23	16.91
502	Shell-Thick	SLU-SISMICA	9.1379	1.8647	35.50	14.59
502	Shell-Thick	SLU-SISMICA	8.1201	3.4299	31.36	14.59
502	Shell-Thick	SLU-SISMICA	3.1031	3.0586	31.36	21.73
502	Shell-Thick	SLU-SISMICA	4.1234	1.4644	35.50	21.73
502	Shell-Thick	SLE-RARA	4.7606	0.6973	21.83	8.45
502	Shell-Thick	SLE-RARA	4.2732	1.5765	19.44	8.45
502	Shell-Thick	SLE-RARA	1.1719	1.1228	19.44	12.58
502	Shell-Thick	SLE-RARA	1.6686	0.1732	21.83	12.58
502	Shell-Thick	SLE-FREQ.	4.4230	0.6073	20.78	7.97
502	Shell-Thick	SLE-FREQ.	3.9765	1.4336	18.52	7.97
502	Shell-Thick	SLE-FREQ.	1.0230	0.9736	18.52	11.87
502	Shell-Thick	SLE-FREQ.	1.4793	0.0736	20.78	11.87
502	Shell-Thick	SLE-QP	3.4104	0.3372	17.62	6.55
502	Shell-Thick	SLE-QP	3.0866	1.0049	15.77	6.55
502	Shell-Thick	SLE-QP	0.5763	0.5257	15.77	9.75
502	Shell-Thick	SLE-QP	0.9114	-0.2251	17.62	9.75
503	Shell-Thick	SLU-STATICA	4.1155	0.5815	23.57	16.87
503	Shell-Thick	SLU-STATICA	3.8103	2.0949	20.69	16.87
503	Shell-Thick	SLU-STATICA	0.4656	2.4816	20.69	21.86
503	Shell-Thick	SLU-STATICA	0.8196	0.6265	23.57	21.86
503	Shell-Thick	SLU-SISMICA	6.6060	1.8151	29.44	21.64
503	Shell-Thick	SLU-SISMICA	5.9923	3.7824	25.68	21.64
503	Shell-Thick	SLU-SISMICA	1.8289	4.7664	25.68	28.14
503	Shell-Thick	SLU-SISMICA	2.4990	2.4034	29.44	28.14
503	Shell-Thick	SLE-RARA	2.9944	0.3792	17.57	12.54
503	Shell-Thick	SLE-RARA	2.7785	1.5033	15.43	12.54
503	Shell-Thick	SLE-RARA	0.2849	1.7666	15.43	16.25
503	Shell-Thick	SLE-RARA	0.5374	0.3862	17.57	16.25
503	Shell-Thick	SLE-FREQ.	2.7159	0.2685	16.65	11.84
503	Shell-Thick	SLE-FREQ.	2.5307	1.3275	14.63	11.84
503	Shell-Thick	SLE-FREQ.	0.1658	1.5352	14.63	15.33
503	Shell-Thick	SLE-FREQ.	0.3862	0.2306	16.65	15.33
503	Shell-Thick	SLE-QP	1.8804	-0.0637	13.91	9.74
503	Shell-Thick	SLE-QP	1.7872	0.8003	12.26	9.74
503	Shell-Thick	SLE-QP	-0.1913	0.8413	12.26	12.58
503	Shell-Thick	SLE-QP	-0.0676	-0.2360	13.91	12.58
504	Shell-Thick	SLU-STATICA	2.4319	0.9603	19.15	21.87
504	Shell-Thick	SLU-STATICA	2.6314	2.9033	16.61	21.87
504	Shell-Thick	SLU-STATICA	-0.0726	3.1149	16.61	26.27
504	Shell-Thick	SLU-STATICA	-0.2290	0.8700	19.15	26.27
504	Shell-Thick	SLU-SISMICA	4.6603	2.8230	24.69	28.14
504	Shell-Thick	SLU-SISMICA	4.7117	5.3556	21.31	28.14
504	Shell-Thick	SLU-SISMICA	1.2370	5.9926	21.31	33.97
504	Shell-Thick	SLU-SISMICA	1.2336	3.1218	24.69	33.97
504	Shell-Thick	SLE-RARA	1.7317	0.6349	14.23	16.26
504	Shell-Thick	SLE-RARA	1.8902	2.0778	12.35	16.26
504	Shell-Thick	SLE-RARA	-0.1203	2.2169	12.35	19.52
504	Shell-Thick	SLE-RARA	-0.2464	0.5470	14.23	19.52
504	Shell-Thick	SLE-FREQ.	1.5059	0.4661	13.43	15.35
504	Shell-Thick	SLE-FREQ.	1.6726	1.8250	11.66	15.35
504	Shell-Thick	SLE-FREQ.	-0.2249	1.9258	11.66	18.41
504	Shell-Thick	SLE-FREQ.	-0.3605	0.3485	13.43	18.41
504	Shell-Thick	SLE-QP	0.8284	-0.0401	11.01	12.60
504	Shell-Thick	SLE-QP	1.0199	1.0667	9.58	12.60
504	Shell-Thick	SLE-QP	-0.5389	1.0523	9.58	15.06
504	Shell-Thick	SLE-QP	-0.7029	-0.2472	11.01	15.06
505	Shell-Thick	SLU-STATICA	1.4754	1.2542	15.50	26.31
505	Shell-Thick	SLU-STATICA	1.7650	3.4392	13.29	26.31
505	Shell-Thick	SLU-STATICA	-0.4340	4.6217	13.29	30.13
505	Shell-Thick	SLU-STATICA	-0.6455	1.8969	15.50	30.13
505	Shell-Thick	SLU-SISMICA	3.5376	3.6135	20.67	34.01
505	Shell-Thick	SLU-SISMICA	3.6765	6.4497	17.68	34.01
505	Shell-Thick	SLU-SISMICA	0.7492	8.4570	17.68	39.19
505	Shell-Thick	SLU-SISMICA	0.7108	4.9250	20.67	39.19
505	Shell-Thick	SLE-RARA	1.0152	0.8328	11.49	19.55
505	Shell-Thick	SLE-RARA	1.2422	2.4560	9.85	19.55
505	Shell-Thick	SLE-RARA	-0.3878	3.3109	9.85	22.38
505	Shell-Thick	SLE-RARA	-0.5567	1.2865	11.49	22.38



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505	Shell-Thick	SLE-FREQ.	0.8207	0.6184	10.78	18.44
505	Shell-Thick	SLE-FREQ.	1.0545	2.1480	9.25	18.44
505	Shell-Thick	SLE-FREQ.	-0.4755	2.9141	9.25	21.08
505	Shell-Thick	SLE-FREQ.	-0.6544	1.0060	10.78	21.08
505	Shell-Thick	SLE-QP	0.2372	-0.0249	8.65	15.09
505	Shell-Thick	SLE-QP	0.4913	1.2241	7.44	15.09
505	Shell-Thick	SLE-QP	-0.7385	1.7236	7.44	17.19
505	Shell-Thick	SLE-QP	-0.9477	0.1642	8.65	17.19
506	Shell-Thick	SLU-STATICA	0.7957	2.3246	12.68	30.24
506	Shell-Thick	SLU-STATICA	1.5101	4.8711	10.76	30.24
506	Shell-Thick	SLU-STATICA	-0.2817	5.6298	10.76	33.55
506	Shell-Thick	SLU-STATICA	-0.9301	2.6273	12.68	33.55
506	Shell-Thick	SLU-SISMICA	2.6636	5.4873	17.58	39.33
506	Shell-Thick	SLU-SISMICA	3.4144	8.8182	14.91	39.33
506	Shell-Thick	SLU-SISMICA	0.9349	10.1413	14.91	43.95
506	Shell-Thick	SLU-SISMICA	0.2683	6.2273	17.58	43.95
506	Shell-Thick	SLE-RARA	0.5099	1.6039	9.36	22.46
506	Shell-Thick	SLE-RARA	1.0494	3.4944	7.95	22.46
506	Shell-Thick	SLE-RARA	-0.2740	4.0411	7.95	24.90
506	Shell-Thick	SLE-RARA	-0.7645	1.8115	9.36	24.90
506	Shell-Thick	SLE-FREQ.	0.3438	1.3044	8.73	21.16
506	Shell-Thick	SLE-FREQ.	0.8670	3.0838	7.41	21.16
506	Shell-Thick	SLE-FREQ.	-0.3673	3.5707	7.41	23.43
506	Shell-Thick	SLE-FREQ.	-0.8441	1.4709	8.73	23.43
506	Shell-Thick	SLE-QP	-0.1544	0.4060	6.83	17.26
506	Shell-Thick	SLE-QP	0.3199	1.8522	5.80	17.26
506	Shell-Thick	SLE-QP	-0.6469	2.1596	5.80	19.03
506	Shell-Thick	SLE-QP	-1.0831	0.4494	6.83	19.03
507	Shell-Thick	SLU-STATICA	0.6649	3.0886	10.29	33.66
507	Shell-Thick	SLU-STATICA	1.2581	5.7955	8.63	33.66
507	Shell-Thick	SLU-STATICA	-0.2115	7.6011	8.63	36.53
507	Shell-Thick	SLU-STATICA	-0.7040	4.2012	10.29	36.53
507	Shell-Thick	SLU-SISMICA	2.5049	6.8512	14.88	44.10
507	Shell-Thick	SLU-SISMICA	3.0765	10.3930	12.49	44.10
507	Shell-Thick	SLU-SISMICA	0.9545	13.2357	12.49	48.22
507	Shell-Thick	SLU-SISMICA	0.5205	8.7474	14.88	48.22
507	Shell-Thick	SLE-RARA	0.4121	2.1529	7.57	24.99
507	Shell-Thick	SLE-RARA	0.8627	4.1624	6.35	24.99
507	Shell-Thick	SLE-RARA	-0.2183	5.4789	6.35	27.10
507	Shell-Thick	SLE-RARA	-0.5944	2.9569	7.57	27.10
507	Shell-Thick	SLE-FREQ.	0.2507	1.7906	7.00	23.52
507	Shell-Thick	SLE-FREQ.	0.6920	3.6819	5.87	23.52
507	Shell-Thick	SLE-FREQ.	-0.3088	4.8807	5.87	25.47
507	Shell-Thick	SLE-FREQ.	-0.6804	2.5103	7.00	25.47
507	Shell-Thick	SLE-QP	-0.2334	0.7037	5.31	19.10
507	Shell-Thick	SLE-QP	0.1798	2.2405	4.45	19.10
507	Shell-Thick	SLE-QP	-0.5801	3.0863	4.45	20.59
507	Shell-Thick	SLE-QP	-0.9383	1.1708	5.31	20.59
508	Shell-Thick	SLU-STATICA	0.5744	4.6955	8.54	36.72
508	Shell-Thick	SLU-STATICA	1.5529	7.7153	7.09	36.72
508	Shell-Thick	SLU-STATICA	0.3395	8.7805	7.09	39.22
508	Shell-Thick	SLU-STATICA	-0.5568	5.1948	8.54	39.22
508	Shell-Thick	SLU-SISMICA	2.3488	9.4346	12.92	48.46
508	Shell-Thick	SLU-SISMICA	3.5053	13.4244	10.78	48.46
508	Shell-Thick	SLU-SISMICA	1.6706	15.1452	10.78	52.16
508	Shell-Thick	SLU-SISMICA	0.6264	10.3820	12.92	52.16
508	Shell-Thick	SLE-RARA	0.3468	3.3219	6.25	27.24
508	Shell-Thick	SLE-RARA	1.0794	5.5617	5.19	27.24
508	Shell-Thick	SLE-RARA	0.1909	6.3362	5.19	29.07
508	Shell-Thick	SLE-RARA	-0.4809	3.6779	6.25	29.07
508	Shell-Thick	SLE-FREQ.	0.1925	2.8505	5.73	25.60
508	Shell-Thick	SLE-FREQ.	0.8923	4.9554	4.76	25.60
508	Shell-Thick	SLE-FREQ.	0.0768	5.6569	4.76	27.29
508	Shell-Thick	SLE-FREQ.	-0.5662	3.1609	5.73	27.29
508	Shell-Thick	SLE-QP	-0.2707	1.4364	4.19	20.69
508	Shell-Thick	SLE-QP	0.3311	3.1365	3.46	20.69
508	Shell-Thick	SLE-QP	-0.2655	3.6190	3.46	21.95
508	Shell-Thick	SLE-QP	-0.8224	1.6100	4.19	21.95
509	Shell-Thick	SLU-STATICA	0.9647	5.7156	7.01	39.38



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509	Shell-Thick	SLU-STATICA	1.6637	8.8288	5.74	39.38
509	Shell-Thick	SLU-STATICA	0.6479	11.1315	5.74	41.59
509	Shell-Thick	SLU-STATICA	0.0680	7.2008	7.01	41.59
509	Shell-Thick	SLU-SISMICA	2.8756	11.1236	11.15	52.39
509	Shell-Thick	SLU-SISMICA	3.6381	15.2470	9.20	52.39
509	Shell-Thick	SLU-SISMICA	2.0269	18.7966	9.20	55.75
509	Shell-Thick	SLU-SISMICA	1.4334	13.5132	11.15	55.75
509	Shell-Thick	SLE-RARA	0.6358	4.0615	5.11	29.20
509	Shell-Thick	SLE-RARA	1.1623	6.3701	4.17	29.20
509	Shell-Thick	SLE-RARA	0.4223	8.0529	4.17	30.81
509	Shell-Thick	SLE-RARA	-0.0165	5.1419	5.11	30.81
509	Shell-Thick	SLE-FREQ.	0.4631	3.5170	4.64	27.41
509	Shell-Thick	SLE-FREQ.	0.9714	5.6856	3.79	27.41
509	Shell-Thick	SLE-FREQ.	0.2985	7.2244	3.79	28.88
509	Shell-Thick	SLE-FREQ.	-0.1283	4.4963	4.64	28.88
509	Shell-Thick	SLE-QP	-0.0551	1.8832	3.24	22.04
509	Shell-Thick	SLE-QP	0.3987	3.6321	2.62	22.04
509	Shell-Thick	SLE-QP	-0.0727	4.7389	2.62	23.11
509	Shell-Thick	SLE-QP	-0.4637	2.5597	3.24	23.11
510	Shell-Thick	SLU-STATICA	1.2926	7.7590	6.08	41.82
510	Shell-Thick	SLU-STATICA	2.3419	11.1571	4.95	41.82
510	Shell-Thick	SLU-STATICA	1.4675	12.3296	4.95	43.77
510	Shell-Thick	SLU-STATICA	0.5127	8.2820	6.08	43.77
510	Shell-Thick	SLU-SISMICA	3.2970	14.3246	10.12	56.08
510	Shell-Thick	SLU-SISMICA	4.6039	18.8733	8.34	56.08
510	Shell-Thick	SLU-SISMICA	3.1516	20.7407	8.34	59.14
510	Shell-Thick	SLU-SISMICA	1.9794	15.2663	10.12	59.14
510	Shell-Thick	SLE-RARA	0.8796	5.5521	4.40	30.98
510	Shell-Thick	SLE-RARA	1.6619	8.0697	3.58	30.98
510	Shell-Thick	SLE-RARA	1.0281	8.9235	3.58	32.40
510	Shell-Thick	SLE-RARA	0.3154	5.9276	4.40	32.40
510	Shell-Thick	SLE-FREQ.	0.6932	4.8757	3.96	29.04
510	Shell-Thick	SLE-FREQ.	1.4350	7.2366	3.21	29.04
510	Shell-Thick	SLE-FREQ.	0.8643	8.0123	3.21	30.34
510	Shell-Thick	SLE-FREQ.	0.1871	5.2075	3.96	30.34
510	Shell-Thick	SLE-QP	0.1340	2.8463	2.64	23.24
510	Shell-Thick	SLE-QP	0.7544	4.7373	2.11	23.24
510	Shell-Thick	SLE-QP	0.3730	5.2785	2.11	24.15
510	Shell-Thick	SLE-QP	-0.1978	3.0471	2.64	24.15
511	Shell-Thick	SLU-STATICA	2.1008	8.8748	5.26	43.98
511	Shell-Thick	SLU-STATICA	2.7680	12.3145	4.22	43.98
511	Shell-Thick	SLU-STATICA	1.9889	15.0396	4.22	45.77
511	Shell-Thick	SLU-STATICA	1.4571	10.6717	5.26	45.77
511	Shell-Thick	SLU-SISMICA	4.4291	16.1423	9.14	59.44
511	Shell-Thick	SLU-SISMICA	5.1948	20.7633	7.47	59.44
511	Shell-Thick	SLU-SISMICA	3.8500	24.9392	7.47	62.33
511	Shell-Thick	SLU-SISMICA	3.2811	18.9678	9.14	62.33
511	Shell-Thick	SLE-RARA	1.4758	6.3627	3.79	32.56
511	Shell-Thick	SLE-RARA	1.9765	8.9102	3.04	32.56
511	Shell-Thick	SLE-RARA	1.4143	10.9028	3.04	33.86
511	Shell-Thick	SLE-RARA	1.0132	7.6730	3.79	33.86
511	Shell-Thick	SLE-FREQ.	1.2481	5.6086	3.38	30.48
511	Shell-Thick	SLE-FREQ.	1.7283	7.9962	2.70	30.48
511	Shell-Thick	SLE-FREQ.	1.2265	9.8204	2.70	31.66
511	Shell-Thick	SLE-FREQ.	0.8383	6.8020	3.38	31.66
511	Shell-Thick	SLE-QP	0.5649	3.3462	2.14	24.26
511	Shell-Thick	SLE-QP	0.9838	5.2541	1.67	24.26
511	Shell-Thick	SLE-QP	0.6630	6.5733	1.67	25.08
511	Shell-Thick	SLE-QP	0.3136	4.1891	2.14	25.08
512	Shell-Thick	SLU-STATICA	2.8993	11.3266	5.10	46.04
512	Shell-Thick	SLU-STATICA	3.8253	15.0403	4.17	46.04
512	Shell-Thick	SLU-STATICA	3.0770	16.1508	4.17	47.66
512	Shell-Thick	SLU-STATICA	2.2565	11.7133	5.10	47.66
512	Shell-Thick	SLU-SISMICA	5.5517	19.9469	9.04	62.72
512	Shell-Thick	SLU-SISMICA	6.7277	24.9898	7.50	62.72
512	Shell-Thick	SLU-SISMICA	5.4094	26.7698	7.50	65.39
512	Shell-Thick	SLU-SISMICA	4.3876	20.6685	9.04	65.39
512	Shell-Thick	SLE-RARA	2.0647	8.1531	3.67	34.06
512	Shell-Thick	SLE-RARA	2.7540	10.9009	2.99	34.06

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512	Shell-Thick	SLE-RARA	2.2153	11.7090	2.99	35.23
512	Shell-Thick	SLE-RARA	1.6036	8.4295	3.67	35.23
512	Shell-Thick	SLE-FREQ.	1.7959	7.2437	3.26	31.85
512	Shell-Thick	SLE-FREQ.	2.4475	9.8145	2.65	31.85
512	Shell-Thick	SLE-FREQ.	1.9690	10.5476	2.65	32.90
512	Shell-Thick	SLE-FREQ.	1.3890	7.4857	3.26	32.90
512	Shell-Thick	SLE-QP	0.9892	4.5153	2.01	25.22
512	Shell-Thick	SLE-QP	1.5283	6.5552	1.60	25.22
512	Shell-Thick	SLE-QP	1.2301	7.0635	1.60	25.93
512	Shell-Thick	SLE-QP	0.7449	4.6543	2.01	25.93
513	Shell-Thick	SLU-STATICA	4.2366	12.4381	5.05	47.91
513	Shell-Thick	SLU-STATICA	4.7540	16.1575	4.14	47.91
513	Shell-Thick	SLU-STATICA	3.9895	19.1726	4.14	49.48
513	Shell-Thick	SLU-STATICA	3.6229	14.4202	5.05	49.48
513	Shell-Thick	SLU-SISMICA	7.4828	21.7593	8.99	65.75
513	Shell-Thick	SLU-SISMICA	8.0767	26.8316	7.47	65.75
513	Shell-Thick	SLU-SISMICA	6.7304	31.4444	7.47	68.38
513	Shell-Thick	SLU-SISMICA	6.3588	24.8486	8.99	68.38
513	Shell-Thick	SLE-RARA	3.0485	8.9604	3.63	35.41
513	Shell-Thick	SLE-RARA	3.4368	11.7113	2.97	35.41
513	Shell-Thick	SLE-RARA	2.8865	13.9164	2.97	36.55
513	Shell-Thick	SLE-RARA	2.6089	10.4071	3.63	36.55
513	Shell-Thick	SLE-FREQ.	2.7065	7.9735	3.21	33.07
513	Shell-Thick	SLE-FREQ.	3.0790	10.5454	2.62	33.07
513	Shell-Thick	SLE-FREQ.	2.5901	12.5648	2.62	34.10
513	Shell-Thick	SLE-FREQ.	2.3197	9.2935	3.21	34.10
513	Shell-Thick	SLE-QP	1.6807	5.0126	1.97	26.06
513	Shell-Thick	SLE-QP	2.0056	7.0475	1.58	26.06
513	Shell-Thick	SLE-QP	1.7008	8.5098	1.58	26.73
513	Shell-Thick	SLE-QP	1.4522	5.9526	1.97	26.73
514	Shell-Thick	SLU-STATICA	5.8722	15.2697	5.85	49.78
514	Shell-Thick	SLU-STATICA	6.4331	19.2617	5.05	49.78
514	Shell-Thick	SLU-STATICA	5.5569	20.0386	5.05	51.17
514	Shell-Thick	SLU-STATICA	5.1124	15.2491	5.85	51.17
514	Shell-Thick	SLU-SISMICA	9.8667	26.1290	10.12	68.82
514	Shell-Thick	SLU-SISMICA	10.5488	31.6293	8.74	68.82
514	Shell-Thick	SLU-SISMICA	9.0480	32.9159	8.74	71.20
514	Shell-Thick	SLU-SISMICA	8.5379	26.2360	10.12	71.20
514	Shell-Thick	SLE-RARA	4.2506	11.0294	4.22	36.77
514	Shell-Thick	SLE-RARA	4.6695	13.9791	3.64	36.77
514	Shell-Thick	SLE-RARA	4.0367	14.5424	3.64	37.77
514	Shell-Thick	SLE-RARA	3.7032	11.0074	4.22	37.77
514	Shell-Thick	SLE-FREQ.	3.8175	9.8650	3.77	34.30
514	Shell-Thick	SLE-FREQ.	4.2162	12.6180	3.25	34.30
514	Shell-Thick	SLE-FREQ.	3.6503	13.1256	3.25	35.20
514	Shell-Thick	SLE-FREQ.	3.3303	9.8331	3.77	35.20
514	Shell-Thick	SLE-QP	2.5183	6.3719	2.40	26.89
514	Shell-Thick	SLE-QP	2.8561	8.5348	2.07	26.89
514	Shell-Thick	SLE-QP	2.4910	8.8751	2.07	27.46
514	Shell-Thick	SLE-QP	2.2119	6.3101	2.40	27.46
515	Shell-Thick	SLU-STATICA	8.2634	16.2682	6.90	51.46
515	Shell-Thick	SLU-STATICA	8.5209	20.2424	6.16	51.46
515	Shell-Thick	SLU-STATICA	7.4598	22.9188	6.16	52.75
515	Shell-Thick	SLU-STATICA	7.3654	17.8274	6.90	52.75
515	Shell-Thick	SLU-SISMICA	13.3807	27.7676	11.48	71.63
515	Shell-Thick	SLU-SISMICA	13.6344	33.2702	10.18	71.63
515	Shell-Thick	SLU-SISMICA	11.8888	37.3769	10.18	73.89
515	Shell-Thick	SLU-SISMICA	11.8765	30.2211	11.48	73.89
515	Shell-Thick	SLE-RARA	6.0065	11.7541	5.00	37.99
515	Shell-Thick	SLE-RARA	6.2019	14.6894	4.46	37.99
515	Shell-Thick	SLE-RARA	5.4319	16.6461	4.46	38.92
515	Shell-Thick	SLE-RARA	5.3563	12.8910	5.00	38.92
515	Shell-Thick	SLE-FREQ.	5.4379	10.5193	4.50	35.40
515	Shell-Thick	SLE-FREQ.	5.6287	13.2566	4.02	35.40
515	Shell-Thick	SLE-FREQ.	4.9340	15.0474	4.02	36.22
515	Shell-Thick	SLE-FREQ.	4.8535	11.5546	4.50	36.22
515	Shell-Thick	SLE-QP	3.7319	6.8148	3.00	27.61
515	Shell-Thick	SLE-QP	3.9093	8.9581	2.70	27.61
515	Shell-Thick	SLE-QP	3.4403	10.2516	2.70	28.13

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515	Shell-Thick	SLE-QP	3.3452	7.5455	3.00	28.13
516	Shell-Thick	SLU-STATICA	11.6760	19.1255	9.14	53.08
516	Shell-Thick	SLU-STATICA	11.8161	23.3541	8.72	53.08
516	Shell-Thick	SLU-STATICA	10.4152	22.6506	8.72	53.80
516	Shell-Thick	SLU-STATICA	10.3979	17.5814	9.14	53.80
516	Shell-Thick	SLU-SISMICA	18.4128	32.1589	14.48	74.36
516	Shell-Thick	SLU-SISMICA	18.5159	38.0718	13.62	74.36
516	Shell-Thick	SLU-SISMICA	16.3168	37.1491	13.62	75.84
516	Shell-Thick	SLU-SISMICA	16.3950	29.9954	14.48	75.84
516	Shell-Thick	SLE-RARA	8.5117	13.8427	6.66	39.16
516	Shell-Thick	SLE-RARA	8.6197	16.9630	6.36	39.16
516	Shell-Thick	SLE-RARA	7.5980	16.4408	6.36	39.67
516	Shell-Thick	SLE-RARA	7.5801	12.7036	6.66	39.67
516	Shell-Thick	SLE-FREQ.	7.7482	12.4303	6.05	36.44
516	Shell-Thick	SLE-FREQ.	7.8566	15.3352	5.80	36.44
516	Shell-Thick	SLE-FREQ.	6.9256	14.8440	5.80	36.88
516	Shell-Thick	SLE-FREQ.	6.9004	11.3702	6.05	36.88
516	Shell-Thick	SLE-QP	5.4577	8.1931	4.24	28.30
516	Shell-Thick	SLE-QP	5.5672	10.4519	4.12	28.30
516	Shell-Thick	SLE-QP	4.9086	10.0533	4.12	28.51
516	Shell-Thick	SLE-QP	4.8612	7.3699	4.24	28.51
517	Shell-Thick	SLU-STATICA	16.0454	19.2360	11.81	54.19
517	Shell-Thick	SLU-STATICA	16.7994	23.4023	11.84	54.19
517	Shell-Thick	SLU-STATICA	14.9453	23.6044	11.84	54.15
517	Shell-Thick	SLU-STATICA	14.3512	18.3461	11.81	54.15
517	Shell-Thick	SLU-SISMICA	24.8554	32.4437	17.99	76.40
517	Shell-Thick	SLU-SISMICA	25.8909	38.3077	17.71	76.40
517	Shell-Thick	SLU-SISMICA	23.0956	38.7340	17.71	76.88
517	Shell-Thick	SLU-SISMICA	22.2951	31.2640	17.99	76.88
517	Shell-Thick	SLE-RARA	11.7193	13.9178	8.64	39.95
517	Shell-Thick	SLE-RARA	12.2766	16.9902	8.68	39.95
517	Shell-Thick	SLE-RARA	10.9185	17.1321	8.68	39.90
517	Shell-Thick	SLE-RARA	10.4786	13.2579	8.64	39.90
517	Shell-Thick	SLE-FREQ.	10.7063	12.4892	7.92	37.14
517	Shell-Thick	SLE-FREQ.	11.2267	15.3463	7.98	37.14
517	Shell-Thick	SLE-FREQ.	9.9795	15.4664	7.98	37.05
517	Shell-Thick	SLE-FREQ.	9.5674	11.8694	7.92	37.05
517	Shell-Thick	SLE-QP	7.6674	8.2035	5.76	28.71
517	Shell-Thick	SLE-QP	8.0772	10.4147	5.89	28.71
517	Shell-Thick	SLE-QP	7.1625	10.4690	5.89	28.49
517	Shell-Thick	SLE-QP	6.8338	7.7039	5.76	28.49
518	Shell-Thick	SLU-STATICA	21.3585	20.3170	15.67	54.56
518	Shell-Thick	SLU-STATICA	22.9152	24.6289	16.67	54.56
518	Shell-Thick	SLU-STATICA	20.4361	20.9607	16.67	52.85
518	Shell-Thick	SLU-STATICA	18.9852	15.9287	15.67	52.85
518	Shell-Thick	SLU-SISMICA	32.6791	34.1502	23.13	77.47
518	Shell-Thick	SLU-SISMICA	34.9208	40.2897	24.15	77.47
518	Shell-Thick	SLU-SISMICA	31.2970	34.9602	24.15	75.71
518	Shell-Thick	SLU-SISMICA	29.2089	27.7746	23.13	75.71
518	Shell-Thick	SLE-RARA	15.6201	14.7058	11.51	40.20
518	Shell-Thick	SLE-RARA	16.7656	17.8820	12.26	40.20
518	Shell-Thick	SLE-RARA	14.9440	15.1852	12.26	38.91
518	Shell-Thick	SLE-RARA	13.8764	11.4796	11.51	38.91
518	Shell-Thick	SLE-FREQ.	14.3046	13.2064	10.61	37.33
518	Shell-Thick	SLE-FREQ.	15.3656	16.1540	11.34	37.33
518	Shell-Thick	SLE-FREQ.	13.6830	13.6603	11.34	36.07
518	Shell-Thick	SLE-FREQ.	12.6941	10.2231	10.61	36.07
518	Shell-Thick	SLE-QP	10.3583	8.7081	7.92	28.71
518	Shell-Thick	SLE-QP	11.1656	10.9703	8.59	28.71
518	Shell-Thick	SLE-QP	9.8999	9.0855	8.59	27.55
518	Shell-Thick	SLE-QP	9.1471	6.4534	7.92	27.55
519	Shell-Thick	SLU-STATICA	25.3244	17.8928	19.45	53.34
519	Shell-Thick	SLU-STATICA	28.9661	21.9704	21.67	53.34
519	Shell-Thick	SLU-STATICA	25.8231	20.1997	21.67	49.50
519	Shell-Thick	SLU-STATICA	22.2982	15.3307	19.45	49.50
519	Shell-Thick	SLU-SISMICA	38.4898	30.6101	28.12	76.40
519	Shell-Thick	SLU-SISMICA	43.8310	36.4876	30.75	76.40
519	Shell-Thick	SLU-SISMICA	39.3304	33.9711	30.75	71.84
519	Shell-Thick	SLU-SISMICA	34.1574	26.9523	28.12	71.84

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519	Shell-Thick	SLE-RARA	18.5332	12.9244	14.31	39.27
519	Shell-Thick	SLE-RARA	21.2081	15.9245	15.97	39.27
519	Shell-Thick	SLE-RARA	18.8942	14.6200	15.97	36.40
519	Shell-Thick	SLE-RARA	16.3053	11.0377	14.31	36.40
519	Shell-Thick	SLE-FREQ.	16.9943	11.5606	13.24	36.40
519	Shell-Thick	SLE-FREQ.	19.4636	14.3389	14.83	36.40
519	Shell-Thick	SLE-FREQ.	17.3183	13.1277	14.83	33.67
519	Shell-Thick	SLE-FREQ.	14.9286	9.8104	13.24	33.67
519	Shell-Thick	SLE-QP	12.3776	7.4693	10.05	27.81
519	Shell-Thick	SLE-QP	14.2300	9.5818	11.40	27.81
519	Shell-Thick	SLE-QP	12.5906	8.6511	11.40	25.47
519	Shell-Thick	SLE-QP	10.7988	6.1288	10.05	25.47
520	Shell-Thick	SLU-STATICA	26.9785	16.7583	23.04	49.85
520	Shell-Thick	SLU-STATICA	30.5765	20.6589	26.62	49.85
520	Shell-Thick	SLU-STATICA	26.8252	18.0945	26.62	43.66
520	Shell-Thick	SLU-STATICA	23.2777	13.8598	23.04	43.66
520	Shell-Thick	SLU-SISMICA	40.8948	28.9576	32.95	72.31
520	Shell-Thick	SLU-SISMICA	46.1758	34.6823	37.44	72.31
520	Shell-Thick	SLU-SISMICA	40.8604	30.9241	37.44	64.55
520	Shell-Thick	SLU-SISMICA	35.6482	24.7426	32.95	64.55
520	Shell-Thick	SLE-RARA	19.7493	12.0906	16.97	36.66
520	Shell-Thick	SLE-RARA	22.3917	14.9553	19.63	36.66
520	Shell-Thick	SLE-RARA	19.6272	13.0717	19.63	32.05
520	Shell-Thick	SLE-RARA	17.0221	9.9599	16.97	32.05
520	Shell-Thick	SLE-FREQ.	18.1187	10.7899	15.73	33.91
520	Shell-Thick	SLE-FREQ.	20.5576	13.4341	18.26	33.91
520	Shell-Thick	SLE-FREQ.	17.9898	11.6950	18.26	29.54
520	Shell-Thick	SLE-FREQ.	15.5857	8.8199	15.73	29.54
520	Shell-Thick	SLE-QP	13.2269	6.8880	12.04	25.66
520	Shell-Thick	SLE-QP	15.0555	8.8705	14.14	25.66
520	Shell-Thick	SLE-QP	13.0778	7.5651	14.14	22.02
520	Shell-Thick	SLE-QP	11.2768	5.4001	12.04	22.02
521	Shell-Thick	SLU-STATICA	8.0812	1.2743	33.08	6.69
521	Shell-Thick	SLU-STATICA	6.9166	2.1546	29.08	6.69
521	Shell-Thick	SLU-STATICA	2.2539	1.4662	29.08	13.62
521	Shell-Thick	SLU-STATICA	3.4178	0.5792	33.08	13.62
521	Shell-Thick	SLU-SISMICA	10.2664	1.7458	38.84	8.35
521	Shell-Thick	SLU-SISMICA	8.7061	2.8851	33.85	8.35
521	Shell-Thick	SLU-SISMICA	3.2597	2.3309	33.85	16.98
521	Shell-Thick	SLU-SISMICA	4.8069	1.2662	38.84	16.98
521	Shell-Thick	SLE-RARA	6.0146	0.9421	24.78	4.99
521	Shell-Thick	SLE-RARA	5.1518	1.5962	21.79	4.99
521	Shell-Thick	SLE-RARA	1.6577	1.0679	21.79	10.15
521	Shell-Thick	SLE-RARA	2.5205	0.4047	24.78	10.15
521	Shell-Thick	SLE-FREQ.	5.6867	0.8801	23.70	4.73
521	Shell-Thick	SLE-FREQ.	4.8777	1.4968	20.86	4.73
521	Shell-Thick	SLE-FREQ.	1.5342	0.9706	20.86	9.63
521	Shell-Thick	SLE-FREQ.	2.3442	0.3383	23.70	9.63
521	Shell-Thick	SLE-QP	4.7031	0.6942	20.44	3.95
521	Shell-Thick	SLE-QP	4.0555	1.1987	18.08	3.95
521	Shell-Thick	SLE-QP	1.1636	0.6784	18.08	8.05
521	Shell-Thick	SLE-QP	1.8153	0.1389	20.44	8.05
522	Shell-Thick	SLU-STATICA	5.3302	0.8061	26.24	13.52
522	Shell-Thick	SLU-STATICA	4.7041	2.1120	22.59	13.52
522	Shell-Thick	SLU-STATICA	1.0205	2.4425	22.59	19.82
522	Shell-Thick	SLU-STATICA	1.6872	0.8482	26.24	19.82
522	Shell-Thick	SLU-SISMICA	7.5223	1.5749	31.63	16.83
522	Shell-Thick	SLU-SISMICA	6.5416	3.2217	27.05	16.83
522	Shell-Thick	SLU-SISMICA	2.1167	4.0923	27.05	24.74
522	Shell-Thick	SLU-SISMICA	3.1427	2.1226	31.63	24.74
522	Shell-Thick	SLE-RARA	3.9297	0.5725	19.61	10.08
522	Shell-Thick	SLE-RARA	3.4730	1.5450	16.90	10.08
522	Shell-Thick	SLE-RARA	0.7186	1.7686	16.90	14.77
522	Shell-Thick	SLE-RARA	1.2059	0.5792	19.61	14.77
522	Shell-Thick	SLE-FREQ.	3.6526	0.4952	18.69	9.56
522	Shell-Thick	SLE-FREQ.	3.2363	1.4157	16.12	9.56
522	Shell-Thick	SLE-FREQ.	0.6108	1.5894	16.12	14.00
522	Shell-Thick	SLE-FREQ.	1.0566	0.4602	18.69	14.00
522	Shell-Thick	SLE-QP	2.8215	0.2633	15.91	8.00

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522	Shell-Thick	SLE-QP	2.5264	1.0279	13.77	8.00
522	Shell-Thick	SLE-QP	0.2874	1.0519	13.77	11.70
522	Shell-Thick	SLE-QP	0.6085	0.1031	15.91	11.70
523	Shell-Thick	SLU-STATICA	3.3565	1.1261	20.99	19.79
523	Shell-Thick	SLU-STATICA	3.3294	2.9602	17.79	19.79
523	Shell-Thick	SLU-STATICA	0.4015	3.2663	17.79	25.32
523	Shell-Thick	SLU-STATICA	0.4647	1.1763	20.99	25.32
523	Shell-Thick	SLU-SISMICA	5.3920	2.4756	26.08	24.69
523	Shell-Thick	SLU-SISMICA	5.1563	4.7970	21.99	24.69
523	Shell-Thick	SLU-SISMICA	1.5314	5.5383	21.99	31.76
523	Shell-Thick	SLU-SISMICA	1.8045	2.9495	26.08	31.76
523	Shell-Thick	SLE-RARA	2.4419	0.7860	15.65	14.75
523	Shell-Thick	SLE-RARA	2.4318	2.1516	13.27	14.75
523	Shell-Thick	SLE-RARA	0.2480	2.3618	13.27	18.87
523	Shell-Thick	SLE-RARA	0.2854	0.8030	15.65	18.87
523	Shell-Thick	SLE-FREQ.	2.2144	0.6557	14.85	13.99
523	Shell-Thick	SLE-FREQ.	2.2217	1.9476	12.60	13.99
523	Shell-Thick	SLE-FREQ.	0.1490	2.1169	12.60	17.87
523	Shell-Thick	SLE-FREQ.	0.1682	0.6374	14.85	17.87
523	Shell-Thick	SLE-QP	1.5319	0.2649	12.44	11.69
523	Shell-Thick	SLE-QP	1.5914	1.3356	10.59	11.69
523	Shell-Thick	SLE-QP	-0.1479	1.3820	10.59	14.89
523	Shell-Thick	SLE-QP	-0.1832	0.1409	12.44	14.89
524	Shell-Thick	SLU-STATICA	2.1927	1.5130	16.80	25.33
524	Shell-Thick	SLU-STATICA	2.3437	3.6636	14.05	25.33
524	Shell-Thick	SLU-STATICA	-0.0084	4.9204	14.05	30.08
524	Shell-Thick	SLU-STATICA	-0.0847	2.2514	16.80	30.08
524	Shell-Thick	SLU-SISMICA	4.1151	3.3753	21.55	31.75
524	Shell-Thick	SLU-SISMICA	4.0560	6.0795	17.96	31.75
524	Shell-Thick	SLU-SISMICA	1.0444	8.1545	17.96	37.96
524	Shell-Thick	SLU-SISMICA	1.1979	4.7946	21.55	37.96
524	Shell-Thick	SLE-RARA	1.5657	1.0537	12.49	18.87
524	Shell-Thick	SLE-RARA	1.6906	2.6557	10.45	18.87
524	Shell-Thick	SLE-RARA	-0.0588	3.5672	10.45	22.40
524	Shell-Thick	SLE-RARA	-0.1281	1.5792	12.49	22.40
524	Shell-Thick	SLE-FREQ.	1.3691	0.8747	11.80	17.88
524	Shell-Thick	SLE-FREQ.	1.5082	2.3917	9.88	17.88
524	Shell-Thick	SLE-FREQ.	-0.1439	3.2135	9.88	21.20
524	Shell-Thick	SLE-FREQ.	-0.2304	1.3313	11.80	21.20
524	Shell-Thick	SLE-QP	0.7793	0.3376	9.70	14.90
524	Shell-Thick	SLE-QP	0.9610	1.5996	8.14	14.90
524	Shell-Thick	SLE-QP	-0.3991	2.1522	8.14	17.60
524	Shell-Thick	SLE-QP	-0.5371	0.5875	9.70	17.60
525	Shell-Thick	SLU-STATICA	1.3560	2.6411	13.59	30.16
525	Shell-Thick	SLU-STATICA	2.0115	5.2227	11.23	30.16
525	Shell-Thick	SLU-STATICA	0.1176	6.1902	11.23	34.23
525	Shell-Thick	SLU-STATICA	-0.4748	3.1703	13.59	34.23
525	Shell-Thick	SLU-SISMICA	3.1045	5.2973	18.08	38.06
525	Shell-Thick	SLU-SISMICA	3.7489	8.5740	14.92	38.06
525	Shell-Thick	SLU-SISMICA	1.2341	10.1656	14.92	43.54
525	Shell-Thick	SLU-SISMICA	0.6681	6.3440	18.08	43.54
525	Shell-Thick	SLE-RARA	0.9404	1.8689	10.07	22.46
525	Shell-Thick	SLE-RARA	1.4376	3.7905	8.33	22.46
525	Shell-Thick	SLE-RARA	0.0335	4.4925	8.33	25.48
525	Shell-Thick	SLE-RARA	-0.4167	2.2441	10.07	25.48
525	Shell-Thick	SLE-FREQ.	0.7735	1.6046	9.46	21.26
525	Shell-Thick	SLE-FREQ.	1.2594	3.4216	7.82	21.26
525	Shell-Thick	SLE-FREQ.	-0.0591	4.0550	7.82	24.08
525	Shell-Thick	SLE-FREQ.	-0.5004	1.9280	9.46	24.08
525	Shell-Thick	SLE-QP	0.2728	0.8115	7.60	17.65
525	Shell-Thick	SLE-QP	0.7247	2.3150	6.30	17.65
525	Shell-Thick	SLE-QP	-0.3369	2.7426	6.30	19.90
525	Shell-Thick	SLE-QP	-0.7513	0.9795	7.60	19.90
526	Shell-Thick	SLU-STATICA	1.1279	3.6031	10.92	34.33
526	Shell-Thick	SLU-STATICA	1.6868	6.3919	8.92	34.33
526	Shell-Thick	SLU-STATICA	0.1477	8.3301	8.92	37.80
526	Shell-Thick	SLU-STATICA	-0.3101	4.8447	10.92	37.80
526	Shell-Thick	SLU-SISMICA	2.8646	6.9174	15.12	43.65
526	Shell-Thick	SLU-SISMICA	3.3494	10.4546	12.34	43.65

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526	Shell-Thick	SLU-SISMICA	1.2213	13.4573	12.34	48.46
526	Shell-Thick	SLU-SISMICA	0.8726	8.9817	15.12	48.46
526	Shell-Thick	SLE-RARA	0.7681	2.5651	8.07	25.55
526	Shell-Thick	SLE-RARA	1.1953	4.6409	6.59	25.55
526	Shell-Thick	SLE-RARA	0.0584	6.0566	6.59	28.11
526	Shell-Thick	SLE-RARA	-0.2939	3.4649	8.07	28.11
526	Shell-Thick	SLE-FREQ.	0.6065	2.2294	7.53	24.15
526	Shell-Thick	SLE-FREQ.	1.0292	4.1926	6.14	24.15
526	Shell-Thick	SLE-FREQ.	-0.0312	5.4859	6.14	26.54
526	Shell-Thick	SLE-FREQ.	-0.3838	3.0395	7.53	26.54
526	Shell-Thick	SLE-QP	0.1215	1.2226	5.89	19.96
526	Shell-Thick	SLE-QP	0.5309	2.8477	4.81	19.96
526	Shell-Thick	SLE-QP	-0.3002	3.7738	4.81	21.83
526	Shell-Thick	SLE-QP	-0.6537	1.7632	5.89	21.83
527	Shell-Thick	SLU-STATICA	0.9074	5.3137	8.94	37.97
527	Shell-Thick	SLU-STATICA	1.9455	8.4641	7.21	37.97
527	Shell-Thick	SLU-STATICA	0.6935	9.7890	7.21	40.96
527	Shell-Thick	SLU-STATICA	-0.2627	6.0733	8.94	40.96
527	Shell-Thick	SLU-SISMICA	2.5587	9.6208	12.93	48.69
527	Shell-Thick	SLU-SISMICA	3.7584	13.6628	10.46	48.69
527	Shell-Thick	SLU-SISMICA	1.9488	15.7437	10.46	52.96
527	Shell-Thick	SLU-SISMICA	0.8592	10.9427	12.93	52.96
527	Shell-Thick	SLE-RARA	0.6053	3.8118	6.57	28.24
527	Shell-Thick	SLE-RARA	1.3838	6.1546	5.30	28.24
527	Shell-Thick	SLE-RARA	0.4629	7.1208	5.30	30.44
527	Shell-Thick	SLE-RARA	-0.2549	4.3594	6.57	30.44
527	Shell-Thick	SLE-FREQ.	0.4546	3.3638	6.08	26.66
527	Shell-Thick	SLE-FREQ.	1.2007	5.5756	4.90	26.66
527	Shell-Thick	SLE-FREQ.	0.3483	6.4559	4.90	28.70
527	Shell-Thick	SLE-FREQ.	-0.3408	3.8517	6.08	28.70
527	Shell-Thick	SLE-QP	0.0027	2.0200	4.61	21.93
527	Shell-Thick	SLE-QP	0.6514	3.8387	3.71	21.93
527	Shell-Thick	SLE-QP	0.0046	4.4611	3.71	23.49
527	Shell-Thick	SLE-QP	-0.5986	2.3287	4.61	23.49
528	Shell-Thick	SLU-STATICA	1.2271	6.5706	7.22	41.12
528	Shell-Thick	SLU-STATICA	1.9462	9.8402	5.73	41.12
528	Shell-Thick	SLU-STATICA	0.9141	12.2924	5.73	43.69
528	Shell-Thick	SLU-STATICA	0.3171	8.1846	7.22	43.69
528	Shell-Thick	SLU-SISMICA	3.0133	11.6381	10.96	53.17
528	Shell-Thick	SLU-SISMICA	3.7547	15.8401	8.76	53.17
528	Shell-Thick	SLU-SISMICA	2.1898	19.5987	8.76	56.98
528	Shell-Thick	SLU-SISMICA	1.6200	14.2179	10.96	56.98
528	Shell-Thick	SLE-RARA	0.8409	4.7263	5.28	30.55
528	Shell-Thick	SLE-RARA	1.3846	7.1574	4.19	30.55
528	Shell-Thick	SLE-RARA	0.6291	8.9504	4.19	32.44
528	Shell-Thick	SLE-RARA	0.1754	5.9012	5.28	32.44
528	Shell-Thick	SLE-FREQ.	0.6733	4.1933	4.84	28.81
528	Shell-Thick	SLE-FREQ.	1.2019	6.4878	3.84	28.81
528	Shell-Thick	SLE-FREQ.	0.5088	8.1293	3.84	30.55
528	Shell-Thick	SLE-FREQ.	0.0640	5.2599	4.84	30.55
528	Shell-Thick	SLE-QP	0.1708	2.5943	3.53	23.58
528	Shell-Thick	SLE-QP	0.6536	4.4792	2.78	23.58
528	Shell-Thick	SLE-QP	0.1477	5.6659	2.78	24.87
528	Shell-Thick	SLE-QP	-0.2702	3.3359	3.53	24.87
529	Shell-Thick	SLU-STATICA	1.3634	8.7135	6.07	43.93
529	Shell-Thick	SLU-STATICA	2.5794	12.3058	4.77	43.93
529	Shell-Thick	SLU-STATICA	1.7186	13.7418	4.77	46.18
529	Shell-Thick	SLU-STATICA	0.5979	9.4948	6.07	46.18
529	Shell-Thick	SLU-SISMICA	3.1759	14.9754	9.70	57.32
529	Shell-Thick	SLU-SISMICA	4.6773	19.6499	7.70	57.32
529	Shell-Thick	SLU-SISMICA	3.3051	21.9118	7.70	60.77
529	Shell-Thick	SLU-SISMICA	1.9381	16.3135	9.70	60.77
529	Shell-Thick	SLE-RARA	0.9428	6.2906	4.42	32.62
529	Shell-Thick	SLE-RARA	1.8500	8.9587	3.47	32.62
529	Shell-Thick	SLE-RARA	1.2232	10.0056	3.47	34.27
529	Shell-Thick	SLE-RARA	0.3863	6.8549	4.42	34.27
529	Shell-Thick	SLE-FREQ.	0.7706	5.6209	4.01	30.72
529	Shell-Thick	SLE-FREQ.	1.6320	8.1342	3.14	30.72
529	Shell-Thick	SLE-FREQ.	1.0627	9.0875	3.14	32.23

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529	Shell-Thick	SLE-FREQ.	0.2666	6.1255	4.01	32.23
529	Shell-Thick	SLE-QP	0.2540	3.6117	2.79	25.00
529	Shell-Thick	SLE-QP	0.9779	5.6609	2.16	25.00
529	Shell-Thick	SLE-QP	0.5810	6.3331	2.16	26.09
529	Shell-Thick	SLE-QP	-0.0924	3.9373	2.79	26.09
530	Shell-Thick	SLU-STATICA	2.0602	10.0497	5.04	46.39
530	Shell-Thick	SLU-STATICA	2.7776	13.6912	3.87	46.39
530	Shell-Thick	SLU-STATICA	2.0391	16.6056	3.87	48.40
530	Shell-Thick	SLU-STATICA	1.4621	12.0014	5.04	48.40
530	Shell-Thick	SLU-SISMICA	4.1648	17.1239	8.47	61.05
530	Shell-Thick	SLU-SISMICA	4.9516	21.8760	6.63	61.05
530	Shell-Thick	SLU-SISMICA	3.7168	26.3506	6.63	64.23
530	Shell-Thick	SLU-SISMICA	3.1334	20.2038	8.47	64.23
530	Shell-Thick	SLE-RARA	1.4562	7.2625	3.64	34.42
530	Shell-Thick	SLE-RARA	1.9963	9.9665	2.80	34.42
530	Shell-Thick	SLE-RARA	1.4615	12.0971	2.80	35.88
530	Shell-Thick	SLE-RARA	1.0246	8.6853	3.64	35.88
530	Shell-Thick	SLE-FREQ.	1.2474	6.5021	3.27	32.37
530	Shell-Thick	SLE-FREQ.	1.7685	9.0482	2.50	32.37
530	Shell-Thick	SLE-FREQ.	1.2876	10.9980	2.50	33.70
530	Shell-Thick	SLE-FREQ.	0.8620	7.7971	3.27	33.70
530	Shell-Thick	SLE-QP	0.6208	4.2208	2.16	26.20
530	Shell-Thick	SLE-QP	1.0848	6.2930	1.61	26.20
530	Shell-Thick	SLE-QP	0.7658	7.7006	1.61	27.14
530	Shell-Thick	SLE-QP	0.3742	5.1324	2.16	27.14
531	Shell-Thick	SLU-STATICA	2.5071	12.6012	4.61	48.69
531	Shell-Thick	SLU-STATICA	3.7253	16.5521	3.56	48.69
531	Shell-Thick	SLU-STATICA	3.0598	17.9209	3.56	50.51
531	Shell-Thick	SLU-STATICA	1.9476	13.2424	4.61	50.51
531	Shell-Thick	SLU-SISMICA	4.7855	21.0938	8.05	64.65
531	Shell-Thick	SLU-SISMICA	6.3423	26.3162	6.33	64.65
531	Shell-Thick	SLU-SISMICA	5.1862	28.5148	6.33	67.61
531	Shell-Thick	SLU-SISMICA	3.7839	22.2317	8.05	67.61
531	Shell-Thick	SLE-RARA	1.7862	9.1252	3.32	36.10
531	Shell-Thick	SLE-RARA	2.6924	12.0557	2.56	36.10
531	Shell-Thick	SLE-RARA	2.2125	13.0515	2.56	37.42
531	Shell-Thick	SLE-RARA	1.3843	9.5864	3.32	37.42
531	Shell-Thick	SLE-FREQ.	1.5550	8.2023	2.96	33.90
531	Shell-Thick	SLE-FREQ.	2.4110	10.9560	2.26	33.90
531	Shell-Thick	SLE-FREQ.	1.9832	11.8591	2.26	35.09
531	Shell-Thick	SLE-FREQ.	1.1992	8.6113	2.96	35.09
531	Shell-Thick	SLE-QP	0.8611	5.4335	1.86	27.29
531	Shell-Thick	SLE-QP	1.5666	7.6570	1.39	27.29
531	Shell-Thick	SLE-QP	1.2953	8.2818	1.39	28.11
531	Shell-Thick	SLE-QP	0.6441	5.6859	1.86	28.11
532	Shell-Thick	SLU-STATICA	3.5796	13.8828	4.20	50.75
532	Shell-Thick	SLU-STATICA	4.1756	17.8301	3.19	50.75
532	Shell-Thick	SLU-STATICA	3.5414	21.2502	3.19	52.50
532	Shell-Thick	SLU-STATICA	3.1041	16.2158	4.20	52.50
532	Shell-Thick	SLU-SISMICA	6.3426	23.1928	7.56	67.96
532	Shell-Thick	SLU-SISMICA	7.0012	28.4284	5.88	67.96
532	Shell-Thick	SLU-SISMICA	5.8759	33.6907	5.88	70.85
532	Shell-Thick	SLU-SISMICA	5.4514	26.8512	7.56	70.85
532	Shell-Thick	SLE-RARA	2.5748	10.0556	3.02	37.60
532	Shell-Thick	SLE-RARA	3.0233	12.9825	2.29	37.60
532	Shell-Thick	SLE-RARA	2.5672	15.4822	2.29	38.87
532	Shell-Thick	SLE-RARA	2.2352	11.7575	3.02	38.87
532	Shell-Thick	SLE-FREQ.	2.2842	9.0426	2.67	35.26
532	Shell-Thick	SLE-FREQ.	2.7165	11.7914	2.01	35.26
532	Shell-Thick	SLE-FREQ.	2.3120	14.0781	2.01	36.40
532	Shell-Thick	SLE-FREQ.	1.9871	10.5935	2.67	36.40
532	Shell-Thick	SLE-QP	1.4126	6.0034	1.62	28.23
532	Shell-Thick	SLE-QP	1.7963	8.2182	1.18	28.23
532	Shell-Thick	SLE-QP	1.5466	9.8658	1.18	29.00
532	Shell-Thick	SLE-QP	1.2431	7.1018	1.62	29.00
533	Shell-Thick	SLU-STATICA	4.5413	16.9424	4.58	52.82
533	Shell-Thick	SLU-STATICA	5.5208	21.2070	3.64	52.82
533	Shell-Thick	SLU-STATICA	4.8453	22.3598	3.64	54.46
533	Shell-Thick	SLU-STATICA	3.9831	17.2914	4.58	54.46



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533	Shell-Thick	SLU-SISMICA	7.7448	27.9483	8.14	71.33
533	Shell-Thick	SLU-SISMICA	8.9973	33.6766	6.55	71.33
533	Shell-Thick	SLU-SISMICA	7.8086	35.5874	6.55	74.08
533	Shell-Thick	SLU-SISMICA	6.7300	28.6663	8.14	74.08
533	Shell-Thick	SLE-RARA	3.2815	12.2895	3.30	39.11
533	Shell-Thick	SLE-RARA	4.0101	15.4480	2.61	39.11
533	Shell-Thick	SLE-RARA	3.5238	16.2838	2.61	40.29
533	Shell-Thick	SLE-RARA	2.8813	12.5356	3.30	40.29
533	Shell-Thick	SLE-FREQ.	2.9373	11.0820	2.92	36.62
533	Shell-Thick	SLE-FREQ.	3.6255	14.0424	2.31	36.62
533	Shell-Thick	SLE-FREQ.	3.1934	14.7953	2.31	37.68
533	Shell-Thick	SLE-FREQ.	2.5845	11.2917	2.92	37.68
533	Shell-Thick	SLE-QP	1.9047	7.4595	1.80	29.17
533	Shell-Thick	SLE-QP	2.4717	9.8254	1.40	29.17
533	Shell-Thick	SLE-QP	2.2022	10.3296	1.40	29.87
533	Shell-Thick	SLE-QP	1.6941	7.5601	1.80	29.87
534	Shell-Thick	SLU-STATICA	6.2476	18.1126	5.02	54.74
534	Shell-Thick	SLU-STATICA	6.5979	22.3420	4.02	54.74
534	Shell-Thick	SLU-STATICA	5.8312	26.2145	4.02	56.48
534	Shell-Thick	SLU-STATICA	5.6586	20.7688	5.02	56.48
534	Shell-Thick	SLU-SISMICA	10.2643	29.9084	8.70	74.49
534	Shell-Thick	SLU-SISMICA	10.6030	35.6110	7.02	74.49
534	Shell-Thick	SLU-SISMICA	9.2918	41.5706	7.02	77.40
534	Shell-Thick	SLU-SISMICA	9.2170	34.0598	8.70	77.40
534	Shell-Thick	SLE-RARA	4.5339	13.1369	3.62	40.50
534	Shell-Thick	SLE-RARA	4.7999	16.2683	2.89	40.50
534	Shell-Thick	SLE-RARA	4.2461	19.0986	2.89	41.75
534	Shell-Thick	SLE-RARA	4.1104	15.0751	3.62	41.75
534	Shell-Thick	SLE-FREQ.	4.0920	11.8436	3.23	37.88
534	Shell-Thick	SLE-FREQ.	4.3524	14.7767	2.58	37.88
534	Shell-Thick	SLE-FREQ.	3.8570	17.3658	2.58	39.00
534	Shell-Thick	SLE-FREQ.	3.7166	13.6111	3.23	39.00
534	Shell-Thick	SLE-QP	2.7664	7.9637	2.05	30.01
534	Shell-Thick	SLE-QP	3.0099	10.3020	1.62	30.01
534	Shell-Thick	SLE-QP	2.6898	12.1671	1.62	30.76
534	Shell-Thick	SLE-QP	2.5353	9.2192	2.05	30.76
535	Shell-Thick	SLU-STATICA	8.4350	21.7802	6.63	56.82
535	Shell-Thick	SLU-STATICA	8.7617	26.3445	5.73	56.82
535	Shell-Thick	SLU-STATICA	7.7691	26.9719	5.73	58.37
535	Shell-Thick	SLU-STATICA	7.5726	21.5156	6.63	58.37
535	Shell-Thick	SLU-SISMICA	13.5061	35.5841	10.89	77.90
535	Shell-Thick	SLU-SISMICA	13.8314	41.8120	9.36	77.90
535	Shell-Thick	SLU-SISMICA	12.2157	42.9540	9.36	80.55
535	Shell-Thick	SLU-SISMICA	12.0841	35.3980	10.89	80.55
535	Shell-Thick	SLE-RARA	6.1388	15.8159	4.81	42.00
535	Shell-Thick	SLE-RARA	6.3864	19.1916	4.16	42.00
535	Shell-Thick	SLE-RARA	5.6654	19.6413	4.16	43.13
535	Shell-Thick	SLE-RARA	5.5133	15.6115	4.81	43.13
535	Shell-Thick	SLE-FREQ.	5.5707	14.2915	4.34	39.23
535	Shell-Thick	SLE-FREQ.	5.8123	17.4472	3.76	39.23
535	Shell-Thick	SLE-FREQ.	5.1603	17.8436	3.76	40.24
535	Shell-Thick	SLE-FREQ.	5.0066	14.0857	4.34	40.24
535	Shell-Thick	SLE-QP	3.8664	9.7184	2.94	30.93
535	Shell-Thick	SLE-QP	4.0900	12.2143	2.56	30.93
535	Shell-Thick	SLE-QP	3.6450	12.4505	2.56	31.58
535	Shell-Thick	SLE-QP	3.4865	9.5083	2.94	31.58
536	Shell-Thick	SLU-STATICA	11.8250	22.8108	8.60	58.71
536	Shell-Thick	SLU-STATICA	11.7503	27.3234	7.78	58.71
536	Shell-Thick	SLU-STATICA	10.4256	30.4493	7.78	60.14
536	Shell-Thick	SLU-STATICA	10.6923	24.6231	8.60	60.14
536	Shell-Thick	SLU-SISMICA	18.5364	37.3360	13.46	81.04
536	Shell-Thick	SLU-SISMICA	18.2847	43.5203	12.02	81.04
536	Shell-Thick	SLU-SISMICA	16.2310	48.3721	12.02	83.54
536	Shell-Thick	SLU-SISMICA	16.7673	40.2395	13.46	83.54
536	Shell-Thick	SLE-RARA	8.6258	16.5609	6.28	43.37
536	Shell-Thick	SLE-RARA	8.5780	19.8970	5.68	43.37
536	Shell-Thick	SLE-RARA	7.6106	22.1796	5.68	44.40
536	Shell-Thick	SLE-RARA	7.7992	17.8798	6.28	44.40
536	Shell-Thick	SLE-FREQ.	7.8616	14.9589	5.72	40.47



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536	Shell-Thick	SLE-FREQ.	7.8295	18.0753	5.19	40.47
536	Shell-Thick	SLE-FREQ.	6.9459	20.1598	5.19	41.39
536	Shell-Thick	SLE-FREQ.	7.1077	16.1556	5.72	41.39
536	Shell-Thick	SLE-QP	5.5689	10.1528	4.06	31.75
536	Shell-Thick	SLE-QP	5.5840	12.6103	3.73	31.75
536	Shell-Thick	SLE-QP	4.9517	14.1005	3.73	32.33
536	Shell-Thick	SLE-QP	5.0331	10.9829	4.06	32.33
537	Shell-Thick	SLU-STATICA	17.0143	26.4037	12.30	60.52
537	Shell-Thick	SLU-STATICA	16.8928	31.2266	12.09	60.52
537	Shell-Thick	SLU-STATICA	14.9959	28.9478	12.09	60.89
537	Shell-Thick	SLU-STATICA	15.2515	23.2085	12.30	60.89
537	Shell-Thick	SLU-SISMICA	26.2210	42.8777	18.41	84.09
537	Shell-Thick	SLU-SISMICA	25.9244	49.5633	17.81	84.09
537	Shell-Thick	SLU-SISMICA	23.1081	46.3834	17.81	85.14
537	Shell-Thick	SLU-SISMICA	23.6022	38.3471	18.41	85.14
537	Shell-Thick	SLE-RARA	12.4337	19.1863	9.02	44.69
537	Shell-Thick	SLE-RARA	12.3503	22.7480	8.87	44.69
537	Shell-Thick	SLE-RARA	10.9588	21.0662	8.87	44.93
537	Shell-Thick	SLE-RARA	11.1406	16.8317	9.02	44.93
537	Shell-Thick	SLE-FREQ.	11.3705	17.3594	8.29	41.65
537	Shell-Thick	SLE-FREQ.	11.3036	20.6801	8.19	41.65
537	Shell-Thick	SLE-FREQ.	10.0219	19.1139	8.19	41.83
537	Shell-Thick	SLE-FREQ.	10.1796	15.1726	8.29	41.83
537	Shell-Thick	SLE-QP	8.1809	11.8787	6.12	32.53
537	Shell-Thick	SLE-QP	8.1634	14.4767	6.12	32.53
537	Shell-Thick	SLE-QP	7.2113	13.2570	6.12	32.53
537	Shell-Thick	SLE-QP	7.2968	10.1953	6.12	32.53
538	Shell-Thick	SLU-STATICA	23.2044	25.5230	16.56	61.41
538	Shell-Thick	SLU-STATICA	24.9724	30.2192	17.28	61.41
538	Shell-Thick	SLU-STATICA	22.3469	28.9729	17.28	60.16
538	Shell-Thick	SLU-STATICA	20.7523	23.0933	16.56	60.16
538	Shell-Thick	SLU-SISMICA	35.3556	41.7379	24.01	85.89
538	Shell-Thick	SLU-SISMICA	37.8754	48.2967	24.62	85.89
538	Shell-Thick	SLU-SISMICA	34.1005	46.6670	24.62	84.83
538	Shell-Thick	SLU-SISMICA	31.8347	38.3744	24.01	84.83
538	Shell-Thick	SLE-RARA	16.9774	18.5319	12.18	45.32
538	Shell-Thick	SLE-RARA	18.2797	21.9976	12.73	45.32
538	Shell-Thick	SLE-RARA	16.3474	21.0723	12.73	44.36
538	Shell-Thick	SLE-RARA	15.1726	16.7373	12.18	44.36
538	Shell-Thick	SLE-FREQ.	15.5602	16.7424	11.26	42.19
538	Shell-Thick	SLE-FREQ.	16.7686	19.9695	11.81	42.19
538	Shell-Thick	SLE-FREQ.	14.9785	19.0986	11.81	41.23
538	Shell-Thick	SLE-FREQ.	13.8878	15.0688	11.26	41.23
538	Shell-Thick	SLE-QP	11.3086	11.3739	8.53	32.80
538	Shell-Thick	SLE-QP	12.2353	13.8855	9.06	32.80
538	Shell-Thick	SLE-QP	10.8715	13.1776	9.06	31.87
538	Shell-Thick	SLE-QP	10.0332	10.0633	8.53	31.87
539	Shell-Thick	SLU-STATICA	29.4272	25.5504	21.98	60.67
539	Shell-Thick	SLU-STATICA	32.7026	30.3219	24.57	60.67
539	Shell-Thick	SLU-STATICA	29.1646	25.1124	24.57	56.20
539	Shell-Thick	SLU-STATICA	25.9816	19.7171	21.98	56.20
539	Shell-Thick	SLU-SISMICA	44.5043	41.9209	31.25	85.56
539	Shell-Thick	SLU-SISMICA	49.2573	48.6857	34.35	85.56
539	Shell-Thick	SLU-SISMICA	44.2702	41.1524	34.35	80.21
539	Shell-Thick	SLU-SISMICA	39.6488	33.4966	31.25	80.21
539	Shell-Thick	SLE-RARA	21.5469	18.5449	16.19	44.74
539	Shell-Thick	SLE-RARA	23.9551	22.0611	18.13	44.74
539	Shell-Thick	SLE-RARA	21.3464	18.2294	18.13	41.39
539	Shell-Thick	SLE-RARA	19.0062	14.2539	16.19	41.39
539	Shell-Thick	SLE-FREQ.	19.7766	16.7423	15.03	41.59
539	Shell-Thick	SLE-FREQ.	22.0040	20.0080	16.88	41.59
539	Shell-Thick	SLE-FREQ.	19.5787	16.4618	16.88	38.39
539	Shell-Thick	SLE-FREQ.	17.4144	12.7700	15.03	38.39
539	Shell-Thick	SLE-QP	14.4656	11.3345	11.54	32.14
539	Shell-Thick	SLE-QP	16.1506	13.8487	13.13	32.14
539	Shell-Thick	SLE-QP	14.2756	11.1588	13.13	29.41
539	Shell-Thick	SLE-QP	12.6390	8.3184	11.54	29.41
540	Shell-Thick	SLU-STATICA	31.0730	21.5110	26.26	56.74
540	Shell-Thick	SLU-STATICA	36.5198	25.8078	30.65	56.74

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540	Shell-Thick	SLU-STATICA	32.2048	24.7648	30.65	49.15
540	Shell-Thick	SLU-STATICA	26.8503	19.8506	26.26	49.15
540	Shell-Thick	SLU-SISMICA	46.8784	36.0083	36.95	80.96
540	Shell-Thick	SLU-SISMICA	54.8479	42.2021	42.45	80.96
540	Shell-Thick	SLU-SISMICA	48.8269	40.8098	42.45	71.45
540	Shell-Thick	SLU-SISMICA	40.9872	33.7453	36.95	71.45
540	Shell-Thick	SLE-RARA	22.7577	15.5774	19.36	41.78
540	Shell-Thick	SLE-RARA	26.7592	18.7387	22.63	41.78
540	Shell-Thick	SLE-RARA	23.5746	17.9658	22.63	36.13
540	Shell-Thick	SLE-RARA	19.6411	14.3493	19.36	36.13
540	Shell-Thick	SLE-FREQ.	20.8977	14.0019	18.01	38.76
540	Shell-Thick	SLE-FREQ.	24.5933	16.9294	21.11	38.76
540	Shell-Thick	SLE-FREQ.	21.6274	16.2042	21.11	33.40
540	Shell-Thick	SLE-FREQ.	17.9951	12.8536	18.01	33.40
540	Shell-Thick	SLE-QP	15.3177	9.2755	13.94	29.70
540	Shell-Thick	SLE-QP	18.0953	11.5014	16.52	29.70
540	Shell-Thick	SLE-QP	15.7855	10.9195	16.52	25.23
540	Shell-Thick	SLE-QP	13.0569	8.3666	13.94	25.23
541	Shell-Thick	SLU-STATICA	6.4138	0.8848	29.37	8.11
541	Shell-Thick	SLU-STATICA	5.3532	1.8286	24.71	8.11
541	Shell-Thick	SLU-STATICA	1.2812	1.9808	24.71	16.16
541	Shell-Thick	SLU-STATICA	2.3724	0.8141	29.37	16.16
541	Shell-Thick	SLU-SISMICA	8.0815	1.2225	34.19	9.81
541	Shell-Thick	SLU-SISMICA	6.6641	2.3799	28.53	9.81
541	Shell-Thick	SLU-SISMICA	1.9425	2.9359	28.53	19.58
541	Shell-Thick	SLU-SISMICA	3.3929	1.5363	34.19	19.58
541	Shell-Thick	SLE-RARA	4.7769	0.6536	22.01	6.06
541	Shell-Thick	SLE-RARA	3.9910	1.3581	18.53	6.06
541	Shell-Thick	SLE-RARA	0.9379	1.4534	18.53	12.07
541	Shell-Thick	SLE-RARA	1.7468	0.5809	22.01	12.07
541	Shell-Thick	SLE-FREQ.	4.5220	0.6097	21.07	5.77
541	Shell-Thick	SLE-FREQ.	3.7849	1.2793	17.76	5.77
541	Shell-Thick	SLE-FREQ.	0.8604	1.3390	17.76	11.49
541	Shell-Thick	SLE-FREQ.	1.6198	0.5072	21.07	11.49
541	Shell-Thick	SLE-QP	3.7575	0.4781	18.26	4.90
541	Shell-Thick	SLE-QP	3.1665	1.0430	15.45	4.90
541	Shell-Thick	SLE-QP	0.6280	0.9961	15.45	9.75
541	Shell-Thick	SLE-QP	1.2390	0.2862	18.26	9.75
542	Shell-Thick	SLU-STATICA	4.1908	1.0313	22.94	16.06
542	Shell-Thick	SLU-STATICA	3.8377	2.6386	18.83	16.06
542	Shell-Thick	SLU-STATICA	0.6902	3.0133	18.83	23.17
542	Shell-Thick	SLU-STATICA	1.0706	1.2072	22.94	23.17
542	Shell-Thick	SLU-SISMICA	5.8884	1.8296	27.49	19.45
542	Shell-Thick	SLU-SISMICA	5.2812	3.8094	22.43	19.45
542	Shell-Thick	SLU-SISMICA	1.5238	4.5825	22.43	28.21
542	Shell-Thick	SLU-SISMICA	2.1562	2.4163	27.49	28.21
542	Shell-Thick	SLE-RARA	3.0910	0.7417	17.16	12.00
542	Shell-Thick	SLE-RARA	2.8361	1.9410	14.09	12.00
542	Shell-Thick	SLE-RARA	0.4815	2.2051	14.09	17.31
542	Shell-Thick	SLE-RARA	0.7572	0.8545	17.16	17.31
542	Shell-Thick	SLE-FREQ.	2.8752	0.6578	16.36	11.43
542	Shell-Thick	SLE-FREQ.	2.6475	1.7970	13.45	11.43
542	Shell-Thick	SLE-FREQ.	0.4011	2.0217	13.45	16.47
542	Shell-Thick	SLE-FREQ.	0.6493	0.7341	16.36	16.47
542	Shell-Thick	SLE-QP	2.2281	0.4061	13.97	9.71
542	Shell-Thick	SLE-QP	2.0819	1.3647	11.52	9.71
542	Shell-Thick	SLE-QP	0.1599	1.4718	11.52	13.95
542	Shell-Thick	SLE-QP	0.3256	0.3728	13.97	13.95
543	Shell-Thick	SLU-STATICA	2.8280	1.4792	18.04	23.13
543	Shell-Thick	SLU-STATICA	2.7832	3.5114	14.55	23.13
543	Shell-Thick	SLU-STATICA	0.3038	4.8392	14.55	29.16
543	Shell-Thick	SLU-STATICA	0.4179	2.3223	18.04	29.16
543	Shell-Thick	SLU-SISMICA	4.4980	2.7619	22.29	28.14
543	Shell-Thick	SLU-SISMICA	4.1978	5.2400	17.90	28.14
543	Shell-Thick	SLU-SISMICA	1.1401	7.3343	17.90	35.73
543	Shell-Thick	SLU-SISMICA	1.5262	4.2561	22.29	35.73
543	Shell-Thick	SLE-RARA	2.0597	1.0569	13.46	17.28
543	Shell-Thick	SLE-RARA	2.0385	2.5746	10.86	17.28
543	Shell-Thick	SLE-RARA	0.1885	3.5425	10.86	21.77

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543	Shell-Thick	SLE-RARA	0.2614	1.6634	13.46	21.77
543	Shell-Thick	SLE-FREQ.	1.8716	0.9254	12.78	16.44
543	Shell-Thick	SLE-FREQ.	1.8720	2.3691	10.31	16.44
543	Shell-Thick	SLE-FREQ.	0.1151	3.2501	10.31	20.69
543	Shell-Thick	SLE-FREQ.	0.1639	1.4634	12.78	20.69
543	Shell-Thick	SLE-QP	1.3076	0.5310	10.73	13.93
543	Shell-Thick	SLE-QP	1.3724	1.7525	8.69	13.93
543	Shell-Thick	SLE-QP	-0.1050	2.3730	8.69	17.46
543	Shell-Thick	SLE-QP	-0.1287	0.8637	10.73	17.46
544	Shell-Thick	SLU-STATICA	1.8743	2.6586	14.37	29.21
544	Shell-Thick	SLU-STATICA	2.4024	5.2139	11.43	29.21
544	Shell-Thick	SLU-STATICA	0.4371	6.4320	11.43	34.30
544	Shell-Thick	SLU-STATICA	-0.0316	3.4622	14.37	34.30
544	Shell-Thick	SLU-SISMICA	3.4195	4.6835	18.39	35.78
544	Shell-Thick	SLU-SISMICA	3.8831	7.8341	14.57	35.78
544	Shell-Thick	SLU-SISMICA	1.3750	9.7076	14.57	42.38
544	Shell-Thick	SLU-SISMICA	0.9826	6.0592	18.39	42.38
544	Shell-Thick	SLE-RARA	1.3432	1.9136	10.69	21.80
544	Shell-Thick	SLE-RARA	1.7466	3.8202	8.50	21.80
544	Shell-Thick	SLE-RARA	0.2845	4.7105	8.50	25.59
544	Shell-Thick	SLE-RARA	-0.0745	2.4941	10.69	25.59
544	Shell-Thick	SLE-FREQ.	1.1831	1.7001	10.10	20.73
544	Shell-Thick	SLE-FREQ.	1.5819	3.5107	8.03	20.73
544	Shell-Thick	SLE-FREQ.	0.2004	4.3252	8.03	24.30
544	Shell-Thick	SLE-FREQ.	-0.1560	2.2192	10.10	24.30
544	Shell-Thick	SLE-QP	0.7028	1.0593	8.32	17.49
544	Shell-Thick	SLE-QP	1.0876	2.5821	6.63	17.49
544	Shell-Thick	SLE-QP	-0.0519	3.1692	6.63	20.41
544	Shell-Thick	SLE-QP	-0.4006	1.3944	8.32	20.41
545	Shell-Thick	SLU-STATICA	1.5754	3.8564	11.43	34.37
545	Shell-Thick	SLU-STATICA	2.0727	6.6864	8.96	34.37
545	Shell-Thick	SLU-STATICA	0.4923	8.7856	8.96	38.64
545	Shell-Thick	SLU-STATICA	0.0952	5.2642	11.43	38.64
545	Shell-Thick	SLU-SISMICA	3.1375	6.5713	15.17	42.45
545	Shell-Thick	SLU-SISMICA	3.5128	10.0541	11.88	42.45
545	Shell-Thick	SLU-SISMICA	1.4166	13.2089	11.88	48.15
545	Shell-Thick	SLU-SISMICA	1.1739	8.8103	15.17	48.15
545	Shell-Thick	SLE-RARA	1.1159	2.7868	8.48	25.64
545	Shell-Thick	SLE-RARA	1.4988	4.8987	6.65	25.64
545	Shell-Thick	SLE-RARA	0.3270	6.4368	6.65	28.81
545	Shell-Thick	SLE-RARA	0.0184	3.8122	8.48	28.81
545	Shell-Thick	SLE-FREQ.	0.9600	2.4950	7.96	24.35
545	Shell-Thick	SLE-FREQ.	1.3435	4.5012	6.24	24.35
545	Shell-Thick	SLE-FREQ.	0.2429	5.9146	6.24	27.31
545	Shell-Thick	SLE-FREQ.	-0.0707	3.4268	7.96	27.31
545	Shell-Thick	SLE-QP	0.4924	1.6195	6.41	20.46
545	Shell-Thick	SLE-QP	0.8775	3.3085	5.03	20.46
545	Shell-Thick	SLE-QP	-0.0092	4.3479	5.03	22.84
545	Shell-Thick	SLE-QP	-0.3381	2.2705	6.41	22.84
546	Shell-Thick	SLU-STATICA	1.2890	5.7030	9.23	38.80
546	Shell-Thick	SLU-STATICA	2.3296	8.9531	7.14	38.80
546	Shell-Thick	SLU-STATICA	1.0609	10.6166	7.14	42.42
546	Shell-Thick	SLU-STATICA	0.1021	6.8018	9.23	42.42
546	Shell-Thick	SLU-SISMICA	2.7736	9.3961	12.78	48.35
546	Shell-Thick	SLU-SISMICA	3.9437	13.4484	9.89	48.35
546	Shell-Thick	SLU-SISMICA	2.1896	15.9588	9.89	53.35
546	Shell-Thick	SLU-SISMICA	1.1268	11.1643	12.78	53.35
546	Shell-Thick	SLE-RARA	0.9027	4.1373	6.82	28.92
546	Shell-Thick	SLE-RARA	1.6848	6.5601	5.27	28.92
546	Shell-Thick	SLE-RARA	0.7477	7.7784	5.27	31.60
546	Shell-Thick	SLE-RARA	0.0263	4.9366	6.82	31.60
546	Shell-Thick	SLE-FREQ.	0.7585	3.7318	6.36	27.42
546	Shell-Thick	SLE-FREQ.	1.5106	6.0289	4.91	27.42
546	Shell-Thick	SLE-FREQ.	0.6365	7.1476	4.91	29.92
546	Shell-Thick	SLE-FREQ.	-0.0586	4.4564	6.36	29.92
546	Shell-Thick	SLE-QP	0.3257	2.5153	4.98	22.93
546	Shell-Thick	SLE-QP	0.9880	4.4354	3.84	22.93
546	Shell-Thick	SLE-QP	0.3029	5.2551	3.84	24.89
546	Shell-Thick	SLE-QP	-0.3132	3.0157	4.98	24.89

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547	Shell-Thick	SLU-STATICA	1.5809	7.2768	7.37	42.56
547	Shell-Thick	SLU-STATICA	2.3051	10.6862	5.60	42.56
547	Shell-Thick	SLU-STATICA	1.2701	13.2967	5.60	45.62
547	Shell-Thick	SLU-STATICA	0.6698	9.0353	7.37	45.62
547	Shell-Thick	SLU-SISMICA	3.2149	11.8160	10.68	53.54
547	Shell-Thick	SLU-SISMICA	3.9215	16.0711	8.15	53.54
547	Shell-Thick	SLU-SISMICA	2.4226	20.0089	8.15	57.90
547	Shell-Thick	SLU-SISMICA	1.8882	14.5699	10.68	57.90
547	Shell-Thick	SLE-RARA	1.1165	5.2877	5.42	31.70
547	Shell-Thick	SLE-RARA	1.6661	7.8290	4.12	31.70
547	Shell-Thick	SLE-RARA	0.9050	9.7410	4.12	33.95
547	Shell-Thick	SLE-RARA	0.4469	6.5707	5.42	33.95
547	Shell-Thick	SLE-FREQ.	0.9547	4.7843	5.01	30.02
547	Shell-Thick	SLE-FREQ.	1.4922	7.1934	3.81	30.02
547	Shell-Thick	SLE-FREQ.	0.7879	8.9492	3.81	32.11
547	Shell-Thick	SLE-FREQ.	0.3357	5.9538	5.01	32.11
547	Shell-Thick	SLE-QP	0.4692	3.2741	3.80	24.97
547	Shell-Thick	SLE-QP	0.9704	5.2867	2.87	24.97
547	Shell-Thick	SLE-QP	0.4369	6.5738	2.87	26.57
547	Shell-Thick	SLE-QP	0.0023	4.1033	3.80	26.57
548	Shell-Thick	SLU-STATICA	1.6110	9.5407	6.06	45.85
548	Shell-Thick	SLU-STATICA	2.9346	13.3124	4.54	45.85
548	Shell-Thick	SLU-STATICA	2.0914	15.1024	4.54	48.49
548	Shell-Thick	SLU-STATICA	0.8643	10.6668	6.06	48.49
548	Shell-Thick	SLU-SISMICA	3.2423	15.2812	9.24	58.23
548	Shell-Thick	SLU-SISMICA	4.8560	20.0551	6.98	58.23
548	Shell-Thick	SLU-SISMICA	3.5722	22.8082	6.98	62.14
548	Shell-Thick	SLU-SISMICA	2.0928	17.1104	9.24	62.14
548	Shell-Thick	SLE-RARA	1.1394	6.9433	4.43	34.13
548	Shell-Thick	SLE-RARA	2.1279	9.7514	3.31	34.13
548	Shell-Thick	SLE-RARA	1.5110	11.0597	3.31	36.06
548	Shell-Thick	SLE-RARA	0.5937	7.7616	4.43	36.06
548	Shell-Thick	SLE-FREQ.	0.9773	6.3004	4.06	32.27
548	Shell-Thick	SLE-FREQ.	1.9175	8.9568	3.03	32.27
548	Shell-Thick	SLE-FREQ.	1.3520	10.1538	3.03	34.05
548	Shell-Thick	SLE-FREQ.	0.4781	7.0407	4.06	34.05
548	Shell-Thick	SLE-QP	0.4908	4.3715	2.95	26.69
548	Shell-Thick	SLE-QP	1.2864	6.5732	2.19	26.69
548	Shell-Thick	SLE-QP	0.8751	7.4359	2.19	28.02
548	Shell-Thick	SLE-QP	0.1314	4.8779	2.95	28.02
549	Shell-Thick	SLU-STATICA	2.2686	11.1978	4.89	48.69
549	Shell-Thick	SLU-STATICA	3.0212	15.0383	3.57	48.69
549	Shell-Thick	SLU-STATICA	2.3147	18.0615	3.57	50.96
549	Shell-Thick	SLU-STATICA	1.7061	13.2332	4.89	50.96
549	Shell-Thick	SLU-SISMICA	4.1929	17.8747	7.87	62.42
549	Shell-Thick	SLU-SISMICA	4.9823	22.7459	5.85	62.42
549	Shell-Thick	SLU-SISMICA	3.8496	27.3685	5.85	65.92
549	Shell-Thick	SLU-SISMICA	3.2673	21.0759	7.87	65.92
549	Shell-Thick	SLE-RARA	1.6232	8.1523	3.55	36.21
549	Shell-Thick	SLE-RARA	2.1916	11.0110	2.59	36.21
549	Shell-Thick	SLE-RARA	1.6774	13.2221	2.59	37.87
549	Shell-Thick	SLE-RARA	1.2150	9.6366	3.55	37.87
549	Shell-Thick	SLE-FREQ.	1.4250	7.4026	3.22	34.19
549	Shell-Thick	SLE-FREQ.	1.9764	10.1061	2.34	34.19
549	Shell-Thick	SLE-FREQ.	1.5099	12.1313	2.34	35.71
549	Shell-Thick	SLE-FREQ.	1.0567	8.7545	3.22	35.71
549	Shell-Thick	SLE-QP	0.8305	5.1534	2.22	28.13
549	Shell-Thick	SLE-QP	1.3308	7.3914	1.59	28.13
549	Shell-Thick	SLE-QP	1.0074	8.8587	1.59	29.22
549	Shell-Thick	SLE-QP	0.5819	6.1081	2.22	29.22
550	Shell-Thick	SLU-STATICA	2.4828	13.7968	4.26	51.27
550	Shell-Thick	SLU-STATICA	3.9377	17.9779	3.08	51.27
550	Shell-Thick	SLU-STATICA	3.3343	19.6776	3.08	53.30
550	Shell-Thick	SLU-STATICA	1.9863	14.7622	4.26	53.30
550	Shell-Thick	SLU-SISMICA	4.4866	21.9028	7.20	66.35
550	Shell-Thick	SLU-SISMICA	6.3445	27.2844	5.32	66.35
550	Shell-Thick	SLU-SISMICA	5.3276	29.9827	5.32	69.60
550	Shell-Thick	SLU-SISMICA	3.6246	23.5376	7.20	69.60
550	Shell-Thick	SLE-RARA	1.7815	10.0505	3.08	38.09

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550	Shell-Thick	SLE-RARA	2.8639	13.1588	2.22	38.09
550	Shell-Thick	SLE-RARA	2.4272	14.3970	2.22	39.58
550	Shell-Thick	SLE-RARA	1.4235	10.7486	3.08	39.58
550	Shell-Thick	SLE-FREQ.	1.5729	9.1365	2.76	35.91
550	Shell-Thick	SLE-FREQ.	2.5955	12.0696	1.98	35.91
550	Shell-Thick	SLE-FREQ.	2.2035	13.1952	1.98	37.26
550	Shell-Thick	SLE-FREQ.	1.2537	9.7624	2.76	37.26
550	Shell-Thick	SLE-QP	0.9470	6.3946	1.81	29.38
550	Shell-Thick	SLE-QP	1.7903	8.8018	1.26	29.38
550	Shell-Thick	SLE-QP	1.5326	9.5896	1.26	30.32
550	Shell-Thick	SLE-QP	0.7445	6.8038	1.81	30.32
551	Shell-Thick	SLU-STATICA	3.4463	15.3530	3.62	53.54
551	Shell-Thick	SLU-STATICA	4.0887	19.5296	2.54	53.54
551	Shell-Thick	SLU-STATICA	3.5444	23.0562	2.54	55.40
551	Shell-Thick	SLU-STATICA	3.0660	17.7563	3.62	55.40
551	Shell-Thick	SLU-SISMICA	5.9001	24.4181	6.43	69.93
551	Shell-Thick	SLU-SISMICA	6.5780	29.8074	4.67	69.93
551	Shell-Thick	SLU-SISMICA	5.6246	35.2550	4.67	72.99
551	Shell-Thick	SLU-SISMICA	5.1881	28.2112	6.43	72.99
551	Shell-Thick	SLE-RARA	2.4892	11.1819	2.60	39.75
551	Shell-Thick	SLE-RARA	2.9741	14.2862	1.82	39.75
551	Shell-Thick	SLE-RARA	2.5821	16.8627	1.82	41.10
551	Shell-Thick	SLE-RARA	2.2175	12.9337	2.60	41.10
551	Shell-Thick	SLE-FREQ.	2.2261	10.1612	2.31	37.42
551	Shell-Thick	SLE-FREQ.	2.6962	13.0893	1.60	37.42
551	Shell-Thick	SLE-FREQ.	2.3475	15.4444	1.60	38.64
551	Shell-Thick	SLE-FREQ.	1.9884	11.7556	2.31	38.64
551	Shell-Thick	SLE-QP	1.4370	7.0992	1.42	30.44
551	Shell-Thick	SLE-QP	1.8625	9.4987	0.94	30.44
551	Shell-Thick	SLE-QP	1.6436	11.1896	0.94	31.27
551	Shell-Thick	SLE-QP	1.3012	8.2213	1.42	31.27
552	Shell-Thick	SLU-STATICA	3.9035	18.4044	3.66	55.75
552	Shell-Thick	SLU-STATICA	5.3253	22.9318	2.63	55.75
552	Shell-Thick	SLU-STATICA	4.7950	24.3854	2.63	57.53
552	Shell-Thick	SLU-STATICA	3.4899	19.0579	3.66	57.53
552	Shell-Thick	SLU-SISMICA	6.5719	29.1873	6.58	73.51
552	Shell-Thick	SLU-SISMICA	8.4319	35.1171	4.86	73.51
552	Shell-Thick	SLU-SISMICA	7.4867	37.5228	4.86	76.48
552	Shell-Thick	SLU-SISMICA	5.7998	30.4049	6.58	76.48
552	Shell-Thick	SLE-RARA	2.8249	13.4084	2.63	41.36
552	Shell-Thick	SLE-RARA	3.8804	16.7691	1.88	41.36
552	Shell-Thick	SLE-RARA	3.4993	17.8231	1.88	42.65
552	Shell-Thick	SLE-RARA	2.5294	13.8755	2.63	42.65
552	Shell-Thick	SLE-FREQ.	2.5360	12.1917	2.32	38.88
552	Shell-Thick	SLE-FREQ.	3.5294	15.3543	1.65	38.88
552	Shell-Thick	SLE-FREQ.	3.1918	16.3040	1.65	40.04
552	Shell-Thick	SLE-FREQ.	2.2772	12.6009	2.32	40.04
552	Shell-Thick	SLE-QP	1.6691	8.5414	1.41	31.45
552	Shell-Thick	SLE-QP	2.4765	11.1097	0.96	31.45
552	Shell-Thick	SLE-QP	2.2694	11.7467	0.96	32.21
552	Shell-Thick	SLE-QP	1.5206	8.7770	1.41	32.21
553	Shell-Thick	SLU-STATICA	5.2644	19.7533	3.62	57.80
553	Shell-Thick	SLU-STATICA	5.6764	24.2211	2.56	57.80
553	Shell-Thick	SLU-STATICA	5.1195	28.5237	2.56	59.63
553	Shell-Thick	SLU-STATICA	4.8943	22.7769	3.62	59.63
553	Shell-Thick	SLU-SISMICA	8.5975	31.4596	6.53	76.87
553	Shell-Thick	SLU-SISMICA	8.9803	37.3265	4.75	76.87
553	Shell-Thick	SLU-SISMICA	7.9951	43.9882	4.75	79.94
553	Shell-Thick	SLU-SISMICA	7.8905	36.2149	6.53	79.94
553	Shell-Thick	SLE-RARA	3.8230	14.3846	2.60	42.84
553	Shell-Thick	SLE-RARA	4.1366	17.7003	1.83	42.84
553	Shell-Thick	SLE-RARA	3.7360	20.8430	1.83	44.17
553	Shell-Thick	SLE-RARA	3.5593	16.5894	2.60	44.17
553	Shell-Thick	SLE-FREQ.	3.4548	13.0679	2.29	40.22
553	Shell-Thick	SLE-FREQ.	3.7631	16.1869	1.61	40.22
553	Shell-Thick	SLE-FREQ.	3.4075	19.0582	1.61	41.41
553	Shell-Thick	SLE-FREQ.	3.2253	15.0760	2.29	41.41
553	Shell-Thick	SLE-QP	2.3503	9.1178	1.38	32.35
553	Shell-Thick	SLE-QP	2.6425	11.6466	0.93	32.35

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553	Shell-Thick	SLE-QP	2.4222	13.7038	0.93	33.14
553	Shell-Thick	SLE-QP	2.2234	10.5359	1.38	33.14
554	Shell-Thick	SLU-STATICA	6.3675	23.5978	4.59	60.02
554	Shell-Thick	SLU-STATICA	7.4105	28.4556	3.54	60.02
554	Shell-Thick	SLU-STATICA	6.7360	29.5041	3.54	61.85
554	Shell-Thick	SLU-STATICA	5.8221	23.7609	4.59	61.85
554	Shell-Thick	SLU-SISMICA	10.2507	37.4606	7.89	80.51
554	Shell-Thick	SLU-SISMICA	11.5914	43.9337	6.11	80.51
554	Shell-Thick	SLU-SISMICA	10.4446	45.7886	6.11	83.58
554	Shell-Thick	SLU-SISMICA	9.2975	37.9876	7.89	83.58
554	Shell-Thick	SLE-RARA	4.6314	17.1903	3.32	44.46
554	Shell-Thick	SLE-RARA	5.4069	20.7907	2.55	44.46
554	Shell-Thick	SLE-RARA	4.9194	21.5450	2.55	45.78
554	Shell-Thick	SLE-RARA	4.2385	17.2957	3.32	45.78
554	Shell-Thick	SLE-FREQ.	4.1981	15.6272	2.97	41.67
554	Shell-Thick	SLE-FREQ.	4.9300	19.0061	2.28	41.67
554	Shell-Thick	SLE-FREQ.	4.4933	19.6755	2.28	42.87
554	Shell-Thick	SLE-FREQ.	3.8483	15.7001	2.97	42.87
554	Shell-Thick	SLE-QP	2.8981	10.9378	1.91	33.33
554	Shell-Thick	SLE-QP	3.4993	13.6522	1.45	33.33
554	Shell-Thick	SLE-QP	3.2151	14.0670	1.45	34.12
554	Shell-Thick	SLE-QP	2.6780	10.9132	1.91	34.12
555	Shell-Thick	SLU-STATICA	8.5756	24.7086	5.59	62.15
555	Shell-Thick	SLU-STATICA	8.6153	29.4829	4.32	62.15
555	Shell-Thick	SLU-STATICA	7.7653	34.7527	4.32	64.35
555	Shell-Thick	SLU-STATICA	7.9382	28.5226	5.59	64.35
555	Shell-Thick	SLU-SISMICA	13.5570	39.4221	9.16	84.03
555	Shell-Thick	SLU-SISMICA	13.4212	45.8012	7.08	84.03
555	Shell-Thick	SLU-SISMICA	12.0446	53.9334	7.08	87.62
555	Shell-Thick	SLU-SISMICA	12.4976	45.3809	9.16	87.62
555	Shell-Thick	SLE-RARA	6.2499	17.9895	4.06	46.01
555	Shell-Thick	SLE-RARA	6.2887	21.5273	3.14	46.01
555	Shell-Thick	SLE-RARA	5.6708	25.3778	3.14	47.60
555	Shell-Thick	SLE-RARA	5.7879	20.7727	4.06	47.60
555	Shell-Thick	SLE-FREQ.	5.6864	16.3368	3.67	43.07
555	Shell-Thick	SLE-FREQ.	5.7387	19.6554	2.83	43.07
555	Shell-Thick	SLE-FREQ.	5.1793	23.1758	2.83	44.51
555	Shell-Thick	SLE-FREQ.	5.2705	18.8751	3.67	44.51
555	Shell-Thick	SLE-QP	3.9960	11.3786	2.49	34.28
555	Shell-Thick	SLE-QP	4.0886	14.0399	1.92	34.28
555	Shell-Thick	SLE-QP	3.7049	16.5697	1.92	35.26
555	Shell-Thick	SLE-QP	3.7182	13.1822	2.49	35.26
556	Shell-Thick	SLU-STATICA	11.7423	29.7850	8.38	64.73
556	Shell-Thick	SLU-STATICA	11.5027	34.9986	7.25	64.73
556	Shell-Thick	SLU-STATICA	10.2571	35.2525	7.25	66.68
556	Shell-Thick	SLU-STATICA	10.6431	29.0351	8.38	66.68
556	Shell-Thick	SLU-SISMICA	18.2874	47.2768	12.92	88.17
556	Shell-Thick	SLU-SISMICA	17.7578	54.3381	11.06	88.17
556	Shell-Thick	SLU-SISMICA	15.8497	55.0212	11.06	91.39
556	Shell-Thick	SLU-SISMICA	16.5977	46.4623	12.92	91.39
556	Shell-Thick	SLE-RARA	8.5715	21.6977	6.12	47.88
556	Shell-Thick	SLE-RARA	8.4044	25.5561	5.30	47.88
556	Shell-Thick	SLE-RARA	7.4936	25.7272	5.30	49.29
556	Shell-Thick	SLE-RARA	7.7680	21.1327	6.12	49.29
556	Shell-Thick	SLE-FREQ.	7.8222	19.7252	5.60	44.77
556	Shell-Thick	SLE-FREQ.	7.6831	23.3367	4.86	44.77
556	Shell-Thick	SLE-FREQ.	6.8492	23.4682	4.86	46.05
556	Shell-Thick	SLE-FREQ.	7.0871	19.1795	5.60	46.05
556	Shell-Thick	SLE-QP	5.5746	13.8078	4.03	35.45
556	Shell-Thick	SLE-QP	5.5193	16.6783	3.53	35.45
556	Shell-Thick	SLE-QP	4.9161	16.6914	3.53	36.31
556	Shell-Thick	SLE-QP	5.0445	13.3198	4.03	36.31
557	Shell-Thick	SLU-STATICA	17.0606	30.8460	11.83	67.07
557	Shell-Thick	SLU-STATICA	16.4833	35.9703	10.90	67.07
557	Shell-Thick	SLU-STATICA	14.6638	39.2173	10.90	68.68
557	Shell-Thick	SLU-STATICA	15.4690	32.5325	11.83	68.68
557	Shell-Thick	SLU-SISMICA	26.1974	49.1526	17.44	91.97
557	Shell-Thick	SLU-SISMICA	25.1834	56.1176	15.83	91.97
557	Shell-Thick	SLU-SISMICA	22.5186	61.2461	15.83	94.74

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557	Shell-Thick	SLU-SISMICA	23.8702	51.9695	17.44	94.74
557	Shell-Thick	SLE-RARA	12.4722	22.4611	8.69	49.58
557	Shell-Thick	SLE-RARA	12.0566	26.2522	8.02	49.58
557	Shell-Thick	SLE-RARA	10.7199	28.6189	8.02	50.74
557	Shell-Thick	SLE-RARA	11.3028	23.6826	8.69	50.74
557	Shell-Thick	SLE-FREQ.	11.4138	20.4028	8.01	46.32
557	Shell-Thick	SLE-FREQ.	11.0443	23.9492	7.41	46.32
557	Shell-Thick	SLE-FREQ.	9.8101	26.1029	7.41	47.35
557	Shell-Thick	SLE-FREQ.	10.3337	21.5014	8.01	47.35
557	Shell-Thick	SLE-QP	8.2386	14.2281	5.99	36.51
557	Shell-Thick	SLE-QP	8.0076	17.0402	5.60	36.51
557	Shell-Thick	SLE-QP	7.0806	18.5549	5.60	37.17
557	Shell-Thick	SLE-QP	7.4264	14.9575	5.99	37.17
558	Shell-Thick	SLU-STATICA	25.4524	35.2168	17.91	69.18
558	Shell-Thick	SLU-STATICA	25.6308	40.7230	18.38	69.18
558	Shell-Thick	SLU-STATICA	22.8390	35.1018	18.38	68.37
558	Shell-Thick	SLU-STATICA	22.8003	28.6426	17.91	68.37
558	Shell-Thick	SLU-SISMICA	38.6079	55.9096	25.56	95.46
558	Shell-Thick	SLU-SISMICA	38.7361	63.4971	25.83	95.46
558	Shell-Thick	SLU-SISMICA	34.7782	55.4655	25.83	95.00
558	Shell-Thick	SLU-SISMICA	34.8541	46.4845	25.56	95.00
558	Shell-Thick	SLE-RARA	18.6308	25.6541	13.19	51.11
558	Shell-Thick	SLE-RARA	18.7684	29.7227	13.55	51.11
558	Shell-Thick	SLE-RARA	16.7111	25.5834	13.55	50.48
558	Shell-Thick	SLE-RARA	16.6761	20.8146	13.19	50.48
558	Shell-Thick	SLE-FREQ.	17.0903	23.3210	12.23	47.69
558	Shell-Thick	SLE-FREQ.	17.2287	27.1182	12.61	47.69
558	Shell-Thick	SLE-FREQ.	15.3179	23.2791	12.61	47.04
558	Shell-Thick	SLE-FREQ.	15.2743	18.8351	12.23	47.04
558	Shell-Thick	SLE-QP	12.4688	16.3218	9.37	37.43
558	Shell-Thick	SLE-QP	12.6094	19.3049	9.76	37.43
558	Shell-Thick	SLE-QP	11.1383	16.3662	9.76	36.75
558	Shell-Thick	SLE-QP	11.0691	12.8967	9.37	36.75
559	Shell-Thick	SLU-STATICA	33.2431	31.8316	24.31	69.14
559	Shell-Thick	SLU-STATICA	38.1305	37.0596	27.05	69.14
559	Shell-Thick	SLU-STATICA	34.1920	34.2510	27.05	64.41
559	Shell-Thick	SLU-STATICA	29.4758	27.8614	24.31	64.41
559	Shell-Thick	SLU-SISMICA	50.0566	51.0944	34.00	96.10
559	Shell-Thick	SLU-SISMICA	57.1515	58.3708	37.21	96.10
559	Shell-Thick	SLU-SISMICA	51.6848	54.5403	37.21	90.56
559	Shell-Thick	SLU-SISMICA	44.8380	45.5790	34.00	90.56
559	Shell-Thick	SLE-RARA	24.3518	23.1603	17.94	51.05
559	Shell-Thick	SLE-RARA	27.9452	27.0197	19.99	51.05
559	Shell-Thick	SLE-RARA	25.0370	24.9424	19.99	47.50
559	Shell-Thick	SLE-RARA	21.5695	20.2289	17.94	47.50
559	Shell-Thick	SLE-FREQ.	22.3696	21.0062	16.70	47.57
559	Shell-Thick	SLE-FREQ.	25.6930	24.6021	18.66	47.57
559	Shell-Thick	SLE-FREQ.	22.9821	22.6600	18.66	44.18
559	Shell-Thick	SLE-FREQ.	19.7752	18.2740	16.70	44.18
559	Shell-Thick	SLE-QP	16.4231	14.5439	12.98	37.15
559	Shell-Thick	SLE-QP	18.9365	17.3494	14.68	37.15
559	Shell-Thick	SLE-QP	16.8175	15.8129	14.68	34.22
559	Shell-Thick	SLE-QP	14.3923	12.4096	12.98	34.22
560	Shell-Thick	SLU-STATICA	37.3443	30.1625	30.71	64.92
560	Shell-Thick	SLU-STATICA	42.6075	35.2067	36.50	64.92
560	Shell-Thick	SLU-STATICA	37.5393	30.5274	36.50	54.91
560	Shell-Thick	SLU-STATICA	32.3278	25.1473	30.71	54.91
560	Shell-Thick	SLU-SISMICA	56.0341	48.7941	42.61	91.25
560	Shell-Thick	SLU-SISMICA	63.6586	55.9593	49.92	91.25
560	Shell-Thick	SLU-SISMICA	56.6826	49.2585	49.92	78.61
560	Shell-Thick	SLU-SISMICA	49.1265	41.6473	42.61	78.61
560	Shell-Thick	SLE-RARA	27.3660	21.9270	22.68	47.88
560	Shell-Thick	SLE-RARA	31.2364	25.6434	26.99	47.88
560	Shell-Thick	SLE-RARA	27.4911	22.1985	26.99	40.43
560	Shell-Thick	SLE-RARA	23.6590	18.2330	22.68	40.43
560	Shell-Thick	SLE-FREQ.	25.1553	19.8552	21.14	44.54
560	Shell-Thick	SLE-FREQ.	28.7362	23.3057	25.22	44.54
560	Shell-Thick	SLE-FREQ.	25.2401	20.1118	25.22	37.48
560	Shell-Thick	SLE-FREQ.	21.6951	16.4274	21.14	37.48



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560	Shell-Thick	SLE-QP	18.5232	13.6398	16.53	34.51
560	Shell-Thick	SLE-QP	21.2357	16.2924	19.92	34.51
560	Shell-Thick	SLE-QP	18.4869	13.8518	19.92	28.65
560	Shell-Thick	SLE-QP	15.8035	11.0108	16.53	28.65
561	Shell-Thick	SLU-STATICA	4.7786	0.7319	25.12	9.84
561	Shell-Thick	SLU-STATICA	3.9968	1.9297	19.70	9.84
561	Shell-Thick	SLU-STATICA	0.6256	2.2512	19.70	19.22
561	Shell-Thick	SLU-STATICA	1.4245	0.9211	25.12	19.22
561	Shell-Thick	SLU-SISMICA	5.9636	1.0354	29.03	11.58
561	Shell-Thick	SLU-SISMICA	4.9270	2.4767	22.59	11.58
561	Shell-Thick	SLU-SISMICA	1.0477	3.0895	22.59	22.72
561	Shell-Thick	SLU-SISMICA	2.0964	1.5470	29.03	22.72
561	Shell-Thick	SLE-RARA	3.5619	0.5395	18.84	7.37
561	Shell-Thick	SLE-RARA	2.9821	1.4350	14.78	7.37
561	Shell-Thick	SLE-RARA	0.4530	1.6641	14.78	14.39
561	Shell-Thick	SLE-RARA	1.0459	0.6668	18.84	14.39
561	Shell-Thick	SLE-FREQ.	3.3767	0.5012	18.06	7.05
561	Shell-Thick	SLE-FREQ.	2.8322	1.3547	14.18	7.05
561	Shell-Thick	SLE-FREQ.	0.4071	1.5542	14.18	13.75
561	Shell-Thick	SLE-FREQ.	0.9649	0.5989	18.06	13.75
561	Shell-Thick	SLE-QP	2.8211	0.3865	15.70	6.07
561	Shell-Thick	SLE-QP	2.3823	1.1137	12.37	6.07
561	Shell-Thick	SLE-QP	0.2695	1.2244	12.37	11.82
561	Shell-Thick	SLE-QP	0.7219	0.3953	15.70	11.82
562	Shell-Thick	SLU-STATICA	3.2629	1.1100	19.15	19.11
562	Shell-Thick	SLU-STATICA	2.9594	2.8968	14.58	19.11
562	Shell-Thick	SLU-STATICA	0.3979	4.2581	14.58	27.00
562	Shell-Thick	SLU-STATICA	0.7634	2.0337	19.15	27.00
562	Shell-Thick	SLU-SISMICA	4.5567	1.8010	22.81	22.57
562	Shell-Thick	SLU-SISMICA	3.9826	3.9146	17.28	22.57
562	Shell-Thick	SLU-SISMICA	0.9378	5.9290	17.28	32.12
562	Shell-Thick	SLU-SISMICA	1.5871	3.2849	22.81	32.12
562	Shell-Thick	SLE-RARA	2.4079	0.8067	14.33	14.31
562	Shell-Thick	SLE-RARA	2.1914	2.1443	10.91	14.31
562	Shell-Thick	SLE-RARA	0.2746	3.1432	10.91	20.21
562	Shell-Thick	SLE-RARA	0.5374	1.4787	14.33	20.21
562	Shell-Thick	SLE-FREQ.	2.2422	0.7300	13.67	13.67
562	Shell-Thick	SLE-FREQ.	2.0533	2.0078	10.42	13.67
562	Shell-Thick	SLE-FREQ.	0.2234	2.9284	10.42	19.29
562	Shell-Thick	SLE-FREQ.	0.4565	1.3394	13.67	19.29
562	Shell-Thick	SLE-QP	1.7452	0.5000	11.71	11.76
562	Shell-Thick	SLE-QP	1.6390	1.5982	8.95	11.76
562	Shell-Thick	SLE-QP	0.0700	2.2840	8.95	16.53
562	Shell-Thick	SLE-QP	0.2137	0.9216	11.71	16.53
563	Shell-Thick	SLU-STATICA	2.2398	2.2900	14.90	26.99
563	Shell-Thick	SLU-STATICA	2.5671	4.7309	11.13	26.99
563	Shell-Thick	SLU-STATICA	0.5869	6.2164	11.13	33.51
563	Shell-Thick	SLU-STATICA	0.3139	3.3939	14.90	33.51
563	Shell-Thick	SLU-SISMICA	3.4870	3.6102	18.35	32.10
563	Shell-Thick	SLU-SISMICA	3.7007	6.5363	13.66	32.10
563	Shell-Thick	SLU-SISMICA	1.2683	8.6596	13.66	40.22
563	Shell-Thick	SLU-SISMICA	1.1169	5.2938	18.35	40.22
563	Shell-Thick	SLE-RARA	1.6351	1.6695	11.12	20.20
563	Shell-Thick	SLE-RARA	1.8887	3.4948	8.31	20.20
563	Shell-Thick	SLE-RARA	0.4108	4.5887	8.31	25.06
563	Shell-Thick	SLE-RARA	0.1978	2.4771	11.12	25.06
563	Shell-Thick	SLE-FREQ.	1.4923	1.5198	10.56	19.28
563	Shell-Thick	SLE-FREQ.	1.7490	3.2603	7.90	19.28
563	Shell-Thick	SLE-FREQ.	0.3446	4.2747	7.90	23.89
563	Shell-Thick	SLE-FREQ.	0.1269	2.2599	10.56	23.89
563	Shell-Thick	SLE-QP	1.0638	1.0709	8.89	16.52
563	Shell-Thick	SLE-QP	1.3298	2.5567	6.66	16.52
563	Shell-Thick	SLE-QP	0.1462	3.3330	6.66	20.38
563	Shell-Thick	SLE-QP	-0.0857	1.6082	8.89	20.38
564	Shell-Thick	SLU-STATICA	1.8992	3.7292	11.68	33.54
564	Shell-Thick	SLU-STATICA	2.3062	6.5421	8.58	33.54
564	Shell-Thick	SLU-STATICA	0.7378	8.8458	8.58	38.90
564	Shell-Thick	SLU-STATICA	0.4284	5.3567	11.68	38.90
564	Shell-Thick	SLU-SISMICA	3.1985	5.7220	14.89	40.25



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564	Shell-Thick	SLU-SISMICA	3.4480	9.0837	10.92	40.25
564	Shell-Thick	SLU-SISMICA	1.4487	12.3903	10.92	47.12
564	Shell-Thick	SLU-SISMICA	1.3259	8.1512	14.89	47.12
564	Shell-Thick	SLE-RARA	1.3743	2.7265	8.69	25.08
564	Shell-Thick	SLE-RARA	1.6906	4.8305	6.38	25.08
564	Shell-Thick	SLE-RARA	0.5236	6.5262	6.38	29.06
564	Shell-Thick	SLE-RARA	0.2799	3.9198	8.69	29.06
564	Shell-Thick	SLE-FREQ.	1.2337	2.4955	8.21	23.91
564	Shell-Thick	SLE-FREQ.	1.5551	4.5025	6.03	23.91
564	Shell-Thick	SLE-FREQ.	0.4523	6.0740	6.03	27.67
564	Shell-Thick	SLE-FREQ.	0.1993	3.5935	8.21	27.67
564	Shell-Thick	SLE-QP	0.8116	1.8025	6.77	20.40
564	Shell-Thick	SLE-QP	1.1485	3.5186	4.99	20.40
564	Shell-Thick	SLE-QP	0.2383	4.7174	4.99	23.50
564	Shell-Thick	SLE-QP	-0.0427	2.6146	6.77	23.50
565	Shell-Thick	SLU-STATICA	1.6177	5.7529	9.29	39.03
565	Shell-Thick	SLU-STATICA	2.6011	9.0601	6.71	39.03
565	Shell-Thick	SLU-STATICA	1.3604	11.1448	6.71	43.48
565	Shell-Thick	SLU-STATICA	0.4583	7.2743	9.29	43.48
565	Shell-Thick	SLU-SISMICA	2.8698	8.6691	12.32	47.29
565	Shell-Thick	SLU-SISMICA	3.9406	12.6796	8.90	47.29
565	Shell-Thick	SLU-SISMICA	2.2965	15.6769	8.90	53.21
565	Shell-Thick	SLU-SISMICA	1.3299	10.9451	12.32	53.21
565	Shell-Thick	SLE-RARA	1.1634	4.2139	6.89	29.16
565	Shell-Thick	SLE-RARA	1.9042	6.6849	4.97	29.16
565	Shell-Thick	SLE-RARA	0.9842	8.2190	4.97	32.47
565	Shell-Thick	SLE-RARA	0.3039	5.3291	6.89	32.47
565	Shell-Thick	SLE-FREQ.	1.0318	3.8703	6.47	27.76
565	Shell-Thick	SLE-FREQ.	1.7472	6.2226	4.67	27.76
565	Shell-Thick	SLE-FREQ.	0.8830	7.6439	4.67	30.87
565	Shell-Thick	SLE-FREQ.	0.2247	4.8961	6.47	30.87
565	Shell-Thick	SLE-QP	0.6370	2.8397	5.21	23.57
565	Shell-Thick	SLE-QP	1.2761	4.8358	3.76	23.57
565	Shell-Thick	SLE-QP	0.5794	5.9186	3.76	26.07
565	Shell-Thick	SLE-QP	-0.0126	3.5969	5.21	26.07
566	Shell-Thick	SLU-STATICA	1.9190	7.7210	7.34	43.61
566	Shell-Thick	SLU-STATICA	2.6368	11.2455	5.21	43.61
566	Shell-Thick	SLU-STATICA	1.6332	14.0762	5.21	47.30
566	Shell-Thick	SLU-STATICA	1.0402	9.6921	7.34	47.30
566	Shell-Thick	SLU-SISMICA	3.3420	11.5457	10.16	53.37
566	Shell-Thick	SLU-SISMICA	4.0103	15.8215	7.23	53.37
566	Shell-Thick	SLU-SISMICA	2.6202	19.9707	7.23	58.45
566	Shell-Thick	SLU-SISMICA	2.1227	14.5192	10.16	58.45
566	Shell-Thick	SLE-RARA	1.3832	5.6599	5.42	32.56
566	Shell-Thick	SLE-RARA	1.9296	8.2932	3.84	32.56
566	Shell-Thick	SLE-RARA	1.1883	10.3724	3.84	35.29
566	Shell-Thick	SLE-RARA	0.7343	7.1036	5.42	35.29
566	Shell-Thick	SLE-FREQ.	1.2321	5.2060	5.06	30.96
566	Shell-Thick	SLE-FREQ.	1.7691	7.7126	3.58	30.96
566	Shell-Thick	SLE-FREQ.	1.0779	9.6322	3.58	33.50
566	Shell-Thick	SLE-FREQ.	0.6272	6.5318	5.06	33.50
566	Shell-Thick	SLE-QP	0.7790	3.8444	3.96	26.14
566	Shell-Thick	SLE-QP	1.2878	5.9710	2.80	26.14
566	Shell-Thick	SLE-QP	0.7467	7.4117	2.80	28.14
566	Shell-Thick	SLE-QP	0.3060	4.8162	3.96	28.14
567	Shell-Thick	SLU-STATICA	1.9334	10.1740	5.93	47.53
567	Shell-Thick	SLU-STATICA	3.2950	14.1054	4.12	47.53
567	Shell-Thick	SLU-STATICA	2.4920	16.3551	4.12	50.66
567	Shell-Thick	SLU-STATICA	1.2290	11.7448	5.93	50.66
567	Shell-Thick	SLU-SISMICA	3.3588	15.1843	8.62	58.76
567	Shell-Thick	SLU-SISMICA	4.9919	20.0272	6.03	58.76
567	Shell-Thick	SLU-SISMICA	3.8255	23.3760	6.03	63.25
567	Shell-Thick	SLU-SISMICA	2.3271	17.6051	8.62	63.25
567	Shell-Thick	SLE-RARA	1.3940	7.4596	4.36	35.46
567	Shell-Thick	SLE-RARA	2.4122	10.3931	3.03	35.46
567	Shell-Thick	SLE-RARA	1.8218	12.0430	3.03	37.76
567	Shell-Thick	SLE-RARA	0.8765	8.6075	4.36	37.76
567	Shell-Thick	SLE-FREQ.	1.2425	6.8639	4.03	33.66
567	Shell-Thick	SLE-FREQ.	2.2133	9.6502	2.79	33.66

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567	Shell-Thick	SLE-FREQ.	1.6673	11.1691	2.79	35.79
567	Shell-Thick	SLE-FREQ.	0.7646	7.9137	4.03	35.79
567	Shell-Thick	SLE-QP	0.7879	5.0769	3.04	28.27
567	Shell-Thick	SLE-QP	1.6165	7.4214	2.10	28.27
567	Shell-Thick	SLE-QP	1.2038	8.5474	2.10	29.90
567	Shell-Thick	SLE-QP	0.4291	5.8322	3.04	29.90
568	Shell-Thick	SLU-STATICA	2.5961	12.2585	4.70	50.85
568	Shell-Thick	SLU-STATICA	3.3821	16.2929	3.18	50.85
568	Shell-Thick	SLU-STATICA	2.7175	19.4381	3.18	53.47
568	Shell-Thick	SLU-STATICA	2.0781	14.3976	4.70	53.47
568	Shell-Thick	SLU-SISMICA	4.3294	18.3318	7.21	63.50
568	Shell-Thick	SLU-SISMICA	5.1264	23.3098	4.95	63.50
568	Shell-Thick	SLU-SISMICA	4.1098	28.0559	4.95	67.42
568	Shell-Thick	SLU-SISMICA	3.5216	21.6448	7.21	67.42
568	Shell-Thick	SLE-RARA	1.8808	8.9861	3.44	37.90
568	Shell-Thick	SLE-RARA	2.4759	11.9961	2.32	37.90
568	Shell-Thick	SLE-RARA	1.9898	14.2996	2.32	39.82
568	Shell-Thick	SLE-RARA	1.5027	10.5485	3.44	39.82
568	Shell-Thick	SLE-FREQ.	1.6920	8.2654	3.14	35.92
568	Shell-Thick	SLE-FREQ.	2.2715	11.1237	2.12	35.92
568	Shell-Thick	SLE-FREQ.	1.8263	13.2388	2.12	37.69
568	Shell-Thick	SLE-FREQ.	1.3471	9.6928	3.14	37.69
568	Shell-Thick	SLE-QP	1.1256	6.1034	2.27	30.00
568	Shell-Thick	SLE-QP	1.6583	8.5064	1.51	30.00
568	Shell-Thick	SLE-QP	1.3359	10.0565	1.51	31.31
568	Shell-Thick	SLE-QP	0.8800	7.1258	2.27	31.31
569	Shell-Thick	SLU-STATICA	2.7028	14.9369	3.93	53.78
569	Shell-Thick	SLU-STATICA	4.2995	19.3401	2.60	53.78
569	Shell-Thick	SLU-STATICA	3.7546	21.4877	2.60	56.09
569	Shell-Thick	SLU-STATICA	2.2673	16.3335	3.93	56.09
569	Shell-Thick	SLU-SISMICA	4.4771	22.4247	6.38	67.85
569	Shell-Thick	SLU-SISMICA	6.5005	27.9453	4.31	67.85
569	Shell-Thick	SLU-SISMICA	5.6203	31.2800	4.31	71.44
569	Shell-Thick	SLU-SISMICA	3.7535	24.6833	6.38	71.44
569	Shell-Thick	SLE-RARA	1.9596	10.9452	2.86	40.05
569	Shell-Thick	SLE-RARA	3.1482	14.2260	1.88	40.05
569	Shell-Thick	SLE-RARA	2.7521	15.7941	1.88	41.73
569	Shell-Thick	SLE-RARA	1.6440	11.9605	2.86	41.73
569	Shell-Thick	SLE-FREQ.	1.7654	10.0600	2.59	37.91
569	Shell-Thick	SLE-FREQ.	2.8897	13.1680	1.70	37.91
569	Shell-Thick	SLE-FREQ.	2.5309	14.6000	1.70	39.44
569	Shell-Thick	SLE-FREQ.	1.4813	10.9794	2.59	39.44
569	Shell-Thick	SLE-QP	1.1830	7.4043	1.77	31.47
569	Shell-Thick	SLE-QP	2.1142	9.9942	1.14	31.47
569	Shell-Thick	SLE-QP	1.8674	11.0175	1.14	32.57
569	Shell-Thick	SLE-QP	0.9933	8.0361	1.77	32.57
570	Shell-Thick	SLU-STATICA	3.6389	16.8986	3.19	56.31
570	Shell-Thick	SLU-STATICA	4.3279	21.3116	2.03	56.31
570	Shell-Thick	SLU-STATICA	3.8525	24.8037	2.03	58.32
570	Shell-Thick	SLU-STATICA	3.3307	19.2448	3.19	58.32
570	Shell-Thick	SLU-SISMICA	5.8647	25.5157	5.49	71.76
570	Shell-Thick	SLU-SISMICA	6.5662	31.0590	3.62	71.76
570	Shell-Thick	SLU-SISMICA	5.7596	36.4533	3.62	75.00
570	Shell-Thick	SLU-SISMICA	5.3032	29.2300	5.49	75.00
570	Shell-Thick	SLE-RARA	2.6464	12.3754	2.30	41.90
570	Shell-Thick	SLE-RARA	3.1679	15.6629	1.46	41.90
570	Shell-Thick	SLE-RARA	2.8241	18.2143	1.46	43.36
570	Shell-Thick	SLE-RARA	2.4255	14.0850	2.30	43.36
570	Shell-Thick	SLE-FREQ.	2.3983	11.3621	2.06	39.60
570	Shell-Thick	SLE-FREQ.	2.9058	14.4757	1.29	39.60
570	Shell-Thick	SLE-FREQ.	2.5978	16.8078	1.29	40.92
570	Shell-Thick	SLE-FREQ.	2.2036	12.9171	2.06	40.92
570	Shell-Thick	SLE-QP	1.6538	8.3222	1.32	32.69
570	Shell-Thick	SLE-QP	2.1197	10.9140	0.79	32.69
570	Shell-Thick	SLE-QP	1.9187	12.5884	0.79	33.60
570	Shell-Thick	SLE-QP	1.5379	9.4135	1.32	33.60
571	Shell-Thick	SLU-STATICA	3.7877	19.8449	2.98	58.69
571	Shell-Thick	SLU-STATICA	5.5291	24.6304	1.89	58.69
571	Shell-Thick	SLU-STATICA	5.1051	26.5106	1.89	60.59

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571	Shell-Thick	SLU-STATICA	3.4811	20.9200	2.98	60.59
571	Shell-Thick	SLU-SISMICA	6.0954	30.1271	5.33	75.54
571	Shell-Thick	SLU-SISMICA	8.3835	36.2394	3.51	75.54
571	Shell-Thick	SLU-SISMICA	7.6341	39.3013	3.51	78.69
571	Shell-Thick	SLU-SISMICA	5.5195	31.9972	5.33	78.69
571	Shell-Thick	SLE-RARA	2.7551	14.5249	2.14	43.63
571	Shell-Thick	SLE-RARA	4.0474	18.0849	1.35	43.63
571	Shell-Thick	SLE-RARA	3.7423	19.4508	1.35	45.01
571	Shell-Thick	SLE-RARA	2.5362	15.3000	2.14	45.01
571	Shell-Thick	SLE-FREQ.	2.4976	13.3218	1.90	41.17
571	Shell-Thick	SLE-FREQ.	3.7130	16.6850	1.18	41.17
571	Shell-Thick	SLE-FREQ.	3.4422	17.9200	1.18	42.41
571	Shell-Thick	SLE-FREQ.	2.3062	14.0124	1.90	42.41
571	Shell-Thick	SLE-QP	1.7249	9.7123	1.16	33.79
571	Shell-Thick	SLE-QP	2.7099	12.4852	0.68	33.79
571	Shell-Thick	SLE-QP	2.5419	13.3278	0.68	34.62
571	Shell-Thick	SLE-QP	1.6160	10.1497	1.16	34.62
572	Shell-Thick	SLU-STATICA	5.0360	21.5506	2.67	60.84
572	Shell-Thick	SLU-STATICA	5.4802	26.2660	1.63	60.84
572	Shell-Thick	SLU-STATICA	5.0622	30.4175	1.63	62.63
572	Shell-Thick	SLU-STATICA	4.8094	24.3921	2.67	62.63
572	Shell-Thick	SLU-SISMICA	7.9706	32.9506	4.93	79.05
572	Shell-Thick	SLU-SISMICA	8.3573	38.9827	3.17	79.05
572	Shell-Thick	SLU-SISMICA	7.6073	45.4645	3.17	82.09
572	Shell-Thick	SLU-SISMICA	7.5059	37.4787	4.93	82.09
572	Shell-Thick	SLE-RARA	3.6698	15.7617	1.91	45.19
572	Shell-Thick	SLE-RARA	4.0092	19.2691	1.16	45.19
572	Shell-Thick	SLE-RARA	3.7090	22.2988	1.16	46.49
572	Shell-Thick	SLE-RARA	3.5099	17.8307	1.91	46.49
572	Shell-Thick	SLE-FREQ.	3.3381	14.4362	1.68	42.58
572	Shell-Thick	SLE-FREQ.	3.6739	17.7489	1.00	42.58
572	Shell-Thick	SLE-FREQ.	3.4084	20.5124	1.00	43.74
572	Shell-Thick	SLE-FREQ.	3.2018	16.3156	1.68	43.74
572	Shell-Thick	SLE-QP	2.3432	10.4598	0.98	34.75
572	Shell-Thick	SLE-QP	2.6680	13.1884	0.54	34.75
572	Shell-Thick	SLE-QP	2.5066	15.1533	0.54	35.51
572	Shell-Thick	SLE-QP	2.2774	11.7703	0.98	35.51
573	Shell-Thick	SLU-STATICA	5.3652	25.0975	3.14	63.07
573	Shell-Thick	SLU-STATICA	7.1097	30.2327	2.05	63.07
573	Shell-Thick	SLU-STATICA	6.6570	31.6912	2.05	64.96
573	Shell-Thick	SLU-STATICA	5.0390	25.6886	3.14	64.96
573	Shell-Thick	SLU-SISMICA	8.4942	38.5516	5.63	82.73
573	Shell-Thick	SLU-SISMICA	10.8316	45.2341	3.78	82.73
573	Shell-Thick	SLU-SISMICA	10.0306	47.7657	3.78	85.93
573	Shell-Thick	SLU-SISMICA	7.8837	39.7756	5.63	85.93
573	Shell-Thick	SLE-RARA	3.9095	18.3470	2.26	46.81
573	Shell-Thick	SLE-RARA	5.2018	22.1610	1.47	46.81
573	Shell-Thick	SLE-RARA	4.8761	23.2127	1.47	48.18
573	Shell-Thick	SLE-RARA	3.6765	18.7633	2.26	48.18
573	Shell-Thick	SLE-FREQ.	3.5560	16.7889	2.00	44.04
573	Shell-Thick	SLE-FREQ.	4.7677	20.3818	1.29	44.04
573	Shell-Thick	SLE-FREQ.	4.4787	21.3193	1.29	45.27
573	Shell-Thick	SLE-FREQ.	3.3520	17.1430	2.00	45.27
573	Shell-Thick	SLE-QP	2.4954	12.1149	1.22	35.73
573	Shell-Thick	SLE-QP	3.4653	15.0441	0.75	35.73
573	Shell-Thick	SLE-QP	3.2862	15.6392	0.75	36.54
573	Shell-Thick	SLE-QP	2.3787	12.2821	1.22	36.54
574	Shell-Thick	SLU-STATICA	7.1232	26.4457	3.43	65.23
574	Shell-Thick	SLU-STATICA	7.1477	31.4491	2.20	65.23
574	Shell-Thick	SLU-STATICA	6.6141	36.9912	2.20	67.36
574	Shell-Thick	SLU-STATICA	6.8126	30.4605	3.43	67.36
574	Shell-Thick	SLU-SISMICA	11.1522	40.9309	5.96	86.33
574	Shell-Thick	SLU-SISMICA	10.9531	47.4486	3.93	86.33
574	Shell-Thick	SLU-SISMICA	10.0442	56.0697	3.93	89.85
574	Shell-Thick	SLU-SISMICA	10.5778	47.2610	5.96	89.85
574	Shell-Thick	SLE-RARA	5.1968	19.3172	2.47	48.38
574	Shell-Thick	SLE-RARA	5.2265	23.0330	1.58	48.38
574	Shell-Thick	SLE-RARA	4.8408	27.0790	1.58	49.92
574	Shell-Thick	SLE-RARA	4.9746	22.2440	2.47	49.92

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574	Shell-Thick	SLE-FREQ.	4.7376	17.6505	2.20	45.45
574	Shell-Thick	SLE-FREQ.	4.7849	21.1502	1.40	45.45
574	Shell-Thick	SLE-FREQ.	4.4396	24.8435	1.40	46.84
574	Shell-Thick	SLE-FREQ.	4.5425	20.3148	2.20	46.84
574	Shell-Thick	SLE-QP	3.3598	12.6504	1.39	36.67
574	Shell-Thick	SLE-QP	3.4601	15.5019	0.86	36.67
574	Shell-Thick	SLE-QP	3.2358	18.1368	0.86	37.60
574	Shell-Thick	SLE-QP	3.2462	14.5274	1.39	37.60
575	Shell-Thick	SLU-STATICA	8.3240	31.4118	5.13	67.83
575	Shell-Thick	SLU-STATICA	9.5578	36.9309	3.76	67.83
575	Shell-Thick	SLU-STATICA	8.8201	37.6672	3.76	70.20
575	Shell-Thick	SLU-STATICA	7.7276	31.1788	5.13	70.20
575	Shell-Thick	SLU-SISMICA	12.9915	48.7062	8.29	90.56
575	Shell-Thick	SLU-SISMICA	14.6025	56.0189	6.07	90.56
575	Shell-Thick	SLU-SISMICA	13.4191	57.5408	6.07	94.39
575	Shell-Thick	SLU-SISMICA	12.0214	48.7642	8.29	94.39
575	Shell-Thick	SLE-RARA	6.0748	22.9402	3.73	50.27
575	Shell-Thick	SLE-RARA	6.9909	27.0329	2.74	50.27
575	Shell-Thick	SLE-RARA	6.4542	27.5517	2.74	51.99
575	Shell-Thick	SLE-RARA	5.6416	22.7492	3.73	51.99
575	Shell-Thick	SLE-FREQ.	5.5415	20.9533	3.38	47.16
575	Shell-Thick	SLE-FREQ.	6.4040	24.7977	2.48	47.16
575	Shell-Thick	SLE-FREQ.	5.9171	25.2392	2.48	48.72
575	Shell-Thick	SLE-FREQ.	5.1496	20.7431	3.38	48.72
575	Shell-Thick	SLE-QP	3.9413	14.9926	2.32	37.84
575	Shell-Thick	SLE-QP	4.6431	18.0921	1.71	37.84
575	Shell-Thick	SLE-QP	4.3059	18.3015	1.71	38.91
575	Shell-Thick	SLE-QP	3.6737	14.7248	2.32	38.91
576	Shell-Thick	SLU-STATICA	11.3158	32.2821	6.87	70.50
576	Shell-Thick	SLU-STATICA	10.7107	37.6596	4.95	70.50
576	Shell-Thick	SLU-STATICA	9.6932	45.7303	4.95	73.82
576	Shell-Thick	SLU-STATICA	10.5608	38.5528	6.87	73.82
576	Shell-Thick	SLU-SISMICA	17.5031	50.4318	10.49	94.85
576	Shell-Thick	SLU-SISMICA	16.3851	57.5627	7.51	94.85
576	Shell-Thick	SLU-SISMICA	14.8386	69.9699	7.51	100.01
576	Shell-Thick	SLU-SISMICA	16.3489	60.1499	10.49	100.01
576	Shell-Thick	SLE-RARA	8.2661	23.5571	5.02	52.21
576	Shell-Thick	SLE-RARA	7.8332	27.5445	3.62	52.21
576	Shell-Thick	SLE-RARA	7.0885	33.4438	3.62	54.63
576	Shell-Thick	SLE-RARA	7.7140	28.1369	5.02	54.63
576	Shell-Thick	SLE-FREQ.	7.5538	21.4847	4.60	48.92
576	Shell-Thick	SLE-FREQ.	7.1737	25.2297	3.32	48.92
576	Shell-Thick	SLE-FREQ.	6.4909	30.6272	3.32	51.13
576	Shell-Thick	SLE-FREQ.	7.0481	25.6683	4.60	51.13
576	Shell-Thick	SLE-QP	5.4169	15.2676	3.33	39.06
576	Shell-Thick	SLE-QP	5.1954	18.2853	2.42	39.06
576	Shell-Thick	SLE-QP	4.6980	22.1773	2.42	40.63
576	Shell-Thick	SLE-QP	5.0505	18.2624	3.33	40.63
577	Shell-Thick	SLU-STATICA	16.6774	40.2817	11.70	74.21
577	Shell-Thick	SLU-STATICA	14.9690	46.2799	10.16	74.21
577	Shell-Thick	SLU-STATICA	13.2450	45.3043	10.16	76.87
577	Shell-Thick	SLU-STATICA	15.1204	38.1598	11.70	76.87
577	Shell-Thick	SLU-SISMICA	25.5124	62.7318	17.02	100.59
577	Shell-Thick	SLU-SISMICA	22.7856	70.8101	14.63	100.59
577	Shell-Thick	SLU-SISMICA	20.2868	69.7774	14.63	104.73
577	Shell-Thick	SLU-SISMICA	23.2621	59.9945	17.02	104.73
577	Shell-Thick	SLE-RARA	12.1969	29.4044	8.60	54.92
577	Shell-Thick	SLE-RARA	10.9532	33.8458	7.48	54.92
577	Shell-Thick	SLE-RARA	9.6853	33.1094	7.48	56.86
577	Shell-Thick	SLE-RARA	11.0517	27.8272	8.60	56.86
577	Shell-Thick	SLE-FREQ.	11.1701	26.8344	7.95	51.39
577	Shell-Thick	SLE-FREQ.	10.0407	30.9954	6.93	51.39
577	Shell-Thick	SLE-FREQ.	8.8678	30.2818	6.93	53.17
577	Shell-Thick	SLE-FREQ.	10.1101	25.3467	7.95	53.17
577	Shell-Thick	SLE-QP	8.0898	19.1245	6.01	40.83
577	Shell-Thick	SLE-QP	7.3034	22.4442	5.27	40.83
577	Shell-Thick	SLE-QP	6.4153	21.7991	5.27	42.09
577	Shell-Thick	SLE-QP	7.2854	17.9052	6.01	42.09
578	Shell-Thick	SLU-STATICA	26.1132	41.1350	17.94	77.44

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578	Shell-Thick	SLU-STATICA	25.6286	47.0044	17.19	77.44
578	Shell-Thick	SLU-STATICA	22.8581	48.6897	17.19	78.75
578	Shell-Thick	SLU-STATICA	23.6130	40.9718	17.94	78.75
578	Shell-Thick	SLU-SISMICA	39.4964	64.3766	25.20	105.57
578	Shell-Thick	SLU-SISMICA	38.5958	72.3040	23.79	105.57
578	Shell-Thick	SLU-SISMICA	34.7216	75.2504	23.79	108.01
578	Shell-Thick	SLU-SISMICA	36.0203	64.5983	25.20	108.01
578	Shell-Thick	SLE-RARA	19.1202	30.0116	13.23	57.28
578	Shell-Thick	SLE-RARA	18.7737	34.3564	12.69	57.28
578	Shell-Thick	SLE-RARA	16.7293	35.5707	12.69	58.21
578	Shell-Thick	SLE-RARA	17.2742	29.8687	13.23	58.21
578	Shell-Thick	SLE-FREQ.	17.5489	27.3616	12.31	53.56
578	Shell-Thick	SLE-FREQ.	17.2451	31.4302	11.84	53.56
578	Shell-Thick	SLE-FREQ.	15.3419	32.5109	11.84	54.37
578	Shell-Thick	SLE-FREQ.	15.8287	27.1906	12.31	54.37
578	Shell-Thick	SLE-QP	12.8351	19.4116	9.54	42.39
578	Shell-Thick	SLE-QP	12.6595	22.6515	9.27	42.39
578	Shell-Thick	SLE-QP	11.1796	23.3314	9.27	42.85
578	Shell-Thick	SLE-QP	11.4920	19.1563	9.54	42.85
579	Shell-Thick	SLU-STATICA	39.1051	45.1963	27.82	79.55
579	Shell-Thick	SLU-STATICA	42.3556	51.4632	31.01	79.55
579	Shell-Thick	SLU-STATICA	37.8805	40.8821	31.01	74.03
579	Shell-Thick	SLU-STATICA	34.7523	33.7889	27.82	74.03
579	Shell-Thick	SLU-SISMICA	58.6093	70.7243	38.41	109.15
579	Shell-Thick	SLU-SISMICA	63.2293	79.3436	42.21	109.15
579	Shell-Thick	SLU-SISMICA	57.0938	64.0950	42.21	102.59
579	Shell-Thick	SLU-SISMICA	52.6484	54.2944	38.41	102.59
579	Shell-Thick	SLE-RARA	28.6596	32.9750	20.55	58.80
579	Shell-Thick	SLE-RARA	31.0544	37.6065	22.94	58.80
579	Shell-Thick	SLE-RARA	27.7462	29.8214	22.94	54.67
579	Shell-Thick	SLE-RARA	25.4415	24.5815	20.55	54.67
579	Shell-Thick	SLE-FREQ.	26.3501	30.0640	19.18	54.92
579	Shell-Thick	SLE-FREQ.	28.5733	34.3880	21.46	54.92
579	Shell-Thick	SLE-FREQ.	25.4831	27.1784	21.46	50.98
579	Shell-Thick	SLE-FREQ.	23.3435	22.2903	19.18	50.98
579	Shell-Thick	SLE-QP	19.4216	21.3312	15.05	43.27
579	Shell-Thick	SLE-QP	21.1300	24.7326	17.00	43.27
579	Shell-Thick	SLE-QP	18.6939	19.2496	17.00	39.89
579	Shell-Thick	SLE-QP	17.0494	15.4165	15.05	39.89
580	Shell-Thick	SLU-STATICA	43.6407	37.0310	35.74	75.04
580	Shell-Thick	SLU-STATICA	53.5900	42.5597	43.50	75.04
580	Shell-Thick	SLU-STATICA	47.5829	41.3267	43.50	61.63
580	Shell-Thick	SLU-STATICA	37.7586	34.9659	35.74	61.63
580	Shell-Thick	SLU-SISMICA	65.1475	58.8362	48.88	104.00
580	Shell-Thick	SLU-SISMICA	79.6283	66.5599	58.69	104.00
580	Shell-Thick	SLU-SISMICA	71.4707	65.1376	58.69	87.05
580	Shell-Thick	SLU-SISMICA	57.1658	56.2417	48.88	87.05
580	Shell-Thick	SLE-RARA	31.9966	26.9734	26.43	55.42
580	Shell-Thick	SLE-RARA	39.3098	31.0533	32.20	55.42
580	Shell-Thick	SLE-RARA	34.8651	30.1284	32.20	45.43
580	Shell-Thick	SLE-RARA	27.6442	25.4349	26.43	45.43
580	Shell-Thick	SLE-FREQ.	29.4402	24.5163	24.70	51.67
580	Shell-Thick	SLE-FREQ.	36.2008	28.3152	30.16	51.67
580	Shell-Thick	SLE-FREQ.	32.0424	27.4288	30.16	42.23
580	Shell-Thick	SLE-FREQ.	25.3677	23.0593	24.70	42.23
580	Shell-Thick	SLE-QP	21.7711	17.1452	19.50	40.43
580	Shell-Thick	SLE-QP	26.8735	20.1012	24.03	40.43
580	Shell-Thick	SLE-QP	23.5741	19.3298	24.03	32.60
580	Shell-Thick	SLE-QP	18.5382	15.9325	19.50	32.60
581	Shell-Thick	SLU-STATICA	3.3395	0.4908	20.13	12.10
581	Shell-Thick	SLU-STATICA	2.7355	1.8239	13.88	12.10
581	Shell-Thick	SLU-STATICA	0.1577	3.0629	13.88	22.92
581	Shell-Thick	SLU-STATICA	0.8147	1.3494	20.13	22.92
581	Shell-Thick	SLU-SISMICA	4.1376	0.6949	23.10	13.88
581	Shell-Thick	SLU-SISMICA	3.3084	2.2229	15.82	13.88
581	Shell-Thick	SLU-SISMICA	0.3568	3.9150	15.82	26.47
581	Shell-Thick	SLU-SISMICA	1.2494	1.9328	23.10	26.47
581	Shell-Thick	SLE-RARA	2.4907	0.3617	15.11	9.08
581	Shell-Thick	SLE-RARA	2.0442	1.3622	10.42	9.08

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581	Shell-Thick	SLE-RARA	0.1096	2.2784	10.42	17.19
581	Shell-Thick	SLE-RARA	0.5957	0.9935	15.11	17.19
581	Shell-Thick	SLE-FREQ.	2.3637	0.3360	14.49	8.71
581	Shell-Thick	SLE-FREQ.	1.9467	1.2958	10.00	8.71
581	Shell-Thick	SLE-FREQ.	0.0905	2.1522	10.00	16.47
581	Shell-Thick	SLE-FREQ.	0.5453	0.9210	14.49	16.47
581	Shell-Thick	SLE-QP	1.9827	0.2589	12.64	7.60
581	Shell-Thick	SLE-QP	1.6543	1.0966	8.75	7.60
581	Shell-Thick	SLE-QP	0.0333	1.7736	8.75	14.33
581	Shell-Thick	SLE-QP	0.3940	0.7037	12.64	14.33
582	Shell-Thick	SLU-STATICA	2.3224	1.4824	15.00	22.82
582	Shell-Thick	SLU-STATICA	2.3792	3.6757	9.99	22.82
582	Shell-Thick	SLU-STATICA	0.4809	5.3844	9.99	31.48
582	Shell-Thick	SLU-STATICA	0.4712	2.8546	15.00	31.48
582	Shell-Thick	SLU-SISMICA	3.1840	2.1128	17.79	26.34
582	Shell-Thick	SLU-SISMICA	3.1004	4.6707	11.80	26.34
582	Shell-Thick	SLU-SISMICA	0.8543	6.9212	11.80	36.70
582	Shell-Thick	SLU-SISMICA	0.9892	3.9951	17.79	36.70
582	Shell-Thick	SLE-RARA	1.7169	1.0919	11.23	17.11
582	Shell-Thick	SLE-RARA	1.7669	2.7357	7.48	17.11
582	Shell-Thick	SLE-RARA	0.3458	4.0034	7.48	23.59
582	Shell-Thick	SLE-RARA	0.3313	2.1062	11.23	23.59
582	Shell-Thick	SLE-FREQ.	1.6037	1.0132	10.72	16.40
582	Shell-Thick	SLE-FREQ.	1.6641	2.5865	7.15	16.40
582	Shell-Thick	SLE-FREQ.	0.3066	3.7784	7.15	22.58
582	Shell-Thick	SLE-FREQ.	0.2805	1.9606	10.72	22.58
582	Shell-Thick	SLE-QP	1.2643	0.7770	9.20	14.27
582	Shell-Thick	SLE-QP	1.3556	2.1388	6.15	14.27
582	Shell-Thick	SLE-QP	0.1890	3.1034	6.15	19.55
582	Shell-Thick	SLE-QP	0.1283	1.5236	9.20	19.55
583	Shell-Thick	SLU-STATICA	1.9760	3.0932	11.45	31.45
583	Shell-Thick	SLU-STATICA	2.2681	5.8043	7.46	31.45
583	Shell-Thick	SLU-STATICA	0.8030	8.3444	7.46	38.33
583	Shell-Thick	SLU-STATICA	0.6041	4.9849	11.45	38.33
583	Shell-Thick	SLU-SISMICA	2.9251	4.2972	14.05	36.66
583	Shell-Thick	SLU-SISMICA	3.0472	7.4449	9.14	36.66
583	Shell-Thick	SLU-SISMICA	1.2489	10.8719	9.14	45.15
583	Shell-Thick	SLU-SISMICA	1.2448	6.9028	14.05	45.15
583	Shell-Thick	SLE-RARA	1.4500	2.2838	8.54	23.57
583	Shell-Thick	SLE-RARA	1.6798	4.3164	5.57	23.57
583	Shell-Thick	SLE-RARA	0.5863	6.1969	5.57	28.71
583	Shell-Thick	SLE-RARA	0.4258	3.6817	8.54	28.71
583	Shell-Thick	SLE-FREQ.	1.3363	2.1285	8.12	22.56
583	Shell-Thick	SLE-FREQ.	1.5744	4.0751	5.30	22.56
583	Shell-Thick	SLE-FREQ.	0.5352	5.8364	5.30	27.44
583	Shell-Thick	SLE-FREQ.	0.3627	3.4333	8.12	27.44
583	Shell-Thick	SLE-QP	0.9951	1.6628	6.84	19.53
583	Shell-Thick	SLE-QP	1.2581	3.3514	4.47	19.53
583	Shell-Thick	SLE-QP	0.3819	4.7549	4.47	23.64
583	Shell-Thick	SLE-QP	0.1732	2.6881	6.84	23.64
584	Shell-Thick	SLU-STATICA	1.7763	5.3133	8.92	38.42
584	Shell-Thick	SLU-STATICA	2.6493	8.6197	5.68	38.42
584	Shell-Thick	SLU-STATICA	1.5135	11.2033	5.68	44.01
584	Shell-Thick	SLU-STATICA	0.7207	7.3394	8.92	44.01
584	Shell-Thick	SLU-SISMICA	2.7205	7.3230	11.37	45.26
584	Shell-Thick	SLU-SISMICA	3.6386	11.2248	7.24	45.26
584	Shell-Thick	SLU-SISMICA	2.1933	14.7373	7.24	52.40
584	Shell-Thick	SLU-SISMICA	1.3747	10.1435	11.37	52.40
584	Shell-Thick	SLE-RARA	1.2989	3.9259	6.64	28.77
584	Shell-Thick	SLE-RARA	1.9582	6.4017	4.23	28.77
584	Shell-Thick	SLE-RARA	1.1130	8.3131	4.23	32.93
584	Shell-Thick	SLE-RARA	0.5135	5.4216	6.64	32.93
584	Shell-Thick	SLE-FREQ.	1.1893	3.6640	6.27	27.50
584	Shell-Thick	SLE-FREQ.	1.8286	6.0297	4.00	27.50
584	Shell-Thick	SLE-FREQ.	1.0297	7.8177	4.00	31.43
584	Shell-Thick	SLE-FREQ.	0.4471	5.0575	6.27	31.43
584	Shell-Thick	SLE-QP	0.8604	2.8781	5.18	23.68
584	Shell-Thick	SLE-QP	1.4398	4.9140	3.30	23.68
584	Shell-Thick	SLE-QP	0.7798	6.3315	3.30	26.92

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584	Shell-Thick	SLE-QP	0.2479	3.9651	5.18	26.92
585	Shell-Thick	SLU-STATICA	2.1312	7.7423	6.96	44.11
585	Shell-Thick	SLU-STATICA	2.8343	11.3466	4.34	44.11
585	Shell-Thick	SLU-STATICA	1.9241	14.5053	4.34	48.65
585	Shell-Thick	SLU-STATICA	1.3459	10.0402	6.96	48.65
585	Shell-Thick	SLU-SISMICA	3.2666	10.6737	9.23	52.53
585	Shell-Thick	SLU-SISMICA	3.9041	14.9276	5.76	52.53
585	Shell-Thick	SLU-SISMICA	2.6955	19.3664	5.76	58.54
585	Shell-Thick	SLU-SISMICA	2.2256	13.9582	9.23	58.54
585	Shell-Thick	SLE-RARA	1.5583	5.7206	5.16	33.01
585	Shell-Thick	SLE-RARA	2.0943	8.4193	3.22	33.01
585	Shell-Thick	SLE-RARA	1.4195	10.7490	3.22	36.37
585	Shell-Thick	SLE-RARA	0.9760	7.4126	5.16	36.37
585	Shell-Thick	SLE-FREQ.	1.4266	5.3386	4.85	31.50
585	Shell-Thick	SLE-FREQ.	1.9548	7.9175	3.02	31.50
585	Shell-Thick	SLE-FREQ.	1.3211	10.0845	3.02	34.66
585	Shell-Thick	SLE-FREQ.	0.8796	6.9079	4.85	34.66
585	Shell-Thick	SLE-QP	1.0314	4.1928	3.91	26.98
585	Shell-Thick	SLE-QP	1.5361	6.4118	2.43	26.98
585	Shell-Thick	SLE-QP	1.0259	8.0910	2.43	29.53
585	Shell-Thick	SLE-QP	0.5906	5.3936	3.91	29.53
586	Shell-Thick	SLU-STATICA	2.2208	10.4908	5.53	48.86
586	Shell-Thick	SLU-STATICA	3.5529	14.5555	3.35	48.86
586	Shell-Thick	SLU-STATICA	2.8363	17.3766	3.35	52.63
586	Shell-Thick	SLU-STATICA	1.6056	12.6129	5.53	52.63
586	Shell-Thick	SLU-SISMICA	3.3889	14.5668	7.68	58.82
586	Shell-Thick	SLU-SISMICA	4.9571	19.4428	4.67	58.82
586	Shell-Thick	SLU-SISMICA	3.9631	23.4800	4.67	64.02
586	Shell-Thick	SLU-SISMICA	2.5304	17.6695	7.68	64.02
586	Shell-Thick	SLE-RARA	1.6246	7.7462	4.08	36.53
586	Shell-Thick	SLE-RARA	2.6222	10.7857	2.47	36.53
586	Shell-Thick	SLE-RARA	2.0930	12.8627	2.47	39.31
586	Shell-Thick	SLE-RARA	1.1705	9.3053	4.08	39.31
586	Shell-Thick	SLE-FREQ.	1.4886	7.2202	3.80	34.81
586	Shell-Thick	SLE-FREQ.	2.4422	10.1182	2.30	34.81
586	Shell-Thick	SLE-FREQ.	1.9488	12.0440	2.30	37.40
586	Shell-Thick	SLE-FREQ.	1.0657	8.6603	3.80	37.40
586	Shell-Thick	SLE-QP	1.0804	5.6423	2.97	29.65
586	Shell-Thick	SLE-QP	1.9020	8.1155	1.79	29.65
586	Shell-Thick	SLE-QP	1.5162	9.5878	1.79	31.69
586	Shell-Thick	SLE-QP	0.7511	6.7254	2.97	31.69
587	Shell-Thick	SLU-STATICA	2.9251	13.1088	4.33	52.81
587	Shell-Thick	SLU-STATICA	3.7488	17.3270	2.55	52.81
587	Shell-Thick	SLU-STATICA	3.1584	20.6975	2.55	55.90
587	Shell-Thick	SLU-STATICA	2.4833	15.4585	4.33	55.90
587	Shell-Thick	SLU-SISMICA	4.4189	18.3577	6.33	64.27
587	Shell-Thick	SLU-SISMICA	5.2424	23.4254	3.76	64.27
587	Shell-Thick	SLU-SISMICA	4.3814	28.3869	3.76	68.72
587	Shell-Thick	SLU-SISMICA	3.7666	21.8857	6.33	68.72
587	Shell-Thick	SLE-RARA	2.1420	9.6715	3.18	39.45
587	Shell-Thick	SLE-RARA	2.7662	12.8255	1.87	39.45
587	Shell-Thick	SLE-RARA	2.3323	15.3001	1.87	41.72
587	Shell-Thick	SLE-RARA	1.8178	11.3933	3.18	41.72
587	Shell-Thick	SLE-FREQ.	1.9664	9.0017	2.94	37.53
587	Shell-Thick	SLE-FREQ.	2.5752	12.0081	1.72	37.53
587	Shell-Thick	SLE-FREQ.	2.1743	14.2910	1.72	39.64
587	Shell-Thick	SLE-FREQ.	1.6675	10.5842	2.94	39.64
587	Shell-Thick	SLE-QP	1.4397	6.9923	2.21	31.79
587	Shell-Thick	SLE-QP	2.0024	9.5559	1.29	31.79
587	Shell-Thick	SLE-QP	1.7003	11.2635	1.29	33.39
587	Shell-Thick	SLE-QP	1.2167	8.1569	2.21	33.39
588	Shell-Thick	SLU-STATICA	3.0434	15.9786	3.52	56.21
588	Shell-Thick	SLU-STATICA	4.6786	20.5935	1.98	56.21
588	Shell-Thick	SLU-STATICA	4.2090	23.3016	1.98	58.86
588	Shell-Thick	SLU-STATICA	2.6872	17.9069	3.52	58.86
588	Shell-Thick	SLU-SISMICA	4.5863	22.6241	5.44	69.15
588	Shell-Thick	SLU-SISMICA	6.6322	28.2626	3.13	69.15
588	Shell-Thick	SLU-SISMICA	5.9093	32.3499	3.13	73.14
588	Shell-Thick	SLU-SISMICA	4.0236	25.6107	5.44	73.14



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588	Shell-Thick	SLE-RARA	2.2292	11.7764	2.57	41.94
588	Shell-Thick	SLE-RARA	3.4478	15.2224	1.45	41.94
588	Shell-Thick	SLE-RARA	3.1046	17.2057	1.45	43.89
588	Shell-Thick	SLE-RARA	1.9696	13.1849	2.57	43.89
588	Shell-Thick	SLE-FREQ.	2.0474	10.9399	2.35	39.85
588	Shell-Thick	SLE-FREQ.	3.2023	14.2168	1.32	39.85
588	Shell-Thick	SLE-FREQ.	2.8883	16.0379	1.32	41.63
588	Shell-Thick	SLE-FREQ.	1.8112	12.2267	2.35	41.63
588	Shell-Thick	SLE-QP	1.5021	8.4304	1.69	33.55
588	Shell-Thick	SLE-QP	2.4656	11.2001	0.93	33.55
588	Shell-Thick	SLE-QP	2.2394	12.5344	0.93	34.87
588	Shell-Thick	SLE-QP	1.3360	9.3521	1.69	34.87
589	Shell-Thick	SLU-STATICA	3.9873	18.4600	2.78	59.09
589	Shell-Thick	SLU-STATICA	4.7473	23.1163	1.50	59.09
589	Shell-Thick	SLU-STATICA	4.3422	26.6085	1.50	61.30
589	Shell-Thick	SLU-STATICA	3.7515	20.7916	2.78	61.30
589	Shell-Thick	SLU-SISMICA	5.9924	26.4131	4.57	73.46
589	Shell-Thick	SLU-SISMICA	6.7610	32.1116	2.55	73.46
589	Shell-Thick	SLU-SISMICA	6.1039	37.4635	2.55	76.95
589	Shell-Thick	SLU-SISMICA	5.5814	30.0771	4.57	76.95
589	Shell-Thick	SLE-RARA	2.9214	13.5915	2.01	44.06
589	Shell-Thick	SLE-RARA	3.4968	17.0679	1.08	44.06
589	Shell-Thick	SLE-RARA	3.2024	19.6214	1.08	45.67
589	Shell-Thick	SLE-RARA	2.7515	15.2919	2.01	45.67
589	Shell-Thick	SLE-FREQ.	2.6846	12.6028	1.82	41.79
589	Shell-Thick	SLE-FREQ.	3.2451	15.9078	0.97	41.79
589	Shell-Thick	SLE-FREQ.	2.9787	18.2455	0.97	43.26
589	Shell-Thick	SLE-FREQ.	2.5333	14.1518	1.82	43.26
589	Shell-Thick	SLE-QP	1.9742	9.6367	1.23	34.99
589	Shell-Thick	SLE-QP	2.4900	12.4276	0.63	34.99
589	Shell-Thick	SLE-QP	2.3075	14.1180	0.63	36.02
589	Shell-Thick	SLE-QP	1.8786	10.7314	1.23	36.02
590	Shell-Thick	SLU-STATICA	4.0188	21.3625	2.42	61.68
590	Shell-Thick	SLU-STATICA	5.9035	26.4033	1.24	61.68
590	Shell-Thick	SLU-STATICA	5.5683	28.8340	1.24	63.72
590	Shell-Thick	SLU-STATICA	3.8042	22.9656	2.42	63.72
590	Shell-Thick	SLU-SISMICA	6.0599	30.9203	4.21	77.50
590	Shell-Thick	SLU-SISMICA	8.5205	37.1993	2.28	77.50
590	Shell-Thick	SLU-SISMICA	7.9455	41.0681	2.28	80.84
590	Shell-Thick	SLU-SISMICA	5.6621	33.5728	4.21	80.84
590	Shell-Thick	SLE-RARA	2.9435	15.7109	1.75	45.95
590	Shell-Thick	SLE-RARA	4.3429	19.4689	0.89	45.95
590	Shell-Thick	SLE-RARA	4.1008	21.2390	0.89	47.43
590	Shell-Thick	SLE-RARA	2.7900	16.8734	1.75	47.43
590	Shell-Thick	SLE-FREQ.	2.7032	14.5381	1.56	43.52
590	Shell-Thick	SLE-FREQ.	4.0208	18.1016	0.78	43.52
590	Shell-Thick	SLE-FREQ.	3.8044	19.7100	0.78	44.86
590	Shell-Thick	SLE-FREQ.	2.5685	15.5857	1.56	44.86
590	Shell-Thick	SLE-QP	1.9822	11.0196	0.99	36.22
590	Shell-Thick	SLE-QP	3.0543	13.9999	0.46	36.22
590	Shell-Thick	SLE-QP	2.9150	15.1227	0.46	37.13
590	Shell-Thick	SLE-QP	1.9041	11.7225	0.99	37.13
591	Shell-Thick	SLU-STATICA	5.2300	23.5699	2.01	63.97
591	Shell-Thick	SLU-STATICA	5.7610	28.5534	0.98	63.97
591	Shell-Thick	SLU-STATICA	5.4408	32.3632	0.98	65.76
591	Shell-Thick	SLU-STATICA	5.1023	26.0614	2.01	65.76
591	Shell-Thick	SLU-SISMICA	7.8936	34.4787	3.70	81.20
591	Shell-Thick	SLU-SISMICA	8.3689	40.6933	1.94	81.20
591	Shell-Thick	SLU-SISMICA	7.8025	46.6868	1.94	84.23
591	Shell-Thick	SLU-SISMICA	7.6137	38.5103	3.70	84.23
591	Shell-Thick	SLE-RARA	3.8302	17.3163	1.44	47.62
591	Shell-Thick	SLE-RARA	4.2354	21.0311	0.69	47.62
591	Shell-Thick	SLE-RARA	4.0050	23.8091	0.69	48.91
591	Shell-Thick	SLE-RARA	3.7411	19.1274	1.44	48.91
591	Shell-Thick	SLE-FREQ.	3.5169	15.9928	1.26	45.03
591	Shell-Thick	SLE-FREQ.	3.9166	19.5149	0.59	45.03
591	Shell-Thick	SLE-FREQ.	3.7122	22.0449	0.59	46.18
591	Shell-Thick	SLE-FREQ.	3.4425	17.6328	1.26	46.18
591	Shell-Thick	SLE-QP	2.5769	12.0225	0.74	37.26



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591	Shell-Thick	SLE-QP	2.9604	14.9663	0.31	37.26
591	Shell-Thick	SLE-QP	2.8337	16.7524	0.31	38.01
591	Shell-Thick	SLE-QP	2.5466	13.1488	0.74	38.01
592	Shell-Thick	SLU-STATICA	5.1492	26.6971	2.13	66.21
592	Shell-Thick	SLU-STATICA	7.2795	32.1046	1.04	66.21
592	Shell-Thick	SLU-STATICA	6.9777	34.1676	1.04	68.10
592	Shell-Thick	SLU-STATICA	4.9742	27.8913	2.13	68.10
592	Shell-Thick	SLU-SISMICA	7.8257	39.4739	3.93	84.91
592	Shell-Thick	SLU-SISMICA	10.6947	46.3441	2.07	84.91
592	Shell-Thick	SLU-SISMICA	10.1490	49.8164	2.07	88.12
592	Shell-Thick	SLU-SISMICA	7.4712	41.6348	3.93	88.12
592	Shell-Thick	SLE-RARA	3.7684	19.5928	1.53	49.24
592	Shell-Thick	SLE-RARA	5.3458	23.6173	0.74	49.24
592	Shell-Thick	SLE-RARA	5.1293	25.1104	0.74	50.60
592	Shell-Thick	SLE-RARA	3.6447	20.4495	1.53	50.60
592	Shell-Thick	SLE-FREQ.	3.4555	18.0597	1.34	46.49
592	Shell-Thick	SLE-FREQ.	4.9333	21.8648	0.64	46.49
592	Shell-Thick	SLE-FREQ.	4.7422	23.2052	0.64	47.71
592	Shell-Thick	SLE-FREQ.	3.3496	18.8158	1.34	47.71
592	Shell-Thick	SLE-QP	2.5169	13.4605	0.79	38.24
592	Shell-Thick	SLE-QP	3.6959	16.6072	0.33	38.24
592	Shell-Thick	SLE-QP	3.5809	17.4897	0.33	39.03
592	Shell-Thick	SLE-QP	2.4644	13.9148	0.79	39.03
593	Shell-Thick	SLU-STATICA	6.7841	28.5705	2.06	68.35
593	Shell-Thick	SLU-STATICA	6.8653	33.8278	1.00	68.35
593	Shell-Thick	SLU-STATICA	6.5234	38.5691	1.00	70.19
593	Shell-Thick	SLU-STATICA	6.6667	31.7745	2.06	70.19
593	Shell-Thick	SLU-SISMICA	10.3175	42.6721	3.82	88.50
593	Shell-Thick	SLU-SISMICA	10.1657	49.3517	1.99	88.50
593	Shell-Thick	SLU-SISMICA	9.5615	56.8514	1.99	91.66
593	Shell-Thick	SLU-SISMICA	10.0510	47.8590	3.82	91.66
593	Shell-Thick	SLE-RARA	4.9645	20.9464	1.48	50.79
593	Shell-Thick	SLE-RARA	5.0377	24.8591	0.71	50.79
593	Shell-Thick	SLE-RARA	4.7917	28.3143	0.71	52.12
593	Shell-Thick	SLE-RARA	4.8830	23.2753	1.48	52.12
593	Shell-Thick	SLE-FREQ.	4.5518	19.2710	1.30	47.88
593	Shell-Thick	SLE-FREQ.	4.6423	22.9704	0.61	47.88
593	Shell-Thick	SLE-FREQ.	4.4238	26.1137	0.61	49.07
593	Shell-Thick	SLE-FREQ.	4.4845	21.3796	1.30	49.07
593	Shell-Thick	SLE-QP	3.3134	14.2450	0.75	39.16
593	Shell-Thick	SLE-QP	3.4559	17.3044	0.31	39.16
593	Shell-Thick	SLE-QP	3.3204	19.5120	0.31	39.92
593	Shell-Thick	SLE-QP	3.2889	15.6925	0.75	39.92
594	Shell-Thick	SLU-STATICA	6.7422	32.5405	2.95	70.74
594	Shell-Thick	SLU-STATICA	9.0796	38.3294	1.60	70.74
594	Shell-Thick	SLU-STATICA	8.6706	39.8665	1.60	73.06
594	Shell-Thick	SLU-STATICA	6.4689	33.1461	2.95	73.06
594	Shell-Thick	SLU-SISMICA	10.3342	49.0312	5.04	92.47
594	Shell-Thick	SLU-SISMICA	13.5440	56.5323	2.82	92.47
594	Shell-Thick	SLU-SISMICA	12.8506	59.3327	2.82	96.32
594	Shell-Thick	SLU-SISMICA	9.8478	50.4105	5.04	96.32
594	Shell-Thick	SLE-RARA	4.9298	23.8355	2.13	52.52
594	Shell-Thick	SLE-RARA	6.6575	28.1367	1.15	52.52
594	Shell-Thick	SLE-RARA	6.3618	29.2384	1.15	54.20
594	Shell-Thick	SLE-RARA	4.7334	24.2559	2.13	54.20
594	Shell-Thick	SLE-FREQ.	4.5131	21.8926	1.90	49.44
594	Shell-Thick	SLE-FREQ.	6.1265	25.9470	1.02	49.44
594	Shell-Thick	SLE-FREQ.	5.8614	26.9178	1.02	50.96
594	Shell-Thick	SLE-FREQ.	4.3390	22.2390	1.90	50.96
594	Shell-Thick	SLE-QP	3.2629	16.0638	1.23	40.19
594	Shell-Thick	SLE-QP	4.5334	19.3780	0.64	40.19
594	Shell-Thick	SLE-QP	4.3603	19.9558	0.64	41.21
594	Shell-Thick	SLE-QP	3.1558	16.1884	1.23	41.21
595	Shell-Thick	SLU-STATICA	9.2025	33.9756	3.52	73.30
595	Shell-Thick	SLU-STATICA	8.4264	39.5349	1.94	73.30
595	Shell-Thick	SLU-STATICA	7.8806	46.8270	1.94	76.03
595	Shell-Thick	SLU-STATICA	8.9300	39.3958	3.52	76.03
595	Shell-Thick	SLU-SISMICA	14.0772	51.6809	5.71	96.68
595	Shell-Thick	SLU-SISMICA	12.6769	58.8734	3.19	96.68

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595	Shell-Thick	SLU-SISMICA	11.8037	70.2388	3.19	101.05
595	Shell-Thick	SLU-SISMICA	13.6149	60.2309	5.71	101.05
595	Shell-Thick	SLE-RARA	6.7302	24.8624	2.56	54.38
595	Shell-Thick	SLE-RARA	6.1732	28.9936	1.41	54.38
595	Shell-Thick	SLE-RARA	5.7760	34.3161	1.41	56.37
595	Shell-Thick	SLE-RARA	6.5332	28.8136	2.56	56.37
595	Shell-Thick	SLE-FREQ.	6.1637	22.7944	2.31	51.12
595	Shell-Thick	SLE-FREQ.	5.6717	26.6894	1.27	51.12
595	Shell-Thick	SLE-FREQ.	5.3112	31.5460	1.27	52.92
595	Shell-Thick	SLE-FREQ.	5.9871	26.3909	2.31	52.92
595	Shell-Thick	SLE-QP	4.4641	16.5902	1.58	41.33
595	Shell-Thick	SLE-QP	4.1672	19.7771	0.86	41.33
595	Shell-Thick	SLE-QP	3.9167	23.2357	0.86	42.58
595	Shell-Thick	SLE-QP	4.3488	19.1228	1.58	42.58
596	Shell-Thick	SLU-STATICA	10.2348	40.5228	6.19	76.66
596	Shell-Thick	SLU-STATICA	12.2119	46.8272	4.03	76.66
596	Shell-Thick	SLU-STATICA	11.3685	47.1029	4.03	80.40
596	Shell-Thick	SLU-STATICA	9.5447	39.7447	6.19	80.40
596	Shell-Thick	SLU-SISMICA	15.7072	61.9416	9.35	101.99
596	Shell-Thick	SLU-SISMICA	18.3957	70.2649	6.04	101.99
596	Shell-Thick	SLU-SISMICA	17.1255	71.2727	6.04	107.71
596	Shell-Thick	SLU-SISMICA	14.6691	61.3536	9.35	107.71
596	Shell-Thick	SLE-RARA	7.4826	29.6385	4.53	56.83
596	Shell-Thick	SLE-RARA	8.9453	34.3150	2.95	56.83
596	Shell-Thick	SLE-RARA	8.3275	34.4874	2.95	59.56
596	Shell-Thick	SLE-RARA	6.9770	29.0394	4.53	59.56
596	Shell-Thick	SLE-FREQ.	6.8484	27.1475	4.16	53.34
596	Shell-Thick	SLE-FREQ.	8.2165	31.5428	2.72	53.34
596	Shell-Thick	SLE-FREQ.	7.6490	31.6508	2.72	55.84
596	Shell-Thick	SLE-FREQ.	6.3839	26.5476	4.16	55.84
596	Shell-Thick	SLE-QP	4.9457	19.6745	3.05	42.90
596	Shell-Thick	SLE-QP	6.0303	23.2261	2.00	42.90
596	Shell-Thick	SLE-QP	5.6137	23.1409	2.00	44.70
596	Shell-Thick	SLE-QP	4.6044	19.0720	3.05	44.70
597	Shell-Thick	SLU-STATICA	14.8482	41.0090	9.12	80.59
597	Shell-Thick	SLU-STATICA	12.3477	47.0952	5.64	80.59
597	Shell-Thick	SLU-STATICA	11.0673	61.7715	5.64	86.60
597	Shell-Thick	SLU-STATICA	13.9135	53.3138	9.12	86.60
597	Shell-Thick	SLU-SISMICA	22.6699	63.2635	13.07	108.01
597	Shell-Thick	SLU-SISMICA	18.6958	71.2771	7.95	108.01
597	Shell-Thick	SLU-SISMICA	16.8614	93.6120	7.95	116.85
597	Shell-Thick	SLU-SISMICA	21.3506	82.0647	13.07	116.85
597	Shell-Thick	SLE-RARA	10.8613	29.9652	6.71	59.70
597	Shell-Thick	SLE-RARA	9.0400	34.4809	4.16	59.70
597	Shell-Thick	SLE-RARA	8.0974	45.2201	4.16	64.11
597	Shell-Thick	SLE-RARA	10.1722	38.9654	6.71	64.11
597	Shell-Thick	SLE-FREQ.	9.9507	27.3975	6.22	55.98
597	Shell-Thick	SLE-FREQ.	8.2954	31.6435	3.87	55.98
597	Shell-Thick	SLE-FREQ.	7.4216	41.4885	3.87	60.04
597	Shell-Thick	SLE-FREQ.	9.3102	35.6418	6.22	60.04
597	Shell-Thick	SLE-QP	7.2190	19.6943	4.75	44.80
597	Shell-Thick	SLE-QP	6.0616	23.1311	2.99	44.80
597	Shell-Thick	SLE-QP	5.3942	30.2936	2.99	47.84
597	Shell-Thick	SLE-QP	6.7243	25.6713	4.75	47.84
598	Shell-Thick	SLU-STATICA	26.3825	56.2727	18.49	86.97
598	Shell-Thick	SLU-STATICA	21.2348	63.3398	16.39	86.97
598	Shell-Thick	SLU-STATICA	18.5221	56.5860	16.39	90.60
598	Shell-Thick	SLU-STATICA	23.8611	48.2058	18.49	90.60
598	Shell-Thick	SLU-SISMICA	39.7985	86.4547	25.72	117.41
598	Shell-Thick	SLU-SISMICA	31.9629	95.9319	22.66	117.41
598	Shell-Thick	SLU-SISMICA	28.1925	86.4639	22.66	122.70
598	Shell-Thick	SLU-SISMICA	36.3097	75.0536	25.72	122.70
598	Shell-Thick	SLE-RARA	19.3226	41.1362	13.65	64.38
598	Shell-Thick	SLE-RARA	15.5559	46.3711	12.11	64.38
598	Shell-Thick	SLE-RARA	13.5531	41.3887	12.11	67.05
598	Shell-Thick	SLE-RARA	17.4602	35.1897	13.65	67.05
598	Shell-Thick	SLE-FREQ.	17.7436	37.6415	12.72	60.30
598	Shell-Thick	SLE-FREQ.	14.2907	42.5493	11.29	60.30
598	Shell-Thick	SLE-FREQ.	12.4242	37.9128	11.29	62.76

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598	Shell-Thick	SLE-FREQ.	16.0067	32.1156	12.72	62.76
598	Shell-Thick	SLE-QP	13.0067	27.1576	9.93	48.03
598	Shell-Thick	SLE-QP	10.4951	31.0840	8.85	48.03
598	Shell-Thick	SLE-QP	9.0375	27.4852	8.85	49.89
598	Shell-Thick	SLE-QP	11.6461	22.8936	9.93	49.89
599	Shell-Thick	SLU-STATICA	43.4947	54.0163	30.31	91.92
599	Shell-Thick	SLU-STATICA	49.1999	60.8378	32.56	91.92
599	Shell-Thick	SLU-STATICA	44.3354	58.0839	32.56	88.04
599	Shell-Thick	SLU-STATICA	38.9256	49.2502	30.31	88.04
599	Shell-Thick	SLU-SISMICA	64.9615	83.5240	41.21	124.62
599	Shell-Thick	SLU-SISMICA	73.1517	92.7157	43.62	124.62
599	Shell-Thick	SLU-SISMICA	66.5720	89.2958	43.62	120.45
599	Shell-Thick	SLU-SISMICA	58.8125	77.1687	41.21	120.45
599	Shell-Thick	SLE-RARA	31.8880	39.4600	22.43	68.02
599	Shell-Thick	SLE-RARA	36.0872	44.5108	24.12	68.02
599	Shell-Thick	SLE-RARA	32.4867	42.4572	24.12	65.10
599	Shell-Thick	SLE-RARA	28.5046	35.9277	22.43	65.10
599	Shell-Thick	SLE-FREQ.	29.3376	36.0621	20.98	63.66
599	Shell-Thick	SLE-FREQ.	33.2291	40.7936	22.62	63.66
599	Shell-Thick	SLE-FREQ.	29.8582	38.8454	22.62	60.83
599	Shell-Thick	SLE-FREQ.	26.1674	32.7475	20.98	60.83
599	Shell-Thick	SLE-QP	21.6864	25.8684	16.63	50.57
599	Shell-Thick	SLE-QP	24.6547	29.6419	18.10	50.57
599	Shell-Thick	SLE-QP	21.9730	28.0098	18.10	48.02
599	Shell-Thick	SLE-QP	19.1561	23.2068	16.63	48.02
600	Shell-Thick	SLU-STATICA	55.7068	54.0645	43.72	89.06
600	Shell-Thick	SLU-STATICA	65.1221	60.7831	55.99	89.06
600	Shell-Thick	SLU-STATICA	57.6234	50.6443	55.99	67.85
600	Shell-Thick	SLU-STATICA	48.2444	43.7134	43.72	67.85
600	Shell-Thick	SLU-SISMICA	82.7076	83.9418	59.16	121.84
600	Shell-Thick	SLU-SISMICA	96.2674	93.2408	74.90	121.84
600	Shell-Thick	SLU-SISMICA	86.1898	78.6867	74.90	94.64
600	Shell-Thick	SLU-SISMICA	72.6710	69.1540	59.16	94.64
600	Shell-Thick	SLE-RARA	40.8658	39.4781	32.36	65.85
600	Shell-Thick	SLE-RARA	47.7937	44.4405	41.48	65.85
600	Shell-Thick	SLE-RARA	42.2401	36.9779	41.48	50.08
600	Shell-Thick	SLE-RARA	35.3396	31.8557	32.36	50.08
600	Shell-Thick	SLE-FREQ.	37.6393	36.0494	30.29	61.53
600	Shell-Thick	SLE-FREQ.	44.0557	40.6774	38.91	61.53
600	Shell-Thick	SLE-FREQ.	38.8510	33.7616	38.91	46.64
600	Shell-Thick	SLE-FREQ.	32.4608	28.9795	30.29	46.64
600	Shell-Thick	SLE-QP	27.9597	25.7632	24.09	48.58
600	Shell-Thick	SLE-QP	32.8419	29.3880	31.18	48.58
600	Shell-Thick	SLE-QP	28.6838	24.1128	31.18	36.33
600	Shell-Thick	SLE-QP	23.8246	20.3510	24.09	36.33
601	Shell-Thick	SLU-STATICA	1.9764	0.3443	14.42	15.21
601	Shell-Thick	SLU-STATICA	1.7488	2.0652	7.28	15.21
601	Shell-Thick	SLU-STATICA	0.1019	3.7931	7.28	27.55
601	Shell-Thick	SLU-STATICA	0.3672	1.7944	14.42	27.55
601	Shell-Thick	SLU-SISMICA	2.4052	0.4499	16.46	17.02
601	Shell-Thick	SLU-SISMICA	2.0640	2.4027	8.28	17.02
601	Shell-Thick	SLU-SISMICA	0.1883	4.4638	8.28	31.16
601	Shell-Thick	SLU-SISMICA	0.5677	2.2260	16.46	31.16
601	Shell-Thick	SLE-RARA	1.4762	0.2556	10.82	11.44
601	Shell-Thick	SLE-RARA	1.3094	1.5481	5.47	11.44
601	Shell-Thick	SLE-RARA	0.0729	2.8407	5.47	20.69
601	Shell-Thick	SLE-RARA	0.2682	1.3382	10.82	20.69
601	Shell-Thick	SLE-FREQ.	1.4046	0.2407	10.39	11.01
601	Shell-Thick	SLE-FREQ.	1.2512	1.4822	5.25	11.01
601	Shell-Thick	SLE-FREQ.	0.0640	2.7156	5.25	19.89
601	Shell-Thick	SLE-FREQ.	0.2451	1.2697	10.39	19.89
601	Shell-Thick	SLE-QP	1.1897	0.1957	9.08	9.72
601	Shell-Thick	SLE-QP	1.0766	1.2845	4.60	9.72
601	Shell-Thick	SLE-QP	0.0374	2.3401	4.60	17.47
601	Shell-Thick	SLE-QP	0.1759	1.0643	9.08	17.47
602	Shell-Thick	SLU-STATICA	1.6678	1.8556	10.40	27.43
602	Shell-Thick	SLU-STATICA	1.8341	4.3385	5.10	27.43
602	Shell-Thick	SLU-STATICA	0.6281	7.0686	5.10	36.59
602	Shell-Thick	SLU-STATICA	0.5479	3.9823	10.40	36.59

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602	Shell-Thick	SLU-SISMICA	2.2067	2.3132	12.30	31.01
602	Shell-Thick	SLU-SISMICA	2.2266	5.1120	6.02	31.01
602	Shell-Thick	SLU-SISMICA	0.7992	8.5074	6.02	41.88
602	Shell-Thick	SLU-SISMICA	0.8854	4.9651	12.30	41.88
602	Shell-Thick	SLE-RARA	1.2369	1.3832	7.79	20.60
602	Shell-Thick	SLE-RARA	1.3702	3.2489	3.82	20.60
602	Shell-Thick	SLE-RARA	0.4674	5.2845	3.82	27.46
602	Shell-Thick	SLE-RARA	0.3983	2.9686	7.79	27.46
602	Shell-Thick	SLE-FREQ.	1.1622	1.3115	7.44	19.80
602	Shell-Thick	SLE-FREQ.	1.3042	3.1052	3.65	19.80
602	Shell-Thick	SLE-FREQ.	0.4419	5.0359	3.65	26.35
602	Shell-Thick	SLE-FREQ.	0.3608	2.8146	7.44	26.35
602	Shell-Thick	SLE-QP	0.9378	1.0964	6.39	17.39
602	Shell-Thick	SLE-QP	1.1061	2.6742	3.14	17.39
602	Shell-Thick	SLE-QP	0.3651	4.2903	3.14	23.02
602	Shell-Thick	SLE-QP	0.2481	2.3528	6.39	23.02
603	Shell-Thick	SLU-STATICA	1.6333	4.1960	7.84	36.61
603	Shell-Thick	SLU-STATICA	2.3772	7.4218	3.69	36.61
603	Shell-Thick	SLU-STATICA	1.4738	10.5690	3.69	43.79
603	Shell-Thick	SLU-STATICA	0.8075	6.8011	7.84	43.79
603	Shell-Thick	SLU-SISMICA	2.2057	5.2331	9.61	41.91
603	Shell-Thick	SLU-SISMICA	2.9738	8.9384	4.51	41.91
603	Shell-Thick	SLU-SISMICA	1.8677	12.9455	4.51	50.73
603	Shell-Thick	SLU-SISMICA	1.1922	8.5926	9.61	50.73
603	Shell-Thick	SLE-RARA	1.2091	3.1278	5.85	27.48
603	Shell-Thick	SLE-RARA	1.7715	5.5482	2.75	27.48
603	Shell-Thick	SLE-RARA	1.0971	7.8901	2.75	32.83
603	Shell-Thick	SLE-RARA	0.5927	5.0642	5.85	32.83
603	Shell-Thick	SLE-FREQ.	1.1323	2.9655	5.56	26.36
603	Shell-Thick	SLE-FREQ.	1.6788	5.2868	2.62	26.36
603	Shell-Thick	SLE-FREQ.	1.0377	7.5003	2.62	31.45
603	Shell-Thick	SLE-FREQ.	0.5465	4.7921	5.56	31.45
603	Shell-Thick	SLE-QP	0.9017	2.4784	4.69	23.03
603	Shell-Thick	SLE-QP	1.4007	4.5025	2.21	23.03
603	Shell-Thick	SLE-QP	0.8594	6.3308	2.21	27.31
603	Shell-Thick	SLE-QP	0.4078	3.9759	4.69	27.31
604	Shell-Thick	SLU-STATICA	2.0970	7.1264	5.99	43.85
604	Shell-Thick	SLU-STATICA	2.7704	10.7610	2.71	43.85
604	Shell-Thick	SLU-STATICA	2.0558	14.3863	2.71	49.53
604	Shell-Thick	SLU-STATICA	1.5060	9.8973	5.99	49.53
604	Shell-Thick	SLU-SISMICA	2.8672	9.0097	7.63	50.81
604	Shell-Thick	SLU-SISMICA	3.4784	13.1855	3.45	50.81
604	Shell-Thick	SLU-SISMICA	2.5661	18.0052	3.45	58.04
604	Shell-Thick	SLU-SISMICA	2.1166	12.7117	7.63	58.04
604	Shell-Thick	SLE-RARA	1.5506	5.3061	4.46	32.88
604	Shell-Thick	SLE-RARA	2.0640	8.0332	2.02	32.88
604	Shell-Thick	SLE-RARA	1.5323	10.7207	2.02	37.11
604	Shell-Thick	SLE-RARA	1.1107	7.3593	4.46	37.11
604	Shell-Thick	SLE-FREQ.	1.4491	5.0205	4.21	31.50
604	Shell-Thick	SLE-FREQ.	1.9549	7.6359	1.91	31.50
604	Shell-Thick	SLE-FREQ.	1.4526	10.1590	1.91	35.49
604	Shell-Thick	SLE-FREQ.	1.0331	6.9466	4.21	35.49
604	Shell-Thick	SLE-QP	1.1445	4.1637	3.48	27.35
604	Shell-Thick	SLE-QP	1.6277	6.4439	1.57	27.35
604	Shell-Thick	SLE-QP	1.2134	8.4738	1.57	30.65
604	Shell-Thick	SLE-QP	0.8004	5.7083	3.48	30.65
605	Shell-Thick	SLU-STATICA	2.3585	10.3018	4.66	49.71
605	Shell-Thick	SLU-STATICA	3.6244	14.4660	2.00	49.71
605	Shell-Thick	SLU-STATICA	3.0722	17.9895	2.00	54.32
605	Shell-Thick	SLU-STATICA	1.9107	13.1041	4.66	54.32
605	Shell-Thick	SLU-SISMICA	3.2058	13.2449	6.20	58.29
605	Shell-Thick	SLU-SISMICA	4.6779	18.1122	2.66	58.29
605	Shell-Thick	SLU-SISMICA	3.9451	22.9303	2.66	64.40
605	Shell-Thick	SLU-SISMICA	2.6088	17.1244	6.20	64.40
605	Shell-Thick	SLE-RARA	1.7449	7.6594	3.46	37.24
605	Shell-Thick	SLE-RARA	2.6938	10.7798	1.48	37.24
605	Shell-Thick	SLE-RARA	2.2844	13.3851	1.48	40.65
605	Shell-Thick	SLE-RARA	1.4130	9.7292	3.46	40.65
605	Shell-Thick	SLE-FREQ.	1.6322	7.2286	3.25	35.62

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605	Shell-Thick	SLE-FREQ.	2.5408	10.2143	1.39	35.62
605	Shell-Thick	SLE-FREQ.	2.1564	12.6490	1.39	38.82
605	Shell-Thick	SLE-FREQ.	1.3208	9.1589	3.25	38.82
605	Shell-Thick	SLE-QP	1.2942	5.9365	2.61	30.75
605	Shell-Thick	SLE-QP	2.0818	8.5181	1.12	30.75
605	Shell-Thick	SLE-QP	1.7722	10.4409	1.12	33.33
605	Shell-Thick	SLE-QP	1.0442	7.4481	2.61	33.33
606	Shell-Thick	SLU-STATICA	3.1413	13.5685	3.61	54.49
606	Shell-Thick	SLU-STATICA	3.9831	17.9534	1.47	54.49
606	Shell-Thick	SLU-STATICA	3.5268	21.7196	1.47	58.20
606	Shell-Thick	SLU-STATICA	2.8354	16.3008	3.61	58.20
606	Shell-Thick	SLU-SISMICA	4.3248	17.7541	5.03	64.64
606	Shell-Thick	SLU-SISMICA	5.1654	22.8878	2.06	64.64
606	Shell-Thick	SLU-SISMICA	4.5296	28.2319	2.06	69.78
606	Shell-Thick	SLU-SISMICA	3.8963	21.6727	5.03	69.78
606	Shell-Thick	SLE-RARA	2.3213	10.0728	2.67	40.79
606	Shell-Thick	SLE-RARA	2.9592	13.3580	1.08	40.79
606	Shell-Thick	SLE-RARA	2.6224	16.1333	1.08	43.53
606	Shell-Thick	SLE-RARA	2.0956	12.0840	2.67	43.53
606	Shell-Thick	SLE-FREQ.	2.1668	9.4805	2.48	38.95
606	Shell-Thick	SLE-FREQ.	2.7891	12.6232	1.01	38.95
606	Shell-Thick	SLE-FREQ.	2.4753	15.2003	1.01	41.50
606	Shell-Thick	SLE-FREQ.	1.9568	11.3446	2.48	41.50
606	Shell-Thick	SLE-QP	1.7034	7.7035	1.94	33.43
606	Shell-Thick	SLE-QP	2.2787	10.4186	0.78	33.43
606	Shell-Thick	SLE-QP	2.0341	12.4014	0.78	35.43
606	Shell-Thick	SLE-QP	1.5402	9.1264	1.94	35.43
607	Shell-Thick	SLU-STATICA	3.3867	16.8054	2.86	58.50
607	Shell-Thick	SLU-STATICA	4.9983	21.6195	1.07	58.50
607	Shell-Thick	SLU-STATICA	4.6438	25.0066	1.07	61.60
607	Shell-Thick	SLU-STATICA	3.1513	19.3730	2.86	61.60
607	Shell-Thick	SLU-SISMICA	4.6635	22.3746	4.21	70.19
607	Shell-Thick	SLU-SISMICA	6.6561	28.1089	1.60	70.19
607	Shell-Thick	SLU-SISMICA	6.1375	33.0545	1.60	74.69
607	Shell-Thick	SLU-SISMICA	4.3098	26.1852	4.21	74.69
607	Shell-Thick	SLE-RARA	2.5026	12.4566	2.10	43.75
607	Shell-Thick	SLE-RARA	3.7048	16.0586	0.78	43.75
607	Shell-Thick	SLE-RARA	3.4443	18.5474	0.78	46.02
607	Shell-Thick	SLE-RARA	2.3301	14.3402	2.10	46.02
607	Shell-Thick	SLE-FREQ.	2.3360	11.6918	1.94	41.71
607	Shell-Thick	SLE-FREQ.	3.4772	15.1293	0.72	41.71
607	Shell-Thick	SLE-FREQ.	3.2367	17.4288	0.72	43.81
607	Shell-Thick	SLE-FREQ.	2.1775	13.4268	1.94	43.81
607	Shell-Thick	SLE-QP	1.8361	9.3974	1.45	35.59
607	Shell-Thick	SLE-QP	2.7945	12.3416	0.53	35.59
607	Shell-Thick	SLE-QP	2.6136	14.0727	0.53	37.18
607	Shell-Thick	SLE-QP	1.7195	10.6866	1.45	37.18
608	Shell-Thick	SLU-STATICA	4.3534	19.9118	2.22	61.83
608	Shell-Thick	SLU-STATICA	5.1715	24.8139	0.76	61.83
608	Shell-Thick	SLU-STATICA	4.8623	28.4655	0.76	64.36
608	Shell-Thick	SLU-STATICA	4.2154	22.3894	2.22	64.36
608	Shell-Thick	SLU-SISMICA	6.0956	26.9521	3.47	75.02
608	Shell-Thick	SLU-SISMICA	6.9255	32.8023	1.24	75.02
608	Shell-Thick	SLU-SISMICA	6.4489	38.2924	1.24	78.88
608	Shell-Thick	SLU-SISMICA	5.8649	30.7550	3.47	78.88
608	Shell-Thick	SLE-RARA	3.2120	14.7371	1.62	46.20
608	Shell-Thick	SLE-RARA	3.8313	18.4043	0.55	46.20
608	Shell-Thick	SLE-RARA	3.6053	21.0797	0.55	48.05
608	Shell-Thick	SLE-RARA	3.1119	16.5485	1.62	48.05
608	Shell-Thick	SLE-FREQ.	2.9896	13.7951	1.48	43.97
608	Shell-Thick	SLE-FREQ.	3.5927	17.2941	0.50	43.97
608	Shell-Thick	SLE-FREQ.	3.3860	19.7524	0.50	45.67
608	Shell-Thick	SLE-FREQ.	2.8997	15.4530	1.48	45.67
608	Shell-Thick	SLE-QP	2.3225	10.9693	1.05	37.31
608	Shell-Thick	SLE-QP	2.8768	13.9633	0.34	37.31
608	Shell-Thick	SLE-QP	2.7282	15.7704	0.34	38.54
608	Shell-Thick	SLE-QP	2.2628	12.1664	1.05	38.54
609	Shell-Thick	SLU-STATICA	4.4401	22.9515	1.83	64.75
609	Shell-Thick	SLU-STATICA	6.3524	28.2464	0.55	64.75

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609	Shell-Thick	SLU-STATICA	6.1106	31.3147	0.55	66.97
609	Shell-Thick	SLU-STATICA	4.3249	25.1514	1.83	66.97
609	Shell-Thick	SLU-SISMICA	6.2450	31.5717	3.05	79.43
609	Shell-Thick	SLU-SISMICA	8.7166	38.0053	0.99	79.43
609	Shell-Thick	SLU-SISMICA	8.3214	42.7664	0.99	82.99
609	Shell-Thick	SLU-SISMICA	6.0335	35.0714	3.05	82.99
609	Shell-Thick	SLE-RARA	3.2745	16.9617	1.33	48.33
609	Shell-Thick	SLE-RARA	4.6956	20.9171	0.39	48.33
609	Shell-Thick	SLE-RARA	4.5201	23.1577	0.39	49.95
609	Shell-Thick	SLE-RARA	3.1920	18.5639	1.33	49.95
609	Shell-Thick	SLE-FREQ.	3.0455	15.8351	1.20	45.93
609	Shell-Thick	SLE-FREQ.	4.3856	19.5993	0.35	45.93
609	Shell-Thick	SLE-FREQ.	4.2270	21.6456	0.35	47.40
609	Shell-Thick	SLE-FREQ.	2.9729	17.2910	1.20	47.40
609	Shell-Thick	SLE-QP	2.3583	12.4552	0.80	38.74
609	Shell-Thick	SLE-QP	3.4554	15.6462	0.21	38.74
609	Shell-Thick	SLE-QP	3.3476	17.1094	0.21	39.76
609	Shell-Thick	SLE-QP	2.3156	13.4721	0.80	39.76
610	Shell-Thick	SLU-STATICA	5.6069	25.7385	1.45	67.23
610	Shell-Thick	SLU-STATICA	6.2396	31.0098	0.37	67.23
610	Shell-Thick	SLU-STATICA	6.0063	34.5913	0.37	69.10
610	Shell-Thick	SLU-STATICA	5.5658	28.0034	1.45	69.10
610	Shell-Thick	SLU-SISMICA	8.0190	35.9399	2.60	83.36
610	Shell-Thick	SLU-SISMICA	8.6119	42.3532	0.78	83.36
610	Shell-Thick	SLU-SISMICA	8.2160	47.9934	0.78	86.50
610	Shell-Thick	SLU-SISMICA	7.9077	39.6307	2.60	86.50
610	Shell-Thick	SLE-RARA	4.1284	18.9948	1.04	50.14
610	Shell-Thick	SLE-RARA	4.6098	22.9321	0.26	50.14
610	Shell-Thick	SLE-RARA	4.4411	25.5433	0.26	51.49
610	Shell-Thick	SLE-RARA	4.1008	20.6399	1.04	51.49
610	Shell-Thick	SLE-FREQ.	3.8284	17.6881	0.92	47.58
610	Shell-Thick	SLE-FREQ.	4.3012	21.4345	0.22	47.58
610	Shell-Thick	SLE-FREQ.	4.1500	23.8121	0.22	48.79
610	Shell-Thick	SLE-FREQ.	3.8072	19.1755	0.92	48.79
610	Shell-Thick	SLE-QP	2.9283	13.7680	0.57	39.89
610	Shell-Thick	SLE-QP	3.3753	16.9416	0.10	39.89
610	Shell-Thick	SLE-QP	3.2767	18.6185	0.10	40.69
610	Shell-Thick	SLE-QP	2.9265	14.7822	0.57	40.69
611	Shell-Thick	SLU-STATICA	5.4463	28.6140	1.38	69.56
611	Shell-Thick	SLU-STATICA	7.7047	34.2965	0.31	69.56
611	Shell-Thick	SLU-STATICA	7.5128	37.0322	0.31	71.40
611	Shell-Thick	SLU-STATICA	5.3854	30.4521	1.38	71.40
611	Shell-Thick	SLU-SISMICA	7.8439	40.5471	2.55	87.18
611	Shell-Thick	SLU-SISMICA	10.8676	47.5945	0.71	87.18
611	Shell-Thick	SLU-SISMICA	10.5247	52.0815	0.71	90.36
611	Shell-Thick	SLU-SISMICA	7.6978	43.6845	2.55	90.36
611	Shell-Thick	SLE-RARA	4.0074	21.0873	0.98	51.83
611	Shell-Thick	SLE-RARA	5.6805	25.3252	0.21	51.83
611	Shell-Thick	SLE-RARA	5.5427	27.3108	0.21	53.16
611	Shell-Thick	SLE-RARA	3.9655	22.4154	0.98	53.16
611	Shell-Thick	SLE-FREQ.	3.7116	19.5867	0.86	49.10
611	Shell-Thick	SLE-FREQ.	5.2805	23.6079	0.18	49.10
611	Shell-Thick	SLE-FREQ.	5.1585	25.4007	0.18	50.29
611	Shell-Thick	SLE-FREQ.	3.6777	20.7753	0.86	50.29
611	Shell-Thick	SLE-QP	2.8241	15.0849	0.50	40.93
611	Shell-Thick	SLE-QP	4.0806	18.4561	6.102E-02	40.93
611	Shell-Thick	SLE-QP	4.0060	19.6703	6.102E-02	41.69
611	Shell-Thick	SLE-QP	2.8142	15.8549	0.50	41.69
612	Shell-Thick	SLU-STATICA	6.9524	31.0904	1.21	71.66
612	Shell-Thick	SLU-STATICA	7.1860	36.6419	0.25	71.66
612	Shell-Thick	SLU-STATICA	6.9660	40.4847	0.25	73.33
612	Shell-Thick	SLU-STATICA	6.9531	33.4230	1.21	73.33
612	Shell-Thick	SLU-SISMICA	10.1585	44.6539	2.34	90.74
612	Shell-Thick	SLU-SISMICA	10.1979	51.5389	0.63	90.74
612	Shell-Thick	SLU-SISMICA	9.8095	57.7515	0.63	93.70
612	Shell-Thick	SLU-SISMICA	10.1023	48.5919	2.34	93.70
612	Shell-Thick	SLE-RARA	5.1083	22.8826	0.86	53.35
612	Shell-Thick	SLE-RARA	5.2950	27.0227	0.17	53.35
612	Shell-Thick	SLE-RARA	5.1367	29.8164	0.17	54.55

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612	Shell-Thick	SLE-RARA	5.1117	24.5700	0.86	54.55
612	Shell-Thick	SLE-FREQ.	4.7189	21.2037	0.75	50.47
612	Shell-Thick	SLE-FREQ.	4.9169	25.1322	0.13	50.47
612	Shell-Thick	SLE-FREQ.	4.7764	27.6623	0.13	51.53
612	Shell-Thick	SLE-FREQ.	4.7268	22.7176	0.75	51.53
612	Shell-Thick	SLE-QP	3.5506	16.1672	0.41	41.82
612	Shell-Thick	SLE-QP	3.7827	19.4606	2.878E-02	41.82
612	Shell-Thick	SLE-QP	3.6954	21.1998	2.878E-02	42.47
612	Shell-Thick	SLE-QP	3.5723	17.1604	0.41	42.47
613	Shell-Thick	SLU-STATICA	6.4679	34.1058	1.55	73.89
613	Shell-Thick	SLU-STATICA	9.2231	40.1562	0.37	73.89
613	Shell-Thick	SLU-STATICA	9.0116	42.6332	0.37	75.94
613	Shell-Thick	SLU-STATICA	6.3925	35.6497	1.55	75.94
613	Shell-Thick	SLU-SISMICA	9.5366	49.6371	2.82	94.54
613	Shell-Thick	SLU-SISMICA	13.3315	57.2976	0.79	94.54
613	Shell-Thick	SLU-SISMICA	12.9567	61.5576	0.79	98.05
613	Shell-Thick	SLU-SISMICA	9.3705	52.4651	2.82	98.05
613	Shell-Thick	SLE-RARA	4.7481	25.0694	1.11	54.96
613	Shell-Thick	SLE-RARA	6.7840	29.5738	0.26	54.96
613	Shell-Thick	SLE-RARA	6.6319	31.3619	0.26	56.44
613	Shell-Thick	SLE-RARA	4.6955	26.1753	1.11	56.44
613	Shell-Thick	SLE-FREQ.	4.3789	23.1749	0.98	51.91
613	Shell-Thick	SLE-FREQ.	6.2791	27.4359	0.21	51.91
613	Shell-Thick	SLE-FREQ.	6.1442	29.0334	0.21	53.23
613	Shell-Thick	SLE-FREQ.	4.3350	24.1480	0.98	53.23
613	Shell-Thick	SLE-QP	3.2711	17.4915	0.58	42.76
613	Shell-Thick	SLE-QP	4.7644	21.0223	9.224E-02	42.76
613	Shell-Thick	SLE-QP	4.6810	22.0479	9.224E-02	43.60
613	Shell-Thick	SLE-QP	3.2535	18.0661	0.58	43.60
614	Shell-Thick	SLU-STATICA	8.6602	36.3720	1.66	76.16
614	Shell-Thick	SLU-STATICA	8.0788	42.1778	0.45	76.16
614	Shell-Thick	SLU-STATICA	7.7875	47.1769	0.45	78.26
614	Shell-Thick	SLU-STATICA	8.6350	39.5494	1.66	78.26
614	Shell-Thick	SLU-SISMICA	12.8979	53.5766	2.92	98.39
614	Shell-Thick	SLU-SISMICA	11.7590	60.9120	0.87	98.39
614	Shell-Thick	SLU-SISMICA	11.2730	68.9687	0.87	101.94
614	Shell-Thick	SLU-SISMICA	12.8145	58.8773	2.92	101.94
614	Shell-Thick	SLE-RARA	6.3510	26.7032	1.20	56.60
614	Shell-Thick	SLE-RARA	5.9382	31.0263	0.32	56.60
614	Shell-Thick	SLE-RARA	5.7272	34.6620	0.32	58.12
614	Shell-Thick	SLE-RARA	6.3349	29.0051	1.20	58.12
614	Shell-Thick	SLE-FREQ.	5.8462	24.6309	1.06	53.38
614	Shell-Thick	SLE-FREQ.	5.4894	28.7217	0.28	53.38
614	Shell-Thick	SLE-FREQ.	5.2995	32.0165	0.28	54.74
614	Shell-Thick	SLE-FREQ.	5.8352	26.7015	1.06	54.74
614	Shell-Thick	SLE-QP	4.3317	18.4141	0.66	43.72
614	Shell-Thick	SLE-QP	4.1428	21.8079	0.15	43.72
614	Shell-Thick	SLE-QP	4.0166	24.0800	0.15	44.60
614	Shell-Thick	SLE-QP	4.3362	19.7909	0.66	44.60
615	Shell-Thick	SLU-STATICA	7.8303	40.3889	2.85	78.98
615	Shell-Thick	SLU-STATICA	11.4054	46.9000	0.96	78.98
615	Shell-Thick	SLU-STATICA	11.0463	49.1899	0.96	82.25
615	Shell-Thick	SLU-STATICA	7.6173	41.6755	2.85	82.25
615	Shell-Thick	SLU-SISMICA	11.7911	60.1679	4.56	103.01
615	Shell-Thick	SLU-SISMICA	16.8210	68.5831	1.55	103.01
615	Shell-Thick	SLU-SISMICA	16.2507	72.6834	1.55	108.21
615	Shell-Thick	SLU-SISMICA	11.4455	62.7242	4.56	108.21
615	Shell-Thick	SLE-RARA	5.7359	29.6187	2.08	58.65
615	Shell-Thick	SLE-RARA	8.3724	34.4576	0.70	58.65
615	Shell-Thick	SLE-RARA	8.1109	36.1025	0.70	61.03
615	Shell-Thick	SLE-RARA	5.5812	30.5304	2.08	61.03
615	Shell-Thick	SLE-FREQ.	5.2690	27.2630	1.89	55.22
615	Shell-Thick	SLE-FREQ.	7.7209	31.8260	0.63	55.22
615	Shell-Thick	SLE-FREQ.	7.4833	33.2816	0.63	57.39
615	Shell-Thick	SLE-FREQ.	5.1289	28.0478	1.89	57.39
615	Shell-Thick	SLE-QP	3.8682	20.1958	1.31	44.96
615	Shell-Thick	SLE-QP	5.7665	23.9315	0.43	44.96
615	Shell-Thick	SLE-QP	5.6002	24.8190	0.43	46.48
615	Shell-Thick	SLE-QP	3.7723	20.6001	1.31	46.48



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616	Shell-Thick	SLU-STATICA	11.6824	42.5716	3.69	82.37
616	Shell-Thick	SLU-STATICA	9.1200	48.7216	1.39	82.37
616	Shell-Thick	SLU-STATICA	8.5655	57.7707	1.39	86.35
616	Shell-Thick	SLU-STATICA	11.4749	49.2437	3.69	86.35
616	Shell-Thick	SLU-SISMICA	17.6395	64.1029	5.54	108.39
616	Shell-Thick	SLU-SISMICA	13.5727	72.0080	2.04	108.39
616	Shell-Thick	SLU-SISMICA	12.7435	86.1639	2.04	114.43
616	Shell-Thick	SLU-SISMICA	17.3318	74.6854	5.54	114.43
616	Shell-Thick	SLE-RARA	8.5554	31.1853	2.71	61.12
616	Shell-Thick	SLE-RARA	6.6887	35.7580	1.02	61.12
616	Shell-Thick	SLE-RARA	6.2822	42.3603	1.02	64.03
616	Shell-Thick	SLE-RARA	8.4031	36.0462	2.71	64.03
616	Shell-Thick	SLE-FREQ.	7.8549	28.6469	2.49	57.47
616	Shell-Thick	SLE-FREQ.	6.1578	32.9626	0.94	57.47
616	Shell-Thick	SLE-FREQ.	5.7840	38.9825	0.94	60.15
616	Shell-Thick	SLE-FREQ.	7.7146	33.0666	2.49	60.15
616	Shell-Thick	SLE-QP	5.7534	21.0318	1.83	46.53
616	Shell-Thick	SLE-QP	4.5653	24.5766	0.70	46.53
616	Shell-Thick	SLE-QP	4.2893	28.8490	0.70	48.49
616	Shell-Thick	SLE-QP	5.6491	24.1278	1.83	48.49
617	Shell-Thick	SLU-STATICA	11.3371	50.5912	7.66	87.33
617	Shell-Thick	SLU-STATICA	16.2156	57.9257	3.53	87.33
617	Shell-Thick	SLU-STATICA	15.2935	59.2738	3.53	94.48
617	Shell-Thick	SLU-STATICA	10.5812	50.7922	7.66	94.48
617	Shell-Thick	SLU-SISMICA	17.2765	76.7328	10.91	115.90
617	Shell-Thick	SLU-SISMICA	24.2154	86.3999	4.90	115.90
617	Shell-Thick	SLU-SISMICA	22.9034	89.2334	4.90	126.29
617	Shell-Thick	SLU-SISMICA	16.2158	77.8321	10.91	126.29
617	Shell-Thick	SLE-RARA	8.2947	37.0323	5.64	64.75
617	Shell-Thick	SLE-RARA	11.8886	42.4737	2.60	64.75
617	Shell-Thick	SLE-RARA	11.2093	43.4213	2.60	70.00
617	Shell-Thick	SLE-RARA	7.7370	37.1400	5.64	70.00
617	Shell-Thick	SLE-FREQ.	7.6020	33.9709	5.23	60.81
617	Shell-Thick	SLE-FREQ.	10.9380	39.0864	2.43	60.81
617	Shell-Thick	SLE-FREQ.	10.3076	39.8886	2.43	65.66
617	Shell-Thick	SLE-FREQ.	7.0832	34.0021	5.23	65.66
617	Shell-Thick	SLE-QP	5.5242	24.7867	4.02	48.98
617	Shell-Thick	SLE-QP	8.0864	28.9246	1.89	48.98
617	Shell-Thick	SLE-QP	7.6023	29.2905	1.89	52.64
617	Shell-Thick	SLE-QP	5.1217	24.5884	4.02	52.64
618	Shell-Thick	SLU-STATICA	21.5203	52.1983	13.53	94.03
618	Shell-Thick	SLU-STATICA	11.2216	59.2412	5.18	94.03
618	Shell-Thick	SLU-STATICA	9.5615	88.9855	5.18	108.48
618	Shell-Thick	SLU-STATICA	20.3734	78.4115	13.53	108.48
618	Shell-Thick	SLU-SISMICA	32.5441	79.9767	18.37	125.66
618	Shell-Thick	SLU-SISMICA	16.9563	89.1651	6.74	125.66
618	Shell-Thick	SLU-SISMICA	14.6920	133.9878	6.74	145.75
618	Shell-Thick	SLU-SISMICA	31.0407	119.5662	18.37	145.75
618	Shell-Thick	SLE-RARA	15.7575	38.1686	10.01	69.68
618	Shell-Thick	SLE-RARA	8.2173	43.3983	3.84	69.68
618	Shell-Thick	SLE-RARA	6.9895	65.1855	3.84	80.34
618	Shell-Thick	SLE-RARA	14.9062	57.3649	10.01	80.34
618	Shell-Thick	SLE-FREQ.	14.4630	34.9447	9.37	65.36
618	Shell-Thick	SLE-FREQ.	7.5434	39.8691	3.62	65.36
618	Shell-Thick	SLE-FREQ.	6.3955	59.8799	3.62	75.30
618	Shell-Thick	SLE-FREQ.	13.6621	52.5683	9.37	75.30
618	Shell-Thick	SLE-QP	10.5796	25.2728	7.44	52.41
618	Shell-Thick	SLE-QP	5.5217	29.2815	2.95	52.41
618	Shell-Thick	SLE-QP	4.6136	43.9633	2.95	60.17
618	Shell-Thick	SLE-QP	9.9295	38.1788	7.44	60.17
619	Shell-Thick	SLU-STATICA	51.7568	86.0758	35.47	109.49
619	Shell-Thick	SLU-STATICA	46.0831	94.9022	36.66	109.49
619	Shell-Thick	SLU-STATICA	40.5821	66.1711	36.66	107.44
619	Shell-Thick	SLU-STATICA	46.4347	56.1268	35.47	107.44
619	Shell-Thick	SLU-SISMICA	77.0591	130.8337	47.97	147.25
619	Shell-Thick	SLU-SISMICA	68.3873	142.6631	49.42	147.25
619	Shell-Thick	SLU-SISMICA	60.9528	100.8267	49.42	144.74
619	Shell-Thick	SLU-SISMICA	69.8802	87.2556	47.97	144.74
619	Shell-Thick	SLE-RARA	37.9574	62.9929	26.26	81.08



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619	Shell-Thick	SLE-RARA	33.8076	69.5313	27.14	81.08
619	Shell-Thick	SLE-RARA	29.7356	48.4136	27.14	79.55
619	Shell-Thick	SLE-RARA	34.0171	40.9784	26.26	79.55
619	Shell-Thick	SLE-FREQ.	34.9422	57.7615	24.58	75.98
619	Shell-Thick	SLE-FREQ.	31.1410	63.8919	25.42	75.98
619	Shell-Thick	SLE-FREQ.	27.3284	44.3719	25.42	74.52
619	Shell-Thick	SLE-FREQ.	31.2516	37.4099	24.58	74.52
619	Shell-Thick	SLE-QP	25.8965	42.0673	19.56	60.67
619	Shell-Thick	SLE-QP	23.1414	46.9737	20.27	60.67
619	Shell-Thick	SLE-QP	20.1067	32.2467	20.27	59.44
619	Shell-Thick	SLE-QP	22.9551	26.7042	19.56	59.44
620	Shell-Thick	SLU-STATICA	68.1174	65.3372	53.59	110.74
620	Shell-Thick	SLU-STATICA	97.7315	72.7272	75.05	110.74
620	Shell-Thick	SLU-STATICA	87.9839	74.4198	75.05	73.66
620	Shell-Thick	SLU-STATICA	58.5637	65.7683	53.59	73.66
620	Shell-Thick	SLU-SISMICA	100.5973	100.3782	71.56	149.47
620	Shell-Thick	SLU-SISMICA	143.8559	110.4281	99.06	149.47
620	Shell-Thick	SLU-SISMICA	130.9208	113.7367	99.06	101.94
620	Shell-Thick	SLU-SISMICA	87.9332	101.9159	71.56	101.94
620	Shell-Thick	SLE-RARA	49.9968	47.7625	39.71	81.99
620	Shell-Thick	SLE-RARA	71.7566	53.2297	55.67	81.99
620	Shell-Thick	SLE-RARA	64.5294	54.4318	55.67	54.41
620	Shell-Thick	SLE-RARA	42.9126	48.0341	39.71	54.41
620	Shell-Thick	SLE-FREQ.	46.0949	43.7052	37.26	76.78
620	Shell-Thick	SLE-FREQ.	66.1969	48.8189	52.32	76.78
620	Shell-Thick	SLE-FREQ.	59.4098	49.8586	52.32	50.74
620	Shell-Thick	SLE-FREQ.	39.4409	43.8791	37.26	50.74
620	Shell-Thick	SLE-QP	34.3890	31.5331	29.89	61.17
620	Shell-Thick	SLE-QP	49.5175	35.5867	42.29	61.17
620	Shell-Thick	SLE-QP	44.0508	36.1391	42.29	39.74
620	Shell-Thick	SLE-QP	29.0259	31.4142	29.89	39.74
621	Shell-Thick	SLU-STATICA	18.9850	4.0444	16.79	-4.31
621	Shell-Thick	SLU-STATICA	21.0364	3.5173	20.21	-4.31
621	Shell-Thick	SLU-STATICA	18.2755	0.3809	20.21	-10.22
621	Shell-Thick	SLU-STATICA	16.1947	1.1182	16.79	-10.22
621	Shell-Thick	SLU-SISMICA	33.1285	6.8954	29.15	-7.17
621	Shell-Thick	SLU-SISMICA	36.5410	6.0396	34.90	-7.17
621	Shell-Thick	SLU-SISMICA	31.7635	0.3356	34.90	-17.11
621	Shell-Thick	SLU-SISMICA	28.2947	1.5924	29.15	-17.11
621	Shell-Thick	SLE-RARA	13.6809	2.9225	12.10	-3.12
621	Shell-Thick	SLE-RARA	15.1676	2.5396	14.58	-3.12
621	Shell-Thick	SLE-RARA	13.1760	0.2909	14.58	-7.40
621	Shell-Thick	SLE-RARA	11.6685	0.8236	12.10	-7.40
621	Shell-Thick	SLE-FREQ.	12.1813	2.6162	10.79	-2.81
621	Shell-Thick	SLE-FREQ.	13.5195	2.2697	13.01	-2.81
621	Shell-Thick	SLE-FREQ.	11.7427	0.2874	13.01	-6.66
621	Shell-Thick	SLE-FREQ.	10.3864	0.7644	10.79	-6.66
621	Shell-Thick	SLE-QP	7.6823	1.6971	6.85	-1.87
621	Shell-Thick	SLE-QP	8.5750	1.4600	8.31	-1.87
621	Shell-Thick	SLE-QP	7.4427	0.2771	8.31	-4.41
621	Shell-Thick	SLE-QP	6.5401	0.5865	6.85	-4.41
622	Shell-Thick	SLU-STATICA	21.4835	4.1148	19.83	-4.25
622	Shell-Thick	SLU-STATICA	22.8378	3.4594	22.32	-4.25
622	Shell-Thick	SLU-STATICA	19.6608	1.8638	22.32	-8.56
622	Shell-Thick	SLU-STATICA	18.3363	2.3228	19.83	-8.56
622	Shell-Thick	SLU-SISMICA	37.2961	6.9941	34.25	-6.82
622	Shell-Thick	SLU-SISMICA	39.4786	5.9377	38.37	-6.82
622	Shell-Thick	SLU-SISMICA	34.0077	2.9480	38.37	-13.94
622	Shell-Thick	SLU-SISMICA	31.8718	3.6979	34.25	-13.94
622	Shell-Thick	SLE-RARA	15.4910	2.9745	14.31	-3.10
622	Shell-Thick	SLE-RARA	16.4760	2.4979	16.11	-3.10
622	Shell-Thick	SLE-RARA	14.1829	1.3582	16.11	-6.22
622	Shell-Thick	SLE-RARA	13.2197	1.6916	14.31	-6.22
622	Shell-Thick	SLE-FREQ.	13.8096	2.6645	12.77	-2.81
622	Shell-Thick	SLE-FREQ.	14.7022	2.2326	14.40	-2.81
622	Shell-Thick	SLE-FREQ.	12.6542	1.2356	14.40	-5.62
622	Shell-Thick	SLE-FREQ.	11.7814	1.5369	12.77	-5.62
622	Shell-Thick	SLE-QP	8.7652	1.7346	8.16	-1.95
622	Shell-Thick	SLE-QP	9.3808	1.4368	9.25	-1.95

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622	Shell-Thick	SLE-QP	8.0679	0.8679	9.25	-3.83
622	Shell-Thick	SLE-QP	7.4665	1.0727	8.16	-3.83
623	Shell-Thick	SLU-STATICA	23.1999	4.5961	22.16	-3.95
623	Shell-Thick	SLU-STATICA	24.6071	4.1700	24.34	-3.95
623	Shell-Thick	SLU-STATICA	21.1296	2.1422	24.34	-7.72
623	Shell-Thick	SLU-STATICA	19.6995	2.7309	22.16	-7.72
623	Shell-Thick	SLU-SISMICA	40.0761	7.7720	38.10	-6.13
623	Shell-Thick	SLU-SISMICA	42.3562	7.1561	41.56	-6.13
623	Shell-Thick	SLU-SISMICA	36.4052	3.4652	41.56	-12.12
623	Shell-Thick	SLU-SISMICA	34.0746	4.4362	38.10	-12.12
623	Shell-Thick	SLE-RARA	16.7386	3.3244	16.00	-2.88
623	Shell-Thick	SLE-RARA	17.7614	3.0110	17.59	-2.88
623	Shell-Thick	SLE-RARA	15.2496	1.5573	17.59	-5.63
623	Shell-Thick	SLE-RARA	14.2108	1.9843	16.00	-5.63
623	Shell-Thick	SLE-FREQ.	14.9390	2.9814	14.30	-2.63
623	Shell-Thick	SLE-FREQ.	15.8648	2.6913	15.74	-2.63
623	Shell-Thick	SLE-FREQ.	13.6182	1.4102	15.74	-5.13
623	Shell-Thick	SLE-FREQ.	12.6791	1.7953	14.30	-5.13
623	Shell-Thick	SLE-QP	9.5401	1.9526	9.18	-1.88
623	Shell-Thick	SLE-QP	10.1751	1.7324	10.19	-1.88
623	Shell-Thick	SLE-QP	8.7241	0.9688	10.19	-3.63
623	Shell-Thick	SLE-QP	8.0838	1.2281	9.18	-3.63
624	Shell-Thick	SLU-STATICA	24.9251	5.0101	24.17	-3.64
624	Shell-Thick	SLU-STATICA	25.9667	4.4133	26.20	-3.64
624	Shell-Thick	SLU-STATICA	22.1690	2.7318	26.20	-7.14
624	Shell-Thick	SLU-STATICA	21.1657	3.0725	24.17	-7.14
624	Shell-Thick	SLU-SISMICA	42.8649	8.4731	41.28	-5.43
624	Shell-Thick	SLU-SISMICA	44.4874	7.5804	44.40	-5.43
624	Shell-Thick	SLU-SISMICA	38.0317	4.4669	44.40	-10.83
624	Shell-Thick	SLU-SISMICA	36.4648	4.9890	41.28	-10.83
624	Shell-Thick	SLE-RARA	17.9928	3.6238	17.46	-2.67
624	Shell-Thick	SLE-RARA	18.7532	3.1863	18.94	-2.67
624	Shell-Thick	SLE-RARA	16.0080	1.9835	18.94	-5.23
624	Shell-Thick	SLE-RARA	15.2758	2.2326	17.46	-5.23
624	Shell-Thick	SLE-FREQ.	16.0749	3.2499	15.63	-2.45
624	Shell-Thick	SLE-FREQ.	16.7688	2.8475	16.98	-2.45
624	Shell-Thick	SLE-FREQ.	14.3096	1.7920	16.98	-4.79
624	Shell-Thick	SLE-FREQ.	13.6419	2.0201	15.63	-4.79
624	Shell-Thick	SLE-QP	10.3210	2.1281	10.12	-1.81
624	Shell-Thick	SLE-QP	10.8155	1.8310	11.09	-1.81
624	Shell-Thick	SLE-QP	9.2147	1.2176	11.09	-3.50
624	Shell-Thick	SLE-QP	8.7400	1.3824	10.12	-3.50
625	Shell-Thick	SLU-STATICA	26.2576	5.1468	26.03	-3.41
625	Shell-Thick	SLU-STATICA	27.3306	4.7749	27.89	-3.41
625	Shell-Thick	SLU-STATICA	23.2945	3.1245	27.89	-6.62
625	Shell-Thick	SLU-STATICA	22.2035	3.6250	26.03	-6.62
625	Shell-Thick	SLU-SISMICA	44.9397	8.6229	44.12	-4.91
625	Shell-Thick	SLU-SISMICA	46.6118	8.1545	46.87	-4.91
625	Shell-Thick	SLU-SISMICA	39.8092	5.1760	46.87	-9.67
625	Shell-Thick	SLU-SISMICA	38.0897	5.9758	44.12	-9.67
625	Shell-Thick	SLE-RARA	18.9656	3.7268	18.82	-2.51
625	Shell-Thick	SLE-RARA	19.7488	3.4497	20.19	-2.51
625	Shell-Thick	SLE-RARA	16.8283	2.2654	20.19	-4.86
625	Shell-Thick	SLE-RARA	16.0329	2.6296	18.82	-4.86
625	Shell-Thick	SLE-FREQ.	16.9626	3.3492	16.87	-2.32
625	Shell-Thick	SLE-FREQ.	17.6773	3.0869	18.13	-2.32
625	Shell-Thick	SLE-FREQ.	15.0562	2.0409	18.13	-4.49
625	Shell-Thick	SLE-FREQ.	14.3320	2.3716	16.87	-4.49
625	Shell-Thick	SLE-QP	10.9538	2.2165	11.02	-1.77
625	Shell-Thick	SLE-QP	11.4628	1.9985	11.96	-1.77
625	Shell-Thick	SLE-QP	9.7398	1.3676	11.96	-3.38
625	Shell-Thick	SLE-QP	9.2294	1.5975	11.02	-3.38
626	Shell-Thick	SLU-STATICA	27.5955	5.6431	27.78	-3.20
626	Shell-Thick	SLU-STATICA	28.3852	5.0995	29.56	-3.20
626	Shell-Thick	SLU-STATICA	24.0636	3.3970	29.56	-6.26
626	Shell-Thick	SLU-STATICA	23.3135	3.6758	27.78	-6.26
626	Shell-Thick	SLU-SISMICA	47.0103	9.4652	46.71	-4.43
626	Shell-Thick	SLU-SISMICA	48.1710	8.7164	49.25	-4.43
626	Shell-Thick	SLU-SISMICA	40.9461	5.5945	49.25	-8.81

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626	Shell-Thick	SLU-SISMICA	39.8371	5.9977	46.71	-8.81
626	Shell-Thick	SLE-RARA	19.9428	4.0856	20.11	-2.36
626	Shell-Thick	SLE-RARA	20.5227	3.6838	21.42	-2.36
626	Shell-Thick	SLE-RARA	17.3928	2.4645	21.42	-4.62
626	Shell-Thick	SLE-RARA	16.8422	2.6696	20.11	-4.62
626	Shell-Thick	SLE-FREQ.	17.8556	3.6707	18.06	-2.20
626	Shell-Thick	SLE-FREQ.	18.3907	3.2958	19.27	-2.20
626	Shell-Thick	SLE-FREQ.	15.5765	2.2232	19.27	-4.29
626	Shell-Thick	SLE-FREQ.	15.0690	2.4130	18.06	-4.29
626	Shell-Thick	SLE-QP	11.5938	2.4262	11.90	-1.72
626	Shell-Thick	SLE-QP	11.9946	2.1315	12.83	-1.72
626	Shell-Thick	SLE-QP	10.1277	1.4991	12.83	-3.32
626	Shell-Thick	SLE-QP	9.7494	1.6430	11.90	-3.32
627	Shell-Thick	SLU-STATICA	28.6313	5.6091	29.39	-3.05
627	Shell-Thick	SLU-STATICA	29.4354	5.2740	31.05	-3.05
627	Shell-Thick	SLU-STATICA	24.9088	3.8032	31.05	-5.91
627	Shell-Thick	SLU-STATICA	24.0895	4.2473	29.39	-5.91
627	Shell-Thick	SLU-SISMICA	48.5298	9.3040	48.97	-4.07
627	Shell-Thick	SLU-SISMICA	49.7059	8.9439	51.24	-4.07
627	Shell-Thick	SLU-SISMICA	42.2119	6.3226	51.24	-8.00
627	Shell-Thick	SLU-SISMICA	40.9885	7.0129	48.97	-8.00
627	Shell-Thick	SLE-RARA	20.7036	4.0661	21.30	-2.26
627	Shell-Thick	SLE-RARA	21.2944	3.8134	22.52	-2.26
627	Shell-Thick	SLE-RARA	18.0122	2.7563	22.52	-4.37
627	Shell-Thick	SLE-RARA	17.4115	3.0805	21.30	-4.37
627	Shell-Thick	SLE-FREQ.	18.5579	3.6622	19.16	-2.12
627	Shell-Thick	SLE-FREQ.	19.1035	3.4178	20.31	-2.12
627	Shell-Thick	SLE-FREQ.	16.1461	2.4813	20.31	-4.10
627	Shell-Thick	SLE-FREQ.	15.5935	2.7773	19.16	-4.10
627	Shell-Thick	SLE-QP	12.1206	2.4505	12.76	-1.70
627	Shell-Thick	SLE-QP	12.5308	2.2309	13.66	-1.70
627	Shell-Thick	SLE-QP	10.5478	1.6563	13.66	-3.26
627	Shell-Thick	SLE-QP	10.1392	1.8676	12.76	-3.26
628	Shell-Thick	SLU-STATICA	29.6630	6.0989	30.98	-2.90
628	Shell-Thick	SLU-STATICA	30.2293	5.6037	32.57	-2.90
628	Shell-Thick	SLU-STATICA	25.4433	3.8913	32.57	-5.66
628	Shell-Thick	SLU-STATICA	24.9137	4.1408	30.98	-5.66
628	Shell-Thick	SLU-SISMICA	50.0258	10.1281	51.14	-3.73
628	Shell-Thick	SLU-SISMICA	50.7748	9.5073	53.25	-3.73
628	Shell-Thick	SLU-SISMICA	42.9226	6.4061	53.25	-7.38
628	Shell-Thick	SLU-SISMICA	42.2147	6.7520	51.14	-7.38
628	Shell-Thick	SLE-RARA	21.4623	4.4206	22.47	-2.16
628	Shell-Thick	SLE-RARA	21.8823	4.0517	23.65	-2.16
628	Shell-Thick	SLE-RARA	18.4085	2.8233	23.65	-4.20
628	Shell-Thick	SLE-RARA	18.0160	3.0075	22.47	-4.20
628	Shell-Thick	SLE-FREQ.	19.2597	3.9805	20.26	-2.03
628	Shell-Thick	SLE-FREQ.	19.6543	3.6310	21.37	-2.03
628	Shell-Thick	SLE-FREQ.	16.5181	2.5470	21.37	-3.96
628	Shell-Thick	SLE-FREQ.	16.1500	2.7188	20.26	-3.96
628	Shell-Thick	SLE-QP	12.6518	2.6602	13.62	-1.67
628	Shell-Thick	SLE-QP	12.9703	2.3689	14.52	-1.67
628	Shell-Thick	SLE-QP	10.8471	1.7181	14.52	-3.22
628	Shell-Thick	SLE-QP	10.5519	1.8525	13.62	-3.22
629	Shell-Thick	SLU-STATICA	30.4428	5.9684	32.41	-2.80
629	Shell-Thick	SLU-STATICA	31.0125	5.6618	33.92	-2.80
629	Shell-Thick	SLU-STATICA	26.0431	4.2660	33.92	-5.41
629	Shell-Thick	SLU-STATICA	25.4592	4.6731	32.41	-5.41
629	Shell-Thick	SLU-SISMICA	51.0645	9.7948	52.98	-3.48
629	Shell-Thick	SLU-SISMICA	51.8074	9.5214	54.89	-3.48
629	Shell-Thick	SLU-SISMICA	43.7399	7.0727	54.89	-6.77
629	Shell-Thick	SLU-SISMICA	42.9474	7.6906	52.98	-6.77
629	Shell-Thick	SLE-RARA	22.0402	4.3318	23.54	-2.09
629	Shell-Thick	SLE-RARA	22.4633	4.0979	24.66	-2.09
629	Shell-Thick	SLE-RARA	18.8521	3.0927	24.66	-4.03
629	Shell-Thick	SLE-RARA	18.4201	3.3907	23.54	-4.03
629	Shell-Thick	SLE-FREQ.	19.8020	3.9106	21.27	-1.98
629	Shell-Thick	SLE-FREQ.	20.2005	3.6797	22.33	-1.98
629	Shell-Thick	SLE-FREQ.	16.9329	2.7857	22.33	-3.82
629	Shell-Thick	SLE-FREQ.	16.5287	3.0591	21.27	-3.82

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629	Shell-Thick	SLE-QP	13.0876	2.6468	14.45	-1.66
629	Shell-Thick	SLE-QP	13.4121	2.4250	15.34	-1.66
629	Shell-Thick	SLE-QP	11.1754	1.8650	15.34	-3.18
629	Shell-Thick	SLE-QP	10.8546	2.0643	14.45	-3.18
630	Shell-Thick	SLU-STATICA	31.2118	6.4165	33.87	-2.69
630	Shell-Thick	SLU-STATICA	31.5776	5.9671	35.33	-2.69
630	Shell-Thick	SLU-STATICA	26.3707	4.2361	35.33	-5.22
630	Shell-Thick	SLU-STATICA	26.0364	4.4744	33.87	-5.22
630	Shell-Thick	SLU-SISMICA	52.0671	10.5357	54.82	-3.22
630	Shell-Thick	SLU-SISMICA	52.4475	10.0313	56.59	-3.22
630	Shell-Thick	SLU-SISMICA	44.0757	6.9487	56.59	-6.29
630	Shell-Thick	SLU-SISMICA	43.7227	7.2712	54.82	-6.29
630	Shell-Thick	SLE-RARA	22.6113	4.6568	24.62	-2.01
630	Shell-Thick	SLE-RARA	22.8877	4.3190	25.71	-2.01
630	Shell-Thick	SLE-RARA	19.0999	3.0747	25.71	-3.90
630	Shell-Thick	SLE-RARA	18.8476	3.2510	24.62	-3.90
630	Shell-Thick	SLE-FREQ.	20.3398	4.2035	22.29	-1.92
630	Shell-Thick	SLE-FREQ.	20.6083	3.8785	23.33	-1.92
630	Shell-Thick	SLE-FREQ.	17.1740	2.7759	23.33	-3.71
630	Shell-Thick	SLE-FREQ.	16.9294	2.9410	22.29	-3.71
630	Shell-Thick	SLE-QP	13.5256	2.8435	15.30	-1.64
630	Shell-Thick	SLE-QP	13.7700	2.5571	16.18	-1.64
630	Shell-Thick	SLE-QP	11.3961	1.8797	16.18	-3.16
630	Shell-Thick	SLE-QP	11.1748	2.0110	15.30	-3.16
631	Shell-Thick	SLU-STATICA	31.7655	6.2289	35.17	-2.61
631	Shell-Thick	SLU-STATICA	32.1270	5.9476	36.56	-2.61
631	Shell-Thick	SLU-STATICA	26.7524	4.5631	36.56	-5.01
631	Shell-Thick	SLU-STATICA	26.3769	4.9447	35.17	-5.01
631	Shell-Thick	SLU-SISMICA	52.6832	10.1060	56.33	-3.02
631	Shell-Thick	SLU-SISMICA	53.0431	9.9068	57.94	-3.02
631	Shell-Thick	SLU-SISMICA	44.4965	7.5230	57.94	-5.80
631	Shell-Thick	SLU-SISMICA	44.0834	8.0909	56.33	-5.80
631	Shell-Thick	SLE-RARA	23.0277	4.5267	25.60	-1.96
631	Shell-Thick	SLE-RARA	23.3017	4.3094	26.64	-1.96
631	Shell-Thick	SLE-RARA	19.3872	3.3101	26.64	-3.76
631	Shell-Thick	SLE-RARA	19.1046	3.5901	25.60	-3.76
631	Shell-Thick	SLE-FREQ.	20.7409	4.0965	23.23	-1.88
631	Shell-Thick	SLE-FREQ.	21.0082	3.8778	24.23	-1.88
631	Shell-Thick	SLE-FREQ.	17.4510	2.9853	24.23	-3.60
631	Shell-Thick	SLE-FREQ.	17.1784	3.2430	23.23	-3.60
631	Shell-Thick	SLE-QP	13.8805	2.8058	16.12	-1.63
631	Shell-Thick	SLE-QP	14.1279	2.5829	16.98	-1.63
631	Shell-Thick	SLE-QP	11.6422	2.0106	16.98	-3.13
631	Shell-Thick	SLE-QP	11.3998	2.2018	16.12	-3.13
632	Shell-Thick	SLU-STATICA	32.3033	6.6214	36.51	-2.52
632	Shell-Thick	SLU-STATICA	32.4875	6.2167	37.86	-2.52
632	Shell-Thick	SLU-STATICA	26.8952	4.4533	37.86	-4.85
632	Shell-Thick	SLU-STATICA	26.7362	4.6899	36.51	-4.85
632	Shell-Thick	SLU-SISMICA	53.2545	10.7377	57.89	-2.81
632	Shell-Thick	SLU-SISMICA	53.3039	10.3411	59.38	-2.81
632	Shell-Thick	SLU-SISMICA	44.5003	7.2662	59.38	-5.39
632	Shell-Thick	SLU-SISMICA	44.4633	7.5832	57.89	-5.39
632	Shell-Thick	SLE-RARA	23.4335	4.8122	26.60	-1.90
632	Shell-Thick	SLE-RARA	23.5798	4.5052	27.62	-1.90
632	Shell-Thick	SLE-RARA	19.5024	3.2343	27.62	-3.65
632	Shell-Thick	SLE-RARA	19.3758	3.4096	26.60	-3.65
632	Shell-Thick	SLE-FREQ.	21.1340	4.3553	24.19	-1.83
632	Shell-Thick	SLE-FREQ.	21.2877	4.0551	25.17	-1.83
632	Shell-Thick	SLE-FREQ.	17.5747	2.9234	25.17	-3.51
632	Shell-Thick	SLE-FREQ.	17.4413	3.0877	24.19	-3.51
632	Shell-Thick	SLE-QP	14.2352	2.9845	16.95	-1.61
632	Shell-Thick	SLE-QP	14.4114	2.7051	17.82	-1.61
632	Shell-Thick	SLE-QP	11.7917	1.9907	17.82	-3.11
632	Shell-Thick	SLE-QP	11.6376	2.1222	16.95	-3.11
633	Shell-Thick	SLU-STATICA	32.6541	6.3983	37.71	-2.45
633	Shell-Thick	SLU-STATICA	32.8264	6.1415	38.99	-2.45
633	Shell-Thick	SLU-STATICA	27.0797	4.7283	38.99	-4.67
633	Shell-Thick	SLU-STATICA	26.8925	5.0910	37.71	-4.67
633	Shell-Thick	SLU-SISMICA	53.4952	10.2538	59.13	-2.64

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633	Shell-Thick	SLU-SISMICA	53.5121	10.1218	60.48	-2.64
633	Shell-Thick	SLU-SISMICA	44.5672	7.7398	60.48	-4.97
633	Shell-Thick	SLU-SISMICA	44.4924	8.2704	59.13	-4.97
633	Shell-Thick	SLE-RARA	23.7048	4.6561	27.51	-1.85
633	Shell-Thick	SLE-RARA	23.8432	4.4553	28.47	-1.85
633	Shell-Thick	SLE-RARA	19.6480	3.4327	28.47	-3.52
633	Shell-Thick	SLE-RARA	19.5005	3.6992	27.51	-3.52
633	Shell-Thick	SLE-FREQ.	21.4076	4.2245	25.07	-1.79
633	Shell-Thick	SLE-FREQ.	21.5553	4.0184	26.01	-1.79
633	Shell-Thick	SLE-FREQ.	17.7265	3.1006	26.01	-3.41
633	Shell-Thick	SLE-FREQ.	17.5733	3.3467	25.07	-3.41
633	Shell-Thick	SLE-QP	14.5160	2.9295	17.75	-1.61
633	Shell-Thick	SLE-QP	14.6917	2.7075	18.60	-1.61
633	Shell-Thick	SLE-QP	11.9617	2.1042	18.60	-3.07
633	Shell-Thick	SLE-QP	11.7917	2.2892	17.75	-3.07
634	Shell-Thick	SLU-STATICA	32.9828	6.7301	38.95	-2.37
634	Shell-Thick	SLU-STATICA	32.9992	6.3702	40.18	-2.37
634	Shell-Thick	SLU-STATICA	27.0537	4.5616	40.18	-4.51
634	Shell-Thick	SLU-STATICA	27.0555	4.8008	38.95	-4.51
634	Shell-Thick	SLU-SISMICA	53.6828	10.7682	60.43	-2.46
634	Shell-Thick	SLU-SISMICA	53.4316	10.4725	61.67	-2.46
634	Shell-Thick	SLU-SISMICA	44.2726	7.3950	61.67	-4.61
634	Shell-Thick	SLU-SISMICA	44.5208	7.7147	60.43	-4.61
634	Shell-Thick	SLE-RARA	23.9610	4.8985	28.44	-1.79
634	Shell-Thick	SLE-RARA	23.9867	4.6225	29.38	-1.79
634	Shell-Thick	SLE-RARA	19.6417	3.3153	29.38	-3.41
634	Shell-Thick	SLE-RARA	19.6308	3.4925	28.44	-3.41
634	Shell-Thick	SLE-FREQ.	21.6690	4.4458	25.97	-1.74
634	Shell-Thick	SLE-FREQ.	21.7162	4.1714	26.89	-1.74
634	Shell-Thick	SLE-FREQ.	17.7424	3.0007	26.89	-3.32
634	Shell-Thick	SLE-FREQ.	17.7115	3.1669	25.97	-3.32
634	Shell-Thick	SLE-QP	14.7932	3.0879	18.57	-1.59
634	Shell-Thick	SLE-QP	14.9044	2.8181	19.42	-1.59
634	Shell-Thick	SLE-QP	12.0443	2.0569	19.42	-3.05
634	Shell-Thick	SLE-QP	11.9534	2.1902	18.57	-3.05
635	Shell-Thick	SLU-STATICA	33.1468	6.4831	40.04	-2.31
635	Shell-Thick	SLU-STATICA	33.1431	6.2521	41.21	-2.31
635	Shell-Thick	SLU-STATICA	27.0555	4.7846	41.21	-4.34
635	Shell-Thick	SLU-STATICA	27.0428	5.1315	40.04	-4.34
635	Shell-Thick	SLU-SISMICA	53.5845	10.2531	61.44	-2.31
635	Shell-Thick	SLU-SISMICA	53.2899	10.1843	62.56	-2.31
635	Shell-Thick	SLU-SISMICA	44.0188	7.7691	62.56	-4.23
635	Shell-Thick	SLU-SISMICA	44.2507	8.2691	61.44	-4.23
635	Shell-Thick	SLE-RARA	24.0983	4.7247	29.27	-1.75
635	Shell-Thick	SLE-RARA	24.1100	4.5415	30.17	-1.75
635	Shell-Thick	SLE-RARA	19.6558	3.4768	30.17	-3.29
635	Shell-Thick	SLE-RARA	19.6340	3.7320	29.27	-3.29
635	Shell-Thick	SLE-FREQ.	21.8245	4.2984	26.79	-1.70
635	Shell-Thick	SLE-FREQ.	21.8598	4.1064	27.67	-1.70
635	Shell-Thick	SLE-FREQ.	17.7771	3.1458	27.67	-3.22
635	Shell-Thick	SLE-FREQ.	17.7357	3.3822	26.79	-3.22
635	Shell-Thick	SLE-QP	15.0032	3.0194	19.35	-1.57
635	Shell-Thick	SLE-QP	15.1094	2.8010	20.18	-1.57
635	Shell-Thick	SLE-QP	12.1410	2.1528	20.18	-3.00
635	Shell-Thick	SLE-QP	12.0409	2.3326	19.35	-3.00
636	Shell-Thick	SLU-STATICA	33.2810	6.7530	41.17	-2.23
636	Shell-Thick	SLU-STATICA	33.1385	6.4386	42.30	-2.23
636	Shell-Thick	SLU-STATICA	26.8710	4.5752	42.30	-4.18
636	Shell-Thick	SLU-STATICA	27.0245	4.8180	41.17	-4.18
636	Shell-Thick	SLU-SISMICA	53.4242	10.6506	62.50	-2.14
636	Shell-Thick	SLU-SISMICA	52.8963	10.4503	63.51	-2.14
636	Shell-Thick	SLU-SISMICA	43.4514	7.3640	63.51	-3.89
636	Shell-Thick	SLU-SISMICA	43.9616	7.6882	62.50	-3.89
636	Shell-Thick	SLE-RARA	24.2147	4.9228	30.13	-1.69
636	Shell-Thick	SLE-RARA	24.1258	4.6789	30.99	-1.69
636	Shell-Thick	SLE-RARA	19.5350	3.3279	30.99	-3.18
636	Shell-Thick	SLE-RARA	19.6336	3.5078	30.13	-3.18
636	Shell-Thick	SLE-FREQ.	21.9622	4.4811	27.64	-1.66
636	Shell-Thick	SLE-FREQ.	21.9073	4.2339	28.49	-1.66

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636	Shell-Thick	SLE-FREQ.	17.6908	3.0166	28.49	-3.13
636	Shell-Thick	SLE-FREQ.	17.7576	3.1854	27.64	-3.13
636	Shell-Thick	SLE-QP	15.2049	3.1561	20.15	-1.55
636	Shell-Thick	SLE-QP	15.2516	2.8987	20.96	-1.55
636	Shell-Thick	SLE-QP	12.1580	2.0829	20.96	-2.96
636	Shell-Thick	SLE-QP	12.1296	2.2183	20.15	-2.96
637	Shell-Thick	SLU-STATICA	33.2677	6.4883	42.16	-2.15
637	Shell-Thick	SLU-STATICA	33.0959	6.2851	43.23	-2.15
637	Shell-Thick	SLU-STATICA	26.6993	4.7480	43.23	-4.00
637	Shell-Thick	SLU-STATICA	26.8526	5.0799	42.16	-4.00
637	Shell-Thick	SLU-SISMICA	53.0140	10.1166	63.29	-1.99
637	Shell-Thick	SLU-SISMICA	52.4321	10.1085	64.18	-1.99
637	Shell-Thick	SLU-SISMICA	42.9027	7.6437	64.18	-3.52
637	Shell-Thick	SLU-SISMICA	43.4172	8.1155	63.29	-3.52
637	Shell-Thick	SLE-RARA	24.2243	4.7356	30.89	-1.64
637	Shell-Thick	SLE-RARA	24.1146	4.5720	31.71	-1.64
637	Shell-Thick	SLE-RARA	19.4238	3.4535	31.71	-3.05
637	Shell-Thick	SLE-RARA	19.5219	3.6980	30.89	-3.05
637	Shell-Thick	SLE-FREQ.	22.0043	4.3207	28.40	-1.61
637	Shell-Thick	SLE-FREQ.	21.9310	4.1450	29.21	-1.61
637	Shell-Thick	SLE-FREQ.	17.6132	3.1304	29.21	-3.02
637	Shell-Thick	SLE-FREQ.	17.6793	3.3574	28.40	-3.02
637	Shell-Thick	SLE-QP	15.3441	3.0759	20.90	-1.53
637	Shell-Thick	SLE-QP	15.3801	2.8642	21.69	-1.53
637	Shell-Thick	SLE-QP	12.1817	2.1610	21.69	-2.91
637	Shell-Thick	SLE-QP	12.1514	2.3355	20.90	-2.91
638	Shell-Thick	SLU-STATICA	33.2156	6.6963	43.18	-2.07
638	Shell-Thick	SLU-STATICA	32.9186	6.4289	44.19	-2.07
638	Shell-Thick	SLU-STATICA	26.3617	4.5050	44.19	-3.82
638	Shell-Thick	SLU-STATICA	26.6624	4.7502	43.18	-3.82
638	Shell-Thick	SLU-SISMICA	52.5324	10.4011	64.12	-1.83
638	Shell-Thick	SLU-SISMICA	51.7461	10.2916	64.91	-1.83
638	Shell-Thick	SLU-SISMICA	42.0818	7.1960	64.91	-3.18
638	Shell-Thick	SLU-SISMICA	42.8366	7.5225	64.12	-3.18
638	Shell-Thick	SLE-RARA	24.2062	4.8895	31.68	-1.58
638	Shell-Thick	SLE-RARA	24.0056	4.6790	32.46	-1.58
638	Shell-Thick	SLE-RARA	19.1920	3.2796	32.46	-2.93
638	Shell-Thick	SLE-RARA	19.3972	3.4612	31.68	-2.93
638	Shell-Thick	SLE-FREQ.	22.0219	4.4644	29.18	-1.56
638	Shell-Thick	SLE-FREQ.	21.8664	4.2461	29.95	-1.56
638	Shell-Thick	SLE-FREQ.	17.4269	2.9775	29.95	-2.91
638	Shell-Thick	SLE-FREQ.	17.5897	3.1481	29.18	-2.91
638	Shell-Thick	SLE-QP	15.4690	3.1894	21.67	-1.50
638	Shell-Thick	SLE-QP	15.4490	2.9477	22.45	-1.50
638	Shell-Thick	SLE-QP	12.1316	2.0715	22.45	-2.85
638	Shell-Thick	SLE-QP	12.1673	2.2086	21.67	-2.85
639	Shell-Thick	SLU-STATICA	33.0292	6.4166	44.06	-1.99
639	Shell-Thick	SLU-STATICA	32.6935	6.2440	45.01	-1.99
639	Shell-Thick	SLU-STATICA	26.0216	4.6298	45.01	-3.63
639	Shell-Thick	SLU-STATICA	26.3368	4.9460	44.06	-3.63
639	Shell-Thick	SLU-SISMICA	51.8305	9.8541	64.70	-1.68
639	Shell-Thick	SLU-SISMICA	50.9803	9.9054	65.36	-1.68
639	Shell-Thick	SLU-SISMICA	41.2589	7.3888	65.36	-2.82
639	Shell-Thick	SLU-SISMICA	42.0370	7.8315	64.70	-2.82
639	Shell-Thick	SLE-RARA	24.0907	4.6908	32.36	-1.52
639	Shell-Thick	SLE-RARA	23.8619	4.5489	33.09	-1.52
639	Shell-Thick	SLE-RARA	18.9584	3.3707	33.09	-2.79
639	Shell-Thick	SLE-RARA	19.1741	3.6040	32.36	-2.79
639	Shell-Thick	SLE-FREQ.	21.9516	4.2926	29.87	-1.51
639	Shell-Thick	SLE-FREQ.	21.7708	4.1359	30.60	-1.51
639	Shell-Thick	SLE-FREQ.	17.2387	3.0609	30.60	-2.78
639	Shell-Thick	SLE-FREQ.	17.4111	3.2780	29.87	-2.78
639	Shell-Thick	SLE-QP	15.5344	3.0982	22.38	-1.48
639	Shell-Thick	SLE-QP	15.4972	2.8967	23.14	-1.48
639	Shell-Thick	SLE-QP	12.0798	2.1314	23.14	-2.78
639	Shell-Thick	SLE-QP	12.1220	2.3000	22.38	-2.78
640	Shell-Thick	SLU-STATICA	32.7942	6.5643	44.96	-1.90
640	Shell-Thick	SLU-STATICA	32.3436	6.3452	45.85	-1.90
640	Shell-Thick	SLU-STATICA	25.5325	4.3592	45.85	-3.43

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640	Shell-Thick	SLU-STATICA	25.9798	4.6040	44.96	-3.43
640	Shell-Thick	SLU-SISMICA	51.0477	10.0330	65.31	-1.52
640	Shell-Thick	SLU-SISMICA	50.0173	10.0098	65.86	-1.52
640	Shell-Thick	SLU-SISMICA	40.1994	6.9101	65.86	-2.47
640	Shell-Thick	SLU-SISMICA	41.1860	7.2338	65.31	-2.47
640	Shell-Thick	SLE-RARA	23.9399	4.8012	33.06	-1.46
640	Shell-Thick	SLE-RARA	23.6274	4.6254	33.74	-1.46
640	Shell-Thick	SLE-RARA	18.6162	3.1760	33.74	-2.65
640	Shell-Thick	SLE-RARA	18.9282	3.3576	33.06	-2.65
640	Shell-Thick	SLE-FREQ.	21.8496	4.3977	30.57	-1.46
640	Shell-Thick	SLE-FREQ.	21.5924	4.2102	31.27	-1.46
640	Shell-Thick	SLE-FREQ.	16.9518	2.8881	31.27	-2.66
640	Shell-Thick	SLE-FREQ.	17.2118	3.0587	30.57	-2.66
640	Shell-Thick	SLE-QP	15.5785	3.1874	23.11	-1.44
640	Shell-Thick	SLE-QP	15.4873	2.9646	23.84	-1.44
640	Shell-Thick	SLE-QP	11.9588	2.0242	23.84	-2.70
640	Shell-Thick	SLE-QP	12.0627	2.1620	23.11	-2.70
641	Shell-Thick	SLU-STATICA	32.4348	6.2697	45.72	-1.82
641	Shell-Thick	SLU-STATICA	31.9360	6.1302	46.53	-1.82
641	Shell-Thick	SLU-STATICA	25.0265	4.4408	46.53	-3.22
641	Shell-Thick	SLU-STATICA	25.5022	4.7394	45.72	-3.22
641	Shell-Thick	SLU-SISMICA	50.0687	9.4747	65.66	-1.37
641	Shell-Thick	SLU-SISMICA	48.9667	9.5833	66.09	-1.37
641	Shell-Thick	SLU-SISMICA	39.1206	7.0287	66.09	-2.10
641	Shell-Thick	SLU-SISMICA	40.1468	7.4391	65.66	-2.10
641	Shell-Thick	SLE-RARA	23.6984	4.5911	33.65	-1.40
641	Shell-Thick	SLE-RARA	23.3506	4.4731	34.28	-1.40
641	Shell-Thick	SLE-RARA	18.2613	3.2361	34.28	-2.49
641	Shell-Thick	SLE-RARA	18.5944	3.4567	33.65	-2.49
641	Shell-Thick	SLE-FREQ.	21.6649	4.2145	31.18	-1.40
641	Shell-Thick	SLE-FREQ.	21.3753	4.0790	31.83	-1.40
641	Shell-Thick	SLE-FREQ.	16.6527	2.9436	31.83	-2.52
641	Shell-Thick	SLE-FREQ.	16.9324	3.1496	31.18	-2.52
641	Shell-Thick	SLE-QP	15.5645	3.0847	23.78	-1.41
641	Shell-Thick	SLE-QP	15.4493	2.8968	24.48	-1.41
641	Shell-Thick	SLE-QP	11.8272	2.0662	24.48	-2.61
641	Shell-Thick	SLE-QP	11.9465	2.2283	23.78	-2.61
642	Shell-Thick	SLU-STATICA	32.0195	6.3664	46.49	-1.73
642	Shell-Thick	SLU-STATICA	31.3743	6.1863	47.25	-1.73
642	Shell-Thick	SLU-STATICA	24.3480	4.1422	47.25	-2.99
642	Shell-Thick	SLU-STATICA	24.9806	4.3926	46.49	-2.99
642	Shell-Thick	SLU-SISMICA	49.0042	9.5643	66.03	-1.23
642	Shell-Thick	SLU-SISMICA	47.6648	9.6089	66.33	-1.23
642	Shell-Thick	SLU-SISMICA	37.7678	6.5292	66.33	-1.72
642	Shell-Thick	SLU-SISMICA	39.0420	6.8423	66.03	-1.72
642	Shell-Thick	SLE-RARA	23.4161	4.6647	34.25	-1.34
642	Shell-Thick	SLE-RARA	22.9619	4.5171	34.85	-1.34
642	Shell-Thick	SLE-RARA	17.7808	3.0198	34.85	-2.33
642	Shell-Thick	SLE-RARA	18.2282	3.2064	34.25	-2.33
642	Shell-Thick	SLE-FREQ.	21.4429	4.2869	31.80	-1.35
642	Shell-Thick	SLE-FREQ.	21.0569	4.1245	32.43	-1.35
642	Shell-Thick	SLE-FREQ.	16.2395	2.7492	32.43	-2.38
642	Shell-Thick	SLE-FREQ.	16.6231	2.9260	31.80	-2.38
642	Shell-Thick	SLE-QP	15.5234	3.1534	24.45	-1.37
642	Shell-Thick	SLE-QP	15.3422	2.9465	25.15	-1.37
642	Shell-Thick	SLE-QP	11.6157	1.9373	25.15	-2.52
642	Shell-Thick	SLE-QP	11.8081	2.0849	24.45	-2.52
643	Shell-Thick	SLU-STATICA	31.4796	6.0975	47.10	-1.53
643	Shell-Thick	SLU-STATICA	30.0604	5.7767	48.36	-1.53
643	Shell-Thick	SLU-STATICA	22.9405	3.9530	48.36	-2.65
643	Shell-Thick	SLU-STATICA	24.2646	4.3405	47.10	-2.65
643	Shell-Thick	SLU-SISMICA	47.7114	8.9819	66.11	-0.93
643	Shell-Thick	SLU-SISMICA	44.8783	8.9133	66.33	-0.93
643	Shell-Thick	SLU-SISMICA	35.0867	6.3462	66.33	-1.13
643	Shell-Thick	SLU-SISMICA	37.6152	6.6262	66.11	-1.13
643	Shell-Thick	SLE-RARA	23.0445	4.4766	34.75	-1.19
643	Shell-Thick	SLE-RARA	22.0396	4.2210	35.75	-1.19
643	Shell-Thick	SLE-RARA	16.7777	2.8761	35.75	-2.08
643	Shell-Thick	SLE-RARA	17.7210	3.1751	34.75	-2.08



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643	Shell-Thick	SLE-FREQ.	21.1424	4.1292	32.33	-1.21
643	Shell-Thick	SLE-FREQ.	20.2784	3.8591	33.39	-1.21
643	Shell-Thick	SLE-FREQ.	15.3658	2.6085	33.39	-2.15
643	Shell-Thick	SLE-FREQ.	16.1869	2.9090	32.33	-2.15
643	Shell-Thick	SLE-QP	15.4360	3.0869	25.07	-1.27
643	Shell-Thick	SLE-QP	14.9949	2.7736	26.32	-1.27
643	Shell-Thick	SLE-QP	11.1302	1.8058	26.32	-2.37
643	Shell-Thick	SLE-QP	11.5846	2.1106	25.07	-2.37
644	Shell-Thick	SLU-STATICA	30.1519	5.9126	48.28	-1.37
644	Shell-Thick	SLU-STATICA	29.3137	5.8217	48.73	-1.37
644	Shell-Thick	SLU-STATICA	22.0445	3.6793	48.73	-2.15
644	Shell-Thick	SLU-STATICA	22.8646	3.8950	48.28	-2.15
644	Shell-Thick	SLU-SISMICA	44.9052	8.6577	66.23	-0.65
644	Shell-Thick	SLU-SISMICA	43.3269	8.8320	66.10	-0.65
644	Shell-Thick	SLU-SISMICA	33.4315	5.7579	66.10	-0.43
644	Shell-Thick	SLU-SISMICA	34.9449	6.0268	66.23	-0.43
644	Shell-Thick	SLE-RARA	22.1121	4.3434	35.69	-1.08
644	Shell-Thick	SLE-RARA	21.5139	4.2613	36.06	-1.08
644	Shell-Thick	SLE-RARA	16.1366	2.6844	36.06	-1.72
644	Shell-Thick	SLE-RARA	16.7234	2.8452	35.69	-1.72
644	Shell-Thick	SLE-FREQ.	20.3545	4.0107	33.34	-1.11
644	Shell-Thick	SLE-FREQ.	19.8318	3.9089	33.74	-1.11
644	Shell-Thick	SLE-FREQ.	14.8029	2.4474	33.74	-1.81
644	Shell-Thick	SLE-FREQ.	15.3183	2.5998	33.34	-1.81
644	Shell-Thick	SLE-QP	15.0816	3.0127	26.27	-1.21
644	Shell-Thick	SLE-QP	14.7856	2.8515	26.79	-1.21
644	Shell-Thick	SLE-QP	10.8019	1.7364	26.79	-2.11
644	Shell-Thick	SLE-QP	11.1030	1.8638	26.27	-2.11
645	Shell-Thick	SLU-STATICA	29.3402	5.5474	48.64	-1.18
645	Shell-Thick	SLU-STATICA	28.4276	5.5186	48.97	-1.18
645	Shell-Thick	SLU-STATICA	21.1194	3.6500	48.97	-1.77
645	Shell-Thick	SLU-STATICA	22.0029	3.8781	48.64	-1.77
645	Shell-Thick	SLU-SISMICA	43.2825	8.0276	65.96	-0.38
645	Shell-Thick	SLU-SISMICA	41.6130	8.2935	65.69	-0.38
645	Shell-Thick	SLU-SISMICA	31.7773	5.7170	65.69	8.586E-02
645	Shell-Thick	SLU-SISMICA	33.3651	6.0082	65.96	8.586E-02
645	Shell-Thick	SLE-RARA	21.5375	4.0799	35.99	-0.94
645	Shell-Thick	SLE-RARA	20.8837	4.0434	36.28	-0.94
645	Shell-Thick	SLE-RARA	15.4719	2.6627	36.28	-1.43
645	Shell-Thick	SLE-RARA	16.1063	2.8324	35.99	-1.43
645	Shell-Thick	SLE-FREQ.	19.8607	3.7755	33.68	-0.98
645	Shell-Thick	SLE-FREQ.	19.2852	3.7157	34.01	-0.98
645	Shell-Thick	SLE-FREQ.	14.2146	2.4272	34.01	-1.55
645	Shell-Thick	SLE-FREQ.	14.7754	2.5875	33.68	-1.55
645	Shell-Thick	SLE-QP	14.8302	2.8622	26.75	-1.11
645	Shell-Thick	SLE-QP	14.4897	2.7325	27.20	-1.11
645	Shell-Thick	SLE-QP	10.4425	1.7206	27.20	-1.90
645	Shell-Thick	SLE-QP	10.7828	1.8529	26.75	-1.90
646	Shell-Thick	SLU-STATICA	28.4390	5.4907	48.95	-0.97
646	Shell-Thick	SLU-STATICA	27.4368	5.4696	49.16	-0.97
646	Shell-Thick	SLU-STATICA	20.0880	3.2939	49.16	-1.33
646	Shell-Thick	SLU-STATICA	21.0671	3.4733	48.95	-1.33
646	Shell-Thick	SLU-SISMICA	41.5489	7.9007	65.66	-9.154E-02
646	Shell-Thick	SLU-SISMICA	39.7673	8.1645	65.23	-9.154E-02
646	Shell-Thick	SLU-SISMICA	29.9825	5.1576	65.23	0.66
646	Shell-Thick	SLU-SISMICA	31.6939	5.3724	65.66	0.66
646	Shell-Thick	SLE-RARA	20.8961	4.0405	36.26	-0.78
646	Shell-Thick	SLE-RARA	20.1755	4.0103	36.45	-0.78
646	Shell-Thick	SLE-RARA	14.7285	2.4031	36.45	-1.11
646	Shell-Thick	SLE-RARA	15.4339	2.5372	36.26	-1.11
646	Shell-Thick	SLE-FREQ.	19.3035	3.7428	33.99	-0.83
646	Shell-Thick	SLE-FREQ.	18.6647	3.6899	34.23	-0.83
646	Shell-Thick	SLE-FREQ.	13.5522	2.1907	34.23	-1.24
646	Shell-Thick	SLE-FREQ.	14.1800	2.3186	33.99	-1.24
646	Shell-Thick	SLE-QP	14.5257	2.8498	27.19	-0.99
646	Shell-Thick	SLE-QP	14.1324	2.7289	27.57	-0.99
646	Shell-Thick	SLE-QP	10.0234	1.5534	27.57	-1.65
646	Shell-Thick	SLE-QP	10.4185	1.6627	27.19	-1.65
647	Shell-Thick	SLU-STATICA	27.4304	5.1147	49.08	-0.73



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647	Shell-Thick	SLU-STATICA	26.3599	5.1484	49.14	-0.73
647	Shell-Thick	SLU-STATICA	19.0061	3.2401	49.14	-0.84
647	Shell-Thick	SLU-STATICA	20.0468	3.4107	49.08	-0.84
647	Shell-Thick	SLU-SISMICA	39.6807	7.2731	65.12	0.21
647	Shell-Thick	SLU-SISMICA	37.8241	7.6098	64.50	0.21
647	Shell-Thick	SLU-SISMICA	28.1403	5.0821	64.50	1.28
647	Shell-Thick	SLU-SISMICA	29.9171	5.2891	65.12	1.28
647	Shell-Thick	SLE-RARA	20.1747	3.7681	36.39	-0.60
647	Shell-Thick	SLE-RARA	19.4026	3.7785	36.47	-0.60
647	Shell-Thick	SLE-RARA	13.9465	2.3634	36.47	-0.74
647	Shell-Thick	SLE-RARA	14.6984	2.4908	36.39	-0.74
647	Shell-Thick	SLE-FREQ.	18.6705	3.4978	34.18	-0.67
647	Shell-Thick	SLE-FREQ.	17.9821	3.4830	34.31	-0.67
647	Shell-Thick	SLE-FREQ.	12.8520	2.1538	34.31	-0.90
647	Shell-Thick	SLE-FREQ.	13.5249	2.2750	34.18	-0.90
647	Shell-Thick	SLE-QP	14.1580	2.6870	27.53	-0.86
647	Shell-Thick	SLE-QP	13.7205	2.5967	27.83	-0.86
647	Shell-Thick	SLE-QP	9.5684	1.5248	27.83	-1.36
647	Shell-Thick	SLE-QP	10.0042	1.6276	27.53	-1.36
648	Shell-Thick	SLU-STATICA	26.3335	5.0054	49.13	-0.47
648	Shell-Thick	SLU-STATICA	25.1823	5.0640	49.03	-0.47
648	Shell-Thick	SLU-STATICA	17.8313	2.8753	49.03	-0.29
648	Shell-Thick	SLU-STATICA	18.9557	2.9994	49.13	-0.29
648	Shell-Thick	SLU-SISMICA	37.7128	7.0779	64.49	0.54
648	Shell-Thick	SLU-SISMICA	35.7659	7.4334	63.68	0.54
648	Shell-Thick	SLU-SISMICA	26.1867	4.5229	63.68	1.95
648	Shell-Thick	SLU-SISMICA	28.0610	4.6611	64.49	1.95
648	Shell-Thick	SLE-RARA	19.3869	3.6895	36.47	-0.40
648	Shell-Thick	SLE-RARA	18.5542	3.7191	36.42	-0.40
648	Shell-Thick	SLE-RARA	13.0951	2.0966	36.42	-0.33
648	Shell-Thick	SLE-RARA	13.9098	2.1899	36.47	-0.33
648	Shell-Thick	SLE-FREQ.	17.9737	3.4282	34.30	-0.48
648	Shell-Thick	SLE-FREQ.	17.2270	3.4327	34.32	-0.48
648	Shell-Thick	SLE-FREQ.	12.0856	1.9095	34.32	-0.50
648	Shell-Thick	SLE-FREQ.	12.8186	1.9994	34.30	-0.50
648	Shell-Thick	SLE-QP	13.7342	2.6444	27.82	-0.70
648	Shell-Thick	SLE-QP	13.2452	2.5734	28.01	-0.70
648	Shell-Thick	SLE-QP	9.0570	1.3482	28.01	-1.03
648	Shell-Thick	SLE-QP	9.5448	1.4277	27.82	-1.03
649	Shell-Thick	SLU-STATICA	25.1342	4.6031	48.98	-0.17
649	Shell-Thick	SLU-STATICA	23.9160	4.7105	48.69	-0.17
649	Shell-Thick	SLU-STATICA	16.6039	2.8097	48.69	0.33
649	Shell-Thick	SLU-STATICA	17.7927	2.9027	48.98	0.33
649	Shell-Thick	SLU-SISMICA	35.6285	6.4328	63.60	0.91
649	Shell-Thick	SLU-SISMICA	33.6165	6.8453	62.56	0.91
649	Shell-Thick	SLU-SISMICA	24.1896	4.4349	62.56	2.69
649	Shell-Thick	SLU-SISMICA	26.1263	4.5345	63.60	2.69
649	Shell-Thick	SLE-RARA	18.5222	3.3968	36.38	-0.18
649	Shell-Thick	SLE-RARA	17.6387	3.4629	36.20	-0.18
649	Shell-Thick	SLE-RARA	12.2035	2.0480	36.20	0.13
649	Shell-Thick	SLE-RARA	13.0670	2.1182	36.38	0.13
649	Shell-Thick	SLE-FREQ.	17.2031	3.1626	34.28	-0.26
649	Shell-Thick	SLE-FREQ.	16.4066	3.2021	34.17	-0.26
649	Shell-Thick	SLE-FREQ.	11.2792	1.8640	34.17	-6.359E-02
649	Shell-Thick	SLE-FREQ.	12.0599	1.9318	34.28	-6.359E-02
649	Shell-Thick	SLE-QP	13.2457	2.4603	27.99	-0.51
649	Shell-Thick	SLE-QP	12.7103	2.4196	28.07	-0.51
649	Shell-Thick	SLE-QP	8.5063	1.3118	28.07	-0.65
649	Shell-Thick	SLE-QP	9.0388	1.3728	27.99	-0.65
650	Shell-Thick	SLU-STATICA	23.8439	4.4497	48.71	0.17
650	Shell-Thick	SLU-STATICA	22.5576	4.5994	48.22	0.17
650	Shell-Thick	SLU-STATICA	15.3007	2.4348	48.22	1.02
650	Shell-Thick	SLU-STATICA	16.5581	2.4810	48.71	1.02
650	Shell-Thick	SLU-SISMICA	33.4510	6.1875	62.59	1.31
650	Shell-Thick	SLU-SISMICA	31.3750	6.6394	61.33	1.31
650	Shell-Thick	SLU-SISMICA	22.1141	3.8737	61.33	3.49
650	Shell-Thick	SLU-SISMICA	24.1183	3.9085	62.59	3.49
650	Shell-Thick	SLE-RARA	17.5887	3.2851	36.22	7.401E-02
650	Shell-Thick	SLE-RARA	16.6534	3.3835	35.88	7.401E-02

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650	Shell-Thick	SLE-RARA	11.2544	1.7732	35.88	0.65
650	Shell-Thick	SLE-RARA	12.1700	1.8088	36.22	0.65
650	Shell-Thick	SLE-FREQ.	16.3655	3.0613	34.18	-2.092E-02
650	Shell-Thick	SLE-FREQ.	15.5182	3.1325	33.92	-2.092E-02
650	Shell-Thick	SLE-FREQ.	10.4170	1.6113	33.92	0.43
650	Shell-Thick	SLE-FREQ.	11.2486	1.6469	34.18	0.43
650	Shell-Thick	SLE-QP	12.6960	2.3899	28.08	-0.31
650	Shell-Thick	SLE-QP	12.1125	2.3793	28.03	-0.31
650	Shell-Thick	SLE-QP	7.9048	1.1254	28.03	-0.23
650	Shell-Thick	SLE-QP	8.4845	1.1611	28.08	-0.23
651	Shell-Thick	SLU-STATICA	22.4596	4.0162	48.19	0.55
651	Shell-Thick	SLU-STATICA	21.1133	4.2096	47.48	0.55
651	Shell-Thick	SLU-STATICA	13.9496	2.3773	47.48	1.78
651	Shell-Thick	SLU-STATICA	15.2687	2.3677	48.19	1.78
651	Shell-Thick	SLU-SISMICA	31.1797	5.5199	61.29	1.74
651	Shell-Thick	SLU-SISMICA	29.0556	6.0142	59.77	1.74
651	Shell-Thick	SLU-SISMICA	20.0076	3.8038	59.77	4.37
651	Shell-Thick	SLU-SISMICA	22.0641	3.7667	61.29	4.37
651	Shell-Thick	SLE-RARA	16.5840	2.9683	35.86	0.36
651	Shell-Thick	SLE-RARA	15.6026	3.0999	35.36	0.36
651	Shell-Thick	SLE-RARA	10.2683	1.7303	35.36	1.22
651	Shell-Thick	SLE-RARA	11.2311	1.7244	35.86	1.22
651	Shell-Thick	SLE-FREQ.	15.4585	2.7716	33.90	0.25
651	Shell-Thick	SLE-FREQ.	14.5652	2.8751	33.48	0.25
651	Shell-Thick	SLE-FREQ.	9.5173	1.5704	33.48	0.98
651	Shell-Thick	SLE-FREQ.	10.3957	1.5669	33.90	0.98
651	Shell-Thick	SLE-QP	12.0819	2.1813	28.02	-6.939E-02
651	Shell-Thick	SLE-QP	11.4531	2.2009	27.84	-6.939E-02
651	Shell-Thick	SLE-QP	7.2642	1.0908	27.84	0.25
651	Shell-Thick	SLE-QP	7.8896	1.0944	28.02	0.25
652	Shell-Thick	SLU-STATICA	20.9869	3.8308	47.53	0.98
652	Shell-Thick	SLU-STATICA	19.5919	4.0851	46.57	0.98
652	Shell-Thick	SLU-STATICA	12.5463	1.9972	46.57	2.63
652	Shell-Thick	SLU-STATICA	13.9124	1.9374	47.53	2.63
652	Shell-Thick	SLU-SISMICA	28.8282	5.2462	59.85	2.23
652	Shell-Thick	SLU-SISMICA	26.6744	5.8019	58.06	2.23
652	Shell-Thick	SLU-SISMICA	17.8630	3.2451	58.06	5.32
652	Shell-Thick	SLU-SISMICA	19.9495	3.1441	59.85	5.32
652	Shell-Thick	SLE-RARA	15.5118	2.8322	35.40	0.68
652	Shell-Thick	SLE-RARA	14.4926	3.0099	34.72	0.68
652	Shell-Thick	SLE-RARA	9.2419	1.4511	34.72	1.86
652	Shell-Thick	SLE-RARA	10.2411	1.4079	35.40	1.86
652	Shell-Thick	SLE-FREQ.	14.4850	2.6461	33.52	0.56
652	Shell-Thick	SLE-FREQ.	13.5532	2.7946	32.92	0.56
652	Shell-Thick	SLE-FREQ.	8.5771	1.3128	32.92	1.60
652	Shell-Thick	SLE-FREQ.	9.4925	1.2741	33.52	1.60
652	Shell-Thick	SLE-QP	11.4044	2.0876	27.87	0.20
652	Shell-Thick	SLE-QP	10.7351	2.1487	27.52	0.20
652	Shell-Thick	SLE-QP	6.5827	0.8978	27.52	0.80
652	Shell-Thick	SLE-QP	7.2466	0.8724	27.87	0.80
653	Shell-Thick	SLU-STATICA	19.4346	3.3648	46.59	1.45
653	Shell-Thick	SLU-STATICA	17.9940	3.6586	45.35	1.45
653	Shell-Thick	SLU-STATICA	11.1079	1.9752	45.35	3.58
653	Shell-Thick	SLU-STATICA	12.5261	1.8307	46.59	3.58
653	Shell-Thick	SLU-SISMICA	26.4131	4.5558	58.06	2.76
653	Shell-Thick	SLU-SISMICA	24.2363	5.1406	55.97	2.76
653	Shell-Thick	SLU-SISMICA	15.7094	3.2314	55.97	6.37
653	Shell-Thick	SLU-SISMICA	17.8304	3.0213	58.06	6.37
653	Shell-Thick	SLE-RARA	14.3786	2.4903	34.73	1.04
653	Shell-Thick	SLE-RARA	13.3237	2.6984	33.84	1.04
653	Shell-Thick	SLE-RARA	8.1876	1.4341	33.84	2.58
653	Shell-Thick	SLE-RARA	9.2272	1.3279	34.73	2.58
653	Shell-Thick	SLE-FREQ.	13.4506	2.3311	32.93	0.90
653	Shell-Thick	SLE-FREQ.	12.4822	2.5101	32.13	0.90
653	Shell-Thick	SLE-FREQ.	7.6076	1.2955	32.13	2.28
653	Shell-Thick	SLE-FREQ.	8.5638	1.1973	32.93	2.28
653	Shell-Thick	SLE-QP	10.6666	1.8532	27.53	0.50
653	Shell-Thick	SLE-QP	9.9577	1.9452	27.01	0.50
653	Shell-Thick	SLE-QP	5.8675	0.8797	27.01	1.41

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653	Shell-Thick	SLE-QP	6.5736	0.8056	27.53	1.41
654	Shell-Thick	SLU-STATICA	17.8031	3.1611	45.46	1.99
654	Shell-Thick	SLU-STATICA	16.3443	3.5373	43.92	1.99
654	Shell-Thick	SLU-STATICA	9.6522	1.6034	43.92	4.64
654	Shell-Thick	SLU-STATICA	11.0847	1.4021	45.46	4.64
654	Shell-Thick	SLU-SISMICA	23.9383	4.2771	56.11	3.36
654	Shell-Thick	SLU-SISMICA	21.7787	4.9485	53.70	3.36
654	Shell-Thick	SLU-SISMICA	13.5704	2.6896	53.70	7.53
654	Shell-Thick	SLU-SISMICA	15.6710	2.4132	56.11	7.53
654	Shell-Thick	SLE-RARA	13.1844	2.3397	33.91	1.44
654	Shell-Thick	SLE-RARA	12.1139	2.6101	32.79	1.44
654	Shell-Thick	SLE-RARA	7.1186	1.1608	32.79	3.37
654	Shell-Thick	SLE-RARA	8.1708	1.0121	33.91	3.37
654	Shell-Thick	SLE-FREQ.	12.3551	2.1903	32.20	1.29
654	Shell-Thick	SLE-FREQ.	11.3686	2.4297	31.18	1.29
654	Shell-Thick	SLE-FREQ.	6.6211	1.0429	31.18	3.05
654	Shell-Thick	SLE-FREQ.	7.5924	0.9040	32.20	3.05
654	Shell-Thick	SLE-QP	9.8673	1.7421	27.07	0.85
654	Shell-Thick	SLE-QP	9.1328	1.8888	26.35	0.85
654	Shell-Thick	SLE-QP	5.1285	0.6893	26.35	2.09
654	Shell-Thick	SLE-QP	5.8573	0.5799	27.07	2.09
655	Shell-Thick	SLU-STATICA	16.1327	2.7011	43.97	2.57
655	Shell-Thick	SLU-STATICA	14.8350	3.0699	42.36	2.57
655	Shell-Thick	SLU-STATICA	8.3622	1.6504	42.36	5.74
655	Shell-Thick	SLU-STATICA	9.6528	1.3848	43.97	5.74
655	Shell-Thick	SLU-SISMICA	21.4620	3.6132	53.75	3.99
655	Shell-Thick	SLU-SISMICA	19.5801	4.2467	51.35	3.99
655	Shell-Thick	SLU-SISMICA	11.7055	2.7659	51.35	8.72
655	Shell-Thick	SLU-SISMICA	13.5680	2.4292	53.75	8.72
655	Shell-Thick	SLE-RARA	11.9588	2.0013	32.83	1.87
655	Shell-Thick	SLE-RARA	11.0046	2.2675	31.65	1.87
655	Shell-Thick	SLE-RARA	6.1697	1.1950	31.65	4.20
655	Shell-Thick	SLE-RARA	7.1192	0.9973	32.83	4.20
655	Shell-Thick	SLE-FREQ.	11.2260	1.8770	31.22	1.71
655	Shell-Thick	SLE-FREQ.	10.3433	2.1149	30.13	1.71
655	Shell-Thick	SLE-FREQ.	5.7429	1.0738	30.13	3.86
655	Shell-Thick	SLE-FREQ.	6.6220	0.8868	31.22	3.86
655	Shell-Thick	SLE-QP	9.0275	1.5041	26.38	1.22
655	Shell-Thick	SLE-QP	8.3594	1.6571	25.57	1.22
655	Shell-Thick	SLE-QP	4.4622	0.7104	25.57	2.81
655	Shell-Thick	SLE-QP	5.1301	0.5556	26.38	2.81
656	Shell-Thick	SLU-STATICA	22.0050	3.1014	20.22	-8.53
656	Shell-Thick	SLU-STATICA	22.5160	2.3900	22.06	-8.53
656	Shell-Thick	SLU-STATICA	19.3680	-0.2219	22.06	-11.71
656	Shell-Thick	SLU-STATICA	18.8084	0.8274	20.22	-11.71
656	Shell-Thick	SLU-SISMICA	37.6455	4.8986	34.10	-13.91
656	Shell-Thick	SLU-SISMICA	38.3703	3.7746	37.12	-13.91
656	Shell-Thick	SLU-SISMICA	33.0723	-0.8941	37.12	-19.13
656	Shell-Thick	SLU-SISMICA	32.2570	0.8565	34.10	-19.13
656	Shell-Thick	SLE-RARA	15.8947	2.2605	14.63	-6.19
656	Shell-Thick	SLE-RARA	16.2713	1.7420	15.97	-6.19
656	Shell-Thick	SLE-RARA	13.9931	-0.1346	15.97	-8.50
656	Shell-Thick	SLE-RARA	13.5818	0.6255	14.63	-8.50
656	Shell-Thick	SLE-FREQ.	14.2175	2.0571	13.13	-5.60
656	Shell-Thick	SLE-FREQ.	14.5672	1.5852	14.34	-5.60
656	Shell-Thick	SLE-FREQ.	12.5218	-0.0761	14.34	-7.69
656	Shell-Thick	SLE-FREQ.	12.1417	0.6077	13.13	-7.69
656	Shell-Thick	SLE-QP	9.1857	1.4468	8.63	-3.81
656	Shell-Thick	SLE-QP	9.4548	1.1150	9.44	-3.81
656	Shell-Thick	SLE-QP	8.1081	0.0996	9.44	-5.23
656	Shell-Thick	SLE-QP	7.8214	0.5543	8.63	-5.23
657	Shell-Thick	SLU-STATICA	22.8900	3.3703	21.86	-7.72
657	Shell-Thick	SLU-STATICA	22.9979	2.5146	23.55	-7.72
657	Shell-Thick	SLU-STATICA	19.5832	0.5511	23.55	-10.64
657	Shell-Thick	SLU-STATICA	19.4928	1.2919	21.86	-10.64
657	Shell-Thick	SLU-SISMICA	38.9896	5.3763	36.77	-12.15
657	Shell-Thick	SLU-SISMICA	39.0182	4.0306	39.53	-12.15
657	Shell-Thick	SLU-SISMICA	33.2817	0.4469	39.53	-16.92
657	Shell-Thick	SLU-SISMICA	33.2781	1.6294	36.77	-16.92

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657	Shell-Thick	SLE-RARA	16.5425	2.4539	15.82	-5.63
657	Shell-Thick	SLE-RARA	16.6282	1.8298	17.04	-5.63
657	Shell-Thick	SLE-RARA	14.1564	0.4228	17.04	-7.75
657	Shell-Thick	SLE-RARA	14.0836	0.9621	15.82	-7.75
657	Shell-Thick	SLE-FREQ.	14.8115	2.2285	14.20	-5.12
657	Shell-Thick	SLE-FREQ.	14.9017	1.6601	15.31	-5.12
657	Shell-Thick	SLE-FREQ.	12.6816	0.4209	15.31	-7.04
657	Shell-Thick	SLE-FREQ.	12.6035	0.9107	14.20	-7.04
657	Shell-Thick	SLE-QP	9.6187	1.5524	9.35	-3.61
657	Shell-Thick	SLE-QP	9.7220	1.1510	10.11	-3.61
657	Shell-Thick	SLE-QP	8.2572	0.4153	10.11	-4.92
657	Shell-Thick	SLE-QP	8.1630	0.7563	9.35	-4.92
658	Shell-Thick	SLU-STATICA	23.3449	3.5899	23.39	-7.09
658	Shell-Thick	SLU-STATICA	23.8594	2.9883	24.96	-7.09
658	Shell-Thick	SLU-STATICA	20.2509	0.9175	24.96	-9.80
658	Shell-Thick	SLU-STATICA	19.6981	1.7852	23.39	-9.80
658	Shell-Thick	SLU-SISMICA	39.5819	5.7004	39.26	-10.78
658	Shell-Thick	SLU-SISMICA	40.3559	4.8438	41.73	-10.78
658	Shell-Thick	SLU-SISMICA	34.3183	1.1333	41.73	-15.05
658	Shell-Thick	SLU-SISMICA	33.4673	2.5236	39.26	-15.05
658	Shell-Thick	SLE-RARA	16.8803	2.6151	16.93	-5.19
658	Shell-Thick	SLE-RARA	17.2572	2.1719	18.08	-5.19
658	Shell-Thick	SLE-RARA	14.6440	0.6844	18.08	-7.17
658	Shell-Thick	SLE-RARA	14.2400	1.3159	16.93	-7.17
658	Shell-Thick	SLE-FREQ.	15.1297	2.3771	15.21	-4.75
658	Shell-Thick	SLE-FREQ.	15.4760	1.9658	16.26	-4.75
658	Shell-Thick	SLE-FREQ.	13.1268	0.6498	16.26	-6.56
658	Shell-Thick	SLE-FREQ.	12.7573	1.2228	15.21	-6.56
658	Shell-Thick	SLE-QP	9.8780	1.6634	10.05	-3.46
658	Shell-Thick	SLE-QP	10.1324	1.3477	10.78	-3.46
658	Shell-Thick	SLE-QP	8.5754	0.5460	10.78	-4.74
658	Shell-Thick	SLE-QP	8.3093	0.9434	10.05	-4.74
659	Shell-Thick	SLU-STATICA	24.1748	4.0620	24.85	-6.59
659	Shell-Thick	SLU-STATICA	24.3392	3.2907	26.37	-6.59
659	Shell-Thick	SLU-STATICA	20.4843	1.2861	26.37	-9.23
659	Shell-Thick	SLU-STATICA	20.3449	1.8907	24.85	-9.23
659	Shell-Thick	SLU-SISMICA	40.8548	6.5351	41.54	-9.66
659	Shell-Thick	SLU-SISMICA	41.0155	5.4109	43.87	-9.66
659	Shell-Thick	SLU-SISMICA	34.5909	1.7521	43.87	-13.69
659	Shell-Thick	SLU-SISMICA	34.4630	2.6595	41.54	-13.69
659	Shell-Thick	SLE-RARA	17.4871	2.9547	18.00	-4.84
659	Shell-Thick	SLE-RARA	17.6118	2.3879	19.11	-4.84
659	Shell-Thick	SLE-RARA	14.8189	0.9513	19.11	-6.77
659	Shell-Thick	SLE-RARA	14.7127	1.3943	18.00	-6.77
659	Shell-Thick	SLE-FREQ.	15.6851	2.6786	16.18	-4.47
659	Shell-Thick	SLE-FREQ.	15.8071	2.1548	17.20	-4.47
659	Shell-Thick	SLE-FREQ.	13.2942	0.8895	17.20	-6.23
659	Shell-Thick	SLE-FREQ.	13.1897	1.2968	16.18	-6.23
659	Shell-Thick	SLE-QP	10.2793	1.8503	10.73	-3.35
659	Shell-Thick	SLE-QP	10.3930	1.4554	11.47	-3.35
659	Shell-Thick	SLE-QP	8.7202	0.7042	11.47	-4.63
659	Shell-Thick	SLE-QP	8.6207	1.0041	10.73	-4.63
660	Shell-Thick	SLU-STATICA	24.6319	4.0356	26.20	-6.19
660	Shell-Thick	SLU-STATICA	25.0466	3.4975	27.64	-6.19
660	Shell-Thick	SLU-STATICA	21.0230	1.7148	27.64	-8.67
660	Shell-Thick	SLU-STATICA	20.5772	2.4695	26.20	-8.67
660	Shell-Thick	SLU-SISMICA	41.4652	6.4127	43.58	-8.75
660	Shell-Thick	SLU-SISMICA	42.0785	5.7317	45.69	-8.75
660	Shell-Thick	SLU-SISMICA	35.4157	2.5537	45.69	-12.39
660	Shell-Thick	SLU-SISMICA	34.7335	3.7122	43.58	-12.39
660	Shell-Thick	SLE-RARA	17.8258	2.9395	18.99	-4.57
660	Shell-Thick	SLE-RARA	18.1302	2.5388	20.04	-4.57
660	Shell-Thick	SLE-RARA	15.2128	1.2576	20.04	-6.38
660	Shell-Thick	SLE-RARA	14.8868	1.8093	18.99	-6.38
660	Shell-Thick	SLE-FREQ.	16.0029	2.6717	17.09	-4.24
660	Shell-Thick	SLE-FREQ.	16.2834	2.2926	18.06	-4.24
660	Shell-Thick	SLE-FREQ.	13.6549	1.1576	18.06	-5.92
660	Shell-Thick	SLE-FREQ.	13.3564	1.6626	17.09	-5.92
660	Shell-Thick	SLE-QP	10.5342	1.8682	11.40	-3.27

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660	Shell-Thick	SLE-QP	10.7433	1.5540	12.13	-3.27
660	Shell-Thick	SLE-QP	8.9812	0.8578	12.13	-4.53
660	Shell-Thick	SLE-QP	8.7651	1.2224	11.40	-4.53
661	Shell-Thick	SLU-STATICA	25.3207	4.5526	27.56	-5.87
661	Shell-Thick	SLU-STATICA	25.4315	3.8486	28.95	-5.87
661	Shell-Thick	SLU-STATICA	21.1786	1.8622	28.95	-8.26
661	Shell-Thick	SLU-STATICA	21.0945	2.3878	27.56	-8.26
661	Shell-Thick	SLU-SISMICA	42.4884	7.3258	45.58	-7.99
661	Shell-Thick	SLU-SISMICA	42.5706	6.3814	47.55	-7.99
661	Shell-Thick	SLU-SISMICA	35.5689	2.7733	47.55	-11.39
661	Shell-Thick	SLU-SISMICA	35.5170	3.5155	45.58	-11.39
661	Shell-Thick	SLE-RARA	18.3311	3.3115	19.99	-4.34
661	Shell-Thick	SLE-RARA	18.4165	2.7900	21.01	-4.34
661	Shell-Thick	SLE-RARA	15.3309	1.3657	21.01	-6.11
661	Shell-Thick	SLE-RARA	15.2655	1.7531	19.99	-6.11
661	Shell-Thick	SLE-FREQ.	16.4682	3.0020	18.01	-4.06
661	Shell-Thick	SLE-FREQ.	16.5539	2.5131	18.96	-4.06
661	Shell-Thick	SLE-FREQ.	13.7703	1.2572	18.96	-5.70
661	Shell-Thick	SLE-FREQ.	13.7039	1.6172	18.01	-5.70
661	Shell-Thick	SLE-QP	10.8797	2.0733	12.09	-3.22
661	Shell-Thick	SLE-QP	10.9661	1.6823	12.82	-3.22
661	Shell-Thick	SLE-QP	9.0884	0.9315	12.82	-4.48
661	Shell-Thick	SLE-QP	9.0189	1.2096	12.09	-4.48
662	Shell-Thick	SLU-STATICA	25.6835	4.3926	28.78	-5.59
662	Shell-Thick	SLU-STATICA	25.9691	3.8986	30.10	-5.59
662	Shell-Thick	SLU-STATICA	21.5651	2.2748	30.10	-7.86
662	Shell-Thick	SLU-STATICA	21.2533	2.9516	28.78	-7.86
662	Shell-Thick	SLU-SISMICA	42.9339	6.9659	47.26	-7.33
662	Shell-Thick	SLU-SISMICA	43.3241	6.4164	49.05	-7.33
662	Shell-Thick	SLU-SISMICA	36.1311	3.5473	49.05	-10.43
662	Shell-Thick	SLU-SISMICA	35.6764	4.5430	47.26	-10.43
662	Shell-Thick	SLE-RARA	18.6019	3.2002	20.89	-4.15
662	Shell-Thick	SLE-RARA	18.8131	2.8287	21.86	-4.15
662	Shell-Thick	SLE-RARA	15.6150	1.6603	21.86	-5.83
662	Shell-Thick	SLE-RARA	15.3858	2.1573	20.89	-5.83
662	Shell-Thick	SLE-FREQ.	16.7256	2.9098	18.86	-3.91
662	Shell-Thick	SLE-FREQ.	16.9230	2.5520	19.76	-3.91
662	Shell-Thick	SLE-FREQ.	14.0329	1.5147	19.76	-5.48
662	Shell-Thick	SLE-FREQ.	13.8211	1.9733	18.86	-5.48
662	Shell-Thick	SLE-QP	11.0966	2.0387	12.75	-3.17
662	Shell-Thick	SLE-QP	11.2527	1.7221	13.47	-3.17
662	Shell-Thick	SLE-QP	9.2867	1.0782	13.47	-4.41
662	Shell-Thick	SLE-QP	9.1271	1.4214	12.75	-4.41
663	Shell-Thick	SLU-STATICA	26.2097	4.8863	30.05	-5.36
663	Shell-Thick	SLU-STATICA	26.2303	4.2403	31.32	-5.36
663	Shell-Thick	SLU-STATICA	21.6142	2.2788	31.32	-7.56
663	Shell-Thick	SLU-STATICA	21.6186	2.7571	30.05	-7.56
663	Shell-Thick	SLU-SISMICA	43.6616	7.8334	48.98	-6.77
663	Shell-Thick	SLU-SISMICA	43.5937	7.0435	50.65	-6.77
663	Shell-Thick	SLU-SISMICA	36.1078	3.5159	50.65	-9.65
663	Shell-Thick	SLU-SISMICA	36.1985	4.1548	48.98	-9.65
663	Shell-Thick	SLE-RARA	18.9905	3.5557	21.82	-3.99
663	Shell-Thick	SLE-RARA	19.0106	3.0734	22.77	-3.99
663	Shell-Thick	SLE-RARA	15.6558	1.6651	22.77	-5.62
663	Shell-Thick	SLE-RARA	15.6548	2.0195	21.82	-5.62
663	Shell-Thick	SLE-FREQ.	17.0881	3.2258	19.73	-3.78
663	Shell-Thick	SLE-FREQ.	17.1149	2.7673	20.62	-3.78
663	Shell-Thick	SLE-FREQ.	14.0786	1.5224	20.62	-5.31
663	Shell-Thick	SLE-FREQ.	14.0706	1.8549	19.73	-5.31
663	Shell-Thick	SLE-QP	11.3807	2.2362	13.45	-3.14
663	Shell-Thick	SLE-QP	11.4279	1.8488	14.17	-3.14
663	Shell-Thick	SLE-QP	9.3473	1.0942	14.17	-4.38
663	Shell-Thick	SLE-QP	9.3181	1.3609	13.45	-4.38
664	Shell-Thick	SLU-STATICA	26.4503	4.6488	31.16	-5.15
664	Shell-Thick	SLU-STATICA	26.5986	4.1900	32.37	-5.15
664	Shell-Thick	SLU-STATICA	21.8443	2.6442	32.37	-7.25
664	Shell-Thick	SLU-STATICA	21.6729	3.2642	31.16	-7.25
664	Shell-Thick	SLU-SISMICA	43.8888	7.3442	50.37	-6.26
664	Shell-Thick	SLU-SISMICA	44.0379	6.9014	51.89	-6.26

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664	Shell-Thick	SLU-SISMICA	36.3973	4.2047	51.89	-8.88
664	Shell-Thick	SLU-SISMICA	36.1856	5.0796	50.37	-8.88
664	Shell-Thick	SLE-RARA	19.1735	3.3882	22.65	-3.85
664	Shell-Thick	SLE-RARA	19.2859	3.0399	23.55	-3.85
664	Shell-Thick	SLE-RARA	15.8272	1.9259	23.55	-5.41
664	Shell-Thick	SLE-RARA	15.6993	2.3829	22.65	-5.41
664	Shell-Thick	SLE-FREQ.	17.2677	3.0832	20.51	-3.66
664	Shell-Thick	SLE-FREQ.	17.3772	2.7421	21.37	-3.66
664	Shell-Thick	SLE-FREQ.	14.2410	1.7502	21.37	-5.14
664	Shell-Thick	SLE-FREQ.	14.1196	2.1750	20.51	-5.14
664	Shell-Thick	SLE-QP	11.5501	2.1680	14.10	-3.10
664	Shell-Thick	SLE-QP	11.6511	1.8487	14.81	-3.10
664	Shell-Thick	SLE-QP	9.4823	1.2230	14.81	-4.34
664	Shell-Thick	SLE-QP	9.3803	1.5511	14.10	-4.34
665	Shell-Thick	SLU-STATICA	26.8110	5.0910	32.33	-4.97
665	Shell-Thick	SLU-STATICA	26.7279	4.4987	33.50	-4.97
665	Shell-Thick	SLU-STATICA	21.7782	2.5498	33.50	-6.99
665	Shell-Thick	SLU-STATICA	21.8829	2.9984	32.33	-6.99
665	Shell-Thick	SLU-SISMICA	44.3155	8.1137	51.85	-5.82
665	Shell-Thick	SLU-SISMICA	44.0704	7.4614	53.25	-5.82
665	Shell-Thick	SLU-SISMICA	36.1799	4.0103	53.25	-8.24
665	Shell-Thick	SLU-SISMICA	36.4375	4.5812	51.85	-8.24
665	Shell-Thick	SLE-RARA	19.4436	3.7070	23.53	-3.72
665	Shell-Thick	SLE-RARA	19.3886	3.2613	24.40	-3.72
665	Shell-Thick	SLE-RARA	15.7847	1.8593	24.40	-5.24
665	Shell-Thick	SLE-RARA	15.8564	2.1931	23.53	-5.24
665	Shell-Thick	SLE-FREQ.	17.5257	3.3672	21.34	-3.56
665	Shell-Thick	SLE-FREQ.	17.4854	2.9374	22.18	-3.56
665	Shell-Thick	SLE-FREQ.	14.2119	1.6934	22.18	-5.01
665	Shell-Thick	SLE-FREQ.	14.2693	2.0090	21.34	-5.01
665	Shell-Thick	SLE-QP	11.7718	2.3478	14.79	-3.08
665	Shell-Thick	SLE-QP	11.7755	1.9657	15.50	-3.08
665	Shell-Thick	SLE-QP	9.4937	1.1958	15.50	-4.31
665	Shell-Thick	SLE-QP	9.5081	1.4565	14.79	-4.31
666	Shell-Thick	SLU-STATICA	26.9213	4.8072	33.35	-4.79
666	Shell-Thick	SLU-STATICA	26.9320	4.3804	34.46	-4.79
666	Shell-Thick	SLU-STATICA	21.8552	2.8581	34.46	-6.72
666	Shell-Thick	SLU-STATICA	21.8232	3.4332	33.35	-6.72
666	Shell-Thick	SLU-SISMICA	44.3097	7.5561	52.99	-5.40
666	Shell-Thick	SLU-SISMICA	44.2180	7.2061	54.26	-5.40
666	Shell-Thick	SLU-SISMICA	36.2030	4.5942	54.26	-7.59
666	Shell-Thick	SLU-SISMICA	36.2323	5.3742	52.99	-7.59
666	Shell-Thick	SLE-RARA	19.5329	3.5056	24.29	-3.60
666	Shell-Thick	SLE-RARA	19.5462	3.1784	25.13	-3.60
666	Shell-Thick	SLE-RARA	15.8456	2.0792	25.13	-5.05
666	Shell-Thick	SLE-RARA	15.8184	2.5048	24.29	-5.05
666	Shell-Thick	SLE-FREQ.	17.6223	3.1933	22.08	-3.46
666	Shell-Thick	SLE-FREQ.	17.6437	2.8678	22.88	-3.46
666	Shell-Thick	SLE-FREQ.	14.2758	1.8853	22.88	-4.85
666	Shell-Thick	SLE-FREQ.	14.2442	2.2835	22.08	-4.85
666	Shell-Thick	SLE-QP	11.8905	2.2563	15.44	-3.05
666	Shell-Thick	SLE-QP	11.9361	1.9361	16.14	-3.05
666	Shell-Thick	SLE-QP	9.5664	1.3035	16.14	-4.27
666	Shell-Thick	SLE-QP	9.5216	1.6197	15.44	-4.27
667	Shell-Thick	SLU-STATICA	27.1199	5.1872	34.43	-4.63
667	Shell-Thick	SLU-STATICA	26.9287	4.6473	35.51	-4.63
667	Shell-Thick	SLU-STATICA	21.6732	2.6934	35.51	-6.49
667	Shell-Thick	SLU-STATICA	21.8813	3.1212	34.43	-6.49
667	Shell-Thick	SLU-SISMICA	44.4444	8.2081	54.23	-5.02
667	Shell-Thick	SLU-SISMICA	44.0147	7.6821	55.39	-5.02
667	Shell-Thick	SLU-SISMICA	35.7903	4.2925	55.39	-7.03
667	Shell-Thick	SLU-SISMICA	36.2211	4.8145	54.23	-7.03
667	Shell-Thick	SLE-RARA	19.6866	3.7801	25.11	-3.49
667	Shell-Thick	SLE-RARA	19.5536	3.3702	25.91	-3.49
667	Shell-Thick	SLE-RARA	15.7192	1.9612	25.91	-4.89
667	Shell-Thick	SLE-RARA	15.8658	2.2806	25.11	-4.89
667	Shell-Thick	SLE-FREQ.	17.7775	3.4386	22.86	-3.37
667	Shell-Thick	SLE-FREQ.	17.6674	3.0377	23.64	-3.37
667	Shell-Thick	SLE-FREQ.	14.1715	1.7814	23.64	-4.73

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667	Shell-Thick	SLE-FREQ.	14.2962	2.0852	22.86	-4.73
667	Shell-Thick	SLE-QP	12.0500	2.4142	16.12	-3.02
667	Shell-Thick	SLE-QP	12.0086	2.0402	16.82	-3.02
667	Shell-Thick	SLE-QP	9.5283	1.2421	16.82	-4.23
667	Shell-Thick	SLE-QP	9.5872	1.4991	16.12	-4.23
668	Shell-Thick	SLU-STATICA	27.0988	4.8750	35.36	-4.47
668	Shell-Thick	SLU-STATICA	26.9746	4.4802	36.38	-4.47
668	Shell-Thick	SLU-STATICA	21.6022	2.9439	36.38	-6.23
668	Shell-Thick	SLU-STATICA	21.7061	3.4802	35.36	-6.23
668	Shell-Thick	SLU-SISMICA	44.2063	7.6169	55.15	-4.64
668	Shell-Thick	SLU-SISMICA	43.8818	7.3518	56.20	-4.64
668	Shell-Thick	SLU-SISMICA	35.5598	4.7698	56.20	-6.45
668	Shell-Thick	SLU-SISMICA	35.8211	5.4697	55.15	-6.45
668	Shell-Thick	SLE-RARA	19.6814	3.5573	25.81	-3.38
668	Shell-Thick	SLE-RARA	19.5973	3.2518	26.58	-3.38
668	Shell-Thick	SLE-RARA	15.6734	2.1397	26.58	-4.71
668	Shell-Thick	SLE-RARA	15.7443	2.5379	25.81	-4.71
668	Shell-Thick	SLE-FREQ.	17.7902	3.2443	23.55	-3.28
668	Shell-Thick	SLE-FREQ.	17.7246	2.9356	24.30	-3.28
668	Shell-Thick	SLE-FREQ.	14.1399	1.9369	24.30	-4.58
668	Shell-Thick	SLE-FREQ.	14.1961	2.3119	23.55	-4.58
668	Shell-Thick	SLE-QP	12.1167	2.3051	16.76	-2.99
668	Shell-Thick	SLE-QP	12.1067	1.9871	17.45	-2.99
668	Shell-Thick	SLE-QP	9.5394	1.3285	17.45	-4.18
668	Shell-Thick	SLE-QP	9.5515	1.6336	16.76	-4.18
669	Shell-Thick	SLU-STATICA	27.1399	5.1897	36.36	-4.31
669	Shell-Thick	SLU-STATICA	26.8401	4.7028	37.33	-4.31
669	Shell-Thick	SLU-STATICA	21.3061	2.7275	37.33	-6.00
669	Shell-Thick	SLU-STATICA	21.6176	3.1376	36.36	-6.00
669	Shell-Thick	SLU-SISMICA	44.0629	8.1471	56.17	-4.30
669	Shell-Thick	SLU-SISMICA	43.4500	7.7398	57.11	-4.30
669	Shell-Thick	SLU-SISMICA	34.9571	4.3967	57.11	-5.93
669	Shell-Thick	SLU-SISMICA	35.5595	4.8787	56.17	-5.93
669	Shell-Thick	SLE-RARA	19.7217	3.7851	26.56	-3.27
669	Shell-Thick	SLE-RARA	19.5102	3.4122	27.30	-3.27
669	Shell-Thick	SLE-RARA	15.4643	1.9835	27.30	-4.55
669	Shell-Thick	SLE-RARA	15.6858	2.2907	26.56	-4.55
669	Shell-Thick	SLE-FREQ.	17.8447	3.4487	24.28	-3.19
669	Shell-Thick	SLE-FREQ.	17.6641	3.0785	25.00	-3.19
669	Shell-Thick	SLE-FREQ.	13.9612	1.7974	25.00	-4.44
669	Shell-Thick	SLE-FREQ.	14.1533	2.0911	24.28	-4.44
669	Shell-Thick	SLE-QP	12.2136	2.4396	17.43	-2.95
669	Shell-Thick	SLE-QP	12.1259	2.0773	18.11	-2.95
669	Shell-Thick	SLE-QP	9.4517	1.2392	18.11	-4.12
669	Shell-Thick	SLE-QP	9.5557	1.4924	17.43	-4.12
670	Shell-Thick	SLU-STATICA	26.9882	4.8592	37.20	-4.15
670	Shell-Thick	SLU-STATICA	26.7323	4.4990	38.12	-4.15
670	Shell-Thick	SLU-STATICA	21.0924	2.9229	38.12	-5.74
670	Shell-Thick	SLU-STATICA	21.3283	3.4224	37.20	-5.74
670	Shell-Thick	SLU-SISMICA	43.5990	7.5420	56.89	-3.95
670	Shell-Thick	SLU-SISMICA	43.0527	7.3580	57.71	-3.95
670	Shell-Thick	SLU-SISMICA	34.4875	4.7737	57.71	-5.38
670	Shell-Thick	SLU-SISMICA	34.9693	5.4008	56.89	-5.38
670	Shell-Thick	SLE-RARA	19.6223	3.5484	27.20	-3.15
670	Shell-Thick	SLE-RARA	19.4429	3.2666	27.91	-3.15
670	Shell-Thick	SLE-RARA	15.3151	2.1226	27.91	-4.36
670	Shell-Thick	SLE-RARA	15.4816	2.4947	27.20	-4.36
670	Shell-Thick	SLE-FREQ.	17.7734	3.2404	24.91	-3.09
670	Shell-Thick	SLE-FREQ.	17.6223	2.9511	25.61	-3.09
670	Shell-Thick	SLE-FREQ.	13.8367	1.9182	25.61	-4.29
670	Shell-Thick	SLE-FREQ.	13.9788	2.2706	24.91	-4.29
670	Shell-Thick	SLE-QP	12.2267	2.3165	18.05	-2.91
670	Shell-Thick	SLE-QP	12.1605	2.0046	18.71	-2.91
670	Shell-Thick	SLE-QP	9.4013	1.3049	18.71	-4.05
670	Shell-Thick	SLE-QP	9.4706	1.5983	18.05	-4.05
671	Shell-Thick	SLU-STATICA	26.8756	5.1089	38.09	-3.98
671	Shell-Thick	SLU-STATICA	26.4674	4.6772	38.96	-3.98
671	Shell-Thick	SLU-STATICA	20.6840	2.6681	38.96	-5.48
671	Shell-Thick	SLU-STATICA	21.0985	3.0597	38.09	-5.48



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671	Shell-Thick	SLU-SISMICA	43.1921	7.9539	57.68	-3.61
671	Shell-Thick	SLU-SISMICA	42.4009	7.6599	58.41	-3.61
671	Shell-Thick	SLU-SISMICA	33.7024	4.3540	58.41	-4.86
671	Shell-Thick	SLU-SISMICA	34.4720	4.7972	57.68	-4.86
671	Shell-Thick	SLE-RARA	19.5517	3.7295	27.89	-3.04
671	Shell-Thick	SLE-RARA	19.2615	3.3955	28.55	-3.04
671	Shell-Thick	SLE-RARA	15.0245	1.9377	28.55	-4.19
671	Shell-Thick	SLE-RARA	15.3208	2.2319	27.89	-4.19
671	Shell-Thick	SLE-FREQ.	17.7287	3.4037	25.59	-2.99
671	Shell-Thick	SLE-FREQ.	17.4771	3.0667	26.25	-2.99
671	Shell-Thick	SLE-FREQ.	13.5842	1.7514	26.25	-4.13
671	Shell-Thick	SLE-FREQ.	13.8440	2.0341	25.59	-4.13
671	Shell-Thick	SLE-QP	12.2598	2.4265	18.69	-2.86
671	Shell-Thick	SLE-QP	12.1241	2.0801	19.34	-2.86
671	Shell-Thick	SLE-QP	9.2632	1.1924	19.34	-3.98
671	Shell-Thick	SLE-QP	9.4135	1.4406	18.69	-3.98
672	Shell-Thick	SLU-STATICA	26.5938	4.7663	38.83	-3.80
672	Shell-Thick	SLU-STATICA	26.2089	4.4446	39.64	-3.80
672	Shell-Thick	SLU-STATICA	20.3320	2.8126	39.64	-5.20
672	Shell-Thick	SLU-STATICA	20.6967	3.2742	38.83	-5.20
672	Shell-Thick	SLU-SISMICA	42.5101	7.3458	58.20	-3.27
672	Shell-Thick	SLU-SISMICA	41.7539	7.2418	58.81	-3.27
672	Shell-Thick	SLU-SISMICA	33.0085	4.6405	58.81	-4.32
672	Shell-Thick	SLU-SISMICA	33.6988	5.1965	58.20	-4.32
672	Shell-Thick	SLE-RARA	19.3581	3.4831	28.46	-2.91
672	Shell-Thick	SLE-RARA	19.0850	3.2285	29.08	-2.91
672	Shell-Thick	SLE-RARA	14.7747	2.0402	29.08	-3.98
672	Shell-Thick	SLE-RARA	15.0349	2.3852	28.46	-3.98
672	Shell-Thick	SLE-FREQ.	17.5728	3.1852	26.17	-2.88
672	Shell-Thick	SLE-FREQ.	17.3369	2.9190	26.79	-2.88
672	Shell-Thick	SLE-FREQ.	13.3686	1.8397	26.79	-3.96
672	Shell-Thick	SLE-FREQ.	13.5956	2.1684	26.17	-3.96
672	Shell-Thick	SLE-QP	12.2168	2.2916	19.29	-2.80
672	Shell-Thick	SLE-QP	12.0927	1.9906	19.91	-2.80
672	Shell-Thick	SLE-QP	9.1505	1.2381	19.91	-3.88
672	Shell-Thick	SLE-QP	9.2779	1.5180	19.29	-3.88
673	Shell-Thick	SLU-STATICA	26.3298	4.9530	39.62	-3.62
673	Shell-Thick	SLU-STATICA	25.8130	4.5797	40.37	-3.62
673	Shell-Thick	SLU-STATICA	19.8123	2.5291	40.37	-4.92
673	Shell-Thick	SLU-STATICA	20.3299	2.8986	39.62	-4.92
673	Shell-Thick	SLU-SISMICA	41.8534	7.6469	58.78	-2.93
673	Shell-Thick	SLU-SISMICA	40.8903	7.4630	59.28	-2.93
673	Shell-Thick	SLU-SISMICA	32.0489	4.1916	59.28	-3.79
673	Shell-Thick	SLU-SISMICA	32.9804	4.5926	58.78	-3.79
673	Shell-Thick	SLE-RARA	19.1776	3.6189	29.06	-2.78
673	Shell-Thick	SLE-RARA	18.8083	3.3265	29.64	-2.78
673	Shell-Thick	SLE-RARA	14.4028	1.8336	29.64	-3.78
673	Shell-Thick	SLE-RARA	14.7745	2.1120	29.06	-3.78
673	Shell-Thick	SLE-FREQ.	17.4290	3.3082	26.77	-2.77
673	Shell-Thick	SLE-FREQ.	17.1055	3.0076	27.36	-2.77
673	Shell-Thick	SLE-FREQ.	13.0421	1.6517	27.36	-3.78
673	Shell-Thick	SLE-FREQ.	13.3706	1.9207	26.77	-3.78
673	Shell-Thick	SLE-QP	12.1833	2.3764	19.90	-2.73
673	Shell-Thick	SLE-QP	11.9971	2.0507	20.50	-2.73
673	Shell-Thick	SLE-QP	8.9599	1.1062	20.50	-3.78
673	Shell-Thick	SLE-QP	9.1588	1.3468	19.90	-3.78
674	Shell-Thick	SLU-STATICA	25.9168	4.6017	40.25	-3.43
674	Shell-Thick	SLU-STATICA	25.4049	4.3234	40.93	-3.43
674	Shell-Thick	SLU-STATICA	19.3252	2.6275	40.93	-4.60
674	Shell-Thick	SLU-STATICA	19.8166	3.0476	40.25	-4.60
674	Shell-Thick	SLU-SISMICA	40.9609	7.0421	59.09	-2.58
674	Shell-Thick	SLU-SISMICA	40.0067	7.0183	59.47	-2.58
674	Shell-Thick	SLU-SISMICA	31.1450	4.3995	59.47	-3.24
674	Shell-Thick	SLU-SISMICA	32.0322	4.8818	59.09	-3.24
674	Shell-Thick	SLE-RARA	18.8886	3.3653	29.56	-2.64
674	Shell-Thick	SLE-RARA	18.5228	3.1417	30.09	-2.64
674	Shell-Thick	SLE-RARA	14.0545	1.9026	30.09	-3.56
674	Shell-Thick	SLE-RARA	14.4071	2.2179	29.56	-3.56
674	Shell-Thick	SLE-FREQ.	17.1865	3.0818	27.28	-2.64



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674	Shell-Thick	SLE-FREQ.	16.8661	2.8428	27.82	-2.64
674	Shell-Thick	SLE-FREQ.	12.7366	1.7101	27.82	-3.58
674	Shell-Thick	SLE-FREQ.	13.0480	2.0125	27.28	-3.58
674	Shell-Thick	SLE-QP	12.0804	2.2312	20.45	-2.66
674	Shell-Thick	SLE-QP	11.8960	1.9460	21.03	-2.66
674	Shell-Thick	SLE-QP	8.7829	1.1325	21.03	-3.65
674	Shell-Thick	SLE-QP	8.9707	1.3962	20.45	-3.65
675	Shell-Thick	SLU-STATICA	25.5022	4.7304	40.91	-3.23
675	Shell-Thick	SLU-STATICA	24.8736	4.4192	41.52	-3.23
675	Shell-Thick	SLU-STATICA	18.6920	2.3216	41.52	-4.28
675	Shell-Thick	SLU-STATICA	19.3164	2.6632	40.91	-4.28
675	Shell-Thick	SLU-SISMICA	40.0669	7.2454	59.45	-2.23
675	Shell-Thick	SLU-SISMICA	38.9355	7.1695	59.71	-2.23
675	Shell-Thick	SLU-SISMICA	30.0162	3.9335	59.71	-2.68
675	Shell-Thick	SLU-SISMICA	31.1074	4.2850	59.45	-2.68
675	Shell-Thick	SLE-RARA	18.5983	3.4591	30.07	-2.49
675	Shell-Thick	SLE-RARA	18.1471	3.2116	30.55	-2.49
675	Shell-Thick	SLE-RARA	13.5994	1.6788	30.55	-3.32
675	Shell-Thick	SLE-RARA	14.0493	1.9372	30.07	-3.32
675	Shell-Thick	SLE-FREQ.	16.9428	3.1671	27.81	-2.51
675	Shell-Thick	SLE-FREQ.	16.5440	2.9064	28.30	-2.51
675	Shell-Thick	SLE-FREQ.	12.3335	1.5050	28.30	-3.37
675	Shell-Thick	SLE-FREQ.	12.7339	1.7562	27.81	-3.37
675	Shell-Thick	SLE-QP	11.9763	2.2912	21.01	-2.57
675	Shell-Thick	SLE-QP	11.7348	1.9908	21.56	-2.57
675	Shell-Thick	SLE-QP	8.5356	0.9834	21.56	-3.52
675	Shell-Thick	SLE-QP	8.7877	1.2130	21.01	-3.52
676	Shell-Thick	SLU-STATICA	24.9549	4.3824	41.41	-3.00
676	Shell-Thick	SLU-STATICA	24.2849	4.1347	41.97	-3.00
676	Shell-Thick	SLU-STATICA	18.0415	2.3583	41.97	-3.92
676	Shell-Thick	SLU-STATICA	18.6872	2.7406	41.41	-3.92
676	Shell-Thick	SLU-SISMICA	38.9690	6.6598	59.55	-1.85
676	Shell-Thick	SLU-SISMICA	37.7692	6.6974	59.69	-1.85
676	Shell-Thick	SLU-SISMICA	28.8637	4.0563	59.69	-2.08
676	Shell-Thick	SLU-SISMICA	29.9845	4.4521	59.55	-2.08
676	Shell-Thick	SLE-RARA	18.2110	3.2072	30.48	-2.33
676	Shell-Thick	SLE-RARA	17.7298	3.0053	30.92	-2.33
676	Shell-Thick	SLE-RARA	13.1315	1.7023	30.92	-3.06
676	Shell-Thick	SLE-RARA	13.5971	1.9914	30.48	-3.06
676	Shell-Thick	SLE-FREQ.	16.6103	2.9410	28.24	-2.37
676	Shell-Thick	SLE-FREQ.	16.1845	2.7206	28.70	-2.37
676	Shell-Thick	SLE-FREQ.	11.9184	1.5208	28.70	-3.13
676	Shell-Thick	SLE-FREQ.	12.3334	1.8017	28.24	-3.13
676	Shell-Thick	SLE-QP	11.8082	2.1423	21.51	-2.48
676	Shell-Thick	SLE-QP	11.5486	1.8665	22.05	-2.48
676	Shell-Thick	SLE-QP	8.2789	0.9763	22.05	-3.36
676	Shell-Thick	SLE-QP	8.5424	1.2324	21.51	-3.36
677	Shell-Thick	SLU-STATICA	24.3840	4.3986	41.91	-2.60
677	Shell-Thick	SLU-STATICA	22.9061	3.9119	42.74	-2.60
677	Shell-Thick	SLU-STATICA	16.5749	1.8771	42.74	-3.34
677	Shell-Thick	SLU-STATICA	18.0033	2.3988	41.91	-3.34
677	Shell-Thick	SLU-SISMICA	37.8048	6.5827	59.60	-1.25
677	Shell-Thick	SLU-SISMICA	35.2102	6.4524	59.50	-1.25
677	Shell-Thick	SLU-SISMICA	26.3742	3.5343	59.50	-1.16
677	Shell-Thick	SLU-SISMICA	28.7563	3.8118	59.60	-1.16
677	Shell-Thick	SLE-RARA	17.8080	3.2242	30.88	-2.04
677	Shell-Thick	SLE-RARA	16.7437	2.8376	31.55	-2.04
677	Shell-Thick	SLE-RARA	12.0712	1.3398	31.55	-2.64
677	Shell-Thick	SLE-RARA	13.1060	1.7472	30.88	-2.64
677	Shell-Thick	SLE-FREQ.	16.2660	2.9652	28.66	-2.10
677	Shell-Thick	SLE-FREQ.	15.3197	2.5589	29.40	-2.10
677	Shell-Thick	SLE-FREQ.	10.9683	1.1706	29.40	-2.76
677	Shell-Thick	SLE-FREQ.	11.8992	1.5880	28.66	-2.76
677	Shell-Thick	SLE-QP	11.6400	2.1883	22.01	-2.29
677	Shell-Thick	SLE-QP	11.0477	1.7226	22.94	-2.29
677	Shell-Thick	SLE-QP	7.6594	0.6629	22.94	-3.10
677	Shell-Thick	SLE-QP	8.2787	1.1104	22.01	-3.10
678	Shell-Thick	SLU-STATICA	22.9811	3.8781	42.65	-2.18
678	Shell-Thick	SLU-STATICA	22.1704	3.7447	42.89	-2.18

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678	Shell-Thick	SLU-STATICA	15.7639	1.8925	42.89	-2.61
678	Shell-Thick	SLU-STATICA	16.5528	2.1756	42.65	-2.61
678	Shell-Thick	SLU-SISMICA	35.2111	5.8602	59.35	-0.60
678	Shell-Thick	SLU-SISMICA	33.8330	6.0581	59.07	-0.60
678	Shell-Thick	SLU-SISMICA	24.9821	3.4648	59.07	-0.12
678	Shell-Thick	SLU-SISMICA	26.2930	3.7250	59.35	-0.12
678	Shell-Thick	SLE-RARA	16.8043	2.8398	31.48	-1.73
678	Shell-Thick	SLE-RARA	16.2182	2.7223	31.70	-1.73
678	Shell-Thick	SLE-RARA	11.4856	1.3557	31.70	-2.10
678	Shell-Thick	SLE-RARA	12.0574	1.5713	31.48	-2.10
678	Shell-Thick	SLE-FREQ.	15.3849	2.6069	29.34	-1.82
678	Shell-Thick	SLE-FREQ.	14.8599	2.4650	29.58	-1.82
678	Shell-Thick	SLE-FREQ.	10.4448	1.1930	29.58	-2.25
678	Shell-Thick	SLE-FREQ.	10.9596	1.4052	29.34	-2.25
678	Shell-Thick	SLE-QP	11.1267	1.9082	22.89	-2.08
678	Shell-Thick	SLE-QP	10.7849	1.6933	23.25	-2.08
678	Shell-Thick	SLE-QP	7.3226	0.7051	23.25	-2.71
678	Shell-Thick	SLE-QP	7.6664	0.9070	22.89	-2.71
679	Shell-Thick	SLU-STATICA	22.1924	3.8633	42.89	-1.81
679	Shell-Thick	SLU-STATICA	21.3115	3.7410	43.02	-1.81
679	Shell-Thick	SLU-STATICA	14.8726	1.5553	43.02	-2.03
679	Shell-Thick	SLU-STATICA	15.7405	1.7671	42.89	-2.03
679	Shell-Thick	SLU-SISMICA	33.7838	5.8572	59.08	-8.708E-02
679	Shell-Thick	SLU-SISMICA	32.3110	6.0585	58.65	-8.708E-02
679	Shell-Thick	SLU-SISMICA	23.5053	2.9889	58.65	0.66
679	Shell-Thick	SLU-SISMICA	24.9263	3.1404	59.08	0.66
679	Shell-Thick	SLE-RARA	16.2385	2.8281	31.69	-1.46
679	Shell-Thick	SLE-RARA	15.6005	2.7192	31.82	-1.46
679	Shell-Thick	SLE-RARA	10.8394	1.1071	31.82	-1.67
679	Shell-Thick	SLE-RARA	11.4695	1.2706	31.69	-1.67
679	Shell-Thick	SLE-FREQ.	14.8855	2.5945	29.58	-1.56
679	Shell-Thick	SLE-FREQ.	14.3119	2.4617	29.75	-1.56
679	Shell-Thick	SLE-FREQ.	9.8627	0.9620	29.75	-1.85
679	Shell-Thick	SLE-FREQ.	10.4318	1.1264	29.58	-1.85
679	Shell-Thick	SLE-QP	10.8266	1.8937	23.25	-1.88
679	Shell-Thick	SLE-QP	10.4461	1.6892	23.55	-1.88
679	Shell-Thick	SLE-QP	6.9326	0.5266	23.55	-2.39
679	Shell-Thick	SLE-QP	7.3187	0.6938	23.25	-2.39
680	Shell-Thick	SLU-STATICA	21.3102	3.4633	42.96	-1.38
680	Shell-Thick	SLU-STATICA	20.4001	3.4150	42.96	-1.38
680	Shell-Thick	SLU-STATICA	13.9652	1.5441	42.96	-1.38
680	Shell-Thick	SLU-STATICA	14.8544	1.7355	42.96	-1.38
680	Shell-Thick	SLU-SISMICA	32.2300	5.2413	58.54	0.48
680	Shell-Thick	SLU-SISMICA	30.7274	5.5449	57.95	0.48
680	Shell-Thick	SLU-SISMICA	22.0201	3.0378	57.95	1.51
680	Shell-Thick	SLU-SISMICA	23.4588	3.1684	58.54	1.51
680	Shell-Thick	SLE-RARA	15.6035	2.5357	31.77	-1.14
680	Shell-Thick	SLE-RARA	14.9434	2.4815	31.80	-1.14
680	Shell-Thick	SLE-RARA	10.1806	1.0956	31.80	-1.19
680	Shell-Thick	SLE-RARA	10.8270	1.2437	31.77	-1.19
680	Shell-Thick	SLE-FREQ.	14.3214	2.3270	29.71	-1.26
680	Shell-Thick	SLE-FREQ.	13.7262	2.2453	29.79	-1.26
680	Shell-Thick	SLE-FREQ.	9.2677	0.9458	29.79	-1.40
680	Shell-Thick	SLE-FREQ.	9.8530	1.0953	29.71	-1.40
680	Shell-Thick	SLE-QP	10.4750	1.7011	23.52	-1.63
680	Shell-Thick	SLE-QP	10.0747	1.5366	23.74	-1.63
680	Shell-Thick	SLE-QP	6.5287	0.4965	23.74	-2.02
680	Shell-Thick	SLE-QP	6.9307	0.6500	23.52	-2.02
681	Shell-Thick	SLU-STATICA	20.3831	3.4074	42.97	-0.89
681	Shell-Thick	SLU-STATICA	19.4154	3.3925	42.83	-0.89
681	Shell-Thick	SLU-STATICA	12.9859	1.2133	42.83	-0.65
681	Shell-Thick	SLU-STATICA	13.9383	1.3323	42.97	-0.65
681	Shell-Thick	SLU-SISMICA	30.6279	5.1812	57.97	1.10
681	Shell-Thick	SLU-SISMICA	29.0533	5.5148	57.20	1.10
681	Shell-Thick	SLU-SISMICA	20.4395	2.5815	57.20	2.43
681	Shell-Thick	SLU-SISMICA	21.9610	2.6085	57.97	2.43
681	Shell-Thick	SLE-RARA	14.9346	2.4935	31.81	-0.77
681	Shell-Thick	SLE-RARA	14.2316	2.4649	31.74	-0.77
681	Shell-Thick	SLE-RARA	9.4685	0.8512	31.74	-0.64

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681	Shell-Thick	SLE-RARA	10.1618	0.9459	31.81	-0.64
681	Shell-Thick	SLE-FREQ.	13.7245	2.2863	29.80	-0.92
681	Shell-Thick	SLE-FREQ.	13.0887	2.2297	29.78	-0.92
681	Shell-Thick	SLE-FREQ.	8.6225	0.7178	29.78	-0.88
681	Shell-Thick	SLE-FREQ.	9.2520	0.8177	29.80	-0.88
681	Shell-Thick	SLE-QP	10.0940	1.6645	23.75	-1.35
681	Shell-Thick	SLE-QP	9.6598	1.5242	23.89	-1.35
681	Shell-Thick	SLE-QP	6.0845	0.3175	23.89	-1.59
681	Shell-Thick	SLE-QP	6.5224	0.4331	23.75	-1.59
682	Shell-Thick	SLU-STATICA	19.3723	3.0051	42.79	-0.34
682	Shell-Thick	SLU-STATICA	18.3782	3.0622	42.49	-0.34
682	Shell-Thick	SLU-STATICA	11.9898	1.2075	42.49	0.17
682	Shell-Thick	SLU-STATICA	12.9648	1.2795	42.79	0.17
682	Shell-Thick	SLU-SISMICA	28.9199	4.5797	57.13	1.77
682	Shell-Thick	SLU-SISMICA	27.3223	5.0031	56.17	1.77
682	Shell-Thick	SLU-SISMICA	18.8514	2.6357	56.17	3.43
682	Shell-Thick	SLU-SISMICA	20.3909	2.6068	57.13	3.43
682	Shell-Thick	SLE-RARA	14.2034	2.1987	31.71	-0.37
682	Shell-Thick	SLE-RARA	13.4802	2.2236	31.52	-0.37
682	Shell-Thick	SLE-RARA	8.7432	0.8438	31.52	-3.198E-02
682	Shell-Thick	SLE-RARA	9.4540	0.9034	31.71	-3.198E-02
682	Shell-Thick	SLE-FREQ.	13.0685	2.0150	29.75	-0.53
682	Shell-Thick	SLE-FREQ.	12.4128	2.0093	29.61	-0.53
682	Shell-Thick	SLE-FREQ.	7.9638	0.7056	29.61	-0.30
682	Shell-Thick	SLE-FREQ.	8.6106	0.7720	29.75	-0.30
682	Shell-Thick	SLE-QP	9.6640	1.4642	23.87	-1.02
682	Shell-Thick	SLE-QP	9.2106	1.3663	23.91	-1.02
682	Shell-Thick	SLE-QP	5.6254	0.2911	23.91	-1.10
682	Shell-Thick	SLE-QP	6.0805	0.3779	23.87	-1.10
683	Shell-Thick	SLU-STATICA	18.3152	2.9199	42.53	0.27
683	Shell-Thick	SLU-STATICA	17.2830	3.0328	42.06	0.27
683	Shell-Thick	SLU-STATICA	10.9452	0.8969	42.06	1.08
683	Shell-Thick	SLU-STATICA	11.9613	0.8924	42.53	1.08
683	Shell-Thick	SLU-SISMICA	27.1666	4.4830	56.22	2.50
683	Shell-Thick	SLU-SISMICA	25.5285	4.9623	55.06	2.50
683	Shell-Thick	SLU-SISMICA	17.2059	2.2141	55.06	4.52
683	Shell-Thick	SLU-SISMICA	18.7925	2.0831	56.22	4.52
683	Shell-Thick	SLE-RARA	13.4371	2.1346	31.54	9.137E-02
683	Shell-Thick	SLE-RARA	12.6851	2.2019	31.22	9.137E-02
683	Shell-Thick	SLE-RARA	7.9817	0.6140	31.22	0.65
683	Shell-Thick	SLE-RARA	8.7232	0.6169	31.54	0.65
683	Shell-Thick	SLE-FREQ.	12.3783	1.9535	29.64	-9.441E-02
683	Shell-Thick	SLE-FREQ.	11.6947	1.9890	29.38	-9.441E-02
683	Shell-Thick	SLE-FREQ.	7.2704	0.4906	29.38	0.35
683	Shell-Thick	SLE-FREQ.	7.9467	0.5038	29.64	0.35
683	Shell-Thick	SLE-QP	9.2022	1.4103	23.93	-0.65
683	Shell-Thick	SLE-QP	8.7236	1.3505	23.87	-0.65
683	Shell-Thick	SLE-QP	5.1364	0.1204	23.87	-0.54
683	Shell-Thick	SLE-QP	5.6173	0.1646	23.93	-0.54
684	Shell-Thick	SLU-STATICA	17.1898	2.5126	42.04	0.95
684	Shell-Thick	SLU-STATICA	16.1379	2.6970	41.38	0.95
684	Shell-Thick	SLU-STATICA	9.8870	0.9230	41.38	2.09
684	Shell-Thick	SLU-STATICA	10.9235	0.8427	42.04	2.09
684	Shell-Thick	SLU-SISMICA	25.3358	3.8905	55.03	3.30
684	Shell-Thick	SLU-SISMICA	23.6862	4.4496	53.64	3.30
684	Shell-Thick	SLU-SISMICA	15.5588	2.3100	53.64	5.70
684	Shell-Thick	SLU-SISMICA	17.1588	2.0865	55.03	5.70
684	Shell-Thick	SLE-RARA	12.6195	1.8352	31.21	0.60
684	Shell-Thick	SLE-RARA	11.8522	1.9563	30.75	0.60
684	Shell-Thick	SLE-RARA	7.2092	0.6303	30.75	1.41
684	Shell-Thick	SLE-RARA	7.9665	0.5766	31.21	1.41
684	Shell-Thick	SLE-FREQ.	11.6389	1.6767	29.37	0.39
684	Shell-Thick	SLE-FREQ.	10.9396	1.7640	28.98	0.39
684	Shell-Thick	SLE-FREQ.	6.5653	0.5008	28.98	1.08
684	Shell-Thick	SLE-FREQ.	7.2576	0.4602	29.37	1.08
684	Shell-Thick	SLE-QP	8.6972	1.2013	23.87	-0.23
684	Shell-Thick	SLE-QP	8.2020	1.1872	23.68	-0.23
684	Shell-Thick	SLE-QP	4.6337	0.1122	23.68	8.350E-02
684	Shell-Thick	SLE-QP	5.1311	0.1108	23.87	8.350E-02

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685	Shell-Thick	SLU-STATICA	16.0208	2.4161	41.45	1.71
685	Shell-Thick	SLU-STATICA	14.9540	2.6802	40.58	1.71
685	Shell-Thick	SLU-STATICA	8.8075	0.6438	40.58	3.21
685	Shell-Thick	SLU-STATICA	9.8592	0.4797	41.45	3.21
685	Shell-Thick	SLU-SISMICA	23.4674	3.7849	53.73	4.18
685	Shell-Thick	SLU-SISMICA	21.8129	4.4273	52.11	4.18
685	Shell-Thick	SLU-SISMICA	13.8958	1.9328	52.11	6.98
685	Shell-Thick	SLU-SISMICA	15.5036	1.6047	53.73	6.98
685	Shell-Thick	SLE-RARA	11.7685	1.7625	30.80	1.17
685	Shell-Thick	SLE-RARA	10.9894	1.9439	30.18	1.17
685	Shell-Thick	SLE-RARA	6.4202	0.4236	30.18	2.25
685	Shell-Thick	SLE-RARA	7.1895	0.3075	30.80	2.25
685	Shell-Thick	SLE-FREQ.	10.8664	1.6066	29.03	0.94
685	Shell-Thick	SLE-FREQ.	10.1548	1.7524	28.48	0.94
685	Shell-Thick	SLE-FREQ.	5.8438	0.3073	28.48	1.88
685	Shell-Thick	SLE-FREQ.	6.5484	0.2074	29.03	1.88
685	Shell-Thick	SLE-QP	8.1600	1.1387	23.72	0.25
685	Shell-Thick	SLE-QP	7.6509	1.1779	23.41	0.25
685	Shell-Thick	SLE-QP	4.1144	-0.0419	23.41	0.79
685	Shell-Thick	SLE-QP	4.6250	-0.0927	23.72	0.79
686	Shell-Thick	SLU-STATICA	14.8023	2.0058	40.60	2.56
686	Shell-Thick	SLU-STATICA	13.7278	2.3431	39.50	2.56
686	Shell-Thick	SLU-STATICA	7.7236	0.7369	39.50	4.45
686	Shell-Thick	SLU-STATICA	8.7883	0.4642	40.60	4.45
686	Shell-Thick	SLU-SISMICA	21.5532	3.2018	52.12	5.13
686	Shell-Thick	SLU-SISMICA	19.9046	3.9164	50.24	5.13
686	Shell-Thick	SLU-SISMICA	12.2440	2.1154	50.24	8.38
686	Shell-Thick	SLU-SISMICA	13.8547	1.6543	52.12	8.38
686	Shell-Thick	SLE-RARA	10.8799	1.4603	30.19	1.81
686	Shell-Thick	SLE-RARA	10.0943	1.6970	29.40	1.81
686	Shell-Thick	SLE-RARA	5.6273	0.4897	29.40	3.18
686	Shell-Thick	SLE-RARA	6.4068	0.2925	30.19	3.18
686	Shell-Thick	SLE-FREQ.	10.0569	1.3260	28.50	1.55
686	Shell-Thick	SLE-FREQ.	9.3378	1.5259	27.79	1.55
686	Shell-Thick	SLE-FREQ.	5.1170	0.3643	27.79	2.78
686	Shell-Thick	SLE-FREQ.	5.8325	0.1874	28.50	2.78
686	Shell-Thick	SLE-QP	7.5877	0.9231	23.42	0.78
686	Shell-Thick	SLE-QP	7.0683	1.0125	22.97	0.78
686	Shell-Thick	SLE-QP	3.5863	-0.0117	22.97	1.58
686	Shell-Thick	SLE-QP	4.1095	-0.1276	23.42	1.58
687	Shell-Thick	SLU-STATICA	13.5479	1.9211	39.61	3.50
687	Shell-Thick	SLU-STATICA	12.4893	2.3654	38.26	3.50
687	Shell-Thick	SLU-STATICA	6.6531	0.5084	38.26	5.83
687	Shell-Thick	SLU-STATICA	7.6999	0.1406	39.61	5.83
687	Shell-Thick	SLU-SISMICA	19.6151	3.1201	50.39	6.19
687	Shell-Thick	SLU-SISMICA	18.0055	3.9488	48.24	6.19
687	Shell-Thick	SLU-SISMICA	10.6256	1.7993	48.24	9.91
687	Shell-Thick	SLU-SISMICA	12.1967	1.2275	50.39	9.91
687	Shell-Thick	SLE-RARA	9.9634	1.3960	29.48	2.52
687	Shell-Thick	SLE-RARA	9.1888	1.7135	28.50	2.52
687	Shell-Thick	SLE-RARA	4.8434	0.3209	28.50	4.21
687	Shell-Thick	SLE-RARA	5.6104	0.0524	29.48	4.21
687	Shell-Thick	SLE-FREQ.	9.2192	1.2630	27.86	2.24
687	Shell-Thick	SLE-FREQ.	8.5089	1.5411	26.97	2.24
687	Shell-Thick	SLE-FREQ.	4.3975	0.2069	26.97	3.78
687	Shell-Thick	SLE-FREQ.	5.1025	-0.0382	27.86	3.78
687	Shell-Thick	SLE-QP	6.9864	0.8642	23.03	1.39
687	Shell-Thick	SLE-QP	6.4693	1.0240	22.41	1.39
687	Shell-Thick	SLE-QP	3.0598	-0.1351	22.41	2.46
687	Shell-Thick	SLE-QP	3.5789	-0.3101	23.03	2.46
688	Shell-Thick	SLU-STATICA	12.2700	1.5173	38.32	4.56
688	Shell-Thick	SLU-STATICA	11.2199	2.0387	36.70	4.56
688	Shell-Thick	SLU-STATICA	5.5926	0.7148	36.70	7.36
688	Shell-Thick	SLU-STATICA	6.6410	0.1995	38.32	7.36
688	Shell-Thick	SLU-SISMICA	17.6706	2.5552	48.30	7.35
688	Shell-Thick	SLU-SISMICA	16.0872	3.4508	45.85	7.35
688	Shell-Thick	SLU-SISMICA	9.0351	2.1235	45.85	11.58
688	Shell-Thick	SLU-SISMICA	10.5963	1.3719	48.30	11.58
688	Shell-Thick	SLE-RARA	9.0283	1.0980	28.54	3.32

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688	Shell-Thick	SLE-RARA	8.2592	1.4745	27.35	3.32
688	Shell-Thick	SLE-RARA	4.0662	0.4715	27.35	5.37
688	Shell-Thick	SLE-RARA	4.8351	0.0928	28.54	5.37
688	Shell-Thick	SLE-FREQ.	8.3619	0.9857	27.02	3.00
688	Shell-Thick	SLE-FREQ.	7.6556	1.3221	25.93	3.00
688	Shell-Thick	SLE-FREQ.	3.6830	0.3441	25.93	4.89
688	Shell-Thick	SLE-FREQ.	4.3908	-0.0059	27.02	4.89
688	Shell-Thick	SLE-QP	6.3626	0.6485	22.44	2.07
688	Shell-Thick	SLE-QP	5.8447	0.8649	21.65	2.07
688	Shell-Thick	SLE-QP	2.5335	-0.0381	21.65	3.45
688	Shell-Thick	SLE-QP	3.0581	-0.3018	22.44	3.45
689	Shell-Thick	SLU-STATICA	10.9852	1.5354	36.86	5.67
689	Shell-Thick	SLU-STATICA	10.1165	2.1171	35.20	5.67
689	Shell-Thick	SLU-STATICA	4.7131	0.5053	35.20	8.94
689	Shell-Thick	SLU-STATICA	5.5781	-0.0282	36.86	8.94
689	Shell-Thick	SLU-SISMICA	15.7412	2.6179	46.06	8.57
689	Shell-Thick	SLU-SISMICA	14.4420	3.5591	43.66	8.57
689	Shell-Thick	SLU-SISMICA	7.7192	1.7980	43.66	13.29
689	Shell-Thick	SLU-SISMICA	9.0040	1.0709	46.06	13.29
689	Shell-Thick	SLE-RARA	8.0869	1.1095	27.47	4.15
689	Shell-Thick	SLE-RARA	7.4501	1.5324	26.25	4.15
689	Shell-Thick	SLE-RARA	3.4215	0.3185	26.25	6.56
689	Shell-Thick	SLE-RARA	4.0560	-0.0761	27.47	6.56
689	Shell-Thick	SLE-FREQ.	7.4967	0.9932	26.03	3.81
689	Shell-Thick	SLE-FREQ.	6.9110	1.3761	24.91	3.81
689	Shell-Thick	SLE-FREQ.	3.0901	0.2044	24.91	6.04
689	Shell-Thick	SLE-FREQ.	3.6745	-0.1646	26.03	6.04
689	Shell-Thick	SLE-QP	5.7259	0.6442	21.73	2.79
689	Shell-Thick	SLE-QP	5.2935	0.9072	20.88	2.79
689	Shell-Thick	SLE-QP	2.0959	-0.1378	20.88	4.48
689	Shell-Thick	SLE-QP	2.5298	-0.4299	21.73	4.48
690	Shell-Thick	SLU-STATICA	22.3962	1.8865	22.11	-10.63
690	Shell-Thick	SLU-STATICA	22.3156	1.0837	23.20	-10.63
690	Shell-Thick	SLU-STATICA	18.9460	-1.0437	23.20	-12.51
690	Shell-Thick	SLU-STATICA	18.9673	0.1670	22.11	-12.51
690	Shell-Thick	SLU-SISMICA	37.6995	2.5151	36.45	-16.92
690	Shell-Thick	SLU-SISMICA	37.4631	1.2817	38.25	-16.92
690	Shell-Thick	SLU-SISMICA	31.9131	-2.4405	38.25	-20.03
690	Shell-Thick	SLU-SISMICA	32.0409	-0.4595	36.45	-20.03
690	Shell-Thick	SLE-RARA	16.2080	1.3982	16.04	-7.74
690	Shell-Thick	SLE-RARA	16.1547	0.8113	16.83	-7.74
690	Shell-Thick	SLE-RARA	13.7100	-0.7212	16.83	-9.11
690	Shell-Thick	SLE-RARA	13.7209	0.1578	16.04	-9.11
690	Shell-Thick	SLE-FREQ.	14.5507	1.3120	14.47	-7.04
690	Shell-Thick	SLE-FREQ.	14.5115	0.7750	15.18	-7.04
690	Shell-Thick	SLE-FREQ.	12.3063	-0.5887	15.18	-8.27
690	Shell-Thick	SLE-FREQ.	12.3082	0.2054	14.47	-8.27
690	Shell-Thick	SLE-QP	9.5789	1.0536	9.74	-4.91
690	Shell-Thick	SLE-QP	9.5821	0.6662	10.22	-4.91
690	Shell-Thick	SLE-QP	8.0952	-0.1909	10.22	-5.74
690	Shell-Thick	SLE-QP	8.0701	0.3482	9.74	-5.74
691	Shell-Thick	SLU-STATICA	22.6544	2.3179	23.09	-9.85
691	Shell-Thick	SLU-STATICA	22.0797	1.3418	24.24	-9.85
691	Shell-Thick	SLU-STATICA	18.5242	-0.6777	24.24	-11.83
691	Shell-Thick	SLU-STATICA	19.1091	0.2320	23.09	-11.83
691	Shell-Thick	SLU-SISMICA	38.0162	3.2934	38.07	-15.15
691	Shell-Thick	SLU-SISMICA	36.9202	1.7937	39.95	-15.15
691	Shell-Thick	SLU-SISMICA	31.0612	-1.8228	39.95	-18.40
691	Shell-Thick	SLU-SISMICA	32.1698	-0.4033	38.07	-18.40
691	Shell-Thick	SLE-RARA	16.4007	1.7078	16.75	-7.20
691	Shell-Thick	SLE-RARA	15.9912	0.9942	17.58	-7.20
691	Shell-Thick	SLE-RARA	13.4118	-0.4564	17.58	-8.64
691	Shell-Thick	SLE-RARA	13.8290	0.2074	16.75	-8.64
691	Shell-Thick	SLE-FREQ.	14.7339	1.5855	15.11	-6.58
691	Shell-Thick	SLE-FREQ.	14.3774	0.9326	15.86	-6.58
691	Shell-Thick	SLE-FREQ.	12.0509	-0.3511	15.86	-7.88
691	Shell-Thick	SLE-FREQ.	12.4147	0.2545	15.11	-7.88
691	Shell-Thick	SLE-QP	9.7334	1.2187	10.17	-4.74
691	Shell-Thick	SLE-QP	9.5357	0.7476	10.68	-4.74

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691	Shell-Thick	SLE-QP	7.9679	-0.0350	10.68	-5.62
691	Shell-Thick	SLE-QP	8.1717	0.3958	10.17	-5.62
692	Shell-Thick	SLU-STATICA	22.4060	2.3410	24.09	-9.20
692	Shell-Thick	SLU-STATICA	22.3718	1.6254	25.18	-9.20
692	Shell-Thick	SLU-STATICA	18.7000	-0.2872	25.18	-11.09
692	Shell-Thick	SLU-STATICA	18.6858	0.7624	24.09	-11.09
692	Shell-Thick	SLU-SISMICA	37.4424	3.2762	39.68	-13.68
692	Shell-Thick	SLU-SISMICA	37.3348	2.2801	41.40	-13.68
692	Shell-Thick	SLU-SISMICA	31.2991	-1.0799	41.40	-16.66
692	Shell-Thick	SLU-SISMICA	31.3128	0.5635	39.68	-16.66
692	Shell-Thick	SLE-RARA	16.2287	1.7273	17.48	-6.75
692	Shell-Thick	SLE-RARA	16.2065	1.1990	18.27	-6.75
692	Shell-Thick	SLE-RARA	13.5420	-0.1782	18.27	-8.12
692	Shell-Thick	SLE-RARA	13.5298	0.5876	17.48	-8.12
692	Shell-Thick	SLE-FREQ.	14.5928	1.6078	15.76	-6.22
692	Shell-Thick	SLE-FREQ.	14.5772	1.1157	16.49	-6.22
692	Shell-Thick	SLE-FREQ.	12.1727	-0.1086	16.49	-7.47
692	Shell-Thick	SLE-FREQ.	12.1585	0.5895	15.76	-7.47
692	Shell-Thick	SLE-QP	9.6853	1.2495	10.63	-4.61
692	Shell-Thick	SLE-QP	9.6894	0.8656	11.14	-4.61
692	Shell-Thick	SLE-QP	8.0648	0.1000	11.14	-5.49
692	Shell-Thick	SLE-QP	8.0446	0.5950	10.63	-5.49
693	Shell-Thick	SLU-STATICA	22.6774	2.8698	25.11	-8.68
693	Shell-Thick	SLU-STATICA	22.2447	1.9790	26.21	-8.68
693	Shell-Thick	SLU-STATICA	18.3867	-0.1129	26.21	-10.58
693	Shell-Thick	SLU-STATICA	18.8352	0.6723	25.11	-10.58
693	Shell-Thick	SLU-SISMICA	37.8123	4.2346	41.29	-12.46
693	Shell-Thick	SLU-SISMICA	37.0153	2.9670	42.97	-12.46
693	Shell-Thick	SLU-SISMICA	30.6848	-0.7988	42.97	-15.36
693	Shell-Thick	SLU-SISMICA	31.4993	0.3541	41.29	-15.36
693	Shell-Thick	SLE-RARA	16.4294	2.1065	18.22	-6.39
693	Shell-Thick	SLE-RARA	16.1197	1.4503	19.02	-6.39
693	Shell-Thick	SLE-RARA	13.3196	-0.0514	19.02	-7.78
693	Shell-Thick	SLE-RARA	13.6412	0.5253	18.22	-7.78
693	Shell-Thick	SLE-FREQ.	14.7805	1.9424	16.44	-5.92
693	Shell-Thick	SLE-FREQ.	14.5084	1.3334	17.18	-5.92
693	Shell-Thick	SLE-FREQ.	11.9805	0.0062	17.18	-7.20
693	Shell-Thick	SLE-FREQ.	12.2641	0.5385	16.44	-7.20
693	Shell-Thick	SLE-QP	9.8338	1.4501	11.10	-4.52
693	Shell-Thick	SLE-QP	9.6745	0.9825	11.64	-4.52
693	Shell-Thick	SLE-QP	7.9632	0.1791	11.64	-5.44
693	Shell-Thick	SLE-QP	8.1329	0.5781	11.10	-5.44
694	Shell-Thick	SLU-STATICA	22.5307	2.7273	26.05	-8.23
694	Shell-Thick	SLU-STATICA	22.4830	2.0709	27.10	-8.23
694	Shell-Thick	SLU-STATICA	18.5154	0.3155	27.10	-10.05
694	Shell-Thick	SLU-STATICA	18.5229	1.2497	26.05	-10.05
694	Shell-Thick	SLU-SISMICA	37.4492	3.9251	42.69	-11.38
694	Shell-Thick	SLU-SISMICA	37.3470	3.1058	44.24	-11.38
694	Shell-Thick	SLU-SISMICA	30.8676	0.0268	44.24	-14.06
694	Shell-Thick	SLU-SISMICA	30.8864	1.4209	42.69	-14.06
694	Shell-Thick	SLE-RARA	16.3291	2.0069	18.91	-6.08
694	Shell-Thick	SLE-RARA	16.2956	1.5176	19.68	-6.08
694	Shell-Thick	SLE-RARA	13.4144	0.2534	19.68	-7.42
694	Shell-Thick	SLE-RARA	13.4195	0.9384	18.91	-7.42
694	Shell-Thick	SLE-FREQ.	14.7004	1.8590	17.08	-5.67
694	Shell-Thick	SLE-FREQ.	14.6723	1.3951	17.79	-5.67
694	Shell-Thick	SLE-FREQ.	12.0685	0.2709	17.79	-6.91
694	Shell-Thick	SLE-FREQ.	12.0726	0.9012	17.08	-6.91
694	Shell-Thick	SLE-QP	9.8145	1.4152	11.58	-4.44
694	Shell-Thick	SLE-QP	9.8023	1.0277	12.11	-4.44
694	Shell-Thick	SLE-QP	8.0309	0.3233	12.11	-5.37
694	Shell-Thick	SLE-QP	8.0318	0.7896	11.58	-5.37
695	Shell-Thick	SLU-STATICA	22.7558	3.2537	27.06	-7.86
695	Shell-Thick	SLU-STATICA	22.3659	2.4333	28.10	-7.86
695	Shell-Thick	SLU-STATICA	18.2191	0.3479	28.10	-9.66
695	Shell-Thick	SLU-STATICA	18.6265	1.0518	27.06	-9.66
695	Shell-Thick	SLU-SISMICA	37.7509	4.8827	44.17	-10.48
695	Shell-Thick	SLU-SISMICA	37.0641	3.8091	45.64	-10.48
695	Shell-Thick	SLU-SISMICA	30.3182	0.0637	45.64	-13.02

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695	Shell-Thick	SLU-SISMICA	31.0207	1.0347	44.17	-13.02
695	Shell-Thick	SLE-RARA	16.4958	2.3843	19.65	-5.83
695	Shell-Thick	SLE-RARA	16.2152	1.7752	20.42	-5.83
695	Shell-Thick	SLE-RARA	13.2025	0.2778	20.42	-7.15
695	Shell-Thick	SLE-RARA	13.4965	0.7978	19.65	-7.15
695	Shell-Thick	SLE-FREQ.	14.8567	2.1917	17.76	-5.47
695	Shell-Thick	SLE-FREQ.	14.6074	1.6184	18.47	-5.47
695	Shell-Thick	SLE-FREQ.	11.8826	0.2943	18.47	-6.70
695	Shell-Thick	SLE-FREQ.	12.1451	0.7795	17.76	-6.70
695	Shell-Thick	SLE-QP	9.9396	1.6137	12.09	-4.39
695	Shell-Thick	SLE-QP	9.7843	1.1479	12.64	-4.39
695	Shell-Thick	SLE-QP	7.9231	0.3438	12.64	-5.34
695	Shell-Thick	SLE-QP	8.0911	0.7247	12.09	-5.34
696	Shell-Thick	SLU-STATICA	22.6171	3.0138	27.94	-7.52
696	Shell-Thick	SLU-STATICA	22.5166	2.4023	28.94	-7.52
696	Shell-Thick	SLU-STATICA	18.2667	0.7470	28.94	-9.24
696	Shell-Thick	SLU-STATICA	18.3332	1.5941	27.94	-9.24
696	Shell-Thick	SLU-SISMICA	37.4225	4.4109	45.36	-9.65
696	Shell-Thick	SLU-SISMICA	37.2462	3.7323	46.71	-9.65
696	Shell-Thick	SLU-SISMICA	30.3770	0.8450	46.71	-11.98
696	Shell-Thick	SLU-SISMICA	30.4771	2.0479	45.36	-11.98
696	Shell-Thick	SLE-RARA	16.4002	2.2140	20.30	-5.59
696	Shell-Thick	SLE-RARA	16.3278	1.7541	21.04	-5.59
696	Shell-Thick	SLE-RARA	13.2380	0.5612	21.04	-6.87
696	Shell-Thick	SLE-RARA	13.2867	1.1853	20.30	-6.87
696	Shell-Thick	SLE-FREQ.	14.7791	2.0446	18.37	-5.28
696	Shell-Thick	SLE-FREQ.	14.7147	1.6015	19.06	-5.28
696	Shell-Thick	SLE-FREQ.	11.9164	0.5393	19.06	-6.47
696	Shell-Thick	SLE-FREQ.	11.9611	1.1188	18.37	-6.47
696	Shell-Thick	SLE-QP	9.9158	1.5364	12.57	-4.34
696	Shell-Thick	SLE-QP	9.8754	1.1439	13.12	-4.34
696	Shell-Thick	SLE-QP	7.9515	0.4736	13.12	-5.29
696	Shell-Thick	SLE-QP	7.9843	0.9193	12.57	-5.29
697	Shell-Thick	SLU-STATICA	22.7589	3.4935	28.91	-7.24
697	Shell-Thick	SLU-STATICA	22.3615	2.7356	29.88	-7.24
697	Shell-Thick	SLU-STATICA	17.9434	0.6731	29.88	-8.92
697	Shell-Thick	SLU-STATICA	18.3573	1.3205	28.91	-8.92
697	Shell-Thick	SLU-SISMICA	37.5836	5.2852	46.67	-8.94
697	Shell-Thick	SLU-SISMICA	36.9087	4.3810	47.93	-8.94
697	Shell-Thick	SLU-SISMICA	29.8064	0.7096	47.93	-11.11
697	Shell-Thick	SLU-SISMICA	30.4911	1.5500	46.67	-11.11
697	Shell-Thick	SLE-RARA	16.5067	2.5579	21.02	-5.40
697	Shell-Thick	SLE-RARA	16.2194	1.9909	21.74	-5.40
697	Shell-Thick	SLE-RARA	13.0053	0.5082	21.74	-6.65
697	Shell-Thick	SLE-RARA	13.3055	0.9892	21.02	-6.65
697	Shell-Thick	SLE-FREQ.	14.8814	2.3475	19.04	-5.13
697	Shell-Thick	SLE-FREQ.	14.6240	1.8065	19.72	-5.13
697	Shell-Thick	SLE-FREQ.	11.7097	0.4927	19.72	-6.30
697	Shell-Thick	SLE-FREQ.	11.9803	0.9459	19.04	-6.30
697	Shell-Thick	SLE-QP	10.0054	1.7166	13.10	-4.31
697	Shell-Thick	SLE-QP	9.8377	1.2536	13.66	-4.31
697	Shell-Thick	SLE-QP	7.8230	0.4461	13.66	-5.27
697	Shell-Thick	SLE-QP	8.0045	0.8162	13.10	-5.27
698	Shell-Thick	SLU-STATICA	22.5826	3.1935	29.73	-6.96
698	Shell-Thick	SLU-STATICA	22.4083	2.6206	30.65	-6.96
698	Shell-Thick	SLU-STATICA	17.8934	1.0177	30.65	-8.56
698	Shell-Thick	SLU-STATICA	18.0382	1.7950	29.73	-8.56
698	Shell-Thick	SLU-SISMICA	37.2026	4.7251	47.67	-8.26
698	Shell-Thick	SLU-SISMICA	36.9105	4.1656	48.81	-8.26
698	Shell-Thick	SLU-SISMICA	29.7079	1.3976	48.81	-10.24
698	Shell-Thick	SLU-SISMICA	29.9288	2.4470	47.67	-10.24
698	Shell-Thick	SLE-RARA	16.3833	2.3435	21.63	-5.21
698	Shell-Thick	SLE-RARA	16.2571	1.9088	22.32	-5.21
698	Shell-Thick	SLE-RARA	12.9699	0.7522	22.32	-6.40
698	Shell-Thick	SLE-RARA	13.0758	1.3277	21.63	-6.40
698	Shell-Thick	SLE-FREQ.	14.7779	2.1599	19.62	-4.97
698	Shell-Thick	SLE-FREQ.	14.6644	1.7348	20.28	-4.97
698	Shell-Thick	SLE-FREQ.	11.6792	0.7025	20.28	-6.11
698	Shell-Thick	SLE-FREQ.	11.7763	1.2413	19.62	-6.11



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698	Shell-Thick	SLE-QP	9.9615	1.6089	13.60	-4.27
698	Shell-Thick	SLE-QP	9.8865	1.2127	14.15	-4.27
698	Shell-Thick	SLE-QP	7.8070	0.5532	14.15	-5.22
698	Shell-Thick	SLE-QP	7.8775	0.9824	13.60	-5.22
699	Shell-Thick	SLU-STATICA	22.6229	3.6085	30.63	-6.71
699	Shell-Thick	SLU-STATICA	22.1913	2.9100	31.53	-6.71
699	Shell-Thick	SLU-STATICA	17.5208	0.8639	31.53	-8.26
699	Shell-Thick	SLU-STATICA	17.9665	1.4683	30.63	-8.26
699	Shell-Thick	SLU-SISMICA	37.1890	5.4825	48.79	-7.66
699	Shell-Thick	SLU-SISMICA	36.4727	4.7312	49.85	-7.66
699	Shell-Thick	SLU-SISMICA	29.0715	1.1432	49.85	-9.48
699	Shell-Thick	SLU-SISMICA	29.7899	1.8831	48.79	-9.48
699	Shell-Thick	SLE-RARA	16.4165	2.6409	22.31	-5.04
699	Shell-Thick	SLE-RARA	16.1036	2.1143	22.98	-5.04
699	Shell-Thick	SLE-RARA	12.7007	0.6407	22.98	-6.20
699	Shell-Thick	SLE-RARA	13.0248	1.0919	22.31	-6.20
699	Shell-Thick	SLE-FREQ.	14.8146	2.4218	20.26	-4.84
699	Shell-Thick	SLE-FREQ.	14.5329	1.9125	20.91	-4.84
699	Shell-Thick	SLE-FREQ.	11.4383	0.6019	20.91	-5.95
699	Shell-Thick	SLE-FREQ.	11.7320	1.0309	20.26	-5.95
699	Shell-Thick	SLE-QP	10.0092	1.7645	14.14	-4.23
699	Shell-Thick	SLE-QP	9.8208	1.3071	14.69	-4.23
699	Shell-Thick	SLE-QP	7.6511	0.4857	14.69	-5.19
699	Shell-Thick	SLE-QP	7.8536	0.8479	14.14	-5.19
700	Shell-Thick	SLU-STATICA	22.3854	3.2707	31.39	-6.46
700	Shell-Thick	SLU-STATICA	22.1266	2.7353	32.24	-6.46
700	Shell-Thick	SLU-STATICA	17.3662	1.1472	32.24	-7.93
700	Shell-Thick	SLU-STATICA	17.5989	1.8639	31.39	-7.93
700	Shell-Thick	SLU-SISMICA	36.7106	4.8779	49.60	-7.06
700	Shell-Thick	SLU-SISMICA	36.2824	4.4255	50.55	-7.06
700	Shell-Thick	SLU-SISMICA	28.8027	1.7240	50.55	-8.70
700	Shell-Thick	SLU-SISMICA	29.1629	2.6431	49.60	-8.70
700	Shell-Thick	SLE-RARA	16.2485	2.3982	22.88	-4.86
700	Shell-Thick	SLE-RARA	16.0609	1.9885	23.52	-4.86
700	Shell-Thick	SLE-RARA	12.5893	0.8405	23.52	-5.97
700	Shell-Thick	SLE-RARA	12.7592	1.3735	22.88	-5.97
700	Shell-Thick	SLE-FREQ.	14.6706	2.2070	20.81	-4.69
700	Shell-Thick	SLE-FREQ.	14.5015	1.8005	21.43	-4.69
700	Shell-Thick	SLE-FREQ.	11.3390	0.7724	21.43	-5.76
700	Shell-Thick	SLE-FREQ.	11.4942	1.2756	20.81	-5.76
700	Shell-Thick	SLE-QP	9.9370	1.6334	14.63	-4.19
700	Shell-Thick	SLE-QP	9.8235	1.2368	15.18	-4.19
700	Shell-Thick	SLE-QP	7.5882	0.5680	15.18	-5.13
700	Shell-Thick	SLE-QP	7.6994	0.9819	14.63	-5.13
701	Shell-Thick	SLU-STATICA	22.3152	3.6157	32.23	-6.23
701	Shell-Thick	SLU-STATICA	21.8352	2.9768	33.04	-6.23
701	Shell-Thick	SLU-STATICA	16.9333	0.9330	33.04	-7.64
701	Shell-Thick	SLU-STATICA	17.4242	1.5001	32.23	-7.64
701	Shell-Thick	SLU-SISMICA	36.5080	5.5091	50.54	-6.53
701	Shell-Thick	SLU-SISMICA	35.7217	4.9001	51.39	-6.53
701	Shell-Thick	SLU-SISMICA	28.0779	1.3890	51.39	-8.01
701	Shell-Thick	SLU-SISMICA	28.8579	2.0442	50.54	-8.01
701	Shell-Thick	SLE-RARA	16.2020	2.6454	23.51	-4.70
701	Shell-Thick	SLE-RARA	15.8535	2.1598	24.12	-4.70
701	Shell-Thick	SLE-RARA	12.2757	0.6843	24.12	-5.77
701	Shell-Thick	SLE-RARA	12.6333	1.1096	23.51	-5.77
701	Shell-Thick	SLE-FREQ.	14.6361	2.4246	21.42	-4.56
701	Shell-Thick	SLE-FREQ.	14.3214	1.9485	22.02	-4.56
701	Shell-Thick	SLE-FREQ.	11.0572	0.6299	22.02	-5.60
701	Shell-Thick	SLE-FREQ.	11.3822	1.0375	21.42	-5.60
701	Shell-Thick	SLE-QP	9.9385	1.7621	15.17	-4.14
701	Shell-Thick	SLE-QP	9.7251	1.3145	15.71	-4.14
701	Shell-Thick	SLE-QP	7.4015	0.4669	15.71	-5.08
701	Shell-Thick	SLE-QP	7.6289	0.8213	15.17	-5.08
702	Shell-Thick	SLU-STATICA	22.0040	3.2539	32.91	-5.97
702	Shell-Thick	SLU-STATICA	21.6559	2.7584	33.68	-5.97
702	Shell-Thick	SLU-STATICA	16.6721	1.1564	33.68	-7.31
702	Shell-Thick	SLU-STATICA	16.9965	1.8161	32.91	-7.31
702	Shell-Thick	SLU-SISMICA	35.9096	4.8864	51.17	-5.98



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702	Shell-Thick	SLU-SISMICA	35.3377	4.5351	51.92	-5.98
702	Shell-Thick	SLU-SISMICA	27.6366	1.8649	51.92	-7.28
702	Shell-Thick	SLU-SISMICA	28.1428	2.6667	51.17	-7.28
702	Shell-Thick	SLE-RARA	15.9805	2.3843	24.03	-4.53
702	Shell-Thick	SLE-RARA	15.7278	2.0016	24.61	-4.53
702	Shell-Thick	SLE-RARA	12.0868	0.8409	24.61	-5.54
702	Shell-Thick	SLE-RARA	12.3235	1.3337	24.03	-5.54
702	Shell-Thick	SLE-FREQ.	14.4437	2.1913	21.93	-4.41
702	Shell-Thick	SLE-FREQ.	14.2157	1.8062	22.51	-4.41
702	Shell-Thick	SLE-FREQ.	10.8877	0.7620	22.51	-5.40
702	Shell-Thick	SLE-FREQ.	11.1036	1.2309	21.93	-5.40
702	Shell-Thick	SLE-QP	9.8333	1.6125	15.66	-4.08
702	Shell-Thick	SLE-QP	9.6791	1.2201	16.19	-4.08
702	Shell-Thick	SLE-QP	7.2904	0.5251	16.19	-5.00
702	Shell-Thick	SLE-QP	7.4440	0.9226	15.66	-5.00
703	Shell-Thick	SLU-STATICA	21.8195	3.5292	33.67	-5.73
703	Shell-Thick	SLU-STATICA	21.2833	2.9525	34.40	-5.73
703	Shell-Thick	SLU-STATICA	16.1735	0.8973	34.40	-6.99
703	Shell-Thick	SLU-STATICA	16.7168	1.4272	33.67	-6.99
703	Shell-Thick	SLU-SISMICA	35.5147	5.3940	51.91	-5.46
703	Shell-Thick	SLU-SISMICA	34.6438	4.9209	52.57	-5.46
703	Shell-Thick	SLU-SISMICA	26.8132	1.4777	52.57	-6.60
703	Shell-Thick	SLU-SISMICA	27.6692	2.0543	51.91	-6.60
703	Shell-Thick	SLE-RARA	15.8511	2.5813	24.60	-4.36
703	Shell-Thick	SLE-RARA	15.4615	2.1392	25.16	-4.36
703	Shell-Thick	SLE-RARA	11.7251	0.6510	25.16	-5.31
703	Shell-Thick	SLE-RARA	12.1213	1.0502	24.60	-5.31
703	Shell-Thick	SLE-FREQ.	14.3348	2.3644	22.50	-4.27
703	Shell-Thick	SLE-FREQ.	13.9823	1.9247	23.04	-4.27
703	Shell-Thick	SLE-FREQ.	10.5616	0.5873	23.04	-5.22
703	Shell-Thick	SLE-FREQ.	10.9223	0.9728	22.50	-5.22
703	Shell-Thick	SLE-QP	9.7858	1.7138	16.18	-4.02
703	Shell-Thick	SLE-QP	9.5446	1.2811	16.70	-4.02
703	Shell-Thick	SLE-QP	7.0712	0.3960	16.70	-4.92
703	Shell-Thick	SLE-QP	7.3255	0.7405	16.18	-4.92
704	Shell-Thick	SLU-STATICA	21.4274	3.1527	34.27	-5.47
704	Shell-Thick	SLU-STATICA	20.9886	2.7018	34.95	-5.47
704	Shell-Thick	SLU-STATICA	15.8063	1.0657	34.95	-6.63
704	Shell-Thick	SLU-STATICA	16.2234	1.6674	34.27	-6.63
704	Shell-Thick	SLU-SISMICA	34.7855	4.7696	52.36	-4.93
704	Shell-Thick	SLU-SISMICA	34.0698	4.5178	52.92	-4.93
704	Shell-Thick	SLU-SISMICA	26.2035	1.8589	52.92	-5.89
704	Shell-Thick	SLU-SISMICA	26.8554	2.5485	52.36	-5.89
704	Shell-Thick	SLE-RARA	15.5708	2.3083	25.07	-4.17
704	Shell-Thick	SLE-RARA	15.2521	1.9568	25.59	-4.17
704	Shell-Thick	SLE-RARA	11.4590	0.7680	25.59	-5.06
704	Shell-Thick	SLE-RARA	11.7633	1.2196	25.07	-5.06
704	Shell-Thick	SLE-FREQ.	14.0891	2.1185	22.96	-4.11
704	Shell-Thick	SLE-FREQ.	13.8010	1.7593	23.48	-4.11
704	Shell-Thick	SLE-FREQ.	10.3221	0.6839	23.48	-5.00
704	Shell-Thick	SLE-FREQ.	10.5995	1.1171	22.96	-5.00
704	Shell-Thick	SLE-QP	9.6440	1.5492	16.65	-3.93
704	Shell-Thick	SLE-QP	9.4478	1.1668	17.16	-3.93
704	Shell-Thick	SLE-QP	6.9111	0.4316	17.16	-4.81
704	Shell-Thick	SLE-QP	7.1082	0.8097	16.65	-4.81
705	Shell-Thick	SLU-STATICA	21.1269	3.3613	34.94	-5.20
705	Shell-Thick	SLU-STATICA	20.5306	2.8513	35.56	-5.20
705	Shell-Thick	SLU-STATICA	15.2397	0.7745	35.56	-6.28
705	Shell-Thick	SLU-STATICA	15.8394	1.2631	34.94	-6.28
705	Shell-Thick	SLU-SISMICA	34.2008	5.1619	52.91	-4.42
705	Shell-Thick	SLU-SISMICA	33.2392	4.8215	53.36	-4.42
705	Shell-Thick	SLU-SISMICA	25.2782	1.4417	53.36	-5.20
705	Shell-Thick	SLU-SISMICA	26.2172	1.9383	52.91	-5.20
705	Shell-Thick	SLE-RARA	15.3572	2.4573	25.58	-3.98
705	Shell-Thick	SLE-RARA	14.9236	2.0624	26.06	-3.98
705	Shell-Thick	SLE-RARA	11.0476	0.5536	26.06	-4.81
705	Shell-Thick	SLE-RARA	11.4851	0.9234	25.58	-4.81
705	Shell-Thick	SLE-FREQ.	13.9042	2.2487	23.47	-3.95
705	Shell-Thick	SLE-FREQ.	13.5112	1.8496	23.96	-3.95

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705	Shell-Thick	SLE-FREQ.	9.9502	0.4851	23.96	-4.78
705	Shell-Thick	SLE-FREQ.	10.3490	0.8452	23.47	-4.78
705	Shell-Thick	SLE-QP	9.5449	1.6230	17.15	-3.84
705	Shell-Thick	SLE-QP	9.2741	1.2113	17.64	-3.84
705	Shell-Thick	SLE-QP	6.6581	0.2797	17.64	-4.69
705	Shell-Thick	SLE-QP	6.9409	0.6104	17.15	-4.69
706	Shell-Thick	SLU-STATICA	20.6494	2.9764	35.45	-4.91
706	Shell-Thick	SLU-STATICA	20.1209	2.5769	36.02	-4.91
706	Shell-Thick	SLU-STATICA	14.7694	0.8942	36.02	-5.88
706	Shell-Thick	SLU-STATICA	15.2777	1.4334	35.45	-5.88
706	Shell-Thick	SLU-SISMICA	33.3366	4.5465	53.18	-3.88
706	Shell-Thick	SLU-SISMICA	32.4820	4.3956	53.52	-3.88
706	Shell-Thick	SLU-SISMICA	24.5086	1.7416	53.52	-4.48
706	Shell-Thick	SLU-SISMICA	25.3010	2.3178	53.18	-4.48
706	Shell-Thick	SLE-RARA	15.0147	2.1771	25.98	-3.77
706	Shell-Thick	SLE-RARA	14.6305	1.8620	26.42	-3.77
706	Shell-Thick	SLE-RARA	10.7061	0.6353	26.42	-4.53
706	Shell-Thick	SLE-RARA	11.0771	1.0421	25.98	-4.53
706	Shell-Thick	SLE-FREQ.	13.6018	1.9944	23.88	-3.76
706	Shell-Thick	SLE-FREQ.	13.2539	1.6666	24.33	-3.76
706	Shell-Thick	SLE-FREQ.	9.6417	0.5500	24.33	-4.53
706	Shell-Thick	SLE-FREQ.	9.9803	0.9437	23.88	-4.53
706	Shell-Thick	SLE-QP	9.3633	1.4462	17.59	-3.74
706	Shell-Thick	SLE-QP	9.1241	1.0805	18.06	-3.74
706	Shell-Thick	SLE-QP	6.4487	0.2941	18.06	-4.54
706	Shell-Thick	SLE-QP	6.6897	0.6486	17.59	-4.54
707	Shell-Thick	SLU-STATICA	20.2327	3.1227	36.01	-4.61
707	Shell-Thick	SLU-STATICA	19.5744	2.6854	36.51	-4.61
707	Shell-Thick	SLU-STATICA	14.1339	0.5812	36.51	-5.47
707	Shell-Thick	SLU-STATICA	14.7921	1.0211	36.01	-5.47
707	Shell-Thick	SLU-SISMICA	32.5682	4.8354	53.52	-3.35
707	Shell-Thick	SLU-SISMICA	31.5147	4.6270	53.75	-3.35
707	Shell-Thick	SLU-SISMICA	23.4824	1.3119	53.75	-3.75
707	Shell-Thick	SLU-SISMICA	24.5064	1.7216	53.52	-3.75
707	Shell-Thick	SLE-RARA	14.7165	2.2809	26.41	-3.56
707	Shell-Thick	SLE-RARA	14.2373	1.9381	26.81	-3.56
707	Shell-Thick	SLE-RARA	10.2440	0.4040	26.81	-4.23
707	Shell-Thick	SLE-RARA	10.7245	0.7388	26.41	-4.23
707	Shell-Thick	SLE-FREQ.	13.3399	2.0839	24.32	-3.57
707	Shell-Thick	SLE-FREQ.	12.9050	1.7307	24.73	-3.57
707	Shell-Thick	SLE-FREQ.	9.2232	0.3339	24.73	-4.27
707	Shell-Thick	SLE-FREQ.	9.6618	0.6630	24.32	-4.27
707	Shell-Thick	SLE-QP	9.2101	1.4929	18.05	-3.62
707	Shell-Thick	SLE-QP	8.9081	1.1087	18.50	-3.62
707	Shell-Thick	SLE-QP	6.1606	0.1239	18.50	-4.38
707	Shell-Thick	SLE-QP	6.4735	0.4356	18.05	-4.38
708	Shell-Thick	SLU-STATICA	19.6661	2.7335	36.41	-4.28
708	Shell-Thick	SLU-STATICA	19.0529	2.3934	36.84	-4.28
708	Shell-Thick	SLU-STATICA	13.5664	0.6573	36.84	-5.02
708	Shell-Thick	SLU-STATICA	14.1609	1.1266	36.41	-5.02
708	Shell-Thick	SLU-SISMICA	31.5680	4.2355	53.59	-2.79
708	Shell-Thick	SLU-SISMICA	30.5866	4.1892	53.71	-2.79
708	Shell-Thick	SLU-SISMICA	22.5670	1.5435	53.71	-2.99
708	Shell-Thick	SLU-SISMICA	23.4884	1.9999	53.59	-2.99
708	Shell-Thick	SLE-RARA	14.3087	1.9964	26.74	-3.32
708	Shell-Thick	SLE-RARA	13.8624	1.7241	27.08	-3.32
708	Shell-Thick	SLE-RARA	9.8314	0.4539	27.08	-3.91
708	Shell-Thick	SLE-RARA	10.2655	0.8102	26.74	-3.91
708	Shell-Thick	SLE-FREQ.	12.9778	1.8237	24.67	-3.36
708	Shell-Thick	SLE-FREQ.	12.5728	1.5340	25.02	-3.36
708	Shell-Thick	SLE-FREQ.	8.8493	0.3699	25.02	-3.98
708	Shell-Thick	SLE-FREQ.	9.2459	0.7184	24.67	-3.98
708	Shell-Thick	SLE-QP	8.9851	1.3057	18.45	-3.48
708	Shell-Thick	SLE-QP	8.7038	0.9638	18.86	-3.48
708	Shell-Thick	SLE-QP	5.9031	0.1178	18.86	-4.19
708	Shell-Thick	SLE-QP	6.1869	0.4432	18.45	-4.19
709	Shell-Thick	SLU-STATICA	19.1374	2.8159	36.84	-3.93
709	Shell-Thick	SLU-STATICA	18.3880	2.4423	37.21	-3.93
709	Shell-Thick	SLU-STATICA	12.8346	0.3256	37.21	-4.54

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709	Shell-Thick	SLU-STATICA	13.5797	0.7236	36.84	-4.54
709	Shell-Thick	SLU-SISMICA	30.6284	4.4194	53.71	-2.21
709	Shell-Thick	SLU-SISMICA	29.4380	4.3326	53.70	-2.21
709	Shell-Thick	SLU-SISMICA	21.4008	1.1215	53.70	-2.20
709	Shell-Thick	SLU-SISMICA	22.5497	1.4359	53.71	-2.20
709	Shell-Thick	SLE-RARA	13.9286	2.0538	27.08	-3.06
709	Shell-Thick	SLE-RARA	13.3827	1.7565	27.37	-3.06
709	Shell-Thick	SLE-RARA	9.2984	0.2071	27.37	-3.56
709	Shell-Thick	SLE-RARA	9.8429	0.5128	27.08	-3.56
709	Shell-Thick	SLE-FREQ.	12.6408	1.8714	25.02	-3.13
709	Shell-Thick	SLE-FREQ.	12.1447	1.5578	25.34	-3.13
709	Shell-Thick	SLE-FREQ.	8.3652	0.1366	25.34	-3.66
709	Shell-Thick	SLE-FREQ.	8.8631	0.4416	25.02	-3.66
709	Shell-Thick	SLE-QP	8.7775	1.3241	18.86	-3.33
709	Shell-Thick	SLE-QP	8.4304	0.9619	19.25	-3.33
709	Shell-Thick	SLE-QP	5.5654	-0.0749	19.25	-3.97
709	Shell-Thick	SLE-QP	5.9235	0.2281	18.86	-3.97
710	Shell-Thick	SLU-STATICA	18.4777	2.5211	37.12	-3.31
710	Shell-Thick	SLU-STATICA	17.0486	1.9443	37.60	-3.31
710	Shell-Thick	SLU-STATICA	11.4675	0.1025	37.60	-3.73
710	Shell-Thick	SLU-STATICA	12.8394	0.7193	37.12	-3.73
710	Shell-Thick	SLU-SISMICA	29.4620	3.8805	53.56	-1.26
710	Shell-Thick	SLU-SISMICA	27.1781	3.7675	53.18	-1.26
710	Shell-Thick	SLU-SISMICA	19.2694	1.1471	53.18	-0.93
710	Shell-Thick	SLU-SISMICA	21.3432	1.4056	53.56	-0.93
710	Shell-Thick	SLE-RARA	13.4540	1.8426	27.31	-2.61
710	Shell-Thick	SLE-RARA	12.4137	1.3825	27.71	-2.61
710	Shell-Thick	SLE-RARA	8.3007	0.0257	27.71	-2.97
710	Shell-Thick	SLE-RARA	9.3052	0.5109	27.31	-2.97
710	Shell-Thick	SLE-FREQ.	12.2195	1.6855	25.29	-2.71
710	Shell-Thick	SLE-FREQ.	11.2751	1.1986	25.75	-2.71
710	Shell-Thick	SLE-FREQ.	7.4548	-0.0608	25.75	-3.12
710	Shell-Thick	SLE-FREQ.	8.3769	0.4419	25.29	-3.12
710	Shell-Thick	SLE-QP	8.5163	1.2140	19.21	-3.03
710	Shell-Thick	SLE-QP	7.8596	0.6468	19.86	-3.03
710	Shell-Thick	SLE-QP	4.9173	-0.3202	19.86	-3.59
710	Shell-Thick	SLE-QP	5.5920	0.2349	19.21	-3.59
711	Shell-Thick	SLU-STATICA	17.1172	2.2541	37.59	-2.63
711	Shell-Thick	SLU-STATICA	16.3222	2.0385	37.66	-2.63
711	Shell-Thick	SLU-STATICA	10.6797	-0.1093	37.66	-2.76
711	Shell-Thick	SLU-STATICA	11.4692	0.1443	37.59	-2.76
711	Shell-Thick	SLU-SISMICA	27.1740	3.7108	53.16	-0.26
711	Shell-Thick	SLU-SISMICA	25.9310	3.8450	52.76	-0.26
711	Shell-Thick	SLU-SISMICA	18.0030	0.7621	52.76	0.44
711	Shell-Thick	SLU-SISMICA	19.2089	0.8808	53.16	0.44
711	Shell-Thick	SLE-RARA	12.4693	1.6355	27.70	-2.11
711	Shell-Thick	SLE-RARA	11.8892	1.4546	27.79	-2.11
711	Shell-Thick	SLE-RARA	7.7276	-0.1263	27.79	-2.25
711	Shell-Thick	SLE-RARA	8.3050	0.0726	27.70	-2.25
711	Shell-Thick	SLE-FREQ.	11.3354	1.4754	25.74	-2.26
711	Shell-Thick	SLE-FREQ.	10.8064	1.2703	25.86	-2.26
711	Shell-Thick	SLE-FREQ.	6.9352	-0.1948	25.86	-2.46
711	Shell-Thick	SLE-FREQ.	7.4642	0.0103	25.74	-2.46
711	Shell-Thick	SLE-QP	7.9336	0.9953	19.85	-2.68
711	Shell-Thick	SLE-QP	7.5580	0.7173	20.08	-2.68
711	Shell-Thick	SLE-QP	4.5581	-0.4003	20.08	-3.08
711	Shell-Thick	SLE-QP	4.9417	-0.1767	19.85	-3.08
712	Shell-Thick	SLU-STATICA	16.3310	1.8505	37.61	-2.06
712	Shell-Thick	SLU-STATICA	15.5460	1.7246	37.57	-2.06
712	Shell-Thick	SLU-STATICA	9.9134	-0.0849	37.57	-2.00
712	Shell-Thick	SLU-STATICA	10.6836	0.1420	37.61	-2.00
712	Shell-Thick	SLU-SISMICA	25.8655	3.1409	52.67	0.52
712	Shell-Thick	SLU-SISMICA	24.6423	3.4037	52.12	0.52
712	Shell-Thick	SLU-SISMICA	16.8069	0.9254	52.12	1.47
712	Shell-Thick	SLU-SISMICA	17.9783	1.0150	52.67	1.47
712	Shell-Thick	SLE-RARA	11.8996	1.3379	27.75	-1.69
712	Shell-Thick	SLE-RARA	11.3266	1.2232	27.74	-1.69
712	Shell-Thick	SLE-RARA	7.1683	-0.1147	27.74	-1.69
712	Shell-Thick	SLE-RARA	7.7319	0.0641	27.75	-1.69

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712	Shell-Thick	SLE-FREQ.	10.8226	1.1989	25.82	-1.86
712	Shell-Thick	SLE-FREQ.	10.2998	1.0550	25.87	-1.86
712	Shell-Thick	SLE-FREQ.	6.4250	-0.1949	25.87	-1.93
712	Shell-Thick	SLE-FREQ.	6.9418	-0.0092	25.82	-1.93
712	Shell-Thick	SLE-QP	7.5918	0.7818	20.06	-2.37
712	Shell-Thick	SLE-QP	7.2193	0.5506	20.23	-2.37
712	Shell-Thick	SLE-QP	4.1953	-0.4355	20.23	-2.66
712	Shell-Thick	SLE-QP	4.5714	-0.2292	20.06	-2.66
713	Shell-Thick	SLU-STATICA	15.5395	1.8272	37.60	-1.41
713	Shell-Thick	SLU-STATICA	14.7095	1.7382	37.44	-1.41
713	Shell-Thick	SLU-STATICA	9.0827	-0.3889	37.44	-1.14
713	Shell-Thick	SLU-STATICA	9.9062	-0.2559	37.60	-1.14
713	Shell-Thick	SLU-SISMICA	24.5584	3.1889	52.16	1.36
713	Shell-Thick	SLU-SISMICA	23.2711	3.4873	51.45	1.36
713	Shell-Thick	SLU-SISMICA	15.5165	0.5628	51.45	2.58
713	Shell-Thick	SLU-SISMICA	16.7664	0.5179	52.16	2.58
713	Shell-Thick	SLE-RARA	11.3255	1.3167	27.77	-1.21
713	Shell-Thick	SLE-RARA	10.7194	1.2300	27.67	-1.21
713	Shell-Thick	SLE-RARA	6.5618	-0.3421	27.67	-1.05
713	Shell-Thick	SLE-RARA	7.1645	-0.2325	27.77	-1.05
713	Shell-Thick	SLE-FREQ.	10.3051	1.1724	25.89	-1.41
713	Shell-Thick	SLE-FREQ.	9.7515	1.0559	25.84	-1.41
713	Shell-Thick	SLE-FREQ.	5.8713	-0.4119	25.84	-1.33
713	Shell-Thick	SLE-FREQ.	6.4241	-0.2903	25.89	-1.33
713	Shell-Thick	SLE-QP	7.2438	0.7392	20.24	-2.00
713	Shell-Thick	SLE-QP	6.8478	0.5337	20.34	-2.00
713	Shell-Thick	SLE-QP	3.7997	-0.6212	20.34	-2.17
713	Shell-Thick	SLE-QP	4.2028	-0.4639	20.24	-2.17
714	Shell-Thick	SLU-STATICA	14.6760	1.4327	37.41	-0.68
714	Shell-Thick	SLU-STATICA	13.8541	1.4341	37.12	-0.68
714	Shell-Thick	SLU-STATICA	8.2685	-0.3458	37.12	-0.18
714	Shell-Thick	SLU-STATICA	9.0789	-0.2695	37.41	-0.18
714	Shell-Thick	SLU-SISMICA	23.1513	2.6498	51.39	2.28
714	Shell-Thick	SLU-SISMICA	21.8803	3.0664	50.52	2.28
714	Shell-Thick	SLU-SISMICA	14.2572	0.7475	50.52	3.80
714	Shell-Thick	SLU-SISMICA	15.4832	0.6352	51.39	3.80
714	Shell-Thick	SLE-RARA	10.6983	1.0249	27.65	-0.66
714	Shell-Thick	SLE-RARA	10.0978	1.0053	27.46	-0.66
714	Shell-Thick	SLE-RARA	5.9669	-0.3165	27.46	-0.33
714	Shell-Thick	SLE-RARA	6.5604	-0.2493	27.65	-0.33
714	Shell-Thick	SLE-FREQ.	9.7380	0.8997	25.82	-0.89
714	Shell-Thick	SLE-FREQ.	9.1893	0.8464	25.68	-0.89
714	Shell-Thick	SLE-FREQ.	5.3277	-0.3985	25.68	-0.65
714	Shell-Thick	SLE-FREQ.	5.8723	-0.3175	25.82	-0.65
714	Shell-Thick	SLE-QP	6.8572	0.5238	20.33	-1.57
714	Shell-Thick	SLE-QP	6.4635	0.3696	20.35	-1.57
714	Shell-Thick	SLE-QP	3.4098	-0.6447	20.35	-1.61
714	Shell-Thick	SLE-QP	3.8081	-0.5221	20.33	-1.61
715	Shell-Thick	SLU-STATICA	13.8020	1.3916	37.17	0.13
715	Shell-Thick	SLU-STATICA	12.9584	1.4565	36.73	0.13
715	Shell-Thick	SLU-STATICA	7.4174	-0.6074	36.73	0.89
715	Shell-Thick	SLU-STATICA	8.2549	-0.6313	37.17	0.89
715	Shell-Thick	SLU-SISMICA	21.7392	2.6733	50.59	3.28
715	Shell-Thick	SLU-SISMICA	20.4385	3.1563	49.53	3.28
715	Shell-Thick	SLU-SISMICA	12.9451	0.4489	49.53	5.10
715	Shell-Thick	SLU-SISMICA	14.2107	0.2023	50.59	5.10
715	Shell-Thick	SLE-RARA	10.0628	0.9906	27.50	-5.695E-02
715	Shell-Thick	SLE-RARA	9.4464	1.0190	27.19	-5.695E-02
715	Shell-Thick	SLE-RARA	5.3451	-0.5129	27.19	0.46
715	Shell-Thick	SLE-RARA	5.9583	-0.5199	27.50	0.46
715	Shell-Thick	SLE-FREQ.	9.1625	0.8609	25.72	-0.31
715	Shell-Thick	SLE-FREQ.	8.5987	0.8542	25.47	-0.31
715	Shell-Thick	SLE-FREQ.	4.7590	-0.5870	25.47	0.11
715	Shell-Thick	SLE-FREQ.	5.3219	-0.5756	25.72	0.11
715	Shell-Thick	SLE-QP	6.4613	0.4716	20.37	-1.09
715	Shell-Thick	SLE-QP	6.0558	0.3597	20.30	-1.09
715	Shell-Thick	SLE-QP	3.0009	-0.8095	20.30	-0.97
715	Shell-Thick	SLE-QP	3.4129	-0.7427	20.37	-0.97
716	Shell-Thick	SLU-STATICA	12.8763	1.0170	36.72	1.04

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716	Shell-Thick	SLU-STATICA	12.0442	1.1751	36.13	1.04
716	Shell-Thick	SLU-STATICA	6.5824	-0.5151	36.13	2.07
716	Shell-Thick	SLU-STATICA	7.4076	-0.6278	36.72	2.07
716	Shell-Thick	SLU-SISMICA	20.2592	2.1756	49.51	4.37
716	Shell-Thick	SLU-SISMICA	18.9786	2.7695	48.26	4.37
716	Shell-Thick	SLU-SISMICA	11.6615	0.6936	48.26	6.52
716	Shell-Thick	SLU-SISMICA	12.9064	0.3401	49.51	6.52
716	Shell-Thick	SLE-RARA	9.3890	0.7129	27.19	0.62
716	Shell-Thick	SLE-RARA	8.7808	0.8110	26.77	0.62
716	Shell-Thick	SLE-RARA	4.7347	-0.4505	26.77	1.35
716	Shell-Thick	SLE-RARA	5.3390	-0.5239	27.19	1.35
716	Shell-Thick	SLE-FREQ.	8.5507	0.6001	25.47	0.33
716	Shell-Thick	SLE-FREQ.	7.9945	0.6600	25.11	0.33
716	Shell-Thick	SLE-FREQ.	4.2006	-0.5387	25.11	0.95
716	Shell-Thick	SLE-FREQ.	4.7555	-0.5905	25.47	0.95
716	Shell-Thick	SLE-QP	6.0360	0.2617	20.31	-0.53
716	Shell-Thick	SLE-QP	5.6353	0.2069	20.14	-0.53
716	Shell-Thick	SLE-QP	2.5981	-0.8034	20.14	-0.25
716	Shell-Thick	SLE-QP	3.0049	-0.7904	20.31	-0.25
717	Shell-Thick	SLU-STATICA	11.9398	0.9823	36.20	2.05
717	Shell-Thick	SLU-STATICA	11.1122	1.2318	35.43	2.05
717	Shell-Thick	SLU-STATICA	5.7404	-0.7143	35.43	3.38
717	Shell-Thick	SLU-STATICA	6.5638	-0.9371	36.20	3.38
717	Shell-Thick	SLU-SISMICA	18.7747	2.2083	48.37	5.55
717	Shell-Thick	SLU-SISMICA	17.5012	2.8999	46.92	5.55
717	Shell-Thick	SLU-SISMICA	10.3679	0.4774	46.92	8.05
717	Shell-Thick	SLU-SISMICA	11.6115	-0.0145	48.37	8.05
717	Shell-Thick	SLE-RARA	8.7067	0.6832	26.82	1.38
717	Shell-Thick	SLE-RARA	8.1018	0.8502	26.27	1.38
717	Shell-Thick	SLE-RARA	4.1192	-0.6006	26.27	2.33
717	Shell-Thick	SLE-RARA	4.7222	-0.7560	26.82	2.33
717	Shell-Thick	SLE-FREQ.	7.9304	0.5656	25.16	1.06
717	Shell-Thick	SLE-FREQ.	7.3770	0.6922	24.68	1.06
717	Shell-Thick	SLE-FREQ.	3.6373	-0.6837	24.68	1.89
717	Shell-Thick	SLE-FREQ.	4.1909	-0.8132	25.16	1.89
717	Shell-Thick	SLE-QP	5.6012	0.2128	20.18	8.987E-02
717	Shell-Thick	SLE-QP	5.2025	0.2180	19.91	8.987E-02
717	Shell-Thick	SLE-QP	2.1917	-0.9331	19.91	0.56
717	Shell-Thick	SLE-QP	2.5972	-0.9847	20.18	0.56
718	Shell-Thick	SLU-STATICA	10.9740	0.6351	35.45	3.17
718	Shell-Thick	SLU-STATICA	10.1666	0.9832	34.49	3.17
718	Shell-Thick	SLU-STATICA	4.9196	-0.5316	34.49	4.82
718	Shell-Thick	SLU-STATICA	5.7264	-0.8786	35.45	4.82
718	Shell-Thick	SLU-SISMICA	17.2560	1.7564	46.93	6.84
718	Shell-Thick	SLU-SISMICA	16.0126	2.5549	45.27	6.84
718	Shell-Thick	SLU-SISMICA	9.1073	0.8325	45.27	9.72
718	Shell-Thick	SLU-SISMICA	10.3271	0.1909	46.93	9.72
718	Shell-Thick	SLE-RARA	8.0024	0.4254	26.29	2.22
718	Shell-Thick	SLE-RARA	7.4124	0.6667	25.60	2.22
718	Shell-Thick	SLE-RARA	3.5191	-0.4707	25.60	3.41
718	Shell-Thick	SLE-RARA	4.1099	-0.7191	26.29	3.41
718	Shell-Thick	SLE-FREQ.	7.2888	0.3228	24.70	1.86
718	Shell-Thick	SLE-FREQ.	6.7492	0.5211	24.08	1.86
718	Shell-Thick	SLE-FREQ.	3.0882	-0.5712	24.08	2.93
718	Shell-Thick	SLE-FREQ.	3.6305	-0.7892	24.70	2.93
718	Shell-Thick	SLE-QP	5.1481	0.0148	19.92	0.79
718	Shell-Thick	SLE-QP	4.7596	0.0843	19.53	0.79
718	Shell-Thick	SLE-QP	1.7955	-0.8727	19.53	1.47
718	Shell-Thick	SLE-QP	2.1922	-0.9997	19.92	1.47
719	Shell-Thick	SLU-STATICA	10.0026	0.6374	34.60	4.41
719	Shell-Thick	SLU-STATICA	9.2298	1.1078	33.44	4.41
719	Shell-Thick	SLU-STATICA	4.1254	-0.6441	33.44	6.42
719	Shell-Thick	SLU-STATICA	4.8978	-1.1152	34.60	6.42
719	Shell-Thick	SLU-SISMICA	15.7396	1.8380	45.42	8.24
719	Shell-Thick	SLU-SISMICA	14.5443	2.7687	43.52	8.24
719	Shell-Thick	SLU-SISMICA	7.8829	0.7189	43.52	11.52
719	Shell-Thick	SLU-SISMICA	9.0565	-0.0694	45.42	11.52
719	Shell-Thick	SLE-RARA	7.2935	0.4232	25.68	3.15
719	Shell-Thick	SLE-RARA	6.7290	0.7567	24.84	3.15

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719	Shell-Thick	SLE-RARA	2.9388	-0.5560	24.84	4.61
719	Shell-Thick	SLE-RARA	3.5040	-0.8971	25.68	4.61
719	Shell-Thick	SLE-FREQ.	6.6422	0.3141	24.16	2.76
719	Shell-Thick	SLE-FREQ.	6.1263	0.6015	23.40	2.76
719	Shell-Thick	SLE-FREQ.	2.5575	-0.6543	23.40	4.07
719	Shell-Thick	SLE-FREQ.	3.0759	-0.9610	24.16	4.07
719	Shell-Thick	SLE-QP	4.6883	-0.0132	19.59	1.58
719	Shell-Thick	SLE-QP	4.3183	0.1361	19.07	1.58
719	Shell-Thick	SLE-QP	1.4137	-0.9492	19.07	2.48
719	Shell-Thick	SLE-QP	1.7914	-1.1525	19.59	2.48
720	Shell-Thick	SLU-STATICA	9.0279	0.3321	33.49	5.78
720	Shell-Thick	SLU-STATICA	8.2871	0.9093	32.11	5.78
720	Shell-Thick	SLU-STATICA	3.3612	-0.3180	32.11	8.17
720	Shell-Thick	SLU-STATICA	4.1101	-0.9545	33.49	8.17
720	Shell-Thick	SLU-SISMICA	14.2264	1.4430	43.58	9.78
720	Shell-Thick	SLU-SISMICA	13.0733	2.4794	41.44	9.78
720	Shell-Thick	SLU-SISMICA	6.6990	1.2455	41.44	13.48
720	Shell-Thick	SLU-SISMICA	7.8438	0.2592	43.58	13.48
720	Shell-Thick	SLE-RARA	6.5818	0.1963	24.88	4.18
720	Shell-Thick	SLE-RARA	6.0409	0.6108	23.87	4.18
720	Shell-Thick	SLE-RARA	2.3806	-0.3189	23.87	5.93
720	Shell-Thick	SLE-RARA	2.9283	-0.7837	24.88	5.93
720	Shell-Thick	SLE-FREQ.	5.9923	0.1001	23.44	3.75
720	Shell-Thick	SLE-FREQ.	5.4987	0.4667	22.51	3.75
720	Shell-Thick	SLE-FREQ.	2.0476	-0.4395	22.51	5.35
720	Shell-Thick	SLE-FREQ.	2.5493	-0.8641	23.44	5.35
720	Shell-Thick	SLE-QP	4.2238	-0.1883	19.11	2.46
720	Shell-Thick	SLE-QP	3.8718	0.0344	18.45	2.46
720	Shell-Thick	SLE-QP	1.0486	-0.8014	18.45	3.60
720	Shell-Thick	SLE-QP	1.4122	-1.1054	19.11	3.60
721	Shell-Thick	SLU-STATICA	8.0558	0.4102	32.26	7.31
721	Shell-Thick	SLU-STATICA	7.3878	1.1461	30.65	7.31
721	Shell-Thick	SLU-STATICA	2.6652	-0.3076	30.65	10.11
721	Shell-Thick	SLU-STATICA	3.3389	-1.0869	32.26	10.11
721	Shell-Thick	SLU-SISMICA	12.7244	1.6196	41.64	11.46
721	Shell-Thick	SLU-SISMICA	11.6703	2.8285	39.25	11.46
721	Shell-Thick	SLU-SISMICA	5.6069	1.2646	39.25	15.61
721	Shell-Thick	SLU-SISMICA	6.6507	0.1189	41.64	15.61
721	Shell-Thick	SLE-RARA	5.8715	0.2506	23.98	5.33
721	Shell-Thick	SLE-RARA	5.3846	0.7846	22.79	5.33
721	Shell-Thick	SLE-RARA	1.8730	-0.3114	22.79	7.38
721	Shell-Thick	SLE-RARA	2.3650	-0.8836	23.98	7.38
721	Shell-Thick	SLE-FREQ.	5.3431	0.1450	22.62	4.86
721	Shell-Thick	SLE-FREQ.	4.8999	0.6270	21.53	4.86
721	Shell-Thick	SLE-FREQ.	1.5850	-0.4329	21.53	6.75
721	Shell-Thick	SLE-FREQ.	2.0345	-0.9609	22.62	6.75
721	Shell-Thick	SLE-QP	3.7578	-0.1717	18.53	3.44
721	Shell-Thick	SLE-QP	3.4458	0.1542	17.72	3.44
721	Shell-Thick	SLE-QP	0.7212	-0.7975	17.72	4.85
721	Shell-Thick	SLE-QP	1.0431	-1.1929	18.53	4.85
722	Shell-Thick	SLU-STATICA	7.1352	0.2207	30.73	8.90
722	Shell-Thick	SLU-STATICA	6.5751	0.9403	29.11	8.90
722	Shell-Thick	SLU-STATICA	2.0817	0.1687	29.11	12.10
722	Shell-Thick	SLU-STATICA	2.6513	-0.7145	30.73	12.10
722	Shell-Thick	SLU-SISMICA	11.3000	1.3669	39.34	13.20
722	Shell-Thick	SLU-SISMICA	10.4069	2.4987	37.02	13.20
722	Shell-Thick	SLU-SISMICA	4.6764	1.9451	37.02	17.77
722	Shell-Thick	SLU-SISMICA	5.5748	0.7137	39.34	17.77
722	Shell-Thick	SLE-RARA	5.1991	0.1101	22.85	6.53
722	Shell-Thick	SLE-RARA	4.7913	0.6348	21.66	6.53
722	Shell-Thick	SLE-RARA	1.4481	0.0393	21.66	8.88
722	Shell-Thick	SLE-RARA	1.8634	-0.6126	22.85	8.88
722	Shell-Thick	SLE-FREQ.	4.7286	0.0132	21.58	6.02
722	Shell-Thick	SLE-FREQ.	4.3583	0.4911	20.48	6.02
722	Shell-Thick	SLE-FREQ.	1.1992	-0.1077	20.48	8.20
722	Shell-Thick	SLE-FREQ.	1.5772	-0.7148	21.58	8.20
722	Shell-Thick	SLE-QP	3.3173	-0.2776	17.77	4.48
722	Shell-Thick	SLE-QP	3.0592	0.0599	16.93	4.48
722	Shell-Thick	SLE-QP	0.4524	-0.5486	16.93	6.14

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722	Shell-Thick	SLE-QP	0.7186	-1.0216	17.77	6.14
723	Shell-Thick	SLU-STATICA	21.4069	0.6801	23.06	-11.84
723	Shell-Thick	SLU-STATICA	21.0109	-0.1689	23.67	-11.84
723	Shell-Thick	SLU-STATICA	17.5382	-1.9836	23.67	-12.88
723	Shell-Thick	SLU-STATICA	17.8682	-0.6814	23.06	-12.88
723	Shell-Thick	SLU-SISMICA	35.5430	0.2373	37.32	-18.44
723	Shell-Thick	SLU-SISMICA	34.8342	-1.0342	38.38	-18.44
723	Shell-Thick	SLU-SISMICA	29.2152	-4.1226	38.38	-20.26
723	Shell-Thick	SLU-SISMICA	29.8040	-2.0272	37.32	-20.26
723	Shell-Thick	SLE-RARA	15.5165	0.5374	16.77	-8.65
723	Shell-Thick	SLE-RARA	15.2320	-0.0849	17.20	-8.65
723	Shell-Thick	SLE-RARA	12.7076	-1.3965	17.20	-9.39
723	Shell-Thick	SLE-RARA	12.9447	-0.4493	16.77	-9.39
723	Shell-Thick	SLE-FREQ.	13.9722	0.5606	15.18	-7.89
723	Shell-Thick	SLE-FREQ.	13.7205	-0.0117	15.57	-7.89
723	Shell-Thick	SLE-FREQ.	11.4347	-1.1863	15.57	-8.56
723	Shell-Thick	SLE-FREQ.	11.6447	-0.3276	15.18	-8.56
723	Shell-Thick	SLE-QP	9.3393	0.6300	10.43	-5.63
723	Shell-Thick	SLE-QP	9.1857	0.2080	10.67	-5.63
723	Shell-Thick	SLE-QP	7.6158	-0.5556	10.67	-6.04
723	Shell-Thick	SLE-QP	7.7445	0.0374	10.43	-6.04
724	Shell-Thick	SLU-STATICA	21.3211	1.1890	23.62	-11.16
724	Shell-Thick	SLU-STATICA	20.3476	0.1427	24.38	-11.16
724	Shell-Thick	SLU-STATICA	16.7438	-1.8790	24.38	-12.49
724	Shell-Thick	SLU-STATICA	17.7228	-0.8681	23.62	-12.49
724	Shell-Thick	SLU-SISMICA	35.3349	1.1630	38.30	-16.80
724	Shell-Thick	SLU-SISMICA	33.6200	-0.4108	39.60	-16.80
724	Shell-Thick	SLU-SISMICA	27.7738	-3.9701	39.60	-19.05
724	Shell-Thick	SLU-SISMICA	29.4935	-2.4249	38.30	-19.05
724	Shell-Thick	SLE-RARA	15.4576	0.9023	17.16	-8.18
724	Shell-Thick	SLE-RARA	14.7569	0.1357	17.72	-8.18
724	Shell-Thick	SLE-RARA	12.1378	-1.3196	17.72	-9.14
724	Shell-Thick	SLE-RARA	12.8427	-0.5802	17.16	-9.14
724	Shell-Thick	SLE-FREQ.	13.9248	0.8822	15.53	-7.51
724	Shell-Thick	SLE-FREQ.	13.3023	0.1778	16.03	-7.51
724	Shell-Thick	SLE-FREQ.	10.9321	-1.1153	16.03	-8.37
724	Shell-Thick	SLE-FREQ.	11.5588	-0.4380	15.53	-8.37
724	Shell-Thick	SLE-QP	9.3264	0.8218	10.64	-5.51
724	Shell-Thick	SLE-QP	8.9385	0.3043	10.97	-5.51
724	Shell-Thick	SLE-QP	7.3149	-0.5021	10.97	-6.08
724	Shell-Thick	SLE-QP	7.7068	-0.0112	10.64	-6.08
725	Shell-Thick	SLU-STATICA	20.6517	1.0443	24.24	-10.58
725	Shell-Thick	SLU-STATICA	20.2910	0.2593	24.96	-10.58
725	Shell-Thick	SLU-STATICA	16.6278	-1.4780	24.96	-11.83
725	Shell-Thick	SLU-STATICA	16.9332	-0.3132	24.24	-11.83
725	Shell-Thick	SLU-SISMICA	34.1002	0.8525	39.33	-15.39
725	Shell-Thick	SLU-SISMICA	33.5004	-0.2139	40.50	-15.39
725	Shell-Thick	SLU-SISMICA	27.5643	-3.1929	40.50	-17.41
725	Shell-Thick	SLU-SISMICA	28.0592	-1.4059	39.33	-17.41
725	Shell-Thick	SLE-RARA	14.9785	0.8008	17.61	-7.78
725	Shell-Thick	SLE-RARA	14.7171	0.2201	18.14	-7.78
725	Shell-Thick	SLE-RARA	12.0546	-1.0345	18.14	-8.69
725	Shell-Thick	SLE-RARA	12.2766	-0.1829	17.61	-8.69
725	Shell-Thick	SLE-FREQ.	13.5040	0.7969	15.94	-7.19
725	Shell-Thick	SLE-FREQ.	13.2687	0.2535	16.42	-7.19
725	Shell-Thick	SLE-FREQ.	10.8586	-0.8681	16.42	-8.01
725	Shell-Thick	SLE-FREQ.	11.0595	-0.0886	15.94	-8.01
725	Shell-Thick	SLE-QP	9.0805	0.7849	10.92	-5.43
725	Shell-Thick	SLE-QP	8.9234	0.3539	11.24	-5.43
725	Shell-Thick	SLE-QP	7.2706	-0.3688	11.24	-6.00
725	Shell-Thick	SLE-QP	7.4084	0.1944	10.92	-6.00
726	Shell-Thick	SLU-STATICA	20.5816	1.5965	24.93	-10.10
726	Shell-Thick	SLU-STATICA	19.7601	0.6293	25.69	-10.10
726	Shell-Thick	SLU-STATICA	15.9580	-1.4589	25.69	-11.41
726	Shell-Thick	SLU-STATICA	16.7891	-0.5552	24.93	-11.41
726	Shell-Thick	SLU-SISMICA	33.9492	1.8718	40.45	-14.18
726	Shell-Thick	SLU-SISMICA	32.5596	0.5268	41.63	-14.18
726	Shell-Thick	SLU-SISMICA	26.3979	-3.1805	41.63	-16.21
726	Shell-Thick	SLU-SISMICA	27.7948	-1.8823	40.45	-16.21



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726	Shell-Thick	SLE-RARA	14.9295	1.1960	18.12	-7.45
726	Shell-Thick	SLE-RARA	14.3352	0.4819	18.67	-7.45
726	Shell-Thick	SLE-RARA	11.5718	-1.0197	18.67	-8.40
726	Shell-Thick	SLE-RARA	12.1734	-0.3546	18.12	-8.40
726	Shell-Thick	SLE-FREQ.	13.4628	1.1439	16.39	-6.93
726	Shell-Thick	SLE-FREQ.	12.9299	0.4785	16.90	-6.93
726	Shell-Thick	SLE-FREQ.	10.4285	-0.8531	16.90	-7.80
726	Shell-Thick	SLE-FREQ.	10.9688	-0.2368	16.39	-7.80
726	Shell-Thick	SLE-QP	9.0628	0.9876	11.23	-5.38
726	Shell-Thick	SLE-QP	8.7139	0.4681	11.59	-5.38
726	Shell-Thick	SLE-QP	6.9987	-0.3532	11.59	-6.00
726	Shell-Thick	SLE-QP	7.3550	0.1167	11.23	-6.00
727	Shell-Thick	SLU-STATICA	20.0332	1.3542	25.54	-9.65
727	Shell-Thick	SLU-STATICA	19.6836	0.6197	26.27	-9.65
727	Shell-Thick	SLU-STATICA	15.8203	-1.0455	26.27	-10.92
727	Shell-Thick	SLU-STATICA	16.1234	0.0091	25.54	-10.92
727	Shell-Thick	SLU-SISMICA	32.9688	1.4034	41.35	-13.04
727	Shell-Thick	SLU-SISMICA	32.4237	0.5057	42.45	-13.04
727	Shell-Thick	SLU-SISMICA	26.1834	-2.3587	42.45	-14.93
727	Shell-Thick	SLU-SISMICA	26.6356	-0.8227	41.35	-14.93
727	Shell-Thick	SLE-RARA	14.5354	1.0237	18.56	-7.14
727	Shell-Thick	SLE-RARA	14.2803	0.4753	19.10	-7.14
727	Shell-Thick	SLE-RARA	11.4713	-0.7268	19.10	-8.07
727	Shell-Thick	SLE-RARA	11.6935	0.0483	18.56	-8.07
727	Shell-Thick	SLE-FREQ.	13.1140	0.9944	16.80	-6.69
727	Shell-Thick	SLE-FREQ.	12.8812	0.4729	17.30	-6.69
727	Shell-Thick	SLE-FREQ.	10.3368	-0.6010	17.30	-7.54
727	Shell-Thick	SLE-FREQ.	10.5413	0.1155	16.80	-7.54
727	Shell-Thick	SLE-QP	8.8496	0.9065	11.53	-5.32
727	Shell-Thick	SLE-QP	8.6839	0.4659	11.90	-5.32
727	Shell-Thick	SLE-QP	6.9334	-0.2235	11.90	-5.96
727	Shell-Thick	SLE-QP	7.0846	0.3170	11.53	-5.96
728	Shell-Thick	SLU-STATICA	19.9475	1.8756	26.25	-9.27
728	Shell-Thick	SLU-STATICA	19.2106	0.9772	26.99	-9.27
728	Shell-Thick	SLU-STATICA	15.2107	-1.1164	26.99	-10.55
728	Shell-Thick	SLU-STATICA	15.9586	-0.2906	26.25	-10.55
728	Shell-Thick	SLU-SISMICA	32.8102	2.3769	42.43	-12.08
728	Shell-Thick	SLU-SISMICA	31.6146	1.2301	43.47	-12.08
728	Shell-Thick	SLU-SISMICA	25.1675	-2.4834	43.47	-13.89
728	Shell-Thick	SLU-SISMICA	26.3686	-1.3710	42.43	-13.89
728	Shell-Thick	SLE-RARA	14.4741	1.3962	19.09	-6.89
728	Shell-Thick	SLE-RARA	13.9386	0.7278	19.63	-6.89
728	Shell-Thick	SLE-RARA	11.0296	-0.7778	19.63	-7.83
728	Shell-Thick	SLE-RARA	11.5738	-0.1664	19.09	-7.83
728	Shell-Thick	SLE-FREQ.	13.0602	1.3206	17.29	-6.49
728	Shell-Thick	SLE-FREQ.	12.5755	0.6891	17.79	-6.49
728	Shell-Thick	SLE-FREQ.	9.9394	-0.6463	17.79	-7.36
728	Shell-Thick	SLE-FREQ.	10.4329	-0.0735	17.29	-7.36
728	Shell-Thick	SLE-QP	8.8183	1.0937	11.89	-5.29
728	Shell-Thick	SLE-QP	8.4864	0.5729	12.28	-5.29
728	Shell-Thick	SLE-QP	6.6688	-0.2517	12.28	-5.95
728	Shell-Thick	SLE-QP	7.0103	0.2052	11.89	-5.95
729	Shell-Thick	SLU-STATICA	19.4540	1.5669	26.84	-8.90
729	Shell-Thick	SLU-STATICA	19.0889	0.8752	27.56	-8.90
729	Shell-Thick	SLU-STATICA	15.0276	-0.7403	27.56	-10.13
729	Shell-Thick	SLU-STATICA	15.3532	0.2237	26.84	-10.13
729	Shell-Thick	SLU-SISMICA	31.9578	1.8145	43.21	-11.14
729	Shell-Thick	SLU-SISMICA	31.4120	1.0596	44.17	-11.14
729	Shell-Thick	SLU-SISMICA	24.8984	-1.7142	44.17	-12.81
729	Shell-Thick	SLU-SISMICA	25.3607	-0.3853	43.21	-12.81
729	Shell-Thick	SLE-RARA	14.1181	1.1749	19.52	-6.63
729	Shell-Thick	SLE-RARA	13.8504	0.6540	20.05	-6.63
729	Shell-Thick	SLE-RARA	10.8952	-0.5124	20.05	-7.54
729	Shell-Thick	SLE-RARA	11.1351	0.1998	19.52	-7.54
729	Shell-Thick	SLE-FREQ.	12.7424	1.1256	17.70	-6.28
729	Shell-Thick	SLE-FREQ.	12.4961	0.6227	18.19	-6.28
729	Shell-Thick	SLE-FREQ.	9.8153	-0.4198	18.19	-7.14
729	Shell-Thick	SLE-FREQ.	10.0381	0.2449	17.70	-7.14
729	Shell-Thick	SLE-QP	8.6154	0.9777	12.22	-5.24



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729	Shell-Thick	SLE-QP	8.4335	0.5289	12.61	-5.24
729	Shell-Thick	SLE-QP	6.5758	-0.1417	12.61	-5.92
729	Shell-Thick	SLE-QP	6.7472	0.3803	12.22	-5.92
730	Shell-Thick	SLU-STATICA	19.3250	2.0256	27.55	-8.58
730	Shell-Thick	SLU-STATICA	18.6296	1.1917	28.25	-8.58
730	Shell-Thick	SLU-STATICA	14.4388	-0.8891	28.25	-9.79
730	Shell-Thick	SLU-STATICA	15.1446	-0.1247	27.55	-9.79
730	Shell-Thick	SLU-SISMICA	31.7375	2.6817	44.17	-10.33
730	Shell-Thick	SLU-SISMICA	30.6489	1.7129	45.07	-10.33
730	Shell-Thick	SLU-SISMICA	23.9540	-1.9474	45.07	-11.89
730	Shell-Thick	SLU-SISMICA	25.0436	-0.9829	44.17	-11.89
730	Shell-Thick	SLE-RARA	14.0249	1.5022	20.05	-6.42
730	Shell-Thick	SLE-RARA	13.5175	0.8770	20.57	-6.42
730	Shell-Thick	SLE-RARA	10.4667	-0.6210	20.57	-7.31
730	Shell-Thick	SLE-RARA	10.9825	-0.0517	20.05	-7.31
730	Shell-Thick	SLE-FREQ.	12.6590	1.4113	18.19	-6.11
730	Shell-Thick	SLE-FREQ.	12.1965	0.8126	18.68	-6.11
730	Shell-Thick	SLE-FREQ.	9.4267	-0.5187	18.68	-6.96
730	Shell-Thick	SLE-FREQ.	9.8982	0.0201	18.19	-6.96
730	Shell-Thick	SLE-QP	8.5614	1.1384	12.61	-5.21
730	Shell-Thick	SLE-QP	8.2334	0.6192	13.01	-5.21
730	Shell-Thick	SLE-QP	6.3065	-0.2118	13.01	-5.90
730	Shell-Thick	SLE-QP	6.6453	0.2355	12.61	-5.90
731	Shell-Thick	SLU-STATICA	18.8448	1.6719	28.11	-8.25
731	Shell-Thick	SLU-STATICA	18.4453	1.0208	28.78	-8.25
731	Shell-Thick	SLU-STATICA	14.1948	-0.5704	28.78	-9.41
731	Shell-Thick	SLU-STATICA	14.5603	0.3144	28.11	-9.41
731	Shell-Thick	SLU-SISMICA	30.9318	2.0687	44.82	-9.52
731	Shell-Thick	SLU-SISMICA	30.3469	1.4410	45.63	-9.52
731	Shell-Thick	SLU-SISMICA	23.5993	-1.2709	45.63	-10.93
731	Shell-Thick	SLU-SISMICA	24.1078	-0.1194	44.82	-10.93
731	Shell-Thick	SLE-RARA	13.6772	1.2471	20.46	-6.19
731	Shell-Thick	SLE-RARA	13.3837	0.7526	20.97	-6.19
731	Shell-Thick	SLE-RARA	10.2873	-0.3973	20.97	-7.05
731	Shell-Thick	SLE-RARA	10.5572	0.2598	20.46	-7.05
731	Shell-Thick	SLE-FREQ.	12.3466	1.1837	18.59	-5.93
731	Shell-Thick	SLE-FREQ.	12.0756	0.6995	19.06	-5.93
731	Shell-Thick	SLE-FREQ.	9.2608	-0.3299	19.06	-6.75
731	Shell-Thick	SLE-FREQ.	9.5123	0.2890	18.59	-6.75
731	Shell-Thick	SLE-QP	8.3550	0.9936	12.95	-5.16
731	Shell-Thick	SLE-QP	8.1514	0.5403	13.36	-5.16
731	Shell-Thick	SLE-QP	6.1813	-0.1278	13.36	-5.85
731	Shell-Thick	SLE-QP	6.3775	0.3768	12.95	-5.85
732	Shell-Thick	SLU-STATICA	18.6541	2.0567	28.77	-7.95
732	Shell-Thick	SLU-STATICA	17.9736	1.2869	29.42	-7.95
732	Shell-Thick	SLU-STATICA	13.6033	-0.7828	29.42	-9.07
732	Shell-Thick	SLU-STATICA	14.2928	-0.0722	28.77	-9.07
732	Shell-Thick	SLU-SISMICA	30.6152	2.8083	45.64	-8.80
732	Shell-Thick	SLU-SISMICA	29.5780	2.0043	46.38	-8.80
732	Shell-Thick	SLU-SISMICA	22.6773	-1.5828	46.38	-10.08
732	Shell-Thick	SLU-SISMICA	23.7098	-0.7444	45.64	-10.08
732	Shell-Thick	SLE-RARA	13.5390	1.5210	20.96	-5.98
732	Shell-Thick	SLE-RARA	13.0411	0.9394	21.45	-5.98
732	Shell-Thick	SLE-RARA	9.8557	-0.5533	21.45	-6.82
732	Shell-Thick	SLE-RARA	10.3610	-0.0212	20.96	-6.82
732	Shell-Thick	SLE-FREQ.	12.2222	1.4217	19.06	-5.76
732	Shell-Thick	SLE-FREQ.	11.7659	0.8573	19.53	-5.76
732	Shell-Thick	SLE-FREQ.	8.8670	-0.4739	19.53	-6.57
732	Shell-Thick	SLE-FREQ.	9.3316	0.0346	19.06	-6.57
732	Shell-Thick	SLE-QP	8.2718	1.1239	13.35	-5.11
732	Shell-Thick	SLE-QP	7.9403	0.6110	13.76	-5.11
732	Shell-Thick	SLE-QP	5.9008	-0.2357	13.76	-5.81
732	Shell-Thick	SLE-QP	6.2435	0.2019	13.35	-5.81
733	Shell-Thick	SLU-STATICA	18.1616	1.6727	29.29	-7.62
733	Shell-Thick	SLU-STATICA	17.7161	1.0645	29.90	-7.62
733	Shell-Thick	SLU-STATICA	13.2899	-0.5259	29.90	-8.68
733	Shell-Thick	SLU-STATICA	13.7060	0.2844	29.29	-8.68
733	Shell-Thick	SLU-SISMICA	29.8056	2.1736	46.15	-8.06
733	Shell-Thick	SLU-SISMICA	29.1583	1.6652	46.81	-8.06

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733	Shell-Thick	SLU-SISMICA	22.2199	-1.0087	46.81	-9.19
733	Shell-Thick	SLU-SISMICA	22.7967	-0.0168	46.15	-9.19
733	Shell-Thick	SLE-RARA	13.1816	1.2425	21.36	-5.76
733	Shell-Thick	SLE-RARA	12.8541	0.7767	21.82	-5.76
733	Shell-Thick	SLE-RARA	9.6253	-0.3744	21.82	-6.55
733	Shell-Thick	SLE-RARA	9.9326	0.2305	21.36	-6.55
733	Shell-Thick	SLE-FREQ.	11.8996	1.1707	19.44	-5.58
733	Shell-Thick	SLE-FREQ.	11.5968	0.7082	19.89	-5.58
733	Shell-Thick	SLE-FREQ.	8.6541	-0.3255	19.89	-6.35
733	Shell-Thick	SLE-FREQ.	8.9406	0.2496	19.44	-6.35
733	Shell-Thick	SLE-QP	8.0538	0.9553	13.71	-5.05
733	Shell-Thick	SLE-QP	7.8250	0.5026	14.11	-5.05
733	Shell-Thick	SLE-QP	5.7405	-0.1788	14.11	-5.74
733	Shell-Thick	SLE-QP	5.9647	0.3068	13.71	-5.74
734	Shell-Thick	SLU-STATICA	17.8979	1.9821	29.90	-7.32
734	Shell-Thick	SLU-STATICA	17.2162	1.2795	30.49	-7.32
734	Shell-Thick	SLU-STATICA	12.6823	-0.7879	30.49	-8.32
734	Shell-Thick	SLU-STATICA	13.3708	-0.1301	29.90	-8.32
734	Shell-Thick	SLU-SISMICA	29.3729	2.7839	46.81	-7.37
734	Shell-Thick	SLU-SISMICA	28.3524	2.1369	47.39	-7.37
734	Shell-Thick	SLU-SISMICA	21.2909	-1.3734	47.39	-8.37
734	Shell-Thick	SLU-SISMICA	22.3006	-0.6509	46.81	-8.37
734	Shell-Thick	SLE-RARA	12.9902	1.4619	21.82	-5.54
734	Shell-Thick	SLE-RARA	12.4905	0.9268	22.26	-5.54
734	Shell-Thick	SLE-RARA	9.1810	-0.5679	22.26	-6.30
734	Shell-Thick	SLE-RARA	9.6866	-0.0726	21.82	-6.30
734	Shell-Thick	SLE-FREQ.	11.7268	1.3600	19.89	-5.40
734	Shell-Thick	SLE-FREQ.	11.2673	0.8335	20.32	-5.40
734	Shell-Thick	SLE-FREQ.	8.2471	-0.5058	20.32	-6.14
734	Shell-Thick	SLE-FREQ.	8.7139	-0.0280	19.89	-6.14
734	Shell-Thick	SLE-QP	7.9369	1.0542	14.11	-4.98
734	Shell-Thick	SLE-QP	7.5979	0.5536	14.51	-4.98
734	Shell-Thick	SLE-QP	5.4456	-0.3194	14.51	-5.67
734	Shell-Thick	SLE-QP	5.7958	0.1057	14.11	-5.67
735	Shell-Thick	SLU-STATICA	17.3773	1.5788	30.37	-6.98
735	Shell-Thick	SLU-STATICA	16.8797	1.0190	30.91	-6.98
735	Shell-Thick	SLU-STATICA	12.2958	-0.5894	30.91	-7.91
735	Shell-Thick	SLU-STATICA	12.7678	0.1459	30.37	-7.91
735	Shell-Thick	SLU-SISMICA	28.5286	2.1471	47.18	-6.66
735	Shell-Thick	SLU-SISMICA	27.8065	1.7555	47.67	-6.66
735	Shell-Thick	SLU-SISMICA	20.7238	-0.8957	47.67	-7.50
735	Shell-Thick	SLU-SISMICA	21.3804	-0.0550	47.18	-7.50
735	Shell-Thick	SLE-RARA	12.6118	1.1680	22.17	-5.30
735	Shell-Thick	SLE-RARA	12.2460	0.7355	22.58	-5.30
735	Shell-Thick	SLE-RARA	8.8971	-0.4313	22.58	-6.01
735	Shell-Thick	SLE-RARA	9.2456	0.1205	22.17	-6.01
735	Shell-Thick	SLE-FREQ.	11.3844	1.0925	20.24	-5.20
735	Shell-Thick	SLE-FREQ.	11.0461	0.6568	20.65	-5.20
735	Shell-Thick	SLE-FREQ.	7.9851	-0.3955	20.65	-5.90
735	Shell-Thick	SLE-FREQ.	8.3098	0.1341	20.24	-5.90
735	Shell-Thick	SLE-QP	7.7022	0.8660	14.46	-4.88
735	Shell-Thick	SLE-QP	7.4464	0.4208	14.85	-4.88
735	Shell-Thick	SLE-QP	5.2491	-0.2881	14.85	-5.55
735	Shell-Thick	SLE-QP	5.5026	0.1747	14.46	-5.55
736	Shell-Thick	SLU-STATICA	17.0342	1.8162	30.91	-6.64
736	Shell-Thick	SLU-STATICA	16.3420	1.1863	31.41	-6.64
736	Shell-Thick	SLU-STATICA	11.6647	-0.8875	31.41	-7.50
736	Shell-Thick	SLU-STATICA	12.3613	-0.2866	30.91	-7.50
736	Shell-Thick	SLU-SISMICA	27.9701	2.6362	47.67	-5.99
736	Shell-Thick	SLU-SISMICA	26.9455	2.1426	48.07	-5.99
736	Shell-Thick	SLU-SISMICA	19.7709	-1.2902	48.07	-6.67
736	Shell-Thick	SLU-SISMICA	20.7790	-0.6823	47.67	-6.67
736	Shell-Thick	SLE-RARA	12.3626	1.3353	22.59	-5.07
736	Shell-Thick	SLE-RARA	11.8546	0.8513	22.97	-5.07
736	Shell-Thick	SLE-RARA	8.4349	-0.6524	22.97	-5.73
736	Shell-Thick	SLE-RARA	8.9472	-0.1975	22.59	-5.73
736	Shell-Thick	SLE-FREQ.	11.1590	1.2350	20.65	-5.00
736	Shell-Thick	SLE-FREQ.	10.6909	0.7517	21.03	-5.00
736	Shell-Thick	SLE-FREQ.	7.5607	-0.6032	21.03	-5.65

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736	Shell-Thick	SLE-FREQ.	8.0349	-0.1601	20.65	-5.65
736	Shell-Thick	SLE-QP	7.5484	0.9341	14.85	-4.78
736	Shell-Thick	SLE-QP	7.1998	0.4530	15.23	-4.78
736	Shell-Thick	SLE-QP	4.9383	-0.4557	15.23	-5.44
736	Shell-Thick	SLE-QP	5.2977	-0.0480	14.85	-5.44
737	Shell-Thick	SLU-STATICA	16.4757	1.4025	31.30	-6.27
737	Shell-Thick	SLU-STATICA	15.9244	0.8992	31.75	-6.27
737	Shell-Thick	SLU-STATICA	11.2053	-0.7404	31.75	-7.05
737	Shell-Thick	SLU-STATICA	11.7346	-0.0852	31.30	-7.05
737	Shell-Thick	SLU-SISMICA	27.0727	2.0113	47.89	-5.28
737	Shell-Thick	SLU-SISMICA	26.2717	1.7385	48.19	-5.28
737	Shell-Thick	SLU-SISMICA	19.0945	-0.8956	48.19	-5.80
737	Shell-Thick	SLU-SISMICA	19.8344	-0.2053	47.89	-5.80
737	Shell-Thick	SLE-RARA	11.9563	1.0324	22.89	-4.80
737	Shell-Thick	SLE-RARA	11.5510	0.6395	23.24	-4.80
737	Shell-Thick	SLE-RARA	8.0976	-0.5533	23.24	-5.40
737	Shell-Thick	SLE-RARA	8.4882	-0.0586	22.89	-5.40
737	Shell-Thick	SLE-FREQ.	10.7906	0.9569	20.96	-4.77
737	Shell-Thick	SLE-FREQ.	10.4158	0.5548	21.31	-4.77
737	Shell-Thick	SLE-FREQ.	7.2496	-0.5269	21.31	-5.37
737	Shell-Thick	SLE-FREQ.	7.6133	-0.0473	20.96	-5.37
737	Shell-Thick	SLE-QP	7.2936	0.7305	15.18	-4.66
737	Shell-Thick	SLE-QP	7.0103	0.3006	15.54	-4.66
737	Shell-Thick	SLE-QP	4.7056	-0.4476	15.54	-5.28
737	Shell-Thick	SLE-QP	4.9884	-0.0133	15.18	-5.28
738	Shell-Thick	SLU-STATICA	16.0504	1.5731	31.76	-5.89
738	Shell-Thick	SLU-STATICA	15.3432	1.0237	32.15	-5.89
738	Shell-Thick	SLU-STATICA	10.5474	-1.0612	32.15	-6.58
738	Shell-Thick	SLU-STATICA	11.2569	-0.5258	31.76	-6.58
738	Shell-Thick	SLU-SISMICA	26.3860	2.3920	48.20	-4.58
738	Shell-Thick	SLU-SISMICA	25.3461	2.0519	48.41	-4.58
738	Shell-Thick	SLU-SISMICA	18.1092	-1.2989	48.41	-4.93
738	Shell-Thick	SLU-SISMICA	19.1277	-0.8114	48.20	-4.93
738	Shell-Thick	SLE-RARA	11.6471	1.1512	23.24	-4.53
738	Shell-Thick	SLE-RARA	11.1277	0.7245	23.55	-4.53
738	Shell-Thick	SLE-RARA	7.6154	-0.7923	23.55	-5.07
738	Shell-Thick	SLE-RARA	8.1377	-0.3842	23.24	-5.07
738	Shell-Thick	SLE-FREQ.	10.5105	1.0556	21.32	-4.53
738	Shell-Thick	SLE-FREQ.	10.0313	0.6221	21.64	-4.53
738	Shell-Thick	SLE-FREQ.	6.8062	-0.7532	21.64	-5.08
738	Shell-Thick	SLE-FREQ.	7.2902	-0.3513	21.32	-5.08
738	Shell-Thick	SLE-QP	7.1008	0.7685	15.55	-4.52
738	Shell-Thick	SLE-QP	6.7421	0.3150	15.89	-4.52
738	Shell-Thick	SLE-QP	4.3786	-0.6360	15.89	-5.11
738	Shell-Thick	SLE-QP	4.7478	-0.2524	15.55	-5.11
739	Shell-Thick	SLU-STATICA	15.4481	1.1562	32.06	-5.47
739	Shell-Thick	SLU-STATICA	14.8456	0.7196	32.40	-5.47
739	Shell-Thick	SLU-STATICA	10.0193	-0.9573	32.40	-6.05
739	Shell-Thick	SLU-STATICA	10.6030	-0.3911	32.06	-6.05
739	Shell-Thick	SLU-SISMICA	25.4251	1.7898	48.25	-3.84
739	Shell-Thick	SLU-SISMICA	24.5490	1.6408	48.35	-3.84
739	Shell-Thick	SLU-SISMICA	17.3304	-0.9711	48.35	-4.02
739	Shell-Thick	SLU-SISMICA	18.1502	-0.4366	48.25	-4.02
739	Shell-Thick	SLE-RARA	11.2085	0.8445	23.49	-4.23
739	Shell-Thick	SLE-RARA	10.7656	0.4994	23.75	-4.23
739	Shell-Thick	SLE-RARA	7.2278	-0.7247	23.75	-4.69
739	Shell-Thick	SLE-RARA	7.6583	-0.2941	23.49	-4.69
739	Shell-Thick	SLE-FREQ.	10.1123	0.7716	21.58	-4.26
739	Shell-Thick	SLE-FREQ.	9.7028	0.4114	21.86	-4.26
739	Shell-Thick	SLE-FREQ.	6.4487	-0.7057	21.86	-4.74
739	Shell-Thick	SLE-FREQ.	6.8492	-0.2831	21.58	-4.74
739	Shell-Thick	SLE-QP	6.8234	0.5529	15.85	-4.35
739	Shell-Thick	SLE-QP	6.5141	0.1473	16.17	-4.35
739	Shell-Thick	SLE-QP	4.1116	-0.6487	16.17	-4.90
739	Shell-Thick	SLE-QP	4.4220	-0.2501	15.85	-4.90
740	Shell-Thick	SLU-STATICA	14.9414	1.2649	32.41	-5.04
740	Shell-Thick	SLU-STATICA	14.2181	0.8054	32.68	-5.04
740	Shell-Thick	SLU-STATICA	9.3346	-1.2875	32.68	-5.51
740	Shell-Thick	SLU-STATICA	10.0581	-0.8297	32.41	-5.51

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740	Shell-Thick	SLU-SISMICA	24.6141	2.0747	48.37	-3.10
740	Shell-Thick	SLU-SISMICA	23.5549	1.8913	48.36	-3.10
740	Shell-Thick	SLU-SISMICA	16.3107	-1.3628	48.36	-3.09
740	Shell-Thick	SLU-SISMICA	17.3448	-1.0074	48.37	-3.09
740	Shell-Thick	SLE-RARA	10.8397	0.9181	23.76	-3.91
740	Shell-Thick	SLE-RARA	10.3084	0.5562	23.98	-3.91
740	Shell-Thick	SLE-RARA	6.7256	-0.9718	23.98	-4.29
740	Shell-Thick	SLE-RARA	7.2584	-0.6198	23.76	-4.29
740	Shell-Thick	SLE-FREQ.	9.7775	0.8289	21.87	-3.98
740	Shell-Thick	SLE-FREQ.	9.2870	0.4533	22.10	-3.98
740	Shell-Thick	SLE-FREQ.	5.9865	-0.9417	22.10	-4.39
740	Shell-Thick	SLE-FREQ.	6.4806	-0.5899	21.87	-4.39
740	Shell-Thick	SLE-QP	6.5910	0.5613	16.17	-4.16
740	Shell-Thick	SLE-QP	6.2226	0.1444	16.46	-4.16
740	Shell-Thick	SLE-QP	3.7691	-0.8512	16.46	-4.66
740	Shell-Thick	SLE-QP	4.1472	-0.5003	16.17	-4.66
741	Shell-Thick	SLU-STATICA	14.2939	0.8634	32.61	-4.54
741	Shell-Thick	SLU-STATICA	13.6089	0.4836	32.82	-4.54
741	Shell-Thick	SLU-STATICA	8.7097	-1.2355	32.82	-4.89
741	Shell-Thick	SLU-STATICA	9.3766	-0.7562	32.61	-4.89
741	Shell-Thick	SLU-SISMICA	23.5875	1.5188	48.23	-2.30
741	Shell-Thick	SLU-SISMICA	22.5884	1.4836	48.11	-2.30
741	Shell-Thick	SLU-SISMICA	15.3908	-1.0948	48.11	-2.09
741	Shell-Thick	SLU-SISMICA	16.3299	-0.7308	48.23	-2.09
741	Shell-Thick	SLE-RARA	10.3680	0.6215	23.93	-3.55
741	Shell-Thick	SLE-RARA	9.8646	0.3166	24.10	-3.55
741	Shell-Thick	SLE-RARA	6.2668	-0.9432	24.10	-3.84
741	Shell-Thick	SLE-RARA	6.7586	-0.5743	23.93	-3.84
741	Shell-Thick	SLE-FREQ.	9.3486	0.5524	22.06	-3.65
741	Shell-Thick	SLE-FREQ.	8.8835	0.2266	22.25	-3.65
741	Shell-Thick	SLE-FREQ.	5.5632	-0.9315	22.25	-3.98
741	Shell-Thick	SLE-FREQ.	6.0205	-0.5622	22.06	-3.98
741	Shell-Thick	SLE-QP	6.2904	0.3448	16.43	-3.94
741	Shell-Thick	SLE-QP	5.9400	-0.0434	16.70	-3.94
741	Shell-Thick	SLE-QP	3.4525	-0.8964	16.70	-4.38
741	Shell-Thick	SLE-QP	3.8063	-0.5260	16.43	-4.38
742	Shell-Thick	SLU-STATICA	13.6903	0.8971	32.82	-3.72
742	Shell-Thick	SLU-STATICA	12.2843	0.2583	32.99	-3.72
742	Shell-Thick	SLU-STATICA	7.3513	-1.7277	32.99	-3.87
742	Shell-Thick	SLU-STATICA	8.7425	-1.0785	32.82	-3.87
742	Shell-Thick	SLU-SISMICA	22.6060	1.5725	48.10	-1.05
742	Shell-Thick	SLU-SISMICA	20.5250	1.4838	47.50	-1.05
742	Shell-Thick	SLU-SISMICA	13.4120	-1.4014	47.50	-0.52
742	Shell-Thick	SLU-SISMICA	15.3650	-1.2243	48.10	-0.52
742	Shell-Thick	SLE-RARA	9.9294	0.6461	24.10	-2.95
742	Shell-Thick	SLE-RARA	8.8977	0.1347	24.27	-2.95
742	Shell-Thick	SLE-RARA	5.2684	-1.3254	24.27	-3.10
742	Shell-Thick	SLE-RARA	6.2946	-0.8100	24.10	-3.10
742	Shell-Thick	SLE-FREQ.	8.9519	0.5747	22.25	-3.10
742	Shell-Thick	SLE-FREQ.	8.0011	0.0307	22.48	-3.10
742	Shell-Thick	SLE-FREQ.	4.6404	-1.3195	22.48	-3.30
742	Shell-Thick	SLE-FREQ.	5.5951	-0.7780	22.25	-3.30
742	Shell-Thick	SLE-QP	6.0193	0.3604	16.70	-3.54
742	Shell-Thick	SLE-QP	5.3113	-0.2814	17.11	-3.54
742	Shell-Thick	SLE-QP	2.7565	-1.3019	17.11	-3.90
742	Shell-Thick	SLE-QP	3.4968	-0.6822	16.70	-3.90
743	Shell-Thick	SLU-STATICA	12.3320	0.2996	32.94	-2.78
743	Shell-Thick	SLU-STATICA	11.6425	0.1005	32.88	-2.78
743	Shell-Thick	SLU-STATICA	6.7099	-1.6202	32.88	-2.67
743	Shell-Thick	SLU-STATICA	7.3883	-1.3452	32.94	-2.67
743	Shell-Thick	SLU-SISMICA	20.4952	0.9918	47.41	0.33
743	Shell-Thick	SLU-SISMICA	19.4888	1.2056	46.92	0.33
743	Shell-Thick	SLU-SISMICA	12.4341	-1.2157	46.92	1.18
743	Shell-Thick	SLU-SISMICA	13.3970	-1.1333	47.41	1.18
743	Shell-Thick	SLE-RARA	8.9377	0.1925	24.24	-2.26
743	Shell-Thick	SLE-RARA	8.4310	0.0211	24.22	-2.26
743	Shell-Thick	SLE-RARA	4.7992	-1.2478	24.22	-2.22
743	Shell-Thick	SLE-RARA	5.2990	-1.0298	24.24	-2.22
743	Shell-Thick	SLE-FREQ.	8.0465	0.1309	22.45	-2.46

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743	Shell-Thick	SLE-FREQ.	7.5783	-0.0703	22.47	-2.46
743	Shell-Thick	SLE-FREQ.	4.2104	-1.2503	22.47	-2.48
743	Shell-Thick	SLE-FREQ.	4.6746	-1.0218	22.45	-2.48
743	Shell-Thick	SLE-QP	5.3728	-0.0540	17.09	-3.06
743	Shell-Thick	SLE-QP	5.0202	-0.3443	17.21	-3.06
743	Shell-Thick	SLE-QP	2.4441	-1.2577	17.21	-3.27
743	Shell-Thick	SLE-QP	2.8012	-0.9979	17.09	-3.27
744	Shell-Thick	SLU-STATICA	11.6480	0.3067	32.92	-2.02
744	Shell-Thick	SLU-STATICA	10.9140	0.1434	32.76	-2.02
744	Shell-Thick	SLU-STATICA	5.9865	-1.9095	32.76	-1.74
744	Shell-Thick	SLU-STATICA	6.7204	-1.7463	32.92	-1.74
744	Shell-Thick	SLU-SISMICA	19.4247	1.1440	46.97	1.35
744	Shell-Thick	SLU-SISMICA	18.3487	1.3941	46.34	1.35
744	Shell-Thick	SLU-SISMICA	11.3610	-1.5051	46.34	2.45
744	Shell-Thick	SLU-SISMICA	12.4120	-1.5857	46.97	2.45
744	Shell-Thick	SLE-RARA	8.4387	0.1907	24.25	-1.70
744	Shell-Thick	SLE-RARA	7.8995	0.0464	24.15	-1.70
744	Shell-Thick	SLE-RARA	4.2684	-1.4670	24.15	-1.52
744	Shell-Thick	SLE-RARA	4.8088	-1.3312	24.25	-1.52
744	Shell-Thick	SLE-FREQ.	7.5915	0.1172	22.49	-1.93
744	Shell-Thick	SLE-FREQ.	7.0938	-0.0576	22.44	-1.93
744	Shell-Thick	SLE-FREQ.	3.7215	-1.4641	22.44	-1.83
744	Shell-Thick	SLE-FREQ.	4.2225	-1.3116	22.49	-1.83
744	Shell-Thick	SLE-QP	5.0500	-0.1033	17.24	-2.64
744	Shell-Thick	SLE-QP	4.6765	-0.3693	17.30	-2.64
744	Shell-Thick	SLE-QP	2.0807	-1.4553	17.30	-2.75
744	Shell-Thick	SLE-QP	2.4635	-1.2527	17.24	-2.75
745	Shell-Thick	SLU-STATICA	10.8931	-0.0830	32.73	-1.16
745	Shell-Thick	SLU-STATICA	10.2006	-0.1409	32.46	-1.16
745	Shell-Thick	SLU-STATICA	5.3135	-1.8245	32.46	-0.68
745	Shell-Thick	SLU-STATICA	5.9995	-1.7225	32.73	-0.68
745	Shell-Thick	SLU-SISMICA	18.2484	0.6631	46.28	2.47
745	Shell-Thick	SLU-SISMICA	17.2313	1.0568	45.50	2.47
745	Shell-Thick	SLU-SISMICA	10.3635	-1.2002	45.50	3.82
745	Shell-Thick	SLU-SISMICA	11.3452	-1.3545	46.28	3.82
745	Shell-Thick	SLE-RARA	7.8877	-0.1000	24.13	-1.06
745	Shell-Thick	SLE-RARA	7.3791	-0.1665	23.94	-1.06
745	Shell-Thick	SLE-RARA	3.7747	-1.4136	23.94	-0.74
745	Shell-Thick	SLE-RARA	4.2797	-1.3235	24.13	-0.74
745	Shell-Thick	SLE-FREQ.	7.0887	-0.1589	22.42	-1.33
745	Shell-Thick	SLE-FREQ.	6.6193	-0.2608	22.28	-1.33
745	Shell-Thick	SLE-FREQ.	3.2666	-1.4300	22.28	-1.09
745	Shell-Thick	SLE-FREQ.	3.7349	-1.3211	22.42	-1.09
745	Shell-Thick	SLE-QP	4.6919	-0.3355	17.29	-2.15
745	Shell-Thick	SLE-QP	4.3401	-0.5438	17.29	-2.15
745	Shell-Thick	SLE-QP	1.7423	-1.4794	17.29	-2.15
745	Shell-Thick	SLE-QP	2.1004	-1.3139	17.29	-2.15
746	Shell-Thick	SLU-STATICA	10.1620	-0.0847	32.51	-0.20
746	Shell-Thick	SLU-STATICA	9.4540	-0.0769	32.11	-0.20
746	Shell-Thick	SLU-STATICA	4.6051	-2.0528	32.11	0.49
746	Shell-Thick	SLU-STATICA	5.3143	-2.0700	32.51	0.49
746	Shell-Thick	SLU-SISMICA	17.1101	0.8025	45.58	3.68
746	Shell-Thick	SLU-SISMICA	16.0642	1.2670	44.64	3.68
746	Shell-Thick	SLU-SISMICA	9.3070	-1.3979	44.64	5.30
746	Shell-Thick	SLU-SISMICA	10.3309	-1.7149	45.58	5.30
746	Shell-Thick	SLE-RARA	7.3539	-0.1084	23.98	-0.35
746	Shell-Thick	SLE-RARA	6.8343	-0.1252	23.71	-0.35
746	Shell-Thick	SLE-RARA	3.2552	-1.5881	23.71	0.13
746	Shell-Thick	SLE-RARA	3.7769	-1.5862	23.98	0.13
746	Shell-Thick	SLE-FREQ.	6.6016	-0.1786	22.32	-0.66
746	Shell-Thick	SLE-FREQ.	6.1225	-0.2326	22.10	-0.66
746	Shell-Thick	SLE-FREQ.	2.7885	-1.6028	22.10	-0.27
746	Shell-Thick	SLE-FREQ.	3.2715	-1.5763	22.32	-0.27
746	Shell-Thick	SLE-QP	4.3446	-0.3893	17.32	-1.59
746	Shell-Thick	SLE-QP	3.9873	-0.5547	17.25	-1.59
746	Shell-Thick	SLE-QP	1.3885	-1.6467	17.25	-1.46
746	Shell-Thick	SLE-QP	1.7553	-1.5465	17.32	-1.46
747	Shell-Thick	SLU-STATICA	9.3862	-0.4353	32.11	0.87
747	Shell-Thick	SLU-STATICA	8.7166	-0.3174	31.58	0.87

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747	Shell-Thick	SLU-STATICA	3.9392	-1.9063	31.58	1.79
747	Shell-Thick	SLU-STATICA	4.6079	-2.0194	32.11	1.79
747	Shell-Thick	SLU-SISMICA	15.9049	0.3904	44.62	5.00
747	Shell-Thick	SLU-SISMICA	14.9097	0.9926	43.52	5.00
747	Shell-Thick	SLU-SISMICA	8.3105	-1.0183	43.52	6.90
747	Shell-Thick	SLU-SISMICA	9.2804	-1.4510	44.62	6.90
747	Shell-Thick	SLE-RARA	6.7875	-0.3710	23.71	0.45
747	Shell-Thick	SLE-RARA	6.2963	-0.3057	23.33	0.45
747	Shell-Thick	SLE-RARA	2.7671	-1.4887	23.33	1.10
747	Shell-Thick	SLE-RARA	3.2588	-1.5585	23.71	1.10
747	Shell-Thick	SLE-FREQ.	6.0844	-0.4297	22.09	0.10
747	Shell-Thick	SLE-FREQ.	5.6321	-0.4059	21.78	0.10
747	Shell-Thick	SLE-FREQ.	2.3396	-1.5250	21.78	0.65
747	Shell-Thick	SLE-FREQ.	2.7944	-1.5667	22.09	0.65
747	Shell-Thick	SLE-QP	3.9752	-0.6058	17.26	-0.95
747	Shell-Thick	SLE-QP	3.6395	-0.7062	17.11	-0.95
747	Shell-Thick	SLE-QP	1.0572	-1.6338	17.11	-0.69
747	Shell-Thick	SLE-QP	1.4014	-1.5916	17.26	-0.69
748	Shell-Thick	SLU-STATICA	8.6280	-0.4179	31.66	2.05
748	Shell-Thick	SLU-STATICA	7.9714	-0.2032	30.98	2.05
748	Shell-Thick	SLU-STATICA	3.2703	-2.0473	30.98	3.22
748	Shell-Thick	SLU-STATICA	3.9308	-2.2908	31.66	3.22
748	Shell-Thick	SLU-SISMICA	14.7268	0.5529	43.62	6.41
748	Shell-Thick	SLU-SISMICA	13.7416	1.2608	42.35	6.41
748	Shell-Thick	SLU-SISMICA	7.3003	-1.0997	42.35	8.62
748	Shell-Thick	SLU-SISMICA	8.2692	-1.6997	43.62	8.62
748	Shell-Thick	SLE-RARA	6.2339	-0.3650	23.39	1.34
748	Shell-Thick	SLE-RARA	5.7527	-0.2269	22.91	1.34
748	Shell-Thick	SLE-RARA	2.2772	-1.5985	22.91	2.17
748	Shell-Thick	SLE-RARA	2.7624	-1.7653	23.39	2.17
748	Shell-Thick	SLE-FREQ.	5.5790	-0.4358	21.83	0.94
748	Shell-Thick	SLE-FREQ.	5.1367	-0.3416	21.41	0.94
748	Shell-Thick	SLE-FREQ.	1.8899	-1.6370	21.41	1.67
748	Shell-Thick	SLE-FREQ.	2.3377	-1.7703	21.83	1.67
748	Shell-Thick	SLE-QP	3.6142	-0.6481	17.15	-0.23
748	Shell-Thick	SLE-QP	3.2886	-0.6858	16.91	-0.23
748	Shell-Thick	SLE-QP	0.7278	-1.7523	16.91	0.18
748	Shell-Thick	SLE-QP	1.0638	-1.7855	17.15	0.18
749	Shell-Thick	SLU-STATICA	7.8506	-0.7136	31.00	3.36
749	Shell-Thick	SLU-STATICA	7.2364	-0.3812	30.17	3.36
749	Shell-Thick	SLU-STATICA	2.6438	-1.7946	30.17	4.79
749	Shell-Thick	SLU-STATICA	3.2641	-2.1714	31.00	4.79
749	Shell-Thick	SLU-SISMICA	13.5182	0.2223	42.36	7.95
749	Shell-Thick	SLU-SISMICA	12.5851	1.0654	40.90	7.95
749	Shell-Thick	SLU-SISMICA	6.3451	-0.5923	40.90	10.48
749	Shell-Thick	SLU-SISMICA	7.2654	-1.3524	42.36	10.48
749	Shell-Thick	SLE-RARA	5.6663	-0.5873	22.93	2.32
749	Shell-Thick	SLE-RARA	5.2168	-0.3609	22.33	2.32
749	Shell-Thick	SLE-RARA	1.8189	-1.4197	22.33	3.35
749	Shell-Thick	SLE-RARA	2.2740	-1.6861	22.93	3.35
749	Shell-Thick	SLE-FREQ.	5.0609	-0.6498	21.43	1.88
749	Shell-Thick	SLE-FREQ.	4.6486	-0.4709	20.90	1.88
749	Shell-Thick	SLE-FREQ.	1.4699	-1.4835	20.90	2.80
749	Shell-Thick	SLE-FREQ.	1.8891	-1.7119	21.43	2.80
749	Shell-Thick	SLE-QP	3.2444	-0.8371	16.93	0.58
749	Shell-Thick	SLE-QP	2.9440	-0.8009	16.60	0.58
749	Shell-Thick	SLE-QP	0.4228	-1.6750	16.60	1.15
749	Shell-Thick	SLE-QP	0.7344	-1.7891	16.93	1.15
750	Shell-Thick	SLU-STATICA	7.0918	-0.6398	30.28	4.80
750	Shell-Thick	SLU-STATICA	6.5204	-0.1771	29.29	4.80
750	Shell-Thick	SLU-STATICA	2.0474	-1.8191	29.29	6.52
750	Shell-Thick	SLU-STATICA	2.6272	-2.3417	30.28	6.52
750	Shell-Thick	SLU-SISMICA	12.3355	0.4540	41.05	9.62
750	Shell-Thick	SLU-SISMICA	11.4517	1.4400	39.39	9.62
750	Shell-Thick	SLU-SISMICA	5.4211	-0.5333	39.39	12.48
750	Shell-Thick	SLU-SISMICA	6.2970	-1.4697	41.05	12.48
750	Shell-Thick	SLE-RARA	5.1125	-0.5393	22.41	3.40
750	Shell-Thick	SLE-RARA	4.6951	-0.2148	21.69	3.40
750	Shell-Thick	SLE-RARA	1.3833	-1.4425	21.69	4.65

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750	Shell-Thick	SLE-RARA	1.8079	-1.8178	22.41	4.65
750	Shell-Thick	SLE-FREQ.	4.5555	-0.6159	20.97	2.92
750	Shell-Thick	SLE-FREQ.	4.1741	-0.3424	20.32	2.92
750	Shell-Thick	SLE-FREQ.	1.0720	-1.5126	20.32	4.04
750	Shell-Thick	SLE-FREQ.	1.4617	-1.8447	20.97	4.04
750	Shell-Thick	SLE-QP	2.8846	-0.8457	16.66	1.48
750	Shell-Thick	SLE-QP	2.6110	-0.7252	16.23	1.48
750	Shell-Thick	SLE-QP	0.1379	-1.7229	16.23	2.23
750	Shell-Thick	SLE-QP	0.4232	-1.9252	16.66	2.23
751	Shell-Thick	SLU-STATICA	6.3405	-0.8616	29.34	6.39
751	Shell-Thick	SLU-STATICA	5.8190	-0.2705	28.16	6.39
751	Shell-Thick	SLU-STATICA	1.4976	-1.4029	28.16	8.42
751	Shell-Thick	SLU-STATICA	2.0342	-2.1007	29.34	8.42
751	Shell-Thick	SLU-SISMICA	11.1588	0.2188	39.45	11.43
751	Shell-Thick	SLU-SISMICA	10.3328	1.3411	37.59	11.43
751	Shell-Thick	SLU-SISMICA	4.5523	0.1672	37.59	14.64
751	Shell-Thick	SLU-SISMICA	5.3808	-0.9783	39.45	14.64
751	Shell-Thick	SLE-RARA	4.5643	-0.7067	21.73	4.59
751	Shell-Thick	SLE-RARA	4.1844	-0.2853	20.87	4.59
751	Shell-Thick	SLE-RARA	0.9826	-1.1412	20.87	6.07
751	Shell-Thick	SLE-RARA	1.3746	-1.6477	21.73	6.07
751	Shell-Thick	SLE-FREQ.	4.0558	-0.7780	20.36	4.07
751	Shell-Thick	SLE-FREQ.	3.7103	-0.4107	19.58	4.07
751	Shell-Thick	SLE-FREQ.	0.7073	-1.2421	19.58	5.41
751	Shell-Thick	SLE-FREQ.	1.0657	-1.6993	20.36	5.41
751	Shell-Thick	SLE-QP	2.5303	-0.9921	16.26	2.49
751	Shell-Thick	SLE-QP	2.2879	-0.7869	15.72	2.49
751	Shell-Thick	SLE-QP	-0.1185	-1.5448	15.72	3.43
751	Shell-Thick	SLE-QP	0.1389	-1.8542	16.26	3.43
752	Shell-Thick	SLU-STATICA	5.6126	-0.6850	28.31	8.15
752	Shell-Thick	SLU-STATICA	5.1684	0.0745	26.95	8.15
752	Shell-Thick	SLU-STATICA	1.0155	-1.2735	26.95	10.50
752	Shell-Thick	SLU-STATICA	1.4743	-2.1370	28.31	10.50
752	Shell-Thick	SLU-SISMICA	10.0112	0.5737	37.78	13.40
752	Shell-Thick	SLU-SISMICA	9.2796	1.8806	35.71	13.40
752	Shell-Thick	SLU-SISMICA	3.7643	0.3959	35.71	16.98
752	Shell-Thick	SLU-SISMICA	4.4992	-0.9392	37.78	16.98
752	Shell-Thick	SLE-RARA	4.0337	-0.5818	20.98	5.92
752	Shell-Thick	SLE-RARA	3.7115	-0.0336	19.98	5.92
752	Shell-Thick	SLE-RARA	0.6325	-1.0482	19.98	7.64
752	Shell-Thick	SLE-RARA	0.9664	-1.6790	20.98	7.64
752	Shell-Thick	SLE-FREQ.	3.5728	-0.6709	19.68	5.34
752	Shell-Thick	SLE-FREQ.	3.2821	-0.1812	18.77	5.34
752	Shell-Thick	SLE-FREQ.	0.3910	-1.1595	18.77	6.92
752	Shell-Thick	SLE-FREQ.	0.6940	-1.7360	19.68	6.92
752	Shell-Thick	SLE-QP	2.1899	-0.9382	15.80	3.61
752	Shell-Thick	SLE-QP	1.9940	-0.6240	15.13	3.61
752	Shell-Thick	SLE-QP	-0.3335	-1.4936	15.13	4.76
752	Shell-Thick	SLE-QP	-0.1233	-1.9072	15.80	4.76
753	Shell-Thick	SLU-STATICA	4.9235	-0.8028	27.03	10.09
753	Shell-Thick	SLU-STATICA	4.5351	0.0992	25.47	10.09
753	Shell-Thick	SLU-STATICA	0.5827	-0.6217	25.47	12.78
753	Shell-Thick	SLU-STATICA	0.9977	-1.7094	27.03	12.78
753	Shell-Thick	SLU-SISMICA	8.9117	0.4573	35.81	15.53
753	Shell-Thick	SLU-SISMICA	8.2396	1.9049	33.51	15.53
753	Shell-Thick	SLU-SISMICA	3.0282	1.3665	33.51	19.50
753	Shell-Thick	SLU-SISMICA	3.7217	-0.2335	35.81	19.50
753	Shell-Thick	SLE-RARA	3.5321	-0.6711	20.05	7.37
753	Shell-Thick	SLE-RARA	3.2518	-0.0148	18.90	7.37
753	Shell-Thick	SLE-RARA	0.3197	-0.5701	18.90	9.35
753	Shell-Thick	SLE-RARA	0.6203	-1.3688	20.05	9.35
753	Shell-Thick	SLE-FREQ.	3.1172	-0.7581	18.83	6.74
753	Shell-Thick	SLE-FREQ.	2.8672	-0.1628	17.77	6.74
753	Shell-Thick	SLE-FREQ.	0.1108	-0.7195	17.77	8.57
753	Shell-Thick	SLE-FREQ.	0.3811	-1.4564	18.83	8.57
753	Shell-Thick	SLE-QP	1.8727	-1.0191	15.18	4.86
753	Shell-Thick	SLE-QP	1.7133	-0.6069	14.39	4.86
753	Shell-Thick	SLE-QP	-0.5157	-1.1675	14.39	6.22
753	Shell-Thick	SLE-QP	-0.3363	-1.7190	15.18	6.22



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754	Shell-Thick	SLU-STATICA	4.2828	-0.3881	25.66	12.10
754	Shell-Thick	SLU-STATICA	4.0429	0.5608	24.13	12.10
754	Shell-Thick	SLU-STATICA	0.3029	-0.4138	24.13	15.11
754	Shell-Thick	SLU-STATICA	0.5535	-1.5419	25.66	15.11
754	Shell-Thick	SLU-SISMICA	7.8696	1.1062	33.76	17.73
754	Shell-Thick	SLU-SISMICA	7.4107	2.5584	31.57	17.73
754	Shell-Thick	SLU-SISMICA	2.5062	1.6201	31.57	22.05
754	Shell-Thick	SLU-SISMICA	2.9725	0.0362	33.76	22.05
754	Shell-Thick	SLE-RARA	3.0665	-0.3685	19.04	8.89
754	Shell-Thick	SLE-RARA	2.8956	0.3254	17.91	8.89
754	Shell-Thick	SLE-RARA	0.1198	-0.4148	17.91	11.11
754	Shell-Thick	SLE-RARA	0.2989	-1.2470	19.04	11.11
754	Shell-Thick	SLE-FREQ.	2.6962	-0.4822	17.90	8.21
754	Shell-Thick	SLE-FREQ.	2.5475	0.1532	16.86	8.21
754	Shell-Thick	SLE-FREQ.	-0.0642	-0.5718	16.86	10.26
754	Shell-Thick	SLE-FREQ.	0.0927	-1.3460	17.90	10.26
754	Shell-Thick	SLE-QP	1.5850	-0.8234	14.50	6.16
754	Shell-Thick	SLE-QP	1.5030	-0.3634	13.70	6.16
754	Shell-Thick	SLE-QP	-0.6163	-1.0425	13.70	7.73
754	Shell-Thick	SLE-QP	-0.5258	-1.6428	14.50	7.73
755	Shell-Thick	SLU-STATICA	19.6008	-0.5251	23.36	-12.52
755	Shell-Thick	SLU-STATICA	19.0276	-1.3896	23.60	-12.52
755	Shell-Thick	SLU-STATICA	15.5401	-2.9793	23.60	-12.92
755	Shell-Thick	SLU-STATICA	16.0425	-1.6308	23.36	-12.92
755	Shell-Thick	SLU-SISMICA	32.1591	-1.9549	37.21	-19.11
755	Shell-Thick	SLU-SISMICA	31.2099	-3.2198	37.74	-19.11
755	Shell-Thick	SLU-SISMICA	25.6506	-5.8337	37.74	-20.02
755	Shell-Thick	SLU-SISMICA	26.4721	-3.6951	37.21	-20.02
755	Shell-Thick	SLE-RARA	14.2266	-0.3267	17.01	-9.16
755	Shell-Thick	SLE-RARA	13.8110	-0.9618	17.18	-9.16
755	Shell-Thick	SLE-RARA	11.2716	-2.1153	17.18	-9.44
755	Shell-Thick	SLE-RARA	11.6363	-1.1328	17.01	-9.44
755	Shell-Thick	SLE-FREQ.	12.8437	-0.2011	15.46	-8.39
755	Shell-Thick	SLE-FREQ.	12.4693	-0.7877	15.59	-8.39
755	Shell-Thick	SLE-FREQ.	10.1628	-1.8286	15.59	-8.62
755	Shell-Thick	SLE-FREQ.	10.4923	-0.9353	15.46	-8.62
755	Shell-Thick	SLE-QP	8.6952	0.1756	10.78	-6.09
755	Shell-Thick	SLE-QP	8.4443	-0.2653	10.83	-6.09
755	Shell-Thick	SLE-QP	6.8363	-0.9684	10.83	-6.17
755	Shell-Thick	SLE-QP	7.0602	-0.3425	10.78	-6.17
756	Shell-Thick	SLU-STATICA	19.3122	0.0297	23.59	-11.93
756	Shell-Thick	SLU-STATICA	18.0978	-1.0511	24.07	-11.93
756	Shell-Thick	SLU-STATICA	14.5212	-3.0532	24.07	-12.75
756	Shell-Thick	SLU-STATICA	15.7379	-1.9871	23.59	-12.75
756	Shell-Thick	SLU-SISMICA	31.6652	-0.9378	37.73	-17.59
756	Shell-Thick	SLU-SISMICA	29.6035	-2.5319	38.61	-17.59
756	Shell-Thick	SLU-SISMICA	23.8763	-6.0016	38.61	-19.11
756	Shell-Thick	SLU-SISMICA	25.9378	-4.4029	37.73	-19.11
756	Shell-Thick	SLE-RARA	14.0181	0.0707	17.17	-8.75
756	Shell-Thick	SLE-RARA	13.1402	-0.7227	17.51	-8.75
756	Shell-Thick	SLE-RARA	10.5372	-2.1667	17.51	-9.35
756	Shell-Thick	SLE-RARA	11.4170	-1.3854	17.17	-9.35
756	Shell-Thick	SLE-FREQ.	12.6572	0.1485	15.59	-8.07
756	Shell-Thick	SLE-FREQ.	11.8706	-0.5832	15.89	-8.07
756	Shell-Thick	SLE-FREQ.	9.5085	-1.8709	15.89	-8.59
756	Shell-Thick	SLE-FREQ.	10.2972	-1.1527	15.59	-8.59
756	Shell-Thick	SLE-QP	8.5748	0.3818	10.83	-6.03
756	Shell-Thick	SLE-QP	8.0620	-0.1646	11.01	-6.03
756	Shell-Thick	SLE-QP	6.4227	-0.9838	11.01	-6.34
756	Shell-Thick	SLE-QP	6.9380	-0.4546	10.83	-6.34
757	Shell-Thick	SLU-STATICA	18.3794	-0.2505	23.92	-11.42
757	Shell-Thick	SLU-STATICA	17.8314	-1.0709	24.36	-11.42
757	Shell-Thick	SLU-STATICA	14.2394	-2.6471	24.36	-12.17
757	Shell-Thick	SLU-STATICA	14.7274	-1.4155	23.92	-12.17
757	Shell-Thick	SLU-SISMICA	30.0427	-1.4844	38.34	-16.26
757	Shell-Thick	SLU-SISMICA	29.1836	-2.5717	39.09	-16.26
757	Shell-Thick	SLU-SISMICA	23.4309	-5.1994	39.09	-17.56
757	Shell-Thick	SLU-SISMICA	24.1780	-3.3448	38.34	-17.56
757	Shell-Thick	SLE-RARA	13.3456	-0.1283	17.41	-8.41



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757	Shell-Thick	SLE-RARA	12.9459	-0.7367	17.72	-8.41
757	Shell-Thick	SLE-RARA	10.3317	-1.8786	17.72	-8.95
757	Shell-Thick	SLE-RARA	10.6886	-0.9765	17.41	-8.95
757	Shell-Thick	SLE-FREQ.	12.0581	-0.0237	15.80	-7.81
757	Shell-Thick	SLE-FREQ.	11.6937	-0.5952	16.07	-7.81
757	Shell-Thick	SLE-FREQ.	9.3216	-1.6225	16.07	-8.29
757	Shell-Thick	SLE-FREQ.	9.6484	-0.7938	15.80	-8.29
757	Shell-Thick	SLE-QP	8.1954	0.2900	10.96	-6.00
757	Shell-Thick	SLE-QP	7.9373	-0.1707	11.13	-6.00
757	Shell-Thick	SLE-QP	6.2913	-0.8543	11.13	-6.29
757	Shell-Thick	SLE-QP	6.5278	-0.2459	10.96	-6.29
758	Shell-Thick	SLU-STATICA	18.1039	0.3061	24.35	-10.99
758	Shell-Thick	SLU-STATICA	17.0373	-0.7031	24.83	-10.99
758	Shell-Thick	SLU-STATICA	13.3447	-2.7498	24.83	-11.81
758	Shell-Thick	SLU-STATICA	14.4166	-1.7752	24.35	-11.81
758	Shell-Thick	SLU-SISMICA	29.6000	-0.4404	39.10	-15.09
758	Shell-Thick	SLU-SISMICA	27.8615	-1.8125	39.88	-15.09
758	Shell-Thick	SLU-SISMICA	21.9366	-5.3956	39.88	-16.44
758	Shell-Thick	SLU-SISMICA	23.6756	-4.0254	39.10	-16.44
758	Shell-Thick	SLE-RARA	13.1452	0.2691	17.72	-8.12
758	Shell-Thick	SLE-RARA	12.3705	-0.4775	18.07	-8.12
758	Shell-Thick	SLE-RARA	9.6837	-1.9518	18.07	-8.72
758	Shell-Thick	SLE-RARA	10.4627	-1.2331	17.72	-8.72
758	Shell-Thick	SLE-FREQ.	11.8764	0.3239	16.07	-7.59
758	Shell-Thick	SLE-FREQ.	11.1759	-0.3745	16.38	-7.59
758	Shell-Thick	SLE-FREQ.	8.7388	-1.6862	16.38	-8.13
758	Shell-Thick	SLE-FREQ.	9.4438	-1.0177	16.07	-8.13
758	Shell-Thick	SLE-QP	8.0698	0.4880	11.13	-5.98
758	Shell-Thick	SLE-QP	7.5923	-0.0657	11.34	-5.98
758	Shell-Thick	SLE-QP	5.9043	-0.8896	11.34	-6.34
758	Shell-Thick	SLE-QP	6.3871	-0.3718	11.13	-6.34
759	Shell-Thick	SLU-STATICA	17.2935	-0.0254	24.69	-10.55
759	Shell-Thick	SLU-STATICA	16.7623	-0.8042	25.16	-10.55
759	Shell-Thick	SLU-STATICA	13.0482	-2.3553	25.16	-11.37
759	Shell-Thick	SLU-STATICA	13.5285	-1.2274	24.69	-11.37
759	Shell-Thick	SLU-SISMICA	28.2407	-1.0477	39.61	-13.94
759	Shell-Thick	SLU-SISMICA	27.4485	-1.9761	40.34	-13.94
759	Shell-Thick	SLU-SISMICA	21.5002	-4.5858	40.34	-15.20
759	Shell-Thick	SLU-SISMICA	22.1935	-2.9799	39.61	-15.20
759	Shell-Thick	SLE-RARA	12.5585	0.0317	17.96	-7.83
759	Shell-Thick	SLE-RARA	12.1690	-0.5510	18.31	-7.83
759	Shell-Thick	SLE-RARA	9.4660	-1.6735	18.31	-8.42
759	Shell-Thick	SLE-RARA	9.8193	-0.8427	17.96	-8.42
759	Shell-Thick	SLE-FREQ.	11.3492	0.1149	16.29	-7.36
759	Shell-Thick	SLE-FREQ.	10.9908	-0.4411	16.61	-7.36
759	Shell-Thick	SLE-FREQ.	8.5380	-1.4490	16.61	-7.90
759	Shell-Thick	SLE-FREQ.	8.8651	-0.6779	16.29	-7.90
759	Shell-Thick	SLE-QP	7.7213	0.3646	11.29	-5.94
759	Shell-Thick	SLE-QP	7.4560	-0.1114	11.51	-5.94
759	Shell-Thick	SLE-QP	5.7540	-0.7753	11.51	-6.33
759	Shell-Thick	SLE-QP	6.0025	-0.1835	11.29	-6.33
760	Shell-Thick	SLU-STATICA	17.0120	0.4814	25.16	-10.19
760	Shell-Thick	SLU-STATICA	16.0497	-0.4618	25.64	-10.19
760	Shell-Thick	SLU-STATICA	12.2348	-2.5168	25.64	-11.02
760	Shell-Thick	SLU-STATICA	13.2035	-1.6156	25.16	-11.02
760	Shell-Thick	SLU-SISMICA	27.8103	-0.0774	40.35	-12.94
760	Shell-Thick	SLU-SISMICA	26.3051	-1.2509	41.06	-12.94
760	Shell-Thick	SLU-SISMICA	20.1984	-4.8485	41.06	-14.16
760	Shell-Thick	SLU-SISMICA	21.7024	-3.6642	40.35	-14.16
760	Shell-Thick	SLE-RARA	12.3527	0.3926	18.31	-7.58
760	Shell-Thick	SLE-RARA	11.6505	-0.3106	18.66	-7.58
760	Shell-Thick	SLE-RARA	8.8740	-1.7909	18.66	-8.19
760	Shell-Thick	SLE-RARA	9.5814	-1.1221	18.31	-8.19
760	Shell-Thick	SLE-FREQ.	11.1607	0.4288	16.61	-7.17
760	Shell-Thick	SLE-FREQ.	10.5205	-0.2381	16.94	-7.17
760	Shell-Thick	SLE-FREQ.	8.0008	-1.5551	16.94	-7.73
760	Shell-Thick	SLE-FREQ.	8.6467	-0.9261	16.61	-7.73
760	Shell-Thick	SLE-QP	7.5847	0.5375	11.51	-5.93
760	Shell-Thick	SLE-QP	7.1303	-0.0206	11.76	-5.93

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760	Shell-Thick	SLE-QP	5.3810	-0.8478	11.76	-6.35
760	Shell-Thick	SLE-QP	5.8426	-0.3380	11.51	-6.35
761	Shell-Thick	SLU-STATICA	16.2797	0.1073	25.51	-9.79
761	Shell-Thick	SLU-STATICA	15.7515	-0.6315	25.98	-9.79
761	Shell-Thick	SLU-STATICA	11.9108	-2.1662	25.98	-10.60
761	Shell-Thick	SLU-STATICA	12.3958	-1.1309	25.51	-10.60
761	Shell-Thick	SLU-SISMICA	26.6255	-0.7226	40.80	-11.94
761	Shell-Thick	SLU-SISMICA	25.8685	-1.5084	41.45	-11.94
761	Shell-Thick	SLU-SISMICA	19.7423	-4.0977	41.45	-13.05
761	Shell-Thick	SLU-SISMICA	20.4114	-2.7094	40.80	-13.05
761	Shell-Thick	SLE-RARA	11.8203	0.1226	18.57	-7.31
761	Shell-Thick	SLE-RARA	11.4314	-0.4348	18.91	-7.31
761	Shell-Thick	SLE-RARA	8.6350	-1.5452	18.91	-7.91
761	Shell-Thick	SLE-RARA	8.9934	-0.7783	18.57	-7.91
761	Shell-Thick	SLE-FREQ.	10.6786	0.1878	16.85	-6.96
761	Shell-Thick	SLE-FREQ.	10.3181	-0.3520	17.17	-6.96
761	Shell-Thick	SLE-FREQ.	7.7785	-1.3484	17.17	-7.51
761	Shell-Thick	SLE-FREQ.	8.1129	-0.6294	16.85	-7.51
761	Shell-Thick	SLE-QP	7.2536	0.3833	11.71	-5.89
761	Shell-Thick	SLE-QP	6.9783	-0.1037	11.96	-5.89
761	Shell-Thick	SLE-QP	5.2090	-0.7579	11.96	-6.33
761	Shell-Thick	SLE-QP	5.4715	-0.1826	11.71	-6.33
762	Shell-Thick	SLU-STATICA	15.9753	0.5412	25.99	-9.45
762	Shell-Thick	SLU-STATICA	15.0855	-0.3361	26.45	-9.45
762	Shell-Thick	SLU-STATICA	11.1487	-2.3856	26.45	-10.25
762	Shell-Thick	SLU-STATICA	12.0448	-1.5495	25.99	-10.25
762	Shell-Thick	SLU-SISMICA	26.1737	0.1296	41.46	-11.05
762	Shell-Thick	SLU-SISMICA	24.8329	-0.8599	42.06	-11.05
762	Shell-Thick	SLU-SISMICA	18.5689	-4.4195	42.06	-12.09
762	Shell-Thick	SLU-SISMICA	19.9050	-3.3962	41.46	-12.09
762	Shell-Thick	SLE-RARA	11.5970	0.4306	18.92	-7.08
762	Shell-Thick	SLE-RARA	10.9452	-0.2286	19.26	-7.08
762	Shell-Thick	SLE-RARA	8.0781	-1.7063	19.26	-7.67
762	Shell-Thick	SLE-RARA	8.7352	-1.0821	18.92	-7.67
762	Shell-Thick	SLE-FREQ.	10.4729	0.4538	17.18	-6.77
762	Shell-Thick	SLE-FREQ.	9.8743	-0.1799	17.51	-6.77
762	Shell-Thick	SLE-FREQ.	7.2691	-1.4971	17.51	-7.33
762	Shell-Thick	SLE-FREQ.	7.8738	-0.9037	17.18	-7.33
762	Shell-Thick	SLE-QP	7.1008	0.5235	11.96	-5.85
762	Shell-Thick	SLE-QP	6.6615	-0.0338	12.23	-5.85
762	Shell-Thick	SLE-QP	4.8422	-0.8694	12.23	-6.31
762	Shell-Thick	SLE-QP	5.2898	-0.3683	11.96	-6.31
763	Shell-Thick	SLU-STATICA	15.2886	0.1349	26.32	-9.07
763	Shell-Thick	SLU-STATICA	14.7510	-0.5612	26.76	-9.07
763	Shell-Thick	SLU-STATICA	10.7869	-2.0931	26.76	-9.83
763	Shell-Thick	SLU-STATICA	11.2878	-1.1453	26.32	-9.83
763	Shell-Thick	SLU-SISMICA	25.0967	-0.5318	41.83	-10.14
763	Shell-Thick	SLU-SISMICA	24.3476	-1.1840	42.36	-10.14
763	Shell-Thick	SLU-SISMICA	18.0712	-3.7571	42.36	-11.06
763	Shell-Thick	SLU-SISMICA	18.7415	-2.5658	41.83	-11.06
763	Shell-Thick	SLE-RARA	11.0961	0.1355	19.17	-6.82
763	Shell-Thick	SLE-RARA	10.6993	-0.3942	19.50	-6.82
763	Shell-Thick	SLE-RARA	7.8107	-1.5031	19.50	-7.39
763	Shell-Thick	SLE-RARA	8.1819	-0.7971	19.17	-7.39
763	Shell-Thick	SLE-FREQ.	10.0164	0.1869	17.42	-6.56
763	Shell-Thick	SLE-FREQ.	9.6468	-0.3333	17.74	-6.56
763	Shell-Thick	SLE-FREQ.	7.0195	-1.3293	17.74	-7.11
763	Shell-Thick	SLE-FREQ.	7.3676	-0.6607	17.42	-7.11
763	Shell-Thick	SLE-QP	6.7776	0.3413	12.18	-5.79
763	Shell-Thick	SLE-QP	6.4894	-0.1506	12.45	-5.79
763	Shell-Thick	SLE-QP	4.6459	-0.8079	12.45	-6.26
763	Shell-Thick	SLE-QP	4.9247	-0.2515	12.18	-6.26
764	Shell-Thick	SLU-STATICA	14.9477	0.4894	26.78	-8.71
764	Shell-Thick	SLU-STATICA	14.1088	-0.3187	27.20	-8.71
764	Shell-Thick	SLU-STATICA	10.0565	-2.3622	27.20	-9.45
764	Shell-Thick	SLU-STATICA	10.9009	-1.5901	26.78	-9.45
764	Shell-Thick	SLU-SISMICA	24.5973	0.1896	42.38	-9.30
764	Shell-Thick	SLU-SISMICA	23.3721	-0.6246	42.85	-9.30
764	Shell-Thick	SLU-SISMICA	16.9819	-4.1222	42.85	-10.12

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764	Shell-Thick	SLU-SISMICA	18.1983	-3.2468	42.38	-10.12
764	Shell-Thick	SLE-RARA	10.8457	0.3857	19.51	-6.57
764	Shell-Thick	SLE-RARA	10.2292	-0.2262	19.83	-6.57
764	Shell-Thick	SLE-RARA	7.2751	-1.7022	19.83	-7.13
764	Shell-Thick	SLE-RARA	7.8964	-1.1223	19.51	-7.13
764	Shell-Thick	SLE-FREQ.	9.7853	0.4009	17.75	-6.36
764	Shell-Thick	SLE-FREQ.	9.2157	-0.1955	18.06	-6.36
764	Shell-Thick	SLE-FREQ.	6.5266	-1.5156	18.06	-6.90
764	Shell-Thick	SLE-FREQ.	7.1020	-0.9585	17.75	-6.90
764	Shell-Thick	SLE-QP	6.6040	0.4462	12.46	-5.73
764	Shell-Thick	SLE-QP	6.1753	-0.1033	12.73	-5.73
764	Shell-Thick	SLE-QP	4.2811	-0.9558	12.73	-6.20
764	Shell-Thick	SLE-QP	4.7188	-0.4670	12.46	-6.20
765	Shell-Thick	SLU-STATICA	14.2844	0.0607	27.09	-8.32
765	Shell-Thick	SLU-STATICA	13.7292	-0.5866	27.48	-8.32
765	Shell-Thick	SLU-STATICA	9.6510	-2.1291	27.48	-9.00
765	Shell-Thick	SLU-STATICA	10.1753	-1.2694	27.09	-9.00
765	Shell-Thick	SLU-SISMICA	23.5816	-0.4703	42.64	-8.43
765	Shell-Thick	SLU-SISMICA	22.8214	-0.9917	43.04	-8.43
765	Shell-Thick	SLU-SISMICA	16.4287	-3.5522	43.04	-9.12
765	Shell-Thick	SLU-SISMICA	17.1182	-2.5470	42.64	-9.12
765	Shell-Thick	SLE-RARA	10.3606	0.0724	19.75	-6.30
765	Shell-Thick	SLE-RARA	9.9501	-0.4243	20.05	-6.30
765	Shell-Thick	SLE-RARA	6.9752	-1.5424	20.05	-6.82
765	Shell-Thick	SLE-RARA	7.3643	-0.8983	19.75	-6.82
765	Shell-Thick	SLE-FREQ.	9.3411	0.1143	17.98	-6.13
765	Shell-Thick	SLE-FREQ.	8.9576	-0.3806	18.28	-6.13
765	Shell-Thick	SLE-FREQ.	6.2462	-1.3874	18.28	-6.64
765	Shell-Thick	SLE-FREQ.	6.6121	-0.7711	17.98	-6.64
765	Shell-Thick	SLE-QP	6.2826	0.2398	12.69	-5.64
765	Shell-Thick	SLE-QP	5.9799	-0.2493	12.96	-5.64
765	Shell-Thick	SLE-QP	4.0593	-0.9225	12.96	-6.11
765	Shell-Thick	SLE-QP	4.3556	-0.3897	12.69	-6.11
766	Shell-Thick	SLU-STATICA	13.8979	0.3374	27.50	-7.93
766	Shell-Thick	SLU-STATICA	13.0960	-0.3949	27.87	-7.93
766	Shell-Thick	SLU-STATICA	8.9402	-2.4363	27.87	-8.57
766	Shell-Thick	SLU-STATICA	9.7464	-1.7326	27.50	-8.57
766	Shell-Thick	SLU-SISMICA	23.0172	0.1247	43.07	-7.61
766	Shell-Thick	SLU-SISMICA	21.8743	-0.5180	43.39	-7.61
766	Shell-Thick	SLU-SISMICA	15.3942	-3.9415	43.39	-8.18
766	Shell-Thick	SLU-SISMICA	16.5244	-3.2110	43.07	-8.18
766	Shell-Thick	SLE-RARA	10.0766	0.2662	20.06	-6.03
766	Shell-Thick	SLE-RARA	9.4859	-0.2931	20.34	-6.03
766	Shell-Thick	SLE-RARA	6.4528	-1.7711	20.34	-6.51
766	Shell-Thick	SLE-RARA	7.0475	-1.2392	20.06	-6.51
766	Shell-Thick	SLE-FREQ.	9.0787	0.2772	18.29	-5.91
766	Shell-Thick	SLE-FREQ.	8.5306	-0.2757	18.56	-5.91
766	Shell-Thick	SLE-FREQ.	5.7633	-1.6037	18.56	-6.39
766	Shell-Thick	SLE-FREQ.	6.3167	-1.0872	18.29	-6.39
766	Shell-Thick	SLE-QP	6.0850	0.3099	12.96	-5.54
766	Shell-Thick	SLE-QP	5.6647	-0.2237	13.23	-5.54
766	Shell-Thick	SLE-QP	3.6948	-1.1016	13.23	-6.00
766	Shell-Thick	SLE-QP	4.1244	-0.6310	12.96	-6.00
767	Shell-Thick	SLU-STATICA	13.2433	-0.1042	27.76	-7.50
767	Shell-Thick	SLU-STATICA	12.6665	-0.6932	28.09	-7.50
767	Shell-Thick	SLU-STATICA	8.4890	-2.2568	28.09	-8.07
767	Shell-Thick	SLU-STATICA	9.0401	-1.4909	27.76	-8.07
767	Shell-Thick	SLU-SISMICA	22.0316	-0.5189	43.21	-6.74
767	Shell-Thick	SLU-SISMICA	21.2492	-0.9073	43.45	-6.74
767	Shell-Thick	SLU-SISMICA	14.7794	-3.4542	43.45	-7.17
767	Shell-Thick	SLU-SISMICA	15.4985	-2.6325	43.21	-7.17
767	Shell-Thick	SLE-RARA	9.5971	-0.0583	20.27	-5.72
767	Shell-Thick	SLE-RARA	9.1702	-0.5146	20.52	-5.72
767	Shell-Thick	SLE-RARA	6.1190	-1.6504	20.52	-6.16
767	Shell-Thick	SLE-RARA	6.5282	-1.0728	20.27	-6.16
767	Shell-Thick	SLE-FREQ.	8.6382	-0.0227	18.50	-5.64
767	Shell-Thick	SLE-FREQ.	8.2388	-0.4843	18.75	-5.64
767	Shell-Thick	SLE-FREQ.	5.4512	-1.5113	18.75	-6.09
767	Shell-Thick	SLE-FREQ.	5.8365	-0.9526	18.50	-6.09

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767	Shell-Thick	SLE-QP	5.7616	0.0838	13.19	-5.41
767	Shell-Thick	SLE-QP	5.4445	-0.3935	13.45	-5.41
767	Shell-Thick	SLE-QP	3.4477	-1.0941	13.45	-5.85
767	Shell-Thick	SLE-QP	3.7613	-0.5918	13.19	-5.85
768	Shell-Thick	SLU-STATICA	12.8059	0.1008	28.11	-7.07
768	Shell-Thick	SLU-STATICA	12.0331	-0.5465	28.41	-7.07
768	Shell-Thick	SLU-STATICA	7.7913	-2.5884	28.41	-7.57
768	Shell-Thick	SLU-STATICA	8.5673	-1.9624	28.11	-7.57
768	Shell-Thick	SLU-SISMICA	21.3926	-0.0377	43.48	-5.90
768	Shell-Thick	SLU-SISMICA	20.3103	-0.5084	43.65	-5.90
768	Shell-Thick	SLU-SISMICA	13.7813	-3.8473	43.65	-6.19
768	Shell-Thick	SLU-SISMICA	14.8475	-3.2662	43.48	-6.19
768	Shell-Thick	SLE-RARA	9.2757	0.0833	20.54	-5.41
768	Shell-Thick	SLE-RARA	8.7056	-0.4160	20.76	-5.41
768	Shell-Thick	SLE-RARA	5.6053	-1.8986	20.76	-5.81
768	Shell-Thick	SLE-RARA	6.1789	-1.4220	20.54	-5.81
768	Shell-Thick	SLE-FREQ.	8.3413	0.0926	18.77	-5.37
768	Shell-Thick	SLE-FREQ.	7.8107	-0.4089	19.00	-5.37
768	Shell-Thick	SLE-FREQ.	4.9749	-1.7483	19.00	-5.78
768	Shell-Thick	SLE-FREQ.	5.5104	-1.2798	18.77	-5.78
768	Shell-Thick	SLE-QP	5.5382	0.1206	13.46	-5.26
768	Shell-Thick	SLE-QP	5.1261	-0.3875	13.71	-5.26
768	Shell-Thick	SLE-QP	3.0834	-1.2975	13.71	-5.69
768	Shell-Thick	SLE-QP	3.5050	-0.8532	13.46	-5.69
769	Shell-Thick	SLU-STATICA	12.1508	-0.3442	28.32	-6.58
769	Shell-Thick	SLU-STATICA	11.5528	-0.8630	28.56	-6.58
769	Shell-Thick	SLU-STATICA	7.2965	-2.4531	28.56	-7.00
769	Shell-Thick	SLU-STATICA	7.8736	-1.7908	28.32	-7.00
769	Shell-Thick	SLU-SISMICA	20.4166	-0.6518	43.49	-5.01
769	Shell-Thick	SLU-SISMICA	19.6084	-0.9009	43.57	-5.01
769	Shell-Thick	SLU-SISMICA	13.1054	-3.4259	43.57	-5.14
769	Shell-Thick	SLU-SISMICA	13.8574	-2.7921	43.49	-5.14
769	Shell-Thick	SLE-RARA	8.7953	-0.2455	20.70	-5.06
769	Shell-Thick	SLE-RARA	8.3527	-0.6520	20.89	-5.06
769	Shell-Thick	SLE-RARA	5.2394	-1.8103	20.89	-5.40
769	Shell-Thick	SLE-RARA	5.6680	-1.3070	20.70	-5.40
769	Shell-Thick	SLE-FREQ.	7.8992	-0.2142	18.94	-5.07
769	Shell-Thick	SLE-FREQ.	7.4847	-0.6328	19.14	-5.07
769	Shell-Thick	SLE-FREQ.	4.6328	-1.6857	19.14	-5.42
769	Shell-Thick	SLE-FREQ.	5.0365	-1.1925	18.94	-5.42
769	Shell-Thick	SLE-QP	5.2107	-0.1202	13.67	-5.08
769	Shell-Thick	SLE-QP	4.8808	-0.5753	13.90	-5.08
769	Shell-Thick	SLE-QP	2.8131	-1.3120	13.90	-5.47
769	Shell-Thick	SLE-QP	3.1420	-0.8490	13.67	-5.47
770	Shell-Thick	SLU-STATICA	11.6612	-0.2035	28.59	-6.07
770	Shell-Thick	SLU-STATICA	10.9144	-0.7543	28.78	-6.07
770	Shell-Thick	SLU-STATICA	6.6097	-2.7932	28.78	-6.41
770	Shell-Thick	SLU-STATICA	7.3589	-2.2585	28.59	-6.41
770	Shell-Thick	SLU-SISMICA	19.7000	-0.2681	43.60	-4.12
770	Shell-Thick	SLU-SISMICA	18.6658	-0.5626	43.59	-4.12
770	Shell-Thick	SLU-SISMICA	12.1338	-3.8002	43.59	-4.10
770	Shell-Thick	SLU-SISMICA	13.1496	-3.3799	43.60	-4.10
770	Shell-Thick	SLE-RARA	8.4356	-0.1509	20.91	-4.70
770	Shell-Thick	SLE-RARA	7.8841	-0.5811	21.07	-4.70
770	Shell-Thick	SLE-RARA	4.7332	-2.0663	21.07	-4.97
770	Shell-Thick	SLE-RARA	5.2876	-1.6555	20.91	-4.97
770	Shell-Thick	SLE-FREQ.	7.5670	-0.1419	19.16	-4.74
770	Shell-Thick	SLE-FREQ.	7.0526	-0.5825	19.33	-4.74
770	Shell-Thick	SLE-FREQ.	4.1625	-1.9326	19.33	-5.04
770	Shell-Thick	SLE-FREQ.	4.6814	-1.5225	19.16	-5.04
770	Shell-Thick	SLE-QP	4.9611	-0.1148	13.91	-4.88
770	Shell-Thick	SLE-QP	4.5584	-0.5868	14.12	-4.88
770	Shell-Thick	SLE-QP	2.4505	-1.5315	14.12	-5.24
770	Shell-Thick	SLE-QP	2.8626	-1.1236	13.91	-5.24
771	Shell-Thick	SLU-STATICA	11.0005	-0.6421	28.70	-5.51
771	Shell-Thick	SLU-STATICA	10.3864	-1.0762	28.84	-5.51
771	Shell-Thick	SLU-STATICA	6.0776	-2.6907	28.84	-5.74
771	Shell-Thick	SLU-STATICA	6.6755	-2.1460	28.70	-5.74
771	Shell-Thick	SLU-SISMICA	18.7214	-0.8393	43.46	-3.17

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771	Shell-Thick	SLU-SISMICA	17.8912	-0.9394	43.35	-3.17
771	Shell-Thick	SLU-SISMICA	11.4039	-3.4245	43.35	-2.98
771	Shell-Thick	SLU-SISMICA	12.1850	-2.9895	43.46	-2.98
771	Shell-Thick	SLE-RARA	7.9508	-0.4768	21.01	-4.29
771	Shell-Thick	SLE-RARA	7.4963	-0.8223	21.13	-4.29
771	Shell-Thick	SLE-RARA	4.3399	-2.0023	21.13	-4.49
771	Shell-Thick	SLE-RARA	4.7838	-1.5840	21.01	-4.49
771	Shell-Thick	SLE-FREQ.	7.1202	-0.4488	19.28	-4.38
771	Shell-Thick	SLE-FREQ.	6.6947	-0.8132	19.42	-4.38
771	Shell-Thick	SLE-FREQ.	3.7951	-1.8926	19.42	-4.61
771	Shell-Thick	SLE-FREQ.	4.2131	-1.4757	19.28	-4.61
771	Shell-Thick	SLE-QP	4.6286	-0.3649	14.09	-4.64
771	Shell-Thick	SLE-QP	4.2899	-0.7861	14.28	-4.64
771	Shell-Thick	SLE-QP	2.1610	-1.5636	14.28	-4.95
771	Shell-Thick	SLE-QP	2.5009	-1.1505	14.09	-4.95
772	Shell-Thick	SLU-STATICA	10.4626	-0.5576	28.87	-4.90
772	Shell-Thick	SLU-STATICA	9.7158	-1.0157	28.94	-4.90
772	Shell-Thick	SLU-STATICA	5.3775	-3.0301	28.94	-5.02
772	Shell-Thick	SLU-STATICA	6.1265	-2.5841	28.87	-5.02
772	Shell-Thick	SLU-SISMICA	17.9316	-0.5424	43.39	-2.19
772	Shell-Thick	SLU-SISMICA	16.9029	-0.6605	43.16	-2.19
772	Shell-Thick	SLU-SISMICA	10.4219	-3.7495	43.16	-1.81
772	Shell-Thick	SLU-SISMICA	11.4272	-3.5033	43.39	-1.81
772	Shell-Thick	SLE-RARA	7.5557	-0.4233	21.15	-3.85
772	Shell-Thick	SLE-RARA	7.0039	-0.7873	21.22	-3.85
772	Shell-Thick	SLE-RARA	3.8234	-2.2602	21.22	-3.97
772	Shell-Thick	SLE-RARA	4.3782	-1.9122	21.15	-3.97
772	Shell-Thick	SLE-FREQ.	6.7556	-0.4141	19.44	-3.98
772	Shell-Thick	SLE-FREQ.	6.2406	-0.7971	19.53	-3.98
772	Shell-Thick	SLE-FREQ.	3.3146	-2.1453	19.53	-4.13
772	Shell-Thick	SLE-FREQ.	3.8346	-1.7895	19.44	-4.13
772	Shell-Thick	SLE-QP	4.3553	-0.3866	14.29	-4.36
772	Shell-Thick	SLE-QP	3.9506	-0.8264	14.46	-4.36
772	Shell-Thick	SLE-QP	1.7881	-1.8008	14.46	-4.63
772	Shell-Thick	SLE-QP	2.2039	-1.4215	14.29	-4.63
773	Shell-Thick	SLU-STATICA	9.7857	-0.8612	28.89	-3.86
773	Shell-Thick	SLU-STATICA	8.5290	-1.5008	28.82	-3.86
773	Shell-Thick	SLU-STATICA	4.2102	-3.1922	28.82	-3.80
773	Shell-Thick	SLU-STATICA	5.4380	-2.5326	28.89	-3.80
773	Shell-Thick	SLU-SISMICA	16.9111	-0.9835	43.07	-0.61
773	Shell-Thick	SLU-SISMICA	15.1698	-0.9814	42.29	-0.61
773	Shell-Thick	SLU-SISMICA	8.8310	-3.4277	42.29	6.999E-02
773	Shell-Thick	SLU-SISMICA	10.4324	-3.3333	43.07	6.999E-02
773	Shell-Thick	SLE-RARA	7.0600	-0.6465	21.19	-3.09
773	Shell-Thick	SLE-RARA	6.1319	-1.1631	21.17	-3.09
773	Shell-Thick	SLE-RARA	2.9600	-2.4071	21.17	-3.07
773	Shell-Thick	SLE-RARA	3.8718	-1.8792	21.19	-3.07
773	Shell-Thick	SLE-FREQ.	6.3003	-0.6205	19.50	-3.28
773	Shell-Thick	SLE-FREQ.	5.4350	-1.1771	19.54	-3.28
773	Shell-Thick	SLE-FREQ.	2.5073	-2.3284	19.54	-3.31
773	Shell-Thick	SLE-FREQ.	3.3658	-1.7670	19.50	-3.31
773	Shell-Thick	SLE-QP	4.0214	-0.5425	14.44	-3.85
773	Shell-Thick	SLE-QP	3.3442	-1.2191	14.65	-3.85
773	Shell-Thick	SLE-QP	1.1491	-2.0922	14.65	-4.04
773	Shell-Thick	SLE-QP	1.8481	-1.4306	14.44	-4.04
774	Shell-Thick	SLU-STATICA	8.5711	-1.1267	28.86	-2.69
774	Shell-Thick	SLU-STATICA	7.9025	-1.3635	28.69	-2.69
774	Shell-Thick	SLU-STATICA	3.5827	-3.3338	28.69	-2.40
774	Shell-Thick	SLU-STATICA	4.2558	-3.1279	28.86	-2.40
774	Shell-Thick	SLU-SISMICA	15.1410	-0.9163	42.34	1.09
774	Shell-Thick	SLU-SISMICA	14.2176	-0.7271	41.78	1.09
774	Shell-Thick	SLU-SISMICA	7.9152	-3.5935	41.78	2.05
774	Shell-Thick	SLU-SISMICA	8.8229	-3.6774	42.34	2.05
774	Shell-Thick	SLE-RARA	6.1674	-0.8642	21.20	-2.22
774	Shell-Thick	SLE-RARA	5.6734	-1.0649	21.09	-2.22
774	Shell-Thick	SLE-RARA	2.4989	-2.5132	21.09	-2.04
774	Shell-Thick	SLE-RARA	2.9972	-2.3428	21.20	-2.04
774	Shell-Thick	SLE-FREQ.	5.4754	-0.8602	19.57	-2.48
774	Shell-Thick	SLE-FREQ.	5.0145	-1.0909	19.50	-2.48

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774	Shell-Thick	SLE-FREQ.	2.0812	-2.4299	19.50	-2.36
774	Shell-Thick	SLE-FREQ.	2.5480	-2.2399	19.57	-2.36
774	Shell-Thick	SLE-QP	3.3994	-0.8482	14.67	-3.24
774	Shell-Thick	SLE-QP	3.0379	-1.1691	14.71	-3.24
774	Shell-Thick	SLE-QP	0.8282	-2.1800	14.71	-3.31
774	Shell-Thick	SLE-QP	1.2003	-1.9311	14.67	-3.31
775	Shell-Thick	SLU-STATICA	7.8957	-1.5193	28.67	-1.74
775	Shell-Thick	SLU-STATICA	7.3016	-1.6384	28.41	-1.74
775	Shell-Thick	SLU-STATICA	3.0219	-3.2100	28.41	-1.30
775	Shell-Thick	SLU-STATICA	3.6121	-3.0649	28.67	-1.30
775	Shell-Thick	SLU-SISMICA	14.1407	-1.3546	41.72	2.37
775	Shell-Thick	SLU-SISMICA	13.3221	-0.9983	41.03	2.37
775	Shell-Thick	SLU-SISMICA	7.1289	-3.1764	41.03	3.55
775	Shell-Thick	SLU-SISMICA	7.9183	-3.3351	41.72	3.55
775	Shell-Thick	SLE-RARA	5.6717	-1.1594	21.07	-1.52
775	Shell-Thick	SLE-RARA	5.2327	-1.2733	20.90	-1.52
775	Shell-Thick	SLE-RARA	2.0852	-2.4340	20.90	-1.22
775	Shell-Thick	SLE-RARA	2.5225	-2.3089	21.07	-1.22
775	Shell-Thick	SLE-FREQ.	5.0187	-1.1444	19.48	-1.82
775	Shell-Thick	SLE-FREQ.	4.6089	-1.2946	19.34	-1.82
775	Shell-Thick	SLE-FREQ.	1.6962	-2.3768	19.34	-1.59
775	Shell-Thick	SLE-FREQ.	2.1064	-2.2298	19.48	-1.59
775	Shell-Thick	SLE-QP	3.0595	-1.0993	14.70	-2.72
775	Shell-Thick	SLE-QP	2.7375	-1.3582	14.69	-2.72
775	Shell-Thick	SLE-QP	0.5294	-2.2050	14.69	-2.70
775	Shell-Thick	SLE-QP	0.8581	-1.9924	14.70	-2.70
776	Shell-Thick	SLU-STATICA	7.2780	-1.4827	28.47	-0.69
776	Shell-Thick	SLU-STATICA	6.6637	-1.5385	28.11	-0.69
776	Shell-Thick	SLU-STATICA	2.4157	-3.4209	28.11	-6.811E-02
776	Shell-Thick	SLU-STATICA	3.0365	-3.4105	28.47	-6.811E-02
776	Shell-Thick	SLU-SISMICA	13.2247	-1.1024	41.12	3.74
776	Shell-Thick	SLU-SISMICA	12.3659	-0.6759	40.29	3.74
776	Shell-Thick	SLU-SISMICA	6.2645	-3.2994	40.29	5.16
776	Shell-Thick	SLU-SISMICA	7.1114	-3.6467	41.12	5.16
776	Shell-Thick	SLE-RARA	5.2185	-1.1425	20.94	-0.74
776	Shell-Thick	SLE-RARA	4.7652	-1.2087	20.69	-0.74
776	Shell-Thick	SLE-RARA	1.6387	-2.5982	20.69	-0.31
776	Shell-Thick	SLE-RARA	2.0979	-2.5725	20.94	-0.31
776	Shell-Thick	SLE-FREQ.	4.6012	-1.1455	19.39	-1.09
776	Shell-Thick	SLE-FREQ.	4.1791	-1.2498	19.18	-1.09
776	Shell-Thick	SLE-FREQ.	1.2820	-2.5441	19.18	-0.73
776	Shell-Thick	SLE-FREQ.	1.7112	-2.4896	19.39	-0.73
776	Shell-Thick	SLE-QP	2.7490	-1.1548	14.72	-2.13
776	Shell-Thick	SLE-QP	2.4208	-1.3731	14.65	-2.13
776	Shell-Thick	SLE-QP	0.2119	-2.3819	14.65	-2.00
776	Shell-Thick	SLE-QP	0.5514	-2.2411	14.72	-2.00
777	Shell-Thick	SLU-STATICA	6.6121	-1.8197	28.11	0.48
777	Shell-Thick	SLU-STATICA	6.0615	-1.7522	27.63	0.48
777	Shell-Thick	SLU-STATICA	1.8785	-3.2299	27.63	1.30
777	Shell-Thick	SLU-STATICA	2.4318	-3.3171	28.11	1.30
777	Shell-Thick	SLU-SISMICA	12.2309	-1.4453	40.27	5.22
777	Shell-Thick	SLU-SISMICA	11.4556	-0.8578	39.30	5.22
777	Shell-Thick	SLU-SISMICA	5.4952	-2.7988	39.30	6.89
777	Shell-Thick	SLU-SISMICA	6.2524	-3.2655	40.27	6.89
777	Shell-Thick	SLE-RARA	4.7303	-1.3975	20.69	0.13
777	Shell-Thick	SLE-RARA	4.3243	-1.3723	20.36	0.13
777	Shell-Thick	SLE-RARA	1.2432	-2.4689	20.36	0.70
777	Shell-Thick	SLE-RARA	1.6523	-2.5161	20.69	0.70
777	Shell-Thick	SLE-FREQ.	4.1519	-1.3938	19.18	-0.26
777	Shell-Thick	SLE-FREQ.	3.7744	-1.4119	18.90	-0.26
777	Shell-Thick	SLE-FREQ.	0.9153	-2.4434	18.90	0.23
777	Shell-Thick	SLE-FREQ.	1.2976	-2.4583	19.18	0.23
777	Shell-Thick	SLE-QP	2.4167	-1.3828	14.65	-1.44
777	Shell-Thick	SLE-QP	2.1246	-1.5310	14.52	-1.44
777	Shell-Thick	SLE-QP	-0.0684	-2.3671	14.52	-1.21
777	Shell-Thick	SLE-QP	0.2334	-2.2849	14.65	-1.21
778	Shell-Thick	SLU-STATICA	5.9907	-1.7554	27.72	1.78
778	Shell-Thick	SLU-STATICA	5.4533	-1.5909	27.13	1.78
778	Shell-Thick	SLU-STATICA	1.3338	-3.3335	27.13	2.80

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778	Shell-Thick	SLU-STATICA	1.8811	-3.5671	27.72	2.80
778	Shell-Thick	SLU-SISMICA	11.2981	-1.1590	39.41	6.82
778	Shell-Thick	SLU-SISMICA	10.5276	-0.4633	38.30	6.82
778	Shell-Thick	SLU-SISMICA	4.7007	-2.7751	38.30	8.75
778	Shell-Thick	SLU-SISMICA	5.4654	-3.4342	39.41	8.75
778	Shell-Thick	SLE-RARA	4.2750	-1.3599	20.42	1.10
778	Shell-Thick	SLE-RARA	3.8794	-1.2616	20.00	1.10
778	Shell-Thick	SLE-RARA	0.8430	-2.5537	20.00	1.82
778	Shell-Thick	SLE-RARA	1.2468	-2.7096	20.42	1.82
778	Shell-Thick	SLE-FREQ.	3.7334	-1.3753	18.95	0.66
778	Shell-Thick	SLE-FREQ.	3.3667	-1.3232	18.59	0.66
778	Shell-Thick	SLE-FREQ.	0.5455	-2.5367	18.59	1.29
778	Shell-Thick	SLE-FREQ.	0.9215	-2.6537	18.95	1.29
778	Shell-Thick	SLE-QP	2.1087	-1.4218	14.56	-0.67
778	Shell-Thick	SLE-QP	1.8287	-1.5079	14.36	-0.67
778	Shell-Thick	SLE-QP	-0.3470	-2.4854	14.36	-0.31
778	Shell-Thick	SLE-QP	-0.0544	-2.4860	14.56	-0.31
779	Shell-Thick	SLU-STATICA	5.3521	-2.0146	27.15	3.21
779	Shell-Thick	SLU-STATICA	4.8757	-1.7181	26.43	3.21
779	Shell-Thick	SLU-STATICA	0.8507	-3.0267	26.43	4.45
779	Shell-Thick	SLU-STATICA	1.3376	-3.3970	27.15	4.45
779	Shell-Thick	SLU-SISMICA	10.3308	-1.3876	38.31	8.55
779	Shell-Thick	SLU-SISMICA	9.6343	-0.5327	37.04	8.55
779	Shell-Thick	SLU-SISMICA	3.9844	-2.1343	37.04	10.75
779	Shell-Thick	SLU-SISMICA	4.6759	-2.9588	38.31	10.75
779	Shell-Thick	SLE-RARA	3.8074	-1.5578	20.02	2.17
779	Shell-Thick	SLE-RARA	3.4574	-1.3609	19.50	2.17
779	Shell-Thick	SLE-RARA	0.4885	-2.3379	19.50	3.06
779	Shell-Thick	SLE-RARA	0.8472	-2.5958	20.02	3.06
779	Shell-Thick	SLE-FREQ.	3.3044	-1.5709	18.60	1.68
779	Shell-Thick	SLE-FREQ.	2.9811	-1.4248	18.15	1.68
779	Shell-Thick	SLE-FREQ.	0.2189	-2.3536	18.15	2.47
779	Shell-Thick	SLE-FREQ.	0.5520	-2.5679	18.60	2.47
779	Shell-Thick	SLE-QP	1.7953	-1.6103	14.37	0.20
779	Shell-Thick	SLE-QP	1.5521	-1.6164	14.09	0.20
779	Shell-Thick	SLE-QP	-0.5899	-2.4007	14.09	0.69
779	Shell-Thick	SLE-QP	-0.3337	-2.4839	14.37	0.69
780	Shell-Thick	SLU-STATICA	4.7528	-1.8810	26.54	4.79
780	Shell-Thick	SLU-STATICA	4.3200	-1.4520	25.69	4.79
780	Shell-Thick	SLU-STATICA	0.3943	-2.9893	25.69	6.26
780	Shell-Thick	SLU-STATICA	0.8419	-3.5217	26.54	6.26
780	Shell-Thick	SLU-SISMICA	9.4129	-1.0172	37.18	10.41
780	Shell-Thick	SLU-SISMICA	8.7609	-0.0148	35.74	10.41
780	Shell-Thick	SLU-SISMICA	3.2889	-1.9348	35.74	12.90
780	Shell-Thick	SLU-SISMICA	3.9437	-2.9605	37.18	12.90
780	Shell-Thick	SLE-RARA	3.3692	-1.4683	19.58	3.35
780	Shell-Thick	SLE-RARA	3.0521	-1.1718	18.96	3.35
780	Shell-Thick	SLE-RARA	0.1546	-2.3176	18.96	4.41
780	Shell-Thick	SLE-RARA	0.4834	-2.6965	19.58	4.41
780	Shell-Thick	SLE-FREQ.	2.9031	-1.5031	18.22	2.81
780	Shell-Thick	SLE-FREQ.	2.6119	-1.2610	17.67	2.81
780	Shell-Thick	SLE-FREQ.	-0.0871	-2.3472	17.67	3.76
780	Shell-Thick	SLE-FREQ.	0.2166	-2.6761	18.22	3.76
780	Shell-Thick	SLE-QP	1.5050	-1.6075	14.15	1.17
780	Shell-Thick	SLE-QP	1.2913	-1.5287	13.79	1.17
780	Shell-Thick	SLE-QP	-0.8122	-2.4357	13.79	1.80
780	Shell-Thick	SLE-QP	-0.5839	-2.6151	14.15	1.80
781	Shell-Thick	SLU-STATICA	4.1641	-2.0383	25.74	6.52
781	Shell-Thick	SLU-STATICA	3.7954	-1.4655	24.74	6.52
781	Shell-Thick	SLU-STATICA	-0.0015	-2.5068	24.74	8.24
781	Shell-Thick	SLU-STATICA	0.3871	-3.2185	25.74	8.24
781	Shell-Thick	SLU-SISMICA	8.4980	-1.1133	35.79	12.42
781	Shell-Thick	SLU-SISMICA	7.9188	0.0501	34.18	12.42
781	Shell-Thick	SLU-SISMICA	2.6639	-1.0862	34.18	15.21
781	Shell-Thick	SLU-SISMICA	3.2537	-2.3265	35.79	15.21
781	Shell-Thick	SLE-RARA	2.9394	-1.5906	19.00	4.65
781	Shell-Thick	SLE-RARA	2.6705	-1.1859	18.28	4.65
781	Shell-Thick	SLE-RARA	-0.1339	-1.9703	18.28	5.90
781	Shell-Thick	SLE-RARA	0.1505	-2.4832	19.00	5.90



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781	Shell-Thick	SLE-FREQ.	2.5107	-1.6274	17.71	4.05
781	Shell-Thick	SLE-FREQ.	2.2658	-1.2813	17.05	4.05
781	Shell-Thick	SLE-FREQ.	-0.3497	-2.0384	17.05	5.18
781	Shell-Thick	SLE-FREQ.	-0.0888	-2.4953	17.71	5.18
781	Shell-Thick	SLE-QP	1.2248	-1.7378	13.82	2.25
781	Shell-Thick	SLE-QP	1.0516	-1.5672	13.37	2.25
781	Shell-Thick	SLE-QP	-0.9969	-2.2430	13.37	3.03
781	Shell-Thick	SLE-QP	-0.8067	-2.5315	13.82	3.03
782	Shell-Thick	SLU-STATICA	3.6158	-1.7834	24.88	8.43
782	Shell-Thick	SLU-STATICA	3.3223	-1.0390	23.74	8.43
782	Shell-Thick	SLU-STATICA	-0.3356	-2.2900	23.74	10.40
782	Shell-Thick	SLU-STATICA	-0.0208	-3.1837	24.88	10.40
782	Shell-Thick	SLU-SISMICA	7.6294	-0.5992	34.37	14.60
782	Shell-Thick	SLU-SISMICA	7.1355	0.7544	32.58	14.60
782	Shell-Thick	SLU-SISMICA	2.1057	-0.6816	32.58	17.68
782	Shell-Thick	SLU-SISMICA	2.6136	-2.1361	34.37	17.68
782	Shell-Thick	SLE-RARA	2.5398	-1.4103	18.38	6.08
782	Shell-Thick	SLE-RARA	2.3274	-0.8766	17.55	6.08
782	Shell-Thick	SLE-RARA	-0.3759	-1.8153	17.55	7.52
782	Shell-Thick	SLE-RARA	-0.1470	-2.4646	18.38	7.52
782	Shell-Thick	SLE-FREQ.	2.1474	-1.4729	17.15	5.42
782	Shell-Thick	SLE-FREQ.	1.9567	-1.0024	16.39	5.42
782	Shell-Thick	SLE-FREQ.	-0.5673	-1.9027	16.39	6.74
782	Shell-Thick	SLE-FREQ.	-0.3599	-2.4899	17.15	6.74
782	Shell-Thick	SLE-QP	0.9700	-1.6605	13.45	3.45
782	Shell-Thick	SLE-QP	0.8444	-1.3797	12.91	3.45
782	Shell-Thick	SLE-QP	-1.1414	-2.1650	12.91	4.39
782	Shell-Thick	SLE-QP	-0.9985	-2.5659	13.45	4.39
783	Shell-Thick	SLU-STATICA	3.1073	-1.8071	23.81	10.51
783	Shell-Thick	SLU-STATICA	2.8812	-0.9037	22.51	10.51
783	Shell-Thick	SLU-STATICA	-0.6095	-1.5577	22.51	12.76
783	Shell-Thick	SLU-STATICA	-0.3521	-2.6789	23.81	12.76
783	Shell-Thick	SLU-SISMICA	6.8023	-0.5396	32.67	16.94
783	Shell-Thick	SLU-SISMICA	6.3798	0.9800	30.70	16.94
783	Shell-Thick	SLU-SISMICA	1.6110	0.4547	30.70	20.35
783	Shell-Thick	SLU-SISMICA	2.0626	-1.2693	32.67	20.35
783	Shell-Thick	SLE-RARA	2.1704	-1.4324	17.60	7.64
783	Shell-Thick	SLE-RARA	2.0089	-0.7786	16.65	7.64
783	Shell-Thick	SLE-RARA	-0.5725	-1.2806	16.65	9.29
783	Shell-Thick	SLE-RARA	-0.3871	-2.1001	17.60	9.29
783	Shell-Thick	SLE-FREQ.	1.8133	-1.5013	16.44	6.93
783	Shell-Thick	SLE-FREQ.	1.6718	-0.9143	15.56	6.93
783	Shell-Thick	SLE-FREQ.	-0.7408	-1.4144	15.56	8.44
783	Shell-Thick	SLE-FREQ.	-0.5760	-2.1642	16.44	8.44
783	Shell-Thick	SLE-QP	0.7417	-1.7078	12.95	4.78
783	Shell-Thick	SLE-QP	0.6607	-1.3211	12.31	4.78
783	Shell-Thick	SLE-QP	-1.2459	-1.8159	12.31	5.88
783	Shell-Thick	SLE-QP	-1.1427	-2.3564	12.95	5.88
784	Shell-Thick	SLU-STATICA	2.6410	-1.3665	22.68	12.80
784	Shell-Thick	SLU-STATICA	2.5281	-0.2469	21.22	12.80
784	Shell-Thick	SLU-STATICA	-0.7808	-1.1119	21.22	15.33
784	Shell-Thick	SLU-STATICA	-0.6381	-2.4393	22.68	15.33
784	Shell-Thick	SLU-SISMICA	6.0184	0.1871	30.94	19.48
784	Shell-Thick	SLU-SISMICA	5.7316	1.9458	28.78	19.48
784	Shell-Thick	SLU-SISMICA	1.2374	1.1005	28.78	23.21
784	Shell-Thick	SLU-SISMICA	1.5519	-0.8545	30.94	23.21
784	Shell-Thick	SLE-RARA	1.8329	-1.1129	16.78	9.37
784	Shell-Thick	SLE-RARA	1.7560	-0.2963	15.70	9.37
784	Shell-Thick	SLE-RARA	-0.6921	-0.9528	15.70	11.22
784	Shell-Thick	SLE-RARA	-0.5926	-1.9273	16.78	11.22
784	Shell-Thick	SLE-FREQ.	1.5101	-1.2131	15.69	8.59
784	Shell-Thick	SLE-FREQ.	1.4495	-0.4692	14.70	8.59
784	Shell-Thick	SLE-FREQ.	-0.8409	-1.1111	14.70	10.30
784	Shell-Thick	SLE-FREQ.	-0.7580	-2.0100	15.69	10.30
784	Shell-Thick	SLE-QP	0.5419	-1.5138	12.41	6.25
784	Shell-Thick	SLE-QP	0.5298	-0.9879	11.67	6.25
784	Shell-Thick	SLE-QP	-1.2873	-1.5861	11.67	7.52
784	Shell-Thick	SLE-QP	-1.2541	-2.2582	12.41	7.52
785	Shell-Thick	SLU-STATICA	2.2737	-1.1548	21.31	15.15



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785	Shell-Thick	SLU-STATICA	2.2101	-0.0754	19.90	15.15
785	Shell-Thick	SLU-STATICA	-0.8924	-0.1598	19.90	17.93
785	Shell-Thick	SLU-STATICA	-0.8066	-1.6051	21.31	17.93
785	Shell-Thick	SLU-SISMICA	5.3561	0.5143	28.89	22.06
785	Shell-Thick	SLU-SISMICA	5.1320	2.1438	26.85	22.06
785	Shell-Thick	SLU-SISMICA	0.9378	2.4462	26.85	26.08
785	Shell-Thick	SLU-SISMICA	1.1870	0.4022	28.89	26.08
785	Shell-Thick	SLE-RARA	1.5693	-0.9582	15.77	11.13
785	Shell-Thick	SLE-RARA	1.5291	-0.1677	14.73	11.13
785	Shell-Thick	SLE-RARA	-0.7674	-0.2509	14.73	13.18
785	Shell-Thick	SLE-RARA	-0.7105	-1.3162	15.77	13.18
785	Shell-Thick	SLE-FREQ.	1.2773	-1.0718	14.76	10.29
785	Shell-Thick	SLE-FREQ.	1.2513	-0.3459	13.80	10.29
785	Shell-Thick	SLE-FREQ.	-0.8989	-0.4589	13.80	12.19
785	Shell-Thick	SLE-FREQ.	-0.8568	-1.4487	14.76	12.19
785	Shell-Thick	SLE-QP	0.4013	-1.4124	11.72	7.76
785	Shell-Thick	SLE-QP	0.4178	-0.8806	10.99	7.76
785	Shell-Thick	SLE-QP	-1.2933	-1.0829	10.99	9.21
785	Shell-Thick	SLE-QP	-1.2958	-1.8463	11.72	9.21
786	Shell-Thick	SLU-STATICA	17.3152	-1.7209	23.15	-12.79
786	Shell-Thick	SLU-STATICA	16.6572	-2.5768	23.10	-12.79
786	Shell-Thick	SLU-STATICA	13.2245	-3.9864	23.10	-12.70
786	Shell-Thick	SLU-STATICA	13.8084	-2.6249	23.15	-12.70
786	Shell-Thick	SLU-SISMICA	28.1107	-4.0533	36.39	-19.18
786	Shell-Thick	SLU-SISMICA	27.0669	-5.2784	36.51	-19.18
786	Shell-Thick	SLU-SISMICA	21.6642	-7.5029	36.51	-19.40
786	Shell-Thick	SLU-SISMICA	22.5754	-5.3715	36.39	-19.40
786	Shell-Thick	SLE-RARA	12.5825	-1.1878	16.89	-9.38
786	Shell-Thick	SLE-RARA	12.1031	-1.8179	16.83	-9.38
786	Shell-Thick	SLE-RARA	9.6002	-2.8455	16.83	-9.29
786	Shell-Thick	SLE-RARA	10.0264	-1.8521	16.89	-9.29
786	Shell-Thick	SLE-FREQ.	11.3851	-0.9668	15.38	-8.62
786	Shell-Thick	SLE-FREQ.	10.9492	-1.5511	15.32	-8.62
786	Shell-Thick	SLE-FREQ.	8.6699	-2.4863	15.32	-8.51
786	Shell-Thick	SLE-FREQ.	9.0587	-1.5808	15.38	-8.51
786	Shell-Thick	SLE-QP	7.7928	-0.3039	10.87	-6.35
786	Shell-Thick	SLE-QP	7.4875	-0.7505	10.76	-6.35
786	Shell-Thick	SLE-QP	5.8790	-1.4089	10.76	-6.17
786	Shell-Thick	SLE-QP	6.1556	-0.7666	10.87	-6.17
787	Shell-Thick	SLU-STATICA	16.9175	-1.1360	23.12	-12.28
787	Shell-Thick	SLU-STATICA	15.5658	-2.2232	23.37	-12.28
787	Shell-Thick	SLU-STATICA	12.0777	-4.1862	23.37	-12.71
787	Shell-Thick	SLU-STATICA	13.4296	-3.1000	23.12	-12.71
787	Shell-Thick	SLU-SISMICA	27.4808	-2.9734	36.56	-17.77
787	Shell-Thick	SLU-SISMICA	25.2433	-4.5478	37.11	-17.77
787	Shell-Thick	SLU-SISMICA	19.7181	-7.8992	37.11	-18.72
787	Shell-Thick	SLU-SISMICA	21.9521	-6.2990	36.56	-18.72
787	Shell-Thick	SLE-RARA	12.2927	-0.7693	16.85	-9.03
787	Shell-Thick	SLE-RARA	11.3126	-1.5688	17.02	-9.03
787	Shell-Thick	SLE-RARA	8.7710	-2.9871	17.02	-9.33
787	Shell-Thick	SLE-RARA	9.7515	-2.1896	16.85	-9.33
787	Shell-Thick	SLE-FREQ.	11.1215	-0.5993	15.33	-8.36
787	Shell-Thick	SLE-FREQ.	10.2384	-1.3391	15.47	-8.36
787	Shell-Thick	SLE-FREQ.	7.9269	-2.6083	15.47	-8.60
787	Shell-Thick	SLE-FREQ.	8.8107	-1.8727	15.33	-8.60
787	Shell-Thick	SLE-QP	7.6079	-0.0894	10.77	-6.34
787	Shell-Thick	SLE-QP	7.0157	-0.6499	10.83	-6.34
787	Shell-Thick	SLE-QP	5.3944	-1.4719	10.83	-6.43
787	Shell-Thick	SLE-QP	5.9882	-0.9220	10.77	-6.43
788	Shell-Thick	SLU-STATICA	15.8244	-1.5235	23.23	-11.84
788	Shell-Thick	SLU-STATICA	15.1846	-2.3520	23.42	-11.84
788	Shell-Thick	SLU-STATICA	11.7163	-3.7780	23.42	-12.18
788	Shell-Thick	SLU-STATICA	12.2929	-2.5170	23.23	-12.18
788	Shell-Thick	SLU-SISMICA	25.6426	-3.7049	36.84	-16.50
788	Shell-Thick	SLU-SISMICA	24.6752	-4.7750	37.27	-16.50
788	Shell-Thick	SLU-SISMICA	19.1737	-7.0787	37.27	-17.25
788	Shell-Thick	SLU-SISMICA	20.0248	-5.2126	36.84	-17.25
788	Shell-Thick	SLE-RARA	11.5015	-1.0458	16.92	-8.74
788	Shell-Thick	SLE-RARA	11.0331	-1.6615	17.06	-8.74

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788	Shell-Thick	SLE-RARA	8.5064	-2.6983	17.06	-8.98
788	Shell-Thick	SLE-RARA	8.9296	-1.7729	16.92	-8.98
788	Shell-Thick	SLE-FREQ.	10.4111	-0.8407	15.39	-8.14
788	Shell-Thick	SLE-FREQ.	9.9811	-1.4214	15.50	-8.14
788	Shell-Thick	SLE-FREQ.	7.6838	-2.3605	15.50	-8.34
788	Shell-Thick	SLE-FREQ.	8.0740	-1.5077	15.39	-8.34
788	Shell-Thick	SLE-QP	7.1397	-0.2256	10.78	-6.35
788	Shell-Thick	SLE-QP	6.8251	-0.7011	10.82	-6.35
788	Shell-Thick	SLE-QP	5.2160	-1.3471	10.82	-6.42
788	Shell-Thick	SLE-QP	5.5072	-0.7119	10.78	-6.42
789	Shell-Thick	SLU-STATICA	15.4370	-0.9711	23.45	-11.46
789	Shell-Thick	SLU-STATICA	14.2286	-1.9937	23.69	-11.46
789	Shell-Thick	SLU-STATICA	10.6909	-3.9778	23.69	-11.88
789	Shell-Thick	SLU-STATICA	11.9016	-2.9702	23.45	-11.88
789	Shell-Thick	SLU-SISMICA	25.0573	-2.6531	37.31	-15.37
789	Shell-Thick	SLU-SISMICA	23.1378	-4.0123	37.78	-15.37
789	Shell-Thick	SLU-SISMICA	17.5058	-7.4376	37.78	-16.19
789	Shell-Thick	SLU-SISMICA	19.4216	-6.0511	37.31	-16.19
789	Shell-Thick	SLE-RARA	11.2179	-0.6521	17.08	-8.49
789	Shell-Thick	SLE-RARA	10.3376	-1.4102	17.25	-8.49
789	Shell-Thick	SLE-RARA	7.7613	-2.8417	17.25	-8.79
789	Shell-Thick	SLE-RARA	8.6437	-2.0971	17.08	-8.79
789	Shell-Thick	SLE-FREQ.	10.1507	-0.4978	15.52	-7.95
789	Shell-Thick	SLE-FREQ.	9.3506	-1.2095	15.67	-7.95
789	Shell-Thick	SLE-FREQ.	7.0099	-2.4873	15.67	-8.22
789	Shell-Thick	SLE-FREQ.	7.8125	-1.7922	15.52	-8.22
789	Shell-Thick	SLE-QP	6.9491	-0.0348	10.83	-6.36
789	Shell-Thick	SLE-QP	6.3894	-0.6075	10.92	-6.36
789	Shell-Thick	SLE-QP	4.7556	-1.4241	10.92	-6.51
789	Shell-Thick	SLE-QP	5.3192	-0.8775	10.83	-6.51
790	Shell-Thick	SLU-STATICA	14.4650	-1.3819	23.56	-11.03
790	Shell-Thick	SLU-STATICA	13.8428	-2.1765	23.81	-11.03
790	Shell-Thick	SLU-STATICA	10.3162	-3.6010	23.81	-11.46
790	Shell-Thick	SLU-STATICA	10.8847	-2.4383	23.56	-11.46
790	Shell-Thick	SLU-SISMICA	23.4837	-3.3795	37.52	-14.22
790	Shell-Thick	SLU-SISMICA	22.5849	-4.2996	37.96	-14.22
790	Shell-Thick	SLU-SISMICA	16.9731	-6.6400	37.96	-14.97
790	Shell-Thick	SLU-SISMICA	17.7698	-5.0206	37.52	-14.97
790	Shell-Thick	SLE-RARA	10.5113	-0.9476	17.16	-8.20
790	Shell-Thick	SLE-RARA	10.0536	-1.5434	17.33	-8.20
790	Shell-Thick	SLE-RARA	7.4853	-2.5772	17.33	-8.51
790	Shell-Thick	SLE-RARA	7.9047	-1.7190	17.16	-8.51
790	Shell-Thick	SLE-FREQ.	9.5110	-0.7601	15.58	-7.74
790	Shell-Thick	SLE-FREQ.	9.0873	-1.3309	15.74	-7.74
790	Shell-Thick	SLE-FREQ.	6.7537	-2.2639	15.74	-8.01
790	Shell-Thick	SLE-FREQ.	7.1440	-1.4644	15.58	-8.01
790	Shell-Thick	SLE-QP	6.5100	-0.1975	10.87	-6.35
790	Shell-Thick	SLE-QP	6.1883	-0.6933	10.97	-6.35
790	Shell-Thick	SLE-QP	4.5588	-1.3240	10.97	-6.52
790	Shell-Thick	SLE-QP	4.8618	-0.7006	10.87	-6.52
791	Shell-Thick	SLU-STATICA	14.0745	-0.8940	23.83	-10.67
791	Shell-Thick	SLU-STATICA	12.9822	-1.8531	24.10	-10.67
791	Shell-Thick	SLU-STATICA	9.3848	-3.8417	24.10	-11.13
791	Shell-Thick	SLU-STATICA	10.4804	-2.9040	23.83	-11.13
791	Shell-Thick	SLU-SISMICA	22.9172	-2.4215	38.00	-13.21
791	Shell-Thick	SLU-SISMICA	21.2522	-3.5826	38.42	-13.21
791	Shell-Thick	SLU-SISMICA	15.5214	-7.0180	38.42	-13.94
791	Shell-Thick	SLU-SISMICA	17.1808	-5.8179	38.00	-13.94
791	Shell-Thick	SLE-RARA	10.2242	-0.6013	17.35	-7.96
791	Shell-Thick	SLE-RARA	9.4250	-1.3180	17.55	-7.96
791	Shell-Thick	SLE-RARA	6.8055	-2.7527	17.55	-8.29
791	Shell-Thick	SLE-RARA	7.6075	-2.0553	17.35	-8.29
791	Shell-Thick	SLE-FREQ.	9.2454	-0.4610	15.76	-7.56
791	Shell-Thick	SLE-FREQ.	8.5130	-1.1433	15.94	-7.56
791	Shell-Thick	SLE-FREQ.	6.1334	-2.4238	15.94	-7.86
791	Shell-Thick	SLE-FREQ.	6.8693	-1.7652	15.76	-7.86
791	Shell-Thick	SLE-QP	6.3090	-0.0399	10.98	-6.34
791	Shell-Thick	SLE-QP	5.7769	-0.6195	11.11	-6.34
791	Shell-Thick	SLE-QP	4.1171	-1.4371	11.11	-6.55

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791	Shell-Thick	SLE-QP	4.6546	-0.8948	10.98	-6.55
792	Shell-Thick	SLU-STATICA	13.1946	-1.3306	23.97	-10.26
792	Shell-Thick	SLU-STATICA	12.5854	-2.0871	24.23	-10.26
792	Shell-Thick	SLU-STATICA	8.9922	-3.5145	24.23	-10.71
792	Shell-Thick	SLU-STATICA	9.5559	-2.4468	23.97	-10.71
792	Shell-Thick	SLU-SISMICA	21.5446	-3.1419	38.18	-12.15
792	Shell-Thick	SLU-SISMICA	20.6994	-3.9198	38.56	-12.15
792	Shell-Thick	SLU-SISMICA	14.9870	-6.2844	38.56	-12.80
792	Shell-Thick	SLU-SISMICA	15.7424	-4.8918	38.18	-12.80
792	Shell-Thick	SLE-RARA	9.5820	-0.9180	17.45	-7.68
792	Shell-Thick	SLE-RARA	9.1322	-1.4902	17.65	-7.68
792	Shell-Thick	SLE-RARA	6.5150	-2.5251	17.65	-8.01
792	Shell-Thick	SLE-RARA	6.9326	-1.7322	17.45	-8.01
792	Shell-Thick	SLE-FREQ.	8.6595	-0.7465	15.86	-7.34
792	Shell-Thick	SLE-FREQ.	8.2402	-1.3028	16.03	-7.34
792	Shell-Thick	SLE-FREQ.	5.8617	-2.2352	16.03	-7.64
792	Shell-Thick	SLE-FREQ.	6.2533	-1.4886	15.86	-7.64
792	Shell-Thick	SLE-QP	5.8921	-0.2321	11.06	-6.30
792	Shell-Thick	SLE-QP	5.5643	-0.7408	11.19	-6.30
792	Shell-Thick	SLE-QP	3.9019	-1.3655	11.19	-6.53
792	Shell-Thick	SLE-QP	4.2152	-0.7576	11.06	-6.53
793	Shell-Thick	SLU-STATICA	12.7924	-0.9224	24.26	-9.89
793	Shell-Thick	SLU-STATICA	11.7945	-1.8136	24.52	-9.89
793	Shell-Thick	SLU-STATICA	8.1336	-3.7989	24.52	-10.34
793	Shell-Thick	SLU-STATICA	9.1350	-2.9307	24.26	-10.34
793	Shell-Thick	SLU-SISMICA	20.9783	-2.3075	38.60	-11.19
793	Shell-Thick	SLU-SISMICA	19.5152	-3.2793	38.95	-11.19
793	Shell-Thick	SLU-SISMICA	13.7010	-6.6835	38.95	-11.79
793	Shell-Thick	SLU-SISMICA	15.1562	-5.6561	38.60	-11.79
793	Shell-Thick	SLE-RARA	9.2854	-0.6299	17.67	-7.43
793	Shell-Thick	SLE-RARA	8.5525	-1.3012	17.86	-7.43
793	Shell-Thick	SLE-RARA	5.8858	-2.7349	17.86	-7.76
793	Shell-Thick	SLE-RARA	6.6219	-2.0849	17.67	-7.76
793	Shell-Thick	SLE-FREQ.	8.3837	-0.5005	16.05	-7.14
793	Shell-Thick	SLE-FREQ.	7.7071	-1.1487	16.23	-7.14
793	Shell-Thick	SLE-FREQ.	5.2831	-2.4304	16.23	-7.45
793	Shell-Thick	SLE-FREQ.	5.9638	-1.8096	16.05	-7.45
793	Shell-Thick	SLE-QP	5.6787	-0.1124	11.21	-6.27
793	Shell-Thick	SLE-QP	5.1710	-0.6911	11.35	-6.27
793	Shell-Thick	SLE-QP	3.4751	-1.5169	11.35	-6.52
793	Shell-Thick	SLE-QP	3.9895	-0.9834	11.21	-6.52
794	Shell-Thick	SLU-STATICA	11.9807	-1.3803	24.40	-9.46
794	Shell-Thick	SLU-STATICA	11.3792	-2.0914	24.65	-9.46
794	Shell-Thick	SLU-STATICA	7.7187	-3.5291	24.65	-9.88
794	Shell-Thick	SLU-STATICA	8.2823	-2.5576	24.40	-9.88
794	Shell-Thick	SLU-SISMICA	19.7537	-3.0136	38.73	-10.18
794	Shell-Thick	SLU-SISMICA	18.9462	-3.6515	39.02	-10.18
794	Shell-Thick	SLU-SISMICA	13.1528	-6.0312	39.02	-10.69
794	Shell-Thick	SLU-SISMICA	13.8816	-4.8538	38.73	-10.69
794	Shell-Thick	SLE-RARA	8.6910	-0.9646	17.77	-7.13
794	Shell-Thick	SLE-RARA	8.2454	-1.5070	17.96	-7.13
794	Shell-Thick	SLE-RARA	5.5780	-2.5494	17.96	-7.45
794	Shell-Thick	SLE-RARA	5.9968	-1.8236	17.77	-7.45
794	Shell-Thick	SLE-FREQ.	7.8379	-0.8065	16.16	-6.90
794	Shell-Thick	SLE-FREQ.	7.4203	-1.3416	16.33	-6.90
794	Shell-Thick	SLE-FREQ.	4.9939	-2.2810	16.33	-7.20
794	Shell-Thick	SLE-FREQ.	5.3888	-1.5899	16.16	-7.20
794	Shell-Thick	SLE-QP	5.2786	-0.3325	11.31	-6.19
794	Shell-Thick	SLE-QP	4.9448	-0.8455	11.46	-6.19
794	Shell-Thick	SLE-QP	3.2416	-1.4755	11.46	-6.45
794	Shell-Thick	SLE-QP	3.5648	-0.8889	11.31	-6.45
795	Shell-Thick	SLU-STATICA	11.5589	-1.0541	24.68	-9.05
795	Shell-Thick	SLU-STATICA	10.6401	-1.8699	24.91	-9.05
795	Shell-Thick	SLU-STATICA	6.9185	-3.8507	24.91	-9.45
795	Shell-Thick	SLU-STATICA	7.8408	-3.0572	24.68	-9.45
795	Shell-Thick	SLU-SISMICA	19.1711	-2.3072	39.06	-9.24
795	Shell-Thick	SLU-SISMICA	17.8697	-3.0931	39.31	-9.24
795	Shell-Thick	SLU-SISMICA	11.9955	-6.4417	39.31	-9.66
795	Shell-Thick	SLU-SISMICA	13.2864	-5.5831	39.06	-9.66

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795	Shell-Thick	SLE-RARA	8.3794	-0.7363	17.98	-6.85
795	Shell-Thick	SLE-RARA	7.7022	-1.3560	18.16	-6.85
795	Shell-Thick	SLE-RARA	4.9895	-2.7887	18.16	-7.15
795	Shell-Thick	SLE-RARA	5.6700	-2.1907	17.98	-7.15
795	Shell-Thick	SLE-FREQ.	7.5472	-0.6151	16.35	-6.66
795	Shell-Thick	SLE-FREQ.	6.9181	-1.2220	16.53	-6.66
795	Shell-Thick	SLE-FREQ.	4.4492	-2.5070	16.53	-6.96
795	Shell-Thick	SLE-FREQ.	5.0826	-1.9291	16.35	-6.96
795	Shell-Thick	SLE-QP	5.0507	-0.2517	11.48	-6.11
795	Shell-Thick	SLE-QP	4.5660	-0.8201	11.63	-6.11
795	Shell-Thick	SLE-QP	2.8285	-1.6619	11.63	-6.38
795	Shell-Thick	SLE-QP	3.3207	-1.1443	11.48	-6.38
796	Shell-Thick	SLU-STATICA	10.7985	-1.5257	24.80	-8.58
796	Shell-Thick	SLU-STATICA	10.2008	-2.1807	25.01	-8.58
796	Shell-Thick	SLU-STATICA	6.4793	-3.6354	25.01	-8.94
796	Shell-Thick	SLU-STATICA	7.0458	-2.7667	24.80	-8.94
796	Shell-Thick	SLU-SISMICA	18.0551	-2.9879	39.11	-8.24
796	Shell-Thick	SLU-SISMICA	17.2724	-3.4829	39.29	-8.24
796	Shell-Thick	SLU-SISMICA	11.4251	-5.8681	39.29	-8.55
796	Shell-Thick	SLU-SISMICA	12.1390	-4.9023	39.11	-8.55
796	Shell-Thick	SLE-RARA	7.8209	-1.0832	18.08	-6.52
796	Shell-Thick	SLE-RARA	7.3772	-1.5875	18.24	-6.52
796	Shell-Thick	SLE-RARA	4.6632	-2.6435	18.24	-6.79
796	Shell-Thick	SLE-RARA	5.0851	-1.9900	18.08	-6.79
796	Shell-Thick	SLE-FREQ.	7.0317	-0.9364	16.46	-6.38
796	Shell-Thick	SLE-FREQ.	6.6142	-1.4413	16.62	-6.38
796	Shell-Thick	SLE-FREQ.	4.1417	-2.3948	16.62	-6.66
796	Shell-Thick	SLE-FREQ.	4.5411	-1.7654	16.46	-6.66
796	Shell-Thick	SLE-QP	4.6641	-0.4958	11.59	-5.98
796	Shell-Thick	SLE-QP	4.3250	-1.0029	11.75	-5.98
796	Shell-Thick	SLE-QP	2.5774	-1.6488	11.75	-6.25
796	Shell-Thick	SLE-QP	2.9093	-1.0917	11.59	-6.25
797	Shell-Thick	SLU-STATICA	10.3516	-1.2765	25.04	-8.11
797	Shell-Thick	SLU-STATICA	9.5017	-2.0064	25.23	-8.11
797	Shell-Thick	SLU-STATICA	5.7285	-3.9822	25.23	-8.43
797	Shell-Thick	SLU-STATICA	6.5817	-3.2737	25.04	-8.43
797	Shell-Thick	SLU-SISMICA	17.4437	-2.3998	39.34	-7.28
797	Shell-Thick	SLU-SISMICA	16.2747	-2.9988	39.45	-7.28
797	Shell-Thick	SLU-SISMICA	10.3702	-6.2734	39.45	-7.48
797	Shell-Thick	SLU-SISMICA	11.5265	-5.5878	39.34	-7.48
797	Shell-Thick	SLE-RARA	7.4904	-0.9113	18.27	-6.19
797	Shell-Thick	SLE-RARA	6.8623	-1.4709	18.41	-6.19
797	Shell-Thick	SLE-RARA	4.1094	-2.9033	18.41	-6.43
797	Shell-Thick	SLE-RARA	4.7408	-2.3653	18.27	-6.43
797	Shell-Thick	SLE-FREQ.	6.7229	-0.7965	16.64	-6.10
797	Shell-Thick	SLE-FREQ.	6.1365	-1.3531	16.79	-6.10
797	Shell-Thick	SLE-FREQ.	3.6267	-2.6434	16.79	-6.35
797	Shell-Thick	SLE-FREQ.	4.2175	-2.1168	16.64	-6.35
797	Shell-Thick	SLE-QP	4.4203	-0.4521	11.77	-5.85
797	Shell-Thick	SLE-QP	3.9590	-0.9996	11.92	-5.85
797	Shell-Thick	SLE-QP	2.1783	-1.8638	11.92	-6.11
797	Shell-Thick	SLE-QP	2.6477	-1.3714	11.77	-6.11
798	Shell-Thick	SLU-STATICA	9.6306	-1.7519	25.14	-7.57
798	Shell-Thick	SLU-STATICA	9.0362	-2.3372	25.29	-7.57
798	Shell-Thick	SLU-STATICA	5.2658	-3.8126	25.29	-7.83
798	Shell-Thick	SLU-STATICA	5.8354	-3.0574	25.14	-7.83
798	Shell-Thick	SLU-SISMICA	16.4078	-3.0422	39.28	-6.26
798	Shell-Thick	SLU-SISMICA	15.6424	-3.3870	39.33	-6.26
798	Shell-Thick	SLU-SISMICA	9.7745	-5.7641	39.33	-6.33
798	Shell-Thick	SLU-SISMICA	10.4805	-5.0136	39.28	-6.33
798	Shell-Thick	SLE-RARA	6.9598	-1.2632	18.34	-5.81
798	Shell-Thick	SLE-RARA	6.5179	-1.7187	18.46	-5.81
798	Shell-Thick	SLE-RARA	3.7655	-2.7917	18.46	-6.01
798	Shell-Thick	SLE-RARA	4.1903	-2.2193	18.34	-6.01
798	Shell-Thick	SLE-FREQ.	6.2313	-1.1261	16.73	-5.77
798	Shell-Thick	SLE-FREQ.	5.8143	-1.5900	16.85	-5.77
798	Shell-Thick	SLE-FREQ.	3.3021	-2.5625	16.85	-5.99
798	Shell-Thick	SLE-FREQ.	3.7052	-2.0038	16.73	-5.99
798	Shell-Thick	SLE-QP	4.0456	-0.7145	11.88	-5.67

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798	Shell-Thick	SLE-QP	3.7035	-1.2041	12.02	-5.67
798	Shell-Thick	SLE-QP	1.9120	-1.8748	12.02	-5.91
798	Shell-Thick	SLE-QP	2.2501	-1.3573	11.88	-5.91
799	Shell-Thick	SLU-STATICA	9.1562	-1.5709	25.32	-7.03
799	Shell-Thick	SLU-STATICA	8.3697	-2.2017	25.44	-7.03
799	Shell-Thick	SLU-STATICA	4.5599	-4.1682	25.44	-7.22
799	Shell-Thick	SLU-STATICA	5.3497	-3.5596	25.32	-7.22
799	Shell-Thick	SLU-SISMICA	15.7606	-2.5553	39.38	-5.25
799	Shell-Thick	SLU-SISMICA	14.7040	-2.9623	39.35	-5.25
799	Shell-Thick	SLU-SISMICA	8.8045	-6.1426	39.35	-5.19
799	Shell-Thick	SLU-SISMICA	9.8473	-5.6412	39.38	-5.19
799	Shell-Thick	SLE-RARA	6.6089	-1.1413	18.49	-5.41
799	Shell-Thick	SLE-RARA	6.0264	-1.6305	18.58	-5.41
799	Shell-Thick	SLE-RARA	3.2438	-3.0600	18.58	-5.57
799	Shell-Thick	SLE-RARA	3.8296	-2.5935	18.49	-5.57
799	Shell-Thick	SLE-FREQ.	5.9032	-1.0323	16.88	-5.43
799	Shell-Thick	SLE-FREQ.	5.3573	-1.5278	16.98	-5.43
799	Shell-Thick	SLE-FREQ.	2.8150	-2.8223	16.98	-5.60
799	Shell-Thick	SLE-FREQ.	3.3656	-2.3585	16.88	-5.60
799	Shell-Thick	SLE-QP	3.7861	-0.7052	12.04	-5.46
799	Shell-Thick	SLE-QP	3.3498	-1.2197	12.17	-5.46
799	Shell-Thick	SLE-QP	1.5285	-2.1091	12.17	-5.69
799	Shell-Thick	SLE-QP	1.9734	-1.6534	12.04	-5.69
800	Shell-Thick	SLU-STATICA	8.4672	-2.0385	25.36	-6.41
800	Shell-Thick	SLU-STATICA	7.8794	-2.5376	25.43	-6.41
800	Shell-Thick	SLU-STATICA	4.0785	-4.0313	25.43	-6.53
800	Shell-Thick	SLU-STATICA	4.6477	-3.4051	25.36	-6.53
800	Shell-Thick	SLU-SISMICA	14.7849	-3.1447	39.21	-4.16
800	Shell-Thick	SLU-SISMICA	14.0354	-3.3280	39.10	-4.16
800	Shell-Thick	SLU-SISMICA	8.1857	-5.6765	39.10	-3.97
800	Shell-Thick	SLU-SISMICA	8.8852	-5.1519	39.21	-3.97
800	Shell-Thick	SLE-RARA	6.1012	-1.4895	18.53	-4.97
800	Shell-Thick	SLE-RARA	5.6638	-1.8834	18.59	-4.97
800	Shell-Thick	SLE-RARA	2.8858	-2.9727	18.59	-5.07
800	Shell-Thick	SLE-RARA	3.3106	-2.4931	18.53	-5.07
800	Shell-Thick	SLE-FREQ.	5.4315	-1.3619	16.93	-5.03
800	Shell-Thick	SLE-FREQ.	5.0183	-1.7720	17.01	-5.03
800	Shell-Thick	SLE-FREQ.	2.4771	-2.7642	17.01	-5.16
800	Shell-Thick	SLE-FREQ.	2.8807	-2.2881	16.93	-5.16
800	Shell-Thick	SLE-QP	3.4226	-0.9790	12.15	-5.22
800	Shell-Thick	SLE-QP	3.0816	-1.4378	12.26	-5.22
800	Shell-Thick	SLE-QP	1.2510	-2.1387	12.26	-5.41
800	Shell-Thick	SLE-QP	1.5911	-1.6730	12.15	-5.41
801	Shell-Thick	SLU-STATICA	7.9663	-1.9150	25.47	-5.76
801	Shell-Thick	SLU-STATICA	7.2415	-2.4308	25.49	-5.76
801	Shell-Thick	SLU-STATICA	3.4164	-4.3761	25.49	-5.79
801	Shell-Thick	SLU-STATICA	4.1451	-3.8866	25.47	-5.79
801	Shell-Thick	SLU-SISMICA	14.1003	-2.7386	39.16	-3.08
801	Shell-Thick	SLU-SISMICA	13.1431	-2.9445	38.96	-3.08
801	Shell-Thick	SLU-SISMICA	7.2899	-6.0025	38.96	-2.73
801	Shell-Thick	SLU-SISMICA	8.2333	-5.7029	39.16	-2.73
801	Shell-Thick	SLE-RARA	5.7307	-1.4100	18.62	-4.50
801	Shell-Thick	SLE-RARA	5.1931	-1.8163	18.64	-4.50
801	Shell-Thick	SLE-RARA	2.3958	-3.2349	18.64	-4.54
801	Shell-Thick	SLE-RARA	2.9372	-2.8545	18.62	-4.54
801	Shell-Thick	SLE-FREQ.	5.0853	-1.3076	17.04	-4.61
801	Shell-Thick	SLE-FREQ.	4.5801	-1.7293	17.08	-4.61
801	Shell-Thick	SLE-FREQ.	2.0184	-3.0215	17.08	-4.68
801	Shell-Thick	SLE-FREQ.	2.5288	-2.6349	17.04	-4.68
801	Shell-Thick	SLE-QP	3.1491	-1.0002	12.28	-4.94
801	Shell-Thick	SLE-QP	2.7410	-1.4683	12.38	-4.94
801	Shell-Thick	SLE-QP	0.8862	-2.3812	12.38	-5.10
801	Shell-Thick	SLE-QP	1.3036	-1.9759	12.28	-5.10
802	Shell-Thick	SLU-STATICA	7.3068	-2.3489	25.43	-5.02
802	Shell-Thick	SLU-STATICA	6.6980	-2.7651	25.39	-5.02
802	Shell-Thick	SLU-STATICA	2.8920	-4.2734	25.39	-4.96
802	Shell-Thick	SLU-STATICA	3.4867	-3.7802	25.43	-4.96
802	Shell-Thick	SLU-SISMICA	13.1733	-3.2442	38.85	-1.88
802	Shell-Thick	SLU-SISMICA	12.3959	-3.2646	38.54	-1.88

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802	Shell-Thick	SLU-SISMICA	6.6130	-5.5606	38.54	-1.38
802	Shell-Thick	SLU-SISMICA	7.3435	-5.2839	38.85	-1.38
802	Shell-Thick	SLE-RARA	5.2444	-1.7353	18.60	-3.96
802	Shell-Thick	SLE-RARA	4.7915	-2.0703	18.59	-3.96
802	Shell-Thick	SLE-RARA	2.0060	-3.1740	18.59	-3.94
802	Shell-Thick	SLE-RARA	2.4498	-2.7895	18.60	-3.94
802	Shell-Thick	SLE-FREQ.	4.6329	-1.6189	17.04	-4.12
802	Shell-Thick	SLE-FREQ.	4.2051	-1.9782	17.05	-4.12
802	Shell-Thick	SLE-FREQ.	1.6507	-2.9899	17.05	-4.13
802	Shell-Thick	SLE-FREQ.	2.0725	-2.5971	17.04	-4.13
802	Shell-Thick	SLE-QP	2.7987	-1.2698	12.36	-4.60
802	Shell-Thick	SLE-QP	2.4459	-1.7019	12.43	-4.60
802	Shell-Thick	SLE-QP	0.5849	-2.4378	12.43	-4.72
802	Shell-Thick	SLE-QP	0.9404	-2.0201	12.36	-4.72
803	Shell-Thick	SLU-STATICA	6.7591	-2.2805	25.43	-3.81
803	Shell-Thick	SLU-STATICA	5.5554	-2.9110	25.16	-3.81
803	Shell-Thick	SLU-STATICA	1.7509	-4.7037	25.16	-3.57
803	Shell-Thick	SLU-STATICA	2.9662	-4.0814	25.43	-3.57
803	Shell-Thick	SLU-SISMICA	12.4002	-3.0259	38.59	-4.864E-02
803	Shell-Thick	SLU-SISMICA	10.8157	-2.9446	37.69	-4.864E-02
803	Shell-Thick	SLU-SISMICA	5.1209	-5.6016	37.69	0.75
803	Shell-Thick	SLU-SISMICA	6.6408	-5.6386	38.59	0.75
803	Shell-Thick	SLE-RARA	4.8406	-1.6909	18.62	-3.08
803	Shell-Thick	SLE-RARA	3.9474	-2.2041	18.44	-3.08
803	Shell-Thick	SLE-RARA	1.1589	-3.5195	18.44	-2.92
803	Shell-Thick	SLE-RARA	2.0645	-3.0150	18.62	-2.92
803	Shell-Thick	SLE-FREQ.	4.2576	-1.5879	17.08	-3.31
803	Shell-Thick	SLE-FREQ.	3.4178	-2.1470	16.96	-3.31
803	Shell-Thick	SLE-FREQ.	0.8533	-3.3589	16.96	-3.21
803	Shell-Thick	SLE-FREQ.	1.7116	-2.8127	17.08	-3.21
803	Shell-Thick	SLE-QP	2.5088	-1.2791	12.46	-4.01
803	Shell-Thick	SLE-QP	1.8289	-1.9757	12.50	-4.01
803	Shell-Thick	SLE-QP	-0.0632	-2.8772	12.50	-4.06
803	Shell-Thick	SLE-QP	0.6529	-2.2058	12.46	-4.06
804	Shell-Thick	SLU-STATICA	5.5782	-2.8616	25.15	-2.40
804	Shell-Thick	SLU-STATICA	5.0568	-3.0409	24.90	-2.40
804	Shell-Thick	SLU-STATICA	1.3035	-4.4872	24.90	-1.98
804	Shell-Thick	SLU-STATICA	1.8216	-4.2856	25.15	-1.98
804	Shell-Thick	SLU-SISMICA	10.7661	-3.3763	37.65	1.99
804	Shell-Thick	SLU-SISMICA	10.0980	-3.0694	37.05	1.99
804	Shell-Thick	SLU-SISMICA	4.5078	-5.1450	37.05	3.03
804	Shell-Thick	SLU-SISMICA	5.1496	-5.2745	37.65	3.03
804	Shell-Thick	SLE-RARA	3.9684	-2.1427	18.43	-2.04
804	Shell-Thick	SLE-RARA	3.5806	-2.3028	18.27	-2.04
804	Shell-Thick	SLE-RARA	0.8281	-3.3673	18.27	-1.75
804	Shell-Thick	SLE-RARA	1.2145	-3.1980	18.43	-1.75
804	Shell-Thick	SLE-FREQ.	3.4442	-2.0475	16.95	-2.35
804	Shell-Thick	SLE-FREQ.	3.0780	-2.2436	16.82	-2.35
804	Shell-Thick	SLE-FREQ.	0.5444	-3.2303	16.82	-2.12
804	Shell-Thick	SLE-FREQ.	0.9110	-3.0379	16.95	-2.12
804	Shell-Thick	SLE-QP	1.8716	-1.7621	12.51	-3.28
804	Shell-Thick	SLE-QP	1.5703	-2.0663	12.47	-3.28
804	Shell-Thick	SLE-QP	-0.3069	-2.8190	12.47	-3.22
804	Shell-Thick	SLE-QP	6.960E-04	-2.5576	12.51	-3.22
805	Shell-Thick	SLU-STATICA	5.0488	-2.7850	24.97	-1.30
805	Shell-Thick	SLU-STATICA	4.4951	-2.9079	24.65	-1.30
805	Shell-Thick	SLU-STATICA	0.7677	-4.6977	24.65	-0.73
805	Shell-Thick	SLU-STATICA	1.3314	-4.6438	24.97	-0.73
805	Shell-Thick	SLU-SISMICA	10.0266	-3.0136	37.14	3.48
805	Shell-Thick	SLU-SISMICA	9.2989	-2.6422	36.42	3.48
805	Shell-Thick	SLU-SISMICA	3.7827	-5.2250	36.42	4.72
805	Shell-Thick	SLU-SISMICA	4.5058	-5.5675	37.14	4.72
805	Shell-Thick	SLE-RARA	3.5777	-2.0989	18.32	-1.22
805	Shell-Thick	SLE-RARA	3.1668	-2.2167	18.09	-1.22
805	Shell-Thick	SLE-RARA	0.4315	-3.5334	18.09	-0.83
805	Shell-Thick	SLE-RARA	0.8507	-3.4728	18.32	-0.83
805	Shell-Thick	SLE-FREQ.	3.0804	-2.0284	16.87	-1.59
805	Shell-Thick	SLE-FREQ.	2.6939	-2.1839	16.67	-1.59
805	Shell-Thick	SLE-FREQ.	0.1731	-3.4029	16.67	-1.26

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805	Shell-Thick	SLE-FREQ.	0.5688	-3.3112	16.87	-1.26
805	Shell-Thick	SLE-QP	1.5885	-1.8167	12.51	-2.67
805	Shell-Thick	SLE-QP	1.2753	-2.0854	12.43	-2.67
805	Shell-Thick	SLE-QP	-0.6021	-3.0116	12.43	-2.54
805	Shell-Thick	SLE-QP	-0.2767	-2.8266	12.51	-2.54
806	Shell-Thick	SLU-STATICA	4.4606	-3.1204	24.64	-6.332E-02
806	Shell-Thick	SLU-STATICA	3.9982	-3.1096	24.22	-6.332E-02
806	Shell-Thick	SLU-STATICA	0.3307	-4.4698	24.22	0.66
806	Shell-Thick	SLU-STATICA	0.7972	-4.5106	24.64	0.66
806	Shell-Thick	SLU-SISMICA	9.1908	-3.3098	36.39	5.10
806	Shell-Thick	SLU-SISMICA	8.5862	-2.7561	35.55	5.10
806	Shell-Thick	SLU-SISMICA	3.1960	-4.6180	35.55	6.55
806	Shell-Thick	SLU-SISMICA	3.7866	-5.0785	36.39	6.55
806	Shell-Thick	SLE-RARA	3.1443	-2.3550	18.08	-0.31
806	Shell-Thick	SLE-RARA	2.8010	-2.3739	17.79	-0.31
806	Shell-Thick	SLE-RARA	0.1079	-3.3795	17.79	0.20
806	Shell-Thick	SLE-RARA	0.4552	-3.3895	18.08	0.20
806	Shell-Thick	SLE-FREQ.	2.6780	-2.2814	16.67	-0.72
806	Shell-Thick	SLE-FREQ.	2.3549	-2.3444	16.42	-0.72
806	Shell-Thick	SLE-FREQ.	-0.1303	-3.2840	16.42	-0.29
806	Shell-Thick	SLE-FREQ.	0.1983	-3.2593	16.67	-0.29
806	Shell-Thick	SLE-QP	1.2792	-2.0605	12.44	-1.97
806	Shell-Thick	SLE-QP	1.0166	-2.2560	12.31	-1.97
806	Shell-Thick	SLE-QP	-0.8447	-2.9975	12.31	-1.76
806	Shell-Thick	SLE-QP	-0.5724	-2.8685	12.44	-1.76
807	Shell-Thick	SLU-STATICA	3.9462	-3.0127	24.31	1.30
807	Shell-Thick	SLU-STATICA	3.4892	-2.9093	23.79	1.30
807	Shell-Thick	SLU-STATICA	-0.1261	-4.5569	23.79	2.19
807	Shell-Thick	SLU-STATICA	0.3448	-4.7566	24.31	2.19
807	Shell-Thick	SLU-SISMICA	8.4569	-2.9067	35.67	6.84
807	Shell-Thick	SLU-SISMICA	7.8433	-2.2472	34.70	6.84
807	Shell-Thick	SLU-SISMICA	2.5637	-4.5224	34.70	8.51
807	Shell-Thick	SLU-SISMICA	3.1792	-5.1980	35.67	8.51
807	Shell-Thick	SLE-RARA	2.7654	-2.2881	17.85	0.71
807	Shell-Thick	SLE-RARA	2.4269	-2.2374	17.48	0.71
807	Shell-Thick	SLE-RARA	-0.2295	-3.4546	17.48	1.34
807	Shell-Thick	SLE-RARA	0.1201	-3.5823	17.85	1.34
807	Shell-Thick	SLE-FREQ.	2.3265	-2.2404	16.48	0.24
807	Shell-Thick	SLE-FREQ.	2.0093	-2.2367	16.16	0.24
807	Shell-Thick	SLE-FREQ.	-0.4449	-3.3723	16.16	0.79
807	Shell-Thick	SLE-FREQ.	-0.1158	-3.4577	16.48	0.79
807	Shell-Thick	SLE-QP	1.0099	-2.0973	12.36	-1.18
807	Shell-Thick	SLE-QP	0.7562	-2.2344	12.18	-1.18
807	Shell-Thick	SLE-QP	-1.0911	-3.1253	12.18	-0.87
807	Shell-Thick	SLE-QP	-0.8235	-3.0839	12.36	-0.87
808	Shell-Thick	SLU-STATICA	3.4085	-3.2510	23.81	2.81
808	Shell-Thick	SLU-STATICA	3.0300	-3.0049	23.19	2.81
808	Shell-Thick	SLU-STATICA	-0.5023	-4.2091	23.19	3.87
808	Shell-Thick	SLU-STATICA	-0.1111	-4.5441	23.81	3.87
808	Shell-Thick	SLU-SISMICA	7.6760	-3.0572	34.70	8.71
808	Shell-Thick	SLU-SISMICA	7.1603	-2.2180	33.60	8.71
808	Shell-Thick	SLU-SISMICA	2.0361	-3.7672	33.60	10.61
808	Shell-Thick	SLU-SISMICA	2.5517	-4.6088	34.70	10.61
808	Shell-Thick	SLE-RARA	2.3701	-2.4731	17.50	1.83
808	Shell-Thick	SLE-RARA	2.0902	-2.3161	17.05	1.83
808	Shell-Thick	SLE-RARA	-0.5071	-3.2114	17.05	2.60
808	Shell-Thick	SLE-RARA	-0.2169	-3.4400	17.50	2.60
808	Shell-Thick	SLE-FREQ.	1.9609	-2.4280	16.17	1.30
808	Shell-Thick	SLE-FREQ.	1.6992	-2.3237	15.78	1.30
808	Shell-Thick	SLE-FREQ.	-0.7032	-3.1685	15.78	1.98
808	Shell-Thick	SLE-FREQ.	-0.4304	-3.3498	16.17	1.98
808	Shell-Thick	SLE-QP	0.7335	-2.2929	12.19	-0.29
808	Shell-Thick	SLE-QP	0.5263	-2.3464	11.95	-0.29
808	Shell-Thick	SLE-QP	-1.2915	-3.0399	11.95	0.13
808	Shell-Thick	SLE-QP	-1.0708	-3.0795	12.19	0.13
809	Shell-Thick	SLU-STATICA	2.9298	-3.0668	23.30	4.46
809	Shell-Thick	SLU-STATICA	2.5897	-2.6907	22.57	4.46
809	Shell-Thick	SLU-STATICA	-0.8608	-4.1347	22.57	5.72
809	Shell-Thick	SLU-STATICA	-0.5015	-4.6441	23.30	5.72



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809	Shell-Thick	SLU-SISMICA	6.9702	-2.5600	33.74	10.71
809	Shell-Thick	SLU-SISMICA	6.4886	-1.5734	32.50	10.71
809	Shell-Thick	SLU-SISMICA	1.5135	-3.4623	32.50	12.86
809	Shell-Thick	SLU-SISMICA	2.0060	-4.5266	33.74	12.86
809	Shell-Thick	SLE-RARA	2.0187	-2.3490	17.13	3.07
809	Shell-Thick	SLE-RARA	1.7680	-2.0945	16.61	3.07
809	Shell-Thick	SLE-RARA	-0.7706	-3.1665	16.61	3.98
809	Shell-Thick	SLE-RARA	-0.5049	-3.5249	17.13	3.98
809	Shell-Thick	SLE-FREQ.	1.6369	-2.3328	15.85	2.48
809	Shell-Thick	SLE-FREQ.	1.4040	-2.1347	15.38	2.48
809	Shell-Thick	SLE-FREQ.	-0.9467	-3.1437	15.38	3.29
809	Shell-Thick	SLE-FREQ.	-0.6985	-3.4476	15.85	3.29
809	Shell-Thick	SLE-QP	0.4914	-2.2840	12.01	0.71
809	Shell-Thick	SLE-QP	0.3120	-2.2552	11.70	0.71
809	Shell-Thick	SLE-QP	-1.4751	-3.0752	11.70	1.24
809	Shell-Thick	SLE-QP	-1.2794	-3.2159	12.01	1.24
810	Shell-Thick	SLU-STATICA	2.4588	-3.1793	22.61	6.28
810	Shell-Thick	SLU-STATICA	2.1943	-2.6484	21.77	6.28
810	Shell-Thick	SLU-STATICA	-1.1465	-3.6054	21.77	7.73
810	Shell-Thick	SLU-STATICA	-0.8594	-4.2933	22.61	7.73
810	Shell-Thick	SLU-SISMICA	6.2589	-2.5426	32.54	12.87
810	Shell-Thick	SLU-SISMICA	5.8647	-1.3745	31.16	12.87
810	Shell-Thick	SLU-SISMICA	1.0780	-2.4894	31.16	15.27
810	Shell-Thick	SLU-SISMICA	1.4880	-3.7695	32.54	15.27
810	Shell-Thick	SLE-RARA	1.6738	-2.4408	16.64	4.43
810	Shell-Thick	SLE-RARA	1.4798	-2.0702	16.03	4.43
810	Shell-Thick	SLE-RARA	-0.9796	-2.7875	16.03	5.48
810	Shell-Thick	SLE-RARA	-0.7681	-3.2793	16.64	5.48
810	Shell-Thick	SLE-FREQ.	1.3202	-2.4330	15.41	3.78
810	Shell-Thick	SLE-FREQ.	1.1417	-2.1239	14.86	3.78
810	Shell-Thick	SLE-FREQ.	-1.1382	-2.8105	14.86	4.73
810	Shell-Thick	SLE-FREQ.	-0.9421	-3.2414	15.41	4.73
810	Shell-Thick	SLE-QP	0.2595	-2.4094	11.73	1.82
810	Shell-Thick	SLE-QP	0.1273	-2.2848	11.36	1.82
810	Shell-Thick	SLE-QP	-1.6142	-2.8794	11.36	2.47
810	Shell-Thick	SLE-QP	-1.4640	-3.1280	11.73	2.47
811	Shell-Thick	SLU-STATICA	2.0421	-2.8627	21.90	8.26
811	Shell-Thick	SLU-STATICA	1.8462	-2.1620	20.94	8.26
811	Shell-Thick	SLU-STATICA	-1.3805	-3.3293	20.94	9.93
811	Shell-Thick	SLU-STATICA	-1.1584	-4.2112	21.90	9.93
811	Shell-Thick	SLU-SISMICA	5.6106	-1.8876	31.33	15.19
811	Shell-Thick	SLU-SISMICA	5.2893	-0.5287	29.80	15.19
811	Shell-Thick	SLU-SISMICA	0.6921	-1.9440	29.80	17.85
811	Shell-Thick	SLU-SISMICA	1.0355	-3.4590	31.33	17.85
811	Shell-Thick	SLE-RARA	1.3696	-2.2178	16.12	5.92
811	Shell-Thick	SLE-RARA	1.2274	-1.7196	15.42	5.92
811	Shell-Thick	SLE-RARA	-1.1493	-2.5918	15.42	7.13
811	Shell-Thick	SLE-RARA	-0.9871	-3.2284	16.12	7.13
811	Shell-Thick	SLE-FREQ.	1.0426	-2.2432	14.95	5.20
811	Shell-Thick	SLE-FREQ.	0.9141	-1.8114	14.31	5.20
811	Shell-Thick	SLE-FREQ.	-1.2913	-2.6417	14.31	6.30
811	Shell-Thick	SLE-FREQ.	-1.1430	-3.2106	14.95	6.30
811	Shell-Thick	SLE-QP	0.0615	-2.3196	11.43	3.06
811	Shell-Thick	SLE-QP	-0.0255	-2.0870	10.99	3.06
811	Shell-Thick	SLE-QP	-1.7173	-2.7916	10.99	3.82
811	Shell-Thick	SLE-QP	-1.6109	-3.1573	11.43	3.82
812	Shell-Thick	SLU-STATICA	1.6614	-2.8164	21.00	10.43
812	Shell-Thick	SLU-STATICA	1.5417	-1.9454	19.91	10.43
812	Shell-Thick	SLU-STATICA	-1.5449	-2.5437	19.91	12.31
812	Shell-Thick	SLU-STATICA	-1.3911	-3.6514	21.00	12.31
812	Shell-Thick	SLU-SISMICA	4.9937	-1.6787	29.88	17.68
812	Shell-Thick	SLU-SISMICA	4.7549	-0.1332	28.18	17.68
812	Shell-Thick	SLU-SISMICA	0.3819	-0.6720	28.18	20.60
812	Shell-Thick	SLU-SISMICA	0.6551	-2.4567	29.88	20.60
812	Shell-Thick	SLE-RARA	1.0929	-2.1907	15.47	7.54
812	Shell-Thick	SLE-RARA	1.0082	-1.5644	14.68	7.54
812	Shell-Thick	SLE-RARA	-1.2666	-2.0207	14.68	8.92
812	Shell-Thick	SLE-RARA	-1.1560	-2.8263	15.47	8.92
812	Shell-Thick	SLE-FREQ.	0.7921	-2.2302	14.36	6.76



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812	Shell-Thick	SLE-FREQ.	0.7192	-1.6747	13.64	6.76
812	Shell-Thick	SLE-FREQ.	-1.3938	-2.1247	13.64	8.02
812	Shell-Thick	SLE-FREQ.	-1.2956	-2.8548	14.36	8.02
812	Shell-Thick	SLE-QP	-0.1103	-2.3487	11.03	4.42
812	Shell-Thick	SLE-QP	-0.1475	-2.0058	10.51	4.42
812	Shell-Thick	SLE-QP	-1.7751	-2.4367	10.51	5.31
812	Shell-Thick	SLE-QP	-1.7146	-2.9404	11.03	5.31
813	Shell-Thick	SLU-STATICA	1.3347	-2.2994	20.08	12.80
813	Shell-Thick	SLU-STATICA	1.3165	-1.2146	18.86	12.80
813	Shell-Thick	SLU-STATICA	-1.6217	-2.0200	18.86	14.90
813	Shell-Thick	SLU-STATICA	-1.5689	-3.3448	20.08	14.90
813	Shell-Thick	SLU-SISMICA	4.4337	-0.7923	28.41	20.36
813	Shell-Thick	SLU-SISMICA	4.3111	0.9919	26.56	20.36
813	Shell-Thick	SLU-SISMICA	0.1692	0.1457	26.56	23.55
813	Shell-Thick	SLU-SISMICA	0.3278	-1.8894	28.41	23.55
813	Shell-Thick	SLE-RARA	0.8569	-1.8175	14.80	9.32
813	Shell-Thick	SLE-RARA	0.8483	-1.0303	13.91	9.32
813	Shell-Thick	SLE-RARA	-1.3180	-1.6385	13.91	10.86
813	Shell-Thick	SLE-RARA	-1.2833	-2.6070	14.80	10.86
813	Shell-Thick	SLE-FREQ.	0.5811	-1.8965	13.75	8.47
813	Shell-Thick	SLE-FREQ.	0.5813	-1.1862	12.93	8.47
813	Shell-Thick	SLE-FREQ.	-1.4327	-1.7761	12.93	9.88
813	Shell-Thick	SLE-FREQ.	-1.4075	-2.6623	13.75	9.88
813	Shell-Thick	SLE-QP	-0.2463	-2.1337	10.60	5.92
813	Shell-Thick	SLE-QP	-0.2198	-1.6541	10.00	5.92
813	Shell-Thick	SLE-QP	-1.7768	-2.1889	10.00	6.95
813	Shell-Thick	SLE-QP	-1.7802	-2.8283	10.60	6.95
814	Shell-Thick	SLU-STATICA	1.0755	-2.0498	18.95	15.37
814	Shell-Thick	SLU-STATICA	1.1292	-0.7767	17.60	15.37
814	Shell-Thick	SLU-STATICA	-1.6365	-0.8884	17.60	17.71
814	Shell-Thick	SLU-STATICA	-1.6423	-2.4925	18.95	17.71
814	Shell-Thick	SLU-SISMICA	3.9469	-0.3608	26.68	23.23
814	Shell-Thick	SLU-SISMICA	3.8949	1.6173	24.67	23.23
814	Shell-Thick	SLU-SISMICA	0.0150	1.8100	24.67	26.70
814	Shell-Thick	SLU-SISMICA	0.1227	-0.5551	26.68	26.70
814	Shell-Thick	SLE-RARA	0.6719	-1.6374	13.97	11.25
814	Shell-Thick	SLE-RARA	0.7178	-0.7078	12.98	11.25
814	Shell-Thick	SLE-RARA	-1.3223	-0.8076	12.98	12.97
814	Shell-Thick	SLE-RARA	-1.3323	-1.9851	13.97	12.97
814	Shell-Thick	SLE-FREQ.	0.4194	-1.7358	12.99	10.33
814	Shell-Thick	SLE-FREQ.	0.4729	-0.8871	12.08	10.33
814	Shell-Thick	SLE-FREQ.	-1.4254	-1.0094	12.08	11.91
814	Shell-Thick	SLE-FREQ.	-1.4445	-2.0954	12.99	11.91
814	Shell-Thick	SLE-QP	-0.3382	-2.0311	10.06	7.56
814	Shell-Thick	SLE-QP	-0.2621	-1.4250	9.38	7.56
814	Shell-Thick	SLE-QP	-1.7348	-1.6149	9.38	8.73
814	Shell-Thick	SLE-QP	-1.7812	-2.4262	10.06	8.73
815	Shell-Thick	SLU-STATICA	0.8880	-1.1664	17.79	18.00
815	Shell-Thick	SLU-STATICA	1.0528	0.1295	16.51	18.00
815	Shell-Thick	SLU-STATICA	-1.5309	-0.2492	16.51	20.53
815	Shell-Thick	SLU-STATICA	-1.6744	-1.8944	17.79	20.53
815	Shell-Thick	SLU-SISMICA	3.5358	0.9618	24.94	26.14
815	Shell-Thick	SLU-SISMICA	3.6360	2.8960	23.07	26.14
815	Shell-Thick	SLU-SISMICA	0.0225	2.6669	23.07	29.84
815	Shell-Thick	SLU-SISMICA	-0.0532	0.3288	24.94	29.84
815	Shell-Thick	SLE-RARA	0.5410	-0.9899	13.13	13.24
815	Shell-Thick	SLE-RARA	0.6691	-0.0397	12.18	13.24
815	Shell-Thick	SLE-RARA	-1.2374	-0.3341	12.18	15.10
815	Shell-Thick	SLE-RARA	-1.3495	-1.5462	13.13	15.10
815	Shell-Thick	SLE-FREQ.	0.3100	-1.1404	12.21	12.24
815	Shell-Thick	SLE-FREQ.	0.4403	-0.2661	11.34	12.24
815	Shell-Thick	SLE-FREQ.	-1.3346	-0.5655	11.34	13.96
815	Shell-Thick	SLE-FREQ.	-1.4495	-1.6908	12.21	13.96
815	Shell-Thick	SLE-QP	-0.3828	-1.5919	9.48	9.25
815	Shell-Thick	SLE-QP	-0.2461	-0.9452	8.82	9.25
815	Shell-Thick	SLE-QP	-1.6260	-1.2598	8.82	10.55
815	Shell-Thick	SLE-QP	-1.7494	-2.1246	9.48	10.55
816	Shell-Thick	SLU-STATICA	14.7854	-2.8904	22.54	-12.76
816	Shell-Thick	SLU-STATICA	14.1109	-3.7179	22.25	-12.76

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816	Shell-Thick	SLU-STATICA	10.7891	-4.9703	22.25	-12.26
816	Shell-Thick	SLU-STATICA	11.3872	-3.6218	22.54	-12.26
816	Shell-Thick	SLU-SISMICA	23.7723	-6.0355	35.00	-18.81
816	Shell-Thick	SLU-SISMICA	22.7356	-7.1952	34.83	-18.81
816	Shell-Thick	SLU-SISMICA	17.5643	-9.0786	34.83	-18.51
816	Shell-Thick	SLU-SISMICA	18.4653	-6.9923	35.00	-18.51
816	Shell-Thick	SLE-RARA	10.7557	-2.0335	16.46	-9.36
816	Shell-Thick	SLE-RARA	10.2627	-2.6440	16.23	-9.36
816	Shell-Thick	SLE-RARA	7.8378	-3.5615	16.23	-8.98
816	Shell-Thick	SLE-RARA	8.2759	-2.5764	16.46	-8.98
816	Shell-Thick	SLE-FREQ.	9.7519	-1.7249	15.03	-8.64
816	Shell-Thick	SLE-FREQ.	9.3008	-2.2930	14.80	-8.64
816	Shell-Thick	SLE-FREQ.	7.0877	-3.1360	14.80	-8.24
816	Shell-Thick	SLE-FREQ.	7.4901	-2.2359	15.03	-8.24
816	Shell-Thick	SLE-QP	6.7407	-0.7991	10.73	-6.45
816	Shell-Thick	SLE-QP	6.4154	-1.2401	10.50	-6.45
816	Shell-Thick	SLE-QP	4.8376	-1.8597	10.50	-6.04
816	Shell-Thick	SLE-QP	5.1329	-1.2144	10.73	-6.04
817	Shell-Thick	SLU-STATICA	14.3477	-2.2849	22.30	-12.31
817	Shell-Thick	SLU-STATICA	12.9334	-3.3557	22.36	-12.31
817	Shell-Thick	SLU-STATICA	9.5833	-5.2612	22.36	-12.41
817	Shell-Thick	SLU-STATICA	10.9965	-4.1824	22.30	-12.41
817	Shell-Thick	SLU-SISMICA	23.1104	-4.9111	34.92	-17.48
817	Shell-Thick	SLU-SISMICA	20.8157	-6.4347	35.22	-17.48
817	Shell-Thick	SLU-SISMICA	15.5571	-9.6419	35.22	-18.00
817	Shell-Thick	SLU-SISMICA	17.8462	-8.0795	34.92	-18.00
817	Shell-Thick	SLE-RARA	10.4352	-1.6005	16.27	-9.07
817	Shell-Thick	SLE-RARA	9.4074	-2.3894	16.30	-9.07
817	Shell-Thick	SLE-RARA	6.9640	-3.7684	16.30	-9.12
817	Shell-Thick	SLE-RARA	7.9912	-2.9750	16.27	-9.12
817	Shell-Thick	SLE-FREQ.	9.4578	-1.3452	14.83	-8.42
817	Shell-Thick	SLE-FREQ.	8.5277	-2.0774	14.84	-8.42
817	Shell-Thick	SLE-FREQ.	6.3014	-3.3155	14.84	-8.44
817	Shell-Thick	SLE-FREQ.	7.2313	-2.5814	14.83	-8.44
817	Shell-Thick	SLE-QP	6.5256	-0.5793	10.52	-6.47
817	Shell-Thick	SLE-QP	5.8885	-1.1416	10.47	-6.47
817	Shell-Thick	SLE-QP	4.3134	-1.9567	10.47	-6.38
817	Shell-Thick	SLE-QP	4.9514	-1.4005	10.52	-6.38
818	Shell-Thick	SLU-STATICA	13.1686	-2.7588	22.22	-11.92
818	Shell-Thick	SLU-STATICA	12.5075	-3.5724	22.23	-11.92
818	Shell-Thick	SLU-STATICA	9.2057	-4.8517	22.23	-11.92
818	Shell-Thick	SLU-STATICA	9.8014	-3.5912	22.22	-11.92
818	Shell-Thick	SLU-SISMICA	21.1760	-5.7876	34.94	-16.26
818	Shell-Thick	SLU-SISMICA	20.2055	-6.8103	35.13	-16.26
818	Shell-Thick	SLU-SISMICA	15.0085	-8.8067	35.13	-16.58
818	Shell-Thick	SLU-SISMICA	15.8602	-6.9723	34.94	-16.58
818	Shell-Thick	SLE-RARA	9.5794	-1.9396	16.20	-8.81
818	Shell-Thick	SLE-RARA	9.0939	-2.5456	16.20	-8.81
818	Shell-Thick	SLE-RARA	6.6864	-3.4793	16.20	-8.80
818	Shell-Thick	SLE-RARA	7.1250	-2.5528	16.20	-8.80
818	Shell-Thick	SLE-FREQ.	8.6852	-1.6428	14.76	-8.24
818	Shell-Thick	SLE-FREQ.	8.2370	-2.2168	14.74	-8.24
818	Shell-Thick	SLE-FREQ.	6.0447	-3.0685	14.74	-8.20
818	Shell-Thick	SLE-FREQ.	6.4515	-2.2120	14.76	-8.20
818	Shell-Thick	SLE-QP	6.0025	-0.7526	10.43	-6.52
818	Shell-Thick	SLE-QP	5.6665	-1.2302	10.36	-6.52
818	Shell-Thick	SLE-QP	4.1194	-1.8360	10.36	-6.40
818	Shell-Thick	SLE-QP	4.4307	-1.1895	10.43	-6.40
819	Shell-Thick	SLU-STATICA	12.7383	-2.2133	22.27	-11.57
819	Shell-Thick	SLU-STATICA	11.4657	-3.2254	22.33	-11.57
819	Shell-Thick	SLU-STATICA	8.1198	-5.1309	22.33	-11.67
819	Shell-Thick	SLU-STATICA	9.3928	-4.1212	22.27	-11.67
819	Shell-Thick	SLU-SISMICA	20.5523	-4.7350	35.20	-15.17
819	Shell-Thick	SLU-SISMICA	18.5723	-6.0493	35.42	-15.17
819	Shell-Thick	SLU-SISMICA	13.2776	-9.2943	35.42	-15.56
819	Shell-Thick	SLU-SISMICA	15.2511	-7.9353	35.20	-15.56
819	Shell-Thick	SLE-RARA	9.2630	-1.5515	16.23	-8.59
819	Shell-Thick	SLE-RARA	8.3339	-2.3033	16.27	-8.59
819	Shell-Thick	SLE-RARA	5.8957	-3.6805	16.27	-8.65

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819	Shell-Thick	SLE-RARA	6.8254	-2.9328	16.23	-8.65
819	Shell-Thick	SLE-FREQ.	8.3925	-1.3060	14.77	-8.08
819	Shell-Thick	SLE-FREQ.	7.5444	-2.0144	14.79	-8.08
819	Shell-Thick	SLE-FREQ.	5.3264	-3.2476	14.79	-8.12
819	Shell-Thick	SLE-FREQ.	6.1757	-2.5470	14.77	-8.12
819	Shell-Thick	SLE-QP	5.7808	-0.5695	10.38	-6.56
819	Shell-Thick	SLE-QP	5.1758	-1.1478	10.36	-6.56
819	Shell-Thick	SLE-QP	3.6187	-1.9489	10.36	-6.52
819	Shell-Thick	SLE-QP	4.2265	-1.3897	10.38	-6.52
820	Shell-Thick	SLU-STATICA	11.6803	-2.6948	22.20	-11.16
820	Shell-Thick	SLU-STATICA	11.0365	-3.4806	22.27	-11.16
820	Shell-Thick	SLU-STATICA	7.7285	-4.7683	22.27	-11.27
820	Shell-Thick	SLU-STATICA	8.3168	-3.6028	22.20	-11.27
820	Shell-Thick	SLU-SISMICA	18.8833	-5.5620	35.17	-14.01
820	Shell-Thick	SLU-SISMICA	17.9801	-6.4417	35.37	-14.01
820	Shell-Thick	SLU-SISMICA	12.7398	-8.5053	35.37	-14.36
820	Shell-Thick	SLU-SISMICA	13.5394	-6.9176	35.17	-14.36
820	Shell-Thick	SLE-RARA	8.4917	-1.8991	16.17	-8.31
820	Shell-Thick	SLE-RARA	8.0168	-2.4898	16.22	-8.31
820	Shell-Thick	SLE-RARA	5.6065	-3.4269	16.22	-8.39
820	Shell-Thick	SLE-RARA	6.0417	-2.5649	16.17	-8.39
820	Shell-Thick	SLE-FREQ.	7.6904	-1.6166	14.71	-7.87
820	Shell-Thick	SLE-FREQ.	7.2485	-2.1851	14.74	-7.87
820	Shell-Thick	SLE-FREQ.	5.0564	-3.0353	14.74	-7.93
820	Shell-Thick	SLE-FREQ.	5.4636	-2.2292	14.71	-7.93
820	Shell-Thick	SLE-QP	5.2865	-0.7693	10.32	-6.56
820	Shell-Thick	SLE-QP	4.9436	-1.2709	10.31	-6.56
820	Shell-Thick	SLE-QP	3.4062	-1.8605	10.31	-6.55
820	Shell-Thick	SLE-QP	3.7291	-1.2223	10.32	-6.55
821	Shell-Thick	SLU-STATICA	11.2476	-2.2258	22.31	-10.79
821	Shell-Thick	SLU-STATICA	10.1006	-3.1755	22.39	-10.79
821	Shell-Thick	SLU-STATICA	6.7464	-5.0784	22.39	-10.94
821	Shell-Thick	SLU-STATICA	7.8946	-4.1372	22.31	-10.94
821	Shell-Thick	SLU-SISMICA	18.2800	-4.6183	35.44	-12.97
821	Shell-Thick	SLU-SISMICA	16.5689	-5.7340	35.64	-12.97
821	Shell-Thick	SLU-SISMICA	11.2407	-8.9790	35.64	-13.31
821	Shell-Thick	SLU-SISMICA	12.9439	-7.8085	35.44	-13.31
821	Shell-Thick	SLE-RARA	8.1723	-1.5674	16.25	-8.07
821	Shell-Thick	SLE-RARA	7.3314	-2.2787	16.31	-8.07
821	Shell-Thick	SLE-RARA	4.8881	-3.6538	16.31	-8.17
821	Shell-Thick	SLE-RARA	5.7305	-2.9520	16.25	-8.17
821	Shell-Thick	SLE-FREQ.	7.3929	-1.3321	14.77	-7.69
821	Shell-Thick	SLE-FREQ.	6.6190	-2.0123	14.82	-7.69
821	Shell-Thick	SLE-FREQ.	4.3982	-3.2431	14.82	-7.78
821	Shell-Thick	SLE-FREQ.	5.1742	-2.5775	14.77	-7.78
821	Shell-Thick	SLE-QP	5.0546	-0.6263	10.33	-6.56
821	Shell-Thick	SLE-QP	4.4820	-1.2129	10.35	-6.56
821	Shell-Thick	SLE-QP	2.9286	-2.0112	10.35	-6.59
821	Shell-Thick	SLE-QP	3.5055	-1.4540	10.33	-6.59
822	Shell-Thick	SLU-STATICA	10.2924	-2.7214	22.27	-10.36
822	Shell-Thick	SLU-STATICA	9.6681	-3.4698	22.36	-10.36
822	Shell-Thick	SLU-STATICA	6.3429	-4.7695	22.36	-10.51
822	Shell-Thick	SLU-STATICA	6.9206	-3.7029	22.27	-10.51
822	Shell-Thick	SLU-SISMICA	16.8297	-5.4052	35.40	-11.86
822	Shell-Thick	SLU-SISMICA	15.9905	-6.1418	35.57	-11.86
822	Shell-Thick	SLU-SISMICA	10.7110	-8.2563	35.57	-12.14
822	Shell-Thick	SLU-SISMICA	11.4603	-6.9054	35.40	-12.14
822	Shell-Thick	SLE-RARA	7.4732	-1.9284	16.22	-7.77
822	Shell-Thick	SLE-RARA	7.0109	-2.4961	16.29	-7.77
822	Shell-Thick	SLE-RARA	4.5886	-3.4403	16.29	-7.88
822	Shell-Thick	SLE-RARA	5.0178	-2.6462	16.22	-7.88
822	Shell-Thick	SLE-FREQ.	6.7517	-1.6603	14.74	-7.46
822	Shell-Thick	SLE-FREQ.	6.3185	-2.2150	14.80	-7.46
822	Shell-Thick	SLE-FREQ.	4.1165	-3.0690	14.80	-7.55
822	Shell-Thick	SLE-FREQ.	4.5210	-2.3178	14.74	-7.55
822	Shell-Thick	SLE-QP	4.5872	-0.8560	10.31	-6.51
822	Shell-Thick	SLE-QP	4.2412	-1.3716	10.34	-6.51
822	Shell-Thick	SLE-QP	2.7002	-1.9549	10.34	-6.57
822	Shell-Thick	SLE-QP	3.0306	-1.3325	10.31	-6.57

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823	Shell-Thick	SLU-STATICA	9.8548	-2.3366	22.40	-9.95
823	Shell-Thick	SLU-STATICA	8.8200	-3.2153	22.49	-9.95
823	Shell-Thick	SLU-STATICA	5.4508	-5.1126	22.49	-10.11
823	Shell-Thick	SLU-STATICA	6.4875	-4.2466	22.40	-10.11
823	Shell-Thick	SLU-SISMICA	16.2393	-4.5863	35.63	-10.83
823	Shell-Thick	SLU-SISMICA	14.7566	-5.5065	35.77	-10.83
823	Shell-Thick	SLU-SISMICA	9.4044	-8.7202	35.77	-11.07
823	Shell-Thick	SLU-SISMICA	10.8775	-7.7350	35.63	-11.07
823	Shell-Thick	SLE-RARA	7.1492	-1.6585	16.32	-7.50
823	Shell-Thick	SLE-RARA	6.3875	-2.3222	16.38	-7.50
823	Shell-Thick	SLE-RARA	3.9333	-3.6943	16.38	-7.61
823	Shell-Thick	SLE-RARA	4.6971	-3.0440	16.32	-7.61
823	Shell-Thick	SLE-FREQ.	6.4483	-1.4327	14.83	-7.24
823	Shell-Thick	SLE-FREQ.	5.7421	-2.0767	14.89	-7.24
823	Shell-Thick	SLE-FREQ.	3.5114	-3.3067	14.89	-7.34
823	Shell-Thick	SLE-FREQ.	4.2205	-2.6823	14.83	-7.34
823	Shell-Thick	SLE-QP	4.3454	-0.7554	10.36	-6.47
823	Shell-Thick	SLE-QP	3.8060	-1.3400	10.40	-6.47
823	Shell-Thick	SLE-QP	2.2458	-2.1440	10.40	-6.54
823	Shell-Thick	SLE-QP	2.7907	-1.5970	10.36	-6.54
824	Shell-Thick	SLU-STATICA	8.9860	-2.8437	22.39	-9.47
824	Shell-Thick	SLU-STATICA	8.3815	-3.5425	22.47	-9.47
824	Shell-Thick	SLU-STATICA	5.0358	-4.8585	22.47	-9.60
824	Shell-Thick	SLU-STATICA	5.6021	-3.8983	22.39	-9.60
824	Shell-Thick	SLU-SISMICA	14.9659	-5.3310	35.56	-9.73
824	Shell-Thick	SLU-SISMICA	14.1836	-5.9202	35.66	-9.73
824	Shell-Thick	SLU-SISMICA	8.8788	-8.0694	35.66	-9.89
824	Shell-Thick	SLU-SISMICA	9.5839	-6.9520	35.56	-9.89
824	Shell-Thick	SLE-RARA	6.5111	-2.0309	16.31	-7.16
824	Shell-Thick	SLE-RARA	6.0619	-2.5658	16.37	-7.16
824	Shell-Thick	SLE-RARA	3.6244	-3.5215	16.37	-7.26
824	Shell-Thick	SLE-RARA	4.0465	-2.8017	16.31	-7.26
824	Shell-Thick	SLE-FREQ.	5.8591	-1.7764	14.82	-6.96
824	Shell-Thick	SLE-FREQ.	5.4356	-2.3071	14.88	-6.96
824	Shell-Thick	SLE-FREQ.	3.2192	-3.1708	14.88	-7.06
824	Shell-Thick	SLE-FREQ.	3.6195	-2.4817	14.82	-7.06
824	Shell-Thick	SLE-QP	3.9032	-1.0130	10.37	-6.37
824	Shell-Thick	SLE-QP	3.5567	-1.5311	10.41	-6.37
824	Shell-Thick	SLE-QP	2.0036	-2.1187	10.41	-6.45
824	Shell-Thick	SLE-QP	2.3385	-1.5216	10.37	-6.45
825	Shell-Thick	SLU-STATICA	8.5408	-2.5408	22.51	-8.99
825	Shell-Thick	SLU-STATICA	7.6083	-3.3365	22.58	-8.99
825	Shell-Thick	SLU-STATICA	4.2242	-5.2263	22.58	-9.11
825	Shell-Thick	SLU-STATICA	5.1591	-4.4472	22.51	-9.11
825	Shell-Thick	SLU-SISMICA	14.3797	-4.6329	35.73	-8.68
825	Shell-Thick	SLU-SISMICA	13.0933	-5.3557	35.78	-8.68
825	Shell-Thick	SLU-SISMICA	7.7344	-8.5147	35.78	-8.77
825	Shell-Thick	SLU-SISMICA	9.0102	-7.7193	35.73	-8.77
825	Shell-Thick	SLE-RARA	6.1808	-1.8210	16.40	-6.83
825	Shell-Thick	SLE-RARA	5.4918	-2.4276	16.45	-6.83
825	Shell-Thick	SLE-RARA	3.0260	-3.7964	16.45	-6.92
825	Shell-Thick	SLE-RARA	3.7174	-3.2067	16.40	-6.92
825	Shell-Thick	SLE-FREQ.	5.5485	-1.6042	14.91	-6.69
825	Shell-Thick	SLE-FREQ.	4.9057	-2.2018	14.96	-6.69
825	Shell-Thick	SLE-FREQ.	2.6629	-3.4325	14.96	-6.78
825	Shell-Thick	SLE-FREQ.	3.3093	-2.8588	14.91	-6.78
825	Shell-Thick	SLE-QP	3.6518	-0.9537	10.44	-6.26
825	Shell-Thick	SLE-QP	3.1471	-1.5244	10.49	-6.26
825	Shell-Thick	SLE-QP	1.5736	-2.3410	10.49	-6.35
825	Shell-Thick	SLE-QP	2.0848	-1.8148	10.44	-6.35
826	Shell-Thick	SLU-STATICA	7.7461	-3.0512	22.49	-8.44
826	Shell-Thick	SLU-STATICA	7.1621	-3.6851	22.54	-8.44
826	Shell-Thick	SLU-STATICA	3.7996	-5.0196	22.54	-8.52
826	Shell-Thick	SLU-STATICA	4.3532	-4.1780	22.49	-8.52
826	Shell-Thick	SLU-SISMICA	13.2506	-5.3268	35.60	-7.55
826	Shell-Thick	SLU-SISMICA	12.5185	-5.7600	35.60	-7.55
826	Shell-Thick	SLU-SISMICA	7.2102	-7.9254	35.60	-7.55
826	Shell-Thick	SLU-SISMICA	7.8768	-7.0452	35.60	-7.55
826	Shell-Thick	SLE-RARA	5.5952	-2.1987	16.39	-6.44

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826	Shell-Thick	SLE-RARA	5.1601	-2.6890	16.43	-6.44
826	Shell-Thick	SLE-RARA	2.7091	-3.6588	16.43	-6.51
826	Shell-Thick	SLE-RARA	3.1230	-3.0230	16.39	-6.51
826	Shell-Thick	SLE-FREQ.	5.0049	-1.9574	14.90	-6.35
826	Shell-Thick	SLE-FREQ.	4.5927	-2.4521	14.95	-6.35
826	Shell-Thick	SLE-FREQ.	2.3621	-3.3298	14.95	-6.43
826	Shell-Thick	SLE-FREQ.	2.7564	-2.7128	14.90	-6.43
826	Shell-Thick	SLE-QP	3.2339	-1.2338	10.46	-6.09
826	Shell-Thick	SLE-QP	2.8904	-1.7417	10.51	-6.09
826	Shell-Thick	SLE-QP	1.3208	-2.3427	10.51	-6.19
826	Shell-Thick	SLE-QP	1.6567	-1.7823	10.46	-6.19
827	Shell-Thick	SLU-STATICA	7.2917	-2.8215	22.59	-7.87
827	Shell-Thick	SLU-STATICA	6.4551	-3.5194	22.61	-7.87
827	Shell-Thick	SLU-STATICA	3.0627	-5.3972	22.61	-7.92
827	Shell-Thick	SLU-STATICA	3.9024	-4.7210	22.59	-7.92
827	Shell-Thick	SLU-SISMICA	12.6616	-4.7339	35.66	-6.45
827	Shell-Thick	SLU-SISMICA	11.5466	-5.2531	35.61	-6.45
827	Shell-Thick	SLU-SISMICA	6.2054	-8.3341	35.61	-6.35
827	Shell-Thick	SLU-SISMICA	7.3094	-7.7402	35.66	-6.35
827	Shell-Thick	SLE-RARA	5.2576	-2.0426	16.46	-6.04
827	Shell-Thick	SLE-RARA	4.6376	-2.5804	16.49	-6.04
827	Shell-Thick	SLE-RARA	2.1641	-3.9433	16.49	-6.08
827	Shell-Thick	SLE-RARA	2.7873	-3.4269	16.46	-6.08
827	Shell-Thick	SLE-FREQ.	4.6867	-1.8351	14.98	-6.01
827	Shell-Thick	SLE-FREQ.	4.1048	-2.3743	15.01	-6.01
827	Shell-Thick	SLE-FREQ.	1.8525	-3.6047	15.01	-6.06
827	Shell-Thick	SLE-FREQ.	2.4385	-3.0943	14.98	-6.06
827	Shell-Thick	SLE-QP	2.9739	-1.2125	10.54	-5.91
827	Shell-Thick	SLE-QP	2.5065	-1.7560	10.59	-5.91
827	Shell-Thick	SLE-QP	0.9176	-2.5890	10.59	-6.00
827	Shell-Thick	SLE-QP	1.3924	-2.0965	10.54	-6.00
828	Shell-Thick	SLU-STATICA	6.5625	-3.3230	22.53	-7.23
828	Shell-Thick	SLU-STATICA	6.0019	-3.8738	22.53	-7.23
828	Shell-Thick	SLU-STATICA	2.6325	-5.2247	22.53	-7.22
828	Shell-Thick	SLU-STATICA	3.1703	-4.5182	22.53	-7.22
828	Shell-Thick	SLU-SISMICA	11.6518	-5.3631	35.45	-5.26
828	Shell-Thick	SLU-SISMICA	10.9663	-5.6275	35.33	-5.26
828	Shell-Thick	SLU-SISMICA	5.6827	-7.7862	35.33	-5.05
828	Shell-Thick	SLU-SISMICA	6.3142	-7.1538	35.45	-5.05
828	Shell-Thick	SLE-RARA	4.7191	-2.4163	16.43	-5.57
828	Shell-Thick	SLE-RARA	4.3005	-2.8479	16.44	-5.57
828	Shell-Thick	SLE-RARA	1.8428	-3.8313	16.44	-5.58
828	Shell-Thick	SLE-RARA	2.2456	-3.2923	16.43	-5.58
828	Shell-Thick	SLE-FREQ.	4.1845	-2.1891	14.96	-5.60
828	Shell-Thick	SLE-FREQ.	3.7865	-2.6336	14.98	-5.60
828	Shell-Thick	SLE-FREQ.	1.5466	-3.5263	14.98	-5.62
828	Shell-Thick	SLE-FREQ.	1.9319	-2.9945	14.96	-5.62
828	Shell-Thick	SLE-QP	2.5807	-1.5074	10.56	-5.67
828	Shell-Thick	SLE-QP	2.2445	-1.9906	10.61	-5.67
828	Shell-Thick	SLE-QP	0.6583	-2.6114	10.61	-5.75
828	Shell-Thick	SLE-QP	0.9907	-2.1012	10.56	-5.75
829	Shell-Thick	SLU-STATICA	6.0996	-3.1540	22.58	-6.56
829	Shell-Thick	SLU-STATICA	5.3558	-3.7366	22.55	-6.56
829	Shell-Thick	SLU-STATICA	1.9678	-5.5912	22.55	-6.49
829	Shell-Thick	SLU-STATICA	2.7159	-5.0387	22.58	-6.49
829	Shell-Thick	SLU-SISMICA	11.0562	-4.8536	35.40	-4.07
829	Shell-Thick	SLU-SISMICA	10.0944	-5.1589	35.21	-4.07
829	Shell-Thick	SLU-SISMICA	4.8016	-8.1328	35.21	-3.74
829	Shell-Thick	SLU-SISMICA	5.7532	-7.7583	35.40	-3.74
829	Shell-Thick	SLE-RARA	4.3749	-2.3053	16.47	-5.09
829	Shell-Thick	SLE-RARA	3.8222	-2.7605	16.45	-5.09
829	Shell-Thick	SLE-RARA	1.3499	-4.1100	16.45	-5.06
829	Shell-Thick	SLE-RARA	1.9067	-3.6825	16.47	-5.06
829	Shell-Thick	SLE-FREQ.	3.8597	-2.1087	15.01	-5.17
829	Shell-Thick	SLE-FREQ.	3.3385	-2.5755	15.01	-5.17
829	Shell-Thick	SLE-FREQ.	1.0837	-3.7998	15.01	-5.16
829	Shell-Thick	SLE-FREQ.	1.6100	-3.3682	15.01	-5.16
829	Shell-Thick	SLE-QP	2.3141	-1.5192	10.63	-5.41
829	Shell-Thick	SLE-QP	1.8875	-2.0206	10.67	-5.41

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829	Shell-Thick	SLE-QP	0.2852	-2.8692	10.67	-5.46
829	Shell-Thick	SLE-QP	0.7202	-2.4253	10.63	-5.46
830	Shell-Thick	SLU-STATICA	5.4307	-3.6311	22.48	-5.80
830	Shell-Thick	SLU-STATICA	4.8999	-4.0777	22.41	-5.80
830	Shell-Thick	SLU-STATICA	1.5396	-5.4355	22.41	-5.66
830	Shell-Thick	SLU-STATICA	2.0552	-4.8851	22.48	-5.66
830	Shell-Thick	SLU-SISMICA	10.1475	-5.3999	35.09	-2.79
830	Shell-Thick	SLU-SISMICA	9.5099	-5.4787	34.83	-2.79
830	Shell-Thick	SLU-SISMICA	4.2852	-7.5998	34.83	-2.34
830	Shell-Thick	SLU-SISMICA	4.8805	-7.2320	35.09	-2.34
830	Shell-Thick	SLE-RARA	3.8800	-2.6633	16.41	-4.54
830	Shell-Thick	SLE-RARA	3.4831	-3.0200	16.36	-4.54
830	Shell-Thick	SLE-RARA	1.0298	-4.0109	16.36	-4.46
830	Shell-Thick	SLE-RARA	1.4165	-3.5847	16.41	-4.46
830	Shell-Thick	SLE-FREQ.	3.3967	-2.4523	14.97	-4.68
830	Shell-Thick	SLE-FREQ.	3.0184	-2.8304	14.94	-4.68
830	Shell-Thick	SLE-FREQ.	0.7788	-3.7341	14.94	-4.62
830	Shell-Thick	SLE-FREQ.	1.1494	-3.3035	14.97	-4.62
830	Shell-Thick	SLE-QP	1.9468	-1.8192	10.65	-5.08
830	Shell-Thick	SLE-QP	1.6242	-2.2616	10.66	-5.08
830	Shell-Thick	SLE-QP	0.0257	-2.9039	10.66	-5.11
830	Shell-Thick	SLE-QP	0.3481	-2.4597	10.65	-5.11
831	Shell-Thick	SLU-STATICA	4.9642	-3.5077	22.46	-4.97
831	Shell-Thick	SLU-STATICA	4.2919	-3.9704	22.33	-4.97
831	Shell-Thick	SLU-STATICA	0.9275	-5.7715	22.33	-4.76
831	Shell-Thick	SLU-STATICA	1.6069	-5.3475	22.46	-4.76
831	Shell-Thick	SLU-SISMICA	9.5470	-4.9538	34.91	-1.46
831	Shell-Thick	SLU-SISMICA	8.7003	-5.0326	34.54	-1.46
831	Shell-Thick	SLU-SISMICA	3.4951	-7.8402	34.54	-0.86
831	Shell-Thick	SLU-SISMICA	4.3317	-7.7072	34.91	-0.86
831	Shell-Thick	SLE-RARA	3.5333	-2.5859	16.40	-3.94
831	Shell-Thick	SLE-RARA	3.0325	-2.9556	16.31	-3.94
831	Shell-Thick	SLE-RARA	0.5749	-4.2702	16.31	-3.80
831	Shell-Thick	SLE-RARA	1.0818	-3.9344	16.40	-3.80
831	Shell-Thick	SLE-FREQ.	3.0695	-2.4033	14.98	-4.14
831	Shell-Thick	SLE-FREQ.	2.5954	-2.7954	14.91	-4.14
831	Shell-Thick	SLE-FREQ.	0.3497	-3.9949	14.91	-4.03
831	Shell-Thick	SLE-FREQ.	0.8312	-3.6435	14.98	-4.03
831	Shell-Thick	SLE-QP	1.6783	-1.8555	10.69	-4.71
831	Shell-Thick	SLE-QP	1.2842	-2.3149	10.69	-4.71
831	Shell-Thick	SLE-QP	-0.3258	-3.1690	10.69	-4.71
831	Shell-Thick	SLE-QP	0.0794	-2.7707	10.69	-4.71
832	Shell-Thick	SLU-STATICA	4.3421	-3.8088	22.31	-3.58
832	Shell-Thick	SLU-STATICA	3.3537	-4.3806	21.89	-3.58
832	Shell-Thick	SLU-STATICA	0.0398	-5.8048	21.89	-3.21
832	Shell-Thick	SLU-STATICA	1.0186	-5.2266	22.31	-3.21
832	Shell-Thick	SLU-SISMICA	8.6975	-5.2865	34.48	0.66
832	Shell-Thick	SLU-SISMICA	7.4847	-5.0696	33.51	0.66
832	Shell-Thick	SLU-SISMICA	2.4252	-7.1814	33.51	1.53
832	Shell-Thick	SLU-SISMICA	3.5479	-7.3364	34.48	1.53
832	Shell-Thick	SLE-RARA	3.0732	-2.8124	16.30	-2.92
832	Shell-Thick	SLE-RARA	2.3354	-3.2850	16.01	-2.92
832	Shell-Thick	SLE-RARA	-0.0887	-4.3299	16.01	-2.66
832	Shell-Thick	SLE-RARA	0.6458	-3.8552	16.30	-2.66
832	Shell-Thick	SLE-FREQ.	2.6395	-2.6216	14.90	-3.20
832	Shell-Thick	SLE-FREQ.	1.9384	-3.1474	14.66	-3.20
832	Shell-Thick	SLE-FREQ.	-0.2825	-4.1100	14.66	-2.99
832	Shell-Thick	SLE-FREQ.	0.4220	-3.5868	14.90	-2.99
832	Shell-Thick	SLE-QP	1.3384	-2.0493	10.69	-4.03
832	Shell-Thick	SLE-QP	0.7472	-2.7345	10.61	-4.03
832	Shell-Thick	SLE-QP	-0.8641	-3.4504	10.61	-3.96
832	Shell-Thick	SLE-QP	-0.2493	-2.7815	10.69	-3.96
833	Shell-Thick	SLU-STATICA	3.3743	-3.9798	21.96	-1.98
833	Shell-Thick	SLU-STATICA	2.8618	-4.1707	21.66	-1.98
833	Shell-Thick	SLU-STATICA	-0.4167	-5.8720	21.66	-1.46
833	Shell-Thick	SLU-STATICA	0.1077	-5.7635	21.96	-1.46
833	Shell-Thick	SLU-SISMICA	7.4419	-4.9014	33.59	2.97
833	Shell-Thick	SLU-SISMICA	6.8086	-4.5995	32.97	2.97
833	Shell-Thick	SLU-SISMICA	1.8145	-7.1400	32.97	4.04

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833	Shell-Thick	SLU-SISMICA	2.4484	-7.4477	33.59	4.04
833	Shell-Thick	SLE-RARA	2.3542	-2.9697	16.06	-1.75
833	Shell-Thick	SLE-RARA	1.9718	-3.1390	15.85	-1.75
833	Shell-Thick	SLE-RARA	-0.4269	-4.3863	15.85	-1.38
833	Shell-Thick	SLE-RARA	-0.0350	-4.2833	16.06	-1.38
833	Shell-Thick	SLE-FREQ.	1.9618	-2.8208	14.71	-2.11
833	Shell-Thick	SLE-FREQ.	1.5989	-3.0263	14.53	-2.11
833	Shell-Thick	SLE-FREQ.	-0.5998	-4.1739	14.53	-1.80
833	Shell-Thick	SLE-FREQ.	-0.2265	-4.0393	14.71	-1.80
833	Shell-Thick	SLE-QP	0.7848	-2.3739	10.65	-3.20
833	Shell-Thick	SLE-QP	0.4799	-2.6884	10.57	-3.20
833	Shell-Thick	SLE-QP	-1.1183	-3.5369	10.57	-3.05
833	Shell-Thick	SLE-QP	-0.8010	-3.3072	10.65	-3.05
834	Shell-Thick	SLU-STATICA	2.8440	-4.3269	21.65	-0.72
834	Shell-Thick	SLU-STATICA	2.4516	-4.3754	21.27	-0.72
834	Shell-Thick	SLU-STATICA	-0.7702	-5.6123	21.27	-8.088E-02
834	Shell-Thick	SLU-STATICA	-0.3740	-5.5909	21.65	-8.088E-02
834	Shell-Thick	SLU-SISMICA	6.7283	-5.1783	32.93	4.69
834	Shell-Thick	SLU-SISMICA	6.2616	-4.6739	32.21	4.69
834	Shell-Thick	SLU-SISMICA	1.3811	-6.4403	32.21	5.93
834	Shell-Thick	SLU-SISMICA	1.8351	-6.8596	32.93	5.93
834	Shell-Thick	SLE-RARA	1.9615	-3.2362	15.84	-0.82
834	Shell-Thick	SLE-RARA	1.6679	-3.3005	15.58	-0.82
834	Shell-Thick	SLE-RARA	-0.6908	-4.2114	15.58	-0.36
834	Shell-Thick	SLE-RARA	-0.3935	-4.1732	15.84	-0.36
834	Shell-Thick	SLE-FREQ.	1.5939	-3.0865	14.52	-1.24
834	Shell-Thick	SLE-FREQ.	1.3136	-3.1946	14.29	-1.24
834	Shell-Thick	SLE-FREQ.	-0.8506	-4.0395	14.29	-0.85
834	Shell-Thick	SLE-FREQ.	-0.5653	-3.9661	14.52	-0.85
834	Shell-Thick	SLE-QP	0.4912	-2.6372	10.57	-2.51
834	Shell-Thick	SLE-QP	0.2509	-2.8769	10.45	-2.51
834	Shell-Thick	SLE-QP	-1.3299	-3.5239	10.45	-2.30
834	Shell-Thick	SLE-QP	-1.0808	-3.3446	10.57	-2.30
835	Shell-Thick	SLU-STATICA	2.4181	-4.1775	21.36	0.66
835	Shell-Thick	SLU-STATICA	2.0140	-4.1420	20.91	0.66
835	Shell-Thick	SLU-STATICA	-1.1654	-5.7042	20.91	1.44
835	Shell-Thick	SLU-STATICA	-0.7451	-5.8519	21.36	1.44
835	Shell-Thick	SLU-SISMICA	6.1617	-4.6656	32.33	6.51
835	Shell-Thick	SLU-SISMICA	5.6611	-4.0628	31.49	6.51
835	Shell-Thick	SLU-SISMICA	0.8696	-6.3104	31.49	7.95
835	Shell-Thick	SLU-SISMICA	1.3776	-6.9659	32.33	7.95
835	Shell-Thick	SLE-RARA	1.6458	-3.1411	15.64	0.21
835	Shell-Thick	SLE-RARA	1.3444	-3.1425	15.32	0.21
835	Shell-Thick	SLE-RARA	-0.9844	-4.2920	15.32	0.77
835	Shell-Thick	SLE-RARA	-0.6703	-4.3787	15.64	0.77
835	Shell-Thick	SLE-FREQ.	1.2976	-3.0236	14.35	-0.27
835	Shell-Thick	SLE-FREQ.	1.0115	-3.0715	14.07	-0.27
835	Shell-Thick	SLE-FREQ.	-1.1274	-4.1364	14.07	0.21
835	Shell-Thick	SLE-FREQ.	-0.8282	-4.1792	14.35	0.21
835	Shell-Thick	SLE-QP	0.2529	-2.6709	10.49	-1.73
835	Shell-Thick	SLE-QP	0.0129	-2.8586	10.33	-1.73
835	Shell-Thick	SLE-QP	-1.5563	-3.6695	10.33	-1.45
835	Shell-Thick	SLE-QP	-1.3020	-3.5807	10.49	-1.45
836	Shell-Thick	SLU-STATICA	1.9537	-4.4117	20.92	2.21
836	Shell-Thick	SLU-STATICA	1.6472	-4.2254	20.39	2.21
836	Shell-Thick	SLU-STATICA	-1.4584	-5.3263	20.39	3.12
836	Shell-Thick	SLU-STATICA	-1.1388	-5.6036	20.92	3.12
836	Shell-Thick	SLU-SISMICA	5.5245	-4.7676	31.49	8.49
836	Shell-Thick	SLU-SISMICA	5.1502	-3.9664	30.54	8.49
836	Shell-Thick	SLU-SISMICA	0.4955	-5.4602	30.54	10.12
836	Shell-Thick	SLU-SISMICA	0.8718	-6.2776	31.49	10.12
836	Shell-Thick	SLE-RARA	1.3025	-3.3251	15.33	1.36
836	Shell-Thick	SLE-RARA	1.0737	-3.2147	14.94	1.36
836	Shell-Thick	SLE-RARA	-1.2025	-4.0292	14.94	2.02
836	Shell-Thick	SLE-RARA	-0.9631	-4.2124	15.33	2.02
836	Shell-Thick	SLE-FREQ.	0.9769	-3.2139	14.08	0.81
836	Shell-Thick	SLE-FREQ.	0.7593	-3.1567	13.74	0.81
836	Shell-Thick	SLE-FREQ.	-1.3334	-3.9189	13.74	1.39
836	Shell-Thick	SLE-FREQ.	-1.1046	-4.0532	14.08	1.39



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836	Shell-Thick	SLE-QP	2.226E-04	-2.8802	10.34	-0.84
836	Shell-Thick	SLE-QP	-0.1838	-2.9828	10.13	-0.84
836	Shell-Thick	SLE-QP	-1.7262	-3.5878	10.13	-0.48
836	Shell-Thick	SLE-QP	-1.5291	-3.5754	10.34	-0.48
837	Shell-Thick	SLU-STATICA	1.5696	-4.1840	20.49	3.89
837	Shell-Thick	SLU-STATICA	1.2903	-3.8745	19.87	3.89
837	Shell-Thick	SLU-STATICA	-1.7487	-5.2400	19.87	4.97
837	Shell-Thick	SLU-STATICA	-1.4475	-5.7010	20.49	4.97
837	Shell-Thick	SLU-SISMICA	4.9929	-4.1557	30.68	10.59
837	Shell-Thick	SLU-SISMICA	4.6363	-3.2119	29.62	10.59
837	Shell-Thick	SLU-SISMICA	0.1043	-5.0893	29.62	12.43
837	Shell-Thick	SLU-SISMICA	0.4774	-6.1486	30.68	12.43
837	Shell-Thick	SLE-RARA	1.0188	-3.1718	15.02	2.62
837	Shell-Thick	SLE-RARA	0.8110	-2.9688	14.57	2.62
837	Shell-Thick	SLE-RARA	-1.4174	-3.9780	14.57	3.39
837	Shell-Thick	SLE-RARA	-1.1927	-4.2975	15.02	3.39
837	Shell-Thick	SLE-FREQ.	0.7123	-3.0959	13.81	2.00
837	Shell-Thick	SLE-FREQ.	0.5160	-2.9501	13.41	2.00
837	Shell-Thick	SLE-FREQ.	-1.5347	-3.8923	13.41	2.69
837	Shell-Thick	SLE-FREQ.	-1.3215	-4.1548	13.81	2.69
837	Shell-Thick	SLE-QP	-0.2070	-2.8683	10.19	0.16
837	Shell-Thick	SLE-QP	-0.3689	-2.8939	9.93	0.16
837	Shell-Thick	SLE-QP	-1.8867	-3.6352	9.93	0.60
837	Shell-Thick	SLE-QP	-1.7078	-3.7266	10.19	0.60
838	Shell-Thick	SLU-STATICA	1.1842	-4.2718	19.90	5.75
838	Shell-Thick	SLU-STATICA	0.9908	-3.7995	19.19	5.75
838	Shell-Thick	SLU-STATICA	-1.9539	-4.6801	19.19	6.98
838	Shell-Thick	SLU-STATICA	-1.7371	-5.3148	19.90	6.98
838	Shell-Thick	SLU-SISMICA	4.4412	-4.0550	29.65	12.85
838	Shell-Thick	SLU-SISMICA	4.1873	-2.9120	28.46	12.85
838	Shell-Thick	SLU-SISMICA	-0.1814	-4.0159	28.46	14.91
838	Shell-Thick	SLU-SISMICA	0.0909	-5.2882	29.65	14.91
838	Shell-Thick	SLE-RARA	0.7350	-3.2477	14.60	4.00
838	Shell-Thick	SLE-RARA	0.5915	-2.9233	14.08	4.00
838	Shell-Thick	SLE-RARA	-1.5689	-3.5794	14.08	4.89
838	Shell-Thick	SLE-RARA	-1.4073	-4.0285	14.60	4.89
838	Shell-Thick	SLE-FREQ.	0.4492	-3.1854	13.44	3.32
838	Shell-Thick	SLE-FREQ.	0.3142	-2.9241	12.97	3.32
838	Shell-Thick	SLE-FREQ.	-1.6759	-3.5457	12.97	4.12
838	Shell-Thick	SLE-FREQ.	-1.5228	-3.9314	13.44	4.12
838	Shell-Thick	SLE-QP	-0.4081	-2.9987	9.95	1.27
838	Shell-Thick	SLE-QP	-0.5176	-2.9267	9.64	1.27
838	Shell-Thick	SLE-QP	-1.9968	-3.4447	9.64	1.80
838	Shell-Thick	SLE-QP	-1.8694	-3.6400	9.95	1.80
839	Shell-Thick	SLU-STATICA	0.8660	-3.9072	19.31	7.77
839	Shell-Thick	SLU-STATICA	0.7306	-3.2710	18.50	7.77
839	Shell-Thick	SLU-STATICA	-2.1210	-4.3723	18.50	9.17
839	Shell-Thick	SLU-STATICA	-1.9565	-5.2095	19.31	9.17
839	Shell-Thick	SLU-SISMICA	3.9702	-3.2768	28.63	15.27
839	Shell-Thick	SLU-SISMICA	3.7736	-1.9465	27.31	15.27
839	Shell-Thick	SLU-SISMICA	-0.4374	-3.3685	27.31	17.55
839	Shell-Thick	SLU-SISMICA	-0.2128	-4.8935	28.63	17.55
839	Shell-Thick	SLE-RARA	0.5015	-2.9920	14.17	5.51
839	Shell-Thick	SLE-RARA	0.4020	-2.5445	13.58	5.51
839	Shell-Thick	SLE-RARA	-1.6910	-3.3631	13.58	6.53
839	Shell-Thick	SLE-RARA	-1.5694	-3.9631	14.17	6.53
839	Shell-Thick	SLE-FREQ.	0.2341	-2.9700	13.06	4.76
839	Shell-Thick	SLE-FREQ.	0.1420	-2.5906	12.52	4.76
839	Shell-Thick	SLE-FREQ.	-1.7877	-3.3626	12.52	5.68
839	Shell-Thick	SLE-FREQ.	-1.6740	-3.8914	13.06	5.68
839	Shell-Thick	SLE-QP	-0.5684	-2.9041	9.71	2.50
839	Shell-Thick	SLE-QP	-0.6379	-2.7290	9.35	2.50
839	Shell-Thick	SLE-QP	-2.0777	-3.3614	9.35	3.13
839	Shell-Thick	SLE-QP	-1.9878	-3.6762	9.71	3.13
840	Shell-Thick	SLU-STATICA	0.5758	-3.8136	18.56	9.97
840	Shell-Thick	SLU-STATICA	0.5229	-2.9994	17.65	9.97
840	Shell-Thick	SLU-STATICA	-2.2110	-3.5552	17.65	11.55
840	Shell-Thick	SLU-STATICA	-2.1228	-4.6130	18.56	11.55
840	Shell-Thick	SLU-SISMICA	3.5174	-2.9484	27.38	17.86



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840	Shell-Thick	SLU-SISMICA	3.4125	-1.4142	25.93	17.86
840	Shell-Thick	SLU-SISMICA	-0.6059	-1.9886	25.93	20.37
840	Shell-Thick	SLU-SISMICA	-0.4639	-3.7802	27.38	20.37
840	Shell-Thick	SLE-RARA	0.2898	-2.9328	13.62	7.16
840	Shell-Thick	SLE-RARA	0.2523	-2.3517	12.96	7.16
840	Shell-Thick	SLE-RARA	-1.7553	-2.7719	12.96	8.31
840	Shell-Thick	SLE-RARA	-1.6912	-3.5369	13.62	8.31
840	Shell-Thick	SLE-FREQ.	0.0409	-2.9316	12.56	6.34
840	Shell-Thick	SLE-FREQ.	0.0086	-2.4240	11.96	6.34
840	Shell-Thick	SLE-FREQ.	-1.8439	-2.8323	11.96	7.38
840	Shell-Thick	SLE-FREQ.	-1.7858	-3.5181	12.56	7.38
840	Shell-Thick	SLE-QP	-0.7058	-2.9280	9.38	3.86
840	Shell-Thick	SLE-QP	-0.7225	-2.6409	8.96	3.86
840	Shell-Thick	SLE-QP	-2.1098	-3.0135	8.96	4.59
840	Shell-Thick	SLE-QP	-2.0697	-3.4618	9.38	4.59
841	Shell-Thick	SLU-STATICA	0.3484	-3.2418	17.80	12.36
841	Shell-Thick	SLU-STATICA	0.3828	-2.2200	16.78	12.36
841	Shell-Thick	SLU-STATICA	-2.2300	-2.9813	16.78	14.12
841	Shell-Thick	SLU-STATICA	-2.2266	-4.2638	17.80	14.12
841	Shell-Thick	SLU-SISMICA	3.1333	-1.9269	26.14	20.64
841	Shell-Thick	SLU-SISMICA	3.1235	-0.1579	24.56	20.64
841	Shell-Thick	SLU-SISMICA	-0.7014	-1.0339	24.56	23.37
841	Shell-Thick	SLU-SISMICA	-0.6500	-3.0927	26.14	23.37
841	Shell-Thick	SLE-RARA	0.1253	-2.5219	13.07	8.96
841	Shell-Thick	SLE-RARA	0.1535	-1.7849	12.33	8.96
841	Shell-Thick	SLE-RARA	-1.7659	-2.3560	12.33	10.24
841	Shell-Thick	SLE-RARA	-1.7658	-3.2892	13.07	10.24
841	Shell-Thick	SLE-FREQ.	-0.1067	-2.5678	12.06	8.06
841	Shell-Thick	SLE-FREQ.	-0.0755	-1.9103	11.38	8.06
841	Shell-Thick	SLE-FREQ.	-1.8480	-2.4580	11.38	9.23
841	Shell-Thick	SLE-FREQ.	-1.8518	-3.3043	12.06	9.23
841	Shell-Thick	SLE-QP	-0.8025	-2.7054	9.04	5.36
841	Shell-Thick	SLE-QP	-0.7626	-2.2867	8.55	5.36
841	Shell-Thick	SLE-QP	-2.0943	-2.7638	8.55	6.19
841	Shell-Thick	SLE-QP	-2.1099	-3.3498	9.04	6.19
842	Shell-Thick	SLU-STATICA	0.1770	-2.9253	16.86	14.96
842	Shell-Thick	SLU-STATICA	0.2904	-1.7079	15.73	14.96
842	Shell-Thick	SLU-STATICA	-2.1792	-1.8182	15.73	16.91
842	Shell-Thick	SLU-STATICA	-2.2437	-3.3729	16.86	16.91
842	Shell-Thick	SLU-SISMICA	2.8036	-1.3435	24.67	23.59
842	Shell-Thick	SLU-SISMICA	2.8756	0.6362	22.95	23.59
842	Shell-Thick	SLU-SISMICA	-0.7257	0.7462	22.95	26.56
842	Shell-Thick	SLU-SISMICA	-0.7393	-1.6373	24.67	26.56
842	Shell-Thick	SLE-RARA	0.0033	-2.2954	12.39	10.90
842	Shell-Thick	SLE-RARA	0.0912	-1.4109	11.56	10.90
842	Shell-Thick	SLE-RARA	-1.7237	-1.5055	11.56	12.33
842	Shell-Thick	SLE-RARA	-1.7751	-2.6423	12.39	12.33
842	Shell-Thick	SLE-FREQ.	-0.2127	-2.3688	11.44	9.93
842	Shell-Thick	SLE-FREQ.	-0.1235	-1.5688	10.68	9.93
842	Shell-Thick	SLE-FREQ.	-1.8007	-1.6791	10.68	11.23
842	Shell-Thick	SLE-FREQ.	-1.8549	-2.7198	11.44	11.23
842	Shell-Thick	SLE-QP	-0.8605	-2.5890	8.60	6.99
842	Shell-Thick	SLE-QP	-0.7676	-2.0424	8.05	6.99
842	Shell-Thick	SLE-QP	-2.0315	-2.2000	8.05	7.94
842	Shell-Thick	SLE-QP	-2.0946	-2.9522	8.60	7.94
843	Shell-Thick	SLU-STATICA	0.0648	-2.0628	15.92	17.78
843	Shell-Thick	SLU-STATICA	0.3009	-0.5892	14.69	17.78
843	Shell-Thick	SLU-STATICA	-2.0192	-0.9278	14.69	19.90
843	Shell-Thick	SLU-STATICA	-2.2074	-2.7321	15.92	19.90
843	Shell-Thick	SLU-SISMICA	2.5321	0.0080	23.21	26.77
843	Shell-Thick	SLU-SISMICA	2.7478	2.2753	21.36	26.77
843	Shell-Thick	SLU-SISMICA	-0.6248	2.0386	21.36	29.96
843	Shell-Thick	SLU-SISMICA	-0.7828	-0.6287	23.21	29.96
843	Shell-Thick	SLE-RARA	-0.0738	-1.6662	11.70	13.02
843	Shell-Thick	SLE-RARA	0.1061	-0.5892	10.80	13.02
843	Shell-Thick	SLE-RARA	-1.5995	-0.8508	10.80	14.58
843	Shell-Thick	SLE-RARA	-1.7436	-2.1750	11.70	14.58
843	Shell-Thick	SLE-FREQ.	-0.2748	-1.7953	10.81	11.96
843	Shell-Thick	SLE-FREQ.	-0.0976	-0.8100	9.98	11.96

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843	Shell-Thick	SLE-FREQ.	-1.6747	-1.0736	9.98	13.39
843	Shell-Thick	SLE-FREQ.	-1.8177	-2.2942	10.81	13.39
843	Shell-Thick	SLE-QP	-0.8776	-2.1826	8.15	8.78
843	Shell-Thick	SLE-QP	-0.7088	-1.4727	7.54	8.78
843	Shell-Thick	SLE-QP	-1.9002	-1.7420	7.54	9.84
843	Shell-Thick	SLE-QP	-2.0400	-2.6519	8.15	9.84
844	Shell-Thick	SLU-STATICA	0.0668	-1.4150	14.78	20.62
844	Shell-Thick	SLU-STATICA	0.3058	-0.0131	13.61	20.62
844	Shell-Thick	SLU-STATICA	-1.8398	0.5105	13.61	22.92
844	Shell-Thick	SLU-STATICA	-2.0469	-1.4106	14.78	22.92
844	Shell-Thick	SLU-SISMICA	2.3954	0.9601	21.47	29.93
844	Shell-Thick	SLU-SISMICA	2.6029	3.0414	19.75	29.93
844	Shell-Thick	SLU-SISMICA	-0.5103	4.0785	19.75	33.33
844	Shell-Thick	SLU-SISMICA	-0.6769	1.3313	21.47	33.33
844	Shell-Thick	SLE-RARA	-0.0654	-1.1905	10.86	15.16
844	Shell-Thick	SLE-RARA	0.1173	-0.1621	10.01	15.16
844	Shell-Thick	SLE-RARA	-1.4603	0.2090	10.01	16.84
844	Shell-Thick	SLE-RARA	-1.6192	-1.2055	10.86	16.84
844	Shell-Thick	SLE-FREQ.	-0.2552	-1.3563	10.04	14.02
844	Shell-Thick	SLE-FREQ.	-0.0744	-0.4091	9.26	14.02
844	Shell-Thick	SLE-FREQ.	-1.5336	-0.0893	9.26	15.57
844	Shell-Thick	SLE-FREQ.	-1.6919	-1.4011	10.04	15.57
844	Shell-Thick	SLE-QP	-0.8245	-1.8538	7.59	10.61
844	Shell-Thick	SLE-QP	-0.6494	-1.1502	7.00	10.61
844	Shell-Thick	SLE-QP	-1.7533	-0.9845	7.00	11.76
844	Shell-Thick	SLE-QP	-1.9099	-1.9880	7.59	11.76
845	Shell-Thick	SLU-STATICA	12.1867	-4.0148	21.60	-12.46
845	Shell-Thick	SLU-STATICA	11.5483	-4.7978	21.13	-12.46
845	Shell-Thick	SLU-STATICA	8.3823	-5.9019	21.13	-11.65
845	Shell-Thick	SLU-STATICA	8.9426	-4.5869	21.60	-11.65
845	Shell-Thick	SLU-SISMICA	19.4106	-7.8773	33.20	-18.09
845	Shell-Thick	SLU-SISMICA	18.4549	-8.9516	32.80	-18.09
845	Shell-Thick	SLU-SISMICA	13.5726	-10.5213	32.80	-17.40
845	Shell-Thick	SLU-SISMICA	14.3908	-8.5088	33.20	-17.40
845	Shell-Thick	SLE-RARA	8.8744	-2.8498	15.79	-9.16
845	Shell-Thick	SLE-RARA	8.4065	-3.4285	15.43	-9.16
845	Shell-Thick	SLE-RARA	6.0930	-4.2419	15.43	-8.54
845	Shell-Thick	SLE-RARA	6.5047	-3.2803	15.79	-8.54
845	Shell-Thick	SLE-FREQ.	8.0619	-2.4621	14.44	-8.48
845	Shell-Thick	SLE-FREQ.	7.6316	-3.0026	14.09	-8.48
845	Shell-Thick	SLE-FREQ.	5.5162	-3.7577	14.09	-7.86
845	Shell-Thick	SLE-FREQ.	5.8966	-2.8771	14.44	-7.86
845	Shell-Thick	SLE-QP	5.6245	-1.2990	10.41	-6.41
845	Shell-Thick	SLE-QP	5.3070	-1.7249	10.07	-6.41
845	Shell-Thick	SLE-QP	3.7859	-2.3051	10.07	-5.81
845	Shell-Thick	SLE-QP	4.0722	-1.6676	10.41	-5.81
846	Shell-Thick	SLU-STATICA	11.7621	-3.3939	21.20	-12.06
846	Shell-Thick	SLU-STATICA	10.3420	-4.4297	21.11	-12.06
846	Shell-Thick	SLU-STATICA	7.1691	-6.2611	21.11	-11.90
846	Shell-Thick	SLU-STATICA	8.5873	-5.2120	21.20	-11.90
846	Shell-Thick	SLU-SISMICA	18.7923	-6.7203	32.91	-16.82
846	Shell-Thick	SLU-SISMICA	16.5270	-8.1686	33.02	-16.82
846	Shell-Thick	SLU-SISMICA	11.5839	-11.2090	33.02	-17.00
846	Shell-Thick	SLU-SISMICA	13.8426	-9.7150	32.91	-17.00
846	Shell-Thick	SLE-RARA	8.5623	-2.4059	15.48	-8.90
846	Shell-Thick	SLE-RARA	7.5283	-3.1703	15.40	-8.90
846	Shell-Thick	SLE-RARA	5.2123	-4.4978	15.40	-8.77
846	Shell-Thick	SLE-RARA	6.2450	-3.7250	15.48	-8.77
846	Shell-Thick	SLE-FREQ.	7.7734	-2.0733	14.14	-8.29
846	Shell-Thick	SLE-FREQ.	6.8344	-2.7848	14.04	-8.29
846	Shell-Thick	SLE-FREQ.	4.7210	-3.9803	14.04	-8.13
846	Shell-Thick	SLE-FREQ.	5.6592	-3.2631	14.14	-8.13
846	Shell-Thick	SLE-QP	5.4068	-1.0752	10.10	-6.46
846	Shell-Thick	SLE-QP	4.7527	-1.6285	9.97	-6.46
846	Shell-Thick	SLE-QP	3.2470	-2.4277	9.97	-6.23
846	Shell-Thick	SLE-QP	3.9016	-1.8774	10.10	-6.23
847	Shell-Thick	SLU-STATICA	10.5536	-3.9396	20.97	-11.71
847	Shell-Thick	SLU-STATICA	9.9249	-4.7193	20.82	-11.71
847	Shell-Thick	SLU-STATICA	6.8230	-5.8493	20.82	-11.46

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847	Shell-Thick	SLU-STATICA	7.3850	-4.6135	20.97	-11.46
847	Shell-Thick	SLU-SISMICA	16.8489	-7.7121	32.74	-15.64
847	Shell-Thick	SLU-SISMICA	15.9514	-8.6632	32.74	-15.64
847	Shell-Thick	SLU-SISMICA	11.0990	-10.3607	32.74	-15.63
847	Shell-Thick	SLU-SISMICA	11.8767	-8.5918	32.74	-15.63
847	Shell-Thick	SLE-RARA	7.6832	-2.7973	15.30	-8.68
847	Shell-Thick	SLE-RARA	7.2202	-3.3795	15.18	-8.68
847	Shell-Thick	SLE-RARA	4.9570	-4.2075	15.18	-8.47
847	Shell-Thick	SLE-RARA	5.3721	-3.2976	15.30	-8.47
847	Shell-Thick	SLE-FREQ.	6.9764	-2.4183	13.96	-8.14
847	Shell-Thick	SLE-FREQ.	6.5469	-2.9721	13.83	-8.14
847	Shell-Thick	SLE-FREQ.	4.4834	-3.7330	13.83	-7.92
847	Shell-Thick	SLE-FREQ.	4.8705	-2.8894	13.96	-7.92
847	Shell-Thick	SLE-QP	4.8561	-1.2813	9.92	-6.53
847	Shell-Thick	SLE-QP	4.5270	-1.7497	9.77	-6.53
847	Shell-Thick	SLE-QP	3.0625	-2.3095	9.77	-6.27
847	Shell-Thick	SLE-QP	3.3657	-1.6646	9.92	-6.27
848	Shell-Thick	SLU-STATICA	10.1331	-3.4006	20.88	-11.39
848	Shell-Thick	SLU-STATICA	8.8563	-4.3817	20.79	-11.39
848	Shell-Thick	SLU-STATICA	5.7305	-6.1955	20.79	-11.23
848	Shell-Thick	SLU-STATICA	7.0065	-5.2092	20.88	-11.23
848	Shell-Thick	SLU-SISMICA	16.2624	-6.6605	32.83	-14.56
848	Shell-Thick	SLU-SISMICA	14.3115	-7.9035	32.87	-14.56
848	Shell-Thick	SLU-SISMICA	9.3866	-10.9517	32.87	-14.63
848	Shell-Thick	SLU-SISMICA	11.3297	-9.6550	32.83	-14.63
848	Shell-Thick	SLE-RARA	7.3728	-2.4143	15.23	-8.47
848	Shell-Thick	SLE-RARA	6.4389	-3.1447	15.15	-8.47
848	Shell-Thick	SLE-RARA	4.1601	-4.4576	15.15	-8.34
848	Shell-Thick	SLE-RARA	5.0937	-3.7257	15.23	-8.34
848	Shell-Thick	SLE-FREQ.	6.6873	-2.0869	13.87	-8.00
848	Shell-Thick	SLE-FREQ.	5.8319	-2.7778	13.78	-8.00
848	Shell-Thick	SLE-FREQ.	3.7570	-3.9568	13.78	-7.85
848	Shell-Thick	SLE-FREQ.	4.6129	-3.2685	13.87	-7.85
848	Shell-Thick	SLE-QP	4.6308	-1.1046	9.80	-6.59
848	Shell-Thick	SLE-QP	4.0106	-1.6769	9.69	-6.59
848	Shell-Thick	SLE-QP	2.5479	-2.4545	9.69	-6.40
848	Shell-Thick	SLE-QP	3.1702	-1.8968	9.80	-6.40
849	Shell-Thick	SLU-STATICA	9.0479	-3.9455	20.66	-10.98
849	Shell-Thick	SLU-STATICA	8.4363	-4.7015	20.58	-10.98
849	Shell-Thick	SLU-STATICA	5.3699	-5.8417	20.58	-10.84
849	Shell-Thick	SLU-STATICA	5.9252	-4.7003	20.66	-10.84
849	Shell-Thick	SLU-SISMICA	14.5867	-7.5717	32.62	-13.38
849	Shell-Thick	SLU-SISMICA	13.7546	-8.3844	32.64	-13.38
849	Shell-Thick	SLU-SISMICA	8.9104	-10.1654	32.64	-13.42
849	Shell-Thick	SLU-SISMICA	9.6390	-8.6459	32.62	-13.42
849	Shell-Thick	SLE-RARA	6.5800	-2.8090	15.06	-8.20
849	Shell-Thick	SLE-RARA	6.1275	-3.3790	15.00	-8.20
849	Shell-Thick	SLE-RARA	3.8926	-4.2111	15.00	-8.08
849	Shell-Thick	SLE-RARA	4.3047	-3.3650	15.06	-8.08
849	Shell-Thick	SLE-FREQ.	5.9626	-2.4417	13.71	-7.80
849	Shell-Thick	SLE-FREQ.	5.5393	-2.9930	13.64	-7.80
849	Shell-Thick	SLE-FREQ.	3.5057	-3.7519	13.64	-7.67
849	Shell-Thick	SLE-FREQ.	3.8934	-2.9578	13.71	-7.67
849	Shell-Thick	SLE-QP	4.1103	-1.3399	9.65	-6.60
849	Shell-Thick	SLE-QP	3.7749	-1.8351	9.55	-6.60
849	Shell-Thick	SLE-QP	2.3449	-2.3744	9.55	-6.43
849	Shell-Thick	SLE-QP	2.6593	-1.7361	9.65	-6.43
850	Shell-Thick	SLU-STATICA	8.6249	-3.4925	20.64	-10.60
850	Shell-Thick	SLU-STATICA	7.4833	-4.4110	20.58	-10.60
850	Shell-Thick	SLU-STATICA	4.3905	-6.2130	20.58	-10.50
850	Shell-Thick	SLU-STATICA	5.5323	-5.2961	20.64	-10.50
850	Shell-Thick	SLU-SISMICA	14.0205	-6.6396	32.73	-12.32
850	Shell-Thick	SLU-SISMICA	12.3500	-7.6823	32.75	-12.32
850	Shell-Thick	SLU-SISMICA	7.4420	-10.7179	32.75	-12.35
850	Shell-Thick	SLU-SISMICA	9.1036	-9.6144	32.73	-12.35
850	Shell-Thick	SLE-RARA	6.2665	-2.4896	15.04	-7.95
850	Shell-Thick	SLE-RARA	5.4279	-3.1794	14.99	-7.95
850	Shell-Thick	SLE-RARA	3.1748	-4.4834	14.99	-7.86
850	Shell-Thick	SLE-RARA	4.0141	-3.7979	15.04	-7.86

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850	Shell-Thick	SLE-FREQ.	5.6686	-2.1696	13.67	-7.61
850	Shell-Thick	SLE-FREQ.	4.8941	-2.8321	13.62	-7.61
850	Shell-Thick	SLE-FREQ.	2.8458	-4.0026	13.62	-7.52
850	Shell-Thick	SLE-FREQ.	3.6216	-3.3494	13.67	-7.52
850	Shell-Thick	SLE-QP	3.8748	-1.2095	9.58	-6.60
850	Shell-Thick	SLE-QP	3.2928	-1.7905	9.51	-6.60
850	Shell-Thick	SLE-QP	1.8586	-2.5604	9.51	-6.48
850	Shell-Thick	SLE-QP	2.4442	-2.0038	9.58	-6.48
851	Shell-Thick	SLU-STATICA	7.6524	-4.0429	20.47	-10.13
851	Shell-Thick	SLU-STATICA	7.0650	-4.7605	20.41	-10.13
851	Shell-Thick	SLU-STATICA	4.0212	-5.9152	20.41	-10.04
851	Shell-Thick	SLU-STATICA	4.5619	-4.8784	20.47	-10.04
851	Shell-Thick	SLU-SISMICA	12.5773	-7.4831	32.53	-11.14
851	Shell-Thick	SLU-SISMICA	11.8152	-8.1501	32.52	-11.14
851	Shell-Thick	SLU-SISMICA	6.9793	-9.9970	32.52	-11.14
851	Shell-Thick	SLU-SISMICA	7.6529	-8.7259	32.53	-11.14
851	Shell-Thick	SLE-RARA	5.5532	-2.8920	14.91	-7.63
851	Shell-Thick	SLE-RARA	5.1167	-3.4383	14.87	-7.63
851	Shell-Thick	SLE-RARA	2.8996	-4.2788	14.87	-7.55
851	Shell-Thick	SLE-RARA	3.3027	-3.5048	14.91	-7.55
851	Shell-Thick	SLE-FREQ.	5.0115	-2.5380	13.55	-7.35
851	Shell-Thick	SLE-FREQ.	4.6002	-3.0750	13.50	-7.35
851	Shell-Thick	SLE-FREQ.	2.5851	-3.8378	13.50	-7.27
851	Shell-Thick	SLE-FREQ.	2.9673	-3.1022	13.55	-7.27
851	Shell-Thick	SLE-QP	3.3865	-1.4759	9.48	-6.54
851	Shell-Thick	SLE-QP	3.0505	-1.9850	9.42	-6.54
851	Shell-Thick	SLE-QP	1.6413	-2.5150	9.42	-6.44
851	Shell-Thick	SLE-QP	1.9609	-1.8944	9.48	-6.44
852	Shell-Thick	SLU-STATICA	7.2292	-3.6764	20.47	-9.68
852	Shell-Thick	SLU-STATICA	6.2154	-4.5190	20.42	-9.68
852	Shell-Thick	SLU-STATICA	3.1467	-6.3099	20.42	-9.60
852	Shell-Thick	SLU-STATICA	4.1617	-5.4757	20.47	-9.60
852	Shell-Thick	SLU-SISMICA	12.0316	-6.6730	32.61	-10.04
852	Shell-Thick	SLU-SISMICA	10.6102	-7.5125	32.58	-10.04
852	Shell-Thick	SLU-SISMICA	5.7240	-10.5128	32.58	-10.00
852	Shell-Thick	SLU-SISMICA	7.1360	-9.6086	32.61	-10.00
852	Shell-Thick	SLE-RARA	5.2385	-2.6365	14.91	-7.32
852	Shell-Thick	SLE-RARA	4.4907	-3.2751	14.87	-7.32
852	Shell-Thick	SLE-RARA	2.2560	-4.5718	14.87	-7.25
852	Shell-Thick	SLE-RARA	3.0053	-3.9433	14.91	-7.25
852	Shell-Thick	SLE-FREQ.	4.7147	-2.3252	13.54	-7.11
852	Shell-Thick	SLE-FREQ.	4.0188	-2.9483	13.50	-7.11
852	Shell-Thick	SLE-FREQ.	1.9886	-4.1137	13.50	-7.04
852	Shell-Thick	SLE-FREQ.	2.6868	-3.5064	13.54	-7.04
852	Shell-Thick	SLE-QP	3.1432	-1.3914	9.45	-6.47
852	Shell-Thick	SLE-QP	2.6031	-1.9680	9.41	-6.47
852	Shell-Thick	SLE-QP	1.1863	-2.7393	9.41	-6.40
852	Shell-Thick	SLE-QP	1.7312	-2.1958	9.45	-6.40
853	Shell-Thick	SLU-STATICA	6.3588	-4.2281	20.32	-9.13
853	Shell-Thick	SLU-STATICA	5.8001	-4.8903	20.27	-9.13
853	Shell-Thick	SLU-STATICA	2.7736	-6.0621	20.27	-9.04
853	Shell-Thick	SLU-STATICA	3.2948	-5.1437	20.32	-9.04
853	Shell-Thick	SLU-SISMICA	10.7878	-7.4477	32.39	-8.84
853	Shell-Thick	SLU-SISMICA	10.0953	-7.9585	32.33	-8.84
853	Shell-Thick	SLU-SISMICA	5.2771	-9.8513	32.33	-8.74
853	Shell-Thick	SLU-SISMICA	5.8954	-8.8332	32.39	-8.74
853	Shell-Thick	SLE-RARA	4.5976	-3.0434	14.80	-6.93
853	Shell-Thick	SLE-RARA	4.1810	-3.5527	14.76	-6.93
853	Shell-Thick	SLE-RARA	1.9770	-4.4047	14.76	-6.86
853	Shell-Thick	SLE-RARA	2.3670	-3.7138	14.80	-6.86
853	Shell-Thick	SLE-FREQ.	4.1203	-2.7038	13.44	-6.79
853	Shell-Thick	SLE-FREQ.	3.7249	-3.2129	13.40	-6.79
853	Shell-Thick	SLE-FREQ.	1.7225	-3.9847	13.40	-6.72
853	Shell-Thick	SLE-FREQ.	2.0949	-3.3190	13.44	-6.72
853	Shell-Thick	SLE-QP	2.6883	-1.6849	9.37	-6.35
853	Shell-Thick	SLE-QP	2.3567	-2.1937	9.34	-6.35
853	Shell-Thick	SLE-QP	0.9590	-2.7247	9.34	-6.29
853	Shell-Thick	SLE-QP	1.2787	-2.1347	9.37	-6.29
854	Shell-Thick	SLU-STATICA	5.9368	-3.9408	20.33	-8.58

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854	Shell-Thick	SLU-STATICA	5.0453	-4.6910	20.27	-8.58
854	Shell-Thick	SLU-STATICA	1.9986	-6.4680	20.27	-8.48
854	Shell-Thick	SLU-STATICA	2.8925	-5.7345	20.33	-8.48
854	Shell-Thick	SLU-SISMICA	10.2603	-6.7474	32.41	-7.68
854	Shell-Thick	SLU-SISMICA	9.0619	-7.3763	32.32	-7.68
854	Shell-Thick	SLU-SISMICA	4.2103	-10.3187	32.32	-7.51
854	Shell-Thick	SLU-SISMICA	5.3993	-9.6263	32.41	-7.51
854	Shell-Thick	SLE-RARA	4.2831	-2.8462	14.80	-6.55
854	Shell-Thick	SLE-RARA	3.6229	-3.4208	14.76	-6.55
854	Shell-Thick	SLE-RARA	1.4042	-4.7092	14.76	-6.47
854	Shell-Thick	SLE-RARA	2.0668	-4.1513	14.80	-6.47
854	Shell-Thick	SLE-FREQ.	3.8222	-2.5454	13.44	-6.46
854	Shell-Thick	SLE-FREQ.	3.2035	-3.1157	13.40	-6.46
854	Shell-Thick	SLE-FREQ.	1.1878	-4.2766	13.40	-6.39
854	Shell-Thick	SLE-FREQ.	1.8098	-3.7291	13.44	-6.39
854	Shell-Thick	SLE-QP	2.4394	-1.6429	9.37	-6.20
854	Shell-Thick	SLE-QP	1.9452	-2.2007	9.34	-6.20
854	Shell-Thick	SLE-QP	0.5387	-2.9789	9.34	-6.15
854	Shell-Thick	SLE-QP	1.0389	-2.4626	9.37	-6.15
855	Shell-Thick	SLU-STATICA	5.1603	-4.4827	20.18	-7.93
855	Shell-Thick	SLU-STATICA	4.6348	-5.0695	20.10	-7.93
855	Shell-Thick	SLU-STATICA	1.6269	-6.2576	20.10	-7.80
855	Shell-Thick	SLU-STATICA	2.1238	-5.4755	20.18	-7.80
855	Shell-Thick	SLU-SISMICA	9.1887	-7.4434	32.15	-6.41
855	Shell-Thick	SLU-SISMICA	8.5639	-7.7833	32.01	-6.41
855	Shell-Thick	SLU-SISMICA	3.7808	-9.6980	32.01	-6.17
855	Shell-Thick	SLU-SISMICA	4.3450	-8.9439	32.15	-6.17
855	Shell-Thick	SLE-RARA	3.7094	-3.2492	14.70	-6.09
855	Shell-Thick	SLE-RARA	3.3162	-3.7061	14.64	-6.09
855	Shell-Thick	SLE-RARA	1.1255	-4.5702	14.64	-5.99
855	Shell-Thick	SLE-RARA	1.4986	-3.9762	14.70	-5.99
855	Shell-Thick	SLE-FREQ.	3.2869	-2.9258	13.35	-6.06
855	Shell-Thick	SLE-FREQ.	2.9115	-3.3917	13.30	-6.06
855	Shell-Thick	SLE-FREQ.	0.9207	-4.1748	13.30	-5.98
855	Shell-Thick	SLE-FREQ.	1.2791	-3.5931	13.35	-5.98
855	Shell-Thick	SLE-QP	2.0193	-1.9555	9.31	-5.99
855	Shell-Thick	SLE-QP	1.6975	-2.4485	9.28	-5.99
855	Shell-Thick	SLE-QP	0.3064	-2.9885	9.28	-5.94
855	Shell-Thick	SLE-QP	0.6206	-2.4439	9.31	-5.94
856	Shell-Thick	SLU-STATICA	4.7413	-4.2614	20.17	-7.27
856	Shell-Thick	SLU-STATICA	3.9686	-4.9001	20.07	-7.27
856	Shell-Thick	SLU-STATICA	0.9481	-6.6545	20.07	-7.10
856	Shell-Thick	SLU-STATICA	1.7248	-6.0436	20.17	-7.10
856	Shell-Thick	SLU-SISMICA	8.6768	-6.8306	32.10	-5.16
856	Shell-Thick	SLU-SISMICA	7.6801	-7.2374	31.90	-5.16
856	Shell-Thick	SLU-SISMICA	2.8829	-10.0943	31.90	-4.83
856	Shell-Thick	SLU-SISMICA	3.8715	-9.6327	32.10	-4.83
856	Shell-Thick	SLE-RARA	3.3966	-3.1010	14.69	-5.61
856	Shell-Thick	SLE-RARA	2.8222	-3.5965	14.62	-5.61
856	Shell-Thick	SLE-RARA	0.6220	-4.8710	14.62	-5.49
856	Shell-Thick	SLE-RARA	1.2000	-4.4007	14.69	-5.49
856	Shell-Thick	SLE-FREQ.	2.9894	-2.8134	13.34	-5.65
856	Shell-Thick	SLE-FREQ.	2.4476	-3.3158	13.28	-5.65
856	Shell-Thick	SLE-FREQ.	0.4476	-4.4682	13.28	-5.54
856	Shell-Thick	SLE-FREQ.	0.9940	-3.9972	13.34	-5.54
856	Shell-Thick	SLE-QP	1.7679	-1.9506	9.32	-5.75
856	Shell-Thick	SLE-QP	1.3238	-2.4735	9.29	-5.75
856	Shell-Thick	SLE-QP	-0.0754	-3.2598	9.29	-5.70
856	Shell-Thick	SLE-QP	0.3760	-2.7868	9.32	-5.70
857	Shell-Thick	SLU-STATICA	4.0528	-4.7772	20.00	-6.50
857	Shell-Thick	SLU-STATICA	3.5662	-5.2657	19.88	-6.50
857	Shell-Thick	SLU-STATICA	0.5845	-6.4634	19.88	-6.29
857	Shell-Thick	SLU-STATICA	1.0513	-5.8397	20.00	-6.29
857	Shell-Thick	SLU-SISMICA	7.7559	-7.4303	31.77	-3.80
857	Shell-Thick	SLU-SISMICA	7.1981	-7.5810	31.52	-3.80
857	Shell-Thick	SLU-SISMICA	2.4739	-9.4880	31.52	-3.37
857	Shell-Thick	SLU-SISMICA	2.9844	-9.0150	31.77	-3.37
857	Shell-Thick	SLE-RARA	2.8865	-3.4877	14.57	-5.06
857	Shell-Thick	SLE-RARA	2.5213	-3.8746	14.48	-5.06

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857	Shell-Thick	SLE-RARA	0.3488	-4.7469	14.48	-4.91
857	Shell-Thick	SLE-RARA	0.7003	-4.2668	14.57	-4.91
857	Shell-Thick	SLE-FREQ.	2.5110	-3.1836	13.24	-5.16
857	Shell-Thick	SLE-FREQ.	2.1606	-3.5888	13.17	-5.16
857	Shell-Thick	SLE-FREQ.	0.1849	-4.3812	13.17	-5.03
857	Shell-Thick	SLE-FREQ.	0.5242	-3.9006	13.24	-5.03
857	Shell-Thick	SLE-QP	1.3845	-2.2715	9.26	-5.45
857	Shell-Thick	SLE-QP	1.0787	-2.7314	9.23	-5.45
857	Shell-Thick	SLE-QP	-0.3067	-3.2844	9.23	-5.38
857	Shell-Thick	SLE-QP	-0.0042	-2.8022	9.26	-5.38
858	Shell-Thick	SLU-STATICA	3.6403	-4.6049	19.94	-5.69
858	Shell-Thick	SLU-STATICA	2.9839	-5.1099	19.79	-5.69
858	Shell-Thick	SLU-STATICA	1.987E-05	-6.8242	19.79	-5.42
858	Shell-Thick	SLU-STATICA	0.6627	-6.3626	19.94	-5.42
858	Shell-Thick	SLU-SISMICA	7.2586	-6.8774	31.61	-2.43
858	Shell-Thick	SLU-SISMICA	6.4453	-7.0467	31.30	-2.43
858	Shell-Thick	SLU-SISMICA	1.7288	-9.7814	31.30	-1.89
858	Shell-Thick	SLU-SISMICA	2.5366	-9.5755	31.61	-1.89
858	Shell-Thick	SLE-RARA	2.5781	-3.3761	14.53	-4.47
858	Shell-Thick	SLE-RARA	2.0886	-3.7755	14.42	-4.47
858	Shell-Thick	SLE-RARA	-0.0861	-5.0236	14.42	-4.29
858	Shell-Thick	SLE-RARA	0.4088	-4.6611	14.53	-4.29
858	Shell-Thick	SLE-FREQ.	2.2172	-3.1061	13.21	-4.63
858	Shell-Thick	SLE-FREQ.	1.7526	-3.5232	13.12	-4.63
858	Shell-Thick	SLE-FREQ.	-0.2261	-4.6568	13.12	-4.47
858	Shell-Thick	SLE-FREQ.	0.2447	-4.2821	13.21	-4.47
858	Shell-Thick	SLE-QP	1.1344	-2.2961	9.26	-5.11
858	Shell-Thick	SLE-QP	0.7447	-2.7665	9.22	-5.11
858	Shell-Thick	SLE-QP	-0.6459	-3.5561	9.22	-5.03
858	Shell-Thick	SLE-QP	-0.2475	-3.1452	9.26	-5.03
859	Shell-Thick	SLU-STATICA	3.0364	-5.0604	19.74	-4.76
859	Shell-Thick	SLU-STATICA	2.5665	-5.4449	19.54	-4.76
859	Shell-Thick	SLU-STATICA	-0.3740	-6.6459	19.54	-4.43
859	Shell-Thick	SLU-STATICA	0.0835	-6.1938	19.74	-4.43
859	Shell-Thick	SLU-SISMICA	6.4710	-7.3415	31.20	-0.91
859	Shell-Thick	SLU-SISMICA	5.9441	-7.2883	30.80	-0.91
859	Shell-Thick	SLU-SISMICA	1.3125	-9.1594	30.80	-0.25
859	Shell-Thick	SLU-SISMICA	1.8005	-9.0000	31.20	-0.25
859	Shell-Thick	SLE-RARA	2.1297	-3.7208	14.39	-3.80
859	Shell-Thick	SLE-RARA	1.7765	-4.0340	14.24	-3.80
859	Shell-Thick	SLE-RARA	-0.3674	-4.9106	14.24	-3.56
859	Shell-Thick	SLE-RARA	-0.0223	-4.5534	14.39	-3.56
859	Shell-Thick	SLE-FREQ.	1.7949	-3.4416	13.09	-4.02
859	Shell-Thick	SLE-FREQ.	1.4551	-3.7830	12.97	-4.02
859	Shell-Thick	SLE-FREQ.	-0.4970	-4.5830	12.97	-3.82
859	Shell-Thick	SLE-FREQ.	-0.1628	-4.2106	13.09	-3.82
859	Shell-Thick	SLE-QP	0.7906	-2.6040	9.20	-4.69
859	Shell-Thick	SLE-QP	0.4910	-3.0302	9.14	-4.69
859	Shell-Thick	SLE-QP	-0.8856	-3.6001	9.14	-4.58
859	Shell-Thick	SLE-QP	-0.5845	-3.1819	9.20	-4.58
860	Shell-Thick	SLU-STATICA	2.6090	-4.9328	19.61	-3.24
860	Shell-Thick	SLU-STATICA	1.6811	-5.4522	19.08	-3.24
860	Shell-Thick	SLU-STATICA	-1.2381	-6.9781	19.08	-2.77
860	Shell-Thick	SLU-STATICA	-0.2808	-6.4794	19.61	-2.77
860	Shell-Thick	SLU-SISMICA	5.9394	-6.9390	30.88	1.42
860	Shell-Thick	SLU-SISMICA	4.8480	-6.6160	29.87	1.42
860	Shell-Thick	SLU-SISMICA	0.2966	-8.9410	29.87	2.32
860	Shell-Thick	SLU-SISMICA	1.3687	-9.2513	30.88	2.32
860	Shell-Thick	SLE-RARA	1.8110	-3.6378	14.30	-2.68
860	Shell-Thick	SLE-RARA	1.1161	-4.0734	13.92	-2.68
860	Shell-Thick	SLE-RARA	-1.0146	-5.1897	13.92	-2.35
860	Shell-Thick	SLE-RARA	-0.2949	-4.7716	14.30	-2.35
860	Shell-Thick	SLE-FREQ.	1.4927	-3.3833	13.02	-3.00
860	Shell-Thick	SLE-FREQ.	0.8283	-3.8773	12.69	-3.00
860	Shell-Thick	SLE-FREQ.	-1.1157	-4.9005	12.69	-2.71
860	Shell-Thick	SLE-FREQ.	-0.4232	-4.4262	13.02	-2.71
860	Shell-Thick	SLE-QP	0.5376	-2.6196	9.18	-3.95
860	Shell-Thick	SLE-QP	-0.0350	-3.2891	9.00	-3.95
860	Shell-Thick	SLE-QP	-1.4190	-4.0327	9.00	-3.79

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860	Shell-Thick	SLE-QP	-0.8081	-3.3898	9.18	-3.79
861	Shell-Thick	SLU-STATICA	1.6852	-5.4301	19.08	-1.45
861	Shell-Thick	SLU-STATICA	1.3490	-5.5368	18.74	-1.45
861	Shell-Thick	SLU-STATICA	-1.4895	-6.6421	18.74	-0.87
861	Shell-Thick	SLU-STATICA	-1.1516	-6.5474	19.08	-0.87
861	Shell-Thick	SLU-SISMICA	4.7884	-7.0197	29.84	4.01
861	Shell-Thick	SLU-SISMICA	4.4320	-6.5764	29.23	4.01
861	Shell-Thick	SLU-SISMICA	0.0077	-8.2216	29.23	5.08
861	Shell-Thick	SLU-SISMICA	0.3498	-8.5689	29.84	5.08
861	Shell-Thick	SLE-RARA	1.1224	-4.0354	13.92	-1.37
861	Shell-Thick	SLE-RARA	0.8686	-4.1436	13.68	-1.37
861	Shell-Thick	SLE-RARA	-1.2032	-4.9542	13.68	-0.95
861	Shell-Thick	SLE-RARA	-0.9474	-4.8605	13.92	-0.95
861	Shell-Thick	SLE-FREQ.	0.8397	-3.8052	12.69	-1.78
861	Shell-Thick	SLE-FREQ.	0.5938	-3.9560	12.48	-1.78
861	Shell-Thick	SLE-FREQ.	-1.2966	-4.7023	12.48	-1.42
861	Shell-Thick	SLE-FREQ.	-1.0475	-4.5745	12.69	-1.42
861	Shell-Thick	SLE-QP	-0.0084	-3.1148	9.01	-3.03
861	Shell-Thick	SLE-QP	-0.2306	-3.3932	8.89	-3.03
861	Shell-Thick	SLE-QP	-1.5767	-3.9464	8.89	-2.81
861	Shell-Thick	SLE-QP	-1.3476	-3.7166	9.01	-2.81
862	Shell-Thick	SLU-STATICA	1.3329	-5.2398	18.83	-7.184E-02
862	Shell-Thick	SLU-STATICA	0.9626	-5.2755	18.44	-7.184E-02
862	Shell-Thick	SLU-STATICA	-1.8421	-6.7618	18.44	0.61
862	Shell-Thick	SLU-STATICA	-1.4545	-6.8447	18.83	0.61
862	Shell-Thick	SLU-SISMICA	4.3610	-6.4061	29.35	5.90
862	Shell-Thick	SLU-SISMICA	3.9396	-5.8770	28.64	5.90
862	Shell-Thick	SLU-SISMICA	-0.4159	-8.1007	28.64	7.13
862	Shell-Thick	SLU-SISMICA	0.0162	-8.7046	29.35	7.13
862	Shell-Thick	SLE-RARA	0.8591	-3.9122	13.75	-0.35
862	Shell-Thick	SLE-RARA	0.5810	-3.9675	13.46	-0.35
862	Shell-Thick	SLE-RARA	-1.4669	-5.0569	13.46	0.14
862	Shell-Thick	SLE-RARA	-1.1754	-5.0938	13.75	0.14
862	Shell-Thick	SLE-FREQ.	0.5891	-3.7199	12.54	-0.83
862	Shell-Thick	SLE-FREQ.	0.3221	-3.8202	12.29	-0.83
862	Shell-Thick	SLE-FREQ.	-1.5479	-4.8222	12.29	-0.40
862	Shell-Thick	SLE-FREQ.	-1.2673	-4.8154	12.54	-0.40
862	Shell-Thick	SLE-QP	-0.2210	-3.1430	8.93	-2.28
862	Shell-Thick	SLE-QP	-0.4549	-3.3785	8.78	-2.28
862	Shell-Thick	SLE-QP	-1.7910	-4.1180	8.78	-2.01
862	Shell-Thick	SLE-QP	-1.5430	-3.9801	8.93	-2.01
863	Shell-Thick	SLU-STATICA	0.9215	-5.4883	18.44	1.47
863	Shell-Thick	SLU-STATICA	0.6728	-5.3668	17.98	1.47
863	Shell-Thick	SLU-STATICA	-2.0648	-6.3631	17.98	2.26
863	Shell-Thick	SLU-STATICA	-1.8044	-6.5658	18.44	2.26
863	Shell-Thick	SLU-SISMICA	3.8335	-6.4944	28.62	7.94
863	Shell-Thick	SLU-SISMICA	3.5760	-5.7494	27.82	7.94
863	Shell-Thick	SLU-SISMICA	-0.6585	-7.1756	27.82	9.33
863	Shell-Thick	SLU-SISMICA	-0.3996	-7.9327	28.62	9.33
863	Shell-Thick	SLE-RARA	0.5532	-4.1085	13.46	0.79
863	Shell-Thick	SLE-RARA	0.3652	-4.0476	13.13	0.79
863	Shell-Thick	SLE-RARA	-1.6346	-4.7811	13.13	1.36
863	Shell-Thick	SLE-RARA	-1.4373	-4.9070	13.46	1.36
863	Shell-Thick	SLE-FREQ.	0.3003	-3.9245	12.29	0.24
863	Shell-Thick	SLE-FREQ.	0.1176	-3.9164	12.00	0.24
863	Shell-Thick	SLE-FREQ.	-1.7099	-4.5964	12.00	0.75
863	Shell-Thick	SLE-FREQ.	-1.5173	-4.6737	12.29	0.75
863	Shell-Thick	SLE-QP	-0.4586	-3.3726	8.79	-1.42
863	Shell-Thick	SLE-QP	-0.6252	-3.5227	8.60	-1.42
863	Shell-Thick	SLE-QP	-1.9357	-4.0425	8.60	-1.10
863	Shell-Thick	SLE-QP	-1.7573	-3.9737	8.79	-1.10
864	Shell-Thick	SLU-STATICA	0.6167	-5.2227	18.08	3.15
864	Shell-Thick	SLU-STATICA	0.3780	-4.9887	17.55	3.15
864	Shell-Thick	SLU-STATICA	-2.3060	-6.2913	17.55	4.07
864	Shell-Thick	SLU-STATICA	-2.0442	-6.6848	18.08	4.07
864	Shell-Thick	SLU-SISMICA	3.4514	-5.7810	27.95	10.11
864	Shell-Thick	SLU-SISMICA	3.1882	-4.9024	27.05	10.11
864	Shell-Thick	SLU-SISMICA	-0.9481	-6.7838	27.05	11.68
864	Shell-Thick	SLU-SISMICA	-0.6651	-7.8004	27.95	11.68



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864	Shell-Thick	SLE-RARA	0.3261	-3.9296	13.21	2.04
864	Shell-Thick	SLE-RARA	0.1465	-3.7844	12.82	2.04
864	Shell-Thick	SLE-RARA	-1.8150	-4.7426	12.82	2.70
864	Shell-Thick	SLE-RARA	-1.6177	-5.0097	13.21	2.70
864	Shell-Thick	SLE-FREQ.	0.0851	-3.7869	12.07	1.42
864	Shell-Thick	SLE-FREQ.	-0.0881	-3.6982	11.72	1.42
864	Shell-Thick	SLE-FREQ.	-1.8819	-4.5852	11.72	2.01
864	Shell-Thick	SLE-FREQ.	-1.6911	-4.7945	12.07	2.01
864	Shell-Thick	SLE-QP	-0.6379	-3.3586	8.66	-0.45
864	Shell-Thick	SLE-QP	-0.7918	-3.4395	8.43	-0.45
864	Shell-Thick	SLE-QP	-2.0824	-4.1130	8.43	-6.600E-02
864	Shell-Thick	SLE-QP	-1.9115	-4.1490	8.66	-6.600E-02
865	Shell-Thick	SLU-STATICA	0.2957	-5.3070	17.57	5.00
865	Shell-Thick	SLU-STATICA	0.1542	-4.9047	16.97	5.00
865	Shell-Thick	SLU-STATICA	-2.4481	-5.7153	16.97	6.05
865	Shell-Thick	SLU-STATICA	-2.2839	-6.2740	17.57	6.05
865	Shell-Thick	SLU-SISMICA	3.0278	-5.6326	27.07	12.44
865	Shell-Thick	SLU-SISMICA	2.8856	-4.5390	26.06	12.44
865	Shell-Thick	SLU-SISMICA	-1.1092	-5.6345	26.06	14.19
865	Shell-Thick	SLU-SISMICA	-0.9485	-6.8575	27.07	14.19
865	Shell-Thick	SLE-RARA	0.0880	-4.0051	12.84	3.42
865	Shell-Thick	SLE-RARA	-0.0192	-3.7347	12.40	3.42
865	Shell-Thick	SLE-RARA	-1.9217	-4.3347	12.40	4.18
865	Shell-Thick	SLE-RARA	-1.7971	-4.7249	12.84	4.18
865	Shell-Thick	SLE-FREQ.	-0.1387	-3.8796	11.74	2.72
865	Shell-Thick	SLE-FREQ.	-0.2432	-3.6726	11.35	2.72
865	Shell-Thick	SLE-FREQ.	-1.9843	-4.2345	11.35	3.40
865	Shell-Thick	SLE-FREQ.	-1.8626	-4.5605	11.74	3.40
865	Shell-Thick	SLE-QP	-0.8188	-3.5031	8.45	0.63
865	Shell-Thick	SLE-QP	-0.9152	-3.4866	8.19	0.63
865	Shell-Thick	SLE-QP	-2.1723	-3.9338	8.19	1.09
865	Shell-Thick	SLE-QP	-2.0589	-4.0671	8.45	1.09
866	Shell-Thick	SLU-STATICA	0.0557	-4.9055	17.08	7.02
866	Shell-Thick	SLU-STATICA	-0.0417	-4.3484	16.40	7.02
866	Shell-Thick	SLU-STATICA	-2.5688	-5.4043	16.40	8.20
866	Shell-Thick	SLU-STATICA	-2.4409	-6.1714	17.08	8.20
866	Shell-Thick	SLU-SISMICA	2.7058	-4.7491	26.22	14.93
866	Shell-Thick	SLU-SISMICA	2.6021	-3.4753	25.10	14.93
866	Shell-Thick	SLU-SISMICA	-1.2639	-4.9298	25.10	16.86
866	Shell-Thick	SLU-SISMICA	-1.1288	-6.4213	26.22	16.86
866	Shell-Thick	SLE-RARA	-0.0898	-3.7249	12.49	4.93
866	Shell-Thick	SLE-RARA	-0.1633	-3.3385	11.99	4.93
866	Shell-Thick	SLE-RARA	-2.0115	-4.1186	11.99	5.78
866	Shell-Thick	SLE-RARA	-1.9150	-4.6638	12.49	5.78
866	Shell-Thick	SLE-FREQ.	-0.3054	-3.6459	11.43	4.15
866	Shell-Thick	SLE-FREQ.	-0.3766	-3.3279	10.98	4.15
866	Shell-Thick	SLE-FREQ.	-2.0691	-4.0561	10.98	4.93
866	Shell-Thick	SLE-FREQ.	-1.9756	-4.5283	11.43	4.93
866	Shell-Thick	SLE-QP	-0.9521	-3.4089	8.25	1.84
866	Shell-Thick	SLE-QP	-1.0163	-3.2962	7.95	1.84
866	Shell-Thick	SLE-QP	-2.2421	-3.8684	7.95	2.37
866	Shell-Thick	SLE-QP	-2.1574	-4.1217	8.25	2.37
867	Shell-Thick	SLU-STATICA	-0.1677	-4.7878	16.45	9.22
867	Shell-Thick	SLU-STATICA	-0.1784	-4.0477	15.68	9.22
867	Shell-Thick	SLU-STATICA	-2.6060	-4.5745	15.68	10.55
867	Shell-Thick	SLU-STATICA	-2.5606	-5.5540	16.45	10.55
867	Shell-Thick	SLU-SISMICA	2.3856	-4.3354	25.16	17.58
867	Shell-Thick	SLU-SISMICA	2.3817	-2.8430	23.93	17.58
867	Shell-Thick	SLU-SISMICA	-1.3193	-3.4705	23.93	19.71
867	Shell-Thick	SLU-SISMICA	-1.2780	-5.2225	25.16	19.71
867	Shell-Thick	SLE-RARA	-0.2543	-3.6504	12.03	6.57
867	Shell-Thick	SLE-RARA	-0.2627	-3.1271	11.47	6.57
867	Shell-Thick	SLE-RARA	-2.0388	-3.5212	11.47	7.53
867	Shell-Thick	SLE-RARA	-2.0042	-4.2250	12.03	7.53
867	Shell-Thick	SLE-FREQ.	-0.4579	-3.5976	11.02	5.72
867	Shell-Thick	SLE-FREQ.	-0.4666	-3.1491	10.51	5.72
867	Shell-Thick	SLE-FREQ.	-2.0943	-3.5251	10.51	6.60
867	Shell-Thick	SLE-FREQ.	-2.0602	-4.1480	11.02	6.60
867	Shell-Thick	SLE-QP	-1.0686	-3.4391	7.98	3.17



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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

867	Shell-Thick	SLE-QP	-1.0784	-3.2148	7.63	3.17
867	Shell-Thick	SLE-QP	-2.2607	-3.5369	7.63	3.78
867	Shell-Thick	SLE-QP	-2.2282	-3.9173	7.98	3.78
868	Shell-Thick	SLU-STATICA	-0.3214	-4.1781	15.82	11.61
868	Shell-Thick	SLU-STATICA	-0.2608	-3.2397	14.97	11.61
868	Shell-Thick	SLU-STATICA	-2.5904	-3.9784	14.97	13.08
868	Shell-Thick	SLU-STATICA	-2.6117	-5.1877	15.82	13.08
868	Shell-Thick	SLU-SISMICA	2.1449	-3.2018	24.12	20.42
868	Shell-Thick	SLU-SISMICA	2.2142	-1.4813	22.78	20.42
868	Shell-Thick	SLU-SISMICA	-1.3268	-2.4191	22.78	22.74
868	Shell-Thick	SLU-SISMICA	-1.3509	-4.4530	24.12	22.74
868	Shell-Thick	SLE-RARA	-0.3664	-3.2146	11.57	8.36
868	Shell-Thick	SLE-RARA	-0.3209	-2.5424	10.95	8.36
868	Shell-Thick	SLE-RARA	-2.0258	-3.0922	10.95	9.43
868	Shell-Thick	SLE-RARA	-2.0418	-3.9675	11.57	9.43
868	Shell-Thick	SLE-FREQ.	-0.5601	-3.2155	10.61	7.43
868	Shell-Thick	SLE-FREQ.	-0.5164	-2.6242	10.04	7.43
868	Shell-Thick	SLE-FREQ.	-2.0796	-3.1441	10.04	8.40
868	Shell-Thick	SLE-FREQ.	-2.0951	-3.9301	10.61	8.40
868	Shell-Thick	SLE-QP	-1.1410	-3.2185	7.70	4.64
868	Shell-Thick	SLE-QP	-1.1029	-2.8697	7.31	4.64
868	Shell-Thick	SLE-QP	-2.2413	-3.2998	7.31	5.32
868	Shell-Thick	SLE-QP	-2.2549	-3.8177	7.70	5.32
869	Shell-Thick	SLU-STATICA	-0.4325	-3.8184	15.04	14.19
869	Shell-Thick	SLU-STATICA	-0.2896	-2.6797	14.10	14.19
869	Shell-Thick	SLU-STATICA	-2.4999	-2.8065	14.10	15.82
869	Shell-Thick	SLU-STATICA	-2.5944	-4.2786	15.04	15.82
869	Shell-Thick	SLU-SISMICA	1.9394	-2.4973	22.87	23.43
869	Shell-Thick	SLU-SISMICA	2.0970	-0.5518	21.40	23.43
869	Shell-Thick	SLU-SISMICA	-1.2535	-0.5539	21.40	25.96
869	Shell-Thick	SLU-SISMICA	-1.3524	-2.9052	22.87	25.96
869	Shell-Thick	SLE-RARA	-0.4459	-2.9591	11.01	10.29
869	Shell-Thick	SLE-RARA	-0.3383	-2.1365	10.32	10.29
869	Shell-Thick	SLE-RARA	-1.9564	-2.2388	10.32	11.48
869	Shell-Thick	SLE-RARA	-2.0278	-3.3104	11.01	11.48
869	Shell-Thick	SLE-FREQ.	-0.6298	-2.9948	10.09	9.28
869	Shell-Thick	SLE-FREQ.	-0.5261	-2.2588	9.47	9.28
869	Shell-Thick	SLE-FREQ.	-2.0106	-2.3688	9.47	10.36
869	Shell-Thick	SLE-FREQ.	-2.0798	-3.3417	10.09	10.36
869	Shell-Thick	SLE-QP	-1.1816	-3.1016	7.35	6.24
869	Shell-Thick	SLE-QP	-1.0895	-2.6254	6.90	6.24
869	Shell-Thick	SLE-QP	-2.1732	-2.7585	6.90	7.01
869	Shell-Thick	SLE-QP	-2.2361	-3.4354	7.35	7.01
870	Shell-Thick	SLU-STATICA	-0.4786	-2.9168	14.27	16.99
870	Shell-Thick	SLU-STATICA	-0.2357	-1.5326	13.24	16.99
870	Shell-Thick	SLU-STATICA	-2.3247	-1.8797	13.24	18.76
870	Shell-Thick	SLU-STATICA	-2.5181	-3.6053	14.27	18.76
870	Shell-Thick	SLU-SISMICA	1.8012	-1.0242	21.64	26.65
870	Shell-Thick	SLU-SISMICA	2.0704	1.2004	20.07	26.65
870	Shell-Thick	SLU-SISMICA	-1.0894	0.8702	20.07	29.37
870	Shell-Thick	SLU-SISMICA	-1.2972	-1.7785	21.64	29.37
870	Shell-Thick	SLE-RARA	-0.4762	-2.3045	10.45	12.39
870	Shell-Thick	SLE-RARA	-0.2935	-1.2975	9.70	12.39
870	Shell-Thick	SLE-RARA	-1.8230	-1.5613	9.70	13.69
870	Shell-Thick	SLE-RARA	-1.9688	-2.8228	10.45	13.69
870	Shell-Thick	SLE-FREQ.	-0.6518	-2.4032	9.58	11.29
870	Shell-Thick	SLE-FREQ.	-0.4757	-1.4901	8.90	11.29
870	Shell-Thick	SLE-FREQ.	-1.8796	-1.7488	8.90	12.48
870	Shell-Thick	SLE-FREQ.	-2.0206	-2.9034	9.58	12.48
870	Shell-Thick	SLE-QP	-1.1787	-2.6994	6.99	7.99
870	Shell-Thick	SLE-QP	-1.0226	-2.0679	6.50	7.99
870	Shell-Thick	SLE-QP	-2.0493	-2.3113	6.50	8.85
870	Shell-Thick	SLE-QP	-2.1760	-3.1450	6.99	8.85
871	Shell-Thick	SLU-STATICA	-0.4541	-2.2680	13.34	19.99
871	Shell-Thick	SLU-STATICA	-0.1385	-0.6651	12.22	19.99
871	Shell-Thick	SLU-STATICA	-2.0875	-0.2655	12.22	21.92
871	Shell-Thick	SLU-STATICA	-2.3392	-2.3090	13.34	21.92
871	Shell-Thick	SLU-SISMICA	1.7350	-0.0015	20.19	30.06
871	Shell-Thick	SLU-SISMICA	2.0750	2.4550	18.49	30.06

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871	Shell-Thick	SLU-SISMICA	-0.8678	3.2458	18.49	32.99
871	Shell-Thick	SLU-SISMICA	-1.1249	0.2175	20.19	32.99
871	Shell-Thick	SLE-RARA	-0.4531	-1.8314	9.76	14.65
871	Shell-Thick	SLE-RARA	-0.2152	-0.6594	8.95	14.65
871	Shell-Thick	SLE-RARA	-1.6426	-0.3761	8.95	16.06
871	Shell-Thick	SLE-RARA	-1.8330	-1.8754	9.76	16.06
871	Shell-Thick	SLE-FREQ.	-0.6219	-1.9725	8.96	13.46
871	Shell-Thick	SLE-FREQ.	-0.3918	-0.8995	8.21	13.46
871	Shell-Thick	SLE-FREQ.	-1.7023	-0.6554	8.21	14.75
871	Shell-Thick	SLE-FREQ.	-1.8876	-2.0368	8.96	14.75
871	Shell-Thick	SLE-QP	-1.1281	-2.3958	6.55	9.89
871	Shell-Thick	SLE-QP	-0.9216	-1.6200	6.00	9.89
871	Shell-Thick	SLE-QP	-1.8816	-1.4933	6.00	10.84
871	Shell-Thick	SLE-QP	-2.0514	-2.5210	6.55	10.84
872	Shell-Thick	SLU-STATICA	-0.3518	-0.8920	12.42	23.04
872	Shell-Thick	SLU-STATICA	0.0370	0.7062	11.38	23.04
872	Shell-Thick	SLU-STATICA	-1.7633	0.7930	11.38	25.08
872	Shell-Thick	SLU-STATICA	-2.1228	-1.2812	12.42	25.08
872	Shell-Thick	SLU-SISMICA	1.7503	2.0353	18.78	33.48
872	Shell-Thick	SLU-SISMICA	2.1849	4.3991	17.21	33.48
872	Shell-Thick	SLU-SISMICA	-0.5339	4.7100	17.21	36.56
872	Shell-Thick	SLU-SISMICA	-0.9305	1.7283	18.78	36.56
872	Shell-Thick	SLE-RARA	-0.3713	-0.8217	9.09	16.93
872	Shell-Thick	SLE-RARA	-0.0790	0.3511	8.34	16.93
872	Shell-Thick	SLE-RARA	-1.3974	0.4058	8.34	18.43
872	Shell-Thick	SLE-RARA	-1.6679	-1.1207	9.09	18.43
872	Shell-Thick	SLE-FREQ.	-0.5349	-1.0420	8.35	15.66
872	Shell-Thick	SLE-FREQ.	-0.2535	0.0390	7.65	15.66
872	Shell-Thick	SLE-FREQ.	-1.4639	0.0739	7.65	17.03
872	Shell-Thick	SLE-FREQ.	-1.7248	-1.3404	8.35	17.03
872	Shell-Thick	SLE-QP	-1.0257	-1.7030	6.11	11.83
872	Shell-Thick	SLE-QP	-0.7772	-0.8975	5.60	11.83
872	Shell-Thick	SLE-QP	-1.6637	-0.9219	5.60	12.84
872	Shell-Thick	SLE-QP	-1.8954	-1.9995	6.11	12.84
873	Shell-Thick	SLU-STATICA	9.6531	-5.0751	20.40	-11.96
873	Shell-Thick	SLU-STATICA	9.0915	-5.8004	19.79	-11.96
873	Shell-Thick	SLU-STATICA	6.1161	-6.7565	19.79	-10.92
873	Shell-Thick	SLU-STATICA	6.5984	-5.4912	20.40	-10.92
873	Shell-Thick	SLU-SISMICA	15.2211	-9.5558	31.07	-17.10
873	Shell-Thick	SLU-SISMICA	14.4006	-10.5292	30.51	-17.10
873	Shell-Thick	SLU-SISMICA	9.8501	-11.7995	30.51	-16.12
873	Shell-Thick	SLU-SISMICA	10.5323	-9.8828	31.07	-16.12
873	Shell-Thick	SLE-RARA	7.0371	-3.6224	14.92	-8.81
873	Shell-Thick	SLE-RARA	6.6244	-4.1596	14.46	-8.81
873	Shell-Thick	SLE-RARA	4.4484	-4.8684	14.46	-8.01
873	Shell-Thick	SLE-RARA	4.8039	-3.9421	14.92	-8.01
873	Shell-Thick	SLE-FREQ.	6.4060	-3.1648	13.68	-8.17
873	Shell-Thick	SLE-FREQ.	6.0248	-3.6684	13.23	-8.17
873	Shell-Thick	SLE-FREQ.	4.0318	-4.3339	13.23	-7.39
873	Shell-Thick	SLE-FREQ.	4.3621	-3.4840	13.68	-7.39
873	Shell-Thick	SLE-QP	4.5127	-1.7922	9.94	-6.25
873	Shell-Thick	SLE-QP	4.2258	-2.1949	9.51	-6.25
873	Shell-Thick	SLE-QP	2.7822	-2.7305	9.51	-5.51
873	Shell-Thick	SLE-QP	3.0369	-2.1096	9.94	-5.51
874	Shell-Thick	SLU-STATICA	9.2827	-4.4411	19.88	-11.60
874	Shell-Thick	SLU-STATICA	7.9010	-5.4266	19.67	-11.60
874	Shell-Thick	SLU-STATICA	4.9352	-7.1694	19.67	-11.24
874	Shell-Thick	SLU-STATICA	6.3144	-6.1679	19.88	-11.24
874	Shell-Thick	SLU-SISMICA	14.7022	-8.3738	30.65	-15.87
874	Shell-Thick	SLU-SISMICA	12.5307	-9.7273	30.61	-15.87
874	Shell-Thick	SLU-SISMICA	7.9389	-12.5825	30.61	-15.80
874	Shell-Thick	SLU-SISMICA	10.1034	-11.1805	30.65	-15.80
874	Shell-Thick	SLE-RARA	6.7638	-3.1693	14.53	-8.58
874	Shell-Thick	SLE-RARA	5.7562	-3.8977	14.36	-8.58
874	Shell-Thick	SLE-RARA	3.5899	-5.1628	14.36	-8.29
874	Shell-Thick	SLE-RARA	4.5959	-4.4240	14.53	-8.29
874	Shell-Thick	SLE-FREQ.	6.1517	-2.7679	13.28	-8.02
874	Shell-Thick	SLE-FREQ.	5.2338	-3.4481	13.11	-8.02
874	Shell-Thick	SLE-FREQ.	3.2545	-4.5907	13.11	-7.71

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874	Shell-Thick	SLE-FREQ.	4.1712	-3.9029	13.28	-7.71
874	Shell-Thick	SLE-QP	4.3152	-1.5639	9.55	-6.33
874	Shell-Thick	SLE-QP	3.6666	-2.0995	9.35	-6.33
874	Shell-Thick	SLE-QP	2.2484	-2.8742	9.35	-5.97
874	Shell-Thick	SLE-QP	2.8971	-2.3399	9.55	-5.97
875	Shell-Thick	SLU-STATICA	8.0890	-5.0488	19.53	-11.27
875	Shell-Thick	SLU-STATICA	7.5337	-5.7788	19.27	-11.27
875	Shell-Thick	SLU-STATICA	4.6566	-6.7525	19.27	-10.81
875	Shell-Thick	SLU-STATICA	5.1443	-5.5613	19.53	-10.81
875	Shell-Thick	SLU-SISMICA	12.8152	-9.4587	30.33	-14.71
875	Shell-Thick	SLU-SISMICA	12.0461	-10.3190	30.18	-14.71
875	Shell-Thick	SLU-SISMICA	7.5664	-11.7202	30.18	-14.45
875	Shell-Thick	SLU-SISMICA	8.2159	-10.0436	30.33	-14.45
875	Shell-Thick	SLE-RARA	5.8939	-3.6059	14.26	-8.37
875	Shell-Thick	SLE-RARA	5.4837	-4.1526	14.06	-8.37
875	Shell-Thick	SLE-RARA	3.3835	-4.8691	14.06	-8.01
875	Shell-Thick	SLE-RARA	3.7450	-3.9907	14.26	-8.01
875	Shell-Thick	SLE-FREQ.	5.3601	-3.1546	13.03	-7.88
875	Shell-Thick	SLE-FREQ.	4.9777	-3.6771	12.81	-7.88
875	Shell-Thick	SLE-FREQ.	3.0609	-4.3408	12.81	-7.51
875	Shell-Thick	SLE-FREQ.	3.4002	-3.5239	13.03	-7.51
875	Shell-Thick	SLE-QP	3.7590	-1.8006	9.31	-6.42
875	Shell-Thick	SLE-QP	3.4595	-2.2505	9.08	-6.42
875	Shell-Thick	SLE-QP	2.0933	-2.7559	9.08	-6.02
875	Shell-Thick	SLE-QP	2.3659	-2.1236	9.31	-6.02
876	Shell-Thick	SLU-STATICA	7.7188	-4.5136	19.34	-10.96
876	Shell-Thick	SLU-STATICA	6.4850	-5.4467	19.13	-10.96
876	Shell-Thick	SLU-STATICA	3.5995	-7.1571	19.13	-10.60
876	Shell-Thick	SLU-STATICA	4.8320	-6.2152	19.34	-10.60
876	Shell-Thick	SLU-SISMICA	12.3215	-8.4066	30.29	-13.64
876	Shell-Thick	SLU-SISMICA	10.4670	-9.5569	30.19	-13.64
876	Shell-Thick	SLU-SISMICA	5.9335	-12.3959	30.19	-13.46
876	Shell-Thick	SLU-SISMICA	7.7797	-11.1892	30.29	-13.46
876	Shell-Thick	SLE-RARA	5.6195	-3.2262	14.11	-8.17
876	Shell-Thick	SLE-RARA	4.7155	-3.9224	13.95	-8.17
876	Shell-Thick	SLE-RARA	2.6112	-5.1622	13.95	-7.89
876	Shell-Thick	SLE-RARA	3.5145	-4.4617	14.11	-7.89
876	Shell-Thick	SLE-FREQ.	5.1027	-2.8267	12.86	-7.75
876	Shell-Thick	SLE-FREQ.	4.2720	-3.4879	12.69	-7.75
876	Shell-Thick	SLE-FREQ.	2.3550	-4.6044	12.69	-7.46
876	Shell-Thick	SLE-FREQ.	3.1856	-3.9429	12.86	-7.46
876	Shell-Thick	SLE-QP	3.5523	-1.6282	9.12	-6.48
876	Shell-Thick	SLE-QP	2.9415	-2.1844	8.93	-6.48
876	Shell-Thick	SLE-QP	1.5865	-2.9310	8.93	-6.17
876	Shell-Thick	SLE-QP	2.1989	-2.3866	9.12	-6.17
877	Shell-Thick	SLU-STATICA	6.6529	-5.1159	19.01	-10.53
877	Shell-Thick	SLU-STATICA	6.1146	-5.8243	18.81	-10.53
877	Shell-Thick	SLU-STATICA	3.3054	-6.8057	18.81	-10.20
877	Shell-Thick	SLU-STATICA	3.7870	-5.7108	19.01	-10.20
877	Shell-Thick	SLU-SISMICA	10.7063	-9.3881	29.95	-12.43
877	Shell-Thick	SLU-SISMICA	10.0008	-10.1120	29.83	-12.43
877	Shell-Thick	SLU-SISMICA	5.5672	-11.6049	29.83	-12.23
877	Shell-Thick	SLU-SISMICA	6.1705	-10.1834	29.95	-12.23
877	Shell-Thick	SLE-RARA	4.8392	-3.6636	13.86	-7.89
877	Shell-Thick	SLE-RARA	4.4397	-4.1997	13.71	-7.89
877	Shell-Thick	SLE-RARA	2.3919	-4.9178	13.71	-7.62
877	Shell-Thick	SLE-RARA	2.7508	-4.1045	13.86	-7.62
877	Shell-Thick	SLE-FREQ.	4.3868	-3.2222	12.62	-7.54
877	Shell-Thick	SLE-FREQ.	4.0108	-3.7438	12.46	-7.54
877	Shell-Thick	SLE-FREQ.	2.1471	-4.4022	12.46	-7.27
877	Shell-Thick	SLE-FREQ.	2.4871	-3.6357	12.62	-7.27
877	Shell-Thick	SLE-QP	3.0295	-1.8979	8.90	-6.49
877	Shell-Thick	SLE-QP	2.7243	-2.3760	8.73	-6.49
877	Shell-Thick	SLE-QP	1.4125	-2.8552	8.73	-6.20
877	Shell-Thick	SLE-QP	1.6960	-2.2294	8.90	-6.20
878	Shell-Thick	SLU-STATICA	6.2798	-4.6738	18.89	-10.14
878	Shell-Thick	SLU-STATICA	5.1913	-5.5421	18.71	-10.14
878	Shell-Thick	SLU-STATICA	2.3707	-7.2312	18.71	-9.84
878	Shell-Thick	SLU-STATICA	3.4590	-6.3621	18.89	-9.84

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878	Shell-Thick	SLU-SISMICA	10.2321	-8.4615	29.94	-11.32
878	Shell-Thick	SLU-SISMICA	8.6684	-9.4077	29.83	-11.32
878	Shell-Thick	SLU-SISMICA	4.1889	-12.2219	29.83	-11.12
878	Shell-Thick	SLU-SISMICA	5.7438	-11.2159	29.94	-11.12
878	Shell-Thick	SLE-RARA	4.5615	-3.3528	13.76	-7.62
878	Shell-Thick	SLE-RARA	3.7604	-4.0069	13.63	-7.62
878	Shell-Thick	SLE-RARA	1.7058	-5.2307	13.63	-7.39
878	Shell-Thick	SLE-RARA	2.5072	-4.5790	13.76	-7.39
878	Shell-Thick	SLE-FREQ.	4.1243	-2.9589	12.51	-7.34
878	Shell-Thick	SLE-FREQ.	3.3819	-3.5904	12.38	-7.34
878	Shell-Thick	SLE-FREQ.	1.5143	-4.6916	12.38	-7.10
878	Shell-Thick	SLE-FREQ.	2.2576	-4.0672	12.51	-7.10
878	Shell-Thick	SLE-QP	2.8125	-1.7770	8.77	-6.48
878	Shell-Thick	SLE-QP	2.2465	-2.3410	8.63	-6.48
878	Shell-Thick	SLE-QP	0.9399	-3.0743	8.63	-6.24
878	Shell-Thick	SLE-QP	1.5089	-2.5318	8.77	-6.24
879	Shell-Thick	SLU-STATICA	5.3367	-5.2737	18.60	-9.62
879	Shell-Thick	SLU-STATICA	4.8260	-5.9410	18.44	-9.62
879	Shell-Thick	SLU-STATICA	2.0700	-6.9355	18.44	-9.34
879	Shell-Thick	SLU-STATICA	2.5346	-5.9532	18.60	-9.34
879	Shell-Thick	SLU-SISMICA	8.8615	-9.3508	29.61	-10.07
879	Shell-Thick	SLU-SISMICA	8.2294	-9.9245	29.48	-10.07
879	Shell-Thick	SLU-SISMICA	3.8388	-11.4915	29.48	-9.85
879	Shell-Thick	SLU-SISMICA	4.3852	-10.3320	29.61	-9.85
879	Shell-Thick	SLE-RARA	3.8682	-3.7930	13.55	-7.27
879	Shell-Thick	SLE-RARA	3.4873	-4.3033	13.42	-7.27
879	Shell-Thick	SLE-RARA	1.4804	-5.0283	13.42	-7.05
879	Shell-Thick	SLE-RARA	1.8283	-4.2928	13.55	-7.05
879	Shell-Thick	SLE-FREQ.	3.4831	-3.3644	12.31	-7.05
879	Shell-Thick	SLE-FREQ.	3.1216	-3.8698	12.18	-7.05
879	Shell-Thick	SLE-FREQ.	1.2985	-4.5299	12.18	-6.83
879	Shell-Thick	SLE-FREQ.	1.6312	-3.8271	12.31	-6.83
879	Shell-Thick	SLE-QP	2.3280	-2.0787	8.59	-6.40
879	Shell-Thick	SLE-QP	2.0245	-2.5694	8.47	-6.40
879	Shell-Thick	SLE-QP	0.7529	-3.0347	8.47	-6.19
879	Shell-Thick	SLE-QP	1.0397	-2.4300	8.59	-6.19
880	Shell-Thick	SLU-STATICA	4.9666	-4.9182	18.51	-9.12
880	Shell-Thick	SLU-STATICA	4.0203	-5.7039	18.36	-9.12
880	Shell-Thick	SLU-STATICA	1.2539	-7.3743	18.36	-8.85
880	Shell-Thick	SLU-STATICA	2.2015	-6.5976	18.51	-8.85
880	Shell-Thick	SLU-SISMICA	8.4125	-8.5400	29.59	-8.89
880	Shell-Thick	SLU-SISMICA	7.1149	-9.2735	29.44	-8.89
880	Shell-Thick	SLU-SISMICA	2.6907	-12.0465	29.44	-8.64
880	Shell-Thick	SLU-SISMICA	3.9798	-11.2555	29.59	-8.64
880	Shell-Thick	SLE-RARA	3.5917	-3.5463	13.47	-6.92
880	Shell-Thick	SLE-RARA	2.8921	-4.1442	13.36	-6.92
880	Shell-Thick	SLE-RARA	0.8786	-5.3550	13.36	-6.71
880	Shell-Thick	SLE-RARA	1.5796	-4.7671	13.47	-6.71
880	Shell-Thick	SLE-FREQ.	3.2200	-3.1612	12.23	-6.77
880	Shell-Thick	SLE-FREQ.	2.5665	-3.7487	12.12	-6.77
880	Shell-Thick	SLE-FREQ.	0.7388	-4.8390	12.12	-6.57
880	Shell-Thick	SLE-FREQ.	1.3945	-4.2668	12.23	-6.57
880	Shell-Thick	SLE-QP	2.1047	-2.0060	8.50	-6.31
880	Shell-Thick	SLE-QP	1.5896	-2.5621	8.39	-6.31
880	Shell-Thick	SLE-QP	0.3196	-3.2911	8.39	-6.12
880	Shell-Thick	SLE-QP	0.8392	-2.7658	8.50	-6.12
881	Shell-Thick	SLU-STATICA	4.1399	-5.5077	18.26	-8.49
881	Shell-Thick	SLU-STATICA	3.6646	-6.1120	18.10	-8.49
881	Shell-Thick	SLU-STATICA	0.9547	-7.1216	18.10	-8.22
881	Shell-Thick	SLU-STATICA	1.3940	-6.2717	18.26	-8.22
881	Shell-Thick	SLU-SISMICA	7.2599	-9.3336	29.26	-7.57
881	Shell-Thick	SLU-SISMICA	6.7052	-9.7403	29.08	-7.57
881	Shell-Thick	SLU-SISMICA	2.3636	-11.3595	29.08	-7.28
881	Shell-Thick	SLU-SISMICA	2.8482	-10.4743	29.26	-7.28
881	Shell-Thick	SLE-RARA	2.9815	-3.9828	13.29	-6.48
881	Shell-Thick	SLE-RARA	2.6253	-4.4506	13.17	-6.48
881	Shell-Thick	SLE-RARA	0.6532	-5.1852	13.17	-6.28
881	Shell-Thick	SLE-RARA	0.9839	-4.5429	13.29	-6.28
881	Shell-Thick	SLE-FREQ.	2.6516	-3.5702	12.06	-6.40

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881	Shell-Thick	SLE-FREQ.	2.3107	-4.0426	11.94	-6.40
881	Shell-Thick	SLE-FREQ.	0.5213	-4.7090	11.94	-6.20
881	Shell-Thick	SLE-FREQ.	0.8401	-4.0855	12.06	-6.20
881	Shell-Thick	SLE-QP	1.6619	-2.3323	8.36	-6.15
881	Shell-Thick	SLE-QP	1.3669	-2.8189	8.26	-6.15
881	Shell-Thick	SLE-QP	0.1257	-3.2807	8.26	-5.97
881	Shell-Thick	SLE-QP	0.4088	-2.7133	8.36	-5.97
882	Shell-Thick	SLU-STATICA	3.7776	-5.2256	18.17	-7.86
882	Shell-Thick	SLU-STATICA	2.9710	-5.9079	18.01	-7.86
882	Shell-Thick	SLU-STATICA	0.2547	-7.5557	18.01	-7.58
882	Shell-Thick	SLU-STATICA	1.0644	-6.8950	18.17	-7.58
882	Shell-Thick	SLU-SISMICA	6.8382	-8.6172	29.18	-6.29
882	Shell-Thick	SLU-SISMICA	5.7850	-9.1252	28.98	-6.29
882	Shell-Thick	SLU-SISMICA	1.4250	-11.8349	28.98	-5.94
882	Shell-Thick	SLU-SISMICA	2.4712	-11.2793	29.18	-5.94
882	Shell-Thick	SLE-RARA	2.7099	-3.7907	13.22	-6.03
882	Shell-Thick	SLE-RARA	2.1110	-4.3163	13.10	-6.03
882	Shell-Thick	SLE-RARA	0.1347	-5.5120	13.10	-5.82
882	Shell-Thick	SLE-RARA	0.7364	-5.0062	13.22	-5.82
882	Shell-Thick	SLE-FREQ.	2.3916	-3.4185	11.99	-6.01
882	Shell-Thick	SLE-FREQ.	1.8277	-3.9455	11.88	-6.01
882	Shell-Thick	SLE-FREQ.	0.0352	-5.0245	11.88	-5.82
882	Shell-Thick	SLE-FREQ.	0.6026	-4.5225	11.99	-5.82
882	Shell-Thick	SLE-QP	1.4365	-2.3019	8.30	-5.95
882	Shell-Thick	SLE-QP	0.9777	-2.8330	8.20	-5.95
882	Shell-Thick	SLE-QP	-0.2634	-3.5617	8.20	-5.79
882	Shell-Thick	SLE-QP	0.2013	-3.0712	8.30	-5.79
883	Shell-Thick	SLU-STATICA	3.0623	-5.7888	17.93	-7.11
883	Shell-Thick	SLU-STATICA	2.6293	-6.3055	17.76	-7.11
883	Shell-Thick	SLU-STATICA	-0.0353	-7.3274	17.76	-6.81
883	Shell-Thick	SLU-STATICA	0.3716	-6.6332	17.93	-6.81
883	Shell-Thick	SLU-SISMICA	5.8809	-9.3007	28.82	-4.88
883	Shell-Thick	SLU-SISMICA	5.4050	-9.5200	28.58	-4.88
883	Shell-Thick	SLU-SISMICA	1.1257	-11.1647	28.58	-4.46
883	Shell-Thick	SLU-SISMICA	1.5468	-10.5714	28.82	-4.46
883	Shell-Thick	SLE-RARA	2.1800	-4.2115	13.05	-5.50
883	Shell-Thick	SLE-RARA	1.8540	-4.6178	12.92	-5.50
883	Shell-Thick	SLE-RARA	-0.0846	-5.3610	12.92	-5.28
883	Shell-Thick	SLE-RARA	0.2231	-4.8300	13.05	-5.28
883	Shell-Thick	SLE-FREQ.	1.8946	-3.8190	11.83	-5.55
883	Shell-Thick	SLE-FREQ.	1.5802	-4.2397	11.71	-5.55
883	Shell-Thick	SLE-FREQ.	-0.1779	-4.9135	11.71	-5.34
883	Shell-Thick	SLE-FREQ.	0.1210	-4.3873	11.83	-5.34
883	Shell-Thick	SLE-QP	1.0384	-2.6416	8.18	-5.69
883	Shell-Thick	SLE-QP	0.7587	-3.1056	8.09	-5.69
883	Shell-Thick	SLE-QP	-0.4579	-3.5709	8.09	-5.53
883	Shell-Thick	SLE-QP	-0.1852	-3.0591	8.18	-5.53
884	Shell-Thick	SLU-STATICA	2.7122	-5.5620	17.83	-6.32
884	Shell-Thick	SLU-STATICA	2.0434	-6.1171	17.64	-6.32
884	Shell-Thick	SLU-STATICA	-0.6209	-7.7295	17.64	-6.00
884	Shell-Thick	SLU-STATICA	0.0534	-7.2129	17.83	-6.00
884	Shell-Thick	SLU-SISMICA	5.4874	-8.6499	28.68	-3.47
884	Shell-Thick	SLU-SISMICA	4.6592	-8.9155	28.40	-3.47
884	Shell-Thick	SLU-SISMICA	0.3792	-11.5303	28.40	-2.97
884	Shell-Thick	SLU-SISMICA	1.2031	-11.2360	28.68	-2.97
884	Shell-Thick	SLE-RARA	1.9169	-4.0607	12.97	-4.93
884	Shell-Thick	SLE-RARA	1.4180	-4.4958	12.83	-4.93
884	Shell-Thick	SLE-RARA	-0.5203	-5.6676	12.83	-4.69
884	Shell-Thick	SLE-RARA	-0.0168	-5.2650	12.97	-4.69
884	Shell-Thick	SLE-FREQ.	1.6415	-3.7068	11.76	-5.05
884	Shell-Thick	SLE-FREQ.	1.1681	-4.1549	11.63	-5.05
884	Shell-Thick	SLE-FREQ.	-0.5896	-5.2155	11.63	-4.83
884	Shell-Thick	SLE-FREQ.	-0.1108	-4.8046	11.76	-4.83
884	Shell-Thick	SLE-QP	0.8155	-2.6452	8.13	-5.39
884	Shell-Thick	SLE-QP	0.4183	-3.1325	8.03	-5.39
884	Shell-Thick	SLE-QP	-0.7977	-3.8592	8.03	-5.23
884	Shell-Thick	SLE-QP	-0.3930	-3.4233	8.13	-5.23
885	Shell-Thick	SLU-STATICA	2.1042	-6.0764	17.58	-5.43
885	Shell-Thick	SLU-STATICA	1.7218	-6.4777	17.37	-5.43

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885	Shell-Thick	SLU-STATICA	-0.8922	-7.5021	17.37	-5.06
885	Shell-Thick	SLU-STATICA	-0.5259	-6.9914	17.58	-5.06
885	Shell-Thick	SLU-SISMICA	4.7056	-9.1994	28.27	-1.93
885	Shell-Thick	SLU-SISMICA	4.3110	-9.2072	27.94	-1.93
885	Shell-Thick	SLU-SISMICA	0.1139	-10.8434	27.94	-1.35
885	Shell-Thick	SLU-SISMICA	0.4689	-10.5658	28.27	-1.35
885	Shell-Thick	SLE-RARA	1.4648	-4.4487	12.79	-4.29
885	Shell-Thick	SLE-RARA	1.1757	-4.7724	12.64	-4.29
885	Shell-Thick	SLE-RARA	-0.7262	-5.5182	12.64	-4.02
885	Shell-Thick	SLE-RARA	-0.4481	-5.1195	12.79	-4.02
885	Shell-Thick	SLE-FREQ.	1.2149	-4.0824	11.60	-4.47
885	Shell-Thick	SLE-FREQ.	0.9339	-4.4305	11.46	-4.47
885	Shell-Thick	SLE-FREQ.	-0.7909	-5.1075	11.46	-4.22
885	Shell-Thick	SLE-FREQ.	-0.5188	-4.6995	11.60	-4.22
885	Shell-Thick	SLE-QP	0.4652	-2.9834	8.01	-5.01
885	Shell-Thick	SLE-QP	0.2086	-3.4045	7.92	-5.01
885	Shell-Thick	SLE-QP	-0.9853	-3.8756	7.92	-4.84
885	Shell-Thick	SLE-QP	-0.7309	-3.4396	8.01	-4.84
886	Shell-Thick	SLU-STATICA	1.7733	-5.8838	17.45	-4.45
886	Shell-Thick	SLU-STATICA	1.2278	-6.2976	17.19	-4.45
886	Shell-Thick	SLU-STATICA	-1.3762	-7.8393	17.19	-4.03
886	Shell-Thick	SLU-STATICA	-0.8206	-7.4810	17.45	-4.03
886	Shell-Thick	SLU-SISMICA	4.3431	-8.5871	28.04	-0.33
886	Shell-Thick	SLU-SISMICA	3.7103	-8.5842	27.62	-0.33
886	Shell-Thick	SLU-SISMICA	-0.4654	-11.0386	27.62	0.36
886	Shell-Thick	SLU-SISMICA	0.1666	-11.0390	28.04	0.36
886	Shell-Thick	SLE-RARA	1.2157	-4.3237	12.69	-3.57
886	Shell-Thick	SLE-RARA	0.8066	-4.6580	12.51	-3.57
886	Shell-Thick	SLE-RARA	-1.0882	-5.7807	12.51	-3.27
886	Shell-Thick	SLE-RARA	-0.6710	-5.4914	12.69	-3.27
886	Shell-Thick	SLE-FREQ.	0.9745	-3.9949	11.51	-3.82
886	Shell-Thick	SLE-FREQ.	0.5827	-4.3552	11.34	-3.82
886	Shell-Thick	SLE-FREQ.	-1.1362	-5.3753	11.34	-3.55
886	Shell-Thick	SLE-FREQ.	-0.7356	-5.0636	11.51	-3.55
886	Shell-Thick	SLE-QP	0.2510	-3.0086	7.96	-4.58
886	Shell-Thick	SLE-QP	-0.0890	-3.4469	7.85	-4.58
886	Shell-Thick	SLE-QP	-1.2802	-4.1589	7.85	-4.39
886	Shell-Thick	SLE-QP	-0.9294	-3.7802	7.96	-4.39
887	Shell-Thick	SLU-STATICA	1.2610	-6.1776	17.18	-2.78
887	Shell-Thick	SLU-STATICA	0.6013	-6.6037	16.59	-2.78
887	Shell-Thick	SLU-STATICA	-1.9345	-7.7100	16.59	-2.25
887	Shell-Thick	SLU-STATICA	-1.2744	-7.2845	17.18	-2.25
887	Shell-Thick	SLU-SISMICA	3.7004	-8.8290	27.58	2.26
887	Shell-Thick	SLU-SISMICA	3.0257	-8.3511	26.57	2.26
887	Shell-Thick	SLU-SISMICA	-1.0103	-10.0511	26.57	3.14
887	Shell-Thick	SLU-SISMICA	-0.3945	-10.4888	27.58	3.14
887	Shell-Thick	SLE-RARA	0.8339	-4.5489	12.50	-2.35
887	Shell-Thick	SLE-RARA	0.3348	-4.9168	12.07	-2.35
887	Shell-Thick	SLE-RARA	-1.5119	-5.7255	12.07	-1.97
887	Shell-Thick	SLE-RARA	-1.0095	-5.3601	12.50	-1.97
887	Shell-Thick	SLE-FREQ.	0.6129	-4.2188	11.34	-2.71
887	Shell-Thick	SLE-FREQ.	0.1273	-4.6520	10.95	-2.71
887	Shell-Thick	SLE-FREQ.	-1.5505	-5.3919	10.95	-2.37
887	Shell-Thick	SLE-FREQ.	-1.0569	-4.9646	11.34	-2.37
887	Shell-Thick	SLE-QP	-0.0502	-3.2287	7.85	-3.78
887	Shell-Thick	SLE-QP	-0.4952	-3.8575	7.60	-3.78
887	Shell-Thick	SLE-QP	-1.6666	-4.3913	7.60	-3.55
887	Shell-Thick	SLE-QP	-1.1992	-3.7781	7.85	-3.55
888	Shell-Thick	SLU-STATICA	0.6069	-6.1900	16.68	-0.86
888	Shell-Thick	SLU-STATICA	0.2642	-6.2970	16.32	-0.86
888	Shell-Thick	SLU-STATICA	-2.2202	-7.7152	16.32	-0.25
888	Shell-Thick	SLU-STATICA	-1.8605	-7.7255	16.68	-0.25
888	Shell-Thick	SLU-SISMICA	2.9780	-8.0918	26.69	5.04
888	Shell-Thick	SLU-SISMICA	2.6201	-7.6505	26.09	5.04
888	Shell-Thick	SLU-SISMICA	-1.3454	-9.8475	26.09	6.08
888	Shell-Thick	SLU-SISMICA	-0.9753	-10.3737	26.69	6.08
888	Shell-Thick	SLE-RARA	0.3417	-4.5957	12.14	-0.95
888	Shell-Thick	SLE-RARA	0.0828	-4.7040	11.88	-0.95
888	Shell-Thick	SLE-RARA	-1.7259	-5.7398	11.88	-0.50

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888	Shell-Thick	SLE-RARA	-1.4538	-5.7220	12.14	-0.50
888	Shell-Thick	SLE-FREQ.	0.1384	-4.3261	11.02	-1.41
888	Shell-Thick	SLE-FREQ.	-0.1129	-4.4768	10.79	-1.41
888	Shell-Thick	SLE-FREQ.	-1.7553	-5.4231	10.79	-1.01
888	Shell-Thick	SLE-FREQ.	-1.4907	-5.3633	11.02	-1.01
888	Shell-Thick	SLE-QP	-0.4714	-3.5173	7.65	-2.79
888	Shell-Thick	SLE-QP	-0.6998	-3.7952	7.50	-2.79
888	Shell-Thick	SLE-QP	-1.8433	-4.4728	7.50	-2.53
888	Shell-Thick	SLE-QP	-1.6015	-4.2871	7.65	-2.53
889	Shell-Thick	SLU-STATICA	0.2407	-6.4727	16.31	0.64
889	Shell-Thick	SLU-STATICA	0.0470	-6.4169	15.91	0.64
889	Shell-Thick	SLU-STATICA	-2.3748	-7.3025	15.91	1.33
889	Shell-Thick	SLU-STATICA	-2.1725	-7.4183	16.31	1.33
889	Shell-Thick	SLU-SISMICA	2.5429	-8.2065	26.05	7.12
889	Shell-Thick	SLU-SISMICA	2.3927	-7.5317	25.38	7.12
889	Shell-Thick	SLU-SISMICA	-1.4647	-8.8663	25.38	8.28
889	Shell-Thick	SLU-SISMICA	-1.3163	-9.5316	26.05	8.28
889	Shell-Thick	SLE-RARA	0.0677	-4.8182	11.88	0.16
889	Shell-Thick	SLE-RARA	-0.0812	-4.8068	11.59	0.16
889	Shell-Thick	SLE-RARA	-1.8448	-5.4555	11.59	0.66
889	Shell-Thick	SLE-RARA	-1.6888	-5.5158	11.88	0.66
889	Shell-Thick	SLE-FREQ.	-0.1232	-4.5569	10.78	-0.38
889	Shell-Thick	SLE-FREQ.	-0.2720	-4.5967	10.52	-0.38
889	Shell-Thick	SLE-FREQ.	-1.8741	-5.1924	10.52	7.504E-02
889	Shell-Thick	SLE-FREQ.	-1.7176	-5.2061	10.78	7.504E-02
889	Shell-Thick	SLE-QP	-0.6958	-3.7730	7.50	-1.99
889	Shell-Thick	SLE-QP	-0.8443	-3.9663	7.33	-1.99
889	Shell-Thick	SLE-QP	-1.9620	-4.4034	7.33	-1.69
889	Shell-Thick	SLE-QP	-1.8038	-4.2771	7.50	-1.69
890	Shell-Thick	SLU-STATICA	0.0107	-6.1732	16.01	2.28
890	Shell-Thick	SLU-STATICA	-0.1982	-6.0194	15.56	2.28
890	Shell-Thick	SLU-STATICA	-2.5780	-7.2730	15.56	3.07
890	Shell-Thick	SLU-STATICA	-2.3462	-7.5852	16.01	3.07
890	Shell-Thick	SLU-SISMICA	2.2993	-7.4047	25.52	9.32
890	Shell-Thick	SLU-SISMICA	2.1094	-6.6103	24.76	9.32
890	Shell-Thick	SLU-SISMICA	-1.6729	-8.5040	24.76	10.64
890	Shell-Thick	SLU-SISMICA	-1.4618	-9.4457	25.52	10.64
890	Shell-Thick	SLE-RARA	-0.1059	-4.6163	11.66	1.38
890	Shell-Thick	SLE-RARA	-0.2651	-4.5317	11.33	1.38
890	Shell-Thick	SLE-RARA	-1.9985	-5.4497	11.33	1.95
890	Shell-Thick	SLE-RARA	-1.8218	-5.6549	11.66	1.95
890	Shell-Thick	SLE-FREQ.	-0.2914	-4.4013	10.59	0.77
890	Shell-Thick	SLE-FREQ.	-0.4482	-4.3714	10.29	0.77
890	Shell-Thick	SLE-FREQ.	-2.0237	-5.2142	10.29	1.28
890	Shell-Thick	SLE-FREQ.	-1.8496	-5.3626	10.59	1.28
890	Shell-Thick	SLE-QP	-0.8478	-3.7562	7.39	-1.07
890	Shell-Thick	SLE-QP	-0.9976	-3.8905	7.19	-1.07
890	Shell-Thick	SLE-QP	-2.0990	-4.5076	7.19	-0.73
890	Shell-Thick	SLE-QP	-1.9329	-4.4856	7.39	-0.73
891	Shell-Thick	SLU-STATICA	-0.2587	-6.2775	15.57	4.11
891	Shell-Thick	SLU-STATICA	-0.3554	-5.9515	15.06	4.11
891	Shell-Thick	SLU-STATICA	-2.6632	-6.6936	15.06	4.99
891	Shell-Thick	SLU-STATICA	-2.5463	-7.1588	15.57	4.99
891	Shell-Thick	SLU-SISMICA	1.9822	-7.2509	24.76	11.69
891	Shell-Thick	SLU-SISMICA	1.9382	-6.2266	23.91	11.69
891	Shell-Thick	SLU-SISMICA	-1.7214	-7.3045	23.91	13.15
891	Shell-Thick	SLU-SISMICA	-1.6613	-8.4417	24.76	13.15
891	Shell-Thick	SLE-RARA	-0.3076	-4.7082	11.34	2.73
891	Shell-Thick	SLE-RARA	-0.3836	-4.4959	10.97	2.73
891	Shell-Thick	SLE-RARA	-2.0649	-5.0416	10.97	3.37
891	Shell-Thick	SLE-RARA	-1.9735	-5.3605	11.34	3.37
891	Shell-Thick	SLE-FREQ.	-0.4842	-4.5121	10.31	2.04
891	Shell-Thick	SLE-FREQ.	-0.5626	-4.3625	9.97	2.04
891	Shell-Thick	SLE-FREQ.	-2.0914	-4.8671	9.97	2.62
891	Shell-Thick	SLE-FREQ.	-1.9976	-5.1229	10.31	2.62
891	Shell-Thick	SLE-QP	-1.0139	-3.9239	7.20	-3.167E-02
891	Shell-Thick	SLE-QP	-1.0998	-3.9621	6.98	-3.167E-02
891	Shell-Thick	SLE-QP	-2.1709	-4.3435	6.98	0.36
891	Shell-Thick	SLE-QP	-2.0698	-4.4101	7.20	0.36



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892	Shell-Thick	SLU-STATICA	-0.4295	-5.8485	15.17	6.09
892	Shell-Thick	SLU-STATICA	-0.4996	-5.3803	14.60	6.09
892	Shell-Thick	SLU-STATICA	-2.7479	-6.4104	14.60	7.08
892	Shell-Thick	SLU-STATICA	-2.6474	-7.0882	15.17	7.08
892	Shell-Thick	SLU-SISMICA	1.7944	-6.2811	24.07	14.21
892	Shell-Thick	SLU-SISMICA	1.7665	-5.0873	23.13	14.21
892	Shell-Thick	SLU-SISMICA	-1.7913	-6.5949	23.13	15.84
892	Shell-Thick	SLU-SISMICA	-1.7306	-8.0150	24.07	15.84
892	Shell-Thick	SLE-RARA	-0.4363	-4.4100	11.05	4.21
892	Shell-Thick	SLE-RARA	-0.4914	-4.0914	10.63	4.21
892	Shell-Thick	SLE-RARA	-2.1298	-4.8482	10.63	4.93
892	Shell-Thick	SLE-RARA	-2.0517	-5.3248	11.05	4.93
892	Shell-Thick	SLE-FREQ.	-0.6083	-4.2657	10.05	3.44
892	Shell-Thick	SLE-FREQ.	-0.6655	-4.0146	9.67	3.44
892	Shell-Thick	SLE-FREQ.	-2.1559	-4.7135	9.67	4.09
892	Shell-Thick	SLE-FREQ.	-2.0765	-5.1174	10.05	4.09
892	Shell-Thick	SLE-QP	-1.1243	-3.8329	7.04	1.12
892	Shell-Thick	SLE-QP	-1.1879	-3.7842	6.78	1.12
892	Shell-Thick	SLE-QP	-2.2343	-4.3095	6.78	1.57
892	Shell-Thick	SLE-QP	-2.1508	-4.4950	7.04	1.57
893	Shell-Thick	SLU-STATICA	-0.5986	-5.7316	14.63	8.26
893	Shell-Thick	SLU-STATICA	-0.5778	-5.0774	13.99	8.26
893	Shell-Thick	SLU-STATICA	-2.7417	-5.5859	13.99	9.36
893	Shell-Thick	SLU-STATICA	-2.7299	-6.4648	14.63	9.36
893	Shell-Thick	SLU-SISMICA	1.5885	-5.8233	23.17	16.91
893	Shell-Thick	SLU-SISMICA	1.6692	-4.3977	22.14	16.91
893	Shell-Thick	SLU-SISMICA	-1.7480	-5.0869	22.14	18.69
893	Shell-Thick	SLU-SISMICA	-1.7932	-6.7583	23.17	18.69
893	Shell-Thick	SLE-RARA	-0.5626	-4.3384	10.66	5.83
893	Shell-Thick	SLE-RARA	-0.5498	-3.8812	10.20	5.83
893	Shell-Thick	SLE-RARA	-2.1270	-4.2575	10.20	6.63
893	Shell-Thick	SLE-RARA	-2.1152	-4.8840	10.66	6.63
893	Shell-Thick	SLE-FREQ.	-0.7284	-4.2239	9.70	4.97
893	Shell-Thick	SLE-FREQ.	-0.7209	-3.8414	9.28	4.97
893	Shell-Thick	SLE-FREQ.	-2.1562	-4.1935	9.28	5.70
893	Shell-Thick	SLE-FREQ.	-2.1401	-4.7394	9.70	5.70
893	Shell-Thick	SLE-QP	-1.2261	-3.8804	6.80	2.41
893	Shell-Thick	SLE-QP	-1.2342	-3.7219	6.51	2.41
893	Shell-Thick	SLE-QP	-2.2439	-4.0016	6.51	2.91
893	Shell-Thick	SLE-QP	-2.2146	-4.3058	6.80	2.91
894	Shell-Thick	SLU-STATICA	-0.6912	-5.0986	14.12	10.61
894	Shell-Thick	SLU-STATICA	-0.6159	-4.2579	13.42	10.61
894	Shell-Thick	SLU-STATICA	-2.7016	-4.9987	13.42	11.84
894	Shell-Thick	SLU-STATICA	-2.7375	-6.1105	14.12	11.84
894	Shell-Thick	SLU-SISMICA	1.4741	-4.6008	22.32	19.77
894	Shell-Thick	SLU-SISMICA	1.6059	-2.9568	21.19	19.77
894	Shell-Thick	SLU-SISMICA	-1.6820	-3.9887	21.19	21.73
894	Shell-Thick	SLU-SISMICA	-1.7671	-5.9549	22.32	21.73
894	Shell-Thick	SLE-RARA	-0.6316	-3.8882	10.29	7.58
894	Shell-Thick	SLE-RARA	-0.5773	-3.2912	9.78	7.58
894	Shell-Thick	SLE-RARA	-2.0979	-3.8380	9.78	8.48
894	Shell-Thick	SLE-RARA	-2.1227	-4.6379	10.29	8.48
894	Shell-Thick	SLE-FREQ.	-0.7940	-3.8333	9.37	6.64
894	Shell-Thick	SLE-FREQ.	-0.7457	-3.3170	8.90	6.64
894	Shell-Thick	SLE-FREQ.	-2.1300	-3.8264	8.90	7.45
894	Shell-Thick	SLE-FREQ.	-2.1501	-4.5363	9.37	7.45
894	Shell-Thick	SLE-QP	-1.2811	-3.6684	6.58	3.82
894	Shell-Thick	SLE-QP	-1.2508	-3.3943	6.26	3.82
894	Shell-Thick	SLE-QP	-2.2262	-3.7915	6.26	4.39
894	Shell-Thick	SLE-QP	-2.2323	-4.2316	6.58	4.39
895	Shell-Thick	SLU-STATICA	-0.7552	-4.7198	13.48	13.16
895	Shell-Thick	SLU-STATICA	-0.5979	-3.6764	12.69	13.16
895	Shell-Thick	SLU-STATICA	-2.5844	-3.8390	12.69	14.51
895	Shell-Thick	SLU-STATICA	-2.6953	-5.2019	13.48	14.51
895	Shell-Thick	SLU-SISMICA	1.3756	-3.8117	21.27	22.82
895	Shell-Thick	SLU-SISMICA	1.5981	-1.9302	20.03	22.82
895	Shell-Thick	SLU-SISMICA	-1.5285	-2.0713	20.03	24.96
895	Shell-Thick	SLU-SISMICA	-1.6940	-4.3457	21.27	24.96
895	Shell-Thick	SLE-RARA	-0.6784	-3.6216	9.82	9.49



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895	Shell-Thick	SLE-RARA	-0.5625	-2.8727	9.25	9.49
895	Shell-Thick	SLE-RARA	-2.0109	-2.9970	9.25	10.47
895	Shell-Thick	SLE-RARA	-2.0922	-3.9843	9.82	10.47
895	Shell-Thick	SLE-FREQ.	-0.8368	-3.6070	8.94	8.46
895	Shell-Thick	SLE-FREQ.	-0.7291	-2.9454	8.42	8.46
895	Shell-Thick	SLE-FREQ.	-2.0480	-3.0684	8.42	9.35
895	Shell-Thick	SLE-FREQ.	-2.1229	-3.9565	8.94	9.35
895	Shell-Thick	SLE-QP	-1.3120	-3.5630	6.29	5.37
895	Shell-Thick	SLE-QP	-1.2289	-3.1635	5.93	5.37
895	Shell-Thick	SLE-QP	-2.1596	-3.2825	5.93	6.00
895	Shell-Thick	SLE-QP	-2.2150	-3.8729	6.29	6.00
896	Shell-Thick	SLU-STATICA	-0.7519	-3.7982	12.85	15.90
896	Shell-Thick	SLU-STATICA	-0.5169	-2.5217	12.00	15.90
896	Shell-Thick	SLU-STATICA	-2.4059	-2.9022	12.00	17.38
896	Shell-Thick	SLU-STATICA	-2.5911	-4.5211	12.85	17.38
896	Shell-Thick	SLU-SISMICA	1.3501	-2.2439	20.25	26.06
896	Shell-Thick	SLU-SISMICA	1.6535	-0.0933	18.92	26.06
896	Shell-Thick	SLU-SISMICA	-1.3164	-0.5560	18.92	28.37
896	Shell-Thick	SLU-SISMICA	-1.5570	-3.1402	20.25	28.37
896	Shell-Thick	SLE-RARA	-0.6745	-2.9555	9.37	11.55
896	Shell-Thick	SLE-RARA	-0.4998	-2.0318	8.75	11.55
896	Shell-Thick	SLE-RARA	-1.8773	-2.3160	8.75	12.62
896	Shell-Thick	SLE-RARA	-2.0149	-3.4946	9.37	12.62
896	Shell-Thick	SLE-FREQ.	-0.8306	-3.0104	8.53	10.43
896	Shell-Thick	SLE-FREQ.	-0.6659	-2.1813	7.96	10.43
896	Shell-Thick	SLE-FREQ.	-1.9205	-2.4517	7.96	11.41
896	Shell-Thick	SLE-FREQ.	-2.0502	-3.5219	8.53	11.41
896	Shell-Thick	SLE-QP	-1.2989	-3.1750	6.01	7.07
896	Shell-Thick	SLE-QP	-1.1640	-2.6297	5.61	7.07
896	Shell-Thick	SLE-QP	-2.0503	-2.8588	5.61	7.76
896	Shell-Thick	SLE-QP	-2.1562	-3.6039	6.01	7.76
897	Shell-Thick	SLU-STATICA	-0.6980	-3.1154	12.08	18.86
897	Shell-Thick	SLU-STATICA	-0.3872	-1.6180	11.15	18.86
897	Shell-Thick	SLU-STATICA	-2.1605	-1.3080	11.15	20.47
897	Shell-Thick	SLU-STATICA	-2.4094	-3.2314	12.08	20.47
897	Shell-Thick	SLU-SISMICA	1.3685	-1.1012	19.02	29.49
897	Shell-Thick	SLU-SISMICA	1.7498	1.2938	17.58	29.49
897	Shell-Thick	SLU-SISMICA	-1.0364	1.8779	17.58	31.99
897	Shell-Thick	SLU-SISMICA	-1.3367	-1.0748	19.02	31.99
897	Shell-Thick	SLE-RARA	-0.6319	-2.4610	8.81	13.76
897	Shell-Thick	SLE-RARA	-0.3999	-1.3711	8.13	13.76
897	Shell-Thick	SLE-RARA	-1.6931	-1.1498	8.13	14.93
897	Shell-Thick	SLE-RARA	-1.8791	-2.5560	8.81	14.93
897	Shell-Thick	SLE-FREQ.	-0.7861	-2.5659	8.02	12.55
897	Shell-Thick	SLE-FREQ.	-0.5657	-1.5766	7.40	12.55
897	Shell-Thick	SLE-FREQ.	-1.7438	-1.3833	7.40	13.62
897	Shell-Thick	SLE-FREQ.	-1.9209	-2.6702	8.02	13.62
897	Shell-Thick	SLE-QP	-1.2489	-2.8805	5.65	8.91
897	Shell-Thick	SLE-QP	-1.0630	-2.1931	5.21	8.91
897	Shell-Thick	SLE-QP	-1.8957	-2.0837	5.21	9.67
897	Shell-Thick	SLE-QP	-2.0464	-3.0129	5.65	9.67
898	Shell-Thick	SLU-STATICA	-0.5828	-1.8097	11.34	22.04
898	Shell-Thick	SLU-STATICA	-0.1643	-0.0288	10.34	22.04
898	Shell-Thick	SLU-STATICA	-1.8212	0.0203	10.34	23.76
898	Shell-Thick	SLU-STATICA	-2.1783	-2.1831	11.34	23.76
898	Shell-Thick	SLU-SISMICA	1.4465	0.9112	17.85	33.13
898	Shell-Thick	SLU-SISMICA	1.9507	3.6301	16.31	33.13
898	Shell-Thick	SLU-SISMICA	-0.6524	3.8256	16.31	35.80
898	Shell-Thick	SLU-SISMICA	-1.0756	0.5482	17.85	35.80
898	Shell-Thick	SLE-RARA	-0.5427	-1.5068	8.27	16.15
898	Shell-Thick	SLE-RARA	-0.2298	-0.2041	7.54	16.15
898	Shell-Thick	SLE-RARA	-1.4382	-0.1742	7.54	17.41
898	Shell-Thick	SLE-RARA	-1.7055	-1.7903	8.27	17.41
898	Shell-Thick	SLE-FREQ.	-0.6961	-1.6933	7.53	14.84
898	Shell-Thick	SLE-FREQ.	-0.3980	-0.4998	6.86	14.84
898	Shell-Thick	SLE-FREQ.	-1.4988	-0.4827	6.86	15.99
898	Shell-Thick	SLE-FREQ.	-1.7541	-1.9706	7.53	15.99
898	Shell-Thick	SLE-QP	-1.1563	-2.2527	5.31	10.91
898	Shell-Thick	SLE-QP	-0.9025	-1.3868	4.83	10.91

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898	Shell-Thick	SLE-QP	-1.6806	-1.4080	4.83	11.73
898	Shell-Thick	SLE-QP	-1.8998	-2.5115	5.31	11.73
899	Shell-Thick	SLU-STATICA	-0.3656	-0.7277	10.42	25.22
899	Shell-Thick	SLU-STATICA	0.0270	0.9491	9.49	25.22
899	Shell-Thick	SLU-STATICA	-1.4859	1.9356	9.49	27.06
899	Shell-Thick	SLU-STATICA	-1.8392	-0.3772	10.42	27.06
899	Shell-Thick	SLU-SISMICA	1.6408	2.4996	16.42	36.73
899	Shell-Thick	SLU-SISMICA	2.0933	4.9783	14.98	36.73
899	Shell-Thick	SLU-SISMICA	-0.2891	6.5725	14.98	39.56
899	Shell-Thick	SLU-SISMICA	-0.6881	3.2282	16.42	39.56
899	Shell-Thick	SLE-RARA	-0.3770	-0.7122	7.60	18.53
899	Shell-Thick	SLE-RARA	-0.0825	0.5184	6.91	18.53
899	Shell-Thick	SLE-RARA	-1.1855	1.2356	6.91	19.88
899	Shell-Thick	SLE-RARA	-1.4510	-0.4655	7.60	19.88
899	Shell-Thick	SLE-FREQ.	-0.5326	-0.9599	6.92	17.13
899	Shell-Thick	SLE-FREQ.	-0.2502	0.1745	6.29	17.13
899	Shell-Thick	SLE-FREQ.	-1.2547	0.8241	6.29	18.36
899	Shell-Thick	SLE-FREQ.	-1.5098	-0.7503	6.92	18.36
899	Shell-Thick	SLE-QP	-0.9994	-1.7029	4.88	12.92
899	Shell-Thick	SLE-QP	-0.7536	-0.8572	4.42	12.92
899	Shell-Thick	SLE-QP	-1.4620	-0.4105	4.42	13.81
899	Shell-Thick	SLE-QP	-1.6863	-1.6048	4.88	13.81
900	Shell-Thick	SLU-STATICA	7.2874	-6.0528	19.01	-11.30
900	Shell-Thick	SLU-STATICA	6.8331	-6.7103	18.30	-11.30
900	Shell-Thick	SLU-STATICA	4.0743	-7.5128	18.30	-10.09
900	Shell-Thick	SLU-STATICA	4.4484	-6.3096	19.01	-10.09
900	Shell-Thick	SLU-SISMICA	11.3480	-11.0502	28.71	-15.90
900	Shell-Thick	SLU-SISMICA	10.7016	-11.9114	28.04	-15.90
900	Shell-Thick	SLU-SISMICA	6.5130	-12.8886	28.04	-14.74
900	Shell-Thick	SLU-SISMICA	7.0210	-11.0842	28.71	-14.74
900	Shell-Thick	SLE-RARA	5.3196	-4.3375	13.92	-8.33
900	Shell-Thick	SLE-RARA	4.9850	-4.8255	13.38	-8.33
900	Shell-Thick	SLE-RARA	2.9657	-5.4249	13.38	-7.41
900	Shell-Thick	SLE-RARA	3.2425	-4.5431	13.92	-7.41
900	Shell-Thick	SLE-FREQ.	4.8548	-3.8198	12.78	-7.75
900	Shell-Thick	SLE-FREQ.	4.5442	-4.2791	12.25	-7.75
900	Shell-Thick	SLE-FREQ.	2.6922	-4.8494	12.25	-6.85
900	Shell-Thick	SLE-FREQ.	2.9511	-4.0387	12.78	-6.85
900	Shell-Thick	SLE-QP	3.4602	-2.2669	9.35	-6.00
900	Shell-Thick	SLE-QP	3.2217	-2.6399	8.86	-6.00
900	Shell-Thick	SLE-QP	1.8715	-3.1227	8.86	-5.15
900	Shell-Thick	SLE-QP	2.0770	-2.5255	9.35	-5.15
901	Shell-Thick	SLU-STATICA	7.0025	-5.4059	18.40	-10.96
901	Shell-Thick	SLU-STATICA	5.6935	-6.3289	18.11	-10.96
901	Shell-Thick	SLU-STATICA	2.9558	-7.9708	18.11	-10.45
901	Shell-Thick	SLU-STATICA	4.2622	-7.0311	18.40	-10.45
901	Shell-Thick	SLU-SISMICA	10.9691	-9.8472	28.20	-14.70
901	Shell-Thick	SLU-SISMICA	8.9395	-11.0913	28.06	-14.70
901	Shell-Thick	SLU-SISMICA	4.7227	-13.7471	28.06	-14.45
901	Shell-Thick	SLU-SISMICA	6.7451	-12.4549	28.20	-14.45
901	Shell-Thick	SLE-RARA	5.1084	-3.8750	13.46	-8.12
901	Shell-Thick	SLE-RARA	4.1525	-4.5583	13.22	-8.12
901	Shell-Thick	SLE-RARA	2.1517	-5.7520	13.22	-7.72
901	Shell-Thick	SLE-RARA	3.1059	-5.0575	13.46	-7.72
901	Shell-Thick	SLE-FREQ.	4.6565	-3.4144	12.32	-7.61
901	Shell-Thick	SLE-FREQ.	3.7833	-4.0546	12.08	-7.61
901	Shell-Thick	SLE-FREQ.	1.9534	-5.1354	12.08	-7.20
901	Shell-Thick	SLE-FREQ.	2.8253	-4.4870	12.32	-7.20
901	Shell-Thick	SLE-QP	3.3007	-2.0328	8.91	-6.09
901	Shell-Thick	SLE-QP	2.6759	-2.5432	8.65	-6.09
901	Shell-Thick	SLE-QP	1.3587	-3.2859	8.65	-5.64
901	Shell-Thick	SLE-QP	1.9834	-2.7757	8.91	-5.64
902	Shell-Thick	SLU-STATICA	5.8581	-6.0690	17.97	-10.64
902	Shell-Thick	SLU-STATICA	5.4070	-6.7367	17.62	-10.64
902	Shell-Thick	SLU-STATICA	2.7713	-7.5449	17.62	-10.03
902	Shell-Thick	SLU-STATICA	3.1545	-6.4141	17.97	-10.03
902	Shell-Thick	SLU-SISMICA	9.1878	-11.0091	27.78	-13.54
902	Shell-Thick	SLU-SISMICA	8.5867	-11.7638	27.53	-13.54
902	Shell-Thick	SLU-SISMICA	4.4968	-12.8683	27.53	-13.11

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902	Shell-Thick	SLU-SISMICA	4.9793	-11.3047	27.78	-13.11
902	Shell-Thick	SLE-RARA	4.2730	-4.3526	13.13	-7.92
902	Shell-Thick	SLE-RARA	3.9387	-4.8542	12.85	-7.92
902	Shell-Thick	SLE-RARA	2.0139	-5.4518	12.85	-7.45
902	Shell-Thick	SLE-RARA	2.2994	-4.6165	13.13	-7.45
902	Shell-Thick	SLE-FREQ.	3.8941	-3.8393	12.00	-7.49
902	Shell-Thick	SLE-FREQ.	3.5802	-4.3213	11.72	-7.49
902	Shell-Thick	SLE-FREQ.	1.8225	-4.8799	11.72	-7.01
902	Shell-Thick	SLE-FREQ.	2.0927	-4.1008	12.00	-7.01
902	Shell-Thick	SLE-QP	2.7571	-2.2993	8.61	-6.19
902	Shell-Thick	SLE-QP	2.5050	-2.7229	8.33	-6.19
902	Shell-Thick	SLE-QP	1.2481	-3.1642	8.33	-5.70
902	Shell-Thick	SLE-QP	1.4727	-2.5536	8.61	-5.70
903	Shell-Thick	SLU-STATICA	5.5690	-5.5336	17.70	-10.32
903	Shell-Thick	SLU-STATICA	4.4150	-6.4046	17.41	-10.32
903	Shell-Thick	SLU-STATICA	1.7820	-8.0022	17.41	-9.81
903	Shell-Thick	SLU-STATICA	2.9345	-7.1216	17.70	-9.81
903	Shell-Thick	SLU-SISMICA	8.8272	-9.9529	27.66	-12.45
903	Shell-Thick	SLU-SISMICA	7.1197	-10.9936	27.46	-12.45
903	Shell-Thick	SLU-SISMICA	2.9887	-13.6148	27.46	-12.10
903	Shell-Thick	SLU-SISMICA	4.6881	-12.5198	27.66	-12.10
903	Shell-Thick	SLE-RARA	4.0575	-3.9728	12.92	-7.72
903	Shell-Thick	SLE-RARA	3.2107	-4.6244	12.69	-7.72
903	Shell-Thick	SLE-RARA	1.2902	-5.7839	12.69	-7.32
903	Shell-Thick	SLE-RARA	2.1362	-5.1274	12.92	-7.32
903	Shell-Thick	SLE-FREQ.	3.6897	-3.5117	11.78	-7.35
903	Shell-Thick	SLE-FREQ.	2.9092	-4.1333	11.55	-7.35
903	Shell-Thick	SLE-FREQ.	1.1592	-5.1800	11.55	-6.95
903	Shell-Thick	SLE-FREQ.	1.9394	-4.5573	11.78	-6.95
903	Shell-Thick	SLE-QP	2.5863	-2.1283	8.37	-6.26
903	Shell-Thick	SLE-QP	2.0049	-2.6598	8.13	-6.26
903	Shell-Thick	SLE-QP	0.7663	-3.3685	8.13	-5.85
903	Shell-Thick	SLE-QP	1.3491	-2.8472	8.37	-5.85
904	Shell-Thick	SLU-STATICA	4.5592	-6.1881	17.29	-9.88
904	Shell-Thick	SLU-STATICA	4.1249	-6.8344	17.01	-9.88
904	Shell-Thick	SLU-STATICA	1.5805	-7.6457	17.01	-9.39
904	Shell-Thick	SLU-STATICA	1.9585	-6.6159	17.29	-9.39
904	Shell-Thick	SLU-SISMICA	7.3238	-10.9924	27.22	-11.20
904	Shell-Thick	SLU-SISMICA	6.7844	-11.6102	27.01	-11.20
904	Shell-Thick	SLU-SISMICA	2.7662	-12.8106	27.01	-10.84
904	Shell-Thick	SLU-SISMICA	3.2057	-11.5107	27.22	-10.84
904	Shell-Thick	SLE-RARA	3.3169	-4.4496	12.60	-7.42
904	Shell-Thick	SLE-RARA	2.9931	-4.9407	12.39	-7.42
904	Shell-Thick	SLE-RARA	1.1385	-5.5361	12.39	-7.04
904	Shell-Thick	SLE-RARA	1.4219	-4.7692	12.60	-7.04
904	Shell-Thick	SLE-FREQ.	3.0079	-3.9450	11.48	-7.13
904	Shell-Thick	SLE-FREQ.	2.7008	-4.4264	11.26	-7.13
904	Shell-Thick	SLE-FREQ.	1.0130	-4.9751	11.26	-6.75
904	Shell-Thick	SLE-FREQ.	1.2843	-4.2494	11.48	-6.75
904	Shell-Thick	SLE-QP	2.0810	-2.4314	8.10	-6.25
904	Shell-Thick	SLE-QP	1.8237	-2.8835	7.88	-6.25
904	Shell-Thick	SLE-QP	0.6365	-3.2923	7.88	-5.87
904	Shell-Thick	SLE-QP	0.8717	-2.6898	8.10	-5.87
905	Shell-Thick	SLU-STATICA	4.2665	-5.7502	17.09	-9.44
905	Shell-Thick	SLU-STATICA	3.2683	-6.5524	16.83	-9.44
905	Shell-Thick	SLU-STATICA	0.7234	-8.1194	16.83	-9.00
905	Shell-Thick	SLU-STATICA	1.7215	-7.3173	17.09	-9.00
905	Shell-Thick	SLU-SISMICA	6.9815	-10.0632	27.13	-10.03
905	Shell-Thick	SLU-SISMICA	5.5750	-10.8938	26.93	-10.03
905	Shell-Thick	SLU-SISMICA	1.5230	-13.4800	26.93	-9.68
905	Shell-Thick	SLU-SISMICA	2.9215	-12.5958	27.13	-9.68
905	Shell-Thick	SLE-RARA	3.0976	-4.1423	12.45	-7.12
905	Shell-Thick	SLE-RARA	2.3616	-4.7487	12.25	-7.12
905	Shell-Thick	SLE-RARA	0.5083	-5.8853	12.25	-6.79
905	Shell-Thick	SLE-RARA	1.2446	-5.2816	12.45	-6.79
905	Shell-Thick	SLE-FREQ.	2.7981	-3.6857	11.32	-6.90
905	Shell-Thick	SLE-FREQ.	2.1138	-4.2748	11.12	-6.90
905	Shell-Thick	SLE-FREQ.	0.4301	-5.2996	11.12	-6.56
905	Shell-Thick	SLE-FREQ.	1.1153	-4.7176	11.32	-6.56

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905	Shell-Thick	SLE-QP	1.8996	-2.3160	7.92	-6.23
905	Shell-Thick	SLE-QP	1.3704	-2.8532	7.73	-6.23
905	Shell-Thick	SLE-QP	0.1953	-3.5427	7.73	-5.89
905	Shell-Thick	SLE-QP	0.7274	-3.0255	7.92	-5.89
906	Shell-Thick	SLU-STATICA	3.3898	-6.3937	16.73	-8.87
906	Shell-Thick	SLU-STATICA	2.9854	-6.9943	16.48	-8.87
906	Shell-Thick	SLU-STATICA	0.5163	-7.8156	16.48	-8.45
906	Shell-Thick	SLU-STATICA	0.8758	-6.9088	16.73	-8.45
906	Shell-Thick	SLU-SISMICA	5.7342	-10.9873	26.72	-8.70
906	Shell-Thick	SLU-SISMICA	5.2696	-11.4481	26.51	-8.70
906	Shell-Thick	SLU-SISMICA	1.3175	-12.7274	26.51	-8.34
906	Shell-Thick	SLU-SISMICA	1.7000	-11.7057	26.72	-8.34
906	Shell-Thick	SLE-RARA	2.4518	-4.6159	12.18	-6.73
906	Shell-Thick	SLE-RARA	2.1483	-5.0779	11.99	-6.73
906	Shell-Thick	SLE-RARA	0.3513	-5.6774	11.99	-6.41
906	Shell-Thick	SLE-RARA	0.6225	-4.9961	12.18	-6.41
906	Shell-Thick	SLE-FREQ.	2.1987	-4.1246	11.06	-6.58
906	Shell-Thick	SLE-FREQ.	1.9076	-4.5867	10.87	-6.58
906	Shell-Thick	SLE-FREQ.	0.2768	-5.1338	10.87	-6.26
906	Shell-Thick	SLE-FREQ.	0.5395	-4.4787	11.06	-6.26
906	Shell-Thick	SLE-QP	1.4393	-2.6506	7.69	-6.12
906	Shell-Thick	SLE-QP	1.1856	-3.1130	7.51	-6.12
906	Shell-Thick	SLE-QP	0.0532	-3.5029	7.51	-5.82
906	Shell-Thick	SLE-QP	0.2902	-2.9264	7.69	-5.82
907	Shell-Thick	SLU-STATICA	3.1022	-6.0398	16.57	-8.30
907	Shell-Thick	SLU-STATICA	2.2598	-6.7508	16.33	-8.30
907	Shell-Thick	SLU-STATICA	-0.2094	-8.2910	16.33	-7.90
907	Shell-Thick	SLU-STATICA	0.6348	-7.5929	16.57	-7.90
907	Shell-Thick	SLU-SISMICA	5.4197	-10.1635	26.63	-7.42
907	Shell-Thick	SLU-SISMICA	4.2940	-10.7699	26.40	-7.42
907	Shell-Thick	SLU-SISMICA	0.3192	-13.3092	26.40	-7.03
907	Shell-Thick	SLU-SISMICA	1.4383	-12.6580	26.63	-7.03
907	Shell-Thick	SLE-RARA	2.2352	-4.3711	12.05	-6.33
907	Shell-Thick	SLE-RARA	1.6110	-4.9151	11.88	-6.33
907	Shell-Thick	SLE-RARA	-0.1850	-6.0323	11.88	-6.03
907	Shell-Thick	SLE-RARA	0.4410	-5.5011	12.05	-6.03
907	Shell-Thick	SLE-FREQ.	1.9896	-3.9245	10.93	-6.25
907	Shell-Thick	SLE-FREQ.	1.4041	-4.4636	10.76	-6.25
907	Shell-Thick	SLE-FREQ.	-0.2239	-5.4712	10.76	-5.95
907	Shell-Thick	SLE-FREQ.	0.3641	-4.9492	10.93	-5.95
907	Shell-Thick	SLE-QP	1.2530	-2.5844	7.56	-6.00
907	Shell-Thick	SLE-QP	0.7834	-3.1092	7.40	-6.00
907	Shell-Thick	SLE-QP	-0.3406	-3.7878	7.40	-5.72
907	Shell-Thick	SLE-QP	0.1334	-3.2935	7.56	-5.72
908	Shell-Thick	SLU-STATICA	2.3557	-6.6585	16.24	-7.60
908	Shell-Thick	SLU-STATICA	1.9909	-7.1868	16.01	-7.60
908	Shell-Thick	SLU-STATICA	-0.4119	-8.0205	16.01	-7.20
908	Shell-Thick	SLU-STATICA	-0.0810	-7.2618	16.24	-7.20
908	Shell-Thick	SLU-SISMICA	4.4067	-10.9631	26.22	-5.99
908	Shell-Thick	SLU-SISMICA	4.0236	-11.2442	25.97	-5.99
908	Shell-Thick	SLU-SISMICA	0.1404	-12.5808	25.97	-5.57
908	Shell-Thick	SLU-SISMICA	0.4585	-11.8562	26.22	-5.57
908	Shell-Thick	SLE-RARA	1.6828	-4.8309	11.81	-5.84
908	Shell-Thick	SLE-RARA	1.4073	-5.2435	11.64	-5.84
908	Shell-Thick	SLE-RARA	-0.3397	-5.8502	11.64	-5.54
908	Shell-Thick	SLE-RARA	-0.0882	-5.2736	11.81	-5.54
908	Shell-Thick	SLE-FREQ.	1.4727	-4.3580	10.70	-5.82
908	Shell-Thick	SLE-FREQ.	1.2056	-4.7808	10.53	-5.82
908	Shell-Thick	SLE-FREQ.	-0.3767	-5.3312	10.53	-5.53
908	Shell-Thick	SLE-FREQ.	-0.1304	-4.7660	10.70	-5.53
908	Shell-Thick	SLE-QP	0.8426	-2.9394	7.37	-5.79
908	Shell-Thick	SLE-QP	0.6003	-3.3926	7.21	-5.79
908	Shell-Thick	SLE-QP	-0.4877	-3.7742	7.21	-5.53
908	Shell-Thick	SLE-QP	-0.2569	-3.2432	7.37	-5.53
909	Shell-Thick	SLU-STATICA	2.0802	-6.3693	16.10	-6.86
909	Shell-Thick	SLU-STATICA	1.3928	-6.9639	15.86	-6.86
909	Shell-Thick	SLU-STATICA	-1.0068	-8.4719	15.86	-6.46
909	Shell-Thick	SLU-STATICA	-0.3152	-7.9072	16.10	-6.46
909	Shell-Thick	SLU-SISMICA	4.1252	-10.2147	26.09	-4.57

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909	Shell-Thick	SLU-SISMICA	3.2612	-10.5786	25.82	-4.57
909	Shell-Thick	SLU-SISMICA	-0.6309	-13.0491	25.82	-4.10
909	Shell-Thick	SLU-SISMICA	0.2291	-12.6583	26.09	-4.10
909	Shell-Thick	SLE-RARA	1.4744	-4.6347	11.70	-5.32
909	Shell-Thick	SLE-RARA	0.9623	-5.0967	11.52	-5.32
909	Shell-Thick	SLE-RARA	-0.7816	-6.1914	11.52	-5.01
909	Shell-Thick	SLE-RARA	-0.2659	-5.7549	11.70	-5.01
909	Shell-Thick	SLE-FREQ.	1.2700	-4.2044	10.59	-5.37
909	Shell-Thick	SLE-FREQ.	0.7851	-4.6740	10.42	-5.37
909	Shell-Thick	SLE-FREQ.	-0.7933	-5.6626	10.42	-5.08
909	Shell-Thick	SLE-FREQ.	-0.3041	-5.2225	10.59	-5.08
909	Shell-Thick	SLE-QP	0.6567	-2.9135	7.26	-5.54
909	Shell-Thick	SLE-QP	0.2532	-3.4058	7.12	-5.54
909	Shell-Thick	SLE-QP	-0.8282	-4.0761	7.12	-5.30
909	Shell-Thick	SLE-QP	-0.4186	-3.6255	7.26	-5.30
910	Shell-Thick	SLU-STATICA	1.4608	-6.9406	15.79	-6.00
910	Shell-Thick	SLU-STATICA	1.1442	-7.3673	15.55	-6.00
910	Shell-Thick	SLU-STATICA	-1.1953	-8.2102	15.55	-5.59
910	Shell-Thick	SLU-STATICA	-0.9015	-7.6284	15.79	-5.59
910	Shell-Thick	SLU-SISMICA	3.3267	-10.8682	25.67	-3.01
910	Shell-Thick	SLU-SISMICA	3.0283	-10.9435	25.36	-3.01
910	Shell-Thick	SLU-SISMICA	-0.7762	-12.3101	25.36	-2.49
910	Shell-Thick	SLU-SISMICA	-0.5259	-11.9071	25.67	-2.49
910	Shell-Thick	SLE-RARA	1.0140	-5.0634	11.47	-4.70
910	Shell-Thick	SLE-RARA	0.7732	-5.4043	11.29	-4.70
910	Shell-Thick	SLE-RARA	-0.9266	-6.0169	11.29	-4.39
910	Shell-Thick	SLE-RARA	-0.7018	-5.5672	11.47	-4.39
910	Shell-Thick	SLE-FREQ.	0.8356	-4.6158	10.38	-4.83
910	Shell-Thick	SLE-FREQ.	0.5993	-4.9771	10.21	-4.83
910	Shell-Thick	SLE-FREQ.	-0.9382	-5.5316	10.21	-4.54
910	Shell-Thick	SLE-FREQ.	-0.7153	-5.0783	10.38	-4.54
910	Shell-Thick	SLE-QP	0.3006	-3.2730	7.09	-5.22
910	Shell-Thick	SLE-QP	0.0776	-3.6957	6.95	-5.22
910	Shell-Thick	SLE-QP	-0.9729	-4.0758	6.95	-4.98
910	Shell-Thick	SLE-QP	-0.7560	-3.6116	7.09	-4.98
911	Shell-Thick	SLU-STATICA	1.2041	-6.6926	15.63	-5.09
911	Shell-Thick	SLU-STATICA	0.6693	-7.1427	15.38	-5.09
911	Shell-Thick	SLU-STATICA	-1.6613	-8.6017	15.38	-4.65
911	Shell-Thick	SLU-STATICA	-1.1189	-8.2040	15.63	-4.65
911	Shell-Thick	SLU-SISMICA	3.0814	-10.1592	25.48	-1.43
911	Shell-Thick	SLU-SISMICA	2.4588	-10.2585	25.13	-1.43
911	Shell-Thick	SLU-SISMICA	-1.3385	-12.6246	25.13	-0.83
911	Shell-Thick	SLU-SISMICA	-0.7158	-12.5269	25.48	-0.83
911	Shell-Thick	SLE-RARA	0.8189	-4.8985	11.36	-4.04
911	Shell-Thick	SLE-RARA	0.4180	-5.2570	11.17	-4.04
911	Shell-Thick	SLE-RARA	-1.2749	-6.3174	11.17	-3.72
911	Shell-Thick	SLE-RARA	-0.8679	-6.0011	11.36	-3.72
911	Shell-Thick	SLE-FREQ.	0.6444	-4.4928	10.27	-4.24
911	Shell-Thick	SLE-FREQ.	0.2606	-4.8713	10.09	-4.24
911	Shell-Thick	SLE-FREQ.	-1.2700	-5.8310	10.09	-3.94
911	Shell-Thick	SLE-FREQ.	-0.8797	-5.4978	10.27	-3.94
911	Shell-Thick	SLE-QP	0.1210	-3.2758	7.00	-4.85
911	Shell-Thick	SLE-QP	-0.2115	-3.7143	6.86	-4.85
911	Shell-Thick	SLE-QP	-1.2553	-4.3719	6.86	-4.61
911	Shell-Thick	SLE-QP	-0.9149	-3.9881	7.00	-4.61
912	Shell-Thick	SLU-STATICA	0.7085	-7.1722	15.33	-4.03
912	Shell-Thick	SLU-STATICA	0.4251	-7.4820	15.05	-4.03
912	Shell-Thick	SLU-STATICA	-1.8471	-8.3343	15.05	-3.56
912	Shell-Thick	SLU-STATICA	-1.5768	-7.9529	15.33	-3.56
912	Shell-Thick	SLU-SISMICA	2.4782	-10.6164	25.03	0.33
912	Shell-Thick	SLU-SISMICA	2.2390	-10.4580	24.62	0.33
912	Shell-Thick	SLU-SISMICA	-1.4677	-11.8347	24.62	1.00
912	Shell-Thick	SLU-SISMICA	-1.2642	-11.7979	25.03	1.00
912	Shell-Thick	SLE-RARA	0.4487	-5.2630	11.13	-3.27
912	Shell-Thick	SLE-RARA	0.2317	-5.5211	10.92	-3.27
912	Shell-Thick	SLE-RARA	-1.4185	-6.1408	10.92	-2.93
912	Shell-Thick	SLE-RARA	-1.2103	-5.8347	11.13	-2.93
912	Shell-Thick	SLE-FREQ.	0.2922	-4.8502	10.06	-3.55
912	Shell-Thick	SLE-FREQ.	0.0769	-5.1404	9.87	-3.55

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912	Shell-Thick	SLE-FREQ.	-1.4147	-5.7018	9.87	-3.23
912	Shell-Thick	SLE-FREQ.	-1.2062	-5.3748	10.06	-3.23
912	Shell-Thick	SLE-QP	-0.1773	-3.6118	6.85	-4.38
912	Shell-Thick	SLE-QP	-0.3874	-3.9984	6.70	-4.38
912	Shell-Thick	SLE-QP	-1.4033	-4.3845	6.70	-4.14
912	Shell-Thick	SLE-QP	-1.1937	-3.9953	6.85	-4.14
913	Shell-Thick	SLU-STATICA	0.4521	-6.9688	15.13	-2.28
913	Shell-Thick	SLU-STATICA	-0.1460	-7.3227	14.50	-2.28
913	Shell-Thick	SLU-STATICA	-2.3905	-8.5703	14.50	-1.73
913	Shell-Thick	SLU-STATICA	-1.7534	-8.2440	15.13	-1.73
913	Shell-Thick	SLU-SISMICA	2.2287	-10.0339	24.73	3.05
913	Shell-Thick	SLU-SISMICA	1.6557	-9.4482	23.77	3.05
913	Shell-Thick	SLU-SISMICA	-1.9901	-11.4161	23.77	3.90
913	Shell-Thick	SLU-SISMICA	-1.4074	-12.0091	24.73	3.90
913	Shell-Thick	SLE-RARA	0.2541	-5.1278	10.99	-2.00
913	Shell-Thick	SLE-RARA	-0.2004	-5.4427	10.53	-2.00
913	Shell-Thick	SLE-RARA	-1.8313	-6.3523	10.53	-1.59
913	Shell-Thick	SLE-RARA	-1.3458	-6.0592	10.99	-1.59
913	Shell-Thick	SLE-FREQ.	0.1018	-4.7495	9.93	-2.39
913	Shell-Thick	SLE-FREQ.	-0.3435	-5.1339	9.51	-2.39
913	Shell-Thick	SLE-FREQ.	-1.8191	-5.9618	9.51	-2.01
913	Shell-Thick	SLE-FREQ.	-1.3411	-5.6003	9.93	-2.01
913	Shell-Thick	SLE-QP	-0.3550	-3.6145	6.75	-3.55
913	Shell-Thick	SLE-QP	-0.7729	-4.2073	6.44	-3.55
913	Shell-Thick	SLE-QP	-1.7824	-4.7903	6.44	-3.28
913	Shell-Thick	SLE-QP	-1.3269	-4.2239	6.75	-3.28
914	Shell-Thick	SLU-STATICA	-0.1544	-7.3536	14.51	-0.23
914	Shell-Thick	SLU-STATICA	-0.2945	-7.3607	14.16	-0.23
914	Shell-Thick	SLU-STATICA	-2.4468	-8.1221	14.16	0.38
914	Shell-Thick	SLU-STATICA	-2.3028	-8.1429	14.51	0.38
914	Shell-Thick	SLU-SISMICA	1.5935	-9.8622	23.74	6.08
914	Shell-Thick	SLU-SISMICA	1.5416	-9.2679	23.19	6.08
914	Shell-Thick	SLU-SISMICA	-1.9759	-10.4726	23.19	7.03
914	Shell-Thick	SLU-SISMICA	-1.9312	-11.0188	23.74	7.03
914	Shell-Thick	SLE-RARA	-0.2041	-5.4471	10.53	-0.49
914	Shell-Thick	SLE-RARA	-0.3146	-5.4825	10.28	-0.49
914	Shell-Thick	SLE-RARA	-1.8775	-6.0373	10.28	-4.124E-02
914	Shell-Thick	SLE-RARA	-1.7634	-6.0269	10.53	-4.124E-02
914	Shell-Thick	SLE-FREQ.	-0.3427	-5.1066	9.51	-0.99
914	Shell-Thick	SLE-FREQ.	-0.4577	-5.1906	9.28	-0.99
914	Shell-Thick	SLE-FREQ.	-1.8699	-5.6953	9.28	-0.59
914	Shell-Thick	SLE-FREQ.	-1.7504	-5.6420	9.51	-0.59
914	Shell-Thick	SLE-QP	-0.7586	-4.0852	6.46	-2.51
914	Shell-Thick	SLE-QP	-0.8872	-4.3149	6.29	-2.51
914	Shell-Thick	SLE-QP	-1.8471	-4.6693	6.29	-2.22
914	Shell-Thick	SLE-QP	-1.7116	-4.4872	6.46	-2.22
915	Shell-Thick	SLU-STATICA	-0.3138	-7.0229	14.26	1.35
915	Shell-Thick	SLU-STATICA	-0.4985	-6.9509	13.87	1.35
915	Shell-Thick	SLU-STATICA	-2.6192	-8.1643	13.87	2.03
915	Shell-Thick	SLU-STATICA	-2.4127	-8.3864	14.26	2.03
915	Shell-Thick	SLU-SISMICA	1.4765	-8.9859	23.33	8.28
915	Shell-Thick	SLU-SISMICA	1.3456	-8.2914	22.71	8.28
915	Shell-Thick	SLU-SISMICA	-2.1188	-10.1954	22.71	9.36
915	Shell-Thick	SLU-SISMICA	-1.9669	-11.0351	23.33	9.36
915	Shell-Thick	SLE-RARA	-0.3270	-5.2237	10.35	0.68
915	Shell-Thick	SLE-RARA	-0.4696	-5.2001	10.07	0.68
915	Shell-Thick	SLE-RARA	-2.0096	-6.0852	10.07	1.17
915	Shell-Thick	SLE-RARA	-1.8504	-6.2227	10.35	1.17
915	Shell-Thick	SLE-FREQ.	-0.4661	-4.9336	9.35	9.275E-02
915	Shell-Thick	SLE-FREQ.	-0.6096	-4.9618	9.09	9.275E-02
915	Shell-Thick	SLE-FREQ.	-2.0012	-5.7683	9.09	0.54
915	Shell-Thick	SLE-FREQ.	-1.8414	-5.8516	9.35	0.54
915	Shell-Thick	SLE-QP	-0.8833	-4.0633	6.35	-1.67
915	Shell-Thick	SLE-QP	-1.0295	-4.2466	6.17	-1.67
915	Shell-Thick	SLE-QP	-1.9759	-4.8174	6.17	-1.35
915	Shell-Thick	SLE-QP	-1.8145	-4.7383	6.35	-1.35
916	Shell-Thick	SLU-STATICA	-0.5399	-7.1733	13.86	3.11
916	Shell-Thick	SLU-STATICA	-0.5895	-6.9259	13.43	3.11
916	Shell-Thick	SLU-STATICA	-2.6454	-7.5923	13.43	3.86

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916	Shell-Thick	SLU-STATICA	-2.5797	-7.9511	13.86	3.86
916	Shell-Thick	SLU-SISMICA	1.2486	-8.8759	22.69	10.66
916	Shell-Thick	SLU-SISMICA	1.3015	-7.9368	21.99	10.66
916	Shell-Thick	SLU-SISMICA	-2.0562	-8.9710	21.99	11.85
916	Shell-Thick	SLU-SISMICA	-2.0977	-9.9903	22.69	11.85
916	Shell-Thick	SLE-RARA	-0.4982	-5.3507	10.07	1.98
916	Shell-Thick	SLE-RARA	-0.5409	-5.1977	9.75	1.98
916	Shell-Thick	SLE-RARA	-2.0338	-5.6842	9.75	2.52
916	Shell-Thick	SLE-RARA	-1.9787	-5.9232	10.07	2.52
916	Shell-Thick	SLE-FREQ.	-0.6329	-5.0788	9.09	1.31
916	Shell-Thick	SLE-FREQ.	-0.6830	-4.9864	8.81	1.31
916	Shell-Thick	SLE-FREQ.	-2.0321	-5.4308	8.81	1.80
916	Shell-Thick	SLE-FREQ.	-1.9695	-5.6096	9.09	1.80
916	Shell-Thick	SLE-QP	-1.0370	-4.2633	6.17	-0.70
916	Shell-Thick	SLE-QP	-1.1092	-4.3528	5.98	-0.70
916	Shell-Thick	SLE-QP	-2.0269	-4.6704	5.98	-0.35
916	Shell-Thick	SLE-QP	-1.9420	-4.6687	6.17	-0.35
917	Shell-Thick	SLU-STATICA	-0.6419	-6.7248	13.54	5.03
917	Shell-Thick	SLU-STATICA	-0.6859	-6.3513	13.06	5.03
917	Shell-Thick	SLU-STATICA	-2.6965	-7.3710	13.06	5.86
917	Shell-Thick	SLU-STATICA	-2.6233	-7.9451	13.54	5.86
917	Shell-Thick	SLU-SISMICA	1.1909	-7.8392	22.15	13.18
917	Shell-Thick	SLU-SISMICA	1.2327	-6.7457	21.38	13.18
917	Shell-Thick	SLU-SISMICA	-2.0487	-8.3165	21.38	14.51
917	Shell-Thick	SLU-SISMICA	-2.0583	-9.6323	22.15	14.51
917	Shell-Thick	SLE-RARA	-0.5777	-5.0401	9.83	3.41
917	Shell-Thick	SLE-RARA	-0.6153	-4.7929	9.48	3.41
917	Shell-Thick	SLE-RARA	-2.0755	-5.5382	9.48	4.01
917	Shell-Thick	SLE-RARA	-2.0159	-5.9362	9.83	4.01
917	Shell-Thick	SLE-FREQ.	-0.7141	-4.8242	8.88	2.65
917	Shell-Thick	SLE-FREQ.	-0.7578	-4.6423	8.57	2.65
917	Shell-Thick	SLE-FREQ.	-2.0775	-5.3239	8.57	3.20
917	Shell-Thick	SLE-FREQ.	-2.0126	-5.6512	8.88	3.20
917	Shell-Thick	SLE-QP	-1.1232	-4.1767	6.03	0.39
917	Shell-Thick	SLE-QP	-1.1854	-4.1906	5.82	0.39
917	Shell-Thick	SLE-QP	-2.0837	-4.6812	5.82	0.77
917	Shell-Thick	SLE-QP	-2.0028	-4.7962	6.03	0.77
918	Shell-Thick	SLU-STATICA	-0.7609	-6.6371	13.09	7.14
918	Shell-Thick	SLU-STATICA	-0.7073	-6.0761	12.56	7.14
918	Shell-Thick	SLU-STATICA	-2.6458	-6.5689	12.56	8.05
918	Shell-Thick	SLU-STATICA	-2.6704	-7.3297	13.09	8.05
918	Shell-Thick	SLU-SISMICA	1.0904	-7.3870	21.40	15.89
918	Shell-Thick	SLU-SISMICA	1.2544	-6.0496	20.55	15.89
918	Shell-Thick	SLU-SISMICA	-1.9082	-6.7930	20.55	17.35
918	Shell-Thick	SLU-SISMICA	-2.0408	-8.3471	21.40	17.35
918	Shell-Thick	SLE-RARA	-0.6688	-4.9918	9.50	4.97
918	Shell-Thick	SLE-RARA	-0.6337	-4.6054	9.12	4.97
918	Shell-Thick	SLE-RARA	-2.0415	-4.9663	9.12	5.64
918	Shell-Thick	SLE-RARA	-2.0548	-5.5033	9.50	5.64
918	Shell-Thick	SLE-FREQ.	-0.8045	-4.8071	8.59	4.13
918	Shell-Thick	SLE-FREQ.	-0.7793	-4.4941	8.24	4.13
918	Shell-Thick	SLE-FREQ.	-2.0518	-4.8254	8.24	4.74
918	Shell-Thick	SLE-FREQ.	-2.0559	-5.2840	8.59	4.74
918	Shell-Thick	SLE-QP	-1.2115	-4.2530	5.83	1.61
918	Shell-Thick	SLE-QP	-1.2161	-4.1600	5.59	1.61
918	Shell-Thick	SLE-QP	-2.0827	-4.4028	5.59	2.03
918	Shell-Thick	SLE-QP	-2.0591	-4.6261	5.83	2.03
919	Shell-Thick	SLU-STATICA	-0.7937	-5.9944	12.68	9.43
919	Shell-Thick	SLU-STATICA	-0.7026	-5.2612	12.10	9.43
919	Shell-Thick	SLU-STATICA	-2.5806	-6.0266	12.10	10.44
919	Shell-Thick	SLU-STATICA	-2.6336	-7.0218	12.68	10.44
919	Shell-Thick	SLU-SISMICA	1.0984	-6.1011	20.72	18.76
919	Shell-Thick	SLU-SISMICA	1.2922	-4.5577	19.79	18.76
919	Shell-Thick	SLU-SISMICA	-1.7699	-5.7087	19.79	20.37
919	Shell-Thick	SLU-SISMICA	-1.9177	-7.5691	20.72	20.37
919	Shell-Thick	SLE-RARA	-0.6957	-4.5368	9.21	6.68
919	Shell-Thick	SLE-RARA	-0.6318	-4.0217	8.78	6.68
919	Shell-Thick	SLE-RARA	-1.9958	-4.5824	8.78	7.41
919	Shell-Thick	SLE-RARA	-2.0312	-5.2934	9.21	7.41



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919	Shell-Thick	SLE-FREQ.	-0.8340	-4.4162	8.32	5.75
919	Shell-Thick	SLE-FREQ.	-0.7802	-3.9803	7.93	5.75
919	Shell-Thick	SLE-FREQ.	-2.0133	-4.4955	7.93	6.42
919	Shell-Thick	SLE-FREQ.	-2.0400	-5.1179	8.32	6.42
919	Shell-Thick	SLE-QP	-1.2491	-4.0543	5.66	2.95
919	Shell-Thick	SLE-QP	-1.2253	-3.8563	5.39	2.95
919	Shell-Thick	SLE-QP	-2.0655	-4.2350	5.39	3.42
919	Shell-Thick	SLE-QP	-2.0663	-4.5914	5.66	3.42
920	Shell-Thick	SLU-STATICA	-0.8123	-5.6243	12.15	11.91
920	Shell-Thick	SLU-STATICA	-0.6410	-4.6877	11.50	11.91
920	Shell-Thick	SLU-STATICA	-2.4368	-4.9012	11.50	13.02
920	Shell-Thick	SLU-STATICA	-2.5650	-6.1337	12.15	13.02
920	Shell-Thick	SLU-SISMICA	1.1042	-5.2735	19.85	21.81
920	Shell-Thick	SLU-SISMICA	1.3894	-3.4815	18.82	21.81
920	Shell-Thick	SLU-SISMICA	-1.5381	-3.7779	18.82	23.58
920	Shell-Thick	SLU-SISMICA	-1.7703	-5.9349	19.85	23.58
920	Shell-Thick	SLE-RARA	-0.7110	-4.2792	8.82	8.53
920	Shell-Thick	SLE-RARA	-0.5869	-3.6121	8.35	8.53
920	Shell-Thick	SLE-RARA	-1.8912	-3.7698	8.35	9.34
920	Shell-Thick	SLE-RARA	-1.9832	-4.6576	8.82	9.34
920	Shell-Thick	SLE-FREQ.	-0.8509	-4.2025	7.97	7.51
920	Shell-Thick	SLE-FREQ.	-0.7393	-3.6222	7.55	7.51
920	Shell-Thick	SLE-FREQ.	-1.9185	-3.7691	7.55	8.24
920	Shell-Thick	SLE-FREQ.	-1.9996	-4.5591	7.97	8.24
920	Shell-Thick	SLE-QP	-1.2709	-3.9725	5.42	4.44
920	Shell-Thick	SLE-QP	-1.1965	-3.6524	5.12	4.44
920	Shell-Thick	SLE-QP	-2.0001	-3.7672	5.12	4.95
920	Shell-Thick	SLE-QP	-2.0489	-4.2637	5.42	4.95
921	Shell-Thick	SLU-STATICA	-0.7623	-4.6998	11.65	14.60
921	Shell-Thick	SLU-STATICA	-0.5341	-3.5444	10.95	14.60
921	Shell-Thick	SLU-STATICA	-2.2535	-3.9879	10.95	15.81
921	Shell-Thick	SLU-STATICA	-2.4332	-5.4772	11.65	15.81
921	Shell-Thick	SLU-SISMICA	1.1874	-3.6394	19.03	25.06
921	Shell-Thick	SLU-SISMICA	1.5261	-1.5902	17.92	25.06
921	Shell-Thick	SLU-SISMICA	-1.2766	-2.2265	17.92	26.98
921	Shell-Thick	SLU-SISMICA	-1.5530	-4.7042	19.03	26.98
921	Shell-Thick	SLE-RARA	-0.6748	-3.6141	8.46	10.54
921	Shell-Thick	SLE-RARA	-0.5073	-2.7831	7.95	10.54
921	Shell-Thick	SLE-RARA	-1.7562	-3.1095	7.95	11.42
921	Shell-Thick	SLE-RARA	-1.8875	-4.1888	8.46	11.42
921	Shell-Thick	SLE-FREQ.	-0.8184	-3.6121	7.64	9.42
921	Shell-Thick	SLE-FREQ.	-0.6641	-2.8751	7.18	9.42
921	Shell-Thick	SLE-FREQ.	-1.7932	-3.1776	7.18	10.22
921	Shell-Thick	SLE-FREQ.	-1.9133	-4.1490	7.64	10.22
921	Shell-Thick	SLE-QP	-1.2492	-3.6062	5.20	6.06
921	Shell-Thick	SLE-QP	-1.1345	-3.1510	4.87	6.06
921	Shell-Thick	SLE-QP	-1.9042	-3.3818	4.87	6.62
921	Shell-Thick	SLE-QP	-1.9907	-4.0298	5.20	6.62
922	Shell-Thick	SLU-STATICA	-0.6797	-4.0063	11.02	17.48
922	Shell-Thick	SLU-STATICA	-0.3786	-2.6293	10.25	17.48
922	Shell-Thick	SLU-STATICA	-2.0033	-2.4362	10.25	18.80
922	Shell-Thick	SLU-STATICA	-2.2459	-4.2156	11.02	18.80
922	Shell-Thick	SLU-SISMICA	1.2907	-2.4135	18.01	28.49
922	Shell-Thick	SLU-SISMICA	1.7060	-0.1087	16.80	28.49
922	Shell-Thick	SLU-SISMICA	-0.9434	0.2275	16.80	30.58
922	Shell-Thick	SLU-SISMICA	-1.2818	-2.6068	18.01	30.58
922	Shell-Thick	SLE-RARA	-0.6132	-3.1151	8.00	12.70
922	Shell-Thick	SLE-RARA	-0.3907	-2.1179	7.44	12.70
922	Shell-Thick	SLE-RARA	-1.5708	-1.9787	7.44	13.66
922	Shell-Thick	SLE-RARA	-1.7498	-3.2745	8.00	13.66
922	Shell-Thick	SLE-FREQ.	-0.7600	-3.1692	7.23	11.48
922	Shell-Thick	SLE-FREQ.	-0.5524	-2.2728	6.72	11.48
922	Shell-Thick	SLE-FREQ.	-1.6192	-2.1488	6.72	12.36
922	Shell-Thick	SLE-FREQ.	-1.7859	-3.3260	7.23	12.36
922	Shell-Thick	SLE-QP	-1.2004	-3.3315	4.91	7.83
922	Shell-Thick	SLE-QP	-1.0375	-2.7376	4.56	7.83
922	Shell-Thick	SLE-QP	-1.7643	-2.6592	4.56	8.44
922	Shell-Thick	SLE-QP	-1.8941	-3.4804	4.91	8.44
923	Shell-Thick	SLU-STATICA	-0.5360	-2.7046	10.42	20.58



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923	Shell-Thick	SLU-STATICA	-0.1582	-1.0596	9.60	20.58
923	Shell-Thick	SLU-STATICA	-1.6905	-1.1100	9.60	22.01
923	Shell-Thick	SLU-STATICA	-2.0078	-3.1702	10.42	22.01
923	Shell-Thick	SLU-SISMICA	1.4559	-0.3282	17.05	32.13
923	Shell-Thick	SLU-SISMICA	1.9506	2.2872	15.74	32.13
923	Shell-Thick	SLU-SISMICA	-0.5497	2.2650	15.74	34.38
923	Shell-Thick	SLU-SISMICA	-0.9638	-0.9055	17.05	34.38
923	Shell-Thick	SLE-RARA	-0.5053	-2.1677	7.57	15.02
923	Shell-Thick	SLE-RARA	-0.2249	-0.9697	6.97	15.02
923	Shell-Thick	SLE-RARA	-1.3378	-1.0092	6.97	16.06
923	Shell-Thick	SLE-RARA	-1.5734	-2.5150	7.57	16.06
923	Shell-Thick	SLE-FREQ.	-0.6566	-2.3096	6.84	13.70
923	Shell-Thick	SLE-FREQ.	-0.3927	-1.2208	6.29	13.70
923	Shell-Thick	SLE-FREQ.	-1.3985	-1.2617	6.29	14.65
923	Shell-Thick	SLE-FREQ.	-1.6204	-2.6391	6.84	14.65
923	Shell-Thick	SLE-QP	-1.1103	-2.7351	4.65	9.74
923	Shell-Thick	SLE-QP	-0.8960	-1.9743	4.26	9.74
923	Shell-Thick	SLE-QP	-1.5808	-2.0192	4.26	10.41
923	Shell-Thick	SLE-QP	-1.7614	-3.0114	4.65	10.41
924	Shell-Thick	SLU-STATICA	-0.3413	-1.6478	9.68	23.89
924	Shell-Thick	SLU-STATICA	0.1005	0.2367	8.79	23.89
924	Shell-Thick	SLU-STATICA	-1.3233	0.9761	8.79	25.44
924	Shell-Thick	SLU-STATICA	-1.6891	-1.4306	9.68	25.44
924	Shell-Thick	SLU-SISMICA	1.6642	1.3098	15.86	35.96
924	Shell-Thick	SLU-SISMICA	2.2203	4.1865	14.46	35.96
924	Shell-Thick	SLU-SISMICA	-0.1064	5.3580	14.46	38.39
924	Shell-Thick	SLU-SISMICA	-0.5585	1.7667	15.86	38.39
924	Shell-Thick	SLE-RARA	-0.3585	-1.3960	7.03	17.50
924	Shell-Thick	SLE-RARA	-0.0295	-0.0174	6.38	17.50
924	Shell-Thick	SLE-RARA	-1.0634	0.5213	6.38	18.63
924	Shell-Thick	SLE-RARA	-1.3362	-1.2433	7.03	18.63
924	Shell-Thick	SLE-FREQ.	-0.5145	-1.6046	6.35	16.08
924	Shell-Thick	SLE-FREQ.	-0.2029	-0.3416	5.75	16.08
924	Shell-Thick	SLE-FREQ.	-1.1371	0.1483	5.75	17.11
924	Shell-Thick	SLE-FREQ.	-1.3962	-1.4755	6.35	17.11
924	Shell-Thick	SLE-QP	-0.9825	-2.2305	4.30	11.81
924	Shell-Thick	SLE-QP	-0.7234	-1.3141	3.88	11.81
924	Shell-Thick	SLE-QP	-1.3585	-0.9706	3.88	12.54
924	Shell-Thick	SLE-QP	-1.5761	-2.1718	4.30	12.54
925	Shell-Thick	SLU-STATICA	-0.0739	0.2173	9.00	27.22
925	Shell-Thick	SLU-STATICA	0.3974	2.0707	8.17	27.22
925	Shell-Thick	SLU-STATICA	-0.9083	2.4446	8.17	28.84
925	Shell-Thick	SLU-STATICA	-1.3441	0.0197	9.00	28.84
925	Shell-Thick	SLU-SISMICA	1.9487	4.0763	14.76	39.77
925	Shell-Thick	SLU-SISMICA	2.5328	6.8162	13.47	39.77
925	Shell-Thick	SLU-SISMICA	0.3907	7.4436	13.47	42.32
925	Shell-Thick	SLU-SISMICA	-0.1449	3.9183	14.76	42.32
925	Shell-Thick	SLE-RARA	-0.1567	-0.0276	6.53	20.00
925	Shell-Thick	SLE-RARA	0.1947	1.3326	5.93	20.00
925	Shell-Thick	SLE-RARA	-0.7529	1.6033	5.93	21.18
925	Shell-Thick	SLE-RARA	-1.0782	-0.1793	6.53	21.18
925	Shell-Thick	SLE-FREQ.	-0.3191	-0.3440	5.89	18.47
925	Shell-Thick	SLE-FREQ.	0.0144	0.9098	5.35	18.47
925	Shell-Thick	SLE-FREQ.	-0.8411	1.1529	5.35	19.55
925	Shell-Thick	SLE-FREQ.	-1.1502	-0.4953	5.89	19.55
925	Shell-Thick	SLE-QP	-0.8061	-1.2934	3.99	13.90
925	Shell-Thick	SLE-QP	-0.5265	-0.3588	3.60	13.90
925	Shell-Thick	SLE-QP	-1.1057	-0.1982	3.60	14.66
925	Shell-Thick	SLE-QP	-1.3661	-1.4432	3.99	14.66
926	Shell-Thick	SLU-STATICA	5.1667	-6.9307	17.48	-10.51
926	Shell-Thick	SLU-STATICA	4.8417	-7.5131	16.72	-10.51
926	Shell-Thick	SLU-STATICA	2.3166	-8.1530	16.72	-9.19
926	Shell-Thick	SLU-STATICA	2.5609	-7.0211	17.48	-9.19
926	Shell-Thick	SLU-SISMICA	7.8954	-12.3425	26.20	-14.55
926	Shell-Thick	SLU-SISMICA	7.4496	-13.0840	25.48	-14.55
926	Shell-Thick	SLU-SISMICA	3.6414	-13.7696	25.48	-13.29
926	Shell-Thick	SLU-SISMICA	3.9495	-12.0892	26.20	-13.29
926	Shell-Thick	SLE-RARA	3.7790	-4.9820	12.81	-7.76
926	Shell-Thick	SLE-RARA	3.5388	-5.4154	12.23	-7.76

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926	Shell-Thick	SLE-RARA	1.6894	-5.8980	12.23	-6.76
926	Shell-Thick	SLE-RARA	1.8713	-5.0676	12.81	-6.76
926	Shell-Thick	SLE-FREQ.	3.4616	-4.4144	11.78	-7.24
926	Shell-Thick	SLE-FREQ.	3.2372	-4.8241	11.21	-7.24
926	Shell-Thick	SLE-FREQ.	1.5389	-5.2910	11.21	-6.26
926	Shell-Thick	SLE-FREQ.	1.7110	-4.5262	11.78	-6.26
926	Shell-Thick	SLE-QP	2.5093	-2.7116	8.68	-5.67
926	Shell-Thick	SLE-QP	2.3325	-3.0500	8.14	-5.67
926	Shell-Thick	SLE-QP	1.0873	-3.4700	8.14	-4.75
926	Shell-Thick	SLE-QP	1.2303	-2.9018	8.68	-4.75
927	Shell-Thick	SLU-STATICA	4.9900	-6.2694	16.83	-10.19
927	Shell-Thick	SLU-STATICA	3.7801	-7.1207	16.47	-10.19
927	Shell-Thick	SLU-STATICA	1.2834	-8.6518	16.47	-9.57
927	Shell-Thick	SLU-STATICA	2.4907	-7.7845	16.83	-9.57
927	Shell-Thick	SLU-SISMICA	7.6847	-11.1204	25.65	-13.36
927	Shell-Thick	SLU-SISMICA	5.8326	-12.2443	25.44	-13.36
927	Shell-Thick	SLU-SISMICA	2.0033	-14.6906	25.44	-13.00
927	Shell-Thick	SLU-SISMICA	3.8487	-13.5214	25.65	-13.00
927	Shell-Thick	SLE-RARA	3.6468	-4.5089	12.31	-7.56
927	Shell-Thick	SLE-RARA	2.7620	-5.1403	12.03	-7.56
927	Shell-Thick	SLE-RARA	0.9366	-6.2549	12.03	-7.08
927	Shell-Thick	SLE-RARA	1.8197	-5.6128	12.31	-7.08
927	Shell-Thick	SLE-FREQ.	3.3354	-3.9991	11.28	-7.11
927	Shell-Thick	SLE-FREQ.	2.5253	-4.5925	11.00	-7.11
927	Shell-Thick	SLE-FREQ.	0.8543	-5.6044	11.00	-6.62
927	Shell-Thick	SLE-FREQ.	1.6632	-5.0029	11.28	-6.62
927	Shell-Thick	SLE-QP	2.4013	-2.4695	8.20	-5.77
927	Shell-Thick	SLE-QP	1.8149	-2.9491	7.90	-5.77
927	Shell-Thick	SLE-QP	0.6075	-3.6529	7.90	-5.25
927	Shell-Thick	SLE-QP	1.1938	-3.1734	8.20	-5.25
928	Shell-Thick	SLU-STATICA	3.9219	-6.9839	16.33	-9.86
928	Shell-Thick	SLU-STATICA	3.5967	-7.5795	15.92	-9.86
928	Shell-Thick	SLU-STATICA	1.2111	-8.2121	15.92	-9.15
928	Shell-Thick	SLU-STATICA	1.4684	-7.1542	16.33	-9.15
928	Shell-Thick	SLU-SISMICA	6.0462	-12.3473	25.16	-12.18
928	Shell-Thick	SLU-SISMICA	5.6399	-12.9855	24.85	-12.18
928	Shell-Thick	SLU-SISMICA	1.9464	-13.7917	24.85	-11.65
928	Shell-Thick	SLU-SISMICA	2.2360	-12.3568	25.16	-11.65
928	Shell-Thick	SLE-RARA	2.8659	-5.0247	11.94	-7.36
928	Shell-Thick	SLE-RARA	2.6235	-5.4739	11.62	-7.36
928	Shell-Thick	SLE-RARA	0.8810	-5.9446	11.62	-6.81
928	Shell-Thick	SLE-RARA	1.0744	-5.1618	11.94	-6.81
928	Shell-Thick	SLE-FREQ.	2.6207	-4.4601	10.92	-6.98
928	Shell-Thick	SLE-FREQ.	2.3909	-4.8947	10.60	-6.98
928	Shell-Thick	SLE-FREQ.	0.7989	-5.3395	10.60	-6.43
928	Shell-Thick	SLE-FREQ.	0.9849	-4.6070	10.92	-6.43
928	Shell-Thick	SLE-QP	1.8849	-2.7661	7.86	-5.87
928	Shell-Thick	SLE-QP	1.6932	-3.1570	7.54	-5.87
928	Shell-Thick	SLE-QP	0.5524	-3.5242	7.54	-5.31
928	Shell-Thick	SLE-QP	0.7162	-2.9426	7.86	-5.31
929	Shell-Thick	SLU-STATICA	3.7361	-6.4432	16.02	-9.52
929	Shell-Thick	SLU-STATICA	2.6902	-7.2409	15.66	-9.52
929	Shell-Thick	SLU-STATICA	0.3142	-8.7183	15.66	-8.91
929	Shell-Thick	SLU-STATICA	1.3588	-7.9125	16.02	-8.91
929	Shell-Thick	SLU-SISMICA	5.8468	-11.2818	25.00	-11.06
929	Shell-Thick	SLU-SISMICA	4.3238	-12.1997	24.74	-11.06
929	Shell-Thick	SLU-SISMICA	0.5964	-14.5989	24.74	-10.61
929	Shell-Thick	SLU-SISMICA	2.1121	-13.6320	25.00	-10.61
929	Shell-Thick	SLE-RARA	2.7258	-4.6412	11.69	-7.14
929	Shell-Thick	SLE-RARA	1.9570	-5.2397	11.42	-7.14
929	Shell-Thick	SLE-RARA	0.2240	-6.3132	11.42	-6.67
929	Shell-Thick	SLE-RARA	0.9921	-5.7107	11.69	-6.67
929	Shell-Thick	SLE-FREQ.	2.4852	-4.1291	10.66	-6.84
929	Shell-Thick	SLE-FREQ.	1.7745	-4.7030	10.39	-6.84
929	Shell-Thick	SLE-FREQ.	0.1953	-5.6743	10.39	-6.36
929	Shell-Thick	SLE-FREQ.	0.9057	-5.0998	10.66	-6.36
929	Shell-Thick	SLE-QP	1.7631	-2.5929	7.58	-5.93
929	Shell-Thick	SLE-QP	1.2270	-3.0928	7.31	-5.93
929	Shell-Thick	SLE-QP	0.1092	-3.7575	7.31	-5.45

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929	Shell-Thick	SLE-QP	0.6466	-3.2673	7.58	-5.45
930	Shell-Thick	SLU-STATICA	2.8109	-7.1452	15.54	-9.04
930	Shell-Thick	SLU-STATICA	2.5023	-7.7178	15.21	-9.04
930	Shell-Thick	SLU-STATICA	0.2231	-8.3487	15.21	-8.46
930	Shell-Thick	SLU-STATICA	0.4764	-7.3991	15.54	-8.46
930	Shell-Thick	SLU-SISMICA	4.4939	-12.3691	24.49	-9.75
930	Shell-Thick	SLU-SISMICA	4.1472	-12.8674	24.23	-9.75
930	Shell-Thick	SLU-SISMICA	0.5400	-13.7720	24.23	-9.30
930	Shell-Thick	SLU-SISMICA	0.7898	-12.6125	24.49	-9.30
930	Shell-Thick	SLE-RARA	2.0461	-5.1539	11.33	-6.81
930	Shell-Thick	SLE-RARA	1.8141	-5.5915	11.07	-6.81
930	Shell-Thick	SLE-RARA	0.1532	-6.0559	11.07	-6.37
930	Shell-Thick	SLE-RARA	0.3454	-5.3468	11.33	-6.37
930	Shell-Thick	SLE-FREQ.	1.8574	-4.5976	10.32	-6.59
930	Shell-Thick	SLE-FREQ.	1.6342	-5.0304	10.06	-6.59
930	Shell-Thick	SLE-FREQ.	0.1234	-5.4609	10.06	-6.14
930	Shell-Thick	SLE-FREQ.	0.3111	-4.7865	10.32	-6.14
930	Shell-Thick	SLE-QP	1.2911	-2.9284	7.27	-5.91
930	Shell-Thick	SLE-QP	1.0945	-3.3472	7.01	-5.91
930	Shell-Thick	SLE-QP	0.0339	-3.6759	7.01	-5.46
930	Shell-Thick	SLE-QP	0.2083	-3.1057	7.27	-5.46
931	Shell-Thick	SLU-STATICA	2.6207	-6.7037	15.30	-8.55
931	Shell-Thick	SLU-STATICA	1.7417	-7.4266	14.99	-8.55
931	Shell-Thick	SLU-STATICA	-0.5314	-8.8654	14.99	-8.02
931	Shell-Thick	SLU-STATICA	0.3480	-8.1461	15.30	-8.02
931	Shell-Thick	SLU-SISMICA	4.3112	-11.4275	24.37	-8.51
931	Shell-Thick	SLU-SISMICA	3.0997	-12.1270	24.12	-8.51
931	Shell-Thick	SLU-SISMICA	-0.5348	-14.4841	24.12	-8.07
931	Shell-Thick	SLU-SISMICA	0.6703	-13.7408	24.37	-8.07
931	Shell-Thick	SLE-RARA	1.9015	-4.8443	11.14	-6.48
931	Shell-Thick	SLE-RARA	1.2521	-5.3932	10.91	-6.48
931	Shell-Thick	SLE-RARA	-0.4025	-6.4377	10.91	-6.08
931	Shell-Thick	SLE-RARA	0.2476	-5.8939	11.14	-6.08
931	Shell-Thick	SLE-FREQ.	1.7157	-4.3367	10.12	-6.33
931	Shell-Thick	SLE-FREQ.	1.1096	-4.8739	9.89	-6.33
931	Shell-Thick	SLE-FREQ.	-0.3923	-5.8172	9.89	-5.92
931	Shell-Thick	SLE-FREQ.	0.2151	-5.2888	10.12	-5.92
931	Shell-Thick	SLE-QP	1.1583	-2.8137	7.06	-5.86
931	Shell-Thick	SLE-QP	0.6822	-3.3162	6.83	-5.86
931	Shell-Thick	SLE-QP	-0.3617	-3.9558	6.83	-5.46
931	Shell-Thick	SLE-QP	0.1173	-3.4735	7.06	-5.46
932	Shell-Thick	SLU-STATICA	1.8397	-7.3841	14.89	-7.92
932	Shell-Thick	SLU-STATICA	1.5619	-7.9046	14.59	-7.92
932	Shell-Thick	SLU-STATICA	-0.6283	-8.5428	14.59	-7.42
932	Shell-Thick	SLU-STATICA	-0.3936	-7.7287	14.89	-7.42
932	Shell-Thick	SLU-SISMICA	3.2261	-12.3751	23.91	-7.09
932	Shell-Thick	SLU-SISMICA	2.9540	-12.7076	23.65	-7.09
932	Shell-Thick	SLU-SISMICA	-0.5751	-13.6958	23.65	-6.65
932	Shell-Thick	SLU-SISMICA	-0.3807	-12.8329	23.91	-6.65
932	Shell-Thick	SLE-RARA	1.3250	-5.3465	10.83	-6.05
932	Shell-Thick	SLE-RARA	1.1141	-5.7503	10.61	-6.05
932	Shell-Thick	SLE-RARA	-0.4788	-6.2165	10.61	-5.66
932	Shell-Thick	SLE-RARA	-0.2989	-5.6020	10.83	-5.66
932	Shell-Thick	SLE-FREQ.	1.1784	-4.8045	9.82	-5.97
932	Shell-Thick	SLE-FREQ.	0.9723	-5.2138	9.60	-5.97
932	Shell-Thick	SLE-FREQ.	-0.4713	-5.6397	9.60	-5.58
932	Shell-Thick	SLE-FREQ.	-0.2926	-5.0444	9.82	-5.58
932	Shell-Thick	SLE-QP	0.7385	-3.1785	6.80	-5.72
932	Shell-Thick	SLE-QP	0.5466	-3.6043	6.58	-5.72
932	Shell-Thick	SLE-QP	-0.4491	-3.9095	6.58	-5.35
932	Shell-Thick	SLE-QP	-0.2737	-3.3716	6.80	-5.35
933	Shell-Thick	SLU-STATICA	1.6556	-7.0211	14.69	-7.27
933	Shell-Thick	SLU-STATICA	0.9452	-7.6424	14.41	-7.27
933	Shell-Thick	SLU-STATICA	-1.2389	-9.0471	14.41	-6.79
933	Shell-Thick	SLU-STATICA	-0.5258	-8.4452	14.69	-6.79
933	Shell-Thick	SLU-SISMICA	3.0722	-11.5249	23.78	-5.70
933	Shell-Thick	SLU-SISMICA	2.1548	-11.9865	23.51	-5.70
933	Shell-Thick	SLU-SISMICA	-1.3912	-14.2931	23.51	-5.24
933	Shell-Thick	SLU-SISMICA	-0.4781	-13.8027	23.78	-5.24

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933	Shell-Thick	SLE-RARA	1.1839	-5.0958	10.68	-5.59
933	Shell-Thick	SLE-RARA	0.6559	-5.5745	10.46	-5.59
933	Shell-Thick	SLE-RARA	-0.9312	-6.5939	10.46	-5.22
933	Shell-Thick	SLE-RARA	-0.4008	-6.1323	10.68	-5.22
933	Shell-Thick	SLE-FREQ.	1.0383	-4.6000	9.67	-5.58
933	Shell-Thick	SLE-FREQ.	0.5404	-5.0801	9.46	-5.58
933	Shell-Thick	SLE-FREQ.	-0.8957	-6.0002	9.46	-5.22
933	Shell-Thick	SLE-FREQ.	-0.3948	-5.5409	9.67	-5.22
933	Shell-Thick	SLE-QP	0.6014	-3.1127	6.63	-5.55
933	Shell-Thick	SLE-QP	0.1936	-3.5967	6.44	-5.55
933	Shell-Thick	SLE-QP	-0.7893	-4.2191	6.44	-5.21
933	Shell-Thick	SLE-QP	-0.3770	-3.7664	6.63	-5.21
934	Shell-Thick	SLU-STATICA	1.0181	-7.6587	14.32	-6.48
934	Shell-Thick	SLU-STATICA	0.7820	-8.0960	14.04	-6.48
934	Shell-Thick	SLU-STATICA	-1.3301	-8.7455	14.04	-6.00
934	Shell-Thick	SLU-STATICA	-1.1250	-8.0971	14.32	-6.00
934	Shell-Thick	SLU-SISMICA	2.2366	-12.3161	23.34	-4.15
934	Shell-Thick	SLU-SISMICA	2.0470	-12.4542	23.06	-4.15
934	Shell-Thick	SLU-SISMICA	-1.4040	-13.5064	23.06	-3.66
934	Shell-Thick	SLU-SISMICA	-1.2734	-12.9655	23.34	-3.66
934	Shell-Thick	SLE-RARA	0.7107	-5.5712	10.40	-5.02
934	Shell-Thick	SLE-RARA	0.5295	-5.9175	10.19	-5.02
934	Shell-Thick	SLE-RARA	-1.0042	-6.3896	10.19	-4.67
934	Shell-Thick	SLE-RARA	-0.8451	-5.8929	10.40	-4.67
934	Shell-Thick	SLE-FREQ.	0.5930	-5.0511	9.40	-5.09
934	Shell-Thick	SLE-FREQ.	0.4125	-5.4134	9.20	-5.09
934	Shell-Thick	SLE-FREQ.	-0.9733	-5.8408	9.20	-4.74
934	Shell-Thick	SLE-FREQ.	-0.8121	-5.3475	9.40	-4.74
934	Shell-Thick	SLE-QP	0.2400	-3.4908	6.41	-5.29
934	Shell-Thick	SLE-QP	0.0615	-3.9012	6.22	-5.29
934	Shell-Thick	SLE-QP	-0.8808	-4.1944	6.22	-4.98
934	Shell-Thick	SLE-QP	-0.7130	-3.7114	6.41	-4.98
935	Shell-Thick	SLU-STATICA	0.8488	-7.3489	14.14	-5.64
935	Shell-Thick	SLU-STATICA	0.3070	-7.8392	13.86	-5.64
935	Shell-Thick	SLU-STATICA	-1.7965	-9.2025	13.86	-5.17
935	Shell-Thick	SLU-STATICA	-1.2489	-8.7529	14.14	-5.17
935	Shell-Thick	SLU-SISMICA	2.1188	-11.5186	23.18	-2.58
935	Shell-Thick	SLU-SISMICA	1.4777	-11.7188	22.88	-2.58
935	Shell-Thick	SLU-SISMICA	-1.9777	-13.9523	22.88	-2.05
935	Shell-Thick	SLU-SISMICA	-1.3372	-13.7488	23.18	-2.05
935	Shell-Thick	SLE-RARA	0.5799	-5.3608	10.26	-4.42
935	Shell-Thick	SLE-RARA	0.1743	-5.7467	10.06	-4.42
935	Shell-Thick	SLE-RARA	-1.3522	-6.7364	10.06	-4.07
935	Shell-Thick	SLE-RARA	-0.9419	-6.3835	10.26	-4.07
935	Shell-Thick	SLE-FREQ.	0.4612	-4.8860	9.26	-4.57
935	Shell-Thick	SLE-FREQ.	0.0738	-5.2862	9.07	-4.57
935	Shell-Thick	SLE-FREQ.	-1.3040	-6.1800	9.07	-4.22
935	Shell-Thick	SLE-FREQ.	-0.9115	-5.8155	9.26	-4.22
935	Shell-Thick	SLE-QP	0.1052	-3.4614	6.27	-4.99
935	Shell-Thick	SLE-QP	-0.2277	-3.9047	6.10	-4.99
935	Shell-Thick	SLE-QP	-1.1593	-4.5107	6.10	-4.69
935	Shell-Thick	SLE-QP	-0.8200	-4.1116	6.27	-4.69
936	Shell-Thick	SLU-STATICA	0.3530	-7.9125	13.79	-4.66
936	Shell-Thick	SLU-STATICA	0.1689	-8.2327	13.52	-4.66
936	Shell-Thick	SLU-STATICA	-1.8704	-8.8919	13.52	-4.18
936	Shell-Thick	SLU-STATICA	-1.7052	-8.4432	13.79	-4.18
936	Shell-Thick	SLU-SISMICA	1.5149	-12.1215	22.74	-0.86
936	Shell-Thick	SLU-SISMICA	1.4129	-12.0336	22.41	-0.86
936	Shell-Thick	SLU-SISMICA	-1.9537	-13.1254	22.41	-0.29
936	Shell-Thick	SLU-SISMICA	-1.8924	-12.9369	22.74	-0.29
936	Shell-Thick	SLE-RARA	0.2096	-5.7859	10.01	-3.72
936	Shell-Thick	SLE-RARA	0.0660	-6.0488	9.80	-3.72
936	Shell-Thick	SLE-RARA	-1.4131	-6.5268	9.80	-3.36
936	Shell-Thick	SLE-RARA	-1.2828	-6.1738	10.01	-3.36
936	Shell-Thick	SLE-FREQ.	0.1089	-5.2974	9.02	-3.94
936	Shell-Thick	SLE-FREQ.	-0.0379	-5.5873	8.83	-3.94
936	Shell-Thick	SLE-FREQ.	-1.3715	-6.0180	8.83	-3.60
936	Shell-Thick	SLE-FREQ.	-1.2358	-5.6523	9.02	-3.60
936	Shell-Thick	SLE-QP	-0.1930	-3.8317	6.08	-4.60

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936	Shell-Thick	SLE-QP	-0.3495	-4.2028	5.91	-4.60
936	Shell-Thick	SLE-QP	-1.2464	-4.4914	5.91	-4.31
936	Shell-Thick	SLE-QP	-1.0948	-4.0877	6.08	-4.31
937	Shell-Thick	SLU-STATICA	0.2077	-7.6300	13.61	-3.58
937	Shell-Thick	SLU-STATICA	-0.1710	-7.9651	13.31	-3.58
937	Shell-Thick	SLU-STATICA	-2.1963	-9.2527	13.31	-3.09
937	Shell-Thick	SLU-STATICA	-1.8064	-8.9798	13.61	-3.09
937	Shell-Thick	SLU-SISMICA	1.4391	-11.3437	22.53	0.94
937	Shell-Thick	SLU-SISMICA	1.0573	-11.2433	22.15	0.94
937	Shell-Thick	SLU-SISMICA	-2.2974	-13.3400	22.15	1.58
937	Shell-Thick	SLU-SISMICA	-1.9106	-13.4690	22.53	1.58
937	Shell-Thick	SLE-RARA	0.0961	-5.5965	9.87	-2.94
937	Shell-Thick	SLE-RARA	-0.1907	-5.8721	9.65	-2.94
937	Shell-Thick	SLE-RARA	-1.6592	-6.8074	9.65	-2.57
937	Shell-Thick	SLE-RARA	-1.3636	-6.5807	9.87	-2.57
937	Shell-Thick	SLE-FREQ.	-0.0075	-5.1533	8.89	-3.24
937	Shell-Thick	SLE-FREQ.	-0.2870	-5.4580	8.68	-3.24
937	Shell-Thick	SLE-FREQ.	-1.6100	-6.3037	8.68	-2.89
937	Shell-Thick	SLE-FREQ.	-1.3214	-6.0495	8.89	-2.89
937	Shell-Thick	SLE-QP	-0.3182	-3.8238	5.96	-4.14
937	Shell-Thick	SLE-QP	-0.5757	-4.2154	5.79	-4.14
937	Shell-Thick	SLE-QP	-1.4623	-4.7925	5.79	-3.85
937	Shell-Thick	SLE-QP	-1.1948	-4.4560	5.96	-3.85
938	Shell-Thick	SLU-STATICA	-0.1514	-7.9276	13.30	-1.73
938	Shell-Thick	SLU-STATICA	-0.4331	-8.1748	12.67	-1.73
938	Shell-Thick	SLU-STATICA	-2.3834	-8.9603	12.67	-1.18
938	Shell-Thick	SLU-STATICA	-2.1007	-8.7142	13.30	-1.18
938	Shell-Thick	SLU-SISMICA	1.0432	-11.5424	22.09	3.87
938	Shell-Thick	SLU-SISMICA	0.9420	-10.8062	21.23	3.87
938	Shell-Thick	SLU-SISMICA	-2.2880	-12.0765	21.23	4.64
938	Shell-Thick	SLU-SISMICA	-2.2316	-12.7821	22.09	4.64
938	Shell-Thick	SLE-RARA	-0.1742	-5.8269	9.64	-1.59
938	Shell-Thick	SLE-RARA	-0.3967	-6.0632	9.18	-1.59
938	Shell-Thick	SLE-RARA	-1.8108	-6.6343	9.18	-1.18
938	Shell-Thick	SLE-RARA	-1.5852	-6.4004	9.64	-1.18
938	Shell-Thick	SLE-FREQ.	-0.2681	-5.3862	8.68	-2.01
938	Shell-Thick	SLE-FREQ.	-0.4999	-5.6975	8.25	-2.01
938	Shell-Thick	SLE-FREQ.	-1.7740	-6.2146	8.25	-1.63
938	Shell-Thick	SLE-FREQ.	-1.5354	-5.9083	8.68	-1.63
938	Shell-Thick	SLE-QP	-0.5498	-4.0640	5.80	-3.27
938	Shell-Thick	SLE-QP	-0.8096	-4.6003	5.46	-3.27
938	Shell-Thick	SLE-QP	-1.6635	-4.9556	5.46	-2.98
938	Shell-Thick	SLE-QP	-1.3858	-4.4319	5.80	-2.98
939	Shell-Thick	SLU-STATICA	-0.4366	-7.7565	12.77	0.39
939	Shell-Thick	SLU-STATICA	-0.5935	-7.7647	12.44	0.39
939	Shell-Thick	SLU-STATICA	-2.4947	-8.9409	12.44	0.98
939	Shell-Thick	SLU-STATICA	-2.3180	-9.0686	12.77	0.98
939	Shell-Thick	SLU-SISMICA	0.8956	-10.4738	21.36	7.02
939	Shell-Thick	SLU-SISMICA	0.8222	-9.8925	20.86	7.02
939	Shell-Thick	SLU-SISMICA	-2.3545	-11.7937	20.86	7.89
939	Shell-Thick	SLU-SISMICA	-2.2617	-12.5093	21.36	7.89
939	Shell-Thick	SLE-RARA	-0.3972	-5.7420	9.25	-3.123E-02
939	Shell-Thick	SLE-RARA	-0.5202	-5.7776	9.00	-3.123E-02
939	Shell-Thick	SLE-RARA	-1.8973	-6.6327	9.00	0.40
939	Shell-Thick	SLE-RARA	-1.7592	-6.7002	9.25	0.40
939	Shell-Thick	SLE-FREQ.	-0.4968	-5.3771	8.32	-0.58
939	Shell-Thick	SLE-FREQ.	-0.6237	-5.4602	8.09	-0.58
939	Shell-Thick	SLE-FREQ.	-1.8620	-6.2347	8.09	-0.18
939	Shell-Thick	SLE-FREQ.	-1.7205	-6.2523	8.32	-0.18
939	Shell-Thick	SLE-QP	-0.7959	-4.2824	5.52	-2.21
939	Shell-Thick	SLE-QP	-0.9343	-4.5083	5.35	-2.21
939	Shell-Thick	SLE-QP	-1.7562	-5.0408	5.35	-1.91
939	Shell-Thick	SLE-QP	-1.6043	-4.9084	5.52	-1.91
940	Shell-Thick	SLU-STATICA	-0.6187	-7.9802	12.42	2.07
940	Shell-Thick	SLU-STATICA	-0.6108	-7.8100	12.06	2.07
940	Shell-Thick	SLU-STATICA	-2.4521	-8.3819	12.06	2.69
940	Shell-Thick	SLU-STATICA	-2.4494	-8.6255	12.42	2.69
940	Shell-Thick	SLU-SISMICA	0.7520	-10.4612	20.81	9.38
940	Shell-Thick	SLU-SISMICA	0.9105	-9.6197	20.26	9.38

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940	Shell-Thick	SLU-SISMICA	-2.1727	-10.5645	20.26	10.33
940	Shell-Thick	SLU-SISMICA	-2.3269	-11.4377	20.81	10.33
940	Shell-Thick	SLE-RARA	-0.5371	-5.9233	8.99	1.20
940	Shell-Thick	SLE-RARA	-0.5386	-5.8278	8.73	1.20
940	Shell-Thick	SLE-RARA	-1.8719	-6.2425	8.73	1.66
940	Shell-Thick	SLE-RARA	-1.8621	-6.3958	8.99	1.66
940	Shell-Thick	SLE-FREQ.	-0.6365	-5.5734	8.08	0.57
940	Shell-Thick	SLE-FREQ.	-0.6504	-5.5354	7.84	0.57
940	Shell-Thick	SLE-FREQ.	-1.8487	-5.9092	7.84	0.99
940	Shell-Thick	SLE-FREQ.	-1.8263	-6.0070	8.08	0.99
940	Shell-Thick	SLE-QP	-0.9348	-4.5236	5.35	-1.32
940	Shell-Thick	SLE-QP	-0.9856	-4.6582	5.17	-1.32
940	Shell-Thick	SLE-QP	-1.7792	-4.9094	5.17	-1.02
940	Shell-Thick	SLE-QP	-1.7187	-4.8406	5.35	-1.02
941	Shell-Thick	SLU-STATICA	-0.6449	-7.5177	12.16	3.89
941	Shell-Thick	SLU-STATICA	-0.6593	-7.2414	11.77	3.89
941	Shell-Thick	SLU-STATICA	-2.4681	-8.2577	11.77	4.58
941	Shell-Thick	SLU-STATICA	-2.4269	-8.7185	12.16	4.58
941	Shell-Thick	SLU-SISMICA	0.8292	-9.3762	20.41	11.88
941	Shell-Thick	SLU-SISMICA	0.9405	-8.4004	19.80	11.88
941	Shell-Thick	SLU-SISMICA	-2.0912	-10.0298	19.80	12.94
941	Shell-Thick	SLU-SISMICA	-2.1724	-11.2128	20.41	12.94
941	Shell-Thick	SLE-RARA	-0.5621	-5.6039	8.81	2.55
941	Shell-Thick	SLE-RARA	-0.5793	-5.4293	8.52	2.55
941	Shell-Thick	SLE-RARA	-1.8889	-6.1688	8.52	3.05
941	Shell-Thick	SLE-RARA	-1.8516	-6.4821	8.81	3.05
941	Shell-Thick	SLE-FREQ.	-0.6694	-5.3130	7.91	1.83
941	Shell-Thick	SLE-FREQ.	-0.6964	-5.2002	7.65	1.83
941	Shell-Thick	SLE-FREQ.	-1.8733	-5.8711	7.65	2.29
941	Shell-Thick	SLE-FREQ.	-1.8269	-6.1172	7.91	2.29
941	Shell-Thick	SLE-QP	-0.9912	-4.4403	5.23	-0.32
941	Shell-Thick	SLE-QP	-1.0480	-4.5129	5.04	-0.32
941	Shell-Thick	SLE-QP	-1.8266	-4.9779	5.04	5.017E-03
941	Shell-Thick	SLE-QP	-1.7526	-5.0228	5.23	5.017E-03
942	Shell-Thick	SLU-STATICA	-0.7138	-7.4914	11.78	5.92
942	Shell-Thick	SLU-STATICA	-0.6174	-7.0270	11.35	5.92
942	Shell-Thick	SLU-STATICA	-2.3641	-7.4927	11.35	6.66
942	Shell-Thick	SLU-STATICA	-2.4365	-8.1223	11.78	6.66
942	Shell-Thick	SLU-SISMICA	0.8297	-8.9879	19.79	14.57
942	Shell-Thick	SLU-SISMICA	1.0867	-7.7563	19.12	14.57
942	Shell-Thick	SLU-SISMICA	-1.8453	-8.5229	19.12	15.73
942	Shell-Thick	SLU-SISMICA	-2.0773	-9.9268	19.79	15.73
942	Shell-Thick	SLE-RARA	-0.6178	-5.6019	8.52	4.05
942	Shell-Thick	SLE-RARA	-0.5527	-5.2883	8.21	4.05
942	Shell-Thick	SLE-RARA	-1.8172	-5.6262	8.21	4.59
942	Shell-Thick	SLE-RARA	-1.8641	-6.0646	8.52	4.59
942	Shell-Thick	SLE-FREQ.	-0.7294	-5.3408	7.65	3.24
942	Shell-Thick	SLE-FREQ.	-0.6792	-5.0980	7.37	3.24
942	Shell-Thick	SLE-FREQ.	-1.8150	-5.4028	7.37	3.73
942	Shell-Thick	SLE-FREQ.	-1.8477	-5.7668	7.65	3.73
942	Shell-Thick	SLE-QP	-1.0642	-4.5575	5.05	0.81
942	Shell-Thick	SLE-QP	-1.0584	-4.5270	4.84	0.81
942	Shell-Thick	SLE-QP	-1.8085	-4.7327	4.84	1.16
942	Shell-Thick	SLE-QP	-1.7983	-4.8733	5.05	1.16
943	Shell-Thick	SLU-STATICA	-0.6805	-6.8517	11.46	8.12
943	Shell-Thick	SLU-STATICA	-0.5635	-6.2325	10.99	8.12
943	Shell-Thick	SLU-STATICA	-2.2660	-7.0361	10.99	8.93
943	Shell-Thick	SLU-STATICA	-2.3474	-7.8998	11.46	8.93
943	Shell-Thick	SLU-SISMICA	0.9657	-7.6662	19.29	17.41
943	Shell-Thick	SLU-SISMICA	1.2321	-6.2445	18.54	17.41
943	Shell-Thick	SLU-SISMICA	-1.6274	-7.5232	18.54	18.71
943	Shell-Thick	SLU-SISMICA	-1.8505	-9.2437	19.29	18.71
943	Shell-Thick	SLE-RARA	-0.5976	-5.1512	8.30	5.69
943	Shell-Thick	SLE-RARA	-0.5165	-4.7220	7.95	5.69
943	Shell-Thick	SLE-RARA	-1.7489	-5.3072	7.95	6.28
943	Shell-Thick	SLE-RARA	-1.8035	-5.9190	8.30	6.28
943	Shell-Thick	SLE-FREQ.	-0.7182	-4.9572	7.45	4.78
943	Shell-Thick	SLE-FREQ.	-0.6513	-4.6046	7.14	4.78
943	Shell-Thick	SLE-FREQ.	-1.7582	-5.1363	7.14	5.32

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943	Shell-Thick	SLE-FREQ.	-1.7998	-5.6626	7.45	5.32
943	Shell-Thick	SLE-QP	-1.0798	-4.3754	4.91	2.07
943	Shell-Thick	SLE-QP	-1.0558	-4.2523	4.69	2.07
943	Shell-Thick	SLE-QP	-1.7863	-4.6237	4.69	2.45
943	Shell-Thick	SLE-QP	-1.7890	-4.8935	4.91	2.45
944	Shell-Thick	SLU-STATICA	-0.6472	-6.5235	11.03	10.52
944	Shell-Thick	SLU-STATICA	-0.4503	-5.7015	10.51	10.52
944	Shell-Thick	SLU-STATICA	-2.0853	-5.9684	10.51	11.40
944	Shell-Thick	SLU-STATICA	-2.2440	-7.0531	11.03	11.40
944	Shell-Thick	SLU-SISMICA	1.0822	-6.8575	18.58	20.46
944	Shell-Thick	SLU-SISMICA	1.4436	-5.1775	17.76	20.46
944	Shell-Thick	SLU-SISMICA	-1.3059	-5.6230	17.76	21.87
944	Shell-Thick	SLU-SISMICA	-1.6205	-7.6254	18.58	21.87
944	Shell-Thick	SLE-RARA	-0.5765	-4.9264	7.98	7.47
944	Shell-Thick	SLE-RARA	-0.4355	-4.3463	7.61	7.47
944	Shell-Thick	SLE-RARA	-1.6190	-4.5396	7.61	8.12
944	Shell-Thick	SLE-RARA	-1.7314	-5.3159	7.98	8.12
944	Shell-Thick	SLE-FREQ.	-0.7044	-4.7775	7.16	6.47
944	Shell-Thick	SLE-FREQ.	-0.5804	-4.2822	6.82	6.47
944	Shell-Thick	SLE-FREQ.	-1.6431	-4.4561	6.82	7.06
944	Shell-Thick	SLE-FREQ.	-1.7400	-5.1378	7.16	7.06
944	Shell-Thick	SLE-QP	-1.0882	-4.3308	4.71	3.47
944	Shell-Thick	SLE-QP	-1.0151	-4.0900	4.47	3.47
944	Shell-Thick	SLE-QP	-1.7155	-4.2055	4.47	3.88
944	Shell-Thick	SLE-QP	-1.7656	-4.6035	4.71	3.88
945	Shell-Thick	SLU-STATICA	-0.5423	-5.6143	10.65	13.11
945	Shell-Thick	SLU-STATICA	-0.3056	-4.5898	10.08	13.11
945	Shell-Thick	SLU-STATICA	-1.8838	-5.1206	10.08	14.08
945	Shell-Thick	SLU-STATICA	-2.0745	-6.4614	10.65	14.08
945	Shell-Thick	SLU-SISMICA	1.2838	-5.1911	17.95	23.68
945	Shell-Thick	SLU-SISMICA	1.6774	-3.2677	17.05	23.68
945	Shell-Thick	SLU-SISMICA	-0.9781	-4.1071	17.05	25.24
945	Shell-Thick	SLU-SISMICA	-1.3122	-6.4394	17.95	25.24
945	Shell-Thick	SLE-RARA	-0.5019	-4.2753	7.70	9.41
945	Shell-Thick	SLE-RARA	-0.3304	-3.5437	7.29	9.41
945	Shell-Thick	SLE-RARA	-1.4725	-3.9306	7.29	10.11
945	Shell-Thick	SLE-RARA	-1.6099	-4.8971	7.70	10.11
945	Shell-Thick	SLE-FREQ.	-0.6396	-4.2046	6.91	8.31
945	Shell-Thick	SLE-FREQ.	-0.4852	-3.5650	6.54	8.31
945	Shell-Thick	SLE-FREQ.	-1.5107	-3.9170	6.54	8.95
945	Shell-Thick	SLE-FREQ.	-1.6328	-4.7782	6.91	8.95
945	Shell-Thick	SLE-QP	-1.0527	-3.9928	4.54	5.00
945	Shell-Thick	SLE-QP	-0.9496	-3.6288	4.28	5.00
945	Shell-Thick	SLE-QP	-1.6250	-3.8761	4.28	5.45
945	Shell-Thick	SLE-QP	-1.7017	-4.4214	4.54	5.45
946	Shell-Thick	SLU-STATICA	-0.4188	-4.9400	10.14	15.91
946	Shell-Thick	SLU-STATICA	-0.1154	-3.6946	9.53	15.91
946	Shell-Thick	SLU-STATICA	-1.6178	-3.6397	9.53	16.97
946	Shell-Thick	SLU-STATICA	-1.8674	-5.2545	10.14	16.97
946	Shell-Thick	SLU-SISMICA	1.4882	-3.9326	17.12	27.11
946	Shell-Thick	SLU-SISMICA	1.9529	-1.7440	16.14	27.11
946	Shell-Thick	SLU-SISMICA	-0.5783	-1.6833	16.14	28.80
946	Shell-Thick	SLU-SISMICA	-0.9722	-4.3585	17.12	28.80
946	Shell-Thick	SLE-RARA	-0.4124	-3.7934	7.34	11.50
946	Shell-Thick	SLE-RARA	-0.1905	-2.8967	6.89	11.50
946	Shell-Thick	SLE-RARA	-1.2777	-2.8554	6.89	12.27
946	Shell-Thick	SLE-RARA	-1.4596	-4.0262	7.34	12.27
946	Shell-Thick	SLE-FREQ.	-0.5589	-3.7826	6.58	10.29
946	Shell-Thick	SLE-FREQ.	-0.3558	-2.9856	6.18	10.29
946	Shell-Thick	SLE-FREQ.	-1.3316	-2.9458	6.18	10.99
946	Shell-Thick	SLE-FREQ.	-1.4972	-4.0006	6.58	10.99
946	Shell-Thick	SLE-QP	-0.9986	-3.7504	4.32	6.68
946	Shell-Thick	SLE-QP	-0.8516	-3.2523	4.04	6.68
946	Shell-Thick	SLE-QP	-1.4934	-3.2169	4.04	7.17
946	Shell-Thick	SLE-QP	-1.6099	-3.9237	4.32	7.17
947	Shell-Thick	SLU-STATICA	-0.2371	-3.6614	9.68	18.92
947	Shell-Thick	SLU-STATICA	0.1164	-2.1647	9.02	18.92
947	Shell-Thick	SLU-STATICA	-1.3156	-2.3523	9.02	20.07
947	Shell-Thick	SLU-STATICA	-1.6110	-4.2475	9.68	20.07



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947	Shell-Thick	SLU-SISMICA	1.7537	-1.8083	16.37	30.73
947	Shell-Thick	SLU-SISMICA	2.2614	0.6770	15.30	30.73
947	Shell-Thick	SLU-SISMICA	-0.1537	0.3812	15.30	32.57
947	Shell-Thick	SLU-SISMICA	-0.5833	-2.6404	16.37	32.57
947	Shell-Thick	SLE-RARA	-0.2788	-2.8667	7.00	13.75
947	Shell-Thick	SLE-RARA	-0.0187	-1.7818	6.52	13.75
947	Shell-Thick	SLE-RARA	-1.0548	-1.9186	6.52	14.59
947	Shell-Thick	SLE-RARA	-1.2719	-3.2985	7.00	14.59
947	Shell-Thick	SLE-FREQ.	-0.4356	-2.9483	6.28	12.44
947	Shell-Thick	SLE-FREQ.	-0.1945	-1.9714	5.84	12.44
947	Shell-Thick	SLE-FREQ.	-1.1243	-2.0960	5.84	13.20
947	Shell-Thick	SLE-FREQ.	-1.3250	-3.3493	6.28	13.20
947	Shell-Thick	SLE-QP	-0.9058	-3.1932	4.12	8.51
947	Shell-Thick	SLE-QP	-0.7220	-2.5403	3.81	8.51
947	Shell-Thick	SLE-QP	-1.3327	-2.6280	3.81	9.04
947	Shell-Thick	SLE-QP	-1.4844	-3.5015	4.12	9.04
948	Shell-Thick	SLU-STATICA	-0.0279	-2.6027	9.09	22.14
948	Shell-Thick	SLU-STATICA	0.3857	-0.8663	8.37	22.14
948	Shell-Thick	SLU-STATICA	-0.9596	-0.3429	8.37	23.40
948	Shell-Thick	SLU-STATICA	-1.3020	-2.5678	9.09	23.40
948	Shell-Thick	SLU-SISMICA	2.0304	-0.0851	15.41	34.55
948	Shell-Thick	SLU-SISMICA	2.5966	2.6727	14.24	34.55
948	Shell-Thick	SLU-SISMICA	0.3236	3.4594	14.24	36.56
948	Shell-Thick	SLU-SISMICA	-0.1450	0.0313	15.41	36.56
948	Shell-Thick	SLE-RARA	-0.1237	-2.0975	6.57	16.16
948	Shell-Thick	SLE-RARA	0.1821	-0.8327	6.05	16.16
948	Shell-Thick	SLE-RARA	-0.7911	-0.4493	6.05	17.07
948	Shell-Thick	SLE-RARA	-1.0442	-2.0752	6.57	17.07
948	Shell-Thick	SLE-FREQ.	-0.2898	-2.2527	5.89	14.74
948	Shell-Thick	SLE-FREQ.	-0.0041	-1.1031	5.41	14.74
948	Shell-Thick	SLE-FREQ.	-0.8770	-0.7507	5.41	15.57
948	Shell-Thick	SLE-FREQ.	-1.1136	-2.2376	5.89	15.57
948	Shell-Thick	SLE-QP	-0.7881	-2.7183	3.85	10.48
948	Shell-Thick	SLE-QP	-0.5627	-1.9140	3.52	10.48
948	Shell-Thick	SLE-QP	-1.1349	-1.6549	3.52	11.06
948	Shell-Thick	SLE-QP	-1.3216	-2.7249	3.85	11.06
949	Shell-Thick	SLU-STATICA	0.2325	-0.8512	8.56	25.59
949	Shell-Thick	SLU-STATICA	0.7137	1.1884	7.78	25.59
949	Shell-Thick	SLU-STATICA	-0.5473	1.4180	7.78	26.93
949	Shell-Thick	SLU-STATICA	-0.9572	-1.1111	8.56	26.93
949	Shell-Thick	SLU-SISMICA	2.3542	2.6073	14.52	38.59
949	Shell-Thick	SLU-SISMICA	2.9872	5.7188	13.27	38.59
949	Shell-Thick	SLU-SISMICA	0.8527	6.0772	13.27	40.74
949	Shell-Thick	SLU-SISMICA	0.3184	2.2876	14.52	40.74
949	Shell-Thick	SLE-RARA	0.0705	-0.8173	6.19	18.74
949	Shell-Thick	SLE-RARA	0.4276	0.6748	5.62	18.74
949	Shell-Thick	SLE-RARA	-0.4844	0.8423	5.62	19.72
949	Shell-Thick	SLE-RARA	-0.7888	-1.0112	6.19	19.72
949	Shell-Thick	SLE-FREQ.	-0.1056	-1.0814	5.54	17.21
949	Shell-Thick	SLE-FREQ.	0.2302	0.2858	5.03	17.21
949	Shell-Thick	SLE-FREQ.	-0.5875	0.4386	5.03	18.10
949	Shell-Thick	SLE-FREQ.	-0.8742	-1.2656	5.54	18.10
949	Shell-Thick	SLE-QP	-0.6339	-1.8736	3.62	12.62
949	Shell-Thick	SLE-QP	-0.3620	-0.8810	3.26	12.62
949	Shell-Thick	SLE-QP	-0.8968	-0.7724	3.26	13.23
949	Shell-Thick	SLE-QP	-1.1303	-2.0288	3.62	13.23
950	Shell-Thick	SLU-STATICA	0.5556	0.6589	7.85	29.01
950	Shell-Thick	SLU-STATICA	0.9955	2.5661	7.11	29.01
950	Shell-Thick	SLU-STATICA	-0.1493	3.8031	7.11	30.46
950	Shell-Thick	SLU-STATICA	-0.5443	1.1716	7.85	30.46
950	Shell-Thick	SLU-SISMICA	2.7386	4.8469	13.37	42.55
950	Shell-Thick	SLU-SISMICA	3.2953	7.6726	12.20	42.55
950	Shell-Thick	SLU-SISMICA	1.3454	9.5483	12.20	44.87
950	Shell-Thick	SLU-SISMICA	0.8519	5.7022	13.37	44.87
950	Shell-Thick	SLE-RARA	0.3123	0.2906	5.67	21.31
950	Shell-Thick	SLE-RARA	0.6397	1.6901	5.14	21.31
950	Shell-Thick	SLE-RARA	-0.1876	2.5955	5.14	22.36
950	Shell-Thick	SLE-RARA	-0.4820	0.6621	5.67	22.36
950	Shell-Thick	SLE-FREQ.	0.1252	-0.0607	5.08	19.67



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950	Shell-Thick	SLE-FREQ.	0.4350	1.2287	4.59	19.67
950	Shell-Thick	SLE-FREQ.	-0.3058	2.0593	4.59	20.63
950	Shell-Thick	SLE-FREQ.	-0.5848	0.2734	5.08	20.63
950	Shell-Thick	SLE-QP	-0.4362	-1.1148	3.30	14.75
950	Shell-Thick	SLE-QP	-0.1794	-0.1553	2.96	14.75
950	Shell-Thick	SLE-QP	-0.6605	0.4509	2.96	15.42
950	Shell-Thick	SLE-QP	-0.8934	-0.8925	3.30	15.42
951	Shell-Thick	SLU-STATICA	3.3457	-7.6931	15.87	-9.63
951	Shell-Thick	SLU-STATICA	3.1640	-8.1960	15.08	-9.63
951	Shell-Thick	SLU-STATICA	0.8822	-8.6627	15.08	-8.27
951	Shell-Thick	SLU-STATICA	0.9829	-7.6083	15.87	-8.27
951	Shell-Thick	SLU-SISMICA	4.9351	-13.4181	23.62	-13.09
951	Shell-Thick	SLU-SISMICA	4.7055	-14.0362	22.88	-13.09
951	Shell-Thick	SLU-SISMICA	1.2855	-14.4287	22.88	-11.82
951	Shell-Thick	SLU-SISMICA	1.3785	-12.8801	23.62	-11.82
951	Shell-Thick	SLE-RARA	2.4560	-5.5442	11.64	-7.13
951	Shell-Thick	SLE-RARA	2.3207	-5.9194	11.04	-7.13
951	Shell-Thick	SLE-RARA	0.6484	-6.2767	11.04	-6.09
951	Shell-Thick	SLE-RARA	0.7251	-5.5025	11.64	-6.09
951	Shell-Thick	SLE-FREQ.	2.2648	-4.9370	10.72	-6.67
951	Shell-Thick	SLE-FREQ.	2.1368	-5.2935	10.13	-6.67
951	Shell-Thick	SLE-FREQ.	0.5993	-5.6481	10.13	-5.65
951	Shell-Thick	SLE-FREQ.	0.6747	-4.9336	10.72	-5.65
951	Shell-Thick	SLE-QP	1.6913	-3.1154	7.95	-5.28
951	Shell-Thick	SLE-QP	1.5851	-3.4158	7.39	-5.28
951	Shell-Thick	SLE-QP	0.4519	-3.7622	7.39	-4.32
951	Shell-Thick	SLE-QP	0.5235	-3.2268	7.95	-4.32
952	Shell-Thick	SLU-STATICA	3.2925	-7.0153	15.20	-9.31
952	Shell-Thick	SLU-STATICA	2.2011	-7.7882	14.81	-9.31
952	Shell-Thick	SLU-STATICA	-0.0495	-9.2013	14.81	-8.63
952	Shell-Thick	SLU-STATICA	1.0397	-8.4141	15.20	-8.63
952	Shell-Thick	SLU-SISMICA	4.9103	-12.1770	23.06	-11.90
952	Shell-Thick	SLU-SISMICA	3.2608	-13.1737	22.82	-11.90
952	Shell-Thick	SLU-SISMICA	-0.1785	-15.4049	22.82	-11.48
952	Shell-Thick	SLU-SISMICA	1.4648	-14.3672	23.06	-11.48
952	Shell-Thick	SLE-RARA	2.4142	-5.0586	11.13	-6.92
952	Shell-Thick	SLE-RARA	1.6150	-5.6331	10.82	-6.92
952	Shell-Thick	SLE-RARA	-0.0311	-6.6631	10.82	-6.40
952	Shell-Thick	SLE-RARA	0.7666	-6.0790	11.13	-6.40
952	Shell-Thick	SLE-FREQ.	2.2217	-4.5096	10.21	-6.54
952	Shell-Thick	SLE-FREQ.	1.4881	-5.0516	9.90	-6.54
952	Shell-Thick	SLE-FREQ.	-0.0197	-5.9889	9.90	-6.00
952	Shell-Thick	SLE-FREQ.	0.7128	-5.4399	10.21	-6.00
952	Shell-Thick	SLE-QP	1.6443	-2.8629	7.45	-5.39
952	Shell-Thick	SLE-QP	1.1074	-3.3072	7.12	-5.39
952	Shell-Thick	SLE-QP	0.0144	-3.9666	7.12	-4.83
952	Shell-Thick	SLE-QP	0.5513	-3.5225	7.45	-4.83
953	Shell-Thick	SLU-STATICA	2.3209	-7.7787	14.67	-8.96
953	Shell-Thick	SLU-STATICA	2.1356	-8.2955	14.23	-8.96
953	Shell-Thick	SLU-STATICA	0.0013	-8.7424	14.23	-8.19
953	Shell-Thick	SLU-STATICA	0.1194	-7.7670	14.67	-8.19
953	Shell-Thick	SLU-SISMICA	3.4415	-13.4602	22.54	-10.69
953	Shell-Thick	SLU-SISMICA	3.2459	-13.9750	22.21	-10.69
953	Shell-Thick	SLU-SISMICA	-0.0540	-14.4808	22.21	-10.12
953	Shell-Thick	SLU-SISMICA	0.0273	-13.1861	22.54	-10.12
953	Shell-Thick	SLE-RARA	1.7028	-5.6111	10.72	-6.70
953	Shell-Thick	SLE-RARA	1.5629	-6.0028	10.38	-6.70
953	Shell-Thick	SLE-RARA	0.0038	-6.3386	10.38	-6.11
953	Shell-Thick	SLE-RARA	0.0951	-5.6153	10.72	-6.11
953	Shell-Thick	SLE-FREQ.	1.5688	-5.0059	9.81	-6.40
953	Shell-Thick	SLE-FREQ.	1.4331	-5.3881	9.47	-6.40
953	Shell-Thick	SLE-FREQ.	0.0082	-5.7107	9.47	-5.81
953	Shell-Thick	SLE-FREQ.	0.1003	-5.0315	9.81	-5.81
953	Shell-Thick	SLE-QP	1.1666	-3.1901	7.08	-5.47
953	Shell-Thick	SLE-QP	1.0437	-3.5438	6.74	-5.47
953	Shell-Thick	SLE-QP	0.0216	-3.8271	6.74	-4.88
953	Shell-Thick	SLE-QP	0.1160	-3.2801	7.08	-4.88
954	Shell-Thick	SLU-STATICA	2.2533	-7.2269	14.33	-8.59
954	Shell-Thick	SLU-STATICA	1.3364	-7.9428	13.95	-8.59

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954	Shell-Thick	SLU-STATICA	-0.7852	-9.2956	13.95	-7.93
954	Shell-Thick	SLU-STATICA	0.1309	-8.5746	14.33	-7.93
954	Shell-Thick	SLU-SISMICA	3.4211	-12.3794	22.37	-9.51
954	Shell-Thick	SLU-SISMICA	2.1095	-13.1650	22.09	-9.51
954	Shell-Thick	SLU-SISMICA	-1.2223	-15.3423	22.09	-9.03
954	Shell-Thick	SLU-SISMICA	0.0831	-14.5151	22.37	-9.03
954	Shell-Thick	SLE-RARA	1.6492	-5.2194	10.46	-6.46
954	Shell-Thick	SLE-RARA	0.9741	-5.7584	10.17	-6.46
954	Shell-Thick	SLE-RARA	-0.5732	-6.7424	10.17	-5.95
954	Shell-Thick	SLE-RARA	0.1015	-6.2013	10.46	-5.95
954	Shell-Thick	SLE-FREQ.	1.5126	-4.6672	9.54	-6.23
954	Shell-Thick	SLE-FREQ.	0.8866	-5.1872	9.25	-6.23
954	Shell-Thick	SLE-FREQ.	-0.5231	-6.0792	9.25	-5.72
954	Shell-Thick	SLE-FREQ.	0.1030	-5.5602	9.54	-5.72
954	Shell-Thick	SLE-QP	1.1027	-3.0109	6.79	-5.52
954	Shell-Thick	SLE-QP	0.6239	-3.4738	6.49	-5.52
954	Shell-Thick	SLE-QP	-0.3729	-4.0897	6.49	-5.01
954	Shell-Thick	SLE-QP	0.1072	-3.6369	6.79	-5.01
955	Shell-Thick	SLU-STATICA	1.4348	-7.9724	13.83	-8.06
955	Shell-Thick	SLU-STATICA	1.2651	-8.4625	13.47	-8.06
955	Shell-Thick	SLU-STATICA	-0.7556	-8.9044	13.47	-7.44
955	Shell-Thick	SLU-STATICA	-0.6397	-8.0468	13.83	-7.44
955	Shell-Thick	SLU-SISMICA	2.2474	-13.5056	21.84	-8.14
955	Shell-Thick	SLU-SISMICA	2.1091	-13.8751	21.56	-8.14
955	Shell-Thick	SLU-SISMICA	-1.1005	-14.4827	21.56	-7.66
955	Shell-Thick	SLU-SISMICA	-1.0554	-13.4777	21.84	-7.66
955	Shell-Thick	SLE-RARA	1.0467	-5.7653	10.08	-6.10
955	Shell-Thick	SLE-RARA	0.9165	-6.1427	9.80	-6.10
955	Shell-Thick	SLE-RARA	-0.5553	-6.4693	9.80	-5.62
955	Shell-Thick	SLE-RARA	-0.4640	-5.8268	10.08	-5.62
955	Shell-Thick	SLE-FREQ.	0.9542	-5.1684	9.17	-5.95
955	Shell-Thick	SLE-FREQ.	0.8246	-5.5464	8.89	-5.95
955	Shell-Thick	SLE-FREQ.	-0.5133	-5.8514	8.89	-5.47
955	Shell-Thick	SLE-FREQ.	-0.4184	-5.2368	9.17	-5.47
955	Shell-Thick	SLE-QP	0.6764	-3.3778	6.45	-5.47
955	Shell-Thick	SLE-QP	0.5487	-3.7576	6.17	-5.47
955	Shell-Thick	SLE-QP	-0.3872	-3.9976	6.17	-4.99
955	Shell-Thick	SLE-QP	-0.2816	-3.4668	6.45	-4.99
956	Shell-Thick	SLU-STATICA	1.3613	-7.5186	13.57	-7.52
956	Shell-Thick	SLU-STATICA	0.6231	-8.1517	13.24	-7.52
956	Shell-Thick	SLU-STATICA	-1.3886	-9.4601	13.24	-6.94
956	Shell-Thick	SLU-STATICA	-0.6492	-8.8355	13.57	-6.94
956	Shell-Thick	SLU-SISMICA	2.2418	-12.5410	21.71	-6.81
956	Shell-Thick	SLU-SISMICA	1.2528	-13.0977	21.44	-6.81
956	Shell-Thick	SLU-SISMICA	-1.9824	-15.2299	21.44	-6.35
956	Shell-Thick	SLU-SISMICA	-0.9982	-14.6416	21.71	-6.35
956	Shell-Thick	SLE-RARA	0.9877	-5.4469	9.88	-5.73
956	Shell-Thick	SLE-RARA	0.4407	-5.9304	9.62	-5.73
956	Shell-Thick	SLE-RARA	-1.0226	-6.8808	9.62	-5.29
956	Shell-Thick	SLE-RARA	-0.4746	-6.4057	9.88	-5.29
956	Shell-Thick	SLE-FREQ.	0.8909	-4.8998	8.96	-5.65
956	Shell-Thick	SLE-FREQ.	0.3781	-5.3777	8.71	-5.65
956	Shell-Thick	SLE-FREQ.	-0.9486	-6.2369	8.71	-5.21
956	Shell-Thick	SLE-FREQ.	-0.4342	-5.7706	8.96	-5.21
956	Shell-Thick	SLE-QP	0.6008	-3.2587	6.23	-5.40
956	Shell-Thick	SLE-QP	0.1903	-3.7197	5.98	-5.40
956	Shell-Thick	SLE-QP	-0.7266	-4.3055	5.98	-4.96
956	Shell-Thick	SLE-QP	-0.3131	-3.8653	6.23	-4.96
957	Shell-Thick	SLU-STATICA	0.6989	-8.2288	13.13	-6.81
957	Shell-Thick	SLU-STATICA	0.5597	-8.6589	12.81	-6.81
957	Shell-Thick	SLU-STATICA	-1.3662	-9.1076	12.81	-6.27
957	Shell-Thick	SLU-STATICA	-1.2678	-8.3999	13.13	-6.27
957	Shell-Thick	SLU-SISMICA	1.3485	-13.5015	21.23	-5.29
957	Shell-Thick	SLU-SISMICA	1.2830	-13.6942	20.97	-5.29
957	Shell-Thick	SLU-SISMICA	-1.8467	-14.3922	20.97	-4.83
957	Shell-Thick	SLU-SISMICA	-1.8537	-13.7044	21.23	-4.83
957	Shell-Thick	SLE-RARA	0.4972	-5.9725	9.54	-5.24
957	Shell-Thick	SLE-RARA	0.3881	-6.3103	9.30	-5.24
957	Shell-Thick	SLE-RARA	-1.0113	-6.6378	9.30	-4.82

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957	Shell-Thick	SLE-RARA	-0.9315	-6.1006	9.54	-4.82
957	Shell-Thick	SLE-FREQ.	0.4316	-5.3920	8.64	-5.23
957	Shell-Thick	SLE-FREQ.	0.3191	-5.7409	8.40	-5.23
957	Shell-Thick	SLE-FREQ.	-0.9469	-6.0399	8.40	-4.82
957	Shell-Thick	SLE-FREQ.	-0.8603	-5.5143	8.64	-4.82
957	Shell-Thick	SLE-QP	0.2346	-3.6502	5.94	-5.22
957	Shell-Thick	SLE-QP	0.1121	-4.0327	5.71	-5.22
957	Shell-Thick	SLE-QP	-0.7536	-4.2460	5.71	-4.82
957	Shell-Thick	SLE-QP	-0.6470	-3.7552	5.94	-4.82
958	Shell-Thick	SLU-STATICA	0.6315	-7.8454	12.92	-6.07
958	Shell-Thick	SLU-STATICA	0.0746	-8.3649	12.62	-6.07
958	Shell-Thick	SLU-STATICA	-1.8430	-9.6335	12.62	-5.56
958	Shell-Thick	SLU-STATICA	-1.2821	-9.1414	12.92	-5.56
958	Shell-Thick	SLU-SISMICA	1.3714	-12.6106	21.11	-3.78
958	Shell-Thick	SLU-SISMICA	0.6896	-12.9136	20.83	-3.78
958	Shell-Thick	SLU-SISMICA	-2.4562	-14.9949	20.83	-3.31
958	Shell-Thick	SLU-SISMICA	-1.7762	-14.6811	21.11	-3.31
958	Shell-Thick	SLE-RARA	0.4417	-5.7074	9.38	-4.72
958	Shell-Thick	SLE-RARA	0.0259	-6.1118	9.15	-4.72
958	Shell-Thick	SLE-RARA	-1.3659	-7.0325	9.15	-4.32
958	Shell-Thick	SLE-RARA	-0.9469	-6.6508	9.38	-4.32
958	Shell-Thick	SLE-FREQ.	0.3700	-5.1750	8.47	-4.79
958	Shell-Thick	SLE-FREQ.	-0.0253	-5.5873	8.25	-4.79
958	Shell-Thick	SLE-FREQ.	-1.2818	-6.4185	8.25	-4.40
958	Shell-Thick	SLE-FREQ.	-0.8829	-6.0316	8.47	-4.40
958	Shell-Thick	SLE-QP	0.1549	-3.5780	5.76	-5.00
958	Shell-Thick	SLE-QP	-0.1789	-4.0137	5.55	-5.00
958	Shell-Thick	SLE-QP	-1.0296	-4.5765	5.55	-4.63
958	Shell-Thick	SLE-QP	-0.6911	-4.1738	5.76	-4.63
959	Shell-Thick	SLU-STATICA	0.1260	-8.4904	12.53	-5.18
959	Shell-Thick	SLU-STATICA	0.0287	-8.8249	12.24	-5.18
959	Shell-Thick	SLU-STATICA	-1.8154	-9.2877	12.24	-4.68
959	Shell-Thick	SLU-STATICA	-1.7458	-8.7650	12.53	-4.68
959	Shell-Thick	SLU-SISMICA	0.7429	-13.3780	20.66	-2.09
959	Shell-Thick	SLU-SISMICA	0.7582	-13.3598	20.38	-2.09
959	Shell-Thick	SLU-SISMICA	-2.2945	-14.1338	20.38	-1.60
959	Shell-Thick	SLU-SISMICA	-2.3623	-13.7944	20.66	-1.60
959	Shell-Thick	SLE-RARA	0.0647	-6.1900	9.09	-4.08
959	Shell-Thick	SLE-RARA	-0.0146	-6.4610	8.87	-4.08
959	Shell-Thick	SLE-RARA	-1.3517	-6.7961	8.87	-3.70
959	Shell-Thick	SLE-RARA	-1.2921	-6.3910	9.09	-3.70
959	Shell-Thick	SLE-FREQ.	0.0124	-5.6357	8.19	-4.23
959	Shell-Thick	SLE-FREQ.	-0.0742	-5.9290	7.98	-4.23
959	Shell-Thick	SLE-FREQ.	-1.2790	-6.2303	7.98	-3.86
959	Shell-Thick	SLE-FREQ.	-1.2096	-5.8201	8.19	-3.86
959	Shell-Thick	SLE-QP	-0.1444	-3.9728	5.52	-4.69
959	Shell-Thick	SLE-QP	-0.2529	-4.3331	5.32	-4.69
959	Shell-Thick	SLE-QP	-1.0609	-4.5329	5.32	-4.34
959	Shell-Thick	SLE-QP	-0.9620	-4.1074	5.52	-4.34
960	Shell-Thick	SLU-STATICA	0.0746	-8.1466	12.34	-4.22
960	Shell-Thick	SLU-STATICA	-0.3023	-8.5188	12.06	-4.22
960	Shell-Thick	SLU-STATICA	-2.1363	-9.7382	12.06	-3.73
960	Shell-Thick	SLU-STATICA	-1.7518	-9.4186	12.34	-3.73
960	Shell-Thick	SLU-SISMICA	0.8026	-12.5151	20.52	-0.37
960	Shell-Thick	SLU-SISMICA	0.4089	-12.5357	20.22	-0.37
960	Shell-Thick	SLU-SISMICA	-2.6486	-14.5417	20.22	0.15
960	Shell-Thick	SLU-SISMICA	-2.2518	-14.5429	20.52	0.15
960	Shell-Thick	SLE-RARA	0.0203	-5.9554	8.94	-3.39
960	Shell-Thick	SLE-RARA	-0.2645	-6.2549	8.73	-3.39
960	Shell-Thick	SLE-RARA	-1.5932	-7.1397	8.73	-3.02
960	Shell-Thick	SLE-RARA	-1.3025	-6.8815	8.94	-3.02
960	Shell-Thick	SLE-FREQ.	-0.0400	-5.4495	8.05	-3.62
960	Shell-Thick	SLE-FREQ.	-0.3164	-5.7705	7.84	-3.62
960	Shell-Thick	SLE-FREQ.	-1.5118	-6.5689	7.84	-3.26
960	Shell-Thick	SLE-FREQ.	-1.2293	-6.2907	8.05	-3.26
960	Shell-Thick	SLE-QP	-0.2210	-3.9320	5.37	-4.32
960	Shell-Thick	SLE-QP	-0.4722	-4.3175	5.19	-4.32
960	Shell-Thick	SLE-QP	-1.2677	-4.8565	5.19	-4.00
960	Shell-Thick	SLE-QP	-1.0097	-4.5183	5.37	-4.00

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961	Shell-Thick	SLU-STATICA	-0.2755	-8.6701	11.99	-3.09
961	Shell-Thick	SLU-STATICA	-0.3374	-8.8844	11.69	-3.09
961	Shell-Thick	SLU-STATICA	-2.1059	-9.3780	11.69	-2.60
961	Shell-Thick	SLU-STATICA	-2.0605	-9.0742	11.99	-2.60
961	Shell-Thick	SLU-SISMICA	0.4214	-13.0255	20.09	1.56
961	Shell-Thick	SLU-SISMICA	0.5055	-12.7565	19.75	1.56
961	Shell-Thick	SLU-SISMICA	-2.4644	-13.6088	19.75	2.12
961	Shell-Thick	SLU-SISMICA	-2.5856	-13.6746	20.09	2.12
961	Shell-Thick	SLE-RARA	-0.2435	-6.3527	8.68	-2.57
961	Shell-Thick	SLE-RARA	-0.2976	-6.5391	8.46	-2.57
961	Shell-Thick	SLE-RARA	-1.5779	-6.8953	8.46	-2.21
961	Shell-Thick	SLE-RARA	-1.5352	-6.6466	8.68	-2.21
961	Shell-Thick	SLE-FREQ.	-0.2947	-5.8381	7.80	-2.89
961	Shell-Thick	SLE-FREQ.	-0.3595	-6.0597	7.59	-2.89
961	Shell-Thick	SLE-FREQ.	-1.5095	-6.3776	7.59	-2.54
961	Shell-Thick	SLE-FREQ.	-1.4542	-6.1047	7.80	-2.54
961	Shell-Thick	SLE-QP	-0.4486	-4.2944	5.16	-3.85
961	Shell-Thick	SLE-QP	-0.5453	-4.6214	4.98	-3.85
961	Shell-Thick	SLE-QP	-1.3044	-4.8245	4.98	-3.54
961	Shell-Thick	SLE-QP	-1.2111	-4.4788	5.16	-3.54
962	Shell-Thick	SLU-STATICA	-0.3221	-8.3875	11.79	-1.21
962	Shell-Thick	SLU-STATICA	-0.5428	-8.5632	11.20	-1.21
962	Shell-Thick	SLU-STATICA	-2.2890	-9.5577	11.20	-0.69
962	Shell-Thick	SLU-STATICA	-2.0282	-9.4102	11.79	-0.69
962	Shell-Thick	SLU-SISMICA	0.4925	-12.2905	19.87	4.57
962	Shell-Thick	SLU-SISMICA	0.4840	-11.4689	19.13	4.57
962	Shell-Thick	SLU-SISMICA	-2.4554	-13.0985	19.13	5.22
962	Shell-Thick	SLU-SISMICA	-2.4237	-13.9366	19.87	5.22
962	Shell-Thick	SLE-RARA	-0.2847	-6.1610	8.53	-1.21
962	Shell-Thick	SLE-RARA	-0.4624	-6.3439	8.09	-1.21
962	Shell-Thick	SLE-RARA	-1.7262	-7.0658	8.09	-0.82
962	Shell-Thick	SLE-RARA	-1.5171	-6.9050	8.53	-0.82
962	Shell-Thick	SLE-FREQ.	-0.3446	-5.6884	7.66	-1.65
962	Shell-Thick	SLE-FREQ.	-0.5354	-5.9487	7.24	-1.65
962	Shell-Thick	SLE-FREQ.	-1.6700	-6.6006	7.24	-1.28
962	Shell-Thick	SLE-FREQ.	-1.4472	-6.3627	7.66	-1.28
962	Shell-Thick	SLE-QP	-0.5244	-4.2704	5.04	-2.99
962	Shell-Thick	SLE-QP	-0.7543	-4.7630	4.69	-2.99
962	Shell-Thick	SLE-QP	-1.5013	-5.2050	4.69	-2.68
962	Shell-Thick	SLE-QP	-1.2375	-4.7360	5.04	-2.68
963	Shell-Thick	SLU-STATICA	-0.5590	-8.6771	11.19	1.01
963	Shell-Thick	SLU-STATICA	-0.4879	-8.5792	10.89	1.01
963	Shell-Thick	SLU-STATICA	-2.1465	-9.0264	10.89	1.54
963	Shell-Thick	SLU-STATICA	-2.2140	-9.1498	11.19	1.54
963	Shell-Thick	SLU-SISMICA	0.4235	-11.9463	19.09	7.91
963	Shell-Thick	SLU-SISMICA	0.6885	-11.2111	18.67	7.91
963	Shell-Thick	SLU-SISMICA	-2.1416	-12.0013	18.67	8.63
963	Shell-Thick	SLU-SISMICA	-2.4115	-12.7042	19.09	8.63
963	Shell-Thick	SLE-RARA	-0.4725	-6.4121	8.09	0.42
963	Shell-Thick	SLE-RARA	-0.4283	-6.3697	7.86	0.42
963	Shell-Thick	SLE-RARA	-1.6267	-6.6914	7.86	0.81
963	Shell-Thick	SLE-RARA	-1.6678	-6.7561	8.09	0.81
963	Shell-Thick	SLE-FREQ.	-0.5416	-5.9853	7.24	-0.16
963	Shell-Thick	SLE-FREQ.	-0.5144	-5.9963	7.03	-0.16
963	Shell-Thick	SLE-FREQ.	-1.5870	-6.2819	7.03	0.21
963	Shell-Thick	SLE-FREQ.	-1.6104	-6.2974	7.24	0.21
963	Shell-Thick	SLE-QP	-0.7489	-4.7051	4.70	-1.89
963	Shell-Thick	SLE-QP	-0.7728	-4.8763	4.53	-1.89
963	Shell-Thick	SLE-QP	-1.4679	-5.0535	4.53	-1.60
963	Shell-Thick	SLE-QP	-1.4384	-4.9214	4.70	-1.60
964	Shell-Thick	SLU-STATICA	-0.5073	-8.2031	11.00	2.72
964	Shell-Thick	SLU-STATICA	-0.4903	-8.0236	10.68	2.72
964	Shell-Thick	SLU-STATICA	-2.1285	-9.0337	10.68	3.28
964	Shell-Thick	SLU-STATICA	-2.1218	-9.3761	11.00	3.28
964	Shell-Thick	SLU-SISMICA	0.6320	-10.8287	18.83	10.35
964	Shell-Thick	SLU-SISMICA	0.8087	-9.9854	18.36	10.35
964	Shell-Thick	SLU-SISMICA	-1.9942	-11.6525	18.36	11.15
964	Shell-Thick	SLU-SISMICA	-2.1442	-12.6793	18.83	11.15
964	Shell-Thick	SLE-RARA	-0.4412	-6.0849	7.95	1.68

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964	Shell-Thick	SLE-RARA	-0.4363	-5.9820	7.71	1.68
964	Shell-Thick	SLE-RARA	-1.6196	-6.7147	7.71	2.09
964	Shell-Thick	SLE-RARA	-1.6067	-6.9401	7.95	2.09
964	Shell-Thick	SLE-FREQ.	-0.5239	-5.7191	7.11	1.01
964	Shell-Thick	SLE-FREQ.	-0.5323	-5.6733	6.89	1.01
964	Shell-Thick	SLE-FREQ.	-1.5907	-6.3339	6.89	1.39
964	Shell-Thick	SLE-FREQ.	-1.5652	-6.4975	7.11	1.39
964	Shell-Thick	SLE-QP	-0.7722	-4.6217	4.59	-0.99
964	Shell-Thick	SLE-QP	-0.8203	-4.7472	4.42	-0.99
964	Shell-Thick	SLE-QP	-1.5040	-5.1917	4.42	-0.70
964	Shell-Thick	SLE-QP	-1.4408	-5.1698	4.59	-0.70
965	Shell-Thick	SLU-STATICA	-0.5283	-8.2729	10.67	4.63
965	Shell-Thick	SLU-STATICA	-0.3756	-7.9051	10.33	4.63
965	Shell-Thick	SLU-STATICA	-1.9592	-8.3148	10.33	5.22
965	Shell-Thick	SLU-STATICA	-2.0944	-8.8036	10.67	5.22
965	Shell-Thick	SLU-SISMICA	0.7244	-10.5694	18.32	12.99
965	Shell-Thick	SLU-SISMICA	1.0879	-9.4581	17.82	12.99
965	Shell-Thick	SLU-SISMICA	-1.6316	-10.1878	17.82	13.86
965	Shell-Thick	SLU-SISMICA	-1.9787	-11.4124	18.32	13.86
965	Shell-Thick	SLE-RARA	-0.4628	-6.1543	7.70	3.09
965	Shell-Thick	SLE-RARA	-0.3575	-5.9126	7.45	3.09
965	Shell-Thick	SLE-RARA	-1.5009	-6.2071	7.45	3.52
965	Shell-Thick	SLE-RARA	-1.5927	-6.5408	7.70	3.52
965	Shell-Thick	SLE-FREQ.	-0.5543	-5.8138	6.88	2.33
965	Shell-Thick	SLE-FREQ.	-0.4690	-5.6392	6.65	2.33
965	Shell-Thick	SLE-FREQ.	-1.4908	-5.9001	6.65	2.73
965	Shell-Thick	SLE-FREQ.	-1.5630	-6.1651	6.88	2.73
965	Shell-Thick	SLE-QP	-0.8290	-4.7924	4.42	3.909E-02
965	Shell-Thick	SLE-QP	-0.8034	-4.8190	4.25	3.909E-02
965	Shell-Thick	SLE-QP	-1.4605	-4.9792	4.25	0.33
965	Shell-Thick	SLE-QP	-1.4737	-5.0381	4.42	0.33
966	Shell-Thick	SLU-STATICA	-0.4196	-7.6467	10.44	6.71
966	Shell-Thick	SLU-STATICA	-0.2636	-7.1448	10.07	6.71
966	Shell-Thick	SLU-STATICA	-1.8183	-7.9863	10.07	7.35
966	Shell-Thick	SLU-STATICA	-1.9422	-8.7082	10.44	7.35
966	Shell-Thick	SLU-SISMICA	0.9965	-9.2385	17.98	15.79
966	Shell-Thick	SLU-SISMICA	1.3494	-7.9574	17.41	15.79
966	Shell-Thick	SLU-SISMICA	-1.3251	-9.3492	17.41	16.77
966	Shell-Thick	SLU-SISMICA	-1.6387	-10.8999	17.98	16.77
966	Shell-Thick	SLE-RARA	-0.3885	-5.7148	7.53	4.64
966	Shell-Thick	SLE-RARA	-0.2801	-5.3734	7.26	4.64
966	Shell-Thick	SLE-RARA	-1.4023	-5.9836	7.26	5.10
966	Shell-Thick	SLE-RARA	-1.4868	-6.4893	7.53	5.10
966	Shell-Thick	SLE-FREQ.	-0.4953	-5.4431	6.73	3.78
966	Shell-Thick	SLE-FREQ.	-0.4058	-5.1741	6.48	3.78
966	Shell-Thick	SLE-FREQ.	-1.4083	-5.7241	6.48	4.20
966	Shell-Thick	SLE-FREQ.	-1.4751	-6.1492	6.73	4.20
966	Shell-Thick	SLE-QP	-0.8157	-4.6280	4.31	1.20
966	Shell-Thick	SLE-QP	-0.7827	-4.5763	4.13	1.20
966	Shell-Thick	SLE-QP	-1.4261	-4.9455	4.13	1.51
966	Shell-Thick	SLE-QP	-1.4399	-5.1289	4.31	1.51
967	Shell-Thick	SLU-STATICA	-0.3259	-7.3991	10.09	9.00
967	Shell-Thick	SLU-STATICA	-0.0849	-6.6963	9.69	9.00
967	Shell-Thick	SLU-STATICA	-1.5848	-6.9974	9.69	9.69
967	Shell-Thick	SLU-STATICA	-1.7937	-7.9206	10.09	9.69
967	Shell-Thick	SLU-SISMICA	1.2316	-8.5176	17.42	18.79
967	Shell-Thick	SLU-SISMICA	1.6911	-6.9692	16.80	18.79
967	Shell-Thick	SLU-SISMICA	-0.8959	-7.5226	16.80	19.86
967	Shell-Thick	SLU-SISMICA	-1.3168	-9.3363	17.42	19.86
967	Shell-Thick	SLE-RARA	-0.3246	-5.5508	7.28	6.34
967	Shell-Thick	SLE-RARA	-0.1528	-5.0604	6.99	6.34
967	Shell-Thick	SLE-RARA	-1.2352	-5.2760	6.99	6.83
967	Shell-Thick	SLE-RARA	-1.3829	-5.9312	7.28	6.83
967	Shell-Thick	SLE-FREQ.	-0.4445	-5.3220	6.50	5.37
967	Shell-Thick	SLE-FREQ.	-0.2950	-4.9132	6.23	5.37
967	Shell-Thick	SLE-FREQ.	-1.2613	-5.1028	6.23	5.83
967	Shell-Thick	SLE-FREQ.	-1.3880	-5.6686	6.50	5.83
967	Shell-Thick	SLE-QP	-0.8045	-4.6357	4.15	2.49
967	Shell-Thick	SLE-QP	-0.7216	-4.4716	3.96	2.49

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967	Shell-Thick	SLE-QP	-1.3398	-4.5831	3.96	2.82
967	Shell-Thick	SLE-QP	-1.4033	-4.8809	4.15	2.82
968	Shell-Thick	SLU-STATICA	-0.1525	-6.5248	9.81	11.49
968	Shell-Thick	SLU-STATICA	0.1168	-5.6379	9.38	11.49
968	Shell-Thick	SLU-STATICA	-1.3445	-6.2643	9.38	12.23
968	Shell-Thick	SLU-STATICA	-1.5716	-7.4408	9.81	12.23
968	Shell-Thick	SLU-SISMICA	1.5676	-6.8576	16.98	21.97
968	Shell-Thick	SLU-SISMICA	2.0469	-5.0826	16.29	21.97
968	Shell-Thick	SLU-SISMICA	-0.4764	-6.1266	16.29	23.16
968	Shell-Thick	SLU-SISMICA	-0.9010	-8.2776	16.98	23.16
968	Shell-Thick	SLE-RARA	-0.2012	-4.9275	7.08	8.18
968	Shell-Thick	SLE-RARA	-0.0076	-4.2997	6.77	8.18
968	Shell-Thick	SLE-RARA	-1.0620	-4.7535	6.77	8.72
968	Shell-Thick	SLE-RARA	-1.2242	-5.5964	7.08	8.72
968	Shell-Thick	SLE-FREQ.	-0.3376	-4.7786	6.32	7.12
968	Shell-Thick	SLE-FREQ.	-0.1661	-4.2394	6.03	7.12
968	Shell-Thick	SLE-FREQ.	-1.1072	-4.6476	6.03	7.61
968	Shell-Thick	SLE-FREQ.	-1.2492	-5.3897	6.32	7.61
968	Shell-Thick	SLE-QP	-0.7468	-4.3321	4.03	3.93
968	Shell-Thick	SLE-QP	-0.6414	-4.0583	3.83	3.93
968	Shell-Thick	SLE-QP	-1.2426	-4.3299	3.83	4.27
968	Shell-Thick	SLE-QP	-1.3239	-4.7694	4.03	4.27
969	Shell-Thick	SLU-STATICA	0.0312	-5.9085	9.43	14.18
969	Shell-Thick	SLU-STATICA	0.3620	-4.8033	8.96	14.18
969	Shell-Thick	SLU-STATICA	-1.0409	-4.8871	8.96	14.99
969	Shell-Thick	SLU-STATICA	-1.3240	-6.3195	9.43	14.99
969	Shell-Thick	SLU-SISMICA	1.8980	-5.6341	16.34	25.36
969	Shell-Thick	SLU-SISMICA	2.4449	-3.5857	15.59	25.36
969	Shell-Thick	SLU-SISMICA	0.0179	-3.7934	15.59	26.66
969	Shell-Thick	SLU-SISMICA	-0.4666	-6.2707	16.34	26.66
969	Shell-Thick	SLE-RARA	-0.0694	-4.4907	6.80	10.19
969	Shell-Thick	SLE-RARA	0.1705	-3.7002	6.46	10.19
969	Shell-Thick	SLE-RARA	-0.8415	-3.7576	6.46	10.78
969	Shell-Thick	SLE-RARA	-1.0460	-4.7909	6.80	10.78
969	Shell-Thick	SLE-FREQ.	-0.2211	-4.4026	6.06	9.02
969	Shell-Thick	SLE-FREQ.	-0.0048	-3.7091	5.75	9.02
969	Shell-Thick	SLE-FREQ.	-0.9077	-3.7549	5.75	9.55
969	Shell-Thick	SLE-FREQ.	-1.0907	-4.6768	6.06	9.55
969	Shell-Thick	SLE-QP	-0.6762	-4.1380	3.85	5.51
969	Shell-Thick	SLE-QP	-0.5310	-3.7356	3.64	5.51
969	Shell-Thick	SLE-QP	-1.1065	-3.7466	3.64	5.88
969	Shell-Thick	SLE-QP	-1.2247	-4.3345	3.85	5.88
970	Shell-Thick	SLU-STATICA	0.2716	-4.6774	9.10	17.08
970	Shell-Thick	SLU-STATICA	0.6343	-3.3386	8.59	17.08
970	Shell-Thick	SLU-STATICA	-0.7195	-3.6903	8.59	17.97
970	Shell-Thick	SLU-STATICA	-1.0280	-5.4005	9.10	17.97
970	Shell-Thick	SLU-SISMICA	2.2910	-3.5159	15.79	28.95
970	Shell-Thick	SLU-SISMICA	2.8577	-1.1860	14.96	28.95
970	Shell-Thick	SLU-SISMICA	0.5137	-1.7902	14.96	30.38
970	Shell-Thick	SLU-SISMICA	0.0201	-4.6218	15.79	30.38
970	Shell-Thick	SLE-RARA	0.1052	-3.6021	6.56	12.35
970	Shell-Thick	SLE-RARA	0.3698	-2.6370	6.19	12.35
970	Shell-Thick	SLE-RARA	-0.6066	-2.8909	6.19	12.99
970	Shell-Thick	SLE-RARA	-0.8312	-4.1309	6.56	12.99
970	Shell-Thick	SLE-FREQ.	-0.0633	-3.6087	5.85	11.07
970	Shell-Thick	SLE-FREQ.	0.1780	-2.7489	5.51	11.07
970	Shell-Thick	SLE-FREQ.	-0.6930	-2.9758	5.51	11.65
970	Shell-Thick	SLE-FREQ.	-0.8968	-4.0931	5.85	11.65
970	Shell-Thick	SLE-QP	-0.5690	-3.6287	3.71	7.23
970	Shell-Thick	SLE-QP	-0.3975	-3.0846	3.48	7.23
970	Shell-Thick	SLE-QP	-0.9522	-3.2304	3.48	7.63
970	Shell-Thick	SLE-QP	-1.0937	-3.9795	3.71	7.63
971	Shell-Thick	SLU-STATICA	0.5252	-3.6492	8.65	20.20
971	Shell-Thick	SLU-STATICA	0.9391	-2.0724	8.09	20.20
971	Shell-Thick	SLU-STATICA	-0.3491	-1.7957	8.09	21.17
971	Shell-Thick	SLU-STATICA	-0.6980	-3.8177	8.65	21.17
971	Shell-Thick	SLU-SISMICA	2.6775	-1.7648	15.05	32.74
971	Shell-Thick	SLU-SISMICA	3.2932	0.8471	14.13	32.74
971	Shell-Thick	SLU-SISMICA	1.0593	1.2051	14.13	34.33

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971	Shell-Thick	SLU-SISMICA	0.5327	-2.0173	15.05	34.33
971	Shell-Thick	SLE-RARA	0.2907	-2.8590	6.23	14.68
971	Shell-Thick	SLE-RARA	0.5943	-1.7158	5.83	14.68
971	Shell-Thick	SLE-RARA	-0.3347	-1.5101	5.83	15.39
971	Shell-Thick	SLE-RARA	-0.5902	-2.9825	6.23	15.39
971	Shell-Thick	SLE-FREQ.	0.1067	-2.9434	5.56	13.29
971	Shell-Thick	SLE-FREQ.	0.3862	-1.9134	5.19	13.29
971	Shell-Thick	SLE-FREQ.	-0.4421	-1.7195	5.19	13.92
971	Shell-Thick	SLE-FREQ.	-0.6768	-3.0569	5.56	13.92
971	Shell-Thick	SLE-QP	-0.4455	-3.1965	3.52	9.11
971	Shell-Thick	SLE-QP	-0.2382	-2.5063	3.27	9.11
971	Shell-Thick	SLE-QP	-0.7646	-2.3477	3.27	9.54
971	Shell-Thick	SLE-QP	-0.9366	-3.2802	3.52	9.54
972	Shell-Thick	SLU-STATICA	0.8252	-1.9503	8.26	23.54
972	Shell-Thick	SLU-STATICA	1.2710	-0.0888	7.65	23.54
972	Shell-Thick	SLU-STATICA	0.0439	-0.0875	7.65	24.59
972	Shell-Thick	SLU-STATICA	-0.3343	-2.4132	8.26	24.59
972	Shell-Thick	SLU-SISMICA	3.1078	0.9375	14.38	36.75
972	Shell-Thick	SLU-SISMICA	3.7398	3.8871	13.38	36.75
972	Shell-Thick	SLU-SISMICA	1.6097	3.8445	13.38	38.48
972	Shell-Thick	SLU-SISMICA	1.0717	0.2496	14.38	38.48
972	Shell-Thick	SLE-RARA	0.5116	-1.6217	5.95	17.18
972	Shell-Thick	SLE-RARA	0.8401	-0.2654	5.51	17.18
972	Shell-Thick	SLE-RARA	-0.0448	-0.2622	5.51	17.94
972	Shell-Thick	SLE-RARA	-0.3233	-1.9613	5.95	17.94
972	Shell-Thick	SLE-FREQ.	0.3114	-1.8190	5.30	15.67
972	Shell-Thick	SLE-FREQ.	0.6165	-0.5856	4.90	15.67
972	Shell-Thick	SLE-FREQ.	-0.1724	-0.5789	4.90	16.36
972	Shell-Thick	SLE-FREQ.	-0.4309	-2.1317	5.30	16.36
972	Shell-Thick	SLE-QP	-0.2892	-2.4110	3.35	11.14
972	Shell-Thick	SLE-QP	-0.0543	-1.5462	3.08	11.14
972	Shell-Thick	SLE-QP	-0.5551	-1.5289	3.08	11.61
972	Shell-Thick	SLE-QP	-0.7536	-2.6432	3.35	11.61
973	Shell-Thick	SLU-STATICA	1.1359	-0.4790	7.73	27.09
973	Shell-Thick	SLU-STATICA	1.6257	1.6391	7.05	27.09
973	Shell-Thick	SLU-STATICA	0.4749	2.4522	7.05	28.26
973	Shell-Thick	SLU-STATICA	0.0695	-0.2446	7.73	28.26
973	Shell-Thick	SLU-SISMICA	3.5240	3.2178	13.49	40.96
973	Shell-Thick	SLU-SISMICA	4.1919	6.4560	12.39	40.96
973	Shell-Thick	SLU-SISMICA	2.1905	7.6493	12.39	42.87
973	Shell-Thick	SLU-SISMICA	1.6416	3.5948	13.49	42.87
973	Shell-Thick	SLE-RARA	0.7417	-0.5472	5.57	19.84
973	Shell-Thick	SLE-RARA	1.1040	1.0020	5.08	19.84
973	Shell-Thick	SLE-RARA	0.2744	1.5992	5.08	20.68
973	Shell-Thick	SLE-RARA	-0.0257	-0.3766	5.57	20.68
973	Shell-Thick	SLE-FREQ.	0.5272	-0.8375	4.95	18.21
973	Shell-Thick	SLE-FREQ.	0.8659	0.5815	4.51	18.21
973	Shell-Thick	SLE-FREQ.	0.1266	1.1327	4.51	18.97
973	Shell-Thick	SLE-FREQ.	-0.1543	-0.6829	4.95	18.97
973	Shell-Thick	SLE-QP	-0.1165	-1.7085	3.12	13.32
973	Shell-Thick	SLE-QP	0.1516	-0.6803	2.82	13.32
973	Shell-Thick	SLE-QP	-0.3167	-0.2669	2.82	13.84
973	Shell-Thick	SLE-QP	-0.5400	-1.6016	3.12	13.84
974	Shell-Thick	SLU-STATICA	1.5029	1.8703	7.26	30.65
974	Shell-Thick	SLU-STATICA	1.9589	3.9355	6.63	30.65
974	Shell-Thick	SLU-STATICA	0.8968	4.3426	6.63	31.88
974	Shell-Thick	SLU-STATICA	0.4806	1.6355	7.26	31.88
974	Shell-Thick	SLU-SISMICA	3.9958	6.7314	12.70	45.13
974	Shell-Thick	SLU-SISMICA	4.5950	9.7977	11.67	45.13
974	Shell-Thick	SLU-SISMICA	2.7389	10.3997	11.67	47.16
974	Shell-Thick	SLU-SISMICA	2.1962	6.4222	12.70	47.16
974	Shell-Thick	SLE-RARA	1.0146	1.1750	5.23	22.50
974	Shell-Thick	SLE-RARA	1.3530	2.6900	4.78	22.50
974	Shell-Thick	SLE-RARA	0.5878	2.9888	4.78	23.40
974	Shell-Thick	SLE-RARA	0.2787	1.0008	5.23	23.40
974	Shell-Thick	SLE-FREQ.	0.7847	0.7465	4.65	20.76
974	Shell-Thick	SLE-FREQ.	1.1030	2.1419	4.24	20.76
974	Shell-Thick	SLE-FREQ.	0.4219	2.4173	4.24	21.56
974	Shell-Thick	SLE-FREQ.	0.1308	0.5827	4.65	21.56



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974	Shell-Thick	SLE-QP	0.0950	-0.5389	2.93	15.52
974	Shell-Thick	SLE-QP	0.3530	0.4976	2.65	15.52
974	Shell-Thick	SLE-QP	-0.0758	0.7029	2.65	16.07
974	Shell-Thick	SLE-QP	-0.3128	-0.6715	2.93	16.07
975	Shell-Thick	SLU-STATICA	1.8600	-8.3271	14.23	-8.69
975	Shell-Thick	SLU-STATICA	1.8284	-8.7486	13.45	-8.69
975	Shell-Thick	SLU-STATICA	-0.2083	-9.0308	13.45	-7.34
975	Shell-Thick	SLU-STATICA	-0.2577	-8.0579	14.23	-7.34
975	Shell-Thick	SLU-SISMICA	2.5106	-14.2661	21.02	-11.57
975	Shell-Thick	SLU-SISMICA	2.5036	-14.7604	20.32	-11.57
975	Shell-Thick	SLU-SISMICA	-0.5303	-14.8572	20.32	-10.35
975	Shell-Thick	SLU-SISMICA	-0.6581	-13.4442	21.02	-10.35
975	Shell-Thick	SLE-RARA	1.3770	-6.0139	10.45	-6.44
975	Shell-Thick	SLE-RARA	1.3518	-6.3296	9.85	-6.44
975	Shell-Thick	SLE-RARA	-0.1418	-6.5527	9.85	-5.41
975	Shell-Thick	SLE-RARA	-0.1754	-5.8374	10.45	-5.41
975	Shell-Thick	SLE-FREQ.	1.2895	-5.3775	9.63	-6.05
975	Shell-Thick	SLE-FREQ.	1.2630	-5.6795	9.05	-6.05
975	Shell-Thick	SLE-FREQ.	-0.1118	-5.9123	9.05	-5.03
975	Shell-Thick	SLE-FREQ.	-0.1381	-5.2508	9.63	-5.03
975	Shell-Thick	SLE-QP	1.0273	-3.4684	7.19	-4.86
975	Shell-Thick	SLE-QP	0.9965	-3.7291	6.62	-4.86
975	Shell-Thick	SLE-QP	-0.0219	-3.9911	6.62	-3.89
975	Shell-Thick	SLE-QP	-0.0265	-3.4911	7.19	-3.89
976	Shell-Thick	SLU-STATICA	1.9384	-7.6297	13.58	-8.35
976	Shell-Thick	SLU-STATICA	0.9788	-8.3204	13.18	-8.35
976	Shell-Thick	SLU-STATICA	-1.0276	-9.6109	13.18	-7.66
976	Shell-Thick	SLU-STATICA	-0.0700	-8.9084	13.58	-7.66
976	Shell-Thick	SLU-SISMICA	2.6804	-13.0049	20.51	-10.36
976	Shell-Thick	SLU-SISMICA	1.2500	-13.8706	20.27	-10.36
976	Shell-Thick	SLU-SISMICA	-1.8065	-15.8854	20.27	-9.95
976	Shell-Thick	SLU-SISMICA	-0.3814	-14.9839	20.51	-9.95
976	Shell-Thick	SLE-RARA	1.4318	-5.5135	9.94	-6.23
976	Shell-Thick	SLE-RARA	0.7282	-6.0281	9.63	-6.23
976	Shell-Thick	SLE-RARA	-0.7398	-6.9700	9.63	-5.69
976	Shell-Thick	SLE-RARA	-0.0375	-6.4475	9.94	-5.69
976	Shell-Thick	SLE-FREQ.	1.3355	-4.9358	9.13	-5.91
976	Shell-Thick	SLE-FREQ.	0.6880	-5.4234	8.81	-5.91
976	Shell-Thick	SLE-FREQ.	-0.6576	-6.2825	8.81	-5.36
976	Shell-Thick	SLE-FREQ.	-0.0110	-5.7893	9.13	-5.36
976	Shell-Thick	SLE-QP	1.0467	-3.2028	6.69	-4.96
976	Shell-Thick	SLE-QP	0.5672	-3.6091	6.35	-4.96
976	Shell-Thick	SLE-QP	-0.4108	-4.2200	6.35	-4.38
976	Shell-Thick	SLE-QP	0.0686	-3.8145	6.69	-4.38
977	Shell-Thick	SLU-STATICA	1.0781	-8.4409	13.03	-7.97
977	Shell-Thick	SLU-STATICA	1.0391	-8.8750	12.59	-7.97
977	Shell-Thick	SLU-STATICA	-0.8495	-9.1272	12.59	-7.21
977	Shell-Thick	SLU-STATICA	-0.8769	-8.2407	13.03	-7.21
977	Shell-Thick	SLU-SISMICA	1.3999	-14.3386	19.98	-9.10
977	Shell-Thick	SLU-SISMICA	1.4216	-14.7267	19.66	-9.10
977	Shell-Thick	SLU-SISMICA	-1.4967	-14.9306	19.66	-8.55
977	Shell-Thick	SLU-SISMICA	-1.6296	-13.7833	19.98	-8.55
977	Shell-Thick	SLE-RARA	0.8009	-6.1022	9.53	-5.99
977	Shell-Thick	SLE-RARA	0.7683	-6.4334	9.18	-5.99
977	Shell-Thick	SLE-RARA	-0.6115	-6.6269	9.18	-5.39
977	Shell-Thick	SLE-RARA	-0.6270	-5.9681	9.53	-5.39
977	Shell-Thick	SLE-FREQ.	0.7547	-5.4670	8.72	-5.75
977	Shell-Thick	SLE-FREQ.	0.7179	-5.7938	8.38	-5.75
977	Shell-Thick	SLE-FREQ.	-0.5432	-5.9866	8.38	-5.15
977	Shell-Thick	SLE-FREQ.	-0.5496	-5.3655	8.72	-5.15
977	Shell-Thick	SLE-QP	0.6161	-3.5616	6.30	-5.03
977	Shell-Thick	SLE-QP	0.5668	-3.8753	5.95	-5.03
977	Shell-Thick	SLE-QP	-0.3384	-4.0656	5.95	-4.42
977	Shell-Thick	SLE-QP	-0.3177	-3.5575	6.30	-4.42
978	Shell-Thick	SLU-STATICA	1.1365	-7.8720	12.70	-7.56
978	Shell-Thick	SLU-STATICA	0.3634	-8.5002	12.32	-7.56
978	Shell-Thick	SLU-STATICA	-1.5132	-9.7270	12.32	-6.90
978	Shell-Thick	SLU-STATICA	-0.7404	-9.0973	12.70	-6.90
978	Shell-Thick	SLU-SISMICA	1.5671	-13.2357	19.83	-7.86



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978	Shell-Thick	SLU-SISMICA	0.4853	-13.8830	19.56	-7.86
978	Shell-Thick	SLU-SISMICA	-2.4675	-15.8427	19.56	-7.40
978	Shell-Thick	SLU-SISMICA	-1.3906	-15.1626	19.83	-7.40
978	Shell-Thick	SLE-RARA	0.8397	-5.6977	9.27	-5.72
978	Shell-Thick	SLE-RARA	0.2693	-6.1727	8.97	-5.72
978	Shell-Thick	SLE-RARA	-1.0990	-7.0658	8.97	-5.20
978	Shell-Thick	SLE-RARA	-0.5286	-6.5912	9.27	-5.20
978	Shell-Thick	SLE-FREQ.	0.7836	-5.1164	8.45	-5.55
978	Shell-Thick	SLE-FREQ.	0.2526	-5.5782	8.15	-5.55
978	Shell-Thick	SLE-FREQ.	-0.9935	-6.3890	8.15	-5.03
978	Shell-Thick	SLE-FREQ.	-0.4622	-5.9302	8.45	-5.03
978	Shell-Thick	SLE-QP	0.6154	-3.3725	6.01	-5.05
978	Shell-Thick	SLE-QP	0.2027	-3.7945	5.70	-5.05
978	Shell-Thick	SLE-QP	-0.6769	-4.3585	5.70	-4.52
978	Shell-Thick	SLE-QP	-0.2628	-3.9473	6.01	-4.52
979	Shell-Thick	SLU-STATICA	0.4409	-8.6572	12.19	-6.97
979	Shell-Thick	SLU-STATICA	0.4161	-9.0594	11.83	-6.97
979	Shell-Thick	SLU-STATICA	-1.3592	-9.3056	11.83	-6.35
979	Shell-Thick	SLU-STATICA	-1.3864	-8.5486	12.19	-6.35
979	Shell-Thick	SLU-SISMICA	0.5934	-14.3938	19.31	-6.41
979	Shell-Thick	SLU-SISMICA	0.6696	-14.6290	19.05	-6.41
979	Shell-Thick	SLU-SISMICA	-2.1641	-14.9402	19.05	-5.96
979	Shell-Thick	SLU-SISMICA	-2.3291	-14.0997	19.31	-5.96
979	Shell-Thick	SLE-RARA	0.3265	-6.2741	8.88	-5.31
979	Shell-Thick	SLE-RARA	0.3027	-6.5871	8.60	-5.31
979	Shell-Thick	SLE-RARA	-0.9898	-6.7705	8.60	-4.83
979	Shell-Thick	SLE-RARA	-1.0036	-6.2011	8.88	-4.83
979	Shell-Thick	SLE-FREQ.	0.3059	-5.6479	8.07	-5.23
979	Shell-Thick	SLE-FREQ.	0.2744	-5.9670	7.79	-5.23
979	Shell-Thick	SLE-FREQ.	-0.8993	-6.1405	7.79	-4.74
979	Shell-Thick	SLE-FREQ.	-0.9014	-5.5920	8.07	-4.74
979	Shell-Thick	SLE-QP	0.2442	-3.7695	5.66	-4.98
979	Shell-Thick	SLE-QP	0.1895	-4.1066	5.38	-4.98
979	Shell-Thick	SLE-QP	-0.6276	-4.2505	5.38	-4.48
979	Shell-Thick	SLE-QP	-0.5947	-3.7647	5.66	-4.48
980	Shell-Thick	SLU-STATICA	0.4918	-8.1823	11.94	-6.36
980	Shell-Thick	SLU-STATICA	-0.0901	-8.7180	11.61	-6.36
980	Shell-Thick	SLU-STATICA	-1.8573	-9.8973	11.61	-5.79
980	Shell-Thick	SLU-STATICA	-1.2735	-9.3758	11.94	-5.79
980	Shell-Thick	SLU-SISMICA	0.7734	-13.3955	19.21	-4.98
980	Shell-Thick	SLU-SISMICA	0.0268	-13.8010	18.96	-4.98
980	Shell-Thick	SLU-SISMICA	-2.8356	-15.7175	18.96	-4.55
980	Shell-Thick	SLU-SISMICA	-2.0918	-15.2936	19.21	-4.55
980	Shell-Thick	SLE-RARA	0.3586	-5.9403	8.68	-4.89
980	Shell-Thick	SLE-RARA	-0.0741	-6.3527	8.43	-4.89
980	Shell-Thick	SLE-RARA	-1.3586	-7.2095	8.43	-4.45
980	Shell-Thick	SLE-RARA	-0.9242	-6.8096	8.68	-4.45
980	Shell-Thick	SLE-FREQ.	0.3266	-5.3654	7.87	-4.88
980	Shell-Thick	SLE-FREQ.	-0.0818	-5.7783	7.62	-4.88
980	Shell-Thick	SLE-FREQ.	-1.2447	-6.5535	7.62	-4.44
980	Shell-Thick	SLE-FREQ.	-0.8342	-6.1554	7.87	-4.44
980	Shell-Thick	SLE-QP	0.2307	-3.6407	5.44	-4.86
980	Shell-Thick	SLE-QP	-0.1052	-4.0553	5.18	-4.86
980	Shell-Thick	SLE-QP	-0.9030	-4.5852	5.18	-4.42
980	Shell-Thick	SLE-QP	-0.5641	-4.1927	5.44	-4.42
981	Shell-Thick	SLU-STATICA	-0.0348	-8.9152	11.49	-5.57
981	Shell-Thick	SLU-STATICA	-0.0304	-9.2477	11.19	-5.57
981	Shell-Thick	SLU-STATICA	-1.7129	-9.5039	11.19	-5.04
981	Shell-Thick	SLU-STATICA	-1.7552	-8.9130	11.49	-5.04
981	Shell-Thick	SLU-SISMICA	0.0942	-14.3587	18.75	-3.35
981	Shell-Thick	SLU-SISMICA	0.2403	-14.4040	18.51	-3.35
981	Shell-Thick	SLU-SISMICA	-2.5214	-14.8168	18.51	-2.93
981	Shell-Thick	SLU-SISMICA	-2.7342	-14.3158	18.75	-2.93
981	Shell-Thick	SLE-RARA	-0.0328	-6.4841	8.35	-4.34
981	Shell-Thick	SLE-RARA	-0.0365	-6.7505	8.11	-4.34
981	Shell-Thick	SLE-RARA	-1.2576	-6.9367	8.11	-3.92
981	Shell-Thick	SLE-RARA	-1.2812	-6.4846	8.35	-3.92
981	Shell-Thick	SLE-FREQ.	-0.0426	-5.8769	7.55	-4.41
981	Shell-Thick	SLE-FREQ.	-0.0578	-6.1603	7.31	-4.41

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981	Shell-Thick	SLE-FREQ.	-1.1602	-6.3291	7.31	-4.00
981	Shell-Thick	SLE-FREQ.	-1.1692	-5.8807	7.55	-4.00
981	Shell-Thick	SLE-QP	-0.0719	-4.0552	5.14	-4.64
981	Shell-Thick	SLE-QP	-0.1219	-4.3897	4.90	-4.64
981	Shell-Thick	SLE-QP	-0.8678	-4.5061	4.90	-4.23
981	Shell-Thick	SLE-QP	-0.8330	-4.0690	5.14	-4.23
982	Shell-Thick	SLU-STATICA	0.0215	-8.5005	11.30	-4.74
982	Shell-Thick	SLU-STATICA	-0.3658	-8.9088	11.01	-4.74
982	Shell-Thick	SLU-STATICA	-2.0414	-10.0448	11.01	-4.24
982	Shell-Thick	SLU-STATICA	-1.6490	-9.6724	11.30	-4.24
982	Shell-Thick	SLU-SISMICA	0.3015	-13.4137	18.66	-1.71
982	Shell-Thick	SLU-SISMICA	-0.1235	-13.5475	18.41	-1.71
982	Shell-Thick	SLU-SISMICA	-2.9053	-15.4161	18.41	-1.28
982	Shell-Thick	SLU-SISMICA	-2.4792	-15.2899	18.66	-1.28
982	Shell-Thick	SLE-RARA	0.0023	-6.1963	8.19	-3.74
982	Shell-Thick	SLE-RARA	-0.2893	-6.5194	7.97	-3.74
982	Shell-Thick	SLE-RARA	-1.5038	-7.3437	7.97	-3.36
982	Shell-Thick	SLE-RARA	-1.2081	-7.0493	8.19	-3.36
982	Shell-Thick	SLE-FREQ.	-0.0207	-5.6398	7.39	-3.90
982	Shell-Thick	SLE-FREQ.	-0.3020	-5.9774	7.16	-3.90
982	Shell-Thick	SLE-FREQ.	-1.3957	-6.7212	7.16	-3.52
982	Shell-Thick	SLE-FREQ.	-1.1101	-6.4138	7.39	-3.52
982	Shell-Thick	SLE-QP	-0.0900	-3.9701	4.96	-4.37
982	Shell-Thick	SLE-QP	-0.3404	-4.3516	4.75	-4.37
982	Shell-Thick	SLE-QP	-1.0715	-4.8538	4.75	-4.00
982	Shell-Thick	SLE-QP	-0.8160	-4.5074	4.96	-4.00
983	Shell-Thick	SLU-STATICA	-0.3337	-9.1402	10.91	-3.74
983	Shell-Thick	SLU-STATICA	-0.2879	-9.3633	10.64	-3.74
983	Shell-Thick	SLU-STATICA	-1.8927	-9.6429	10.64	-3.26
983	Shell-Thick	SLU-STATICA	-1.9624	-9.2576	10.91	-3.26
983	Shell-Thick	SLU-SISMICA	-0.0959	-14.1409	18.24	0.13
983	Shell-Thick	SLU-SISMICA	0.1291	-13.9569	17.99	0.13
983	Shell-Thick	SLU-SISMICA	-2.5665	-14.4663	17.99	0.56
983	Shell-Thick	SLU-SISMICA	-2.8368	-14.3417	18.24	0.56
983	Shell-Thick	SLE-RARA	-0.2647	-6.6767	7.90	-3.02
983	Shell-Thick	SLE-RARA	-0.2389	-6.8660	7.69	-3.02
983	Shell-Thick	SLE-RARA	-1.4006	-7.0665	7.69	-2.66
983	Shell-Thick	SLE-RARA	-1.4434	-6.7615	7.90	-2.66
983	Shell-Thick	SLE-FREQ.	-0.2777	-6.1011	7.11	-3.27
983	Shell-Thick	SLE-FREQ.	-0.2673	-6.3193	6.90	-3.27
983	Shell-Thick	SLE-FREQ.	-1.3107	-6.4959	6.90	-2.91
983	Shell-Thick	SLE-FREQ.	-1.3359	-6.1770	7.11	-2.91
983	Shell-Thick	SLE-QP	-0.3168	-4.3743	4.72	-3.99
983	Shell-Thick	SLE-QP	-0.3525	-4.6789	4.52	-3.99
983	Shell-Thick	SLE-QP	-1.0410	-4.7840	4.52	-3.65
983	Shell-Thick	SLE-QP	-1.0136	-4.4234	4.72	-3.65
984	Shell-Thick	SLU-STATICA	-0.2602	-8.7562	10.75	-2.63
984	Shell-Thick	SLU-STATICA	-0.4460	-9.0039	10.46	-2.63
984	Shell-Thick	SLU-STATICA	-2.0424	-10.0672	10.46	-2.17
984	Shell-Thick	SLU-STATICA	-1.8461	-9.8779	10.75	-2.17
984	Shell-Thick	SLU-SISMICA	0.1495	-13.2111	18.14	2.05
984	Shell-Thick	SLU-SISMICA	0.0469	-13.0229	17.86	2.05
984	Shell-Thick	SLU-SISMICA	-2.6573	-14.7878	17.86	2.51
984	Shell-Thick	SLU-SISMICA	-2.5476	-15.0157	18.14	2.51
984	Shell-Thick	SLE-RARA	-0.2175	-6.4129	7.77	-2.23
984	Shell-Thick	SLE-RARA	-0.3625	-6.6224	7.56	-2.23
984	Shell-Thick	SLE-RARA	-1.5170	-7.3931	7.56	-1.88
984	Shell-Thick	SLE-RARA	-1.3639	-7.2289	7.77	-1.88
984	Shell-Thick	SLE-FREQ.	-0.2458	-5.8887	6.97	-2.56
984	Shell-Thick	SLE-FREQ.	-0.3941	-6.1288	6.77	-2.56
984	Shell-Thick	SLE-FREQ.	-1.4291	-6.8229	6.77	-2.21
984	Shell-Thick	SLE-FREQ.	-1.2726	-6.6284	6.97	-2.21
984	Shell-Thick	SLE-QP	-0.3308	-4.3160	4.58	-3.55
984	Shell-Thick	SLE-QP	-0.4888	-4.6481	4.38	-3.55
984	Shell-Thick	SLE-QP	-1.1652	-5.1122	4.38	-3.23
984	Shell-Thick	SLE-QP	-0.9988	-4.8270	4.58	-3.23
985	Shell-Thick	SLU-STATICA	-0.4363	-9.0886	10.43	-0.69
985	Shell-Thick	SLU-STATICA	-0.3010	-9.1633	9.91	-0.69
985	Shell-Thick	SLU-STATICA	-1.8247	-9.6397	9.91	-0.22

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985	Shell-Thick	SLU-STATICA	-1.9676	-9.5600	10.43	-0.22
985	Shell-Thick	SLU-SISMICA	0.0316	-13.4444	17.78	5.22
985	Shell-Thick	SLU-SISMICA	0.5445	-12.4996	17.21	5.22
985	Shell-Thick	SLU-SISMICA	-2.0586	-13.3366	17.21	5.73
985	Shell-Thick	SLU-SISMICA	-2.6186	-14.2491	17.78	5.73
985	Shell-Thick	SLE-RARA	-0.3539	-6.6698	7.54	-0.81
985	Shell-Thick	SLE-RARA	-0.2702	-6.7771	7.15	-0.81
985	Shell-Thick	SLE-RARA	-1.3710	-7.1201	7.15	-0.47
985	Shell-Thick	SLE-RARA	-1.4585	-7.0103	7.54	-0.47
985	Shell-Thick	SLE-FREQ.	-0.3836	-6.1473	6.75	-1.28
985	Shell-Thick	SLE-FREQ.	-0.3330	-6.3359	6.37	-1.28
985	Shell-Thick	SLE-FREQ.	-1.3180	-6.6408	6.37	-0.94
985	Shell-Thick	SLE-FREQ.	-1.3690	-6.4521	6.75	-0.94
985	Shell-Thick	SLE-QP	-0.4728	-4.5801	4.38	-2.68
985	Shell-Thick	SLE-QP	-0.5215	-5.0120	4.04	-2.68
985	Shell-Thick	SLE-QP	-1.1589	-5.2026	4.04	-2.38
985	Shell-Thick	SLE-QP	-1.1007	-4.7775	4.38	-2.38
986	Shell-Thick	SLU-STATICA	-0.3093	-8.7515	10.02	1.55
986	Shell-Thick	SLU-STATICA	-0.2575	-8.6659	9.76	1.55
986	Shell-Thick	SLU-STATICA	-1.7510	-9.6598	9.76	2.00
986	Shell-Thick	SLU-STATICA	-1.7828	-9.8832	10.02	2.00
986	Shell-Thick	SLU-SISMICA	0.5028	-12.1220	17.34	8.63
986	Shell-Thick	SLU-SISMICA	0.7424	-11.4239	17.01	8.63
986	Shell-Thick	SLU-SISMICA	-1.8463	-13.0951	17.01	9.20
986	Shell-Thick	SLU-SISMICA	-2.0635	-13.9475	17.34	9.20
986	Shell-Thick	SLE-RARA	-0.2748	-6.4634	7.23	0.82
986	Shell-Thick	SLE-RARA	-0.2449	-6.4291	7.03	0.82
986	Shell-Thick	SLE-RARA	-1.3220	-7.1484	7.03	1.16
986	Shell-Thick	SLE-RARA	-1.3369	-7.2864	7.23	1.16
986	Shell-Thick	SLE-FREQ.	-0.3348	-6.0271	6.45	0.22
986	Shell-Thick	SLE-FREQ.	-0.3210	-6.0439	6.26	0.22
986	Shell-Thick	SLE-FREQ.	-1.2816	-6.6899	6.26	0.54
986	Shell-Thick	SLE-FREQ.	-1.2808	-6.7727	6.45	0.54
986	Shell-Thick	SLE-QP	-0.5147	-4.7180	4.11	-1.59
986	Shell-Thick	SLE-QP	-0.5494	-4.8884	3.95	-1.59
986	Shell-Thick	SLE-QP	-1.1603	-5.3142	3.95	-1.32
986	Shell-Thick	SLE-QP	-1.1127	-5.2318	4.11	-1.32
987	Shell-Thick	SLU-STATICA	-0.2825	-8.9516	9.72	3.32
987	Shell-Thick	SLU-STATICA	-0.0594	-8.6766	9.46	3.32
987	Shell-Thick	SLU-STATICA	-1.5032	-8.9846	9.46	3.78
987	Shell-Thick	SLU-STATICA	-1.7165	-9.3271	9.72	3.78
987	Shell-Thick	SLU-SISMICA	0.6803	-12.0577	16.94	11.19
987	Shell-Thick	SLU-SISMICA	1.1633	-11.0776	16.59	11.19
987	Shell-Thick	SLU-SISMICA	-1.3553	-11.6836	16.59	11.80
987	Shell-Thick	SLU-SISMICA	-1.8327	-12.7037	16.94	11.80
987	Shell-Thick	SLE-RARA	-0.2620	-6.6282	7.01	2.13
987	Shell-Thick	SLE-RARA	-0.1059	-6.4550	6.81	2.13
987	Shell-Thick	SLE-RARA	-1.1464	-6.6735	6.81	2.46
987	Shell-Thick	SLE-RARA	-1.2949	-6.8992	7.01	2.46
987	Shell-Thick	SLE-FREQ.	-0.3347	-6.2095	6.24	1.43
987	Shell-Thick	SLE-FREQ.	-0.2038	-6.0985	6.06	1.43
987	Shell-Thick	SLE-FREQ.	-1.1303	-6.2871	6.06	1.74
987	Shell-Thick	SLE-FREQ.	-1.2534	-6.4516	6.24	1.74
987	Shell-Thick	SLE-QP	-0.5527	-4.9534	3.94	-0.67
987	Shell-Thick	SLE-QP	-0.4974	-5.0291	3.80	-0.67
987	Shell-Thick	SLE-QP	-1.0820	-5.1281	3.80	-0.42
987	Shell-Thick	SLE-QP	-1.1290	-5.1088	3.94	-0.42
988	Shell-Thick	SLU-STATICA	-0.0885	-8.3431	9.57	5.26
988	Shell-Thick	SLU-STATICA	0.1151	-7.9592	9.29	5.26
988	Shell-Thick	SLU-STATICA	-1.3142	-8.8245	9.29	5.74
988	Shell-Thick	SLU-STATICA	-1.4901	-9.3983	9.57	5.74
988	Shell-Thick	SLU-SISMICA	1.0962	-10.7372	16.75	13.91
988	Shell-Thick	SLU-SISMICA	1.5415	-9.6134	16.36	13.91
988	Shell-Thick	SLU-SISMICA	-0.9592	-11.0810	16.36	14.59
988	Shell-Thick	SLU-SISMICA	-1.3707	-12.4367	16.75	14.59
988	Shell-Thick	SLE-RARA	-0.1261	-6.2026	6.90	3.56
988	Shell-Thick	SLE-RARA	0.0161	-5.9486	6.69	3.56
988	Shell-Thick	SLE-RARA	-1.0135	-6.5743	6.69	3.91
988	Shell-Thick	SLE-RARA	-1.1351	-6.9701	6.90	3.91

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988	Shell-Thick	SLE-FREQ.	-0.2204	-5.8529	6.14	2.76
988	Shell-Thick	SLE-FREQ.	-0.1015	-5.6660	5.95	2.76
988	Shell-Thick	SLE-FREQ.	-1.0176	-6.2267	5.95	3.09
988	Shell-Thick	SLE-FREQ.	-1.1169	-6.5485	6.14	3.09
988	Shell-Thick	SLE-QP	-0.5031	-4.8038	3.86	0.36
988	Shell-Thick	SLE-QP	-0.4543	-4.8181	3.71	0.36
988	Shell-Thick	SLE-QP	-1.0302	-5.1842	3.71	0.62
988	Shell-Thick	SLE-QP	-1.0624	-5.2839	3.86	0.62
989	Shell-Thick	SLU-STATICA	0.0693	-8.2183	9.29	7.42
989	Shell-Thick	SLU-STATICA	0.3721	-7.6359	9.00	7.42
989	Shell-Thick	SLU-STATICA	-1.0128	-7.9264	9.00	7.91
989	Shell-Thick	SLU-STATICA	-1.2909	-8.6779	9.29	7.91
989	Shell-Thick	SLU-SISMICA	1.4495	-10.1805	16.34	16.84
989	Shell-Thick	SLU-SISMICA	2.0265	-8.7806	15.91	16.84
989	Shell-Thick	SLU-SISMICA	-0.4067	-9.3597	15.91	17.58
989	Shell-Thick	SLU-SISMICA	-0.9554	-10.9542	16.34	17.58
989	Shell-Thick	SLE-RARA	-0.0162	-6.1295	6.69	5.15
989	Shell-Thick	SLE-RARA	0.1995	-5.7290	6.48	5.15
989	Shell-Thick	SLE-RARA	-0.7976	-5.9347	6.48	5.51
989	Shell-Thick	SLE-RARA	-0.9949	-6.4621	6.69	5.51
989	Shell-Thick	SLE-FREQ.	-0.1293	-5.8171	5.95	4.25
989	Shell-Thick	SLE-FREQ.	0.0586	-5.4936	5.75	4.25
989	Shell-Thick	SLE-FREQ.	-0.8277	-5.6706	5.75	4.58
989	Shell-Thick	SLE-FREQ.	-0.9979	-6.1157	5.95	4.58
989	Shell-Thick	SLE-QP	-0.4683	-4.8800	3.71	1.55
989	Shell-Thick	SLE-QP	-0.3640	-4.7877	3.57	1.55
989	Shell-Thick	SLE-QP	-0.9182	-4.8783	3.57	1.79
989	Shell-Thick	SLE-QP	-1.0070	-5.0765	3.71	1.79
990	Shell-Thick	SLU-STATICA	0.3237	-7.3963	9.12	9.76
990	Shell-Thick	SLU-STATICA	0.6492	-6.6515	8.81	9.76
990	Shell-Thick	SLU-STATICA	-0.7146	-7.3579	8.81	10.30
990	Shell-Thick	SLU-STATICA	-1.0028	-8.3583	9.12	10.30
990	Shell-Thick	SLU-SISMICA	1.9322	-8.5654	16.07	19.95
990	Shell-Thick	SLU-SISMICA	2.5264	-6.9593	15.59	19.95
990	Shell-Thick	SLU-SISMICA	0.1266	-8.1721	15.59	20.78
990	Shell-Thick	SLU-SISMICA	-0.4193	-10.1094	16.07	20.78
990	Shell-Thick	SLE-RARA	0.1651	-5.5462	6.56	6.89
990	Shell-Thick	SLE-RARA	0.3984	-5.0247	6.34	6.89
990	Shell-Thick	SLE-RARA	-0.5834	-5.5347	6.34	7.28
990	Shell-Thick	SLE-RARA	-0.7890	-6.2461	6.56	7.28
990	Shell-Thick	SLE-FREQ.	0.0289	-5.3134	5.83	5.88
990	Shell-Thick	SLE-FREQ.	0.2343	-4.8755	5.62	5.88
990	Shell-Thick	SLE-FREQ.	-0.6381	-5.3314	5.62	6.24
990	Shell-Thick	SLE-FREQ.	-0.8175	-5.9482	5.83	6.24
990	Shell-Thick	SLE-QP	-0.3799	-4.6149	3.63	2.86
990	Shell-Thick	SLE-QP	-0.2580	-4.4280	3.48	2.86
990	Shell-Thick	SLE-QP	-0.8024	-4.7212	3.48	3.12
990	Shell-Thick	SLE-QP	-0.9030	-5.0544	3.63	3.12
991	Shell-Thick	SLU-STATICA	0.5852	-6.8847	8.84	12.33
991	Shell-Thick	SLU-STATICA	0.9721	-5.9256	8.51	12.33
991	Shell-Thick	SLU-STATICA	-0.3490	-6.1153	8.51	12.90
991	Shell-Thick	SLU-STATICA	-0.6957	-7.3502	8.84	12.90
991	Shell-Thick	SLU-SISMICA	2.4095	-7.4588	15.62	23.28
991	Shell-Thick	SLU-SISMICA	3.0754	-5.5729	15.09	23.28
991	Shell-Thick	SLU-SISMICA	0.7454	-5.9888	15.09	24.19
991	Shell-Thick	SLU-SISMICA	0.1316	-8.2319	15.62	24.19
991	Shell-Thick	SLE-RARA	0.3525	-5.1882	6.36	8.79
991	Shell-Thick	SLE-RARA	0.6318	-4.5076	6.12	8.79
991	Shell-Thick	SLE-RARA	-0.3190	-4.6401	6.12	9.21
991	Shell-Thick	SLE-RARA	-0.5684	-5.5256	6.36	9.21
991	Shell-Thick	SLE-FREQ.	0.1939	-5.0131	5.64	7.68
991	Shell-Thick	SLE-FREQ.	0.4434	-4.4254	5.43	7.68
991	Shell-Thick	SLE-FREQ.	-0.4010	-4.5361	5.43	8.05
991	Shell-Thick	SLE-FREQ.	-0.6224	-5.3169	5.64	8.05
991	Shell-Thick	SLE-QP	-0.2819	-4.4878	3.50	4.33
991	Shell-Thick	SLE-QP	-0.1219	-4.1790	3.35	4.33
991	Shell-Thick	SLE-QP	-0.6473	-4.2241	3.35	4.59
991	Shell-Thick	SLE-QP	-0.7843	-4.6908	3.50	4.59
992	Shell-Thick	SLU-STATICA	0.9068	-5.7306	8.63	15.10

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992	Shell-Thick	SLU-STATICA	1.3199	-4.5577	8.27	15.10
992	Shell-Thick	SLU-STATICA	0.0271	-5.0694	8.27	15.72
992	Shell-Thick	SLU-STATICA	-0.3371	-6.5772	8.63	15.72
992	Shell-Thick	SLU-SISMICA	2.9584	-5.4023	15.27	26.80
992	Shell-Thick	SLU-SISMICA	3.6401	-3.2524	14.68	26.80
992	Shell-Thick	SLU-SISMICA	1.3596	-4.1504	14.68	27.82
992	Shell-Thick	SLU-SISMICA	0.7438	-6.7525	15.27	27.82
992	Shell-Thick	SLE-RARA	0.5849	-4.3586	6.21	10.86
992	Shell-Thick	SLE-RARA	0.8845	-3.5186	5.95	10.86
992	Shell-Thick	SLE-RARA	-0.0458	-3.8870	5.95	11.31
992	Shell-Thick	SLE-RARA	-0.3093	-4.9750	6.21	11.31
992	Shell-Thick	SLE-FREQ.	0.4019	-4.2781	5.51	9.63
992	Shell-Thick	SLE-FREQ.	0.6721	-3.5391	5.28	9.63
992	Shell-Thick	SLE-FREQ.	-0.1542	-3.8667	5.28	10.03
992	Shell-Thick	SLE-FREQ.	-0.3905	-4.8380	5.51	10.03
992	Shell-Thick	SLE-QP	-0.1472	-4.0367	3.42	5.94
992	Shell-Thick	SLE-QP	0.0346	-3.6006	3.26	5.94
992	Shell-Thick	SLE-QP	-0.4794	-3.8058	3.26	6.21
992	Shell-Thick	SLE-QP	-0.6341	-4.4268	3.42	6.21
993	Shell-Thick	SLU-STATICA	1.2397	-4.7806	8.32	18.09
993	Shell-Thick	SLU-STATICA	1.6974	-3.3733	7.93	18.09
993	Shell-Thick	SLU-STATICA	0.4497	-3.3380	7.93	18.77
993	Shell-Thick	SLU-STATICA	0.0492	-5.1374	8.32	18.77
993	Shell-Thick	SLU-SISMICA	3.5020	-3.7061	14.75	30.55
993	Shell-Thick	SLU-SISMICA	4.2270	-1.2668	14.09	30.55
993	Shell-Thick	SLU-SISMICA	2.0244	-1.3237	14.09	31.69
993	Shell-Thick	SLU-SISMICA	1.3775	-4.2982	14.75	31.69
993	Shell-Thick	SLE-RARA	0.8266	-3.6759	5.99	13.09
993	Shell-Thick	SLE-RARA	1.1601	-2.6610	5.70	13.09
993	Shell-Thick	SLE-RARA	0.2623	-2.6297	5.70	13.58
993	Shell-Thick	SLE-RARA	-0.0289	-3.9346	5.99	13.58
993	Shell-Thick	SLE-FREQ.	0.6203	-3.6736	5.31	11.74
993	Shell-Thick	SLE-FREQ.	0.9237	-2.7685	5.05	11.74
993	Shell-Thick	SLE-FREQ.	0.1264	-2.7304	5.05	12.18
993	Shell-Thick	SLE-FREQ.	-0.1374	-3.9066	5.31	12.18
993	Shell-Thick	SLE-QP	0.0014	-3.6666	3.28	7.70
993	Shell-Thick	SLE-QP	0.2142	-3.0910	3.11	7.70
993	Shell-Thick	SLE-QP	-0.2812	-3.0325	3.11	8.00
993	Shell-Thick	SLE-QP	-0.4627	-3.8225	3.28	8.00
994	Shell-Thick	SLU-STATICA	1.6168	-3.1680	8.08	21.31
994	Shell-Thick	SLU-STATICA	2.0861	-1.4954	7.64	21.31
994	Shell-Thick	SLU-STATICA	0.8754	-1.7515	7.64	22.06
994	Shell-Thick	SLU-STATICA	0.4686	-3.8515	8.08	22.06
994	Shell-Thick	SLU-SISMICA	4.0902	-1.0560	14.31	34.51
994	Shell-Thick	SLU-SISMICA	4.8046	1.7043	13.58	34.51
994	Shell-Thick	SLU-SISMICA	2.6691	1.2206	13.58	35.78
994	Shell-Thick	SLU-SISMICA	2.0413	-2.1338	14.31	35.78
994	Shell-Thick	SLE-RARA	1.1019	-2.5057	5.81	15.49
994	Shell-Thick	SLE-RARA	1.4452	-1.2925	5.50	15.49
994	Shell-Thick	SLE-RARA	0.5740	-1.4753	5.50	16.03
994	Shell-Thick	SLE-RARA	0.2767	-3.0040	5.81	16.03
994	Shell-Thick	SLE-FREQ.	0.8715	-2.6175	5.15	14.02
994	Shell-Thick	SLE-FREQ.	1.1862	-1.5236	4.87	14.02
994	Shell-Thick	SLE-FREQ.	0.4124	-1.6831	4.87	14.51
994	Shell-Thick	SLE-FREQ.	0.1406	-3.0711	5.15	14.51
994	Shell-Thick	SLE-QP	0.1802	-2.9529	3.19	9.62
994	Shell-Thick	SLE-QP	0.4090	-2.2169	3.00	9.62
994	Shell-Thick	SLE-QP	-0.0722	-2.3068	3.00	9.94
994	Shell-Thick	SLE-QP	-0.2676	-3.2724	3.19	9.94
995	Shell-Thick	SLU-STATICA	1.9896	-1.7371	7.71	24.75
995	Shell-Thick	SLU-STATICA	2.4930	0.1910	7.22	24.75
995	Shell-Thick	SLU-STATICA	1.3345	0.6197	7.22	25.59
995	Shell-Thick	SLU-STATICA	0.9075	-1.8316	7.71	25.59
995	Shell-Thick	SLU-SISMICA	4.6454	1.2520	13.67	38.70
995	Shell-Thick	SLU-SISMICA	5.3843	4.3118	12.85	38.70
995	Shell-Thick	SLU-SISMICA	3.3411	4.8766	12.85	40.12
995	Shell-Thick	SLU-SISMICA	2.7097	1.0803	13.67	40.12
995	Shell-Thick	SLE-RARA	1.3753	-1.4652	5.54	18.06
995	Shell-Thick	SLE-RARA	1.7450	-0.0606	5.19	18.06

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995	Shell-Thick	SLE-RARA	0.9112	0.2575	5.19	18.67
995	Shell-Thick	SLE-RARA	0.5979	-1.5329	5.54	18.67
995	Shell-Thick	SLE-FREQ.	1.1231	-1.6747	4.92	16.47
995	Shell-Thick	SLE-FREQ.	1.4644	-0.3978	4.60	16.47
995	Shell-Thick	SLE-FREQ.	0.7238	-0.0987	4.60	17.01
995	Shell-Thick	SLE-FREQ.	0.4350	-1.7344	4.92	17.01
995	Shell-Thick	SLE-QP	0.3666	-2.3033	3.04	11.70
995	Shell-Thick	SLE-QP	0.6224	-1.4093	2.83	11.70
995	Shell-Thick	SLE-QP	0.1617	-1.1673	2.83	12.05
995	Shell-Thick	SLE-QP	-0.0535	-2.3390	3.04	12.05
996	Shell-Thick	SLU-STATICA	2.3962	0.4549	7.41	28.43
996	Shell-Thick	SLU-STATICA	2.8986	2.7028	6.87	28.43
996	Shell-Thick	SLU-STATICA	1.7884	2.7967	6.87	29.36
996	Shell-Thick	SLU-STATICA	1.3636	0.0174	7.41	29.36
996	Shell-Thick	SLU-SISMICA	5.2261	4.6341	13.12	43.11
996	Shell-Thick	SLU-SISMICA	5.9330	8.0753	12.21	43.11
996	Shell-Thick	SLU-SISMICA	3.9777	8.1589	12.21	44.69
996	Shell-Thick	SLU-SISMICA	3.3810	3.9623	13.12	44.69
996	Shell-Thick	SLE-RARA	1.6747	0.1365	5.33	20.81
996	Shell-Thick	SLE-RARA	2.0452	1.7803	4.94	20.81
996	Shell-Thick	SLE-RARA	1.2461	1.8520	4.94	21.48
996	Shell-Thick	SLE-RARA	0.9328	-0.1833	5.33	21.48
996	Shell-Thick	SLE-FREQ.	1.4009	-0.2103	4.73	19.09
996	Shell-Thick	SLE-FREQ.	1.7454	1.2949	4.38	19.09
996	Shell-Thick	SLE-FREQ.	1.0354	1.3657	4.38	19.69
996	Shell-Thick	SLE-FREQ.	0.7440	-0.5030	4.73	19.69
996	Shell-Thick	SLE-QP	0.5793	-1.2508	2.93	13.93
996	Shell-Thick	SLE-QP	0.8460	-0.1614	2.70	13.93
996	Shell-Thick	SLE-QP	0.4035	-0.0933	2.70	14.32
996	Shell-Thick	SLE-QP	0.1776	-1.4620	2.93	14.32
997	Shell-Thick	SLU-STATICA	2.7986	2.4069	6.93	32.08
997	Shell-Thick	SLU-STATICA	3.2406	4.5036	6.40	32.08
997	Shell-Thick	SLU-STATICA	2.2159	5.6430	6.40	33.12
997	Shell-Thick	SLU-STATICA	1.8225	2.7630	6.93	33.12
997	Shell-Thick	SLU-SISMICA	5.7713	7.5688	12.30	47.44
997	Shell-Thick	SLU-SISMICA	6.3712	10.6946	11.40	47.44
997	Shell-Thick	SLU-SISMICA	4.5589	12.3637	11.40	49.21
997	Shell-Thick	SLU-SISMICA	4.0289	8.1127	12.30	49.21
997	Shell-Thick	SLE-RARA	1.9725	1.5666	4.99	23.54
997	Shell-Thick	SLE-RARA	2.2996	3.1041	4.60	23.54
997	Shell-Thick	SLE-RARA	1.5623	3.9410	4.60	24.30
997	Shell-Thick	SLE-RARA	1.2711	1.8271	4.99	24.30
997	Shell-Thick	SLE-FREQ.	1.6795	1.1038	4.42	21.70
997	Shell-Thick	SLE-FREQ.	1.9856	2.5188	4.08	21.70
997	Shell-Thick	SLE-FREQ.	1.3313	3.2916	4.08	22.38
997	Shell-Thick	SLE-FREQ.	1.0584	1.3424	4.42	22.38
997	Shell-Thick	SLE-QP	0.8007	-0.2848	2.73	16.17
997	Shell-Thick	SLE-QP	1.0437	0.7628	2.51	16.17
997	Shell-Thick	SLE-QP	0.6380	1.3431	2.51	16.61
997	Shell-Thick	SLE-QP	0.4204	-0.1116	2.73	16.61
998	Shell-Thick	SLU-STATICA	0.7268	-8.8222	12.62	-7.72
998	Shell-Thick	SLU-STATICA	0.8454	-9.1631	11.87	-7.72
998	Shell-Thick	SLU-STATICA	-0.9513	-9.2499	11.87	-6.43
998	Shell-Thick	SLU-STATICA	-1.1506	-8.3597	12.62	-6.43
998	Shell-Thick	SLU-SISMICA	0.6411	-14.8797	18.48	-10.03
998	Shell-Thick	SLU-SISMICA	0.8542	-15.2530	17.84	-10.03
998	Shell-Thick	SLU-SISMICA	-1.8045	-15.0504	17.84	-8.93
998	Shell-Thick	SLU-SISMICA	-2.1502	-13.7738	18.48	-8.93
998	Shell-Thick	SLE-RARA	0.5550	-6.3832	9.27	-5.73
998	Shell-Thick	SLE-RARA	0.6401	-6.6398	8.70	-5.73
998	Shell-Thick	SLE-RARA	-0.6783	-6.7200	8.70	-4.75
998	Shell-Thick	SLE-RARA	-0.8220	-6.0647	9.27	-4.75
998	Shell-Thick	SLE-FREQ.	0.5483	-5.7280	8.56	-5.40
998	Shell-Thick	SLE-FREQ.	0.6236	-5.9757	7.99	-5.40
998	Shell-Thick	SLE-FREQ.	-0.5914	-6.0776	7.99	-4.43
998	Shell-Thick	SLE-FREQ.	-0.7196	-5.4702	8.56	-4.43
998	Shell-Thick	SLE-QP	0.5284	-3.7624	6.43	-4.41
998	Shell-Thick	SLE-QP	0.5741	-3.9831	5.88	-4.41
998	Shell-Thick	SLE-QP	-0.3309	-4.1505	5.88	-3.46

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998	Shell-Thick	SLE-QP	-0.4124	-3.6868	6.43	-3.46
999	Shell-Thick	SLU-STATICA	0.9385	-8.1021	12.00	-7.36
999	Shell-Thick	SLU-STATICA	0.1190	-8.7090	11.62	-7.36
999	Shell-Thick	SLU-STATICA	-1.6521	-9.8755	11.62	-6.69
999	Shell-Thick	SLU-STATICA	-0.8341	-9.2595	12.00	-6.69
999	Shell-Thick	SLU-SISMICA	1.0057	-13.5963	18.04	-8.79
999	Shell-Thick	SLU-SISMICA	-0.1967	-14.3306	17.84	-8.79
999	Shell-Thick	SLU-SISMICA	-2.8860	-16.1317	17.84	-8.43
999	Shell-Thick	SLU-SISMICA	-1.6880	-15.3674	18.04	-8.43
999	Shell-Thick	SLE-RARA	0.7078	-5.8656	8.79	-5.51
999	Shell-Thick	SLE-RARA	0.1059	-6.3191	8.49	-5.51
999	Shell-Thick	SLE-RARA	-1.1904	-7.1713	8.49	-4.99
999	Shell-Thick	SLE-RARA	-0.5895	-6.7119	8.79	-4.99
999	Shell-Thick	SLE-FREQ.	0.6848	-5.2694	8.08	-5.26
999	Shell-Thick	SLE-FREQ.	0.1292	-5.7013	7.77	-5.26
999	Shell-Thick	SLE-FREQ.	-1.0597	-6.4804	7.77	-4.72
999	Shell-Thick	SLE-FREQ.	-0.5048	-6.0445	8.08	-4.72
999	Shell-Thick	SLE-QP	0.6159	-3.4810	5.94	-4.50
999	Shell-Thick	SLE-QP	0.1992	-3.8479	5.61	-4.50
999	Shell-Thick	SLE-QP	-0.6674	-4.4075	5.61	-3.92
999	Shell-Thick	SLE-QP	-0.2506	-4.0421	5.94	-3.92
1000	Shell-Thick	SLU-STATICA	0.1992	-8.9612	11.46	-6.94
1000	Shell-Thick	SLU-STATICA	0.3064	-9.3113	11.04	-6.94
1000	Shell-Thick	SLU-STATICA	-1.3488	-9.3610	11.04	-6.21
1000	Shell-Thick	SLU-STATICA	-1.5211	-8.5673	11.46	-6.21
1000	Shell-Thick	SLU-SISMICA	-0.0749	-14.9774	17.54	-7.46
1000	Shell-Thick	SLU-SISMICA	0.1618	-15.2389	17.27	-7.46
1000	Shell-Thick	SLU-SISMICA	-2.3952	-15.1398	17.27	-6.99
1000	Shell-Thick	SLU-SISMICA	-2.7396	-14.1439	17.54	-6.99
1000	Shell-Thick	SLE-RARA	0.1646	-6.4905	8.38	-5.23
1000	Shell-Thick	SLE-RARA	0.2394	-6.7602	8.05	-5.23
1000	Shell-Thick	SLE-RARA	-0.9699	-6.8052	8.05	-4.67
1000	Shell-Thick	SLE-RARA	-1.0919	-6.2139	8.38	-4.67
1000	Shell-Thick	SLE-FREQ.	0.1830	-5.8360	7.67	-5.06
1000	Shell-Thick	SLE-FREQ.	0.2454	-6.1064	7.34	-5.06
1000	Shell-Thick	SLE-FREQ.	-0.8599	-6.1625	7.34	-4.49
1000	Shell-Thick	SLE-FREQ.	-0.9648	-5.6024	7.67	-4.49
1000	Shell-Thick	SLE-QP	0.2385	-3.8727	5.56	-4.54
1000	Shell-Thick	SLE-QP	0.2633	-4.1449	5.21	-4.54
1000	Shell-Thick	SLE-QP	-0.5302	-4.2344	5.21	-3.95
1000	Shell-Thick	SLE-QP	-0.5837	-3.7679	5.56	-3.95
1001	Shell-Thick	SLU-STATICA	0.3853	-8.3689	11.16	-6.47
1001	Shell-Thick	SLU-STATICA	-0.2345	-8.9061	10.80	-6.47
1001	Shell-Thick	SLU-STATICA	-1.8818	-10.0085	10.80	-5.85
1001	Shell-Thick	SLU-STATICA	-1.2617	-9.4739	11.16	-5.85
1001	Shell-Thick	SLU-SISMICA	0.2804	-13.8455	17.44	-6.15
1001	Shell-Thick	SLU-SISMICA	-0.5603	-14.3517	17.22	-6.15
1001	Shell-Thick	SLU-SISMICA	-3.1588	-16.1022	17.22	-5.76
1001	Shell-Thick	SLU-SISMICA	-2.3217	-15.5724	17.44	-5.76
1001	Shell-Thick	SLE-RARA	0.2972	-6.0686	8.14	-4.92
1001	Shell-Thick	SLE-RARA	-0.1614	-6.4771	7.86	-4.92
1001	Shell-Thick	SLE-RARA	-1.3623	-7.2802	7.86	-4.43
1001	Shell-Thick	SLE-RARA	-0.9033	-6.8749	8.14	-4.43
1001	Shell-Thick	SLE-FREQ.	0.2985	-5.4689	7.43	-4.83
1001	Shell-Thick	SLE-FREQ.	-0.1307	-5.8699	7.14	-4.83
1001	Shell-Thick	SLE-FREQ.	-1.2237	-6.5999	7.14	-4.33
1001	Shell-Thick	SLE-FREQ.	-0.7939	-6.2042	7.43	-4.33
1001	Shell-Thick	SLE-QP	0.3024	-3.6698	5.27	-4.54
1001	Shell-Thick	SLE-QP	-0.0384	-4.0482	4.97	-4.54
1001	Shell-Thick	SLE-QP	-0.8081	-4.5590	4.97	-4.02
1001	Shell-Thick	SLE-QP	-0.4658	-4.1921	5.27	-4.02
1002	Shell-Thick	SLU-STATICA	-0.1760	-9.1910	10.66	-5.82
1002	Shell-Thick	SLU-STATICA	-0.0566	-9.5025	10.32	-5.82
1002	Shell-Thick	SLU-STATICA	-1.6059	-9.5483	10.32	-5.24
1002	Shell-Thick	SLU-STATICA	-1.7751	-8.8978	10.66	-5.24
1002	Shell-Thick	SLU-SISMICA	-0.4794	-15.0304	16.96	-4.60
1002	Shell-Thick	SLU-SISMICA	-0.1911	-15.1293	16.75	-4.60
1002	Shell-Thick	SLU-SISMICA	-2.6783	-15.1462	16.75	-4.24
1002	Shell-Thick	SLU-SISMICA	-3.0503	-14.4761	16.96	-4.24



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1002	Shell-Thick	SLE-RARA	-0.1183	-6.6734	7.76	-4.47
1002	Shell-Thick	SLE-RARA	-0.0362	-6.9200	7.50	-4.47
1002	Shell-Thick	SLE-RARA	-1.1634	-6.9562	7.50	-4.02
1002	Shell-Thick	SLE-RARA	-1.2815	-6.4643	7.76	-4.02
1002	Shell-Thick	SLE-FREQ.	-0.0904	-6.0290	7.05	-4.46
1002	Shell-Thick	SLE-FREQ.	-0.0243	-6.2870	6.79	-4.46
1002	Shell-Thick	SLE-FREQ.	-1.0466	-6.3247	6.79	-4.00
1002	Shell-Thick	SLE-FREQ.	-1.1451	-5.8464	7.05	-4.00
1002	Shell-Thick	SLE-QP	-0.0069	-4.0957	4.93	-4.43
1002	Shell-Thick	SLE-QP	0.0116	-4.3878	4.65	-4.43
1002	Shell-Thick	SLE-QP	-0.6962	-4.4300	4.65	-3.95
1002	Shell-Thick	SLE-QP	-0.7359	-3.9930	4.93	-3.95
1003	Shell-Thick	SLU-STATICA	4.519E-04	-8.6864	10.44	-5.13
1003	Shell-Thick	SLU-STATICA	-0.4140	-9.1196	10.14	-5.13
1003	Shell-Thick	SLU-STATICA	-1.9597	-10.1746	10.14	-4.60
1003	Shell-Thick	SLU-STATICA	-1.5424	-9.7613	10.44	-4.60
1003	Shell-Thick	SLU-SISMICA	-0.1135	-13.9878	16.92	-3.07
1003	Shell-Thick	SLU-SISMICA	-0.6039	-14.2371	16.72	-3.07
1003	Shell-Thick	SLU-SISMICA	-3.1272	-15.9514	16.72	-2.73
1003	Shell-Thick	SLU-SISMICA	-2.6377	-15.6966	16.92	-2.73
1003	Shell-Thick	SLE-RARA	0.0060	-6.3178	7.59	-3.99
1003	Shell-Thick	SLE-RARA	-0.3043	-6.6553	7.36	-3.99
1003	Shell-Thick	SLE-RARA	-1.4267	-7.4219	7.36	-3.58
1003	Shell-Thick	SLE-RARA	-1.1141	-7.1008	7.59	-3.58
1003	Shell-Thick	SLE-FREQ.	0.0152	-5.7264	6.87	-4.06
1003	Shell-Thick	SLE-FREQ.	-0.2812	-6.0707	6.63	-4.06
1003	Shell-Thick	SLE-FREQ.	-1.2956	-6.7641	6.63	-3.65
1003	Shell-Thick	SLE-FREQ.	-0.9967	-6.4380	6.87	-3.65
1003	Shell-Thick	SLE-QP	0.0429	-3.9520	4.71	-4.27
1003	Shell-Thick	SLE-QP	-0.2119	-4.3167	4.47	-4.27
1003	Shell-Thick	SLE-QP	-0.9022	-4.7909	4.47	-3.85
1003	Shell-Thick	SLE-QP	-0.6442	-4.4494	4.71	-3.85
1004	Shell-Thick	SLU-STATICA	-0.3771	-9.4349	10.02	-4.25
1004	Shell-Thick	SLU-STATICA	-0.2311	-9.6659	9.75	-4.25
1004	Shell-Thick	SLU-STATICA	-1.6968	-9.7299	9.75	-3.77
1004	Shell-Thick	SLU-STATICA	-1.8774	-9.2630	10.02	-3.77
1004	Shell-Thick	SLU-SISMICA	-0.5616	-14.9444	16.50	-1.31
1004	Shell-Thick	SLU-SISMICA	-0.2078	-14.8386	16.32	-1.31
1004	Shell-Thick	SLU-SISMICA	-2.6401	-14.9747	16.32	-0.99
1004	Shell-Thick	SLU-SISMICA	-3.0542	-14.6682	16.50	-0.99
1004	Shell-Thick	SLE-RARA	-0.2765	-6.8747	7.27	-3.37
1004	Shell-Thick	SLE-RARA	-0.1763	-7.0665	7.06	-3.37
1004	Shell-Thick	SLE-RARA	-1.2387	-7.1114	7.06	-3.00
1004	Shell-Thick	SLE-RARA	-1.3639	-6.7496	7.27	-3.00
1004	Shell-Thick	SLE-FREQ.	-0.2545	-6.2524	6.56	-3.53
1004	Shell-Thick	SLE-FREQ.	-0.1738	-6.4672	6.34	-3.53
1004	Shell-Thick	SLE-FREQ.	-1.1306	-6.5050	6.34	-3.15
1004	Shell-Thick	SLE-FREQ.	-1.2336	-6.1390	6.56	-3.15
1004	Shell-Thick	SLE-QP	-0.1886	-4.3855	4.42	-4.00
1004	Shell-Thick	SLE-QP	-0.1665	-4.6692	4.20	-4.00
1004	Shell-Thick	SLE-QP	-0.8064	-4.6859	4.20	-3.61
1004	Shell-Thick	SLE-QP	-0.8425	-4.3071	4.42	-3.61
1005	Shell-Thick	SLU-STATICA	-0.1969	-8.9793	9.86	-3.31
1005	Shell-Thick	SLU-STATICA	-0.4031	-9.2701	9.61	-3.31
1005	Shell-Thick	SLU-STATICA	-1.8669	-10.2800	9.61	-2.87
1005	Shell-Thick	SLU-STATICA	-1.6543	-10.0332	9.86	-2.87
1005	Shell-Thick	SLU-SISMICA	-0.1706	-13.9342	16.48	0.47
1005	Shell-Thick	SLU-SISMICA	-0.3239	-13.8920	16.29	0.47
1005	Shell-Thick	SLU-SISMICA	-2.7845	-15.5633	16.29	0.79
1005	Shell-Thick	SLU-SISMICA	-2.6276	-15.6305	16.48	0.79
1005	Shell-Thick	SLE-RARA	-0.1505	-6.5571	7.14	-2.70
1005	Shell-Thick	SLE-RARA	-0.3094	-6.7941	6.95	-2.70
1005	Shell-Thick	SLE-RARA	-1.3689	-7.5263	6.95	-2.36
1005	Shell-Thick	SLE-RARA	-1.2050	-7.3236	7.14	-2.36
1005	Shell-Thick	SLE-FREQ.	-0.1489	-5.9882	6.42	-2.94
1005	Shell-Thick	SLE-FREQ.	-0.3083	-6.2467	6.23	-2.94
1005	Shell-Thick	SLE-FREQ.	-1.2597	-6.9066	6.23	-2.60
1005	Shell-Thick	SLE-FREQ.	-1.0953	-6.6831	6.42	-2.60
1005	Shell-Thick	SLE-QP	-0.1443	-4.2817	4.26	-3.67



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1005	Shell-Thick	SLE-QP	-0.3049	-4.6047	4.06	-3.67
1005	Shell-Thick	SLE-QP	-0.9322	-5.0473	4.06	-3.33
1005	Shell-Thick	SLE-QP	-0.7663	-4.7614	4.26	-3.33
1006	Shell-Thick	SLU-STATICA	-0.3869	-9.5845	9.51	-2.17
1006	Shell-Thick	SLU-STATICA	-0.2111	-9.7025	9.27	-2.17
1006	Shell-Thick	SLU-STATICA	-1.6091	-9.8263	9.27	-1.76
1006	Shell-Thick	SLU-STATICA	-1.8072	-9.5863	9.51	-1.76
1006	Shell-Thick	SLU-SISMICA	-0.3173	-14.5824	16.12	2.50
1006	Shell-Thick	SLU-SISMICA	0.1052	-14.2225	15.94	2.50
1006	Shell-Thick	SLU-SISMICA	-2.2785	-14.5143	15.94	2.81
1006	Shell-Thick	SLU-SISMICA	-2.7441	-14.6383	16.12	2.81
1006	Shell-Thick	SLE-RARA	-0.2966	-7.0135	6.88	-1.87
1006	Shell-Thick	SLE-RARA	-0.1757	-7.1268	6.69	-1.87
1006	Shell-Thick	SLE-RARA	-1.1859	-7.2122	6.69	-1.56
1006	Shell-Thick	SLE-RARA	-1.3227	-7.0122	6.88	-1.56
1006	Shell-Thick	SLE-FREQ.	-0.2950	-6.4298	6.17	-2.21
1006	Shell-Thick	SLE-FREQ.	-0.1973	-6.5796	5.98	-2.21
1006	Shell-Thick	SLE-FREQ.	-1.1016	-6.6491	5.98	-1.90
1006	Shell-Thick	SLE-FREQ.	-1.2131	-6.4241	6.17	-1.90
1006	Shell-Thick	SLE-QP	-0.2902	-4.6788	4.03	-3.22
1006	Shell-Thick	SLE-QP	-0.2623	-4.9381	3.84	-3.22
1006	Shell-Thick	SLE-QP	-0.8489	-4.9598	3.84	-2.91
1006	Shell-Thick	SLE-QP	-0.8843	-4.6599	4.03	-2.91
1007	Shell-Thick	SLU-STATICA	-0.2035	-9.2313	9.37	-0.26
1007	Shell-Thick	SLU-STATICA	-0.0162	-9.2538	8.94	-0.26
1007	Shell-Thick	SLU-STATICA	-1.4072	-10.0218	8.94	0.13
1007	Shell-Thick	SLU-STATICA	-1.5616	-10.0223	9.37	0.13
1007	Shell-Thick	SLU-SISMICA	0.0931	-13.7399	16.06	5.69
1007	Shell-Thick	SLU-SISMICA	0.6830	-12.7552	15.68	5.69
1007	Shell-Thick	SLU-SISMICA	-1.7109	-14.0623	15.68	6.02
1007	Shell-Thick	SLU-SISMICA	-2.2794	-15.0621	16.06	6.02
1007	Shell-Thick	SLE-RARA	-0.1689	-6.7703	6.77	-0.49
1007	Shell-Thick	SLE-RARA	-0.0471	-6.8375	6.44	-0.49
1007	Shell-Thick	SLE-RARA	-1.0511	-7.3925	6.44	-0.20
1007	Shell-Thick	SLE-RARA	-1.1475	-7.3432	6.77	-0.20
1007	Shell-Thick	SLE-FREQ.	-0.1891	-6.2329	6.05	-0.97
1007	Shell-Thick	SLE-FREQ.	-0.1035	-6.3812	5.72	-0.97
1007	Shell-Thick	SLE-FREQ.	-1.0002	-6.8782	5.72	-0.68
1007	Shell-Thick	SLE-FREQ.	-1.0603	-6.7479	6.05	-0.68
1007	Shell-Thick	SLE-QP	-0.2498	-4.6205	3.90	-2.39
1007	Shell-Thick	SLE-QP	-0.2724	-5.0122	3.59	-2.39
1007	Shell-Thick	SLE-QP	-0.8476	-5.3352	3.59	-2.12
1007	Shell-Thick	SLE-QP	-0.7984	-4.9622	3.90	-2.12
1008	Shell-Thick	SLU-STATICA	-0.0369	-9.4906	8.91	2.03
1008	Shell-Thick	SLU-STATICA	0.2583	-9.3014	8.71	2.03
1008	Shell-Thick	SLU-STATICA	-1.0641	-9.4512	8.71	2.37
1008	Shell-Thick	SLU-STATICA	-1.3586	-9.6454	8.91	2.37
1008	Shell-Thick	SLU-SISMICA	0.6266	-13.3661	15.61	9.23
1008	Shell-Thick	SLU-SISMICA	1.2235	-12.5245	15.40	9.23
1008	Shell-Thick	SLU-SISMICA	-1.0995	-12.9019	15.40	9.58
1008	Shell-Thick	SLU-SISMICA	-1.7034	-13.6964	15.61	9.58
1008	Shell-Thick	SLE-RARA	-0.0610	-6.9983	6.42	1.18
1008	Shell-Thick	SLE-RARA	0.1476	-6.8874	6.27	1.18
1008	Shell-Thick	SLE-RARA	-0.8045	-6.9896	6.27	1.44
1008	Shell-Thick	SLE-RARA	-1.0123	-7.1069	6.42	1.44
1008	Shell-Thick	SLE-FREQ.	-0.1140	-6.5072	5.71	0.56
1008	Shell-Thick	SLE-FREQ.	0.0647	-6.4527	5.56	0.56
1008	Shell-Thick	SLE-FREQ.	-0.7818	-6.5336	5.56	0.81
1008	Shell-Thick	SLE-FREQ.	-0.9590	-6.5987	5.71	0.81
1008	Shell-Thick	SLE-QP	-0.2731	-5.0341	3.58	-1.30
1008	Shell-Thick	SLE-QP	-0.1842	-5.1487	3.45	-1.30
1008	Shell-Thick	SLE-QP	-0.7135	-5.1659	3.45	-1.07
1008	Shell-Thick	SLE-QP	-0.7991	-5.0743	3.58	-1.07
1009	Shell-Thick	SLU-STATICA	0.2403	-8.8950	8.83	3.81
1009	Shell-Thick	SLU-STATICA	0.4871	-8.6272	8.63	3.81
1009	Shell-Thick	SLU-STATICA	-0.8342	-9.4941	8.63	4.15
1009	Shell-Thick	SLU-STATICA	-1.0582	-9.9184	8.83	4.15
1009	Shell-Thick	SLU-SISMICA	1.1759	-12.0633	15.57	11.83
1009	Shell-Thick	SLU-SISMICA	1.6995	-11.1113	15.33	11.83

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1009	Shell-Thick	SLU-SISMICA	-0.6323	-12.6040	15.33	12.23
1009	Shell-Thick	SLU-SISMICA	-1.1283	-13.7451	15.57	12.23
1009	Shell-Thick	SLE-RARA	0.1355	-6.5822	6.35	2.48
1009	Shell-Thick	SLE-RARA	0.3087	-6.4134	6.21	2.48
1009	Shell-Thick	SLE-RARA	-0.6422	-7.0391	6.21	2.74
1009	Shell-Thick	SLE-RARA	-0.7984	-7.3249	6.35	2.74
1009	Shell-Thick	SLE-FREQ.	0.0552	-6.1595	5.64	1.76
1009	Shell-Thick	SLE-FREQ.	0.2014	-6.0511	5.50	1.76
1009	Shell-Thick	SLE-FREQ.	-0.6430	-6.6100	5.50	2.01
1009	Shell-Thick	SLE-FREQ.	-0.7729	-6.8298	5.64	2.01
1009	Shell-Thick	SLE-QP	-0.1855	-4.8915	3.51	-0.40
1009	Shell-Thick	SLE-QP	-0.1203	-4.9643	3.39	-0.40
1009	Shell-Thick	SLE-QP	-0.6453	-5.3226	3.39	-0.19
1009	Shell-Thick	SLE-QP	-0.6966	-5.3446	3.51	-0.19
1010	Shell-Thick	SLU-STATICA	0.4537	-8.9348	8.60	5.80
1010	Shell-Thick	SLU-STATICA	0.8276	-8.4709	8.41	5.80
1010	Shell-Thick	SLU-STATICA	-0.4568	-8.6830	8.41	6.13
1010	Shell-Thick	SLU-STATICA	-0.8148	-9.2565	8.60	6.13
1010	Shell-Thick	SLU-SISMICA	1.6280	-11.7490	15.27	14.66
1010	Shell-Thick	SLU-SISMICA	2.3286	-10.5113	15.03	14.66
1010	Shell-Thick	SLU-SISMICA	0.0476	-10.9978	15.03	15.08
1010	Shell-Thick	SLU-SISMICA	-0.6368	-12.3469	15.27	15.08
1010	Shell-Thick	SLE-RARA	0.2852	-6.6300	6.19	3.95
1010	Shell-Thick	SLE-RARA	0.5523	-6.3171	6.05	3.95
1010	Shell-Thick	SLE-RARA	-0.3713	-6.4641	6.05	4.20
1010	Shell-Thick	SLE-RARA	-0.6263	-6.8600	6.19	4.20
1010	Shell-Thick	SLE-FREQ.	0.1817	-6.2353	5.48	3.13
1010	Shell-Thick	SLE-FREQ.	0.4153	-5.9936	5.35	3.13
1010	Shell-Thick	SLE-FREQ.	-0.4036	-6.1145	5.35	3.36
1010	Shell-Thick	SLE-FREQ.	-0.6255	-6.4369	5.48	3.36
1010	Shell-Thick	SLE-QP	-0.1289	-5.0510	3.38	0.65
1010	Shell-Thick	SLE-QP	0.0044	-5.0234	3.28	0.65
1010	Shell-Thick	SLE-QP	-0.5005	-5.0656	3.28	0.84
1010	Shell-Thick	SLE-QP	-0.6230	-5.1676	3.38	0.84
1011	Shell-Thick	SLU-STATICA	0.7935	-8.1742	8.52	7.98
1011	Shell-Thick	SLU-STATICA	1.1878	-7.5732	8.33	7.98
1011	Shell-Thick	SLU-STATICA	-0.0922	-8.3240	8.33	8.32
1011	Shell-Thick	SLU-STATICA	-0.4549	-9.1409	8.52	8.32
1011	Shell-Thick	SLU-SISMICA	2.2570	-10.2065	15.18	17.66
1011	Shell-Thick	SLU-SISMICA	2.9777	-8.7881	14.90	17.66
1011	Shell-Thick	SLU-SISMICA	0.7003	-10.1015	14.90	18.15
1011	Shell-Thick	SLU-SISMICA	0.0202	-11.7979	15.18	18.15
1011	Shell-Thick	SLE-RARA	0.5283	-6.0926	6.13	5.56
1011	Shell-Thick	SLE-RARA	0.8108	-5.6779	5.98	5.56
1011	Shell-Thick	SLE-RARA	-0.1093	-6.2188	5.98	5.82
1011	Shell-Thick	SLE-RARA	-0.3684	-6.7940	6.13	5.82
1011	Shell-Thick	SLE-FREQ.	0.3950	-5.7754	5.43	4.63
1011	Shell-Thick	SLE-FREQ.	0.6438	-5.4381	5.29	4.63
1011	Shell-Thick	SLE-FREQ.	-0.1718	-5.9194	5.29	4.86
1011	Shell-Thick	SLE-FREQ.	-0.3984	-6.4081	5.43	4.86
1011	Shell-Thick	SLE-QP	-0.0049	-4.8237	3.33	1.83
1011	Shell-Thick	SLE-QP	0.1425	-4.7186	3.23	1.83
1011	Shell-Thick	SLE-QP	-0.3591	-5.0212	3.23	2.01
1011	Shell-Thick	SLE-QP	-0.4883	-5.2505	3.33	2.01
1012	Shell-Thick	SLU-STATICA	1.1395	-7.8171	8.33	10.38
1012	Shell-Thick	SLU-STATICA	1.6021	-7.0072	8.13	10.38
1012	Shell-Thick	SLU-STATICA	0.3513	-7.2331	8.13	10.73
1012	Shell-Thick	SLU-STATICA	-0.0797	-8.2593	8.33	10.73
1012	Shell-Thick	SLU-SISMICA	2.8848	-9.3056	14.89	20.89
1012	Shell-Thick	SLU-SISMICA	3.6918	-7.6021	14.59	20.89
1012	Shell-Thick	SLU-SISMICA	1.4600	-8.1088	14.59	21.42
1012	Shell-Thick	SLU-SISMICA	0.6929	-10.0854	14.89	21.42
1012	Shell-Thick	SLE-RARA	0.7765	-5.8492	5.99	7.34
1012	Shell-Thick	SLE-RARA	1.1099	-5.2799	5.84	7.34
1012	Shell-Thick	SLE-RARA	0.2110	-5.4371	5.84	7.59
1012	Shell-Thick	SLE-RARA	-0.0989	-6.1674	5.99	7.59
1012	Shell-Thick	SLE-FREQ.	0.6139	-5.5826	5.30	6.30
1012	Shell-Thick	SLE-FREQ.	0.9108	-5.1009	5.17	6.30
1012	Shell-Thick	SLE-FREQ.	0.1147	-5.2311	5.17	6.53

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1012	Shell-Thick	SLE-FREQ.	-0.1600	-5.8653	5.30	6.53
1012	Shell-Thick	SLE-QP	0.1261	-4.7830	3.24	3.17
1012	Shell-Thick	SLE-QP	0.3135	-4.5637	3.14	3.17
1012	Shell-Thick	SLE-QP	-0.1743	-4.6131	3.14	3.33
1012	Shell-Thick	SLE-QP	-0.3431	-4.9589	3.24	3.33
1013	Shell-Thick	SLU-STATICA	1.5553	-6.7682	8.25	12.99
1013	Shell-Thick	SLU-STATICA	2.0524	-5.7669	8.03	12.99
1013	Shell-Thick	SLU-STATICA	0.8099	-6.3956	8.03	13.36
1013	Shell-Thick	SLU-STATICA	0.3552	-7.6871	8.25	13.36
1013	Shell-Thick	SLU-SISMICA	3.6024	-7.3668	14.75	24.32
1013	Shell-Thick	SLU-SISMICA	4.4428	-5.4202	14.40	24.32
1013	Shell-Thick	SLU-SISMICA	2.2271	-6.5363	14.40	24.92
1013	Shell-Thick	SLU-SISMICA	1.4436	-8.8732	14.75	24.92
1013	Shell-Thick	SLE-RARA	1.0765	-5.0986	5.92	9.28
1013	Shell-Thick	SLE-RARA	1.4361	-4.3870	5.77	9.28
1013	Shell-Thick	SLE-RARA	0.5431	-4.8392	5.77	9.55
1013	Shell-Thick	SLE-RARA	0.2149	-5.7657	5.92	9.55
1013	Shell-Thick	SLE-FREQ.	0.8817	-4.9237	5.24	8.12
1013	Shell-Thick	SLE-FREQ.	1.2042	-4.3074	5.10	8.12
1013	Shell-Thick	SLE-FREQ.	0.4132	-4.7083	5.10	8.36
1013	Shell-Thick	SLE-FREQ.	0.1201	-5.5261	5.24	8.36
1013	Shell-Thick	SLE-QP	0.2974	-4.3990	3.20	4.64
1013	Shell-Thick	SLE-QP	0.5086	-4.0683	3.11	4.64
1013	Shell-Thick	SLE-QP	0.0237	-4.3157	3.11	4.81
1013	Shell-Thick	SLE-QP	-0.1641	-4.8072	3.20	4.81
1014	Shell-Thick	SLU-STATICA	1.9932	-5.9543	8.06	15.84
1014	Shell-Thick	SLU-STATICA	2.5353	-4.7245	7.84	15.84
1014	Shell-Thick	SLU-STATICA	1.3184	-4.8716	7.84	16.23
1014	Shell-Thick	SLU-STATICA	0.8245	-6.4313	8.06	16.23
1014	Shell-Thick	SLU-SISMICA	4.3356	-5.8261	14.44	27.98
1014	Shell-Thick	SLU-SISMICA	5.2242	-3.5855	14.04	27.98
1014	Shell-Thick	SLU-SISMICA	3.0546	-3.9595	14.04	28.66
1014	Shell-Thick	SLU-SISMICA	2.2311	-6.6461	14.44	28.66
1014	Shell-Thick	SLE-RARA	1.3936	-4.5182	5.79	11.39
1014	Shell-Thick	SLE-RARA	1.7872	-3.6367	5.63	11.39
1014	Shell-Thick	SLE-RARA	0.9125	-3.7368	5.63	11.68
1014	Shell-Thick	SLE-RARA	0.5546	-4.8625	5.79	11.68
1014	Shell-Thick	SLE-FREQ.	1.1667	-4.4173	5.13	10.12
1014	Shell-Thick	SLE-FREQ.	1.5221	-3.6406	4.98	10.12
1014	Shell-Thick	SLE-FREQ.	0.7474	-3.7197	4.98	10.37
1014	Shell-Thick	SLE-FREQ.	0.4254	-4.7249	5.13	10.37
1014	Shell-Thick	SLE-QP	0.4861	-4.1148	3.13	6.28
1014	Shell-Thick	SLE-QP	0.7270	-3.6525	3.03	6.28
1014	Shell-Thick	SLE-QP	0.2518	-3.6681	3.03	6.44
1014	Shell-Thick	SLE-QP	0.0375	-4.3123	3.13	6.44
1015	Shell-Thick	SLU-STATICA	2.4796	-4.4731	7.97	18.90
1015	Shell-Thick	SLU-STATICA	3.0350	-2.9992	7.71	18.90
1015	Shell-Thick	SLU-STATICA	1.8312	-3.4848	7.71	19.34
1015	Shell-Thick	SLU-STATICA	1.3312	-5.3379	7.97	19.34
1015	Shell-Thick	SLU-SISMICA	5.1236	-3.3093	14.23	31.86
1015	Shell-Thick	SLU-SISMICA	6.0083	-0.7665	13.78	31.86
1015	Shell-Thick	SLU-SISMICA	3.8679	-1.6421	13.78	32.64
1015	Shell-Thick	SLU-SISMICA	3.0601	-4.7110	14.23	32.64
1015	Shell-Thick	SLE-RARA	1.7472	-3.4474	5.72	13.68
1015	Shell-Thick	SLE-RARA	2.1516	-2.3838	5.54	13.68
1015	Shell-Thick	SLE-RARA	1.2861	-2.7323	5.54	13.99
1015	Shell-Thick	SLE-RARA	0.9225	-4.0760	5.72	13.99
1015	Shell-Thick	SLE-FREQ.	1.4868	-3.4580	5.07	12.28
1015	Shell-Thick	SLE-FREQ.	1.8542	-2.5085	4.91	12.28
1015	Shell-Thick	SLE-FREQ.	1.0870	-2.8164	4.91	12.55
1015	Shell-Thick	SLE-FREQ.	0.7577	-4.0270	5.07	12.55
1015	Shell-Thick	SLE-QP	0.7057	-3.4899	3.10	8.07
1015	Shell-Thick	SLE-QP	0.9620	-2.8827	3.00	8.07
1015	Shell-Thick	SLE-QP	0.4897	-3.0686	3.00	8.24
1015	Shell-Thick	SLE-QP	0.2632	-3.8801	3.10	8.24
1016	Shell-Thick	SLU-STATICA	2.9683	-3.1462	7.76	22.21
1016	Shell-Thick	SLU-STATICA	3.5552	-1.4209	7.48	22.21
1016	Shell-Thick	SLU-STATICA	2.3784	-1.3546	7.48	22.71
1016	Shell-Thick	SLU-STATICA	1.8581	-3.5365	7.76	22.71

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1016	Shell-Thick	SLU-SISMICA	5.8923	-1.0833	13.86	35.99
1016	Shell-Thick	SLU-SISMICA	6.8016	1.7667	13.33	35.99
1016	Shell-Thick	SLU-SISMICA	4.7151	1.7408	13.33	36.89
1016	Shell-Thick	SLU-SISMICA	3.8992	-1.7486	13.86	36.89
1016	Shell-Thick	SLE-RARA	2.1035	-2.4868	5.58	16.14
1016	Shell-Thick	SLE-RARA	2.5322	-1.2355	5.37	16.14
1016	Shell-Thick	SLE-RARA	1.6858	-1.1806	5.37	16.50
1016	Shell-Thick	SLE-RARA	1.3063	-2.7688	5.58	16.50
1016	Shell-Thick	SLE-FREQ.	1.8113	-2.5950	4.94	14.61
1016	Shell-Thick	SLE-FREQ.	2.2030	-1.4670	4.76	14.61
1016	Shell-Thick	SLE-FREQ.	1.4522	-1.4059	4.76	14.93
1016	Shell-Thick	SLE-FREQ.	1.1063	-2.8475	4.94	14.93
1016	Shell-Thick	SLE-QP	0.9348	-2.9197	3.03	10.02
1016	Shell-Thick	SLE-QP	1.2153	-2.1615	2.92	10.02
1016	Shell-Thick	SLE-QP	0.7514	-2.0817	2.92	10.21
1016	Shell-Thick	SLE-QP	0.5065	-3.0835	3.03	10.21
1017	Shell-Thick	SLU-STATICA	3.4938	-1.0869	7.64	25.76
1017	Shell-Thick	SLU-STATICA	4.0579	0.9370	7.31	25.76
1017	Shell-Thick	SLU-STATICA	2.9013	0.6577	7.31	26.32
1017	Shell-Thick	SLU-STATICA	2.4077	-1.8489	7.64	26.32
1017	Shell-Thick	SLU-SISMICA	6.6952	2.1907	13.57	40.35
1017	Shell-Thick	SLU-SISMICA	7.5428	5.4037	12.97	40.35
1017	Shell-Thick	SLU-SISMICA	5.5017	4.8771	12.97	41.38
1017	Shell-Thick	SLU-SISMICA	4.7540	0.9796	13.57	41.38
1017	Shell-Thick	SLE-RARA	2.4879	-0.9869	5.49	18.79
1017	Shell-Thick	SLE-RARA	2.9012	0.4875	5.26	18.79
1017	Shell-Thick	SLE-RARA	2.0689	0.2882	5.26	19.19
1017	Shell-Thick	SLE-RARA	1.7075	-1.5418	5.49	19.19
1017	Shell-Thick	SLE-FREQ.	2.1635	-1.2319	4.87	17.13
1017	Shell-Thick	SLE-FREQ.	2.5433	0.1084	4.66	17.13
1017	Shell-Thick	SLE-FREQ.	1.8041	-0.0657	4.66	17.48
1017	Shell-Thick	SLE-FREQ.	1.4726	-1.7363	4.87	17.48
1017	Shell-Thick	SLE-QP	1.1902	-1.9670	3.00	12.14
1017	Shell-Thick	SLE-QP	1.4695	-1.0289	2.88	12.14
1017	Shell-Thick	SLE-QP	1.0100	-1.1272	2.88	12.35
1017	Shell-Thick	SLE-QP	0.7678	-2.3196	3.00	12.35
1018	Shell-Thick	SLU-STATICA	3.9842	0.7978	7.38	29.55
1018	Shell-Thick	SLU-STATICA	4.5634	3.0954	6.99	29.55
1018	Shell-Thick	SLU-STATICA	3.4414	3.5749	6.99	30.21
1018	Shell-Thick	SLU-STATICA	2.9504	0.6739	7.38	30.21
1018	Shell-Thick	SLU-SISMICA	7.4193	5.1274	13.07	44.95
1018	Shell-Thick	SLU-SISMICA	8.2639	8.6587	12.36	44.95
1018	Shell-Thick	SLU-SISMICA	6.2930	9.2957	12.36	46.17
1018	Shell-Thick	SLU-SISMICA	5.5746	4.9001	13.07	46.17
1018	Shell-Thick	SLE-RARA	2.8478	0.3889	5.31	21.62
1018	Shell-Thick	SLE-RARA	3.2735	2.0684	5.03	21.62
1018	Shell-Thick	SLE-RARA	2.4656	2.4238	5.03	22.10
1018	Shell-Thick	SLE-RARA	2.1049	0.3001	5.31	22.10
1018	Shell-Thick	SLE-FREQ.	2.4953	0.0235	4.71	19.82
1018	Shell-Thick	SLE-FREQ.	2.8886	1.5601	4.46	19.82
1018	Shell-Thick	SLE-FREQ.	2.1705	1.8939	4.46	20.24
1018	Shell-Thick	SLE-FREQ.	1.8373	-0.0546	4.71	20.24
1018	Shell-Thick	SLE-QP	1.4378	-1.0727	2.91	14.42
1018	Shell-Thick	SLE-QP	1.7342	0.0355	2.77	14.42
1018	Shell-Thick	SLE-QP	1.2851	0.3042	2.77	14.67
1018	Shell-Thick	SLE-QP	1.0347	-1.1188	2.91	14.67
1019	Shell-Thick	SLU-STATICA	4.5093	3.6291	7.19	33.34
1019	Shell-Thick	SLU-STATICA	4.9521	5.8615	6.81	33.34
1019	Shell-Thick	SLU-STATICA	3.8808	5.8795	6.81	34.09
1019	Shell-Thick	SLU-STATICA	3.4804	2.9660	7.19	34.09
1019	Shell-Thick	SLU-SISMICA	8.1716	9.4058	12.66	49.51
1019	Shell-Thick	SLU-SISMICA	8.7912	12.7456	11.97	49.51
1019	Shell-Thick	SLU-SISMICA	6.9132	12.7177	11.97	50.88
1019	Shell-Thick	SLU-SISMICA	6.3546	8.3955	12.66	50.88
1019	Shell-Thick	SLE-RARA	3.2344	2.4621	5.17	24.46
1019	Shell-Thick	SLE-RARA	3.5611	4.0985	4.90	24.46
1019	Shell-Thick	SLE-RARA	2.7895	4.1145	4.90	24.99
1019	Shell-Thick	SLE-RARA	2.4940	1.9769	5.17	24.99
1019	Shell-Thick	SLE-FREQ.	2.8537	1.9267	4.60	22.52

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1019	Shell-Thick	SLE-FREQ.	3.1578	3.4317	4.36	22.52
1019	Shell-Thick	SLE-FREQ.	2.4716	3.4510	4.36	23.00
1019	Shell-Thick	SLE-FREQ.	2.1963	1.4820	4.60	23.00
1019	Shell-Thick	SLE-QP	1.7115	0.3203	2.87	16.73
1019	Shell-Thick	SLE-QP	1.9479	1.4313	2.72	16.73
1019	Shell-Thick	SLE-QP	1.5176	1.4608	2.72	17.01
1019	Shell-Thick	SLE-QP	1.3032	-0.0029	2.87	17.01
1020	Shell-Thick	SLU-STATICA	-0.0531	-9.1714	11.06	-6.75
1020	Shell-Thick	SLU-STATICA	0.2093	-9.4351	10.38	-6.75
1020	Shell-Thick	SLU-STATICA	-1.3589	-9.3157	10.38	-5.57
1020	Shell-Thick	SLU-STATICA	-1.7013	-8.5075	11.06	-5.57
1020	Shell-Thick	SLU-SISMICA	-0.6771	-15.2561	16.05	-8.51
1020	Shell-Thick	SLU-SISMICA	-0.2543	-15.5145	15.52	-8.51
1020	Shell-Thick	SLU-SISMICA	-2.5574	-15.0078	15.52	-7.59
1020	Shell-Thick	SLU-SISMICA	-3.1097	-13.8654	16.05	-7.59
1020	Shell-Thick	SLE-RARA	-0.0092	-6.6464	8.13	-5.03
1020	Shell-Thick	SLE-RARA	0.1817	-6.8464	7.61	-5.03
1020	Shell-Thick	SLE-RARA	-0.9700	-6.7753	7.61	-4.12
1020	Shell-Thick	SLE-RARA	-1.2190	-6.1795	8.13	-4.12
1020	Shell-Thick	SLE-FREQ.	0.0423	-5.9824	7.52	-4.76
1020	Shell-Thick	SLE-FREQ.	0.2153	-6.1780	7.00	-4.76
1020	Shell-Thick	SLE-FREQ.	-0.8476	-6.1404	7.00	-3.85
1020	Shell-Thick	SLE-FREQ.	-1.0732	-5.5868	7.52	-3.85
1020	Shell-Thick	SLE-QP	0.1969	-3.9907	5.69	-3.95
1020	Shell-Thick	SLE-QP	0.3162	-4.1727	5.17	-3.95
1020	Shell-Thick	SLE-QP	-0.4804	-4.2359	5.17	-3.05
1020	Shell-Thick	SLE-QP	-0.6358	-3.8088	5.69	-3.05
1021	Shell-Thick	SLU-STATICA	0.2874	-8.4253	10.52	-6.36
1021	Shell-Thick	SLU-STATICA	-0.3888	-8.9492	10.16	-6.36
1021	Shell-Thick	SLU-STATICA	-1.9396	-9.9929	10.16	-5.76
1021	Shell-Thick	SLU-STATICA	-1.2645	-9.4625	10.52	-5.76
1021	Shell-Thick	SLU-SISMICA	-0.1255	-13.9479	15.72	-7.22
1021	Shell-Thick	SLU-SISMICA	-1.0974	-14.5533	15.57	-7.22
1021	Shell-Thick	SLU-SISMICA	-3.4432	-16.1472	15.57	-6.97
1021	Shell-Thick	SLU-SISMICA	-2.4749	-15.5177	15.72	-6.97
1021	Shell-Thick	SLE-RARA	0.2384	-6.1090	7.71	-4.78
1021	Shell-Thick	SLE-RARA	-0.2593	-6.5019	7.43	-4.78
1021	Shell-Thick	SLE-RARA	-1.3948	-7.2653	7.43	-4.30
1021	Shell-Thick	SLE-RARA	-0.8978	-6.8684	7.71	-4.30
1021	Shell-Thick	SLE-FREQ.	0.2664	-5.5046	7.09	-4.59
1021	Shell-Thick	SLE-FREQ.	-0.1947	-5.8811	6.80	-4.59
1021	Shell-Thick	SLE-FREQ.	-1.2368	-6.5804	6.80	-4.09
1021	Shell-Thick	SLE-FREQ.	-0.7762	-6.2014	7.09	-4.09
1021	Shell-Thick	SLE-QP	0.3506	-3.6911	5.24	-4.03
1021	Shell-Thick	SLE-QP	-7.727E-04	-4.0185	4.92	-4.03
1021	Shell-Thick	SLE-QP	-0.7629	-4.5257	4.92	-3.48
1021	Shell-Thick	SLE-QP	-0.4114	-4.2005	5.24	-3.48
1022	Shell-Thick	SLU-STATICA	-0.3258	-9.3334	10.00	-5.88
1022	Shell-Thick	SLU-STATICA	-0.0787	-9.6012	9.62	-5.88
1022	Shell-Thick	SLU-STATICA	-1.5187	-9.4412	9.62	-5.23
1022	Shell-Thick	SLU-STATICA	-1.8292	-8.7419	10.00	-5.23
1022	Shell-Thick	SLU-SISMICA	-1.0010	-15.3759	15.26	-5.82
1022	Shell-Thick	SLU-SISMICA	-0.5594	-15.5146	15.07	-5.82
1022	Shell-Thick	SLU-SISMICA	-2.7832	-15.1109	15.07	-5.48
1022	Shell-Thick	SLU-SISMICA	-3.3281	-14.2669	15.26	-5.48
1022	Shell-Thick	SLE-RARA	-0.2132	-6.7712	7.31	-4.46
1022	Shell-Thick	SLE-RARA	-0.0357	-6.9805	7.02	-4.46
1022	Shell-Thick	SLE-RARA	-1.0878	-6.8715	7.02	-3.95
1022	Shell-Thick	SLE-RARA	-1.3114	-6.3488	7.31	-3.95
1022	Shell-Thick	SLE-FREQ.	-0.1525	-6.1077	6.70	-4.36
1022	Shell-Thick	SLE-FREQ.	0.0047	-6.3225	6.40	-4.36
1022	Shell-Thick	SLE-FREQ.	-0.9570	-6.2361	6.40	-3.84
1022	Shell-Thick	SLE-FREQ.	-1.1558	-5.7382	6.70	-3.84
1022	Shell-Thick	SLE-QP	0.0297	-4.1171	4.86	-4.04
1022	Shell-Thick	SLE-QP	0.1259	-4.3482	4.54	-4.04
1022	Shell-Thick	SLE-QP	-0.5648	-4.3300	4.54	-3.48
1022	Shell-Thick	SLE-QP	-0.6893	-3.9064	4.86	-3.48
1023	Shell-Thick	SLU-STATICA	-0.0164	-8.7118	9.75	-5.36
1023	Shell-Thick	SLU-STATICA	-0.4778	-9.1569	9.43	-5.36

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1023	Shell-Thick	SLU-STATICA	-1.9172	-10.1396	9.43	-4.81
1023	Shell-Thick	SLU-STATICA	-1.4550	-9.7007	9.75	-4.81
1023	Shell-Thick	SLU-SISMICA	-0.4650	-14.2081	15.25	-4.41
1023	Shell-Thick	SLU-SISMICA	-1.0592	-14.5732	15.10	-4.41
1023	Shell-Thick	SLU-SISMICA	-3.3353	-16.1266	15.10	-4.15
1023	Shell-Thick	SLU-SISMICA	-2.7434	-15.7464	15.25	-4.15
1023	Shell-Thick	SLE-RARA	0.0099	-6.3274	7.11	-4.11
1023	Shell-Thick	SLE-RARA	-0.3331	-6.6687	6.86	-4.11
1023	Shell-Thick	SLE-RARA	-1.3821	-7.3848	6.86	-3.67
1023	Shell-Thick	SLE-RARA	-1.0383	-7.0494	7.11	-3.67
1023	Shell-Thick	SLE-FREQ.	0.0465	-5.7197	6.49	-4.08
1023	Shell-Thick	SLE-FREQ.	-0.2771	-6.0592	6.23	-4.08
1023	Shell-Thick	SLE-FREQ.	-1.2315	-6.7107	6.23	-3.64
1023	Shell-Thick	SLE-FREQ.	-0.9068	-6.3787	6.49	-3.64
1023	Shell-Thick	SLE-QP	0.1564	-3.8966	4.60	-4.01
1023	Shell-Thick	SLE-QP	-0.1092	-4.2305	4.32	-4.01
1023	Shell-Thick	SLE-QP	-0.7796	-4.6884	4.32	-3.53
1023	Shell-Thick	SLE-QP	-0.5124	-4.3667	4.60	-3.53
1024	Shell-Thick	SLU-STATICA	-0.4363	-9.5689	9.28	-4.63
1024	Shell-Thick	SLU-STATICA	-0.1798	-9.7898	9.00	-4.63
1024	Shell-Thick	SLU-STATICA	-1.5279	-9.6317	9.00	-4.13
1024	Shell-Thick	SLU-STATICA	-1.8314	-9.0905	9.28	-4.13
1024	Shell-Thick	SLU-SISMICA	-1.0022	-15.4168	14.84	-2.77
1024	Shell-Thick	SLU-SISMICA	-0.5128	-15.3812	14.70	-2.77
1024	Shell-Thick	SLU-SISMICA	-2.6899	-15.1059	14.70	-2.54
1024	Shell-Thick	SLU-SISMICA	-3.2574	-14.6086	14.84	-2.54
1024	Shell-Thick	SLE-RARA	-0.3024	-6.9594	6.76	-3.60
1024	Shell-Thick	SLE-RARA	-0.1197	-7.1395	6.53	-3.60
1024	Shell-Thick	SLE-RARA	-1.0999	-7.0256	6.53	-3.21
1024	Shell-Thick	SLE-RARA	-1.3167	-6.6133	6.76	-3.21
1024	Shell-Thick	SLE-FREQ.	-0.2484	-6.3072	6.14	-3.66
1024	Shell-Thick	SLE-FREQ.	-0.0893	-6.5040	5.90	-3.66
1024	Shell-Thick	SLE-FREQ.	-0.9773	-6.4025	5.90	-3.26
1024	Shell-Thick	SLE-FREQ.	-1.1670	-5.9968	6.14	-3.26
1024	Shell-Thick	SLE-QP	-0.0865	-4.3507	4.27	-3.86
1024	Shell-Thick	SLE-QP	0.0016	-4.5974	4.01	-3.86
1024	Shell-Thick	SLE-QP	-0.6094	-4.5332	4.01	-3.42
1024	Shell-Thick	SLE-QP	-0.7181	-4.1472	4.27	-3.42
1025	Shell-Thick	SLU-STATICA	-0.1391	-9.0266	9.12	-3.85
1025	Shell-Thick	SLU-STATICA	-0.3785	-9.3550	8.87	-3.85
1025	Shell-Thick	SLU-STATICA	-1.7305	-10.2931	8.87	-3.42
1025	Shell-Thick	SLU-STATICA	-1.4876	-9.9895	9.12	-3.42
1025	Shell-Thick	SLU-SISMICA	-0.4583	-14.3205	14.88	-1.11
1025	Shell-Thick	SLU-SISMICA	-0.6824	-14.4117	14.77	-1.11
1025	Shell-Thick	SLU-SISMICA	-2.9070	-15.9397	14.77	-0.91
1025	Shell-Thick	SLU-SISMICA	-2.6820	-15.8544	14.88	-0.91
1025	Shell-Thick	SLE-RARA	-0.0895	-6.5760	6.63	-3.05
1025	Shell-Thick	SLE-RARA	-0.2716	-6.8367	6.43	-3.05
1025	Shell-Thick	SLE-RARA	-1.2526	-7.5181	6.43	-2.71
1025	Shell-Thick	SLE-RARA	-1.0677	-7.2772	6.63	-2.71
1025	Shell-Thick	SLE-FREQ.	-0.0610	-5.9788	5.99	-3.20
1025	Shell-Thick	SLE-FREQ.	-0.2399	-6.2525	5.79	-3.20
1025	Shell-Thick	SLE-FREQ.	-1.1251	-6.8687	5.79	-2.85
1025	Shell-Thick	SLE-FREQ.	-0.9432	-6.6158	5.99	-2.85
1025	Shell-Thick	SLE-QP	0.0243	-4.1872	4.08	-3.65
1025	Shell-Thick	SLE-QP	-0.1449	-4.5001	3.86	-3.65
1025	Shell-Thick	SLE-QP	-0.7423	-4.9205	3.86	-3.27
1025	Shell-Thick	SLE-QP	-0.5697	-4.6316	4.08	-3.27
1026	Shell-Thick	SLU-STATICA	-0.3571	-9.7836	8.75	-2.88
1026	Shell-Thick	SLU-STATICA	-0.0771	-9.9122	8.53	-2.88
1026	Shell-Thick	SLU-STATICA	-1.3577	-9.7876	8.53	-2.50
1026	Shell-Thick	SLU-STATICA	-1.6686	-9.4484	8.75	-2.50
1026	Shell-Thick	SLU-SISMICA	-0.6617	-15.2613	14.54	0.77
1026	Shell-Thick	SLU-SISMICA	-0.1110	-15.0046	14.45	0.77
1026	Shell-Thick	SLU-SISMICA	-2.2588	-14.8754	14.45	0.93
1026	Shell-Thick	SLU-SISMICA	-2.8631	-14.7668	14.54	0.93
1026	Shell-Thick	SLE-RARA	-0.2554	-7.1405	6.34	-2.36
1026	Shell-Thick	SLE-RARA	-0.0568	-7.2571	6.17	-2.36
1026	Shell-Thick	SLE-RARA	-0.9839	-7.1629	6.17	-2.06

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1026	Shell-Thick	SLE-RARA	-1.2048	-6.8944	6.34	-2.06
1026	Shell-Thick	SLE-FREQ.	-0.2241	-6.5143	5.71	-2.60
1026	Shell-Thick	SLE-FREQ.	-0.0526	-6.6597	5.53	-2.60
1026	Shell-Thick	SLE-FREQ.	-0.8856	-6.5682	5.53	-2.30
1026	Shell-Thick	SLE-FREQ.	-1.0770	-6.2874	5.71	-2.30
1026	Shell-Thick	SLE-QP	-0.1301	-4.6356	3.81	-3.33
1026	Shell-Thick	SLE-QP	-0.0400	-4.8674	3.61	-3.33
1026	Shell-Thick	SLE-QP	-0.5906	-4.7840	3.61	-2.99
1026	Shell-Thick	SLE-QP	-0.6934	-4.4662	3.81	-2.99
1027	Shell-Thick	SLU-STATICA	-0.0576	-9.2900	8.65	-1.80
1027	Shell-Thick	SLU-STATICA	-0.0502	-9.4609	8.44	-1.80
1027	Shell-Thick	SLU-STATICA	-1.3364	-10.3294	8.44	-1.46
1027	Shell-Thick	SLU-STATICA	-1.3358	-10.2027	8.65	-1.46
1027	Shell-Thick	SLU-SISMICA	-0.0939	-14.1962	14.61	2.75
1027	Shell-Thick	SLU-SISMICA	0.0784	-13.9549	14.51	2.75
1027	Shell-Thick	SLU-SISMICA	-2.1092	-15.4089	14.51	2.91
1027	Shell-Thick	SLU-SISMICA	-2.2757	-15.6826	14.61	2.91
1027	Shell-Thick	SLE-RARA	-0.0418	-6.7949	6.26	-1.59
1027	Shell-Thick	SLE-RARA	-0.0444	-6.9450	6.10	-1.59
1027	Shell-Thick	SLE-RARA	-0.9741	-7.5739	6.10	-1.33
1027	Shell-Thick	SLE-RARA	-0.9654	-7.4580	6.26	-1.33
1027	Shell-Thick	SLE-FREQ.	-0.0378	-6.2242	5.61	-1.93
1027	Shell-Thick	SLE-FREQ.	-0.0539	-6.4044	5.45	-1.93
1027	Shell-Thick	SLE-FREQ.	-0.8866	-6.9697	5.45	-1.65
1027	Shell-Thick	SLE-FREQ.	-0.8643	-6.8237	5.61	-1.65
1027	Shell-Thick	SLE-QP	-0.0258	-4.5119	3.68	-2.93
1027	Shell-Thick	SLE-QP	-0.0823	-4.7828	3.50	-2.93
1027	Shell-Thick	SLE-QP	-0.6240	-5.1571	3.50	-2.63
1027	Shell-Thick	SLE-QP	-0.5612	-4.9210	3.68	-2.63
1028	Shell-Thick	SLU-STATICA	-0.0455	-9.7067	8.38	0.14
1028	Shell-Thick	SLU-STATICA	0.5091	-9.6509	8.07	0.14
1028	Shell-Thick	SLU-STATICA	-0.7136	-9.8078	8.07	0.41
1028	Shell-Thick	SLU-STATICA	-1.2936	-9.8461	8.38	0.41
1028	Shell-Thick	SLU-SISMICA	0.0667	-14.5670	14.38	6.05
1028	Shell-Thick	SLU-SISMICA	1.1878	-13.5085	14.25	6.05
1028	Shell-Thick	SLU-SISMICA	-0.9292	-13.8732	14.25	6.17
1028	Shell-Thick	SLU-SISMICA	-2.1154	-14.8867	14.38	6.17
1028	Shell-Thick	SLE-RARA	-0.0400	-7.1130	6.05	-0.19
1028	Shell-Thick	SLE-RARA	0.3519	-7.1206	5.81	-0.19
1028	Shell-Thick	SLE-RARA	-0.5300	-7.2291	5.81	2.600E-02
1028	Shell-Thick	SLE-RARA	-0.9393	-7.2096	6.05	2.600E-02
1028	Shell-Thick	SLE-FREQ.	-0.0483	-6.5382	5.41	-0.67
1028	Shell-Thick	SLE-FREQ.	0.2875	-6.6280	5.16	-0.67
1028	Shell-Thick	SLE-FREQ.	-0.4992	-6.7168	5.16	-0.45
1028	Shell-Thick	SLE-FREQ.	-0.8486	-6.6176	5.41	-0.45
1028	Shell-Thick	SLE-QP	-0.0729	-4.8137	3.48	-2.11
1028	Shell-Thick	SLE-QP	0.0941	-5.1503	3.21	-2.11
1028	Shell-Thick	SLE-QP	-0.4069	-5.1797	3.21	-1.87
1028	Shell-Thick	SLE-QP	-0.5765	-4.8416	3.48	-1.87
1029	Shell-Thick	SLU-STATICA	0.4994	-9.2566	8.18	2.39
1029	Shell-Thick	SLU-STATICA	0.7766	-9.1003	8.05	2.39
1029	Shell-Thick	SLU-STATICA	-0.4496	-9.9477	8.05	2.61
1029	Shell-Thick	SLU-STATICA	-0.7088	-10.2264	8.18	2.61
1029	Shell-Thick	SLU-SISMICA	1.1534	-13.1147	14.38	9.59
1029	Shell-Thick	SLU-SISMICA	1.7283	-12.3467	14.29	9.59
1029	Shell-Thick	SLU-SISMICA	-0.4333	-13.8145	14.29	9.74
1029	Shell-Thick	SLU-SISMICA	-0.9870	-14.7277	14.38	9.74
1029	Shell-Thick	SLE-RARA	0.3459	-6.8218	5.89	1.45
1029	Shell-Thick	SLE-RARA	0.5410	-6.7339	5.79	1.45
1029	Shell-Thick	SLE-RARA	-0.3415	-7.3451	5.79	1.62
1029	Shell-Thick	SLE-RARA	-0.5233	-7.5247	5.89	1.62
1029	Shell-Thick	SLE-FREQ.	0.2836	-6.3365	5.23	0.82
1029	Shell-Thick	SLE-FREQ.	0.4495	-6.3011	5.13	0.82
1029	Shell-Thick	SLE-FREQ.	-0.3344	-6.8462	5.13	1.00
1029	Shell-Thick	SLE-FREQ.	-0.4875	-6.9692	5.23	1.00
1029	Shell-Thick	SLE-QP	0.0968	-4.8807	3.27	-1.06
1029	Shell-Thick	SLE-QP	0.1748	-5.0026	3.16	-1.06
1029	Shell-Thick	SLE-QP	-0.3132	-5.3496	3.16	-0.88
1029	Shell-Thick	SLE-QP	-0.3802	-5.3029	3.27	-0.88



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1030	Shell-Thick	SLU-STATICA	0.7528	-9.4975	7.98	4.19
1030	Shell-Thick	SLU-STATICA	1.1982	-9.1463	7.88	4.19
1030	Shell-Thick	SLU-STATICA	0.0049	-9.1991	7.88	4.37
1030	Shell-Thick	SLU-STATICA	-0.4343	-9.5928	7.98	4.37
1030	Shell-Thick	SLU-SISMICA	1.6739	-13.1150	14.18	12.28
1030	Shell-Thick	SLU-SISMICA	2.4899	-12.0492	14.11	12.28
1030	Shell-Thick	SLU-SISMICA	0.3666	-12.3037	14.11	12.41
1030	Shell-Thick	SLU-SISMICA	-0.4470	-13.3860	14.18	12.41
1030	Shell-Thick	SLE-RARA	0.5245	-7.0164	5.74	2.77
1030	Shell-Thick	SLE-RARA	0.8435	-6.7859	5.66	2.77
1030	Shell-Thick	SLE-RARA	-0.0143	-6.8158	5.66	2.91
1030	Shell-Thick	SLE-RARA	-0.3285	-7.0798	5.74	2.91
1030	Shell-Thick	SLE-FREQ.	0.4359	-6.5461	5.09	2.04
1030	Shell-Thick	SLE-FREQ.	0.7166	-6.3800	5.01	2.04
1030	Shell-Thick	SLE-FREQ.	-0.0437	-6.3926	5.01	2.18
1030	Shell-Thick	SLE-FREQ.	-0.3193	-6.5935	5.09	2.18
1030	Shell-Thick	SLE-QP	0.1700	-5.1353	3.14	-0.16
1030	Shell-Thick	SLE-QP	0.3357	-5.1624	3.06	-0.16
1030	Shell-Thick	SLE-QP	-0.1319	-5.1230	3.06	-1.843E-02
1030	Shell-Thick	SLE-QP	-0.2919	-5.1346	3.14	-1.843E-02
1031	Shell-Thick	SLU-STATICA	1.1747	-8.7911	7.99	6.18
1031	Shell-Thick	SLU-STATICA	1.6317	-8.3328	7.89	6.18
1031	Shell-Thick	SLU-STATICA	0.4274	-9.0861	7.89	6.35
1031	Shell-Thick	SLU-STATICA	-0.0043	-9.7174	7.99	6.35
1031	Shell-Thick	SLU-SISMICA	2.4363	-11.6503	14.26	15.14
1031	Shell-Thick	SLU-SISMICA	3.2670	-10.4359	14.16	15.14
1031	Shell-Thick	SLU-SISMICA	1.1182	-11.7707	14.16	15.31
1031	Shell-Thick	SLU-SISMICA	0.3197	-13.2050	14.26	15.31
1031	Shell-Thick	SLE-RARA	0.8273	-6.5188	5.74	4.23
1031	Shell-Thick	SLE-RARA	1.1549	-6.2093	5.67	4.23
1031	Shell-Thick	SLE-RARA	0.2894	-6.7511	5.67	4.36
1031	Shell-Thick	SLE-RARA	-0.0194	-7.1895	5.74	4.36
1031	Shell-Thick	SLE-FREQ.	0.7032	-6.1231	5.09	3.39
1031	Shell-Thick	SLE-FREQ.	0.9921	-5.8834	5.01	3.39
1031	Shell-Thick	SLE-FREQ.	0.2255	-6.3640	5.01	3.52
1031	Shell-Thick	SLE-FREQ.	-0.0456	-6.7256	5.09	3.52
1031	Shell-Thick	SLE-QP	0.3309	-4.9360	3.12	0.87
1031	Shell-Thick	SLE-QP	0.5035	-4.9056	3.05	0.87
1031	Shell-Thick	SLE-QP	0.0338	-5.2028	3.05	0.99
1031	Shell-Thick	SLE-QP	-0.1240	-5.3340	3.12	0.99
1032	Shell-Thick	SLU-STATICA	1.5946	-8.6354	7.87	8.39
1032	Shell-Thick	SLU-STATICA	2.1335	-7.9744	7.79	8.39
1032	Shell-Thick	SLU-STATICA	0.9479	-8.1401	7.79	8.53
1032	Shell-Thick	SLU-STATICA	0.4310	-8.9510	7.87	8.53
1032	Shell-Thick	SLU-SISMICA	3.1922	-11.0413	14.12	18.24
1032	Shell-Thick	SLU-SISMICA	4.1331	-9.5372	14.02	18.24
1032	Shell-Thick	SLU-SISMICA	2.0092	-9.9755	14.02	18.40
1032	Shell-Thick	SLU-SISMICA	1.0944	-11.6584	14.12	18.40
1032	Shell-Thick	SLE-RARA	1.1287	-6.4235	5.65	5.87
1032	Shell-Thick	SLE-RARA	1.5170	-5.9647	5.59	5.87
1032	Shell-Thick	SLE-RARA	0.6654	-6.0766	5.59	5.97
1032	Shell-Thick	SLE-RARA	0.2935	-6.6476	5.65	5.97
1032	Shell-Thick	SLE-FREQ.	0.9696	-6.0674	5.00	4.91
1032	Shell-Thick	SLE-FREQ.	1.3152	-5.6892	4.94	4.91
1032	Shell-Thick	SLE-FREQ.	0.5618	-5.7759	4.94	5.01
1032	Shell-Thick	SLE-FREQ.	0.2318	-6.2612	5.00	5.01
1032	Shell-Thick	SLE-QP	0.4922	-4.9991	3.04	2.05
1032	Shell-Thick	SLE-QP	0.7100	-4.8627	2.99	2.05
1032	Shell-Thick	SLE-QP	0.2509	-4.8739	2.99	2.14
1032	Shell-Thick	SLE-QP	0.0465	-5.1020	3.04	2.14
1033	Shell-Thick	SLU-STATICA	2.0996	-7.7075	7.89	10.81
1033	Shell-Thick	SLU-STATICA	2.6922	-6.8809	7.81	10.81
1033	Shell-Thick	SLU-STATICA	1.4963	-7.5558	7.81	10.95
1033	Shell-Thick	SLU-STATICA	0.9388	-8.6221	7.89	10.95
1033	Shell-Thick	SLU-SISMICA	4.0638	-9.2598	14.17	21.53
1033	Shell-Thick	SLU-SISMICA	5.0727	-7.5377	14.05	21.53
1033	Shell-Thick	SLU-SISMICA	2.9324	-8.7525	14.05	21.74
1033	Shell-Thick	SLU-SISMICA	1.9702	-10.7943	14.17	21.74
1033	Shell-Thick	SLE-RARA	1.4931	-5.7629	5.67	7.66



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1033	Shell-Thick	SLE-RARA	1.9214	-5.1812	5.61	7.66
1033	Shell-Thick	SLE-RARA	1.0623	-5.6657	5.61	7.76
1033	Shell-Thick	SLE-RARA	0.6600	-6.4251	5.67	7.76
1033	Shell-Thick	SLE-FREQ.	1.2949	-5.4932	5.01	6.59
1033	Shell-Thick	SLE-FREQ.	1.6784	-4.9994	4.96	6.59
1033	Shell-Thick	SLE-FREQ.	0.9181	-5.4277	4.96	6.68
1033	Shell-Thick	SLE-FREQ.	0.5589	-6.0881	5.01	6.68
1033	Shell-Thick	SLE-QP	0.7002	-4.6842	3.05	3.38
1033	Shell-Thick	SLE-QP	0.9494	-4.4543	3.01	3.38
1033	Shell-Thick	SLE-QP	0.4854	-4.7136	3.01	3.45
1033	Shell-Thick	SLE-QP	0.2558	-5.0773	3.05	3.45
1034	Shell-Thick	SLU-STATICA	2.6470	-7.0875	7.82	13.47
1034	Shell-Thick	SLU-STATICA	3.2905	-6.0407	7.75	13.47
1034	Shell-Thick	SLU-STATICA	2.1030	-6.2617	7.75	13.59
1034	Shell-Thick	SLU-STATICA	1.4976	-7.5687	7.82	13.59
1034	Shell-Thick	SLU-SISMICA	4.9864	-7.9764	14.05	25.06
1034	Shell-Thick	SLU-SISMICA	6.0567	-5.9586	13.92	25.06
1034	Shell-Thick	SLU-SISMICA	3.9332	-6.4762	13.92	25.30
1034	Shell-Thick	SLU-SISMICA	2.9135	-8.8397	14.05	25.30
1034	Shell-Thick	SLE-RARA	1.8892	-5.3261	5.62	9.63
1034	Shell-Thick	SLE-RARA	2.3555	-4.5814	5.57	9.63
1034	Shell-Thick	SLE-RARA	1.5024	-4.7340	5.57	9.71
1034	Shell-Thick	SLE-RARA	1.0643	-5.6718	5.62	9.71
1034	Shell-Thick	SLE-FREQ.	1.6504	-5.1218	4.97	8.44
1034	Shell-Thick	SLE-FREQ.	2.0701	-4.4752	4.92	8.44
1034	Shell-Thick	SLE-FREQ.	1.3149	-4.5996	4.92	8.51
1034	Shell-Thick	SLE-FREQ.	0.9216	-5.4275	4.97	8.51
1034	Shell-Thick	SLE-QP	0.9339	-4.5087	3.02	4.87
1034	Shell-Thick	SLE-QP	1.2139	-4.1565	2.99	4.87
1034	Shell-Thick	SLE-QP	0.7526	-4.1966	2.99	4.91
1034	Shell-Thick	SLE-QP	0.4938	-4.6946	3.02	4.91
1035	Shell-Thick	SLU-STATICA	3.2514	-5.7809	7.86	16.35
1035	Shell-Thick	SLU-STATICA	3.9325	-4.5138	7.79	16.35
1035	Shell-Thick	SLU-STATICA	2.7348	-5.1385	7.79	16.48
1035	Shell-Thick	SLU-STATICA	2.1009	-6.7278	7.86	16.48
1035	Shell-Thick	SLU-SISMICA	5.9804	-5.6737	14.08	28.83
1035	Shell-Thick	SLU-SISMICA	7.0875	-3.3754	13.91	28.83
1035	Shell-Thick	SLU-SISMICA	4.9557	-4.4983	13.91	29.12
1035	Shell-Thick	SLU-SISMICA	3.9135	-7.2409	14.08	29.12
1035	Shell-Thick	SLE-RARA	2.3277	-4.3857	5.65	11.77
1035	Shell-Thick	SLE-RARA	2.8226	-3.4770	5.60	11.77
1035	Shell-Thick	SLE-RARA	1.9616	-3.9255	5.60	11.86
1035	Shell-Thick	SLE-RARA	1.5016	-5.0724	5.65	11.86
1035	Shell-Thick	SLE-FREQ.	2.0461	-4.2864	5.00	10.45
1035	Shell-Thick	SLE-FREQ.	2.4937	-3.4848	4.95	10.45
1035	Shell-Thick	SLE-FREQ.	1.7308	-3.8813	4.95	10.53
1035	Shell-Thick	SLE-FREQ.	1.3156	-4.9051	5.00	10.53
1035	Shell-Thick	SLE-QP	1.2011	-3.9884	3.05	6.51
1035	Shell-Thick	SLE-QP	1.5071	-3.5083	3.03	6.51
1035	Shell-Thick	SLE-QP	1.0381	-3.7488	3.03	6.54
1035	Shell-Thick	SLE-QP	0.7576	-4.4035	3.05	6.54
1036	Shell-Thick	SLU-STATICA	3.8851	-4.6338	7.82	19.48
1036	Shell-Thick	SLU-STATICA	4.6075	-3.1228	7.74	19.48
1036	Shell-Thick	SLU-STATICA	3.4126	-3.3093	7.74	19.63
1036	Shell-Thick	SLU-STATICA	2.7458	-5.2009	7.82	19.63
1036	Shell-Thick	SLU-SISMICA	6.9994	-3.6587	13.95	32.84
1036	Shell-Thick	SLU-SISMICA	8.1501	-1.0501	13.74	32.84
1036	Shell-Thick	SLU-SISMICA	6.0338	-1.4953	13.74	33.20
1036	Shell-Thick	SLU-SISMICA	4.9604	-4.6320	13.95	33.20
1036	Shell-Thick	SLE-RARA	2.7887	-3.5598	5.62	14.10
1036	Shell-Thick	SLE-RARA	3.3148	-2.4695	5.56	14.10
1036	Shell-Thick	SLE-RARA	2.4552	-2.5979	5.56	14.20
1036	Shell-Thick	SLE-RARA	1.9703	-3.9692	5.62	14.20
1036	Shell-Thick	SLE-FREQ.	2.4640	-3.5522	4.98	12.65
1036	Shell-Thick	SLE-FREQ.	2.9419	-2.5790	4.93	12.65
1036	Shell-Thick	SLE-FREQ.	2.1793	-2.6830	4.93	12.73
1036	Shell-Thick	SLE-FREQ.	1.7397	-3.9181	4.98	12.73
1036	Shell-Thick	SLE-QP	1.4899	-3.5293	3.05	8.32
1036	Shell-Thick	SLE-QP	1.8233	-2.9073	3.04	8.32

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1036	Shell-Thick	SLE-QP	1.3514	-2.9380	3.04	8.34
1036	Shell-Thick	SLE-QP	1.0479	-3.7648	3.05	8.34
1037	Shell-Thick	SLU-STATICA	4.5694	-2.7772	7.87	22.87
1037	Shell-Thick	SLU-STATICA	5.2835	-0.9906	7.77	22.87
1037	Shell-Thick	SLU-STATICA	4.0798	-1.5652	7.77	23.04
1037	Shell-Thick	SLU-STATICA	3.4272	-3.7722	7.87	23.04
1037	Shell-Thick	SLU-SISMICA	8.0773	-0.6139	13.94	37.11
1037	Shell-Thick	SLU-SISMICA	9.1914	2.3370	13.68	37.11
1037	Shell-Thick	SLU-SISMICA	7.0760	1.3226	13.68	37.56
1037	Shell-Thick	SLU-SISMICA	6.0486	-2.2218	13.94	37.56
1037	Shell-Thick	SLE-RARA	3.2876	-2.2121	5.66	16.62
1037	Shell-Thick	SLE-RARA	3.8088	-0.9164	5.59	16.62
1037	Shell-Thick	SLE-RARA	2.9421	-1.3299	5.59	16.74
1037	Shell-Thick	SLE-RARA	2.4663	-2.9356	5.66	16.74
1037	Shell-Thick	SLE-FREQ.	2.9183	-2.3354	5.02	15.04
1037	Shell-Thick	SLE-FREQ.	3.3937	-1.1673	4.97	15.04
1037	Shell-Thick	SLE-FREQ.	2.6234	-1.5344	4.97	15.13
1037	Shell-Thick	SLE-FREQ.	2.1901	-2.9906	5.02	15.13
1037	Shell-Thick	SLE-QP	1.8103	-2.7051	3.11	10.30
1037	Shell-Thick	SLE-QP	2.1485	-1.9199	3.10	10.30
1037	Shell-Thick	SLE-QP	1.6671	-2.1481	3.10	10.31
1037	Shell-Thick	SLE-QP	1.3613	-3.1557	3.11	10.31
1038	Shell-Thick	SLU-STATICA	5.2393	-1.0328	7.82	26.50
1038	Shell-Thick	SLU-STATICA	5.9794	1.0236	7.68	26.50
1038	Shell-Thick	SLU-STATICA	4.7786	1.0038	7.68	26.74
1038	Shell-Thick	SLU-STATICA	4.1144	-1.5715	7.82	26.74
1038	Shell-Thick	SLU-SISMICA	9.1105	2.1989	13.76	41.64
1038	Shell-Thick	SLU-SISMICA	10.2416	5.4770	13.42	41.64
1038	Shell-Thick	SLU-SISMICA	8.1487	5.3207	13.42	42.22
1038	Shell-Thick	SLU-SISMICA	7.1255	1.3040	13.76	42.22
1038	Shell-Thick	SLE-RARA	3.7771	-0.9436	5.63	19.33
1038	Shell-Thick	SLE-RARA	4.3184	0.5538	5.54	19.33
1038	Shell-Thick	SLE-RARA	3.4530	0.5455	5.54	19.49
1038	Shell-Thick	SLE-RARA	2.9676	-1.3340	5.63	19.49
1038	Shell-Thick	SLE-FREQ.	3.3658	-1.1859	5.00	17.61
1038	Shell-Thick	SLE-FREQ.	3.8617	0.1741	4.93	17.61
1038	Shell-Thick	SLE-FREQ.	3.0909	0.1773	4.93	17.74
1038	Shell-Thick	SLE-FREQ.	2.6470	-1.5374	5.00	17.74
1038	Shell-Thick	SLE-QP	2.1320	-1.9129	3.12	12.45
1038	Shell-Thick	SLE-QP	2.4914	-0.9648	3.10	12.45
1038	Shell-Thick	SLE-QP	2.0046	-0.9274	3.10	12.48
1038	Shell-Thick	SLE-QP	1.6851	-2.1477	3.12	12.48
1039	Shell-Thick	SLU-STATICA	5.9482	1.5461	7.85	30.41
1039	Shell-Thick	SLU-STATICA	6.6162	3.9372	7.68	30.41
1039	Shell-Thick	SLU-STATICA	5.4121	3.4711	7.68	30.71
1039	Shell-Thick	SLU-STATICA	4.8224	0.5446	7.85	30.71
1039	Shell-Thick	SLU-SISMICA	10.1819	6.2036	13.68	46.45
1039	Shell-Thick	SLU-SISMICA	11.1781	9.8907	13.27	46.45
1039	Shell-Thick	SLU-SISMICA	9.1005	9.0923	13.27	47.16
1039	Shell-Thick	SLU-SISMICA	8.2167	4.6358	13.68	47.16
1039	Shell-Thick	SLE-RARA	4.2962	0.9395	5.66	22.25
1039	Shell-Thick	SLE-RARA	4.7860	2.6867	5.54	22.25
1039	Shell-Thick	SLE-RARA	3.9172	2.3501	5.54	22.45
1039	Shell-Thick	SLE-RARA	3.4850	0.2088	5.66	22.45
1039	Shell-Thick	SLE-FREQ.	3.8424	0.5336	5.04	20.38
1039	Shell-Thick	SLE-FREQ.	4.2931	2.1312	4.94	20.38
1039	Shell-Thick	SLE-FREQ.	3.5175	1.8302	4.94	20.55
1039	Shell-Thick	SLE-FREQ.	3.1201	-0.1325	5.04	20.55
1039	Shell-Thick	SLE-QP	2.4808	-0.6842	3.19	14.78
1039	Shell-Thick	SLE-QP	2.8144	0.4647	3.16	14.78
1039	Shell-Thick	SLE-QP	2.3184	0.2705	3.16	14.83
1039	Shell-Thick	SLE-QP	2.0255	-1.1567	3.19	14.83
1040	Shell-Thick	SLU-STATICA	6.5893	3.9427	7.72	34.32
1040	Shell-Thick	SLU-STATICA	7.1607	6.1806	7.51	34.32
1040	Shell-Thick	SLU-STATICA	5.9934	6.6602	7.51	34.74
1040	Shell-Thick	SLU-STATICA	5.4714	3.6279	7.72	34.74
1040	Shell-Thick	SLU-SISMICA	11.1266	9.8545	13.34	51.20
1040	Shell-Thick	SLU-SISMICA	11.9592	13.2224	12.87	51.20
1040	Shell-Thick	SLU-SISMICA	9.9574	13.8689	12.87	52.12

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1040	Shell-Thick	SLU-SISMICA	9.1964	9.3508	13.34	52.12
1040	Shell-Thick	SLE-RARA	4.7669	2.6930	5.57	25.16
1040	Shell-Thick	SLE-RARA	5.1868	4.3324	5.42	25.16
1040	Shell-Thick	SLE-RARA	4.3439	4.6876	5.42	25.45
1040	Shell-Thick	SLE-RARA	3.9603	2.4639	5.57	25.45
1040	Shell-Thick	SLE-FREQ.	4.2764	2.1407	4.97	23.15
1040	Shell-Thick	SLE-FREQ.	4.6646	3.6469	4.85	23.15
1040	Shell-Thick	SLE-FREQ.	3.9110	3.9796	4.85	23.40
1040	Shell-Thick	SLE-FREQ.	3.5566	1.9328	4.97	23.40
1040	Shell-Thick	SLE-QP	2.8052	0.4840	3.18	17.13
1040	Shell-Thick	SLE-QP	3.0979	1.5903	3.12	17.13
1040	Shell-Thick	SLE-QP	2.6124	1.8556	3.12	17.23
1040	Shell-Thick	SLE-QP	2.3453	0.3396	3.18	17.23
1041	Shell-Thick	SLU-STATICA	-0.4951	-9.3708	9.60	-5.81
1041	Shell-Thick	SLU-STATICA	-0.1015	-9.5630	9.01	-5.81
1041	Shell-Thick	SLU-STATICA	-1.4587	-9.2269	9.01	-4.78
1041	Shell-Thick	SLU-STATICA	-1.9311	-8.4981	9.60	-4.78
1041	Shell-Thick	SLU-SISMICA	-1.4694	-15.3968	13.78	-7.04
1041	Shell-Thick	SLU-SISMICA	-0.8558	-15.5495	13.38	-7.04
1041	Shell-Thick	SLU-SISMICA	-2.8302	-14.7322	13.38	-6.36
1041	Shell-Thick	SLU-SISMICA	-3.5698	-13.7196	13.78	-6.36
1041	Shell-Thick	SLE-RARA	-0.3266	-6.8004	7.07	-4.34
1041	Shell-Thick	SLE-RARA	-0.0393	-6.9480	6.61	-4.34
1041	Shell-Thick	SLE-RARA	-1.0370	-6.7173	6.61	-3.54
1041	Shell-Thick	SLE-RARA	-1.3816	-6.1792	7.07	-3.54
1041	Shell-Thick	SLE-FREQ.	-0.2385	-6.1375	6.55	-4.13
1041	Shell-Thick	SLE-FREQ.	0.0236	-6.2847	6.09	-4.13
1041	Shell-Thick	SLE-FREQ.	-0.8987	-6.0992	6.09	-3.33
1041	Shell-Thick	SLE-FREQ.	-1.2129	-5.5977	6.55	-3.33
1041	Shell-Thick	SLE-QP	0.0259	-4.1488	5.00	-3.50
1041	Shell-Thick	SLE-QP	0.2125	-4.2948	4.52	-3.50
1041	Shell-Thick	SLE-QP	-0.4839	-4.2451	4.52	-2.68
1041	Shell-Thick	SLE-QP	-0.7067	-3.8534	5.00	-2.68
1042	Shell-Thick	SLU-STATICA	-0.0364	-8.5955	9.15	-5.38
1042	Shell-Thick	SLU-STATICA	-0.5704	-9.0393	8.86	-5.38
1042	Shell-Thick	SLU-STATICA	-1.9213	-9.9639	8.86	-4.87
1042	Shell-Thick	SLU-STATICA	-1.3881	-9.5159	9.15	-4.87
1042	Shell-Thick	SLU-SISMICA	-0.7467	-14.0608	13.59	-5.70
1042	Shell-Thick	SLU-SISMICA	-1.4917	-14.5424	13.53	-5.70
1042	Shell-Thick	SLU-SISMICA	-3.5248	-15.9390	13.53	-5.59
1042	Shell-Thick	SLU-SISMICA	-2.7827	-15.4383	13.59	-5.59
1042	Shell-Thick	SLE-RARA	0.0078	-6.2409	6.72	-4.06
1042	Shell-Thick	SLE-RARA	-0.3863	-6.5753	6.48	-4.06
1042	Shell-Thick	SLE-RARA	-1.3760	-7.2523	6.48	-3.65
1042	Shell-Thick	SLE-RARA	-0.9823	-6.9155	6.72	-3.65
1042	Shell-Thick	SLE-FREQ.	0.0660	-5.6379	6.19	-3.94
1042	Shell-Thick	SLE-FREQ.	-0.3011	-5.9609	5.94	-3.94
1042	Shell-Thick	SLE-FREQ.	-1.2103	-6.5825	5.94	-3.50
1042	Shell-Thick	SLE-FREQ.	-0.8435	-6.2583	6.19	-3.50
1042	Shell-Thick	SLE-QP	0.2405	-3.8288	4.60	-3.56
1042	Shell-Thick	SLE-QP	-0.0453	-4.1178	4.30	-3.56
1042	Shell-Thick	SLE-QP	-0.7131	-4.5729	4.30	-3.05
1042	Shell-Thick	SLE-QP	-0.4270	-4.2866	4.60	-3.05
1043	Shell-Thick	SLU-STATICA	-0.5226	-9.5552	8.68	-4.84
1043	Shell-Thick	SLU-STATICA	-0.1482	-9.7448	8.37	-4.84
1043	Shell-Thick	SLU-STATICA	-1.3966	-9.3684	8.37	-4.30
1043	Shell-Thick	SLU-STATICA	-1.8320	-8.7625	8.68	-4.30
1043	Shell-Thick	SLU-SISMICA	-1.4176	-15.5380	13.21	-4.20
1043	Shell-Thick	SLU-SISMICA	-0.7896	-15.5607	13.11	-4.20
1043	Shell-Thick	SLU-SISMICA	-2.7149	-14.8496	13.11	-4.04
1043	Shell-Thick	SLU-SISMICA	-3.4412	-14.1551	13.21	-4.04
1043	Shell-Thick	SLE-RARA	-0.3514	-6.9422	6.35	-3.70
1043	Shell-Thick	SLE-RARA	-0.0803	-7.0942	6.10	-3.70
1043	Shell-Thick	SLE-RARA	-0.9925	-6.8257	6.10	-3.27
1043	Shell-Thick	SLE-RARA	-1.3080	-6.3710	6.35	-3.27
1043	Shell-Thick	SLE-FREQ.	-0.2692	-6.2794	5.82	-3.66
1043	Shell-Thick	SLE-FREQ.	-0.0256	-6.4413	5.56	-3.66
1043	Shell-Thick	SLE-FREQ.	-0.8597	-6.2070	5.56	-3.22
1043	Shell-Thick	SLE-FREQ.	-1.1435	-5.7708	5.82	-3.22

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1043	Shell-Thick	SLE-QP	-0.0225	-4.2908	4.24	-3.54
1043	Shell-Thick	SLE-QP	0.1384	-4.4827	3.94	-3.54
1043	Shell-Thick	SLE-QP	-0.4613	-4.3507	3.94	-3.04
1043	Shell-Thick	SLE-QP	-0.6500	-3.9700	4.24	-3.04
1044	Shell-Thick	SLU-STATICA	-0.1003	-8.8982	8.50	-4.24
1044	Shell-Thick	SLU-STATICA	-0.4023	-9.2527	8.25	-4.24
1044	Shell-Thick	SLU-STATICA	-1.6600	-10.1231	8.25	-3.81
1044	Shell-Thick	SLU-STATICA	-1.3569	-9.7775	8.50	-3.81
1044	Shell-Thick	SLU-SISMICA	-0.7163	-14.3269	13.31	-2.70
1044	Shell-Thick	SLU-SISMICA	-1.0636	-14.5541	13.26	-2.70
1044	Shell-Thick	SLU-SISMICA	-3.0557	-15.9258	13.26	-2.62
1044	Shell-Thick	SLU-SISMICA	-2.7096	-15.6904	13.31	-2.62
1044	Shell-Thick	SLE-RARA	-0.0453	-6.4721	6.21	-3.29
1044	Shell-Thick	SLE-RARA	-0.2719	-6.7470	6.00	-3.29
1044	Shell-Thick	SLE-RARA	-1.1883	-7.3815	6.00	-2.94
1044	Shell-Thick	SLE-RARA	-0.9608	-7.1142	6.21	-2.94
1044	Shell-Thick	SLE-FREQ.	0.0064	-5.8663	5.66	-3.34
1044	Shell-Thick	SLE-FREQ.	-0.2108	-6.1450	5.44	-3.34
1044	Shell-Thick	SLE-FREQ.	-1.0443	-6.7226	5.44	-2.97
1044	Shell-Thick	SLE-FREQ.	-0.8259	-6.4528	5.66	-2.97
1044	Shell-Thick	SLE-QP	0.1616	-4.0492	4.01	-3.47
1044	Shell-Thick	SLE-QP	-0.0277	-4.3389	3.77	-3.47
1044	Shell-Thick	SLE-QP	-0.6123	-4.7460	3.77	-3.04
1044	Shell-Thick	SLE-QP	-0.4214	-4.4688	4.01	-3.04
1045	Shell-Thick	SLU-STATICA	-0.3751	-9.7898	8.09	-3.44
1045	Shell-Thick	SLU-STATICA	0.0041	-9.9234	7.88	-3.44
1045	Shell-Thick	SLU-STATICA	-1.1724	-9.5577	7.88	-3.06
1045	Shell-Thick	SLU-STATICA	-1.5953	-9.1260	8.09	-3.06
1045	Shell-Thick	SLU-SISMICA	-1.0271	-15.5589	12.98	-0.95
1045	Shell-Thick	SLU-SISMICA	-0.3572	-15.3942	12.95	-0.95
1045	Shell-Thick	SLU-SISMICA	-2.2665	-14.8276	12.95	-0.91
1045	Shell-Thick	SLU-SISMICA	-3.0083	-14.5017	12.98	-0.91
1045	Shell-Thick	SLE-RARA	-0.2517	-7.1307	5.89	-2.73
1045	Shell-Thick	SLE-RARA	0.0211	-7.2467	5.72	-2.73
1045	Shell-Thick	SLE-RARA	-0.8339	-6.9797	5.72	-2.43
1045	Shell-Thick	SLE-RARA	-1.1384	-6.6473	5.89	-2.43
1045	Shell-Thick	SLE-FREQ.	-0.1919	-6.4807	5.34	-2.86
1045	Shell-Thick	SLE-FREQ.	0.0502	-6.6185	5.16	-2.86
1045	Shell-Thick	SLE-FREQ.	-0.7234	-6.3745	5.16	-2.55
1045	Shell-Thick	SLE-FREQ.	-0.9942	-6.0416	5.34	-2.55
1045	Shell-Thick	SLE-QP	-0.0125	-4.5310	3.70	-3.28
1045	Shell-Thick	SLE-QP	0.1377	-4.7336	3.49	-3.28
1045	Shell-Thick	SLE-QP	-0.3920	-4.5590	3.49	-2.90
1045	Shell-Thick	SLE-QP	-0.5616	-4.2246	3.70	-2.90
1046	Shell-Thick	SLU-STATICA	0.0309	-9.2033	8.01	-2.57
1046	Shell-Thick	SLU-STATICA	-0.0290	-9.4270	7.83	-2.57
1046	Shell-Thick	SLU-STATICA	-1.2197	-10.2565	7.83	-2.26
1046	Shell-Thick	SLU-STATICA	-1.1558	-10.0606	8.01	-2.26
1046	Shell-Thick	SLU-SISMICA	-0.3223	-14.4014	13.14	0.83
1046	Shell-Thick	SLU-SISMICA	-0.2746	-14.3357	13.13	0.83
1046	Shell-Thick	SLU-SISMICA	-2.2464	-15.6935	13.13	0.84
1046	Shell-Thick	SLU-SISMICA	-2.2920	-15.7734	13.14	0.84
1046	Shell-Thick	SLE-RARA	0.0410	-6.7147	5.82	-2.11
1046	Shell-Thick	SLE-RARA	-0.0097	-6.8986	5.67	-2.11
1046	Shell-Thick	SLE-RARA	-0.8731	-7.5009	5.67	-1.87
1046	Shell-Thick	SLE-RARA	-0.8192	-7.3386	5.82	-1.87
1046	Shell-Thick	SLE-FREQ.	0.0691	-6.1220	5.25	-2.34
1046	Shell-Thick	SLE-FREQ.	0.0107	-6.3251	5.10	-2.34
1046	Shell-Thick	SLE-FREQ.	-0.7672	-6.8691	5.10	-2.07
1046	Shell-Thick	SLE-FREQ.	-0.7057	-6.6882	5.25	-2.07
1046	Shell-Thick	SLE-QP	0.1531	-4.3437	3.56	-3.02
1046	Shell-Thick	SLE-QP	0.0720	-4.6046	3.37	-3.02
1046	Shell-Thick	SLE-QP	-0.4495	-4.9738	3.37	-2.70
1046	Shell-Thick	SLE-QP	-0.3649	-4.7369	3.56	-2.70
1047	Shell-Thick	SLU-STATICA	-0.0194	-9.9436	7.70	-1.47
1047	Shell-Thick	SLU-STATICA	0.3749	-9.9829	7.56	-1.47
1047	Shell-Thick	SLU-STATICA	-0.7547	-9.6980	7.56	-1.23
1047	Shell-Thick	SLU-STATICA	-1.1796	-9.4911	7.70	-1.23
1047	Shell-Thick	SLU-SISMICA	-0.2700	-15.2922	12.90	2.90

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1047	Shell-Thick	SLU-SISMICA	0.4569	-14.8850	12.93	2.90
1047	Shell-Thick	SLU-SISMICA	-1.4545	-14.5379	12.93	2.85
1047	Shell-Thick	SLU-SISMICA	-2.2345	-14.6543	12.90	2.85
1047	Shell-Thick	SLE-RARA	-0.0022	-7.2682	5.58	-1.33
1047	Shell-Thick	SLE-RARA	0.2800	-7.3202	5.46	-1.33
1047	Shell-Thick	SLE-RARA	-0.5370	-7.1074	5.46	-1.14
1047	Shell-Thick	SLE-RARA	-0.8413	-6.9345	5.58	-1.14
1047	Shell-Thick	SLE-FREQ.	0.0184	-6.6494	5.01	-1.66
1047	Shell-Thick	SLE-FREQ.	0.2663	-6.7368	4.88	-1.66
1047	Shell-Thick	SLE-FREQ.	-0.4662	-6.5344	4.88	-1.45
1047	Shell-Thick	SLE-FREQ.	-0.7338	-6.3392	5.01	-1.45
1047	Shell-Thick	SLE-QP	0.0804	-4.7932	3.32	-2.64
1047	Shell-Thick	SLE-QP	0.2254	-4.9868	3.16	-2.64
1047	Shell-Thick	SLE-QP	-0.2540	-4.8155	3.16	-2.37
1047	Shell-Thick	SLE-QP	-0.4115	-4.5533	3.32	-2.37
1048	Shell-Thick	SLU-STATICA	0.3806	-9.5295	7.66	0.39
1048	Shell-Thick	SLU-STATICA	0.9504	-9.4567	7.48	0.39
1048	Shell-Thick	SLU-STATICA	-0.1947	-10.0007	7.48	0.54
1048	Shell-Thick	SLU-STATICA	-0.7473	-10.0855	7.66	0.54
1048	Shell-Thick	SLU-SISMICA	0.4519	-14.3866	13.05	6.15
1048	Shell-Thick	SLU-SISMICA	1.5966	-13.3547	13.16	6.15
1048	Shell-Thick	SLU-SISMICA	-0.3742	-14.3177	13.16	6.05
1048	Shell-Thick	SLU-SISMICA	-1.5130	-15.3536	13.05	6.05
1048	Shell-Thick	SLE-RARA	0.2849	-6.9789	5.53	7.443E-03
1048	Shell-Thick	SLE-RARA	0.6879	-6.9714	5.39	7.443E-03
1048	Shell-Thick	SLE-RARA	-0.1386	-7.3628	5.39	0.14
1048	Shell-Thick	SLE-RARA	-0.5281	-7.3797	5.53	0.14
1048	Shell-Thick	SLE-FREQ.	0.2720	-6.4076	4.95	-0.47
1048	Shell-Thick	SLE-FREQ.	0.6179	-6.4792	4.79	-0.47
1048	Shell-Thick	SLE-FREQ.	-0.1204	-6.8265	4.79	-0.32
1048	Shell-Thick	SLE-FREQ.	-0.4521	-6.7648	4.95	-0.32
1048	Shell-Thick	SLE-QP	0.2334	-4.6939	3.21	-1.89
1048	Shell-Thick	SLE-QP	0.4077	-5.0025	2.99	-1.89
1048	Shell-Thick	SLE-QP	-0.0659	-5.2175	2.99	-1.69
1048	Shell-Thick	SLE-QP	-0.2243	-4.9202	3.21	-1.69
1049	Shell-Thick	SLU-STATICA	0.9295	-9.8594	7.41	2.64
1049	Shell-Thick	SLU-STATICA	1.4317	-9.6108	7.38	2.64
1049	Shell-Thick	SLU-STATICA	0.3245	-9.4247	7.38	2.71
1049	Shell-Thick	SLU-STATICA	-0.1824	-9.6411	7.41	2.71
1049	Shell-Thick	SLU-SISMICA	1.5479	-14.1739	13.03	9.77
1049	Shell-Thick	SLU-SISMICA	2.4486	-13.2848	13.11	9.77
1049	Shell-Thick	SLU-SISMICA	0.4944	-13.1685	13.11	9.64
1049	Shell-Thick	SLU-SISMICA	-0.4194	-13.9678	13.03	9.64
1049	Shell-Thick	SLE-RARA	0.6735	-7.2559	5.34	1.65
1049	Shell-Thick	SLE-RARA	1.0342	-7.0994	5.30	1.65
1049	Shell-Thick	SLE-RARA	0.2374	-6.9549	5.30	1.70
1049	Shell-Thick	SLE-RARA	-0.1264	-7.0898	5.34	1.70
1049	Shell-Thick	SLE-FREQ.	0.6061	-6.7224	4.74	1.02
1049	Shell-Thick	SLE-FREQ.	0.9251	-6.6224	4.70	1.02
1049	Shell-Thick	SLE-FREQ.	0.2176	-6.4757	4.70	1.09
1049	Shell-Thick	SLE-FREQ.	-0.1038	-6.5594	4.74	1.09
1049	Shell-Thick	SLE-QP	0.4038	-5.1220	2.96	-0.86
1049	Shell-Thick	SLE-QP	0.5979	-5.1915	2.90	-0.86
1049	Shell-Thick	SLE-QP	0.1581	-5.0383	2.90	-0.74
1049	Shell-Thick	SLE-QP	-0.0361	-4.9683	2.96	-0.74
1050	Shell-Thick	SLU-STATICA	1.4166	-9.1803	7.49	4.40
1050	Shell-Thick	SLU-STATICA	1.9074	-8.8608	7.47	4.40
1050	Shell-Thick	SLU-STATICA	0.7749	-9.5870	7.47	4.44
1050	Shell-Thick	SLU-STATICA	0.3032	-10.0366	7.49	4.44
1050	Shell-Thick	SLU-SISMICA	2.4106	-12.7642	13.27	12.45
1050	Shell-Thick	SLU-SISMICA	3.3005	-11.7672	13.34	12.45
1050	Shell-Thick	SLU-SISMICA	1.2925	-13.0613	13.34	12.33
1050	Shell-Thick	SLU-SISMICA	0.4263	-14.2200	13.27	12.33
1050	Shell-Thick	SLE-RARA	1.0239	-6.7777	5.39	2.94
1050	Shell-Thick	SLE-RARA	1.3759	-6.5694	5.37	2.94
1050	Shell-Thick	SLE-RARA	0.5614	-7.0913	5.37	2.97
1050	Shell-Thick	SLE-RARA	0.2236	-7.3967	5.39	2.97
1050	Shell-Thick	SLE-FREQ.	0.9170	-6.3161	4.78	2.20
1050	Shell-Thick	SLE-FREQ.	1.2275	-6.1686	4.76	2.20

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1050	Shell-Thick	SLE-FREQ.	0.5050	-6.6309	4.76	2.25
1050	Shell-Thick	SLE-FREQ.	0.2080	-6.8705	4.78	2.25
1050	Shell-Thick	SLE-QP	0.5962	-4.9311	2.96	9.032E-04
1050	Shell-Thick	SLE-QP	0.7822	-4.9661	2.91	9.032E-04
1050	Shell-Thick	SLE-QP	0.3359	-5.2498	2.91	8.205E-02
1050	Shell-Thick	SLE-QP	0.1612	-5.2920	2.96	8.205E-02
1051	Shell-Thick	SLU-STATICA	1.8790	-9.2669	7.41	6.40
1051	Shell-Thick	SLU-STATICA	2.4742	-8.7506	7.44	6.40
1051	Shell-Thick	SLU-STATICA	1.3544	-8.7497	7.44	6.37
1051	Shell-Thick	SLU-STATICA	0.7707	-9.3441	7.41	6.37
1051	Shell-Thick	SLU-SISMICA	3.2408	-12.5259	13.23	15.38
1051	Shell-Thick	SLU-SISMICA	4.2774	-11.2337	13.33	15.38
1051	Shell-Thick	SLU-SISMICA	2.2789	-11.4283	13.33	15.21
1051	Shell-Thick	SLU-SISMICA	1.2534	-12.7966	13.23	15.21
1051	Shell-Thick	SLE-RARA	1.3560	-6.8595	5.33	4.40
1051	Shell-Thick	SLE-RARA	1.7849	-6.5069	5.34	4.40
1051	Shell-Thick	SLE-RARA	0.9802	-6.4965	5.34	4.38
1051	Shell-Thick	SLE-RARA	0.5599	-6.9084	5.33	4.38
1051	Shell-Thick	SLE-FREQ.	1.2106	-6.4225	4.72	3.56
1051	Shell-Thick	SLE-FREQ.	1.5927	-6.1424	4.72	3.56
1051	Shell-Thick	SLE-FREQ.	0.8800	-6.1162	4.72	3.55
1051	Shell-Thick	SLE-FREQ.	0.5064	-6.4543	4.72	3.55
1051	Shell-Thick	SLE-QP	0.7746	-5.1117	2.89	1.02
1051	Shell-Thick	SLE-QP	1.0161	-5.0489	2.88	1.02
1051	Shell-Thick	SLE-QP	0.5796	-4.9753	2.88	1.04
1051	Shell-Thick	SLE-QP	0.3460	-5.0921	2.89	1.04
1052	Shell-Thick	SLU-STATICA	2.4501	-8.4523	7.54	8.60
1052	Shell-Thick	SLU-STATICA	3.1215	-7.8002	7.57	8.60
1052	Shell-Thick	SLU-STATICA	1.9745	-8.4498	7.57	8.54
1052	Shell-Thick	SLU-STATICA	1.3304	-9.2883	7.54	8.54
1052	Shell-Thick	SLU-SISMICA	4.2241	-10.9078	13.47	18.49
1052	Shell-Thick	SLU-SISMICA	5.3691	-9.4282	13.56	18.49
1052	Shell-Thick	SLU-SISMICA	3.3234	-10.6194	13.56	18.34
1052	Shell-Thick	SLU-SISMICA	2.2142	-12.3439	13.47	18.34
1052	Shell-Thick	SLE-RARA	1.7681	-6.2823	5.41	6.02
1052	Shell-Thick	SLE-RARA	2.2533	-5.8294	5.44	6.02
1052	Shell-Thick	SLE-RARA	1.4290	-6.2946	5.44	5.98
1052	Shell-Thick	SLE-RARA	0.9641	-6.8858	5.41	5.98
1052	Shell-Thick	SLE-FREQ.	1.5787	-5.9256	4.79	5.06
1052	Shell-Thick	SLE-FREQ.	2.0130	-5.5519	4.81	5.06
1052	Shell-Thick	SLE-FREQ.	1.2829	-5.9611	4.81	5.03
1052	Shell-Thick	SLE-FREQ.	0.8677	-6.4649	4.79	5.03
1052	Shell-Thick	SLE-QP	1.0106	-4.8556	2.93	2.18
1052	Shell-Thick	SLE-QP	1.2922	-4.7193	2.93	2.18
1052	Shell-Thick	SLE-QP	0.8446	-4.9606	2.93	2.17
1052	Shell-Thick	SLE-QP	0.5784	-5.2023	2.93	2.17
1053	Shell-Thick	SLU-STATICA	3.0858	-8.0736	7.55	11.04
1053	Shell-Thick	SLU-STATICA	3.8122	-7.2117	7.62	11.04
1053	Shell-Thick	SLU-STATICA	2.6602	-7.3747	7.62	10.92
1053	Shell-Thick	SLU-STATICA	1.9610	-8.4225	7.55	10.92
1053	Shell-Thick	SLU-SISMICA	5.2976	-9.9697	13.52	21.86
1053	Shell-Thick	SLU-SISMICA	6.5144	-8.1953	13.62	21.86
1053	Shell-Thick	SLU-SISMICA	4.4605	-8.6462	13.62	21.68
1053	Shell-Thick	SLU-SISMICA	3.2787	-10.6589	13.52	21.68
1053	Shell-Thick	SLE-RARA	2.2280	-6.0232	5.43	7.82
1053	Shell-Thick	SLE-RARA	2.7540	-5.4156	5.48	7.82
1053	Shell-Thick	SLE-RARA	1.9261	-5.5247	5.48	7.74
1053	Shell-Thick	SLE-RARA	1.4203	-6.2706	5.43	7.74
1053	Shell-Thick	SLE-FREQ.	1.9913	-5.7189	4.80	6.74
1053	Shell-Thick	SLE-FREQ.	2.4641	-5.2012	4.85	6.74
1053	Shell-Thick	SLE-FREQ.	1.7306	-5.2840	4.85	6.66
1053	Shell-Thick	SLE-FREQ.	1.2770	-5.9322	4.80	6.66
1053	Shell-Thick	SLE-QP	1.2812	-4.8059	2.93	3.49
1053	Shell-Thick	SLE-QP	1.5941	-4.5582	2.96	3.49
1053	Shell-Thick	SLE-QP	1.1443	-4.5619	2.96	3.44
1053	Shell-Thick	SLE-QP	0.8470	-4.9170	2.93	3.44
1054	Shell-Thick	SLU-STATICA	3.7841	-6.9657	7.72	13.70
1054	Shell-Thick	SLU-STATICA	4.5888	-5.9102	7.80	13.70
1054	Shell-Thick	SLU-STATICA	3.4059	-6.5517	7.80	13.55

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1054	Shell-Thick	SLU-STATICA	2.6392	-7.8667	7.72	13.55
1054	Shell-Thick	SLU-SISMICA	6.4546	-7.9344	13.76	25.44
1054	Shell-Thick	SLU-SISMICA	7.7739	-5.9052	13.85	25.44
1054	Shell-Thick	SLU-SISMICA	5.6763	-7.0805	13.85	25.28
1054	Shell-Thick	SLU-SISMICA	4.4089	-9.4642	13.76	25.28
1054	Shell-Thick	SLE-RARA	2.7343	-5.2299	5.55	9.79
1054	Shell-Thick	SLE-RARA	3.3184	-4.4786	5.61	9.79
1054	Shell-Thick	SLE-RARA	2.4676	-4.9381	5.61	9.68
1054	Shell-Thick	SLE-RARA	1.9116	-5.8813	5.55	9.68
1054	Shell-Thick	SLE-FREQ.	2.4474	-5.0214	4.91	8.59
1054	Shell-Thick	SLE-FREQ.	2.9748	-4.3686	4.97	8.59
1054	Shell-Thick	SLE-FREQ.	2.2202	-4.7729	4.97	8.48
1054	Shell-Thick	SLE-FREQ.	1.7190	-5.6050	4.91	8.48
1054	Shell-Thick	SLE-QP	1.5868	-4.3957	3.01	4.97
1054	Shell-Thick	SLE-QP	1.9441	-4.0386	3.06	4.97
1054	Shell-Thick	SLE-QP	1.4779	-4.2773	3.06	4.87
1054	Shell-Thick	SLE-QP	1.1413	-4.7762	3.01	4.87
1055	Shell-Thick	SLU-STATICA	4.5528	-6.0642	7.81	16.61
1055	Shell-Thick	SLU-STATICA	5.4131	-4.7761	7.91	16.61
1055	Shell-Thick	SLU-STATICA	4.2115	-5.0462	7.91	16.43
1055	Shell-Thick	SLU-STATICA	3.3949	-6.6325	7.81	16.43
1055	Shell-Thick	SLU-SISMICA	7.7023	-6.2460	13.87	29.30
1055	Shell-Thick	SLU-SISMICA	9.0908	-3.9084	13.96	29.30
1055	Shell-Thick	SLU-SISMICA	6.9736	-4.5103	13.96	29.14
1055	Shell-Thick	SLU-SISMICA	5.6448	-7.2557	13.87	29.14
1055	Shell-Thick	SLE-RARA	3.2929	-4.5860	5.62	11.95
1055	Shell-Thick	SLE-RARA	3.9184	-3.6623	5.70	11.95
1055	Shell-Thick	SLE-RARA	3.0536	-3.8503	5.70	11.82
1055	Shell-Thick	SLE-RARA	2.4604	-4.9946	5.62	11.82
1055	Shell-Thick	SLE-FREQ.	2.9529	-4.4580	4.98	10.62
1055	Shell-Thick	SLE-FREQ.	3.5196	-3.6433	5.06	10.62
1055	Shell-Thick	SLE-FREQ.	2.7513	-3.7995	5.06	10.48
1055	Shell-Thick	SLE-FREQ.	2.2148	-4.8203	4.98	10.48
1055	Shell-Thick	SLE-QP	1.9328	-4.0739	3.07	6.61
1055	Shell-Thick	SLE-QP	2.3230	-3.5863	3.15	6.61
1055	Shell-Thick	SLE-QP	1.8444	-3.6468	3.15	6.48
1055	Shell-Thick	SLE-QP	1.4781	-4.2972	3.07	6.48
1056	Shell-Thick	SLU-STATICA	5.3882	-4.4724	8.02	19.78
1056	Shell-Thick	SLU-STATICA	6.2847	-2.9349	8.14	19.78
1056	Shell-Thick	SLU-STATICA	5.0471	-3.6365	8.14	19.58
1056	Shell-Thick	SLU-STATICA	4.2018	-5.5226	8.02	19.58
1056	Shell-Thick	SLU-SISMICA	9.0366	-3.5415	14.11	33.41
1056	Shell-Thick	SLU-SISMICA	10.4588	-0.8856	14.19	33.41
1056	Shell-Thick	SLU-SISMICA	8.2994	-2.1281	14.19	33.27
1056	Shell-Thick	SLU-SISMICA	6.9488	-5.2725	14.11	33.27
1056	Shell-Thick	SLE-RARA	3.9011	-3.4353	5.77	14.31
1056	Shell-Thick	SLE-RARA	4.5542	-2.3260	5.86	14.31
1056	Shell-Thick	SLE-RARA	3.6624	-2.8306	5.86	14.15
1056	Shell-Thick	SLE-RARA	3.0470	-4.1971	5.77	14.15
1056	Shell-Thick	SLE-FREQ.	3.5051	-3.4271	5.13	12.83
1056	Shell-Thick	SLE-FREQ.	4.0989	-2.4370	5.22	12.83
1056	Shell-Thick	SLE-FREQ.	3.3048	-2.8848	5.22	12.68
1056	Shell-Thick	SLE-FREQ.	2.7461	-4.1142	5.13	12.68
1056	Shell-Thick	SLE-QP	2.3170	-3.4025	3.20	8.42
1056	Shell-Thick	SLE-QP	2.7329	-2.7702	3.29	8.42
1056	Shell-Thick	SLE-QP	2.2321	-3.0473	3.29	8.26
1056	Shell-Thick	SLE-QP	1.8434	-3.8654	3.20	8.26
1057	Shell-Thick	SLU-STATICA	6.2564	-2.9718	8.17	23.21
1057	Shell-Thick	SLU-STATICA	7.2107	-1.1736	8.28	23.21
1057	Shell-Thick	SLU-STATICA	5.9454	-1.4871	8.28	23.01
1057	Shell-Thick	SLU-STATICA	5.0534	-3.7099	8.17	23.01
1057	Shell-Thick	SLU-SISMICA	10.4000	-1.0254	14.24	37.80
1057	Shell-Thick	SLU-SISMICA	11.8908	1.9595	14.29	37.80
1057	Shell-Thick	SLU-SISMICA	9.7069	1.3231	14.29	37.71
1057	Shell-Thick	SLU-SISMICA	8.3037	-2.2604	14.24	37.71
1057	Shell-Thick	SLE-RARA	4.5343	-2.3488	5.89	16.86
1057	Shell-Thick	SLE-RARA	5.2306	-1.0454	5.98	16.86
1057	Shell-Thick	SLE-RARA	4.3177	-1.2668	5.98	16.70
1057	Shell-Thick	SLE-RARA	3.6672	-2.8833	5.89	16.70



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1057	Shell-Thick	SLE-FREQ.	4.0819	-2.4509	5.24	15.25
1057	Shell-Thick	SLE-FREQ.	4.7170	-1.2771	5.34	15.25
1057	Shell-Thick	SLE-FREQ.	3.9021	-1.4666	5.34	15.08
1057	Shell-Thick	SLE-FREQ.	3.3096	-2.9314	5.24	15.08
1057	Shell-Thick	SLE-QP	2.7250	-2.7570	3.31	10.41
1057	Shell-Thick	SLE-QP	3.1763	-1.9722	3.41	10.41
1057	Shell-Thick	SLE-QP	2.6554	-2.0657	3.41	10.22
1057	Shell-Thick	SLE-QP	2.2370	-3.0755	3.31	10.22
1058	Shell-Thick	SLU-STATICA	7.1990	-0.6944	8.42	26.93
1058	Shell-Thick	SLU-STATICA	8.1220	1.4123	8.53	26.93
1058	Shell-Thick	SLU-STATICA	6.8173	0.6137	8.53	26.73
1058	Shell-Thick	SLU-STATICA	5.9609	-1.9477	8.42	26.73
1058	Shell-Thick	SLU-SISMICA	11.8581	2.6136	14.49	42.48
1058	Shell-Thick	SLU-SISMICA	13.2775	5.9834	14.51	42.48
1058	Shell-Thick	SLU-SISMICA	11.0547	4.6411	14.51	42.45
1058	Shell-Thick	SLU-SISMICA	9.7303	0.6222	14.49	42.45
1058	Shell-Thick	SLE-RARA	5.2228	-0.6909	6.08	19.63
1058	Shell-Thick	SLE-RARA	5.8975	0.8424	6.17	19.63
1058	Shell-Thick	SLE-RARA	4.9546	0.2644	6.17	19.47
1058	Shell-Thick	SLE-RARA	4.3290	-1.6039	6.08	19.47
1058	Shell-Thick	SLE-FREQ.	4.7112	-0.9458	5.43	17.87
1058	Shell-Thick	SLE-FREQ.	5.3284	0.4460	5.52	17.87
1058	Shell-Thick	SLE-FREQ.	4.4842	-0.0731	5.52	17.70
1058	Shell-Thick	SLE-FREQ.	3.9125	-1.7755	5.43	17.70
1058	Shell-Thick	SLE-QP	3.1762	-1.7102	3.48	12.58
1058	Shell-Thick	SLE-QP	3.6211	-0.7433	3.59	12.58
1058	Shell-Thick	SLE-QP	3.0730	-1.0856	3.59	12.38
1058	Shell-Thick	SLE-QP	2.6629	-2.2905	3.48	12.38
1059	Shell-Thick	SLU-STATICA	8.1104	1.5041	8.58	30.93
1059	Shell-Thick	SLU-STATICA	9.0717	3.9012	8.66	30.93
1059	Shell-Thick	SLU-STATICA	7.7366	3.6480	8.66	30.79
1059	Shell-Thick	SLU-STATICA	6.8596	0.6757	8.58	30.79
1059	Shell-Thick	SLU-SISMICA	13.2463	6.0669	14.58	47.47
1059	Shell-Thick	SLU-SISMICA	14.7011	9.7873	14.52	47.47
1059	Shell-Thick	SLU-SISMICA	12.4578	9.2957	14.52	47.57
1059	Shell-Thick	SLU-SISMICA	11.1240	4.7484	14.58	47.57
1059	Shell-Thick	SLE-RARA	5.8897	0.9124	6.20	22.62
1059	Shell-Thick	SLE-RARA	6.5935	2.6628	6.27	22.62
1059	Shell-Thick	SLE-RARA	5.6271	2.4829	6.27	22.49
1059	Shell-Thick	SLE-RARA	4.9853	0.3091	6.20	22.49
1059	Shell-Thick	SLE-FREQ.	5.3224	0.5149	5.55	20.70
1059	Shell-Thick	SLE-FREQ.	5.9683	2.1134	5.63	20.70
1059	Shell-Thick	SLE-FREQ.	5.1004	1.9575	5.63	20.56
1059	Shell-Thick	SLE-FREQ.	4.5119	-0.0332	5.55	20.56
1059	Shell-Thick	SLE-QP	3.6205	-0.6776	3.62	14.95
1059	Shell-Thick	SLE-QP	4.0927	0.4653	3.72	14.95
1059	Shell-Thick	SLE-QP	3.5202	0.3815	3.72	14.76
1059	Shell-Thick	SLE-QP	3.0918	-1.0602	3.62	14.76
1060	Shell-Thick	SLU-STATICA	9.0920	4.7190	8.84	34.97
1060	Shell-Thick	SLU-STATICA	9.8015	7.0548	8.88	34.97
1060	Shell-Thick	SLU-STATICA	8.4518	6.1619	8.88	34.88
1060	Shell-Thick	SLU-STATICA	7.7835	3.1661	8.84	34.88
1060	Shell-Thick	SLU-SISMICA	14.7198	10.9767	14.79	52.46
1060	Shell-Thick	SLU-SISMICA	15.7744	14.5110	14.68	52.46
1060	Shell-Thick	SLU-SISMICA	13.5339	13.0941	14.68	52.67
1060	Shell-Thick	SLU-SISMICA	12.5388	8.6049	14.79	52.67
1060	Shell-Thick	SLE-RARA	6.6089	3.2640	6.40	25.63
1060	Shell-Thick	SLE-RARA	7.1294	4.9742	6.44	25.63
1060	Shell-Thick	SLE-RARA	6.1511	4.3237	6.44	25.55
1060	Shell-Thick	SLE-RARA	5.6609	2.1281	6.40	25.55
1060	Shell-Thick	SLE-FREQ.	5.9835	2.6693	5.75	23.56
1060	Shell-Thick	SLE-FREQ.	6.4627	4.2388	5.81	23.56
1060	Shell-Thick	SLE-FREQ.	5.5818	3.6474	5.81	23.45
1060	Shell-Thick	SLE-FREQ.	5.1306	1.6287	5.75	23.45
1060	Shell-Thick	SLE-QP	4.1071	0.8850	3.81	17.35
1060	Shell-Thick	SLE-QP	4.4628	2.0326	3.90	17.35
1060	Shell-Thick	SLE-QP	3.8738	1.6185	3.90	17.18
1060	Shell-Thick	SLE-QP	3.5394	0.1304	3.81	17.18
1061	Shell-Thick	SLU-STATICA	-0.6303	-9.4201	8.29	-4.92



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1061	Shell-Thick	SLU-STATICA	-0.1243	-9.5488	7.80	-4.92
1061	Shell-Thick	SLU-STATICA	-1.2932	-8.9853	7.80	-4.08
1061	Shell-Thick	SLU-STATICA	-1.8762	-8.3317	8.29	-4.08
1061	Shell-Thick	SLU-SISMICA	-1.7831	-15.3073	11.72	-5.65
1061	Shell-Thick	SLU-SISMICA	-1.0057	-15.3662	11.48	-5.65
1061	Shell-Thick	SLU-SISMICA	-2.6852	-14.2300	11.48	-5.25
1061	Shell-Thick	SLU-SISMICA	-3.5842	-13.3402	11.72	-5.25
1061	Shell-Thick	SLE-RARA	-0.4202	-6.8446	6.11	-3.69
1061	Shell-Thick	SLE-RARA	-0.0503	-6.9457	5.73	-3.69
1061	Shell-Thick	SLE-RARA	-0.9106	-6.5472	5.73	-3.03
1061	Shell-Thick	SLE-RARA	-1.3366	-6.0637	6.11	-3.03
1061	Shell-Thick	SLE-FREQ.	-0.3151	-6.1920	5.68	-3.54
1061	Shell-Thick	SLE-FREQ.	0.0234	-6.2963	5.29	-3.54
1061	Shell-Thick	SLE-FREQ.	-0.7737	-5.9547	5.29	-2.86
1061	Shell-Thick	SLE-FREQ.	-1.1632	-5.5026	5.68	-2.86
1061	Shell-Thick	SLE-QP	2.291E-04	-4.2343	4.38	-3.08
1061	Shell-Thick	SLE-QP	0.2444	-4.3483	3.96	-3.08
1061	Shell-Thick	SLE-QP	-0.3632	-4.1774	3.96	-2.35
1061	Shell-Thick	SLE-QP	-0.6433	-3.8192	4.38	-2.35
1062	Shell-Thick	SLU-STATICA	-0.0703	-8.6121	7.95	-4.45
1062	Shell-Thick	SLU-STATICA	-0.4674	-8.9807	7.73	-4.45
1062	Shell-Thick	SLU-STATICA	-1.6437	-9.7928	7.73	-4.06
1062	Shell-Thick	SLU-STATICA	-1.2471	-9.4216	7.95	-4.06
1062	Shell-Thick	SLU-SISMICA	-0.9136	-13.9394	11.70	-4.25
1062	Shell-Thick	SLU-SISMICA	-1.4408	-14.3049	11.74	-4.25
1062	Shell-Thick	SLU-SISMICA	-3.1984	-15.5174	11.74	-4.33
1062	Shell-Thick	SLU-SISMICA	-2.6733	-15.1369	11.70	-4.33
1062	Shell-Thick	SLE-RARA	-0.0113	-6.2603	5.84	-3.38
1062	Shell-Thick	SLE-RARA	-0.3057	-6.5397	5.66	-3.38
1062	Shell-Thick	SLE-RARA	-1.1680	-7.1351	5.66	-3.06
1062	Shell-Thick	SLE-RARA	-0.8739	-6.8543	5.84	-3.06
1062	Shell-Thick	SLE-FREQ.	0.0583	-5.6681	5.39	-3.31
1062	Shell-Thick	SLE-FREQ.	-0.2181	-5.9409	5.19	-3.31
1062	Shell-Thick	SLE-FREQ.	-1.0115	-6.4888	5.19	-2.96
1062	Shell-Thick	SLE-FREQ.	-0.7352	-6.2156	5.39	-2.96
1062	Shell-Thick	SLE-QP	0.2670	-3.8916	4.03	-3.11
1062	Shell-Thick	SLE-QP	0.0445	-4.1446	3.78	-3.11
1062	Shell-Thick	SLE-QP	-0.5418	-4.5496	3.78	-2.67
1062	Shell-Thick	SLE-QP	-0.3189	-4.2996	4.03	-2.67
1063	Shell-Thick	SLU-STATICA	-0.4326	-9.6277	7.53	-3.84
1063	Shell-Thick	SLU-STATICA	0.0498	-9.7460	7.31	-3.84
1063	Shell-Thick	SLU-STATICA	-1.0347	-9.1450	7.31	-3.45
1063	Shell-Thick	SLU-STATICA	-1.5753	-8.6297	7.53	-3.45
1063	Shell-Thick	SLU-SISMICA	-1.3860	-15.4716	11.40	-2.66
1063	Shell-Thick	SLU-SISMICA	-0.5991	-15.3885	11.44	-2.66
1063	Shell-Thick	SLU-SISMICA	-2.2662	-14.3638	11.44	-2.71
1063	Shell-Thick	SLU-SISMICA	-3.1458	-13.8135	11.40	-2.71
1063	Shell-Thick	SLE-RARA	-0.2803	-7.0041	5.52	-2.97
1063	Shell-Thick	SLE-RARA	0.0701	-7.1037	5.33	-2.97
1063	Shell-Thick	SLE-RARA	-0.7227	-6.6695	5.33	-2.65
1063	Shell-Thick	SLE-RARA	-1.1154	-6.2808	5.52	-2.65
1063	Shell-Thick	SLE-FREQ.	-0.1950	-6.3512	5.06	-2.99
1063	Shell-Thick	SLE-FREQ.	0.1217	-6.4649	4.86	-2.99
1063	Shell-Thick	SLE-FREQ.	-0.6037	-6.0762	4.86	-2.64
1063	Shell-Thick	SLE-FREQ.	-0.9589	-5.6999	5.06	-2.64
1063	Shell-Thick	SLE-QP	0.0608	-4.3923	3.70	-3.06
1063	Shell-Thick	SLE-QP	0.2765	-4.5483	3.45	-3.06
1063	Shell-Thick	SLE-QP	-0.2466	-4.2962	3.45	-2.63
1063	Shell-Thick	SLE-QP	-0.4892	-3.9573	3.70	-2.63
1064	Shell-Thick	SLU-STATICA	0.0856	-8.9287	7.45	-3.16
1064	Shell-Thick	SLU-STATICA	-0.0585	-9.1960	7.29	-3.16
1064	Shell-Thick	SLU-STATICA	-1.1650	-9.9650	7.29	-2.87
1064	Shell-Thick	SLU-STATICA	-1.0195	-9.7074	7.45	-2.87
1064	Shell-Thick	SLU-SISMICA	-0.5435	-14.2088	11.64	-1.05
1064	Shell-Thick	SLU-SISMICA	-0.6473	-14.3036	11.71	-1.05
1064	Shell-Thick	SLU-SISMICA	-2.3990	-15.5128	11.71	-1.18
1064	Shell-Thick	SLU-SISMICA	-2.2958	-15.4139	11.64	-1.18
1064	Shell-Thick	SLE-RARA	0.0962	-6.5026	5.44	-2.50
1064	Shell-Thick	SLE-RARA	-0.0150	-6.7137	5.30	-2.50

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1064	Shell-Thick	SLE-RARA	-0.8213	-7.2744	5.30	-2.26
1064	Shell-Thick	SLE-RARA	-0.7089	-7.0714	5.44	-2.26
1064	Shell-Thick	SLE-FREQ.	0.1456	-5.9083	4.96	-2.61
1064	Shell-Thick	SLE-FREQ.	0.0338	-6.1284	4.81	-2.61
1064	Shell-Thick	SLE-FREQ.	-0.6996	-6.6392	4.81	-2.34
1064	Shell-Thick	SLE-FREQ.	-0.5866	-6.4280	4.96	-2.34
1064	Shell-Thick	SLE-QP	0.2936	-4.1255	3.53	-2.95
1064	Shell-Thick	SLE-QP	0.1800	-4.3726	3.32	-2.95
1064	Shell-Thick	SLE-QP	-0.3346	-4.7333	3.32	-2.59
1064	Shell-Thick	SLE-QP	-0.2195	-4.4981	3.53	-2.59
1065	Shell-Thick	SLU-STATICA	-0.0427	-9.8554	7.11	-2.27
1065	Shell-Thick	SLU-STATICA	0.4369	-9.9077	6.99	-2.27
1065	Shell-Thick	SLU-STATICA	-0.6012	-9.3298	6.99	-2.06
1065	Shell-Thick	SLU-STATICA	-1.1207	-9.0051	7.11	-2.06
1065	Shell-Thick	SLU-SISMICA	-0.6272	-15.4655	11.42	0.82
1065	Shell-Thick	SLU-SISMICA	0.1920	-15.1807	11.53	0.82
1065	Shell-Thick	SLU-SISMICA	-1.4970	-14.3205	11.53	0.63
1065	Shell-Thick	SLU-SISMICA	-2.3811	-14.1615	11.42	0.63
1065	Shell-Thick	SLE-RARA	-0.0032	-7.1883	5.18	-1.88
1065	Shell-Thick	SLE-RARA	0.3432	-7.2447	5.07	-1.88
1065	Shell-Thick	SLE-RARA	-0.4109	-6.8209	5.07	-1.70
1065	Shell-Thick	SLE-RARA	-0.7864	-6.5666	5.18	-1.70
1065	Shell-Thick	SLE-FREQ.	0.0449	-6.5500	4.69	-2.09
1065	Shell-Thick	SLE-FREQ.	0.3549	-6.6328	4.57	-2.09
1065	Shell-Thick	SLE-FREQ.	-0.3272	-6.2426	4.57	-1.87
1065	Shell-Thick	SLE-FREQ.	-0.6634	-5.9809	4.69	-1.87
1065	Shell-Thick	SLE-QP	0.1892	-4.6352	3.25	-2.71
1065	Shell-Thick	SLE-QP	0.3899	-4.7969	3.08	-2.71
1065	Shell-Thick	SLE-QP	-0.0759	-4.5076	3.08	-2.41
1065	Shell-Thick	SLE-QP	-0.2945	-4.2239	3.25	-2.41
1066	Shell-Thick	SLU-STATICA	0.4530	-9.2342	7.12	-1.28
1066	Shell-Thick	SLU-STATICA	0.6093	-9.3556	7.04	-1.28
1066	Shell-Thick	SLU-STATICA	-0.4552	-10.0534	7.04	-1.14
1066	Shell-Thick	SLU-STATICA	-0.6075	-9.9539	7.12	-1.14
1066	Shell-Thick	SLU-SISMICA	0.2114	-14.2657	11.71	2.78
1066	Shell-Thick	SLU-SISMICA	0.5905	-14.0283	11.85	2.78
1066	Shell-Thick	SLU-SISMICA	-1.1784	-15.1831	11.85	2.55
1066	Shell-Thick	SLU-SISMICA	-1.5554	-15.4308	11.71	2.55
1066	Shell-Thick	SLE-RARA	0.3553	-6.7464	5.17	-1.18
1066	Shell-Thick	SLE-RARA	0.4626	-6.8563	5.09	-1.18
1066	Shell-Thick	SLE-RARA	-0.3089	-7.3623	5.09	-1.05
1066	Shell-Thick	SLE-RARA	-0.4131	-7.2696	5.17	-1.05
1066	Shell-Thick	SLE-FREQ.	0.3664	-6.1665	4.67	-1.48
1066	Shell-Thick	SLE-FREQ.	0.4527	-6.3032	4.57	-1.48
1066	Shell-Thick	SLE-FREQ.	-0.2418	-6.7592	4.57	-1.33
1066	Shell-Thick	SLE-FREQ.	-0.3250	-6.6402	4.67	-1.33
1066	Shell-Thick	SLE-QP	0.3997	-4.4270	3.15	-2.39
1066	Shell-Thick	SLE-QP	0.4232	-4.6441	3.01	-2.39
1066	Shell-Thick	SLE-QP	-0.0407	-4.9499	3.01	-2.16
1066	Shell-Thick	SLE-QP	-0.0607	-4.7522	3.15	-2.16
1067	Shell-Thick	SLU-STATICA	0.6164	-9.7940	6.93	0.57
1067	Shell-Thick	SLU-STATICA	1.5047	-9.6795	6.91	0.57
1067	Shell-Thick	SLU-STATICA	0.4912	-9.4657	6.91	0.58
1067	Shell-Thick	SLU-STATICA	-0.4482	-9.5448	6.93	0.58
1067	Shell-Thick	SLU-SISMICA	0.5910	-14.8877	11.65	6.10
1067	Shell-Thick	SLU-SISMICA	2.1867	-13.8506	12.06	6.10
1067	Shell-Thick	SLU-SISMICA	0.4546	-13.6438	12.06	5.74
1067	Shell-Thick	SLU-SISMICA	-1.2370	-14.6143	11.65	5.74
1067	Shell-Thick	SLE-RARA	0.4683	-7.1675	5.01	0.15
1067	Shell-Thick	SLE-RARA	1.1062	-7.1267	4.98	0.15
1067	Shell-Thick	SLE-RARA	0.3740	-6.9643	4.98	0.18
1067	Shell-Thick	SLE-RARA	-0.3003	-6.9799	5.01	0.18
1067	Shell-Thick	SLE-FREQ.	0.4589	-6.5722	4.50	-0.31
1067	Shell-Thick	SLE-FREQ.	1.0229	-6.6082	4.44	-0.31
1067	Shell-Thick	SLE-FREQ.	0.3678	-6.4493	4.44	-0.25
1067	Shell-Thick	SLE-FREQ.	-0.2281	-6.3912	4.50	-0.25
1067	Shell-Thick	SLE-QP	0.4305	-4.7862	2.97	-1.68
1067	Shell-Thick	SLE-QP	0.7729	-5.0527	2.80	-1.68
1067	Shell-Thick	SLE-QP	0.3491	-4.9040	2.80	-1.53

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1067	Shell-Thick	SLE-QP	-0.0114	-4.6250	2.97	-1.53
1068	Shell-Thick	SLU-STATICA	1.4994	-9.2929	7.01	2.71
1068	Shell-Thick	SLU-STATICA	1.9810	-9.1052	7.05	2.71
1068	Shell-Thick	SLU-STATICA	0.9198	-9.7991	7.05	2.65
1068	Shell-Thick	SLU-STATICA	0.4514	-10.0776	7.01	2.65
1068	Shell-Thick	SLU-SISMICA	2.1660	-13.4392	12.18	9.65
1068	Shell-Thick	SLU-SISMICA	3.0433	-12.6702	12.39	9.65
1068	Shell-Thick	SLU-SISMICA	1.1925	-13.8972	12.39	9.28
1068	Shell-Thick	SLU-SISMICA	0.3313	-14.7751	12.18	9.28
1068	Shell-Thick	SLE-RARA	1.1029	-6.8350	5.05	1.71
1068	Shell-Thick	SLE-RARA	1.4481	-6.7217	5.07	1.71
1068	Shell-Thick	SLE-RARA	0.6834	-7.2210	5.07	1.67
1068	Shell-Thick	SLE-RARA	0.3481	-7.4021	5.05	1.67
1068	Shell-Thick	SLE-FREQ.	1.0209	-6.3257	4.50	1.10
1068	Shell-Thick	SLE-FREQ.	1.3251	-6.2630	4.51	1.10
1068	Shell-Thick	SLE-FREQ.	0.6441	-6.7061	4.51	1.09
1068	Shell-Thick	SLE-FREQ.	0.3494	-6.8336	4.50	1.09
1068	Shell-Thick	SLE-QP	0.7750	-4.7979	2.86	-0.74
1068	Shell-Thick	SLE-QP	0.9561	-4.8869	2.82	-0.74
1068	Shell-Thick	SLE-QP	0.5263	-5.1617	2.82	-0.67
1068	Shell-Thick	SLE-QP	0.3532	-5.1279	2.86	-0.67
1069	Shell-Thick	SLU-STATICA	1.9611	-9.6558	6.94	4.47
1069	Shell-Thick	SLU-STATICA	2.5824	-9.2747	7.04	4.47
1069	Shell-Thick	SLU-STATICA	1.5328	-9.0057	7.04	4.30
1069	Shell-Thick	SLU-STATICA	0.9117	-9.3880	6.94	4.30
1069	Shell-Thick	SLU-SISMICA	2.9991	-13.6418	12.21	12.38
1069	Shell-Thick	SLU-SISMICA	4.0773	-12.5681	12.48	12.38
1069	Shell-Thick	SLU-SISMICA	2.2272	-12.3490	12.48	11.92
1069	Shell-Thick	SLU-SISMICA	1.1442	-13.3888	12.21	11.92
1069	Shell-Thick	SLE-RARA	1.4343	-7.1179	5.00	3.00
1069	Shell-Thick	SLE-RARA	1.8823	-6.8637	5.07	3.00
1069	Shell-Thick	SLE-RARA	1.1269	-6.6574	5.07	2.88
1069	Shell-Thick	SLE-RARA	0.6793	-6.9143	5.00	2.88
1069	Shell-Thick	SLE-FREQ.	1.3136	-6.6149	4.44	2.27
1069	Shell-Thick	SLE-FREQ.	1.7131	-6.4238	4.50	2.27
1069	Shell-Thick	SLE-FREQ.	1.0420	-6.2185	4.50	2.18
1069	Shell-Thick	SLE-FREQ.	0.6434	-6.4150	4.44	2.18
1069	Shell-Thick	SLE-QP	0.9516	-5.1056	2.77	0.10
1069	Shell-Thick	SLE-QP	1.2053	-5.1042	2.78	0.10
1069	Shell-Thick	SLE-QP	0.7875	-4.9018	2.78	9.133E-02
1069	Shell-Thick	SLE-QP	0.5359	-4.9172	2.77	9.133E-02
1070	Shell-Thick	SLU-STATICA	2.5668	-8.9160	7.15	6.42
1070	Shell-Thick	SLU-STATICA	3.2769	-8.4341	7.27	6.42
1070	Shell-Thick	SLU-STATICA	2.1854	-9.0164	7.27	6.20
1070	Shell-Thick	SLU-STATICA	1.4950	-9.6320	7.15	6.20
1070	Shell-Thick	SLU-SISMICA	4.0390	-12.1480	12.62	15.27
1070	Shell-Thick	SLU-SISMICA	5.2526	-10.9250	12.89	15.27
1070	Shell-Thick	SLU-SISMICA	3.3263	-12.0127	12.89	14.82
1070	Shell-Thick	SLU-SISMICA	2.1379	-13.4071	12.62	14.82
1070	Shell-Thick	SLE-RARA	1.8716	-6.5949	5.14	4.42
1070	Shell-Thick	SLE-RARA	2.3846	-6.2667	5.23	4.42
1070	Shell-Thick	SLE-RARA	1.5991	-6.6827	5.23	4.27
1070	Shell-Thick	SLE-RARA	1.1008	-7.1104	5.14	4.27
1070	Shell-Thick	SLE-FREQ.	1.7045	-6.1667	4.57	3.58
1070	Shell-Thick	SLE-FREQ.	2.1634	-5.9075	4.64	3.58
1070	Shell-Thick	SLE-FREQ.	1.4659	-6.2717	4.64	3.46
1070	Shell-Thick	SLE-FREQ.	1.0208	-6.6249	4.57	3.46
1070	Shell-Thick	SLE-QP	1.2031	-4.8821	2.84	1.07
1070	Shell-Thick	SLE-QP	1.4999	-4.8298	2.87	1.07
1070	Shell-Thick	SLE-QP	1.0664	-5.0387	2.87	1.02
1070	Shell-Thick	SLE-QP	0.7808	-5.1682	2.84	1.02
1071	Shell-Thick	SLU-STATICA	3.2489	-8.8138	7.22	8.60
1071	Shell-Thick	SLU-STATICA	4.0090	-8.1336	7.40	8.60
1071	Shell-Thick	SLU-STATICA	2.9043	-8.1134	7.40	8.29
1071	Shell-Thick	SLU-STATICA	2.1602	-8.9024	7.22	8.29
1071	Shell-Thick	SLU-SISMICA	5.1941	-11.6264	12.79	18.43
1071	Shell-Thick	SLU-SISMICA	6.4756	-10.1105	13.11	18.43
1071	Shell-Thick	SLU-SISMICA	4.5228	-10.2927	13.11	17.88
1071	Shell-Thick	SLU-SISMICA	3.2600	-11.9357	12.79	17.88

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1071	Shell-Thick	SLE-RARA	2.3649	-6.5384	5.19	6.03
1071	Shell-Thick	SLE-RARA	2.9149	-6.0647	5.32	6.03
1071	Shell-Thick	SLE-RARA	2.1200	-6.0392	5.32	5.80
1071	Shell-Thick	SLE-RARA	1.5821	-6.5945	5.19	5.80
1071	Shell-Thick	SLE-FREQ.	2.1468	-6.1461	4.61	5.07
1071	Shell-Thick	SLE-FREQ.	2.6403	-5.7527	4.72	5.07
1071	Shell-Thick	SLE-FREQ.	1.9348	-5.7112	4.72	4.87
1071	Shell-Thick	SLE-FREQ.	1.4527	-6.1826	4.61	4.87
1071	Shell-Thick	SLE-QP	1.4923	-4.9690	2.85	2.20
1071	Shell-Thick	SLE-QP	1.8165	-4.8167	2.92	2.20
1071	Shell-Thick	SLE-QP	1.3789	-4.7272	2.92	2.07
1071	Shell-Thick	SLE-QP	1.0645	-4.9470	2.85	2.07
1072	Shell-Thick	SLU-STATICA	3.9898	-7.8958	7.48	11.00
1072	Shell-Thick	SLU-STATICA	4.8767	-7.0523	7.70	11.00
1072	Shell-Thick	SLU-STATICA	3.7238	-7.6028	7.70	10.63
1072	Shell-Thick	SLU-STATICA	2.8654	-8.6414	7.48	10.63
1072	Shell-Thick	SLU-SISMICA	6.4299	-9.8644	13.23	21.80
1072	Shell-Thick	SLU-SISMICA	7.8923	-8.1241	13.55	21.80
1072	Shell-Thick	SLU-SISMICA	5.8641	-9.1769	13.55	21.23
1072	Shell-Thick	SLU-SISMICA	4.4403	-11.1795	13.23	21.23
1072	Shell-Thick	SLE-RARA	2.9016	-5.8849	5.38	7.80
1072	Shell-Thick	SLE-RARA	3.5450	-5.2904	5.54	7.80
1072	Shell-Thick	SLE-RARA	2.7150	-5.6825	5.54	7.53
1072	Shell-Thick	SLE-RARA	2.0928	-6.4215	5.38	7.53
1072	Shell-Thick	SLE-FREQ.	2.6295	-5.5780	4.78	6.72
1072	Shell-Thick	SLE-FREQ.	3.2098	-5.0718	4.92	6.72
1072	Shell-Thick	SLE-FREQ.	2.4721	-5.4130	4.92	6.47
1072	Shell-Thick	SLE-FREQ.	1.9118	-6.0546	4.78	6.47
1072	Shell-Thick	SLE-QP	1.8133	-4.6574	2.96	3.48
1072	Shell-Thick	SLE-QP	2.2041	-4.4163	3.07	3.48
1072	Shell-Thick	SLE-QP	1.7436	-4.6046	3.07	3.30
1072	Shell-Thick	SLE-QP	1.3687	-4.9539	2.96	3.30
1073	Shell-Thick	SLU-STATICA	4.8484	-7.2801	7.68	13.66
1073	Shell-Thick	SLU-STATICA	5.7932	-6.2189	7.95	13.66
1073	Shell-Thick	SLU-STATICA	4.6053	-6.4005	7.95	13.20
1073	Shell-Thick	SLU-STATICA	3.6919	-7.6756	7.68	13.20
1073	Shell-Thick	SLU-SISMICA	7.8321	-8.5815	13.52	25.43
1073	Shell-Thick	SLU-SISMICA	9.3718	-6.5394	13.89	25.43
1073	Shell-Thick	SLU-SISMICA	7.2949	-7.0294	13.89	24.80
1073	Shell-Thick	SLU-SISMICA	5.7970	-9.3562	13.52	24.80
1073	Shell-Thick	SLE-RARA	3.5252	-5.4516	5.53	9.76
1073	Shell-Thick	SLE-RARA	4.2115	-4.6963	5.72	9.76
1073	Shell-Thick	SLE-RARA	3.3556	-4.8185	5.72	9.42
1073	Shell-Thick	SLE-RARA	2.6926	-5.7324	5.53	9.42
1073	Shell-Thick	SLE-FREQ.	3.1931	-5.2102	4.91	8.55
1073	Shell-Thick	SLE-FREQ.	3.8135	-4.5542	5.10	8.55
1073	Shell-Thick	SLE-FREQ.	3.0518	-4.6481	5.10	8.24
1073	Shell-Thick	SLE-FREQ.	2.4532	-5.4529	4.91	8.24
1073	Shell-Thick	SLE-QP	2.1967	-4.4861	3.06	4.93
1073	Shell-Thick	SLE-QP	2.6197	-4.1278	3.21	4.93
1073	Shell-Thick	SLE-QP	2.1405	-4.1366	3.21	4.68
1073	Shell-Thick	SLE-QP	1.7351	-4.6146	3.06	4.68
1074	Shell-Thick	SLU-STATICA	5.7769	-5.9813	8.02	16.56
1074	Shell-Thick	SLU-STATICA	6.8164	-4.6999	8.33	16.56
1074	Shell-Thick	SLU-STATICA	5.5697	-5.3413	8.33	16.03
1074	Shell-Thick	SLU-STATICA	4.5702	-6.8951	8.02	16.03
1074	Shell-Thick	SLU-SISMICA	9.3296	-6.2785	14.00	29.31
1074	Shell-Thick	SLU-SISMICA	10.9943	-3.9464	14.38	29.31
1074	Shell-Thick	SLU-SISMICA	8.8370	-5.1272	14.38	28.65
1074	Shell-Thick	SLU-SISMICA	7.2278	-7.8368	14.00	28.65
1074	Shell-Thick	SLE-RARA	4.2004	-4.5175	5.78	11.91
1074	Shell-Thick	SLE-RARA	4.9569	-3.5989	6.01	11.91
1074	Shell-Thick	SLE-RARA	4.0576	-4.0580	6.01	11.52
1074	Shell-Thick	SLE-RARA	3.3306	-5.1778	5.78	11.52
1074	Shell-Thick	SLE-FREQ.	3.8048	-4.3817	5.15	10.57
1074	Shell-Thick	SLE-FREQ.	4.4913	-3.5721	5.36	10.57
1074	Shell-Thick	SLE-FREQ.	3.6890	-3.9755	5.36	10.20
1074	Shell-Thick	SLE-FREQ.	3.0301	-4.9727	5.15	10.20
1074	Shell-Thick	SLE-QP	2.6182	-3.9743	3.25	6.54

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1074	Shell-Thick	SLE-QP	3.0946	-3.4917	3.42	6.54
1074	Shell-Thick	SLE-QP	2.5833	-3.7282	3.42	6.24
1074	Shell-Thick	SLE-QP	2.1285	-4.3576	3.25	6.24
1075	Shell-Thick	SLU-STATICA	6.7964	-4.7959	8.33	19.73
1075	Shell-Thick	SLU-STATICA	7.9251	-3.2686	8.68	19.73
1075	Shell-Thick	SLU-STATICA	6.6249	-3.6191	8.68	19.14
1075	Shell-Thick	SLU-STATICA	5.5442	-5.4727	8.33	19.14
1075	Shell-Thick	SLU-SISMICA	10.9465	-4.1850	14.39	33.48
1075	Shell-Thick	SLU-SISMICA	12.7311	-1.5297	14.80	33.48
1075	Shell-Thick	SLU-SISMICA	10.5079	-2.2549	14.80	32.78
1075	Shell-Thick	SLU-SISMICA	8.7898	-5.3636	14.39	32.78
1075	Shell-Thick	SLE-RARA	4.9431	-3.6645	6.01	14.26
1075	Shell-Thick	SLE-RARA	5.7657	-2.5634	6.27	14.26
1075	Shell-Thick	SLE-RARA	4.8265	-2.8102	6.27	13.82
1075	Shell-Thick	SLE-RARA	4.0393	-4.1523	6.01	13.82
1075	Shell-Thick	SLE-FREQ.	4.4802	-3.6243	5.37	12.78
1075	Shell-Thick	SLE-FREQ.	5.2286	-2.6431	5.61	12.78
1075	Shell-Thick	SLE-FREQ.	4.3884	-2.8531	5.61	12.36
1075	Shell-Thick	SLE-FREQ.	3.6730	-4.0589	5.37	12.36
1075	Shell-Thick	SLE-QP	3.0914	-3.5039	3.43	8.34
1075	Shell-Thick	SLE-QP	3.6172	-2.8822	3.64	8.34
1075	Shell-Thick	SLE-QP	3.0741	-2.9815	3.64	7.97
1075	Shell-Thick	SLE-QP	2.5740	-3.7786	3.43	7.97
1076	Shell-Thick	SLU-STATICA	7.9220	-2.8999	8.77	23.18
1076	Shell-Thick	SLU-STATICA	9.0907	-1.0943	9.15	23.18
1076	Shell-Thick	SLU-STATICA	7.7190	-1.9379	9.15	22.52
1076	Shell-Thick	SLU-STATICA	6.6039	-4.1085	8.77	22.52
1076	Shell-Thick	SLU-SISMICA	12.7090	-1.0514	14.94	37.95
1076	Shell-Thick	SLU-SISMICA	14.5315	1.9601	15.37	37.95
1076	Shell-Thick	SLU-SISMICA	12.2198	0.5092	15.37	37.22
1076	Shell-Thick	SLU-SISMICA	10.4729	-3.0183	14.94	37.22
1076	Shell-Thick	SLE-RARA	5.7643	-2.2895	6.34	16.83
1076	Shell-Thick	SLE-RARA	6.6173	-0.9814	6.63	16.83
1076	Shell-Thick	SLE-RARA	5.6248	-1.5903	6.63	16.34
1076	Shell-Thick	SLE-RARA	4.8112	-3.1674	6.34	16.34
1076	Shell-Thick	SLE-FREQ.	5.2287	-2.3849	5.68	15.20
1076	Shell-Thick	SLE-FREQ.	6.0070	-1.2082	5.95	15.20
1076	Shell-Thick	SLE-FREQ.	5.1162	-1.7522	5.95	14.73
1076	Shell-Thick	SLE-FREQ.	4.3746	-3.1790	5.68	14.73
1076	Shell-Thick	SLE-QP	3.6222	-2.6714	3.69	10.32
1076	Shell-Thick	SLE-QP	4.1761	-1.8887	3.93	10.32
1076	Shell-Thick	SLE-QP	3.5905	-2.2379	3.93	9.89
1076	Shell-Thick	SLE-QP	3.0649	-3.2135	3.69	9.89
1077	Shell-Thick	SLU-STATICA	9.0898	-1.0415	9.18	26.94
1077	Shell-Thick	SLU-STATICA	10.3657	1.0430	9.58	26.94
1077	Shell-Thick	SLU-STATICA	8.9251	0.5321	9.58	26.24
1077	Shell-Thick	SLU-STATICA	7.7163	-2.0091	9.18	26.24
1077	Shell-Thick	SLU-SISMICA	14.5133	1.9714	15.40	42.74
1077	Shell-Thick	SLU-SISMICA	16.4777	5.3331	15.82	42.74
1077	Shell-Thick	SLU-SISMICA	14.0876	4.4114	15.82	42.01
1077	Shell-Thick	SLU-SISMICA	12.2185	0.4003	15.40	42.01
1077	Shell-Thick	SLE-RARA	6.6175	-0.9393	6.64	19.62
1077	Shell-Thick	SLE-RARA	7.5499	0.5766	6.95	19.62
1077	Shell-Thick	SLE-RARA	6.5057	0.2099	6.95	19.10
1077	Shell-Thick	SLE-RARA	5.6226	-1.6424	6.64	19.10
1077	Shell-Thick	SLE-FREQ.	6.0086	-1.1638	5.97	17.84
1077	Shell-Thick	SLE-FREQ.	6.8615	0.2098	6.26	17.84
1077	Shell-Thick	SLE-FREQ.	5.9210	-0.1141	6.26	17.33
1077	Shell-Thick	SLE-FREQ.	5.1140	-1.7999	5.97	17.33
1077	Shell-Thick	SLE-QP	4.1820	-1.8371	3.94	12.49
1077	Shell-Thick	SLE-QP	4.7961	-0.8906	4.21	12.49
1077	Shell-Thick	SLE-QP	4.1671	-1.0861	4.21	12.03
1077	Shell-Thick	SLE-QP	3.5881	-2.2724	3.94	12.03
1078	Shell-Thick	SLU-STATICA	10.3903	1.6900	9.71	31.01
1078	Shell-Thick	SLU-STATICA	11.6262	4.1178	10.14	31.01
1078	Shell-Thick	SLU-STATICA	10.1022	2.9675	10.14	30.27
1078	Shell-Thick	SLU-STATICA	8.9362	0.0638	9.71	30.27
1078	Shell-Thick	SLU-SISMICA	16.4990	6.2552	16.02	47.88
1078	Shell-Thick	SLU-SISMICA	18.3779	10.0478	16.44	47.88

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1078	Shell-Thick	SLU-SISMICA	15.8920	8.1991	16.44	47.16
1078	Shell-Thick	SLU-SISMICA	14.1132	3.7239	16.02	47.16
1078	Shell-Thick	SLE-RARA	7.5688	1.0531	7.04	22.66
1078	Shell-Thick	SLE-RARA	8.4732	2.8248	7.37	22.66
1078	Shell-Thick	SLE-RARA	7.3664	1.9879	7.37	22.10
1078	Shell-Thick	SLE-RARA	6.5133	-0.1340	7.04	22.10
1078	Shell-Thick	SLE-FREQ.	6.8802	0.6520	6.35	20.72
1078	Shell-Thick	SLE-FREQ.	7.7095	2.2678	6.67	20.72
1078	Shell-Thick	SLE-FREQ.	6.7089	1.5089	6.67	20.17
1078	Shell-Thick	SLE-FREQ.	5.9273	-0.4315	6.35	20.17
1078	Shell-Thick	SLE-QP	4.8143	-0.5515	4.27	14.88
1078	Shell-Thick	SLE-QP	5.4181	0.5968	4.57	14.88
1078	Shell-Thick	SLE-QP	4.7366	0.0721	4.57	14.37
1078	Shell-Thick	SLE-QP	4.1692	-1.3240	4.27	14.37
1079	Shell-Thick	SLU-STATICA	11.6634	4.3411	10.16	35.14
1079	Shell-Thick	SLU-STATICA	12.8250	6.6375	10.52	35.14
1079	Shell-Thick	SLU-STATICA	11.2516	6.1061	10.52	34.43
1079	Shell-Thick	SLU-STATICA	10.1349	3.0930	10.16	34.43
1079	Shell-Thick	SLU-SISMICA	18.4198	10.3476	16.48	53.03
1079	Shell-Thick	SLU-SISMICA	20.1661	13.8540	16.80	53.03
1079	Shell-Thick	SLU-SISMICA	17.6374	12.9695	16.80	52.41
1079	Shell-Thick	SLU-SISMICA	15.9559	8.4285	16.48	52.41
1079	Shell-Thick	SLE-RARA	8.5011	2.9902	7.38	25.73
1079	Shell-Thick	SLE-RARA	9.3522	4.6699	7.66	25.73
1079	Shell-Thick	SLE-RARA	8.2076	4.2849	7.66	25.19
1079	Shell-Thick	SLE-RARA	7.3896	2.0778	7.38	25.19
1079	Shell-Thick	SLE-FREQ.	7.7363	2.4228	6.68	23.63
1079	Shell-Thick	SLE-FREQ.	8.5183	3.9617	6.95	23.63
1079	Shell-Thick	SLE-FREQ.	7.4805	3.6152	6.95	23.09
1079	Shell-Thick	SLE-FREQ.	6.7290	1.5881	6.68	23.09
1079	Shell-Thick	SLE-QP	5.4417	0.7208	4.58	17.31
1079	Shell-Thick	SLE-QP	6.0167	1.8371	4.84	17.31
1079	Shell-Thick	SLE-QP	5.2990	1.6061	4.84	16.80
1079	Shell-Thick	SLE-QP	4.7473	0.1190	4.58	16.80
1080	Shell-Thick	SLU-STATICA	-0.5060	-9.3223	7.14	-4.10
1080	Shell-Thick	SLU-STATICA	0.0873	-9.3977	6.78	-4.10
1080	Shell-Thick	SLU-STATICA	-0.9200	-8.5950	6.78	-3.48
1080	Shell-Thick	SLU-STATICA	-1.5879	-8.0112	7.14	-3.48
1080	Shell-Thick	SLU-SISMICA	-1.6879	-14.9972	9.90	-4.38
1080	Shell-Thick	SLU-SISMICA	-0.7825	-14.9769	9.85	-4.38
1080	Shell-Thick	SLU-SISMICA	-2.2062	-13.5102	9.85	-4.30
1080	Shell-Thick	SLU-SISMICA	-3.2280	-12.7350	9.90	-4.30
1080	Shell-Thick	SLE-RARA	-0.3245	-6.7811	5.27	-3.09
1080	Shell-Thick	SLE-RARA	0.1095	-6.8430	4.99	-3.09
1080	Shell-Thick	SLE-RARA	-0.6331	-6.2679	4.99	-2.60
1080	Shell-Thick	SLE-RARA	-1.1215	-5.8350	5.27	-2.60
1080	Shell-Thick	SLE-FREQ.	-0.2194	-6.1475	4.92	-2.99
1080	Shell-Thick	SLE-FREQ.	0.1783	-6.2158	4.61	-2.99
1080	Shell-Thick	SLE-FREQ.	-0.5117	-5.7094	4.61	-2.46
1080	Shell-Thick	SLE-FREQ.	-0.9591	-5.3030	4.92	-2.46
1080	Shell-Thick	SLE-QP	0.0960	-4.2468	3.85	-2.69
1080	Shell-Thick	SLE-QP	0.3847	-4.3341	3.49	-2.69
1080	Shell-Thick	SLE-QP	-0.1478	-4.0340	3.49	-2.07
1080	Shell-Thick	SLE-QP	-0.4717	-3.7068	3.85	-2.07
1081	Shell-Thick	SLU-STATICA	0.1322	-8.4769	6.94	-3.58
1081	Shell-Thick	SLU-STATICA	-0.1377	-8.7769	6.80	-3.58
1081	Shell-Thick	SLU-STATICA	-1.1683	-9.4872	6.80	-3.34
1081	Shell-Thick	SLU-STATICA	-0.8988	-9.1850	6.94	-3.34
1081	Shell-Thick	SLU-SISMICA	-0.7045	-13.5913	10.07	-2.90
1081	Shell-Thick	SLU-SISMICA	-1.0295	-13.8504	10.25	-2.90
1081	Shell-Thick	SLU-SISMICA	-2.5533	-14.8973	10.25	-3.20
1081	Shell-Thick	SLU-SISMICA	-2.2301	-14.6253	10.07	-3.20
1081	Shell-Thick	SLE-RARA	0.1419	-6.1685	5.10	-2.75
1081	Shell-Thick	SLE-RARA	-0.0599	-6.3978	4.98	-2.75
1081	Shell-Thick	SLE-RARA	-0.8163	-6.9192	4.98	-2.54
1081	Shell-Thick	SLE-RARA	-0.6147	-6.6887	5.10	-2.54
1081	Shell-Thick	SLE-FREQ.	0.2071	-5.5961	4.72	-2.73
1081	Shell-Thick	SLE-FREQ.	0.0148	-5.8231	4.58	-2.73
1081	Shell-Thick	SLE-FREQ.	-0.6823	-6.3040	4.58	-2.49

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1081	Shell-Thick	SLE-FREQ.	-0.4901	-6.0767	4.72	-2.49
1081	Shell-Thick	SLE-QP	0.4029	-3.8789	3.57	-2.70
1081	Shell-Thick	SLE-QP	0.2391	-4.0990	3.36	-2.70
1081	Shell-Thick	SLE-QP	-0.2805	-4.4584	3.36	-2.33
1081	Shell-Thick	SLE-QP	-0.1164	-4.2407	3.57	-2.33
1082	Shell-Thick	SLU-STATICA	-0.1134	-9.5561	6.59	-2.90
1082	Shell-Thick	SLU-STATICA	0.4497	-9.6122	6.46	-2.90
1082	Shell-Thick	SLU-STATICA	-0.5021	-8.7744	6.46	-2.68
1082	Shell-Thick	SLU-STATICA	-1.1200	-8.3449	6.59	-2.68
1082	Shell-Thick	SLU-SISMICA	-0.9903	-15.1890	9.89	-1.21
1082	Shell-Thick	SLU-SISMICA	-0.0832	-15.0134	10.07	-1.21
1082	Shell-Thick	SLU-SISMICA	-1.5372	-13.6617	10.07	-1.52
1082	Shell-Thick	SLU-SISMICA	-2.5303	-13.2482	9.89	-1.52
1082	Shell-Thick	SLE-RARA	-0.0423	-6.9603	4.83	-2.28
1082	Shell-Thick	SLE-RARA	0.3673	-7.0144	4.72	-2.28
1082	Shell-Thick	SLE-RARA	-0.3289	-6.4052	4.72	-2.09
1082	Shell-Thick	SLE-RARA	-0.7784	-6.0790	4.83	-2.09
1082	Shell-Thick	SLE-FREQ.	0.0308	-6.3258	4.44	-2.36
1082	Shell-Thick	SLE-FREQ.	0.4021	-6.3976	4.31	-2.36
1082	Shell-Thick	SLE-FREQ.	-0.2358	-5.8456	4.31	-2.13
1082	Shell-Thick	SLE-FREQ.	-0.6433	-5.5261	4.44	-2.13
1082	Shell-Thick	SLE-QP	0.2501	-4.4222	3.27	-2.61
1082	Shell-Thick	SLE-QP	0.5063	-4.5471	3.07	-2.61
1082	Shell-Thick	SLE-QP	0.0438	-4.1669	3.07	-2.27
1082	Shell-Thick	SLE-QP	-0.2380	-3.8676	3.27	-2.27
1083	Shell-Thick	SLU-STATICA	0.4757	-8.8064	6.62	-2.15
1083	Shell-Thick	SLU-STATICA	0.4853	-8.9919	6.55	-2.15
1083	Shell-Thick	SLU-STATICA	-0.5031	-9.6750	6.55	-2.03
1083	Shell-Thick	SLU-STATICA	-0.5115	-9.4971	6.62	-2.03
1083	Shell-Thick	SLU-SISMICA	-0.0424	-13.8632	10.28	0.51
1083	Shell-Thick	SLU-SISMICA	0.0908	-13.8335	10.50	0.51
1083	Shell-Thick	SLU-SISMICA	-1.4679	-14.9050	10.50	0.12
1083	Shell-Thick	SLU-SISMICA	-1.6016	-14.9301	10.28	0.12
1083	Shell-Thick	SLE-RARA	0.3863	-6.4210	4.83	-1.76
1083	Shell-Thick	SLE-RARA	0.3874	-6.5723	4.77	-1.76
1083	Shell-Thick	SLE-RARA	-0.3331	-7.0705	4.77	-1.65
1083	Shell-Thick	SLE-RARA	-0.3333	-6.9256	4.83	-1.65
1083	Shell-Thick	SLE-FREQ.	0.4194	-5.8471	4.41	-1.93
1083	Shell-Thick	SLE-FREQ.	0.4102	-6.0124	4.32	-1.93
1083	Shell-Thick	SLE-FREQ.	-0.2456	-6.4664	4.32	-1.78
1083	Shell-Thick	SLE-FREQ.	-0.2355	-6.3084	4.41	-1.78
1083	Shell-Thick	SLE-QP	0.5185	-4.1255	3.15	-2.46
1083	Shell-Thick	SLE-QP	0.4788	-4.3325	3.00	-2.46
1083	Shell-Thick	SLE-QP	0.0169	-4.6540	3.00	-2.19
1083	Shell-Thick	SLE-QP	0.0579	-4.4566	3.15	-2.19
1084	Shell-Thick	SLU-STATICA	0.4943	-9.7481	6.36	-1.16
1084	Shell-Thick	SLU-STATICA	1.0371	-9.7404	6.35	-1.16
1084	Shell-Thick	SLU-STATICA	0.1038	-8.9739	6.35	-1.13
1084	Shell-Thick	SLU-STATICA	-0.4798	-8.7577	6.36	-1.13
1084	Shell-Thick	SLU-SISMICA	0.1010	-15.1163	10.19	2.53
1084	Shell-Thick	SLU-SISMICA	1.0237	-14.7259	10.47	2.53
1084	Shell-Thick	SLU-SISMICA	-0.4931	-13.6118	10.47	2.07
1084	Shell-Thick	SLU-SISMICA	-1.4817	-13.6399	10.19	2.07
1084	Shell-Thick	SLE-RARA	0.3941	-7.1190	4.63	-1.06
1084	Shell-Thick	SLE-RARA	0.7865	-7.1323	4.61	-1.06
1084	Shell-Thick	SLE-RARA	0.1084	-6.5688	4.61	-1.02
1084	Shell-Thick	SLE-RARA	-0.3137	-6.3928	4.63	-1.02
1084	Shell-Thick	SLE-FREQ.	0.4167	-6.5023	4.20	-1.34
1084	Shell-Thick	SLE-FREQ.	0.7682	-6.5467	4.15	-1.34
1084	Shell-Thick	SLE-FREQ.	0.1548	-6.0256	4.15	-1.26
1084	Shell-Thick	SLE-FREQ.	-0.2236	-5.8339	4.20	-1.26
1084	Shell-Thick	SLE-QP	0.4845	-4.6522	2.92	-2.17
1084	Shell-Thick	SLE-QP	0.7134	-4.7901	2.80	-2.17
1084	Shell-Thick	SLE-QP	0.2940	-4.3963	2.80	-1.97
1084	Shell-Thick	SLE-QP	0.0466	-4.1574	2.92	-1.97
1085	Shell-Thick	SLU-STATICA	1.0491	-9.2604	6.44	0.56
1085	Shell-Thick	SLU-STATICA	1.8721	-9.1744	6.57	0.56
1085	Shell-Thick	SLU-STATICA	0.8970	-9.4831	6.57	0.44
1085	Shell-Thick	SLU-STATICA	0.0694	-9.5657	6.44	0.44



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1085	Shell-Thick	SLU-SISMICA	1.0361	-14.1579	10.58	5.74
1085	Shell-Thick	SLU-SISMICA	2.5385	-13.2288	11.26	5.74
1085	Shell-Thick	SLU-SISMICA	0.9088	-13.8053	11.26	5.14
1085	Shell-Thick	SLU-SISMICA	-0.6136	-14.7201	10.58	5.14
1085	Shell-Thick	SLE-RARA	0.7956	-6.7729	4.68	0.16
1085	Shell-Thick	SLE-RARA	1.3853	-6.7498	4.75	0.16
1085	Shell-Thick	SLE-RARA	0.6791	-6.9703	4.75	9.889E-02
1085	Shell-Thick	SLE-RARA	0.0866	-6.9915	4.68	9.889E-02
1085	Shell-Thick	SLE-FREQ.	0.7771	-6.2035	4.22	-0.27
1085	Shell-Thick	SLE-FREQ.	1.2964	-6.2502	4.25	-0.27
1085	Shell-Thick	SLE-FREQ.	0.6614	-6.4432	4.25	-0.29
1085	Shell-Thick	SLE-FREQ.	0.1406	-6.3955	4.22	-0.29
1085	Shell-Thick	SLE-QP	0.7214	-4.4950	2.86	-1.56
1085	Shell-Thick	SLE-QP	1.0296	-4.7514	2.74	-1.56
1085	Shell-Thick	SLE-QP	0.6082	-4.8620	2.74	-1.46
1085	Shell-Thick	SLE-QP	0.3026	-4.6076	2.86	-1.46
1086	Shell-Thick	SLU-STATICA	1.8587	-9.7724	6.45	2.66
1086	Shell-Thick	SLU-STATICA	2.4769	-9.5114	6.60	2.66
1086	Shell-Thick	SLU-STATICA	1.5038	-8.8882	6.60	2.40
1086	Shell-Thick	SLU-STATICA	0.8737	-9.0679	6.45	2.40
1086	Shell-Thick	SLU-SISMICA	2.5076	-14.3082	11.04	9.30
1086	Shell-Thick	SLU-SISMICA	3.5742	-13.4526	11.44	9.30
1086	Shell-Thick	SLU-SISMICA	1.8986	-12.6714	11.44	8.62
1086	Shell-Thick	SLU-SISMICA	0.8099	-13.3750	11.04	8.62
1086	Shell-Thick	SLE-RARA	1.3761	-7.1789	4.66	1.69
1086	Shell-Thick	SLE-RARA	1.8222	-7.0108	4.76	1.69
1086	Shell-Thick	SLE-RARA	1.1198	-6.5464	4.76	1.51
1086	Shell-Thick	SLE-RARA	0.6652	-6.6564	4.66	1.51
1086	Shell-Thick	SLE-FREQ.	1.2888	-6.6292	4.17	1.10
1086	Shell-Thick	SLE-FREQ.	1.6871	-6.5140	4.24	1.10
1086	Shell-Thick	SLE-FREQ.	1.0598	-6.0741	4.24	0.96
1086	Shell-Thick	SLE-FREQ.	0.6541	-6.1384	4.17	0.96
1086	Shell-Thick	SLE-QP	1.0271	-4.9799	2.69	-0.66
1086	Shell-Thick	SLE-QP	1.2818	-5.0238	2.70	-0.66
1086	Shell-Thick	SLE-QP	0.8796	-4.6572	2.70	-0.68
1086	Shell-Thick	SLE-QP	0.6206	-4.5841	2.69	-0.68
1087	Shell-Thick	SLU-STATICA	2.4692	-9.0383	6.72	4.33
1087	Shell-Thick	SLU-STATICA	3.1617	-8.7181	6.90	4.33
1087	Shell-Thick	SLU-STATICA	2.1338	-9.2441	6.90	4.02
1087	Shell-Thick	SLU-STATICA	1.4539	-9.6497	6.72	4.02
1087	Shell-Thick	SLU-SISMICA	3.5510	-12.8554	11.60	11.96
1087	Shell-Thick	SLU-SISMICA	4.7420	-11.8982	12.01	11.96
1087	Shell-Thick	SLU-SISMICA	2.9628	-12.8794	12.01	11.26
1087	Shell-Thick	SLU-SISMICA	1.7873	-13.9414	11.60	11.26
1087	Shell-Thick	SLE-RARA	1.8171	-6.6585	4.85	2.90
1087	Shell-Thick	SLE-RARA	2.3170	-6.4476	4.97	2.90
1087	Shell-Thick	SLE-RARA	1.5756	-6.8235	4.97	2.68
1087	Shell-Thick	SLE-RARA	1.0850	-7.0981	4.85	2.68
1087	Shell-Thick	SLE-FREQ.	1.6834	-6.1806	4.33	2.20
1087	Shell-Thick	SLE-FREQ.	2.1300	-6.0273	4.43	2.20
1087	Shell-Thick	SLE-FREQ.	1.4686	-6.3565	4.43	2.02
1087	Shell-Thick	SLE-FREQ.	1.0309	-6.5704	4.33	2.02
1087	Shell-Thick	SLE-QP	1.2823	-4.7471	2.76	0.11
1087	Shell-Thick	SLE-QP	1.5690	-4.7664	2.80	0.11
1087	Shell-Thick	SLE-QP	1.1477	-4.9555	2.80	3.711E-02
1087	Shell-Thick	SLE-QP	0.8684	-4.9873	2.76	3.711E-02
1088	Shell-Thick	SLU-STATICA	3.1418	-9.2448	6.80	6.24
1088	Shell-Thick	SLU-STATICA	3.8710	-8.7371	7.07	6.24
1088	Shell-Thick	SLU-STATICA	2.8283	-8.4287	7.07	5.78
1088	Shell-Thick	SLU-STATICA	2.1037	-8.9673	6.80	5.78
1088	Shell-Thick	SLU-SISMICA	4.6979	-12.8172	11.85	14.87
1088	Shell-Thick	SLU-SISMICA	5.9393	-11.5680	12.34	14.87
1088	Shell-Thick	SLU-SISMICA	4.1235	-11.3081	12.34	14.02
1088	Shell-Thick	SLU-SISMICA	2.8845	-12.5725	11.85	14.02
1088	Shell-Thick	SLE-RARA	2.3032	-6.8271	4.90	4.30
1088	Shell-Thick	SLE-RARA	2.8301	-6.4793	5.09	4.30
1088	Shell-Thick	SLE-RARA	2.0785	-6.2433	5.09	3.97
1088	Shell-Thick	SLE-RARA	1.5552	-6.6152	4.90	3.97
1088	Shell-Thick	SLE-FREQ.	2.1185	-6.3652	4.37	3.49



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1088	Shell-Thick	SLE-FREQ.	2.5904	-6.0869	4.53	3.49
1088	Shell-Thick	SLE-FREQ.	1.9208	-5.8527	4.53	3.20
1088	Shell-Thick	SLE-FREQ.	1.4527	-6.1558	4.37	3.20
1088	Shell-Thick	SLE-QP	1.5645	-4.9795	2.76	1.04
1088	Shell-Thick	SLE-QP	1.8711	-4.9097	2.86	1.04
1088	Shell-Thick	SLE-QP	1.4478	-4.6810	2.86	0.87
1088	Shell-Thick	SLE-QP	1.1451	-4.7777	2.76	0.87
1089	Shell-Thick	SLU-STATICA	3.8609	-8.4700	7.14	8.35
1089	Shell-Thick	SLU-STATICA	4.7691	-7.8327	7.45	8.35
1089	Shell-Thick	SLU-STATICA	3.6647	-8.2375	7.45	7.82
1089	Shell-Thick	SLU-STATICA	2.7761	-9.0073	7.14	7.82
1089	Shell-Thick	SLU-SISMICA	5.9089	-11.2791	12.44	17.97
1089	Shell-Thick	SLU-SISMICA	7.4158	-9.8409	12.95	17.97
1089	Shell-Thick	SLU-SISMICA	5.4976	-10.6726	12.95	17.09
1089	Shell-Thick	SLU-SISMICA	4.0164	-12.2844	12.44	17.09
1089	Shell-Thick	SLE-RARA	2.8235	-6.2780	5.15	5.85
1089	Shell-Thick	SLE-RARA	3.4818	-5.8351	5.37	5.85
1089	Shell-Thick	SLE-RARA	2.6856	-6.1205	5.37	5.47
1089	Shell-Thick	SLE-RARA	2.0417	-6.6619	5.15	5.47
1089	Shell-Thick	SLE-FREQ.	2.5856	-5.8924	4.59	4.91
1089	Shell-Thick	SLE-FREQ.	3.1785	-5.5262	4.78	4.91
1089	Shell-Thick	SLE-FREQ.	2.4687	-5.7695	4.78	4.57
1089	Shell-Thick	SLE-FREQ.	1.8895	-6.2284	4.59	4.57
1089	Shell-Thick	SLE-QP	1.8718	-4.7354	2.90	2.11
1089	Shell-Thick	SLE-QP	2.2684	-4.5995	3.03	2.11
1089	Shell-Thick	SLE-QP	1.8182	-4.7164	3.03	1.88
1089	Shell-Thick	SLE-QP	1.4326	-4.9277	2.90	1.88
1090	Shell-Thick	SLU-STATICA	4.7479	-8.1561	7.40	10.71
1090	Shell-Thick	SLU-STATICA	5.6881	-7.3188	7.79	10.71
1090	Shell-Thick	SLU-STATICA	4.5392	-7.2835	7.79	10.05
1090	Shell-Thick	SLU-STATICA	3.6183	-8.2519	7.40	10.05
1090	Shell-Thick	SLU-SISMICA	7.3671	-10.4451	12.87	21.34
1090	Shell-Thick	SLU-SISMICA	8.9176	-8.7153	13.46	21.34
1090	Shell-Thick	SLU-SISMICA	6.9297	-8.8876	13.46	20.32
1090	Shell-Thick	SLU-SISMICA	5.4036	-10.7819	12.87	20.32
1090	Shell-Thick	SLE-RARA	3.4672	-6.0661	5.33	7.59
1090	Shell-Thick	SLE-RARA	4.1492	-5.4761	5.62	7.59
1090	Shell-Thick	SLE-RARA	3.3204	-5.4390	5.62	7.10
1090	Shell-Thick	SLE-RARA	2.6528	-6.1267	5.33	7.10
1090	Shell-Thick	SLE-FREQ.	3.1664	-5.7284	4.75	6.53
1090	Shell-Thick	SLE-FREQ.	3.7815	-5.2264	5.01	6.53
1090	Shell-Thick	SLE-FREQ.	3.0421	-5.1731	5.01	6.08
1090	Shell-Thick	SLE-FREQ.	2.4407	-5.7677	4.75	6.08
1090	Shell-Thick	SLE-QP	2.2642	-4.7154	3.01	3.35
1090	Shell-Thick	SLE-QP	2.6784	-4.4770	3.20	3.35
1090	Shell-Thick	SLE-QP	2.2071	-4.3753	3.20	3.02
1090	Shell-Thick	SLE-QP	1.8043	-4.6908	3.01	3.02
1091	Shell-Thick	SLU-STATICA	5.6802	-7.1348	7.84	13.30
1091	Shell-Thick	SLU-STATICA	6.7760	-6.1095	8.29	13.30
1091	Shell-Thick	SLU-STATICA	5.5517	-6.5558	8.29	12.53
1091	Shell-Thick	SLU-STATICA	4.4850	-7.7781	7.84	12.53
1091	Shell-Thick	SLU-SISMICA	8.8881	-8.5411	13.54	24.94
1091	Shell-Thick	SLU-SISMICA	10.6589	-6.5535	14.17	24.94
1091	Shell-Thick	SLU-SISMICA	8.5601	-7.4581	14.17	23.84
1091	Shell-Thick	SLU-SISMICA	6.8287	-9.7140	13.54	23.84
1091	Shell-Thick	SLE-RARA	4.1443	-5.3362	5.66	9.50
1091	Shell-Thick	SLE-RARA	4.9409	-4.6073	5.98	9.50
1091	Shell-Thick	SLE-RARA	4.0569	-4.9226	5.98	8.93
1091	Shell-Thick	SLE-RARA	3.2817	-5.7973	5.66	8.93
1091	Shell-Thick	SLE-FREQ.	3.7785	-5.0891	5.05	8.31
1091	Shell-Thick	SLE-FREQ.	4.5000	-4.4572	5.35	8.31
1091	Shell-Thick	SLE-FREQ.	3.7096	-4.7271	5.35	7.78
1091	Shell-Thick	SLE-FREQ.	3.0081	-5.4952	5.05	7.78
1091	Shell-Thick	SLE-QP	2.6810	-4.3477	3.23	4.74
1091	Shell-Thick	SLE-QP	3.1772	-4.0070	3.46	4.74
1091	Shell-Thick	SLE-QP	2.6679	-4.1405	3.46	4.34
1091	Shell-Thick	SLE-QP	2.1876	-4.5891	3.23	4.34
1092	Shell-Thick	SLU-STATICA	6.7628	-6.2862	8.26	16.16
1092	Shell-Thick	SLU-STATICA	7.9532	-5.0350	8.78	16.16

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1092	Shell-Thick	SLU-STATICA	6.6574	-5.2173	8.78	15.26
1092	Shell-Thick	SLU-STATICA	5.5009	-6.6988	8.26	15.26
1092	Shell-Thick	SLU-SISMICA	10.6206	-6.9229	14.14	28.82
1092	Shell-Thick	SLU-SISMICA	12.5247	-4.6250	14.84	28.82
1092	Shell-Thick	SLU-SISMICA	10.3277	-5.1224	14.84	27.60
1092	Shell-Thick	SLU-SISMICA	8.4696	-7.7326	14.14	27.60
1092	Shell-Thick	SLE-RARA	4.9323	-4.7316	5.97	11.61
1092	Shell-Thick	SLE-RARA	5.7987	-3.8356	6.35	11.61
1092	Shell-Thick	SLE-RARA	4.8617	-3.9580	6.35	10.95
1092	Shell-Thick	SLE-RARA	4.0203	-5.0244	5.97	10.95
1092	Shell-Thick	SLE-FREQ.	4.4936	-4.5626	5.34	10.29
1092	Shell-Thick	SLE-FREQ.	5.2801	-3.7747	5.70	10.29
1092	Shell-Thick	SLE-FREQ.	4.4402	-3.8682	5.70	9.66
1092	Shell-Thick	SLE-FREQ.	3.6772	-4.8156	5.34	9.66
1092	Shell-Thick	SLE-QP	3.1777	-4.0557	3.45	6.30
1092	Shell-Thick	SLE-QP	3.7241	-3.5921	3.74	6.30
1092	Shell-Thick	SLE-QP	3.1757	-3.5989	3.74	5.81
1092	Shell-Thick	SLE-QP	2.6480	-4.1891	3.45	5.81
1093	Shell-Thick	SLU-STATICA	7.9566	-4.7893	8.84	19.28
1093	Shell-Thick	SLU-STATICA	9.2558	-3.2938	9.44	19.28
1093	Shell-Thick	SLU-STATICA	7.8645	-3.9355	9.44	18.25
1093	Shell-Thick	SLU-STATICA	6.6056	-5.7053	8.84	18.25
1093	Shell-Thick	SLU-SISMICA	12.5106	-4.3422	14.93	32.98
1093	Shell-Thick	SLU-SISMICA	14.5585	-1.7221	15.69	32.98
1093	Shell-Thick	SLU-SISMICA	12.2330	-2.9043	15.69	31.66
1093	Shell-Thick	SLU-SISMICA	10.2414	-5.9070	14.93	31.66
1093	Shell-Thick	SLE-RARA	5.8021	-3.6513	6.40	13.93
1093	Shell-Thick	SLE-RARA	6.7493	-2.5741	6.84	13.93
1093	Shell-Thick	SLE-RARA	5.7416	-3.0335	6.84	13.16
1093	Shell-Thick	SLE-RARA	4.8242	-4.3130	6.40	13.16
1093	Shell-Thick	SLE-FREQ.	5.2848	-3.5980	5.74	12.46
1093	Shell-Thick	SLE-FREQ.	6.1471	-2.6398	6.15	12.46
1093	Shell-Thick	SLE-FREQ.	5.2410	-3.0434	6.15	11.74
1093	Shell-Thick	SLE-FREQ.	4.4064	-4.1901	5.74	11.74
1093	Shell-Thick	SLE-QP	3.7328	-3.4382	3.76	8.05
1093	Shell-Thick	SLE-QP	4.3405	-2.8369	4.11	8.05
1093	Shell-Thick	SLE-QP	3.7393	-3.0733	4.11	7.46
1093	Shell-Thick	SLE-QP	3.1532	-3.8214	3.76	7.46
1094	Shell-Thick	SLU-STATICA	9.2606	-3.3352	9.43	22.70
1094	Shell-Thick	SLU-STATICA	10.7159	-1.5804	10.09	22.70
1094	Shell-Thick	SLU-STATICA	9.2265	-1.9934	10.09	21.54
1094	Shell-Thick	SLU-STATICA	7.8210	-4.0872	9.43	21.54
1094	Shell-Thick	SLU-SISMICA	14.5463	-1.8673	15.68	37.46
1094	Shell-Thick	SLU-SISMICA	16.8135	1.0917	16.51	37.46
1094	Shell-Thick	SLU-SISMICA	14.3631	0.2765	16.51	36.02
1094	Shell-Thick	SLU-SISMICA	12.1656	-3.1571	15.68	36.02
1094	Shell-Thick	SLE-RARA	6.7538	-2.6004	6.83	16.46
1094	Shell-Thick	SLE-RARA	7.8161	-1.3306	7.33	16.46
1094	Shell-Thick	SLE-RARA	6.7353	-1.6236	7.33	15.60
1094	Shell-Thick	SLE-RARA	5.7098	-3.1434	6.83	15.60
1094	Shell-Thick	SLE-FREQ.	6.1528	-2.6569	6.15	14.85
1094	Shell-Thick	SLE-FREQ.	7.1222	-1.5174	6.62	14.85
1094	Shell-Thick	SLE-FREQ.	6.1471	-1.7701	6.62	14.03
1094	Shell-Thick	SLE-FREQ.	5.2120	-3.1423	6.15	14.03
1094	Shell-Thick	SLE-QP	4.3501	-2.8265	4.10	9.99
1094	Shell-Thick	SLE-QP	5.0408	-2.0778	4.50	9.99
1094	Shell-Thick	SLE-QP	4.3825	-2.2096	4.50	9.30
1094	Shell-Thick	SLE-QP	3.7185	-3.1392	4.10	9.30
1095	Shell-Thick	SLU-STATICA	10.7444	-1.1325	10.17	26.43
1095	Shell-Thick	SLU-STATICA	12.2606	0.9282	10.92	26.43
1095	Shell-Thick	SLU-STATICA	10.6510	-0.0645	10.92	25.13
1095	Shell-Thick	SLU-STATICA	9.1884	-2.4896	10.17	25.13
1095	Shell-Thick	SLU-SISMICA	16.8368	1.7000	16.64	42.29
1095	Shell-Thick	SLU-SISMICA	19.1711	5.0520	17.55	42.29
1095	Shell-Thick	SLU-SISMICA	16.5686	3.3893	17.55	40.72
1095	Shell-Thick	SLU-SISMICA	14.3103	-0.4792	16.64	40.72
1095	Shell-Thick	SLE-RARA	7.8378	-0.9992	7.39	19.24
1095	Shell-Thick	SLE-RARA	8.9460	0.4979	7.95	19.24
1095	Shell-Thick	SLE-RARA	7.7759	-0.2209	7.95	18.27

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1095	Shell-Thick	SLE-RARA	6.7072	-1.9866	7.39	18.27
1095	Shell-Thick	SLE-FREQ.	7.1439	-1.2074	6.67	17.46
1095	Shell-Thick	SLE-FREQ.	8.1575	0.1467	7.21	17.46
1095	Shell-Thick	SLE-FREQ.	7.0978	-0.4993	7.21	16.54
1095	Shell-Thick	SLE-FREQ.	6.1209	-2.1028	6.67	16.54
1095	Shell-Thick	SLE-QP	5.0621	-1.8318	4.53	12.13
1095	Shell-Thick	SLE-QP	5.7921	-0.9068	4.99	12.13
1095	Shell-Thick	SLE-QP	5.0637	-1.3345	4.99	11.34
1095	Shell-Thick	SLE-QP	4.3620	-2.4516	4.53	11.34
1096	Shell-Thick	SLU-STATICA	12.2977	1.0647	10.92	30.51
1096	Shell-Thick	SLU-STATICA	14.0218	3.4228	11.74	30.51
1096	Shell-Thick	SLU-STATICA	12.2869	2.7138	11.74	29.09
1096	Shell-Thick	SLU-STATICA	10.6317	-0.1126	10.92	29.09
1096	Shell-Thick	SLU-SISMICA	19.2078	5.2025	17.55	47.49
1096	Shell-Thick	SLU-SISMICA	21.8324	8.9275	18.51	47.49
1096	Shell-Thick	SLU-SISMICA	19.0779	7.7283	18.51	45.82
1096	Shell-Thick	SLU-SISMICA	16.5514	3.3358	17.55	45.82
1096	Shell-Thick	SLE-RARA	8.9741	0.6006	7.95	22.27
1096	Shell-Thick	SLE-RARA	10.2357	2.3193	8.56	22.27
1096	Shell-Thick	SLE-RARA	8.9719	1.8065	8.56	21.21
1096	Shell-Thick	SLE-RARA	7.7611	-0.2571	7.95	21.21
1096	Shell-Thick	SLE-FREQ.	8.1850	0.2457	7.21	20.33
1096	Shell-Thick	SLE-FREQ.	9.3414	1.8097	7.79	20.33
1096	Shell-Thick	SLE-FREQ.	8.1926	1.3499	7.79	19.31
1096	Shell-Thick	SLE-FREQ.	7.0832	-0.5341	7.21	19.31
1096	Shell-Thick	SLE-QP	5.8175	-0.8189	4.98	14.49
1096	Shell-Thick	SLE-QP	6.6587	0.2810	5.49	14.49
1096	Shell-Thick	SLE-QP	5.8547	-0.0200	5.49	13.61
1096	Shell-Thick	SLE-QP	5.0497	-1.3653	4.98	13.61
1097	Shell-Thick	SLU-STATICA	14.0964	4.2678	11.86	34.67
1097	Shell-Thick	SLU-STATICA	15.5700	6.5873	12.65	34.67
1097	Shell-Thick	SLU-STATICA	13.7145	5.0358	12.65	33.13
1097	Shell-Thick	SLU-STATICA	12.2746	2.1806	11.86	33.13
1097	Shell-Thick	SLU-SISMICA	21.9269	10.1599	18.70	52.75
1097	Shell-Thick	SLU-SISMICA	24.1487	13.7346	19.60	52.75
1097	Shell-Thick	SLU-SISMICA	21.2513	11.3103	19.60	50.98
1097	Shell-Thick	SLU-SISMICA	19.0778	6.9682	18.70	50.98
1097	Shell-Thick	SLE-RARA	10.2912	2.9403	8.65	25.37
1097	Shell-Thick	SLE-RARA	11.3706	4.6354	9.24	25.37
1097	Shell-Thick	SLE-RARA	10.0165	3.5032	9.24	24.21
1097	Shell-Thick	SLE-RARA	8.9620	1.4138	8.65	24.21
1097	Shell-Thick	SLE-FREQ.	9.3940	2.3836	7.87	23.26
1097	Shell-Thick	SLE-FREQ.	10.3852	3.9337	8.44	23.26
1097	Shell-Thick	SLE-FREQ.	9.1501	2.9012	8.44	22.15
1097	Shell-Thick	SLE-FREQ.	8.1819	0.9855	7.87	22.15
1097	Shell-Thick	SLE-QP	6.7022	0.7134	5.55	16.93
1097	Shell-Thick	SLE-QP	7.4291	1.8287	6.04	16.93
1097	Shell-Thick	SLE-QP	6.5511	1.0951	6.04	15.96
1097	Shell-Thick	SLE-QP	5.8418	-0.2994	5.55	15.96
1098	Shell-Thick	SLU-STATICA	-0.1857	-9.0845	6.19	-3.38
1098	Shell-Thick	SLU-STATICA	0.4643	-9.1185	5.96	-3.38
1098	Shell-Thick	SLU-STATICA	-0.4115	-8.0631	5.96	-2.99
1098	Shell-Thick	SLU-STATICA	-1.1329	-7.5427	6.19	-2.99
1098	Shell-Thick	SLU-SISMICA	-1.2768	-14.4806	8.37	-3.25
1098	Shell-Thick	SLU-SISMICA	-0.2872	-14.3981	8.52	-3.25
1098	Shell-Thick	SLU-SISMICA	-1.4987	-12.5851	8.52	-3.51
1098	Shell-Thick	SLU-SISMICA	-2.5984	-11.9147	8.37	-3.51
1098	Shell-Thick	SLE-RARA	-0.0864	-6.6148	4.58	-2.57
1098	Shell-Thick	SLE-RARA	0.3893	-6.6464	4.39	-2.57
1098	Shell-Thick	SLE-RARA	-0.2577	-5.8844	4.39	-2.24
1098	Shell-Thick	SLE-RARA	-0.7854	-5.4976	4.58	-2.24
1098	Shell-Thick	SLE-FREQ.	0.0054	-6.0083	4.29	-2.51
1098	Shell-Thick	SLE-FREQ.	0.4414	-6.0486	4.07	-2.51
1098	Shell-Thick	SLE-FREQ.	-0.1620	-5.3677	4.07	-2.15
1098	Shell-Thick	SLE-FREQ.	-0.6456	-5.0027	4.29	-2.15
1098	Shell-Thick	SLE-QP	0.2809	-4.1886	3.41	-2.36
1098	Shell-Thick	SLE-QP	0.5979	-4.2553	3.12	-2.36
1098	Shell-Thick	SLE-QP	0.1251	-3.8176	3.12	-1.85
1098	Shell-Thick	SLE-QP	-0.2262	-3.5182	3.41	-1.85

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1099	Shell-Thick	SLU-STATICA	0.5020	-8.1932	6.13	-2.81
1099	Shell-Thick	SLU-STATICA	0.3452	-8.4323	6.09	-2.81
1099	Shell-Thick	SLU-STATICA	-0.5713	-9.0604	6.09	-2.74
1099	Shell-Thick	SLU-STATICA	-0.4150	-8.8174	6.13	-2.74
1099	Shell-Thick	SLU-SISMICA	-0.2206	-13.0247	8.75	-1.69
1099	Shell-Thick	SLU-SISMICA	-0.3647	-13.1889	9.07	-1.69
1099	Shell-Thick	SLU-SISMICA	-1.7004	-14.1007	9.07	-2.24
1099	Shell-Thick	SLU-SISMICA	-1.5582	-13.9229	8.75	-2.24
1099	Shell-Thick	SLE-RARA	0.4164	-5.9675	4.51	-2.18
1099	Shell-Thick	SLE-RARA	0.2969	-6.1525	4.47	-2.18
1099	Shell-Thick	SLE-RARA	-0.3766	-6.6143	4.47	-2.10
1099	Shell-Thick	SLE-RARA	-0.2575	-6.4269	4.51	-2.10
1099	Shell-Thick	SLE-FREQ.	0.4655	-5.4234	4.19	-2.22
1099	Shell-Thick	SLE-FREQ.	0.3479	-5.6099	4.11	-2.22
1099	Shell-Thick	SLE-FREQ.	-0.2746	-6.0370	4.11	-2.09
1099	Shell-Thick	SLE-FREQ.	-0.1572	-5.8489	4.19	-2.09
1099	Shell-Thick	SLE-QP	0.6129	-3.7908	3.21	-2.33
1099	Shell-Thick	SLE-QP	0.5010	-3.9821	3.05	-2.33
1099	Shell-Thick	SLE-QP	0.0317	-4.3051	3.05	-2.06
1099	Shell-Thick	SLE-QP	0.1437	-4.1148	3.21	-2.06
1100	Shell-Thick	SLU-STATICA	0.3618	-9.3488	5.86	-2.05
1100	Shell-Thick	SLU-STATICA	0.9681	-9.3545	5.84	-2.05
1100	Shell-Thick	SLU-STATICA	0.1158	-8.2585	5.84	-2.03
1100	Shell-Thick	SLU-STATICA	-0.5409	-7.9088	5.86	-2.03
1100	Shell-Thick	SLU-SISMICA	-0.3371	-14.7065	8.68	9.468E-02
1100	Shell-Thick	SLU-SISMICA	0.6363	-14.4549	9.02	9.468E-02
1100	Shell-Thick	SLU-SISMICA	-0.6519	-12.7488	9.02	-0.49
1100	Shell-Thick	SLU-SISMICA	-1.7039	-12.4627	8.68	-0.49
1100	Shell-Thick	SLE-RARA	0.3090	-6.8170	4.30	-1.66
1100	Shell-Thick	SLE-RARA	0.7501	-6.8341	4.27	-1.66
1100	Shell-Thick	SLE-RARA	0.1260	-6.0340	4.27	-1.62
1100	Shell-Thick	SLE-RARA	-0.3519	-5.7659	4.30	-1.62
1100	Shell-Thick	SLE-FREQ.	0.3588	-6.2086	3.96	-1.80
1100	Shell-Thick	SLE-FREQ.	0.7589	-6.2464	3.90	-1.80
1100	Shell-Thick	SLE-FREQ.	0.1860	-5.5162	3.90	-1.70
1100	Shell-Thick	SLE-FREQ.	-0.2477	-5.2494	3.96	-1.70
1100	Shell-Thick	SLE-QP	0.5082	-4.3835	2.94	-2.21
1100	Shell-Thick	SLE-QP	0.7852	-4.4834	2.80	-2.21
1100	Shell-Thick	SLE-QP	0.3660	-3.9629	2.80	-1.96
1100	Shell-Thick	SLE-QP	0.0651	-3.7002	2.94	-1.96
1101	Shell-Thick	SLU-STATICA	0.9870	-8.5551	6.00	-1.20
1101	Shell-Thick	SLU-STATICA	1.1885	-8.6661	6.05	-1.20
1101	Shell-Thick	SLU-STATICA	0.2849	-9.2442	6.05	-1.28
1101	Shell-Thick	SLU-STATICA	0.0827	-9.1293	6.00	-1.28
1101	Shell-Thick	SLU-SISMICA	0.6662	-13.3316	9.24	1.97
1101	Shell-Thick	SLU-SISMICA	1.0966	-13.1725	9.64	1.97
1101	Shell-Thick	SLU-SISMICA	-0.3177	-14.0786	9.64	1.31
1101	Shell-Thick	SLU-SISMICA	-0.7512	-14.2190	9.24	1.31
1101	Shell-Thick	SLE-RARA	0.7639	-6.2446	4.39	-1.07
1101	Shell-Thick	SLE-RARA	0.9051	-6.3421	4.40	-1.07
1101	Shell-Thick	SLE-RARA	0.2459	-6.7638	4.40	-1.10
1101	Shell-Thick	SLE-RARA	0.1042	-6.6640	4.39	-1.10
1101	Shell-Thick	SLE-FREQ.	0.7714	-5.6981	4.01	-1.30
1101	Shell-Thick	SLE-FREQ.	0.8904	-5.8154	4.00	-1.30
1101	Shell-Thick	SLE-FREQ.	0.2893	-6.1998	4.00	-1.28
1101	Shell-Thick	SLE-FREQ.	0.1702	-6.0814	4.01	-1.28
1101	Shell-Thick	SLE-QP	0.7940	-4.0585	2.89	-2.01
1101	Shell-Thick	SLE-QP	0.8461	-4.2353	2.79	-2.01
1101	Shell-Thick	SLE-QP	0.4197	-4.5076	2.79	-1.84
1101	Shell-Thick	SLE-QP	0.3680	-4.3336	2.89	-1.84
1102	Shell-Thick	SLU-STATICA	1.2074	-9.3208	5.87	0.46
1102	Shell-Thick	SLU-STATICA	2.2167	-9.2365	6.16	0.46
1102	Shell-Thick	SLU-STATICA	1.3537	-8.5750	6.16	0.20
1102	Shell-Thick	SLU-STATICA	0.2633	-8.6029	5.87	0.20
1102	Shell-Thick	SLU-SISMICA	1.1221	-14.3208	9.34	5.20
1102	Shell-Thick	SLU-SISMICA	2.8693	-13.4654	10.31	5.20
1102	Shell-Thick	SLU-SISMICA	1.4613	-12.5524	10.31	4.34
1102	Shell-Thick	SLU-SISMICA	-0.4200	-13.3143	9.34	4.34
1102	Shell-Thick	SLE-RARA	0.9191	-6.8136	4.28	0.11

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1102	Shell-Thick	SLE-RARA	1.6472	-6.7881	4.46	0.11
1102	Shell-Thick	SLE-RARA	1.0204	-6.2994	4.46	-5.275E-02
1102	Shell-Thick	SLE-RARA	0.2336	-6.2840	4.28	-5.275E-02
1102	Shell-Thick	SLE-FREQ.	0.9035	-6.2347	3.89	-0.28
1102	Shell-Thick	SLE-FREQ.	1.5529	-6.2732	4.01	-0.28
1102	Shell-Thick	SLE-FREQ.	0.9864	-5.8172	4.01	-0.39
1102	Shell-Thick	SLE-FREQ.	0.2839	-5.7419	3.89	-0.39
1102	Shell-Thick	SLE-QP	0.8565	-4.4980	2.72	-1.46
1102	Shell-Thick	SLE-QP	1.2702	-4.7285	2.66	-1.46
1102	Shell-Thick	SLE-QP	0.8844	-4.3707	2.66	-1.41
1102	Shell-Thick	SLE-QP	0.4351	-4.1155	2.72	-1.41
1103	Shell-Thick	SLU-STATICA	2.2244	-8.7955	6.25	2.40
1103	Shell-Thick	SLU-STATICA	2.8305	-8.6251	6.46	2.40
1103	Shell-Thick	SLU-STATICA	1.8731	-9.1611	6.46	2.04
1103	Shell-Thick	SLU-STATICA	1.2738	-9.3775	6.25	2.04
1103	Shell-Thick	SLU-SISMICA	2.8742	-12.9563	10.42	8.62
1103	Shell-Thick	SLU-SISMICA	3.9325	-12.2705	10.93	8.62
1103	Shell-Thick	SLU-SISMICA	2.3270	-13.2236	10.93	7.74
1103	Shell-Thick	SLU-SISMICA	1.2765	-13.9610	10.42	7.74
1103	Shell-Thick	SLE-RARA	1.6531	-6.4574	4.53	1.51
1103	Shell-Thick	SLE-RARA	2.0899	-6.3539	4.67	1.51
1103	Shell-Thick	SLE-RARA	1.3967	-6.7393	4.67	1.26
1103	Shell-Thick	SLE-RARA	0.9650	-6.8773	4.53	1.26
1103	Shell-Thick	SLE-FREQ.	1.5590	-5.9562	4.08	0.96
1103	Shell-Thick	SLE-FREQ.	1.9478	-5.8977	4.19	0.96
1103	Shell-Thick	SLE-FREQ.	1.3249	-6.2392	4.19	0.76
1103	Shell-Thick	SLE-FREQ.	0.9410	-6.3311	4.08	0.76
1103	Shell-Thick	SLE-QP	1.2765	-4.4528	2.71	-0.68
1103	Shell-Thick	SLE-QP	1.5215	-4.5290	2.75	-0.68
1103	Shell-Thick	SLE-QP	1.1097	-4.7391	2.75	-0.73
1103	Shell-Thick	SLE-QP	0.8690	-4.6923	2.71	-0.73
1104	Shell-Thick	SLU-STATICA	2.8204	-9.3532	6.31	4.03
1104	Shell-Thick	SLU-STATICA	3.4618	-9.0017	6.62	4.03
1104	Shell-Thick	SLU-STATICA	2.4957	-8.3090	6.62	3.49
1104	Shell-Thick	SLU-STATICA	1.8474	-8.6121	6.31	3.49
1104	Shell-Thick	SLU-SISMICA	3.9062	-13.4852	10.68	11.28
1104	Shell-Thick	SLU-SISMICA	5.0129	-12.5018	11.30	11.28
1104	Shell-Thick	SLU-SISMICA	3.3711	-11.6382	11.30	10.20
1104	Shell-Thick	SLU-SISMICA	2.2503	-12.5235	10.68	10.20
1104	Shell-Thick	SLE-RARA	2.0830	-6.8814	4.56	2.69
1104	Shell-Thick	SLE-RARA	2.5459	-6.6466	4.78	2.69
1104	Shell-Thick	SLE-RARA	1.8475	-6.1301	4.78	2.31
1104	Shell-Thick	SLE-RARA	1.3797	-6.3308	4.56	2.31
1104	Shell-Thick	SLE-FREQ.	1.9425	-6.3721	4.09	2.03
1104	Shell-Thick	SLE-FREQ.	2.3556	-6.1950	4.28	2.03
1104	Shell-Thick	SLE-FREQ.	1.7300	-5.7054	4.28	1.70
1104	Shell-Thick	SLE-FREQ.	1.3126	-5.8533	4.09	1.70
1104	Shell-Thick	SLE-QP	1.5207	-4.8444	2.67	4.608E-02
1104	Shell-Thick	SLE-QP	1.7849	-4.8405	2.77	4.608E-02
1104	Shell-Thick	SLE-QP	1.3775	-4.4311	2.77	-0.12
1104	Shell-Thick	SLE-QP	1.1112	-4.4207	2.67	-0.12
1105	Shell-Thick	SLU-STATICA	3.4611	-8.6332	6.70	5.83
1105	Shell-Thick	SLU-STATICA	4.3334	-8.1903	7.06	5.83
1105	Shell-Thick	SLU-STATICA	3.2955	-8.4690	7.06	5.22
1105	Shell-Thick	SLU-STATICA	2.4344	-8.9872	6.70	5.22
1105	Shell-Thick	SLU-SISMICA	4.9995	-12.0608	11.42	14.08
1105	Shell-Thick	SLU-SISMICA	6.4577	-10.9300	12.06	14.08
1105	Shell-Thick	SLU-SISMICA	4.6898	-11.5504	12.06	12.98
1105	Shell-Thick	SLU-SISMICA	3.2455	-12.7741	11.42	12.98
1105	Shell-Thick	SLE-RARA	2.5460	-6.3709	4.85	4.00
1105	Shell-Thick	SLE-RARA	3.1777	-6.0695	5.10	4.00
1105	Shell-Thick	SLE-RARA	2.4277	-6.2637	5.10	3.57
1105	Shell-Thick	SLE-RARA	1.8042	-6.6213	4.85	3.57
1105	Shell-Thick	SLE-FREQ.	2.3568	-5.9322	4.34	3.23
1105	Shell-Thick	SLE-FREQ.	2.9248	-5.6947	4.56	3.23
1105	Shell-Thick	SLE-FREQ.	2.2532	-5.8561	4.56	2.84
1105	Shell-Thick	SLE-FREQ.	1.6931	-6.1468	4.34	2.84
1105	Shell-Thick	SLE-QP	1.7892	-4.6159	2.82	0.90
1105	Shell-Thick	SLE-QP	2.1660	-4.5703	2.95	0.90

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1105	Shell-Thick	SLE-QP	1.7299	-4.6331	2.95	0.67
1105	Shell-Thick	SLE-QP	1.3597	-4.7234	2.82	0.67
1106	Shell-Thick	SLU-STATICA	4.3197	-8.6309	6.97	7.87
1106	Shell-Thick	SLU-STATICA	5.1573	-8.0067	7.43	7.87
1106	Shell-Thick	SLU-STATICA	4.0733	-7.6800	7.43	7.08
1106	Shell-Thick	SLU-STATICA	3.2435	-8.3567	6.97	7.08
1106	Shell-Thick	SLU-SISMICA	6.4222	-11.7099	11.92	17.15
1106	Shell-Thick	SLU-SISMICA	7.8292	-10.2996	12.67	17.15
1106	Shell-Thick	SLU-SISMICA	5.9810	-10.0267	12.67	15.86
1106	Shell-Thick	SLU-SISMICA	4.5818	-11.4882	11.92	15.86
1106	Shell-Thick	SLE-RARA	3.1684	-6.3865	5.04	5.50
1106	Shell-Thick	SLE-RARA	3.7748	-5.9528	5.37	5.50
1106	Shell-Thick	SLE-RARA	2.9914	-5.7025	5.37	4.93
1106	Shell-Thick	SLE-RARA	2.3911	-6.1762	5.04	4.93
1106	Shell-Thick	SLE-FREQ.	2.9175	-5.9760	4.50	4.60
1106	Shell-Thick	SLE-FREQ.	3.4621	-5.6176	4.80	4.60
1106	Shell-Thick	SLE-FREQ.	2.7609	-5.3690	4.80	4.09
1106	Shell-Thick	SLE-FREQ.	2.2221	-5.7665	4.50	4.09
1106	Shell-Thick	SLE-QP	2.1648	-4.7445	2.91	1.91
1106	Shell-Thick	SLE-QP	2.5242	-4.6120	3.11	1.91
1106	Shell-Thick	SLE-QP	2.0693	-4.3687	3.11	1.56
1106	Shell-Thick	SLE-QP	1.7153	-4.5376	2.91	1.56
1107	Shell-Thick	SLU-STATICA	5.1598	-7.8344	7.47	10.12
1107	Shell-Thick	SLU-STATICA	6.2203	-7.0564	7.99	10.12
1107	Shell-Thick	SLU-STATICA	5.0512	-7.2555	7.99	9.21
1107	Shell-Thick	SLU-STATICA	4.0094	-8.1595	7.47	9.21
1107	Shell-Thick	SLU-SISMICA	7.8165	-10.1479	12.72	20.43
1107	Shell-Thick	SLU-SISMICA	9.5496	-8.5150	13.53	20.43
1107	Shell-Thick	SLU-SISMICA	7.5680	-9.0491	13.53	19.03
1107	Shell-Thick	SLU-SISMICA	5.8596	-10.8487	12.72	19.03
1107	Shell-Thick	SLE-RARA	3.7774	-5.8211	5.40	7.16
1107	Shell-Thick	SLE-RARA	4.5474	-5.2742	5.78	7.16
1107	Shell-Thick	SLE-RARA	3.7021	-5.4084	5.78	6.49
1107	Shell-Thick	SLE-RARA	2.9459	-6.0488	5.40	6.49
1107	Shell-Thick	SLE-FREQ.	3.4659	-5.4875	4.83	6.13
1107	Shell-Thick	SLE-FREQ.	4.1617	-5.0243	5.18	6.13
1107	Shell-Thick	SLE-FREQ.	3.4039	-5.1277	5.18	5.52
1107	Shell-Thick	SLE-FREQ.	2.7212	-5.6787	4.83	5.52
1107	Shell-Thick	SLE-QP	2.5315	-4.4866	3.14	3.06
1107	Shell-Thick	SLE-QP	3.0045	-4.2746	3.39	3.06
1107	Shell-Thick	SLE-QP	2.5096	-4.2854	3.39	2.62
1107	Shell-Thick	SLE-QP	2.0471	-4.5683	3.14	2.62
1108	Shell-Thick	SLU-STATICA	6.2150	-7.3059	7.94	12.62
1108	Shell-Thick	SLU-STATICA	7.3330	-6.3257	8.57	12.62
1108	Shell-Thick	SLU-STATICA	6.0832	-6.2356	8.57	11.53
1108	Shell-Thick	SLU-STATICA	4.9862	-7.3570	7.94	11.53
1108	Shell-Thick	SLU-SISMICA	9.5235	-9.0010	13.45	23.97
1108	Shell-Thick	SLU-SISMICA	11.3403	-7.0761	14.37	23.97
1108	Shell-Thick	SLU-SISMICA	9.2397	-7.1761	14.37	22.38
1108	Shell-Thick	SLU-SISMICA	7.4500	-9.2835	13.45	22.38
1108	Shell-Thick	SLE-RARA	4.5445	-5.4515	5.75	9.00
1108	Shell-Thick	SLE-RARA	5.3568	-4.7558	6.21	9.00
1108	Shell-Thick	SLE-RARA	4.4522	-4.6781	6.21	8.20
1108	Shell-Thick	SLE-RARA	3.6555	-5.4787	5.75	8.20
1108	Shell-Thick	SLE-FREQ.	4.1606	-5.1778	5.15	7.85
1108	Shell-Thick	SLE-FREQ.	4.8954	-4.5769	5.58	7.85
1108	Shell-Thick	SLE-FREQ.	4.0831	-4.4854	5.58	7.11
1108	Shell-Thick	SLE-FREQ.	3.3629	-5.1853	5.15	7.11
1108	Shell-Thick	SLE-QP	3.0087	-4.3566	3.37	4.38
1108	Shell-Thick	SLE-QP	3.5113	-4.0401	3.69	4.38
1108	Shell-Thick	SLE-QP	2.9755	-3.9075	3.69	3.82
1108	Shell-Thick	SLE-QP	2.4850	-4.3051	3.37	3.82
1109	Shell-Thick	SLU-STATICA	7.3452	-6.1709	8.60	15.37
1109	Shell-Thick	SLU-STATICA	8.6250	-4.9829	9.33	15.37
1109	Shell-Thick	SLU-STATICA	7.2659	-5.2989	9.33	14.11
1109	Shell-Thick	SLU-STATICA	6.0141	-6.6756	8.60	14.11
1109	Shell-Thick	SLU-SISMICA	11.3389	-6.9399	14.40	27.76
1109	Shell-Thick	SLU-SISMICA	13.3826	-4.7302	15.42	27.76
1109	Shell-Thick	SLU-SISMICA	11.1261	-5.4461	15.42	26.01

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1109	Shell-Thick	SLU-SISMICA	9.1207	-7.9140	14.40	26.01
1109	Shell-Thick	SLE-RARA	5.3667	-4.6376	6.23	11.03
1109	Shell-Thick	SLE-RARA	6.2984	-3.7883	6.77	11.03
1109	Shell-Thick	SLE-RARA	5.3133	-4.0078	6.77	10.10
1109	Shell-Thick	SLE-RARA	4.4023	-4.9967	6.23	10.10
1109	Shell-Thick	SLE-FREQ.	4.9062	-4.4600	5.60	9.74
1109	Shell-Thick	SLE-FREQ.	5.7521	-3.7156	6.10	9.74
1109	Shell-Thick	SLE-FREQ.	4.8651	-3.8969	6.10	8.87
1109	Shell-Thick	SLE-FREQ.	4.0384	-4.7717	5.60	8.87
1109	Shell-Thick	SLE-QP	3.5246	-3.9274	3.70	5.87
1109	Shell-Thick	SLE-QP	4.1133	-3.4977	4.10	5.87
1109	Shell-Thick	SLE-QP	3.5204	-3.5642	4.10	5.19
1109	Shell-Thick	SLE-QP	2.9469	-4.0968	3.70	5.19
1110	Shell-Thick	SLU-STATICA	8.6375	-5.1069	9.29	18.39
1110	Shell-Thick	SLU-STATICA	10.0741	-3.6856	10.13	18.39
1110	Shell-Thick	SLU-STATICA	8.5999	-3.8034	10.13	16.94
1110	Shell-Thick	SLU-STATICA	7.1973	-5.4553	9.29	16.94
1110	Shell-Thick	SLU-SISMICA	13.3804	-5.0141	15.36	31.85
1110	Shell-Thick	SLU-SISMICA	15.6503	-2.4860	16.49	31.85
1110	Shell-Thick	SLU-SISMICA	13.2375	-2.8902	16.49	29.89
1110	Shell-Thick	SLU-SISMICA	11.0142	-5.7329	15.36	29.89
1110	Shell-Thick	SLE-RARA	6.3086	-3.8743	6.74	13.27
1110	Shell-Thick	SLE-RARA	7.3557	-2.8525	7.36	13.27
1110	Shell-Thick	SLE-RARA	6.2854	-2.9275	7.36	12.19
1110	Shell-Thick	SLE-RARA	5.2635	-4.1198	6.74	12.19
1110	Shell-Thick	SLE-FREQ.	5.7633	-3.7864	6.07	11.83
1110	Shell-Thick	SLE-FREQ.	6.7161	-2.8807	6.66	11.83
1110	Shell-Thick	SLE-FREQ.	5.7493	-2.9303	6.66	10.82
1110	Shell-Thick	SLE-FREQ.	4.8201	-3.9954	6.07	10.82
1110	Shell-Thick	SLE-QP	4.1273	-3.5227	4.08	7.53
1110	Shell-Thick	SLE-QP	4.7973	-2.9655	4.55	7.53
1110	Shell-Thick	SLE-QP	4.1410	-2.9390	4.55	6.73
1110	Shell-Thick	SLE-QP	3.4897	-3.6223	4.08	6.73
1111	Shell-Thick	SLU-STATICA	10.1087	-3.4101	10.16	21.70
1111	Shell-Thick	SLU-STATICA	11.6681	-1.7247	11.13	21.70
1111	Shell-Thick	SLU-STATICA	10.0515	-2.3090	11.13	20.02
1111	Shell-Thick	SLU-STATICA	8.5304	-4.2535	10.16	20.02
1111	Shell-Thick	SLU-SISMICA	15.6802	-2.1525	16.54	36.24
1111	Shell-Thick	SLU-SISMICA	18.1122	0.7247	17.80	36.24
1111	Shell-Thick	SLU-SISMICA	15.5092	-0.3700	17.80	34.06
1111	Shell-Thick	SLU-SISMICA	13.1306	-3.6084	16.54	34.06
1111	Shell-Thick	SLE-RARA	7.3821	-2.6466	7.38	15.72
1111	Shell-Thick	SLE-RARA	8.5203	-1.4289	8.10	15.72
1111	Shell-Thick	SLE-RARA	7.3445	-1.8462	8.10	14.47
1111	Shell-Thick	SLE-RARA	6.2346	-3.2551	7.38	14.47
1111	Shell-Thick	SLE-FREQ.	6.7422	-2.6847	6.68	14.14
1111	Shell-Thick	SLE-FREQ.	7.7806	-1.5950	7.35	14.14
1111	Shell-Thick	SLE-FREQ.	6.7149	-1.9601	7.35	12.96
1111	Shell-Thick	SLE-FREQ.	5.7029	-3.2279	6.68	12.96
1111	Shell-Thick	SLE-QP	4.8226	-2.7990	4.56	9.39
1111	Shell-Thick	SLE-QP	5.5616	-2.0932	5.11	9.39
1111	Shell-Thick	SLE-QP	4.8260	-2.3016	5.11	8.43
1111	Shell-Thick	SLE-QP	4.1076	-3.1462	4.56	8.43
1112	Shell-Thick	SLU-STATICA	11.7106	-1.7154	11.09	25.33
1112	Shell-Thick	SLU-STATICA	13.5228	0.2401	12.19	25.33
1112	Shell-Thick	SLU-STATICA	11.7517	-0.1375	12.19	23.42
1112	Shell-Thick	SLU-STATICA	9.9882	-2.4223	11.09	23.42
1112	Shell-Thick	SLU-SISMICA	18.1532	0.6624	17.75	40.98
1112	Shell-Thick	SLU-SISMICA	20.9473	3.8920	19.15	40.98
1112	Shell-Thick	SLU-SISMICA	18.1451	3.1364	19.15	38.56
1112	Shell-Thick	SLU-SISMICA	15.4190	-0.5538	17.75	38.56
1112	Shell-Thick	SLE-RARA	8.5525	-1.4183	8.07	18.41
1112	Shell-Thick	SLE-RARA	9.8768	2.341E-05	8.89	18.41
1112	Shell-Thick	SLE-RARA	8.5862	-0.2673	8.89	16.99
1112	Shell-Thick	SLE-RARA	7.2978	-1.9286	8.07	16.99
1112	Shell-Thick	SLE-FREQ.	7.8122	-1.5787	7.33	16.67
1112	Shell-Thick	SLE-FREQ.	9.0231	-0.3001	8.10	16.67
1112	Shell-Thick	SLE-FREQ.	7.8491	-0.5297	8.10	15.33
1112	Shell-Thick	SLE-FREQ.	6.6716	-2.0346	7.33	15.33



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1112	Shell-Thick	SLE-QP	5.5912	-2.0601	5.09	11.45
1112	Shell-Thick	SLE-QP	6.4621	-1.2005	5.73	11.45
1112	Shell-Thick	SLE-QP	5.6377	-1.3171	5.73	10.34
1112	Shell-Thick	SLE-QP	4.7929	-2.3526	5.09	10.34
1113	Shell-Thick	SLU-STATICA	13.5981	0.7771	12.24	29.30
1113	Shell-Thick	SLU-STATICA	15.5101	3.0621	13.50	29.30
1113	Shell-Thick	SLU-STATICA	13.5543	2.0266	13.50	27.11
1113	Shell-Thick	SLU-STATICA	11.6922	-0.5959	12.24	27.11
1113	Shell-Thick	SLU-SISMICA	21.0368	4.6406	19.23	46.12
1113	Shell-Thick	SLU-SISMICA	23.9531	8.2956	20.81	46.12
1113	Shell-Thick	SLU-SISMICA	20.9143	6.5829	20.81	43.39
1113	Shell-Thick	SLU-SISMICA	18.0684	2.4519	19.23	43.39
1113	Shell-Thick	SLE-RARA	9.9331	0.3964	8.92	21.36
1113	Shell-Thick	SLE-RARA	11.3319	2.0595	9.87	21.36
1113	Shell-Thick	SLE-RARA	9.9039	1.3087	9.87	19.73
1113	Shell-Thick	SLE-RARA	8.5419	-0.6034	8.92	19.73
1113	Shell-Thick	SLE-FREQ.	9.0769	0.0691	8.13	19.46
1113	Shell-Thick	SLE-FREQ.	10.3587	1.5786	9.02	19.46
1113	Shell-Thick	SLE-FREQ.	9.0548	0.9020	9.02	17.91
1113	Shell-Thick	SLE-FREQ.	7.8073	-0.8390	8.13	17.91
1113	Shell-Thick	SLE-QP	6.5082	-0.9128	5.75	13.73
1113	Shell-Thick	SLE-QP	7.4389	0.1360	6.49	13.73
1113	Shell-Thick	SLE-QP	6.5077	-0.3182	6.49	12.44
1113	Shell-Thick	SLE-QP	5.6034	-1.5458	5.75	12.44
1114	Shell-Thick	SLU-STATICA	15.5986	3.2308	13.45	33.37
1114	Shell-Thick	SLU-STATICA	17.5883	5.4252	14.68	33.37
1114	Shell-Thick	SLU-STATICA	15.4623	4.7707	14.68	30.94
1114	Shell-Thick	SLU-STATICA	13.5055	2.0568	13.45	30.94
1114	Shell-Thick	SLU-SISMICA	24.0633	8.5026	20.74	51.32
1114	Shell-Thick	SLU-SISMICA	27.0696	11.9366	22.25	51.32
1114	Shell-Thick	SLU-SISMICA	23.8213	10.8350	22.25	48.33
1114	Shell-Thick	SLU-SISMICA	20.8616	6.6637	20.74	48.33
1114	Shell-Thick	SLE-RARA	11.3979	2.1855	9.82	24.39
1114	Shell-Thick	SLE-RARA	12.8549	3.7864	10.74	24.39
1114	Shell-Thick	SLE-RARA	11.2999	3.3128	10.74	22.58
1114	Shell-Thick	SLE-RARA	9.8671	1.3290	9.82	22.58
1114	Shell-Thick	SLE-FREQ.	10.4213	1.6983	8.98	22.31
1114	Shell-Thick	SLE-FREQ.	11.7588	3.1579	9.86	22.31
1114	Shell-Thick	SLE-FREQ.	10.3343	2.7328	9.86	20.59
1114	Shell-Thick	SLE-FREQ.	9.0193	0.9176	8.98	20.59
1114	Shell-Thick	SLE-QP	7.4913	0.2370	6.46	16.09
1114	Shell-Thick	SLE-QP	8.4704	1.2725	7.19	16.09
1114	Shell-Thick	SLE-QP	7.4376	0.9926	7.19	14.63
1114	Shell-Thick	SLE-QP	6.4759	-0.3165	6.46	14.63
1115	Shell-Thick	SLU-STATICA	0.2502	-8.7200	5.44	-2.77
1115	Shell-Thick	SLU-STATICA	0.9223	-8.7261	5.36	-2.77
1115	Shell-Thick	SLU-STATICA	0.1460	-7.3980	5.36	-2.63
1115	Shell-Thick	SLU-STATICA	-0.5931	-6.9343	5.44	-2.63
1115	Shell-Thick	SLU-SISMICA	-0.6672	-13.7797	7.13	-2.28
1115	Shell-Thick	SLU-SISMICA	0.3568	-13.6542	7.49	-2.28
1115	Shell-Thick	SLU-SISMICA	-0.6887	-11.4688	7.49	-2.90
1115	Shell-Thick	SLU-SISMICA	-1.8152	-10.8932	7.13	-2.90
1115	Shell-Thick	SLE-RARA	0.2353	-6.3554	4.04	-2.12
1115	Shell-Thick	SLE-RARA	0.7270	-6.3665	3.95	-2.12
1115	Shell-Thick	SLE-RARA	0.1522	-5.4029	3.95	-1.98
1115	Shell-Thick	SLE-RARA	-0.3885	-5.0571	4.04	-1.98
1115	Shell-Thick	SLE-FREQ.	0.3049	-5.7828	3.80	-2.11
1115	Shell-Thick	SLE-FREQ.	0.7556	-5.8046	3.68	-2.11
1115	Shell-Thick	SLE-FREQ.	0.2171	-4.9352	3.68	-1.91
1115	Shell-Thick	SLE-FREQ.	-0.2785	-4.6071	3.80	-1.91
1115	Shell-Thick	SLE-QP	0.5137	-4.0653	3.08	-2.08
1115	Shell-Thick	SLE-QP	0.8412	-4.1186	2.86	-2.08
1115	Shell-Thick	SLE-QP	0.4116	-3.5319	2.86	-1.70
1115	Shell-Thick	SLE-QP	0.0515	-3.2570	3.08	-1.70
1116	Shell-Thick	SLU-STATICA	0.9542	-7.7629	5.54	-2.14
1116	Shell-Thick	SLU-STATICA	0.8932	-7.9498	5.60	-2.14
1116	Shell-Thick	SLU-STATICA	0.0578	-8.5386	5.60	-2.25
1116	Shell-Thick	SLU-STATICA	0.1177	-8.3434	5.54	-2.25
1116	Shell-Thick	SLU-SISMICA	0.4141	-12.2456	7.74	-0.64



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1116	Shell-Thick	SLU-SISMICA	0.4249	-12.3269	8.21	-0.64
1116	Shell-Thick	SLU-SISMICA	-0.7706	-13.1671	8.21	-1.45
1116	Shell-Thick	SLU-SISMICA	-0.7839	-13.0669	7.74	-1.45
1116	Shell-Thick	SLE-RARA	0.7499	-5.6589	4.09	-1.70
1116	Shell-Thick	SLE-RARA	0.7001	-5.8058	4.12	-1.70
1116	Shell-Thick	SLE-RARA	0.0851	-6.2394	4.12	-1.75
1116	Shell-Thick	SLE-RARA	0.1341	-6.0868	4.09	-1.75
1116	Shell-Thick	SLE-FREQ.	0.7758	-5.1510	3.81	-1.78
1116	Shell-Thick	SLE-FREQ.	0.7213	-5.3029	3.80	-1.78
1116	Shell-Thick	SLE-FREQ.	0.1511	-5.7052	3.80	-1.77
1116	Shell-Thick	SLE-FREQ.	0.2049	-5.5485	3.81	-1.77
1116	Shell-Thick	SLE-QP	0.8535	-3.6273	2.96	-2.02
1116	Shell-Thick	SLE-QP	0.7850	-3.7943	2.85	-2.02
1116	Shell-Thick	SLE-QP	0.3490	-4.1025	2.85	-1.84
1116	Shell-Thick	SLE-QP	0.4172	-3.9337	2.96	-1.84
1117	Shell-Thick	SLU-STATICA	0.9075	-8.9913	5.34	-1.30
1117	Shell-Thick	SLU-STATICA	1.4910	-8.9760	5.45	-1.30
1117	Shell-Thick	SLU-STATICA	0.7069	-7.6263	5.45	-1.48
1117	Shell-Thick	SLU-STATICA	0.0715	-7.3571	5.34	-1.48
1117	Shell-Thick	SLU-SISMICA	0.4487	-14.0059	7.79	1.29
1117	Shell-Thick	SLU-SISMICA	1.4004	-13.7081	8.32	1.29
1117	Shell-Thick	SLU-SISMICA	0.2318	-11.6599	8.32	0.41
1117	Shell-Thick	SLU-SISMICA	-0.8002	-11.5164	7.79	0.41
1117	Shell-Thick	SLE-RARA	0.7105	-6.5632	3.93	-1.12
1117	Shell-Thick	SLE-RARA	1.1343	-6.5657	3.99	-1.12
1117	Shell-Thick	SLE-RARA	0.5593	-5.5778	3.99	-1.22
1117	Shell-Thick	SLE-RARA	0.0976	-5.3675	3.93	-1.22
1117	Shell-Thick	SLE-FREQ.	0.7306	-5.9893	3.63	-1.30
1117	Shell-Thick	SLE-FREQ.	1.1138	-6.0149	3.66	-1.30
1117	Shell-Thick	SLE-FREQ.	0.5846	-5.1088	3.66	-1.34
1117	Shell-Thick	SLE-FREQ.	0.1669	-4.8934	3.63	-1.34
1117	Shell-Thick	SLE-QP	0.7912	-4.2675	2.74	-1.86
1117	Shell-Thick	SLE-QP	1.0522	-4.3626	2.65	-1.86
1117	Shell-Thick	SLE-QP	0.6604	-3.7018	2.65	-1.72
1117	Shell-Thick	SLE-QP	0.3745	-3.4709	2.74	-1.72
1118	Shell-Thick	SLU-STATICA	1.5158	-8.3690	5.56	0.18
1118	Shell-Thick	SLU-STATICA	2.3535	-8.3584	5.96	0.18
1118	Shell-Thick	SLU-STATICA	1.5033	-8.4696	5.96	-0.17
1118	Shell-Thick	SLU-STATICA	0.6368	-8.4599	5.56	-0.17
1118	Shell-Thick	SLU-SISMICA	1.4396	-12.9322	8.45	4.35
1118	Shell-Thick	SLU-SISMICA	2.9395	-12.2670	9.64	4.35
1118	Shell-Thick	SLU-SISMICA	1.6064	-12.4888	9.64	3.29
1118	Shell-Thick	SLU-SISMICA	0.0561	-13.1183	8.45	3.29
1118	Shell-Thick	SLE-RARA	1.1524	-6.1141	4.07	-7.328E-02
1118	Shell-Thick	SLE-RARA	1.7541	-6.1387	4.33	-7.328E-02
1118	Shell-Thick	SLE-RARA	1.1339	-6.2175	4.33	-0.30
1118	Shell-Thick	SLE-RARA	0.5115	-6.1783	4.07	-0.30
1118	Shell-Thick	SLE-FREQ.	1.1302	-5.5884	3.73	-0.41
1118	Shell-Thick	SLE-FREQ.	1.6627	-5.6662	3.92	-0.41
1118	Shell-Thick	SLE-FREQ.	1.0975	-5.7339	3.92	-0.58
1118	Shell-Thick	SLE-FREQ.	0.5466	-5.6432	3.73	-0.58
1118	Shell-Thick	SLE-QP	1.0638	-4.0111	2.72	-1.44
1118	Shell-Thick	SLE-QP	1.3885	-4.2485	2.69	-1.44
1118	Shell-Thick	SLE-QP	0.9882	-4.2831	2.69	-1.41
1118	Shell-Thick	SLE-QP	0.6519	-4.0377	2.72	-1.41
1119	Shell-Thick	SLU-STATICA	2.3579	-9.1681	5.76	2.04
1119	Shell-Thick	SLU-STATICA	2.8963	-8.9490	6.08	2.04
1119	Shell-Thick	SLU-STATICA	2.0179	-7.7641	6.08	1.49
1119	Shell-Thick	SLU-STATICA	1.4604	-7.8518	5.76	1.49
1119	Shell-Thick	SLU-SISMICA	2.9410	-13.6348	9.32	7.73
1119	Shell-Thick	SLU-SISMICA	3.8795	-12.9064	10.02	7.73
1119	Shell-Thick	SLU-SISMICA	2.4445	-11.2596	10.02	6.53
1119	Shell-Thick	SLU-SISMICA	1.4747	-11.7715	9.32	6.53
1119	Shell-Thick	SLE-RARA	1.7576	-6.7244	4.19	1.26
1119	Shell-Thick	SLE-RARA	2.1457	-6.5838	4.41	1.26
1119	Shell-Thick	SLE-RARA	1.5078	-5.7090	4.41	0.88
1119	Shell-Thick	SLE-RARA	1.1059	-5.7543	4.19	0.88
1119	Shell-Thick	SLE-FREQ.	1.6664	-6.1915	3.79	0.76
1119	Shell-Thick	SLE-FREQ.	2.0120	-6.0963	3.98	0.76

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1119	Shell-Thick	SLE-FREQ.	1.4355	-5.2810	3.98	0.44
1119	Shell-Thick	SLE-FREQ.	1.0775	-5.2903	3.79	0.44
1119	Shell-Thick	SLE-QP	1.3926	-4.5929	2.60	-0.74
1119	Shell-Thick	SLE-QP	1.6109	-4.6336	2.68	-0.74
1119	Shell-Thick	SLE-QP	1.2188	-3.9969	2.68	-0.86
1119	Shell-Thick	SLE-QP	0.9921	-3.8983	2.60	-0.86
1120	Shell-Thick	SLU-STATICA	2.9026	-8.3680	6.20	3.51
1120	Shell-Thick	SLU-STATICA	3.6969	-8.1017	6.55	3.51
1120	Shell-Thick	SLU-STATICA	2.7383	-8.3692	6.55	2.92
1120	Shell-Thick	SLU-STATICA	1.9481	-8.6623	6.20	2.92
1120	Shell-Thick	SLU-SISMICA	3.8808	-12.1454	10.19	10.24
1120	Shell-Thick	SLU-SISMICA	5.2200	-11.3204	10.89	10.24
1120	Shell-Thick	SLU-SISMICA	3.6366	-11.8781	10.89	9.03
1120	Shell-Thick	SLU-SISMICA	2.3015	-12.7290	10.19	9.03
1120	Shell-Thick	SLE-RARA	2.1507	-6.1526	4.50	2.33
1120	Shell-Thick	SLE-RARA	2.7254	-5.9786	4.75	2.33
1120	Shell-Thick	SLE-RARA	2.0302	-6.1668	4.75	1.91
1120	Shell-Thick	SLE-RARA	1.4585	-6.3611	4.50	1.91
1120	Shell-Thick	SLE-FREQ.	2.0173	-5.6904	4.06	1.72
1120	Shell-Thick	SLE-FREQ.	2.5330	-5.5667	4.27	1.72
1120	Shell-Thick	SLE-FREQ.	1.9063	-5.7264	4.27	1.36
1120	Shell-Thick	SLE-FREQ.	1.3935	-5.8700	4.06	1.36
1120	Shell-Thick	SLE-QP	1.6170	-4.3041	2.75	-0.11
1120	Shell-Thick	SLE-QP	1.9559	-4.3309	2.85	-0.11
1120	Shell-Thick	SLE-QP	1.5346	-4.4051	2.85	-0.29
1120	Shell-Thick	SLE-QP	1.1985	-4.3969	2.75	-0.29
1121	Shell-Thick	SLU-STATICA	3.6907	-8.7134	6.41	5.24
1121	Shell-Thick	SLU-STATICA	4.3356	-8.2836	6.89	5.24
1121	Shell-Thick	SLU-STATICA	3.3386	-7.6162	6.89	4.41
1121	Shell-Thick	SLU-STATICA	2.6909	-8.0254	6.41	4.41
1121	Shell-Thick	SLU-SISMICA	5.1989	-12.3509	10.67	13.00
1121	Shell-Thick	SLU-SISMICA	6.3190	-11.2571	11.53	13.00
1121	Shell-Thick	SLU-SISMICA	4.6570	-10.4480	11.53	11.53
1121	Shell-Thick	SLU-SISMICA	3.5295	-11.4884	10.67	11.53
1121	Shell-Thick	SLE-RARA	2.7215	-6.4212	4.65	3.58
1121	Shell-Thick	SLE-RARA	3.1864	-6.1286	4.99	3.58
1121	Shell-Thick	SLE-RARA	2.4641	-5.6300	4.99	2.98
1121	Shell-Thick	SLE-RARA	1.9972	-5.9086	4.65	2.98
1121	Shell-Thick	SLE-FREQ.	2.5304	-5.9640	4.18	2.86
1121	Shell-Thick	SLE-FREQ.	2.9449	-5.7332	4.49	2.86
1121	Shell-Thick	SLE-FREQ.	2.2950	-5.2584	4.49	2.33
1121	Shell-Thick	SLE-FREQ.	1.8790	-5.4783	4.18	2.33
1121	Shell-Thick	SLE-QP	1.9573	-4.5922	2.79	0.68
1121	Shell-Thick	SLE-QP	2.2202	-4.5467	2.98	0.68
1121	Shell-Thick	SLE-QP	1.7877	-4.1439	2.98	0.35
1121	Shell-Thick	SLE-QP	1.5246	-4.1875	2.79	0.35
1122	Shell-Thick	SLU-STATICA	4.3501	-8.0578	6.93	7.14
1122	Shell-Thick	SLU-STATICA	5.3147	-7.5093	7.48	7.14
1122	Shell-Thick	SLU-STATICA	4.2290	-7.4839	7.48	6.19
1122	Shell-Thick	SLU-STATICA	3.2737	-8.0944	6.93	6.19
1122	Shell-Thick	SLU-SISMICA	6.3269	-11.0285	11.57	15.93
1122	Shell-Thick	SLU-SISMICA	7.9237	-9.7488	12.48	15.93
1122	Shell-Thick	SLU-SISMICA	6.1133	-9.9266	12.48	14.36
1122	Shell-Thick	SLU-SISMICA	4.5280	-11.2823	11.57	14.36
1122	Shell-Thick	SLE-RARA	3.1977	-5.9577	5.02	4.97
1122	Shell-Thick	SLE-RARA	3.8972	-5.5785	5.42	4.97
1122	Shell-Thick	SLE-RARA	3.1106	-5.5491	5.42	4.28
1122	Shell-Thick	SLE-RARA	2.4181	-5.9746	5.02	4.28
1122	Shell-Thick	SLE-FREQ.	2.9564	-5.5667	4.51	4.12
1122	Shell-Thick	SLE-FREQ.	3.5867	-5.2569	4.87	4.12
1122	Shell-Thick	SLE-FREQ.	2.8790	-5.2115	4.87	3.50
1122	Shell-Thick	SLE-FREQ.	2.2554	-5.5653	4.51	3.50
1122	Shell-Thick	SLE-QP	2.2326	-4.3936	3.00	1.59
1122	Shell-Thick	SLE-QP	2.6552	-4.2921	3.24	1.59
1122	Shell-Thick	SLE-QP	2.1844	-4.1989	3.24	1.17
1122	Shell-Thick	SLE-QP	1.7673	-4.3374	3.00	1.17
1123	Shell-Thick	SLU-STATICA	5.3173	-7.8193	7.41	9.27
1123	Shell-Thick	SLU-STATICA	6.2483	-7.0948	8.08	9.27
1123	Shell-Thick	SLU-STATICA	5.0820	-6.7177	8.08	8.11

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1123	Shell-Thick	SLU-STATICA	4.1603	-7.5045	7.41	8.11
1123	Shell-Thick	SLU-SISMICA	7.9110	-10.3290	12.36	19.11
1123	Shell-Thick	SLU-SISMICA	9.4621	-8.7797	13.41	19.11
1123	Shell-Thick	SLU-SISMICA	7.5235	-8.4434	13.41	17.30
1123	Shell-Thick	SLU-SISMICA	5.9829	-10.0614	12.36	17.30
1123	Shell-Thick	SLE-RARA	3.8998	-5.7999	5.37	6.53
1123	Shell-Thick	SLE-RARA	4.5745	-5.2920	5.86	6.53
1123	Shell-Thick	SLE-RARA	3.7291	-5.0042	5.86	5.68
1123	Shell-Thick	SLE-RARA	3.0616	-5.5591	5.37	5.68
1123	Shell-Thick	SLE-FREQ.	3.5905	-5.4506	4.83	5.56
1123	Shell-Thick	SLE-FREQ.	4.1976	-5.0231	5.27	5.56
1123	Shell-Thick	SLE-FREQ.	3.4365	-4.7390	5.27	4.79
1123	Shell-Thick	SLE-FREQ.	2.8363	-5.2119	4.83	4.79
1123	Shell-Thick	SLE-QP	2.6626	-4.4029	3.21	2.65
1123	Shell-Thick	SLE-QP	3.0669	-4.2163	3.53	2.65
1123	Shell-Thick	SLE-QP	2.5588	-3.9434	3.53	2.10
1123	Shell-Thick	SLE-QP	2.1605	-4.1703	3.21	2.10
1124	Shell-Thick	SLU-STATICA	6.2717	-6.9825	8.08	11.62
1124	Shell-Thick	SLU-STATICA	7.4133	-6.0870	8.86	11.62
1124	Shell-Thick	SLU-STATICA	6.1340	-6.0689	8.86	10.26
1124	Shell-Thick	SLU-STATICA	5.0092	-7.0770	8.08	10.26
1124	Shell-Thick	SLU-SISMICA	9.4786	-8.7155	13.40	22.50
1124	Shell-Thick	SLU-SISMICA	11.3338	-6.9195	14.56	22.50
1124	Shell-Thick	SLU-SISMICA	9.2248	-7.1393	14.56	20.50
1124	Shell-Thick	SLU-SISMICA	7.3918	-9.0839	13.40	20.50
1124	Shell-Thick	SLE-RARA	4.5925	-5.2045	5.86	8.26
1124	Shell-Thick	SLE-RARA	5.4220	-4.5708	6.43	8.26
1124	Shell-Thick	SLE-RARA	4.4940	-4.5453	6.43	7.27
1124	Shell-Thick	SLE-RARA	3.6770	-5.2625	5.86	7.27
1124	Shell-Thick	SLE-FREQ.	4.2158	-4.9338	5.27	7.16
1124	Shell-Thick	SLE-FREQ.	4.9661	-4.3897	5.80	7.16
1124	Shell-Thick	SLE-FREQ.	4.1292	-4.3453	5.80	6.25
1124	Shell-Thick	SLE-FREQ.	3.3905	-4.9678	5.27	6.25
1124	Shell-Thick	SLE-QP	3.0854	-4.1216	3.53	3.87
1124	Shell-Thick	SLE-QP	3.5985	-3.8464	3.92	3.87
1124	Shell-Thick	SLE-QP	3.0347	-3.7452	3.92	3.19
1124	Shell-Thick	SLE-QP	2.5311	-4.0838	3.53	3.19
1125	Shell-Thick	SLU-STATICA	7.4357	-6.2527	8.80	14.21
1125	Shell-Thick	SLU-STATICA	8.6844	-5.1537	9.72	14.21
1125	Shell-Thick	SLU-STATICA	7.2851	-4.9417	9.72	12.63
1125	Shell-Thick	SLU-STATICA	6.0568	-6.1771	8.80	12.63
1125	Shell-Thick	SLU-SISMICA	11.3466	-7.2780	14.47	26.14
1125	Shell-Thick	SLU-SISMICA	13.3606	-5.1900	15.77	26.14
1125	Shell-Thick	SLU-SISMICA	11.0794	-5.1161	15.77	23.90
1125	Shell-Thick	SLU-SISMICA	9.0919	-7.3813	14.47	23.90
1125	Shell-Thick	SLE-RARA	5.4395	-4.6868	6.39	10.17
1125	Shell-Thick	SLE-RARA	6.3475	-3.9034	7.06	10.17
1125	Shell-Thick	SLE-RARA	5.3311	-3.7358	7.06	9.01
1125	Shell-Thick	SLE-RARA	4.4382	-4.6206	6.39	9.01
1125	Shell-Thick	SLE-FREQ.	4.9840	-4.4870	5.76	8.94
1125	Shell-Thick	SLE-FREQ.	5.8067	-3.8042	6.39	8.94
1125	Shell-Thick	SLE-FREQ.	4.8879	-3.6294	6.39	7.86
1125	Shell-Thick	SLE-FREQ.	4.0794	-4.4077	5.76	7.86
1125	Shell-Thick	SLE-QP	3.6174	-3.8876	3.89	5.25
1125	Shell-Thick	SLE-QP	4.1843	-3.5065	4.38	5.25
1125	Shell-Thick	SLE-QP	3.5581	-3.3101	4.38	4.41
1125	Shell-Thick	SLE-QP	3.0028	-3.7691	3.89	4.41
1126	Shell-Thick	SLU-STATICA	8.7292	-4.9838	9.71	17.05
1126	Shell-Thick	SLU-STATICA	10.1243	-3.6637	10.77	17.05
1126	Shell-Thick	SLU-STATICA	8.5756	-3.7995	10.77	15.21
1126	Shell-Thick	SLU-STATICA	7.2054	-5.2863	9.71	15.21
1126	Shell-Thick	SLU-SISMICA	13.4050	-5.0298	15.75	30.05
1126	Shell-Thick	SLU-SISMICA	15.6206	-2.6385	17.22	30.05
1126	Shell-Thick	SLU-SISMICA	13.1302	-3.0909	17.22	27.53
1126	Shell-Thick	SLU-SISMICA	10.9484	-5.7088	15.75	27.53
1126	Shell-Thick	SLE-RARA	6.3815	-3.7741	7.05	12.27
1126	Shell-Thick	SLE-RARA	7.3977	-2.8272	7.84	12.27
1126	Shell-Thick	SLE-RARA	6.2711	-2.9143	7.84	10.91
1126	Shell-Thick	SLE-RARA	5.2733	-3.9846	7.05	10.91

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1126	Shell-Thick	SLE-FREQ.	5.8399	-3.6773	6.38	10.90
1126	Shell-Thick	SLE-FREQ.	6.7636	-2.8417	7.12	10.90
1126	Shell-Thick	SLE-FREQ.	5.7422	-2.9007	7.12	9.63
1126	Shell-Thick	SLE-FREQ.	4.8356	-3.8516	6.38	9.63
1126	Shell-Thick	SLE-QP	4.2150	-3.3868	4.37	6.79
1126	Shell-Thick	SLE-QP	4.8613	-2.8854	4.95	6.79
1126	Shell-Thick	SLE-QP	4.1554	-2.8598	4.95	5.79
1126	Shell-Thick	SLE-QP	3.5228	-3.4528	4.37	5.79
1127	Shell-Thick	SLU-STATICA	10.1770	-3.7206	10.70	20.17
1127	Shell-Thick	SLU-STATICA	11.7967	-2.1636	11.93	20.17
1127	Shell-Thick	SLU-STATICA	10.0833	-2.1151	11.93	18.05
1127	Shell-Thick	SLU-STATICA	8.4949	-3.8825	10.70	18.05
1127	Shell-Thick	SLU-SISMICA	15.6748	-2.8209	17.12	34.26
1127	Shell-Thick	SLU-SISMICA	18.2172	-0.1070	18.76	34.26
1127	Shell-Thick	SLU-SISMICA	15.5046	-0.2655	18.76	31.42
1127	Shell-Thick	SLU-SISMICA	13.0047	-3.2647	17.12	31.42
1127	Shell-Thick	SLE-RARA	7.4375	-2.8640	7.79	14.58
1127	Shell-Thick	SLE-RARA	8.6189	-1.7419	8.70	14.58
1127	Shell-Thick	SLE-RARA	7.3704	-1.6948	8.70	13.01
1127	Shell-Thick	SLE-RARA	6.2122	-2.9727	7.79	13.01
1127	Shell-Thick	SLE-FREQ.	6.8023	-2.8673	7.07	13.06
1127	Shell-Thick	SLE-FREQ.	7.8788	-1.8679	7.92	13.06
1127	Shell-Thick	SLE-FREQ.	6.7431	-1.8050	7.92	11.59
1127	Shell-Thick	SLE-FREQ.	5.6884	-2.9502	7.07	11.59
1127	Shell-Thick	SLE-QP	4.8967	-2.8773	4.91	8.51
1127	Shell-Thick	SLE-QP	5.6583	-2.2462	5.60	8.51
1127	Shell-Thick	SLE-QP	4.8614	-2.1357	5.60	7.33
1127	Shell-Thick	SLE-QP	4.1170	-2.8826	4.91	7.33
1128	Shell-Thick	SLU-STATICA	11.8798	-1.8205	11.92	23.58
1128	Shell-Thick	SLU-STATICA	13.6208	0.0129	13.34	23.58
1128	Shell-Thick	SLU-STATICA	11.7093	-0.3991	13.34	21.11
1128	Shell-Thick	SLU-STATICA	10.0012	-2.4534	11.92	21.11
1128	Shell-Thick	SLU-SISMICA	18.3151	0.3276	18.75	38.78
1128	Shell-Thick	SLU-SISMICA	21.0153	3.4083	20.62	38.78
1128	Shell-Thick	SLU-SISMICA	18.0389	2.5719	20.62	35.55
1128	Shell-Thick	SLU-SISMICA	15.3841	-0.8130	18.75	35.55
1128	Shell-Thick	SLE-RARA	8.6811	-1.4865	8.69	17.11
1128	Shell-Thick	SLE-RARA	9.9526	-0.1594	9.75	17.11
1128	Shell-Thick	SLE-RARA	8.5572	-0.4504	9.75	15.28
1128	Shell-Thick	SLE-RARA	7.3101	-1.9408	8.69	15.28
1128	Shell-Thick	SLE-FREQ.	7.9382	-1.6264	7.91	15.44
1128	Shell-Thick	SLE-FREQ.	9.0995	-0.4345	8.91	15.44
1128	Shell-Thick	SLE-FREQ.	7.8260	-0.6835	8.91	13.72
1128	Shell-Thick	SLE-FREQ.	6.6875	-2.0278	7.91	13.72
1128	Shell-Thick	SLE-QP	5.7095	-2.0461	5.59	10.43
1128	Shell-Thick	SLE-QP	6.5403	-1.2599	6.40	10.43
1128	Shell-Thick	SLE-QP	5.6325	-1.3826	6.40	9.03
1128	Shell-Thick	SLE-QP	4.8196	-2.2887	5.59	9.03
1129	Shell-Thick	SLU-STATICA	13.7212	0.0907	13.25	27.31
1129	Shell-Thick	SLU-STATICA	15.8162	2.1982	14.90	27.31
1129	Shell-Thick	SLU-STATICA	13.6830	2.0312	14.90	24.47
1129	Shell-Thick	SLU-STATICA	11.6311	-0.3657	13.25	24.47
1129	Shell-Thick	SLU-SISMICA	21.1374	3.4485	20.50	43.66
1129	Shell-Thick	SLU-SISMICA	24.3480	6.8868	22.62	43.66
1129	Shell-Thick	SLU-SISMICA	21.0840	6.4508	22.62	39.99
1129	Shell-Thick	SLU-SISMICA	17.9329	2.6121	20.50	39.99
1129	Shell-Thick	SLE-RARA	10.0276	-0.0985	9.68	19.88
1129	Shell-Thick	SLE-RARA	11.5595	1.4321	10.90	19.88
1129	Shell-Thick	SLE-RARA	9.9994	1.3190	10.90	17.77
1129	Shell-Thick	SLE-RARA	8.4993	-0.4255	9.68	17.77
1129	Shell-Thick	SLE-FREQ.	9.1709	-0.3721	8.85	18.05
1129	Shell-Thick	SLE-FREQ.	10.5733	1.0114	10.00	18.05
1129	Shell-Thick	SLE-FREQ.	9.1446	0.9232	10.00	16.05
1129	Shell-Thick	SLE-FREQ.	7.7719	-0.6597	8.85	16.05
1129	Shell-Thick	SLE-QP	6.6008	-1.1926	6.34	12.55
1129	Shell-Thick	SLE-QP	7.6149	-0.2504	7.29	12.55
1129	Shell-Thick	SLE-QP	6.5804	-0.2640	7.29	10.91
1129	Shell-Thick	SLE-QP	5.5896	-1.3624	6.34	10.91
1130	Shell-Thick	SLU-STATICA	15.9549	2.8500	14.89	31.13

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1130	Shell-Thick	SLU-STATICA	17.8557	4.9461	16.56	31.13
1130	Shell-Thick	SLU-STATICA	15.4865	4.0923	16.56	27.85
1130	Shell-Thick	SLU-STATICA	13.6058	1.6866	14.89	27.85
1130	Shell-Thick	SLU-SISMICA	24.5273	7.8075	22.63	48.59
1130	Shell-Thick	SLU-SISMICA	27.4133	11.1427	24.75	48.59
1130	Shell-Thick	SLU-SISMICA	23.8455	9.7053	24.75	44.41
1130	Shell-Thick	SLU-SISMICA	20.9871	5.9421	22.63	44.41
1130	Shell-Thick	SLE-RARA	11.6626	1.9126	10.90	22.72
1130	Shell-Thick	SLE-RARA	13.0537	3.4392	12.14	22.72
1130	Shell-Thick	SLE-RARA	11.3182	2.8212	12.14	20.28
1130	Shell-Thick	SLE-RARA	9.9418	1.0660	10.90	20.28
1130	Shell-Thick	SLE-FREQ.	10.6705	1.4580	9.99	20.72
1130	Shell-Thick	SLE-FREQ.	11.9464	2.8451	11.16	20.72
1130	Shell-Thick	SLE-FREQ.	10.3522	2.2904	11.16	18.42
1130	Shell-Thick	SLE-FREQ.	9.0901	0.6900	9.99	18.42
1130	Shell-Thick	SLE-QP	7.6944	0.0942	7.28	14.74
1130	Shell-Thick	SLE-QP	8.6245	1.0630	8.25	14.74
1130	Shell-Thick	SLE-QP	7.4542	0.6978	8.25	12.84
1130	Shell-Thick	SLE-QP	6.5349	-0.4381	7.28	12.84
1131	Shell-Thick	SLU-STATICA	0.7064	-8.2546	4.90	-2.28
1131	Shell-Thick	SLU-STATICA	1.3667	-8.2479	4.97	-2.28
1131	Shell-Thick	SLU-STATICA	0.6571	-6.5987	4.97	-2.40
1131	Shell-Thick	SLU-STATICA	-0.0647	-6.1850	4.90	-2.40
1131	Shell-Thick	SLU-SISMICA	0.0015	-12.9339	6.20	-1.48
1131	Shell-Thick	SLU-SISMICA	1.0107	-12.7868	6.78	-1.48
1131	Shell-Thick	SLU-SISMICA	0.0833	-10.1617	6.78	-2.48
1131	Shell-Thick	SLU-SISMICA	-1.0190	-9.6706	6.20	-2.48
1131	Shell-Thick	SLE-RARA	0.5704	-6.0217	3.65	-1.77
1131	Shell-Thick	SLE-RARA	1.0533	-6.0236	3.67	-1.77
1131	Shell-Thick	SLE-RARA	0.5265	-4.8226	3.67	-1.81
1131	Shell-Thick	SLE-RARA	-0.0015	-4.5129	3.65	-1.81
1131	Shell-Thick	SLE-FREQ.	0.6142	-5.4886	3.45	-1.79
1131	Shell-Thick	SLE-FREQ.	1.0566	-5.5021	3.44	-1.79
1131	Shell-Thick	SLE-FREQ.	0.5607	-4.4108	3.44	-1.76
1131	Shell-Thick	SLE-FREQ.	0.0770	-4.1152	3.45	-1.76
1131	Shell-Thick	SLE-QP	0.7458	-3.8896	2.86	-1.86
1131	Shell-Thick	SLE-QP	1.0665	-3.9375	2.72	-1.86
1131	Shell-Thick	SLE-QP	0.6632	-3.1757	2.72	-1.61
1131	Shell-Thick	SLE-QP	0.3124	-2.9220	2.86	-1.61
1132	Shell-Thick	SLU-STATICA	1.3933	-7.2114	5.17	-1.57
1132	Shell-Thick	SLU-STATICA	1.4649	-7.3561	5.35	-1.57
1132	Shell-Thick	SLU-STATICA	0.6777	-7.9472	5.35	-1.86
1132	Shell-Thick	SLU-STATICA	0.6018	-7.7790	5.17	-1.86
1132	Shell-Thick	SLU-SISMICA	1.0596	-11.2961	7.06	0.29
1132	Shell-Thick	SLU-SISMICA	1.2809	-11.2983	7.71	0.29
1132	Shell-Thick	SLU-SISMICA	0.1761	-12.1266	7.71	-0.78
1132	Shell-Thick	SLU-SISMICA	-0.0521	-12.0847	7.06	-0.78
1132	Shell-Thick	SLE-RARA	1.0723	-5.2608	3.83	-1.29
1132	Shell-Thick	SLE-RARA	1.1192	-5.3776	3.93	-1.29
1132	Shell-Thick	SLE-RARA	0.5385	-5.8137	3.93	-1.46
1132	Shell-Thick	SLE-RARA	0.4886	-5.6799	3.83	-1.46
1132	Shell-Thick	SLE-FREQ.	1.0733	-4.7954	3.58	-1.41
1132	Shell-Thick	SLE-FREQ.	1.1067	-4.9210	3.64	-1.41
1132	Shell-Thick	SLE-FREQ.	0.5664	-5.3269	3.64	-1.52
1132	Shell-Thick	SLE-FREQ.	0.5303	-5.1860	3.58	-1.52
1132	Shell-Thick	SLE-QP	1.0763	-3.3992	2.83	-1.77
1132	Shell-Thick	SLE-QP	1.0693	-3.5513	2.77	-1.77
1132	Shell-Thick	SLE-QP	0.6503	-3.8664	2.77	-1.68
1132	Shell-Thick	SLE-QP	0.6554	-3.7043	2.83	-1.68
1133	Shell-Thick	SLU-STATICA	1.5000	-8.2825	5.09	-0.17
1133	Shell-Thick	SLU-STATICA	2.3282	-8.3094	5.57	-0.17
1133	Shell-Thick	SLU-STATICA	1.5825	-7.1134	5.57	-0.60
1133	Shell-Thick	SLU-STATICA	0.6447	-7.0102	5.09	-0.60
1133	Shell-Thick	SLU-SISMICA	1.3378	-12.8185	7.29	3.34
1133	Shell-Thick	SLU-SISMICA	2.7777	-12.2979	8.69	3.34
1133	Shell-Thick	SLU-SISMICA	1.6635	-10.5337	8.69	2.10
1133	Shell-Thick	SLU-SISMICA	0.0534	-10.9355	7.29	2.10
1133	Shell-Thick	SLE-RARA	1.1447	-6.0499	3.75	-0.30
1133	Shell-Thick	SLE-RARA	1.7418	-6.0977	4.07	-0.30

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1133	Shell-Thick	SLE-RARA	1.1951	-5.2197	4.07	-0.59
1133	Shell-Thick	SLE-RARA	0.5180	-5.1163	3.75	-0.59
1133	Shell-Thick	SLE-FREQ.	1.1298	-5.5280	3.47	-0.58
1133	Shell-Thick	SLE-FREQ.	1.6619	-5.6195	3.71	-0.58
1133	Shell-Thick	SLE-FREQ.	1.1589	-4.8099	3.71	-0.80
1133	Shell-Thick	SLE-FREQ.	0.5538	-4.6676	3.47	-0.80
1133	Shell-Thick	SLE-QP	1.0851	-3.9621	2.66	-1.43
1133	Shell-Thick	SLE-QP	1.4222	-4.1852	2.64	-1.43
1133	Shell-Thick	SLE-QP	1.0505	-3.5806	2.64	-1.42
1133	Shell-Thick	SLE-QP	0.6613	-3.3214	2.66	-1.42
1134	Shell-Thick	SLU-STATICA	2.3527	-7.6754	5.69	1.49
1134	Shell-Thick	SLU-STATICA	3.0011	-7.5654	5.99	1.49
1134	Shell-Thick	SLU-STATICA	2.1253	-8.0536	5.99	0.96
1134	Shell-Thick	SLU-STATICA	1.4761	-8.1568	5.69	0.96
1134	Shell-Thick	SLU-SISMICA	2.8145	-11.4953	8.83	6.53
1134	Shell-Thick	SLU-SISMICA	3.9260	-10.9714	9.54	6.53
1134	Shell-Thick	SLU-SISMICA	2.5496	-11.7871	9.54	5.30
1134	Shell-Thick	SLU-SISMICA	1.4356	-12.2922	8.83	5.30
1134	Shell-Thick	SLE-RARA	1.7597	-5.6256	4.15	0.88
1134	Shell-Thick	SLE-RARA	2.2279	-5.5629	4.36	0.88
1134	Shell-Thick	SLE-RARA	1.5893	-5.9165	4.36	0.51
1134	Shell-Thick	SLE-RARA	1.1205	-5.9746	4.15	0.51
1134	Shell-Thick	SLE-FREQ.	1.6784	-5.1729	3.79	0.44
1134	Shell-Thick	SLE-FREQ.	2.0970	-5.1458	3.96	0.44
1134	Shell-Thick	SLE-FREQ.	1.5152	-5.4638	3.96	0.14
1134	Shell-Thick	SLE-FREQ.	1.0962	-5.4875	3.79	0.14
1134	Shell-Thick	SLE-QP	1.4344	-3.8150	2.71	-0.87
1134	Shell-Thick	SLE-QP	1.7041	-3.8946	2.77	-0.87
1134	Shell-Thick	SLE-QP	1.2930	-4.1056	2.77	-0.96
1134	Shell-Thick	SLE-QP	1.0233	-4.0260	2.71	-0.96
1135	Shell-Thick	SLU-STATICA	3.0033	-8.4776	5.78	2.90
1135	Shell-Thick	SLU-STATICA	3.3749	-8.2154	6.23	2.90
1135	Shell-Thick	SLU-STATICA	2.4802	-7.1041	6.23	2.11
1135	Shell-Thick	SLU-STATICA	2.0959	-7.2772	5.78	2.11
1135	Shell-Thick	SLU-SISMICA	3.9219	-12.4382	9.20	9.00
1135	Shell-Thick	SLU-SISMICA	4.6245	-11.6472	10.10	9.00
1135	Shell-Thick	SLU-SISMICA	3.1876	-10.1313	10.10	7.45
1135	Shell-Thick	SLU-SISMICA	2.4634	-10.7719	9.20	7.45
1135	Shell-Thick	SLE-RARA	2.2300	-6.2265	4.21	1.89
1135	Shell-Thick	SLE-RARA	2.4950	-6.0541	4.53	1.89
1135	Shell-Thick	SLE-RARA	1.8441	-5.2322	4.53	1.33
1135	Shell-Thick	SLE-RARA	1.5698	-5.3401	4.21	1.33
1135	Shell-Thick	SLE-FREQ.	2.0995	-5.7475	3.82	1.34
1135	Shell-Thick	SLE-FREQ.	2.3308	-5.6229	4.10	1.34
1135	Shell-Thick	SLE-FREQ.	1.7405	-4.8544	4.10	0.86
1135	Shell-Thick	SLE-FREQ.	1.5009	-4.9212	3.82	0.86
1135	Shell-Thick	SLE-QP	1.7081	-4.3105	2.67	-0.30
1135	Shell-Thick	SLE-QP	1.8381	-4.3290	2.81	-0.30
1135	Shell-Thick	SLE-QP	1.4297	-3.7211	2.81	-0.56
1135	Shell-Thick	SLE-QP	1.2942	-3.6646	2.67	-0.56
1136	Shell-Thick	SLU-STATICA	3.4006	-7.8299	6.29	4.44
1136	Shell-Thick	SLU-STATICA	4.2657	-7.4844	6.80	4.44
1136	Shell-Thick	SLU-STATICA	3.2830	-7.3160	6.80	3.57
1136	Shell-Thick	SLU-STATICA	2.4190	-7.6673	6.29	3.57
1136	Shell-Thick	SLU-SISMICA	4.6534	-11.1814	10.17	11.58
1136	Shell-Thick	SLU-SISMICA	6.0988	-10.2419	11.09	11.58
1136	Shell-Thick	SLU-SISMICA	4.5037	-10.1623	11.09	9.99
1136	Shell-Thick	SLU-SISMICA	3.0583	-11.0992	10.17	9.99
1136	Shell-Thick	SLE-RARA	2.5143	-5.7660	4.58	3.01
1136	Shell-Thick	SLE-RARA	3.1409	-5.5338	4.94	3.01
1136	Shell-Thick	SLE-RARA	2.4268	-5.4018	4.94	2.38
1136	Shell-Thick	SLE-RARA	1.8011	-5.6388	4.58	2.38
1136	Shell-Thick	SLE-FREQ.	2.3494	-5.3484	4.14	2.35
1136	Shell-Thick	SLE-FREQ.	2.9128	-5.1707	4.46	2.35
1136	Shell-Thick	SLE-FREQ.	2.2666	-5.0347	4.46	1.80
1136	Shell-Thick	SLE-FREQ.	1.7041	-5.2178	4.14	1.80
1136	Shell-Thick	SLE-QP	1.8546	-4.0956	2.85	0.37
1136	Shell-Thick	SLE-QP	2.2286	-4.0816	3.04	0.37
1136	Shell-Thick	SLE-QP	1.7862	-3.9334	3.04	3.752E-02

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1136	Shell-Thick	SLE-QP	1.4133	-3.9546	2.85	3.752E-02
1137	Shell-Thick	SLU-STATICA	4.2718	-7.8656	6.70	6.21
1137	Shell-Thick	SLU-STATICA	4.9326	-7.3724	7.36	6.21
1137	Shell-Thick	SLU-STATICA	3.8779	-6.7465	7.36	5.08
1137	Shell-Thick	SLU-STATICA	3.2168	-7.2352	6.70	5.08
1137	Shell-Thick	SLU-SISMICA	6.0950	-10.9260	10.94	14.39
1137	Shell-Thick	SLU-SISMICA	7.2471	-9.7427	12.03	14.39
1137	Shell-Thick	SLU-SISMICA	5.5258	-9.0081	12.03	12.51
1137	Shell-Thick	SLU-SISMICA	4.3703	-10.1646	10.94	12.51
1137	Shell-Thick	SLE-RARA	3.1461	-5.8075	4.87	4.30
1137	Shell-Thick	SLE-RARA	3.6223	-5.4682	5.34	4.30
1137	Shell-Thick	SLE-RARA	2.8564	-4.9994	5.34	3.48
1137	Shell-Thick	SLE-RARA	2.3800	-5.3364	4.87	3.48
1137	Shell-Thick	SLE-FREQ.	2.9187	-5.4128	4.40	3.52
1137	Shell-Thick	SLE-FREQ.	3.3428	-5.1386	4.83	3.52
1137	Shell-Thick	SLE-FREQ.	2.6505	-4.6903	4.83	2.78
1137	Shell-Thick	SLE-FREQ.	2.2265	-4.9641	4.40	2.78
1137	Shell-Thick	SLE-QP	2.2364	-4.2287	3.00	1.18
1137	Shell-Thick	SLE-QP	2.5042	-4.1497	3.28	1.18
1137	Shell-Thick	SLE-QP	2.0330	-3.7629	3.28	0.69
1137	Shell-Thick	SLE-QP	1.7661	-3.8471	3.00	0.69
1138	Shell-Thick	SLU-STATICA	4.9675	-7.2619	7.34	8.16
1138	Shell-Thick	SLU-STATICA	5.9125	-6.6327	8.11	8.16
1138	Shell-Thick	SLU-STATICA	4.7498	-6.3363	8.11	6.84
1138	Shell-Thick	SLU-STATICA	3.8120	-7.0122	7.34	6.84
1138	Shell-Thick	SLU-SISMICA	7.2836	-9.6861	12.00	17.38
1138	Shell-Thick	SLU-SISMICA	8.8546	-8.2923	13.21	17.38
1138	Shell-Thick	SLU-SISMICA	6.9591	-8.0786	13.21	15.29
1138	Shell-Thick	SLU-SISMICA	5.3967	-9.5275	12.00	15.29
1138	Shell-Thick	SLE-RARA	3.6487	-5.3818	5.33	5.73
1138	Shell-Thick	SLE-RARA	4.3335	-4.9432	5.89	5.73
1138	Shell-Thick	SLE-RARA	3.4891	-4.7145	5.89	4.76
1138	Shell-Thick	SLE-RARA	2.8095	-5.1880	5.33	4.76
1138	Shell-Thick	SLE-FREQ.	3.3684	-5.0499	4.82	4.83
1138	Shell-Thick	SLE-FREQ.	3.9849	-4.6849	5.33	4.83
1138	Shell-Thick	SLE-FREQ.	3.2215	-4.4551	5.33	3.95
1138	Shell-Thick	SLE-FREQ.	2.6100	-4.8534	4.82	3.95
1138	Shell-Thick	SLE-QP	2.5275	-4.0542	3.27	2.13
1138	Shell-Thick	SLE-QP	2.9390	-3.9101	3.63	2.13
1138	Shell-Thick	SLE-QP	2.4187	-3.6768	3.63	1.51
1138	Shell-Thick	SLE-QP	2.0115	-3.8495	3.27	1.51
1139	Shell-Thick	SLU-STATICA	5.9440	-6.8031	8.03	10.33
1139	Shell-Thick	SLU-STATICA	6.9020	-6.0022	8.94	10.33
1139	Shell-Thick	SLU-STATICA	5.6242	-5.5220	8.94	8.76
1139	Shell-Thick	SLU-STATICA	4.6752	-6.3815	8.03	8.76
1139	Shell-Thick	SLU-SISMICA	8.8829	-8.6649	13.09	20.58
1139	Shell-Thick	SLU-SISMICA	10.4801	-7.0089	14.45	20.58
1139	Shell-Thick	SLU-SISMICA	8.4089	-6.5301	14.45	18.23
1139	Shell-Thick	SLU-SISMICA	6.8218	-8.2510	13.09	18.23
1139	Shell-Thick	SLE-RARA	4.3576	-5.0622	5.84	7.31
1139	Shell-Thick	SLE-RARA	5.0516	-4.4979	6.50	7.31
1139	Shell-Thick	SLE-RARA	4.1230	-4.1340	6.50	6.17
1139	Shell-Thick	SLE-RARA	3.4357	-4.7424	5.84	6.17
1139	Shell-Thick	SLE-FREQ.	4.0086	-4.7844	5.28	6.29
1139	Shell-Thick	SLE-FREQ.	4.6330	-4.3043	5.89	6.29
1139	Shell-Thick	SLE-FREQ.	3.7925	-3.9493	5.89	5.24
1139	Shell-Thick	SLE-FREQ.	3.1745	-4.4718	5.28	5.24
1139	Shell-Thick	SLE-QP	2.9617	-3.9509	3.60	3.22
1139	Shell-Thick	SLE-QP	3.3772	-3.7234	4.05	3.22
1139	Shell-Thick	SLE-QP	2.8010	-3.3950	4.05	2.44
1139	Shell-Thick	SLE-QP	2.3912	-3.6601	3.60	2.44
1140	Shell-Thick	SLU-STATICA	6.9579	-5.8809	8.90	12.71
1140	Shell-Thick	SLU-STATICA	8.0752	-4.8997	9.96	12.71
1140	Shell-Thick	SLU-STATICA	6.6535	-4.6649	9.96	10.88
1140	Shell-Thick	SLU-STATICA	5.5498	-5.7360	8.90	10.88
1140	Shell-Thick	SLU-SISMICA	10.5424	-6.9330	14.40	24.01
1140	Shell-Thick	SLU-SISMICA	12.3650	-5.0172	15.92	24.01
1140	Shell-Thick	SLU-SISMICA	10.0815	-4.9240	15.92	21.38
1140	Shell-Thick	SLU-SISMICA	8.2766	-6.9561	14.40	21.38



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1140	Shell-Thick	SLE-RARA	5.0937	-4.4037	6.47	9.07
1140	Shell-Thick	SLE-RARA	5.9052	-3.7068	7.25	9.07
1140	Shell-Thick	SLE-RARA	4.8708	-3.5218	7.25	7.73
1140	Shell-Thick	SLE-RARA	4.0694	-4.2856	6.47	7.73
1140	Shell-Thick	SLE-FREQ.	4.6735	-4.2087	5.86	7.91
1140	Shell-Thick	SLE-FREQ.	5.4070	-3.6058	6.58	7.91
1140	Shell-Thick	SLE-FREQ.	4.4690	-3.4137	6.58	6.67
1140	Shell-Thick	SLE-FREQ.	3.7450	-4.0796	5.86	6.67
1140	Shell-Thick	SLE-QP	3.4130	-3.6236	4.03	4.46
1140	Shell-Thick	SLE-QP	3.9126	-3.3026	4.57	4.46
1140	Shell-Thick	SLE-QP	3.2635	-3.0894	4.57	3.51
1140	Shell-Thick	SLE-QP	2.7717	-3.4618	4.03	3.51
1141	Shell-Thick	SLU-STATICA	8.1389	-4.9578	9.87	15.31
1141	Shell-Thick	SLU-STATICA	9.4088	-3.7748	11.09	15.31
1141	Shell-Thick	SLU-STATICA	7.8272	-3.3852	11.09	13.20
1141	Shell-Thick	SLU-STATICA	6.5746	-4.6829	9.87	13.20
1141	Shell-Thick	SLU-SISMICA	12.4358	-5.2182	15.80	27.66
1141	Shell-Thick	SLU-SISMICA	14.4860	-3.0130	17.51	27.66
1141	Shell-Thick	SLU-SISMICA	11.9766	-2.6826	17.51	24.71
1141	Shell-Thick	SLU-SISMICA	9.9485	-5.0335	15.80	24.71
1141	Shell-Thick	SLE-RARA	5.9530	-3.7437	7.19	10.99
1141	Shell-Thick	SLE-RARA	6.8764	-2.8982	8.09	10.99
1141	Shell-Thick	SLE-RARA	5.7242	-2.6001	8.09	9.43
1141	Shell-Thick	SLE-RARA	4.8137	-3.5309	7.19	9.43
1141	Shell-Thick	SLE-FREQ.	5.4531	-3.6300	6.52	9.70
1141	Shell-Thick	SLE-FREQ.	6.2896	-2.8894	7.36	9.70
1141	Shell-Thick	SLE-FREQ.	5.2421	-2.5937	7.36	8.25
1141	Shell-Thick	SLE-FREQ.	4.4178	-3.4150	6.52	8.25
1141	Shell-Thick	SLE-QP	3.9534	-3.2889	4.53	5.84
1141	Shell-Thick	SLE-QP	4.5292	-2.8628	5.18	5.84
1141	Shell-Thick	SLE-QP	3.7957	-2.5747	5.18	4.72
1141	Shell-Thick	SLE-QP	3.2299	-3.0674	4.53	4.72
1142	Shell-Thick	SLU-STATICA	9.5019	-3.5238	11.05	18.16
1142	Shell-Thick	SLU-STATICA	10.8704	-2.1150	12.47	18.16
1142	Shell-Thick	SLU-STATICA	9.0968	-2.0316	12.47	15.70
1142	Shell-Thick	SLU-STATICA	7.7476	-3.5683	11.05	15.70
1142	Shell-Thick	SLU-SISMICA	14.5982	-2.7364	17.44	31.57
1142	Shell-Thick	SLU-SISMICA	16.7771	-0.2206	19.38	31.57
1142	Shell-Thick	SLU-SISMICA	14.0018	-0.3530	19.38	28.22
1142	Shell-Thick	SLU-SISMICA	11.8485	-3.0379	17.44	28.22
1142	Shell-Thick	SLE-RARA	6.9460	-2.7094	8.05	13.09
1142	Shell-Thick	SLE-RARA	7.9426	-1.6969	9.10	13.09
1142	Shell-Thick	SLE-RARA	6.6486	-1.6231	9.10	11.28
1142	Shell-Thick	SLE-RARA	5.6663	-2.7302	8.05	11.28
1142	Shell-Thick	SLE-FREQ.	6.3559	-2.7073	7.33	11.67
1142	Shell-Thick	SLE-FREQ.	7.2613	-1.8108	8.31	11.67
1142	Shell-Thick	SLE-FREQ.	6.0816	-1.7210	8.31	9.97
1142	Shell-Thick	SLE-FREQ.	5.1896	-2.7065	7.33	9.97
1142	Shell-Thick	SLE-QP	4.5857	-2.7010	5.15	7.39
1142	Shell-Thick	SLE-QP	5.2176	-2.1523	5.93	7.39
1142	Shell-Thick	SLE-QP	4.3805	-2.0148	5.93	6.05
1142	Shell-Thick	SLE-QP	3.7594	-2.6353	5.15	6.05
1143	Shell-Thick	SLU-STATICA	10.9814	-2.0585	12.35	21.25
1143	Shell-Thick	SLU-STATICA	12.6164	-0.4165	14.00	21.25
1143	Shell-Thick	SLU-STATICA	10.6272	-0.1221	14.00	18.41
1143	Shell-Thick	SLU-STATICA	9.0172	-1.9308	12.35	18.41
1143	Shell-Thick	SLU-SISMICA	16.9132	-0.2403	19.22	35.74
1143	Shell-Thick	SLU-SISMICA	19.4809	2.5934	21.42	35.74
1143	Shell-Thick	SLU-SISMICA	16.4156	2.7972	21.42	31.94
1143	Shell-Thick	SLU-SISMICA	13.8811	-0.2566	19.22	31.94
1143	Shell-Thick	SLE-RARA	8.0255	-1.6504	9.02	15.38
1143	Shell-Thick	SLE-RARA	9.2179	-0.4656	10.24	15.38
1143	Shell-Thick	SLE-RARA	7.7642	-0.2379	10.24	13.28
1143	Shell-Thick	SLE-RARA	6.5904	-1.5464	9.02	13.28
1143	Shell-Thick	SLE-FREQ.	7.3401	-1.7591	8.23	13.81
1143	Shell-Thick	SLE-FREQ.	8.4265	-0.7014	9.37	13.81
1143	Shell-Thick	SLE-FREQ.	7.0970	-0.4720	9.37	11.84
1143	Shell-Thick	SLE-FREQ.	6.0281	-1.6459	8.23	11.84
1143	Shell-Thick	SLE-QP	5.2840	-2.0854	5.87	9.10



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1143	Shell-Thick	SLE-QP	6.0523	-1.4091	6.79	9.10
1143	Shell-Thick	SLE-QP	5.0956	-1.1741	6.79	7.52
1143	Shell-Thick	SLE-QP	4.3415	-1.9442	5.87	7.52
1144	Shell-Thick	SLU-STATICA	12.7702	0.0660	13.93	24.61
1144	Shell-Thick	SLU-STATICA	14.4714	1.9850	15.85	24.61
1144	Shell-Thick	SLU-STATICA	12.2253	1.8424	15.85	21.30
1144	Shell-Thick	SLU-STATICA	10.5478	-0.2323	13.93	21.30
1144	Shell-Thick	SLU-SISMICA	19.6780	3.2281	21.34	40.18
1144	Shell-Thick	SLU-SISMICA	22.3197	6.4310	23.86	40.18
1144	Shell-Thick	SLU-SISMICA	18.9133	5.9930	23.86	35.82
1144	Shell-Thick	SLU-SISMICA	16.3028	2.5840	21.34	35.82
1144	Shell-Thick	SLE-RARA	9.3323	-0.1075	10.19	17.87
1144	Shell-Thick	SLE-RARA	10.5744	1.2826	11.61	17.87
1144	Shell-Thick	SLE-RARA	8.9303	1.1893	11.61	15.41
1144	Shell-Thick	SLE-RARA	7.7057	-0.3163	10.19	15.41
1144	Shell-Thick	SLE-FREQ.	8.5345	-0.3647	9.33	16.15
1144	Shell-Thick	SLE-FREQ.	9.6687	0.8856	10.67	16.15
1144	Shell-Thick	SLE-FREQ.	8.1605	0.8189	10.67	13.84
1144	Shell-Thick	SLE-FREQ.	7.0428	-0.5400	9.33	13.84
1144	Shell-Thick	SLE-QP	6.1412	-1.1364	6.75	10.99
1144	Shell-Thick	SLE-QP	6.9516	-0.3054	7.83	10.99
1144	Shell-Thick	SLE-QP	5.8511	-0.2924	7.83	9.12
1144	Shell-Thick	SLE-QP	5.0539	-1.2109	6.75	9.12
1145	Shell-Thick	SLU-STATICA	14.6425	2.1591	15.69	28.02
1145	Shell-Thick	SLU-STATICA	16.4851	4.0268	17.62	28.02
1145	Shell-Thick	SLU-STATICA	13.9774	4.2730	17.62	24.21
1145	Shell-Thick	SLU-STATICA	12.1513	2.1544	15.69	24.21
1145	Shell-Thick	SLU-SISMICA	22.5417	6.6064	23.65	44.63
1145	Shell-Thick	SLU-SISMICA	25.3673	9.6563	26.15	44.63
1145	Shell-Thick	SLU-SISMICA	21.6204	9.8304	26.15	39.69
1145	Shell-Thick	SLU-SISMICA	18.8167	6.4445	23.65	39.69
1145	Shell-Thick	SLE-RARA	10.7016	1.4145	11.50	20.40
1145	Shell-Thick	SLE-RARA	12.0488	2.7708	12.93	20.40
1145	Shell-Thick	SLE-RARA	10.2104	2.9609	12.93	17.58
1145	Shell-Thick	SLE-RARA	8.8754	1.4187	11.50	17.58
1145	Shell-Thick	SLE-FREQ.	9.7886	1.0141	10.56	18.53
1145	Shell-Thick	SLE-FREQ.	11.0218	2.2399	11.91	18.53
1145	Shell-Thick	SLE-FREQ.	9.3306	2.4312	11.91	15.87
1145	Shell-Thick	SLE-FREQ.	8.1088	1.0312	10.56	15.87
1145	Shell-Thick	SLE-QP	7.0496	-0.1870	7.75	12.93
1145	Shell-Thick	SLE-QP	7.9407	0.6470	8.85	12.93
1145	Shell-Thick	SLE-QP	6.6910	0.8420	8.85	10.76
1145	Shell-Thick	SLE-QP	5.8090	-0.1315	7.75	10.76
1146	Shell-Thick	SLU-STATICA	1.0005	-7.7187	4.64	-1.88
1146	Shell-Thick	SLU-STATICA	1.6544	-7.7325	4.84	-1.88
1146	Shell-Thick	SLU-STATICA	0.9749	-5.7777	4.84	-2.22
1146	Shell-Thick	SLU-STATICA	0.2580	-5.4181	4.64	-2.22
1146	Shell-Thick	SLU-SISMICA	0.4631	-11.9885	5.68	-0.79
1146	Shell-Thick	SLU-SISMICA	1.4724	-11.8606	6.48	-0.79
1146	Shell-Thick	SLU-SISMICA	0.6077	-8.8256	6.48	-2.12
1146	Shell-Thick	SLU-SISMICA	-0.4963	-8.4329	5.68	-2.12
1146	Shell-Thick	SLE-RARA	0.7849	-5.6360	3.46	-1.48
1146	Shell-Thick	SLE-RARA	1.2626	-5.6535	3.59	-1.48
1146	Shell-Thick	SLE-RARA	0.7570	-4.2261	3.59	-1.68
1146	Shell-Thick	SLE-RARA	0.2331	-3.9553	3.46	-1.68
1146	Shell-Thick	SLE-FREQ.	0.8097	-5.1461	3.29	-1.53
1146	Shell-Thick	SLE-FREQ.	1.2465	-5.1748	3.36	-1.53
1146	Shell-Thick	SLE-FREQ.	0.7685	-3.8715	3.36	-1.65
1146	Shell-Thick	SLE-FREQ.	0.2893	-3.6100	3.29	-1.65
1146	Shell-Thick	SLE-QP	0.8841	-3.6766	2.78	-1.69
1146	Shell-Thick	SLE-QP	1.1979	-3.7389	2.69	-1.69
1146	Shell-Thick	SLE-QP	0.8031	-2.8074	2.69	-1.55
1146	Shell-Thick	SLE-QP	0.4580	-2.5742	2.78	-1.55
1147	Shell-Thick	SLU-STATICA	1.6949	-6.8244	5.00	-0.63
1147	Shell-Thick	SLU-STATICA	2.2789	-6.9499	5.47	-0.63
1147	Shell-Thick	SLU-STATICA	1.5181	-7.0961	5.47	-1.05
1147	Shell-Thick	SLU-STATICA	0.8844	-6.9358	5.00	-1.05
1147	Shell-Thick	SLU-SISMICA	1.5447	-10.6260	6.67	2.11
1147	Shell-Thick	SLU-SISMICA	2.6354	-10.3505	8.12	2.11

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1147	Shell-Thick	SLU-SISMICA	1.5630	-10.5359	8.12	0.83
1147	Shell-Thick	SLU-SISMICA	0.3958	-10.7575	6.67	0.83
1147	Shell-Thick	SLE-RARA	1.2918	-4.9817	3.70	-0.62
1147	Shell-Thick	SLE-RARA	1.7090	-5.0968	4.01	-0.62
1147	Shell-Thick	SLE-RARA	1.1481	-5.2056	4.01	-0.89
1147	Shell-Thick	SLE-RARA	0.6945	-5.0651	3.70	-0.89
1147	Shell-Thick	SLE-FREQ.	1.2723	-4.5465	3.47	-0.83
1147	Shell-Thick	SLE-FREQ.	1.6376	-4.6916	3.69	-0.83
1147	Shell-Thick	SLE-FREQ.	1.1161	-4.7946	3.69	-1.02
1147	Shell-Thick	SLE-FREQ.	0.7175	-4.6262	3.47	-1.02
1147	Shell-Thick	SLE-QP	1.2137	-3.2407	2.79	-1.46
1147	Shell-Thick	SLE-QP	1.4233	-3.4762	2.74	-1.46
1147	Shell-Thick	SLE-QP	1.0202	-3.5615	2.74	-1.42
1147	Shell-Thick	SLE-QP	0.7866	-3.3093	2.79	-1.42
1148	Shell-Thick	SLU-STATICA	2.2963	-8.0648	5.19	0.91
1148	Shell-Thick	SLU-STATICA	2.3949	-7.9276	5.48	0.91
1148	Shell-Thick	SLU-STATICA	1.6066	-6.0828	5.48	0.41
1148	Shell-Thick	SLU-STATICA	1.4849	-6.0605	5.19	0.41
1148	Shell-Thick	SLU-SISMICA	2.6630	-12.1406	7.67	5.23
1148	Shell-Thick	SLU-SISMICA	2.9361	-11.6159	8.40	5.23
1148	Shell-Thick	SLU-SISMICA	1.7487	-8.9502	8.40	3.97
1148	Shell-Thick	SLU-SISMICA	1.4394	-9.2257	7.67	3.97
1148	Shell-Thick	SLE-RARA	1.7217	-5.9079	3.81	0.48
1148	Shell-Thick	SLE-RARA	1.7877	-5.8233	4.00	0.48
1148	Shell-Thick	SLE-RARA	1.2103	-4.4663	4.00	0.13
1148	Shell-Thick	SLE-RARA	1.1274	-4.4346	3.81	0.13
1148	Shell-Thick	SLE-FREQ.	1.6492	-5.4273	3.51	0.11
1148	Shell-Thick	SLE-FREQ.	1.6992	-5.3766	3.67	0.11
1148	Shell-Thick	SLE-FREQ.	1.1688	-4.1205	3.67	-0.16
1148	Shell-Thick	SLE-FREQ.	1.1033	-4.0651	3.51	-0.16
1148	Shell-Thick	SLE-QP	1.4314	-3.9854	2.61	-0.99
1148	Shell-Thick	SLE-QP	1.4335	-4.0365	2.65	-0.99
1148	Shell-Thick	SLE-QP	1.0443	-3.0832	2.65	-1.05
1148	Shell-Thick	SLE-QP	1.0312	-2.9567	2.61	-1.05
1149	Shell-Thick	SLU-STATICA	2.4229	-7.1669	5.62	2.13
1149	Shell-Thick	SLU-STATICA	3.2802	-6.9890	6.00	2.13
1149	Shell-Thick	SLU-STATICA	2.4116	-6.8600	6.00	1.47
1149	Shell-Thick	SLU-STATICA	1.5482	-6.9958	5.62	1.47
1149	Shell-Thick	SLU-SISMICA	2.9744	-10.5924	8.59	7.50
1149	Shell-Thick	SLU-SISMICA	4.3945	-9.9673	9.42	7.50
1149	Shell-Thick	SLU-SISMICA	3.0486	-9.8752	9.42	6.08
1149	Shell-Thick	SLU-SISMICA	1.6188	-10.4315	8.59	6.08
1149	Shell-Thick	SLE-RARA	1.8084	-5.2600	4.11	1.35
1149	Shell-Thick	SLE-RARA	2.4300	-5.1474	4.38	1.35
1149	Shell-Thick	SLE-RARA	1.7956	-5.0479	4.38	0.89
1149	Shell-Thick	SLE-RARA	1.1696	-5.1298	4.11	0.89
1149	Shell-Thick	SLE-FREQ.	1.7185	-4.8488	3.76	0.87
1149	Shell-Thick	SLE-FREQ.	2.2786	-4.7757	3.99	0.87
1149	Shell-Thick	SLE-FREQ.	1.6990	-4.6756	3.99	0.49
1149	Shell-Thick	SLE-FREQ.	1.1350	-4.7210	3.76	0.49
1149	Shell-Thick	SLE-QP	1.4487	-3.6152	2.73	-0.55
1149	Shell-Thick	SLE-QP	1.8241	-3.6607	2.82	-0.55
1149	Shell-Thick	SLE-QP	1.4091	-3.5588	2.82	-0.71
1149	Shell-Thick	SLE-QP	1.0311	-3.4945	2.73	-0.71
1150	Shell-Thick	SLU-STATICA	3.2790	-7.5209	5.88	3.55
1150	Shell-Thick	SLU-STATICA	3.5934	-7.2284	6.48	3.55
1150	Shell-Thick	SLU-STATICA	2.6705	-6.4182	6.48	2.51
1150	Shell-Thick	SLU-STATICA	2.3479	-6.6528	5.88	2.51
1150	Shell-Thick	SLU-SISMICA	4.3850	-10.8645	9.22	9.96
1150	Shell-Thick	SLU-SISMICA	5.0150	-10.0295	10.32	9.96
1150	Shell-Thick	SLU-SISMICA	3.5568	-8.9728	10.32	8.06
1150	Shell-Thick	SLU-SISMICA	2.9125	-9.7063	9.22	8.06
1150	Shell-Thick	SLE-RARA	2.4295	-5.5323	4.29	2.37
1150	Shell-Thick	SLE-RARA	2.6520	-5.3376	4.72	2.37
1150	Shell-Thick	SLE-RARA	1.9794	-4.7360	4.72	1.63
1150	Shell-Thick	SLE-RARA	1.7510	-4.8889	4.29	1.63
1150	Shell-Thick	SLE-FREQ.	2.2787	-5.1211	3.91	1.78
1150	Shell-Thick	SLE-FREQ.	2.4698	-4.9758	4.29	1.78
1150	Shell-Thick	SLE-FREQ.	1.8577	-4.4093	4.29	1.13

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1150	Shell-Thick	SLE-FREQ.	1.6614	-4.5175	3.91	1.13
1150	Shell-Thick	SLE-QP	1.8263	-3.8876	2.77	2.681E-02
1150	Shell-Thick	SLE-QP	1.9231	-3.8904	2.99	2.681E-02
1150	Shell-Thick	SLE-QP	1.4928	-3.4291	2.99	-0.36
1150	Shell-Thick	SLE-QP	1.3927	-3.4030	2.77	-0.36
1151	Shell-Thick	SLU-STATICA	3.6403	-7.0957	6.45	5.12
1151	Shell-Thick	SLU-STATICA	4.3897	-6.6989	7.16	5.12
1151	Shell-Thick	SLU-STATICA	3.3689	-6.1904	7.16	3.89
1151	Shell-Thick	SLU-STATICA	2.6183	-6.5773	6.45	3.89
1151	Shell-Thick	SLU-SISMICA	5.0739	-9.9402	10.27	12.56
1151	Shell-Thick	SLU-SISMICA	6.3517	-8.9266	11.48	12.56
1151	Shell-Thick	SLU-SISMICA	4.7220	-8.3555	11.48	10.47
1151	Shell-Thick	SLU-SISMICA	3.4412	-9.3454	10.27	10.47
1151	Shell-Thick	SLE-RARA	2.6869	-5.2350	4.70	3.51
1151	Shell-Thick	SLE-RARA	3.2285	-4.9650	5.21	3.51
1151	Shell-Thick	SLE-RARA	2.4853	-4.5828	5.21	2.62
1151	Shell-Thick	SLE-RARA	1.9430	-4.8459	4.70	2.62
1151	Shell-Thick	SLE-FREQ.	2.5029	-4.8721	4.27	2.81
1151	Shell-Thick	SLE-FREQ.	2.9877	-4.6595	4.73	2.81
1151	Shell-Thick	SLE-FREQ.	2.3128	-4.2919	4.73	2.02
1151	Shell-Thick	SLE-FREQ.	1.8274	-4.4990	4.27	2.02
1151	Shell-Thick	SLE-QP	1.9507	-3.7836	2.98	0.71
1151	Shell-Thick	SLE-QP	2.2651	-3.7431	3.28	0.71
1151	Shell-Thick	SLE-QP	1.7954	-3.4191	3.28	0.20
1151	Shell-Thick	SLE-QP	1.4808	-3.4581	2.98	0.20
1152	Shell-Thick	SLU-STATICA	4.4266	-6.8506	7.08	6.87
1152	Shell-Thick	SLU-STATICA	5.0476	-6.3154	7.92	6.87
1152	Shell-Thick	SLU-STATICA	3.9219	-5.6610	7.92	5.41
1152	Shell-Thick	SLU-STATICA	3.3009	-6.1940	7.08	5.41
1152	Shell-Thick	SLU-SISMICA	6.3921	-9.2716	11.35	15.33
1152	Shell-Thick	SLU-SISMICA	7.4937	-8.0285	12.70	15.33
1152	Shell-Thick	SLU-SISMICA	5.6907	-7.2640	12.70	13.00
1152	Shell-Thick	SLU-SISMICA	4.5866	-8.4856	11.35	13.00
1152	Shell-Thick	SLE-RARA	3.2563	-5.0703	5.15	4.78
1152	Shell-Thick	SLE-RARA	3.7029	-4.7000	5.77	4.78
1152	Shell-Thick	SLE-RARA	2.8836	-4.2097	5.77	3.72
1152	Shell-Thick	SLE-RARA	2.4372	-4.5793	5.15	3.72
1152	Shell-Thick	SLE-FREQ.	3.0145	-4.7464	4.68	3.97
1152	Shell-Thick	SLE-FREQ.	3.4106	-4.4434	5.23	3.97
1152	Shell-Thick	SLE-FREQ.	2.6672	-3.9742	5.23	3.01
1152	Shell-Thick	SLE-FREQ.	2.2714	-4.2780	4.68	3.01
1152	Shell-Thick	SLE-QP	2.2890	-3.7745	3.24	1.52
1152	Shell-Thick	SLE-QP	2.5336	-3.6734	3.63	1.52
1152	Shell-Thick	SLE-QP	2.0178	-3.2676	3.63	0.87
1152	Shell-Thick	SLE-QP	1.7742	-3.3744	3.24	0.87
1153	Shell-Thick	SLU-STATICA	5.1125	-6.2176	7.87	8.81
1153	Shell-Thick	SLU-STATICA	5.9268	-5.5380	8.84	8.81
1153	Shell-Thick	SLU-STATICA	4.6706	-5.0327	8.84	7.13
1153	Shell-Thick	SLU-STATICA	3.8608	-5.7400	7.87	7.13
1153	Shell-Thick	SLU-SISMICA	7.5725	-7.9937	12.62	18.31
1153	Shell-Thick	SLU-SISMICA	8.9545	-6.5280	14.11	18.31
1153	Shell-Thick	SLU-SISMICA	6.9466	-6.0163	14.11	15.72
1153	Shell-Thick	SLU-SISMICA	5.5695	-7.5106	12.62	15.72
1153	Shell-Thick	SLE-RARA	3.7513	-4.6228	5.73	6.21
1153	Shell-Thick	SLE-RARA	4.3401	-4.1470	6.44	6.21
1153	Shell-Thick	SLE-RARA	3.4257	-3.7645	6.44	4.97
1153	Shell-Thick	SLE-RARA	2.8403	-4.2612	5.73	4.97
1153	Shell-Thick	SLE-FREQ.	3.4567	-4.3629	5.20	5.27
1153	Shell-Thick	SLE-FREQ.	3.9843	-3.9634	5.85	5.27
1153	Shell-Thick	SLE-FREQ.	3.1542	-3.5908	5.85	4.15
1153	Shell-Thick	SLE-FREQ.	2.6298	-4.0106	5.20	4.15
1153	Shell-Thick	SLE-QP	2.5727	-3.5831	3.60	2.47
1153	Shell-Thick	SLE-QP	2.9168	-3.4126	4.07	2.47
1153	Shell-Thick	SLE-QP	2.3396	-3.0699	4.07	1.66
1153	Shell-Thick	SLE-QP	1.9985	-3.2589	3.60	1.66
1154	Shell-Thick	SLU-STATICA	5.9976	-5.5573	8.76	10.95
1154	Shell-Thick	SLU-STATICA	6.8728	-4.7102	9.88	10.95
1154	Shell-Thick	SLU-STATICA	5.4710	-4.1130	9.88	9.00
1154	Shell-Thick	SLU-STATICA	4.6022	-5.0013	8.76	9.00

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1154	Shell-Thick	SLU-SISMICA	9.0386	-6.6808	13.98	21.46
1154	Shell-Thick	SLU-SISMICA	10.5204	-4.9590	15.64	21.46
1154	Shell-Thick	SLU-SISMICA	8.2946	-4.3167	15.64	18.59
1154	Shell-Thick	SLU-SISMICA	6.8194	-6.0788	13.98	18.59
1154	Shell-Thick	SLE-RARA	4.3931	-4.1550	6.38	7.77
1154	Shell-Thick	SLE-RARA	5.0260	-3.5567	7.20	7.77
1154	Shell-Thick	SLE-RARA	4.0049	-3.1064	7.20	6.34
1154	Shell-Thick	SLE-RARA	3.3768	-3.7359	6.38	6.34
1154	Shell-Thick	SLE-FREQ.	4.0348	-3.9602	5.79	6.72
1154	Shell-Thick	SLE-FREQ.	4.6024	-3.4485	6.55	6.72
1154	Shell-Thick	SLE-FREQ.	3.6741	-3.0131	6.55	5.40
1154	Shell-Thick	SLE-FREQ.	3.1114	-3.5553	5.79	5.40
1154	Shell-Thick	SLE-QP	2.9601	-3.3758	4.03	3.55
1154	Shell-Thick	SLE-QP	3.3313	-3.1241	4.60	3.55
1154	Shell-Thick	SLE-QP	2.6817	-2.7331	4.60	2.57
1154	Shell-Thick	SLE-QP	2.3150	-3.0133	4.03	2.57
1155	Shell-Thick	SLU-STATICA	6.9726	-4.4988	9.82	13.28
1155	Shell-Thick	SLU-STATICA	7.9235	-3.4704	11.12	13.28
1155	Shell-Thick	SLU-STATICA	6.3481	-3.0644	11.12	11.02
1155	Shell-Thick	SLU-STATICA	5.4061	-4.1497	9.82	11.02
1155	Shell-Thick	SLU-SISMICA	10.6445	-4.7555	15.55	24.81
1155	Shell-Thick	SLU-SISMICA	12.2259	-2.7715	17.41	24.81
1155	Shell-Thick	SLU-SISMICA	9.7480	-2.4341	17.41	21.59
1155	Shell-Thick	SLU-SISMICA	8.1774	-4.4861	15.55	21.59
1155	Shell-Thick	SLE-RARA	5.1004	-3.3961	7.15	9.48
1155	Shell-Thick	SLE-RARA	5.7895	-2.6644	8.11	9.48
1155	Shell-Thick	SLE-RARA	4.6408	-2.3534	8.11	7.83
1155	Shell-Thick	SLE-RARA	3.9583	-3.1276	7.15	7.83
1155	Shell-Thick	SLE-FREQ.	4.6729	-3.2913	6.51	8.30
1155	Shell-Thick	SLE-FREQ.	5.2932	-2.6562	7.40	8.30
1155	Shell-Thick	SLE-FREQ.	4.2470	-2.3472	7.40	6.77
1155	Shell-Thick	SLE-FREQ.	3.6330	-3.0229	6.51	6.77
1155	Shell-Thick	SLE-QP	3.3904	-2.9769	4.57	4.76
1155	Shell-Thick	SLE-QP	3.8042	-2.6314	5.25	4.76
1155	Shell-Thick	SLE-QP	3.0655	-2.3285	5.25	3.58
1155	Shell-Thick	SLE-QP	2.6570	-2.7086	4.57	3.58
1156	Shell-Thick	SLU-STATICA	8.0405	-3.3759	11.01	15.80
1156	Shell-Thick	SLU-STATICA	9.1615	-2.1525	12.51	15.80
1156	Shell-Thick	SLU-STATICA	7.3914	-1.6034	12.51	13.21
1156	Shell-Thick	SLU-STATICA	6.2822	-2.9029	11.01	13.21
1156	Shell-Thick	SLU-SISMICA	12.3721	-2.7547	17.25	28.34
1156	Shell-Thick	SLU-SISMICA	14.2082	-0.4903	19.33	28.34
1156	Shell-Thick	SLU-SISMICA	11.4574	0.0691	19.33	24.74
1156	Shell-Thick	SLU-SISMICA	9.6352	-2.2843	17.25	24.74
1156	Shell-Thick	SLE-RARA	5.8768	-2.5890	8.03	11.34
1156	Shell-Thick	SLE-RARA	6.6905	-1.7138	9.14	11.34
1156	Shell-Thick	SLE-RARA	5.3981	-1.2983	9.14	9.43
1156	Shell-Thick	SLE-RARA	4.5932	-2.2305	8.03	9.43
1156	Shell-Thick	SLE-FREQ.	5.3759	-2.5762	7.32	10.03
1156	Shell-Thick	SLE-FREQ.	6.1108	-1.8082	8.35	10.03
1156	Shell-Thick	SLE-FREQ.	4.9309	-1.4037	8.35	8.25
1156	Shell-Thick	SLE-FREQ.	4.2044	-2.2263	7.32	8.25
1156	Shell-Thick	SLE-QP	3.8733	-2.5379	5.19	6.10
1156	Shell-Thick	SLE-QP	4.3717	-2.0912	5.99	6.10
1156	Shell-Thick	SLE-QP	3.5292	-1.7201	5.99	4.71
1156	Shell-Thick	SLE-QP	3.0380	-2.2139	5.19	4.71
1157	Shell-Thick	SLU-STATICA	9.3172	-1.7369	12.42	18.51
1157	Shell-Thick	SLU-STATICA	10.4419	-0.2930	14.16	18.51
1157	Shell-Thick	SLU-STATICA	8.4420	-0.0392	14.16	15.51
1157	Shell-Thick	SLU-STATICA	7.3285	-1.5547	12.42	15.51
1157	Shell-Thick	SLU-SISMICA	14.4085	0.0202	19.22	32.06
1157	Shell-Thick	SLU-SISMICA	16.2322	2.5892	21.58	32.06
1157	Shell-Thick	SLU-SISMICA	13.1651	2.7020	21.58	27.98
1157	Shell-Thick	SLU-SISMICA	11.3549	0.0474	19.22	27.98
1157	Shell-Thick	SLE-RARA	6.8063	-1.4036	9.08	13.35
1157	Shell-Thick	SLE-RARA	7.6237	-0.3656	10.36	13.35
1157	Shell-Thick	SLE-RARA	6.1615	-0.1663	10.36	11.13
1157	Shell-Thick	SLE-RARA	5.3525	-1.2579	9.08	11.13
1157	Shell-Thick	SLE-FREQ.	6.2201	-1.5134	8.29	11.91

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1157	Shell-Thick	SLE-FREQ.	6.9599	-0.5935	9.49	11.91
1157	Shell-Thick	SLE-FREQ.	5.6214	-0.3874	9.49	9.83
1157	Shell-Thick	SLE-FREQ.	4.8896	-1.3585	8.29	9.83
1157	Shell-Thick	SLE-QP	4.4614	-1.8428	5.95	7.58
1157	Shell-Thick	SLE-QP	4.9684	-1.2770	6.90	7.58
1157	Shell-Thick	SLE-QP	4.0012	-1.0510	6.90	5.93
1157	Shell-Thick	SLE-QP	3.5010	-1.6605	5.95	5.93
1158	Shell-Thick	SLU-STATICA	10.6270	-0.0406	14.01	21.42
1158	Shell-Thick	SLU-STATICA	12.0056	1.6226	16.00	21.42
1158	Shell-Thick	SLU-STATICA	9.7466	2.1036	16.00	17.96
1158	Shell-Thick	SLU-STATICA	8.3834	0.3407	14.01	17.96
1158	Shell-Thick	SLU-SISMICA	16.4722	2.8461	21.36	35.98
1158	Shell-Thick	SLU-SISMICA	18.6668	5.7155	24.03	35.98
1158	Shell-Thick	SLU-SISMICA	15.2520	6.1897	24.03	31.37
1158	Shell-Thick	SLU-SISMICA	13.0762	3.2002	21.36	31.37
1158	Shell-Thick	SLE-RARA	7.7612	-0.1746	10.25	15.51
1158	Shell-Thick	SLE-RARA	8.7652	1.0256	11.73	15.51
1158	Shell-Thick	SLE-RARA	7.1111	1.3904	11.73	12.94
1158	Shell-Thick	SLE-RARA	6.1186	0.1157	10.25	12.94
1158	Shell-Thick	SLE-FREQ.	7.0895	-0.4075	9.39	13.93
1158	Shell-Thick	SLE-FREQ.	8.0017	0.6640	10.78	13.93
1158	Shell-Thick	SLE-FREQ.	6.4833	1.0203	10.78	11.52
1158	Shell-Thick	SLE-FREQ.	5.5821	-0.1222	9.39	11.52
1158	Shell-Thick	SLE-QP	5.0743	-1.1063	6.82	9.19
1158	Shell-Thick	SLE-QP	5.7111	-0.4210	7.93	9.19
1158	Shell-Thick	SLE-QP	4.6000	-0.0900	7.93	7.26
1158	Shell-Thick	SLE-QP	3.9725	-0.8357	6.82	7.26
1159	Shell-Thick	SLU-STATICA	12.2308	2.3239	15.91	24.31
1159	Shell-Thick	SLU-STATICA	13.3418	3.9922	17.92	24.31
1159	Shell-Thick	SLU-STATICA	10.8018	4.0153	17.92	20.35
1159	Shell-Thick	SLU-STATICA	9.6961	2.2754	15.91	20.35
1159	Shell-Thick	SLU-SISMICA	18.9648	6.6624	23.91	39.81
1159	Shell-Thick	SLU-SISMICA	20.7244	9.4629	26.56	39.81
1159	Shell-Thick	SLU-SISMICA	16.9356	9.2587	26.56	34.58
1159	Shell-Thick	SLU-SISMICA	15.1818	6.3819	23.91	34.58
1159	Shell-Thick	SLE-RARA	8.9322	1.5448	11.65	17.65
1159	Shell-Thick	SLE-RARA	9.7417	2.7525	13.15	17.65
1159	Shell-Thick	SLE-RARA	7.8793	2.7813	13.15	14.71
1159	Shell-Thick	SLE-RARA	7.0737	1.5195	11.65	14.71
1159	Shell-Thick	SLE-FREQ.	8.1586	1.1502	10.71	15.94
1159	Shell-Thick	SLE-FREQ.	8.8948	2.2350	12.11	15.94
1159	Shell-Thick	SLE-FREQ.	7.1809	2.2818	12.11	13.18
1159	Shell-Thick	SLE-FREQ.	6.4485	1.1446	10.71	13.18
1159	Shell-Thick	SLE-QP	5.8377	-0.0337	7.88	10.81
1159	Shell-Thick	SLE-QP	6.3541	0.6826	9.01	10.81
1159	Shell-Thick	SLE-QP	5.0859	0.7833	9.01	8.58
1159	Shell-Thick	SLE-QP	4.5728	0.0197	7.88	8.58
1160	Shell-Thick	SLU-STATICA	1.4654	-6.6895	5.48	-0.88
1160	Shell-Thick	SLU-STATICA	1.5857	-7.2157	4.48	-0.88
1160	Shell-Thick	SLU-STATICA	0.9022	-5.2643	4.48	-1.619E-02
1160	Shell-Thick	SLU-STATICA	0.6562	-4.6386	5.46	-1.619E-02
1160	Shell-Thick	SLU-SISMICA	1.2016	-10.3514	6.81	1.14
1160	Shell-Thick	SLU-SISMICA	1.5424	-10.7886	6.23	1.14
1160	Shell-Thick	SLU-SISMICA	0.6609	-7.8493	6.23	1.64
1160	Shell-Thick	SLU-SISMICA	0.1278	-7.2712	6.79	1.64
1160	Shell-Thick	SLE-RARA	1.1235	-4.8864	4.09	-0.77
1160	Shell-Thick	SLE-RARA	1.2037	-5.2896	3.31	-0.77
1160	Shell-Thick	SLE-RARA	0.6956	-3.8602	3.31	-9.488E-02
1160	Shell-Thick	SLE-RARA	0.5235	-3.3837	4.07	-9.488E-02
1160	Shell-Thick	SLE-FREQ.	1.1175	-4.4650	3.88	-0.92
1160	Shell-Thick	SLE-FREQ.	1.1776	-4.8656	3.08	-0.92
1160	Shell-Thick	SLE-FREQ.	0.6983	-3.5525	3.08	-0.23
1160	Shell-Thick	SLE-FREQ.	0.5541	-3.0839	3.86	-0.23
1160	Shell-Thick	SLE-QP	1.0994	-3.2008	3.25	-1.36
1160	Shell-Thick	SLE-QP	1.0992	-3.5934	2.40	-1.36
1160	Shell-Thick	SLE-QP	0.7063	-2.6297	2.40	-0.63
1160	Shell-Thick	SLE-QP	0.6456	-2.1846	3.23	-0.63
1161	Shell-Thick	SLU-STATICA	1.6287	-5.9840	4.70	0.44
1161	Shell-Thick	SLU-STATICA	2.6048	-5.9309	5.02	0.44

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1161	Shell-Thick	SLU-STATICA	1.8813	-6.2882	5.02	-0.11
1161	Shell-Thick	SLU-STATICA	0.8940	-6.2637	4.70	-0.11
1161	Shell-Thick	SLU-SISMICA	1.6193	-9.0991	6.51	4.02
1161	Shell-Thick	SLU-SISMICA	3.1899	-8.7526	7.33	4.02
1161	Shell-Thick	SLU-SISMICA	2.1598	-9.2758	7.33	2.61
1161	Shell-Thick	SLU-SISMICA	0.5725	-9.5058	6.51	2.61
1161	Shell-Thick	SLE-RARA	1.2346	-4.3791	3.47	0.15
1161	Shell-Thick	SLE-RARA	1.9446	-4.3535	3.69	0.15
1161	Shell-Thick	SLE-RARA	1.4117	-4.6160	3.69	-0.22
1161	Shell-Thick	SLE-RARA	0.6934	-4.5847	3.47	-0.22
1161	Shell-Thick	SLE-FREQ.	1.2049	-4.0151	3.24	-0.15
1161	Shell-Thick	SLE-FREQ.	1.8486	-4.0143	3.41	-0.15
1161	Shell-Thick	SLE-FREQ.	1.3540	-4.2567	3.41	-0.44
1161	Shell-Thick	SLE-FREQ.	0.7027	-4.2052	3.24	-0.44
1161	Shell-Thick	SLE-QP	1.1159	-2.9232	2.53	-1.04
1161	Shell-Thick	SLE-QP	1.5605	-2.9966	2.56	-1.04
1161	Shell-Thick	SLE-QP	1.1809	-3.1787	2.56	-1.09
1161	Shell-Thick	SLE-QP	0.7307	-3.0668	2.53	-1.09
1162	Shell-Thick	SLU-STATICA	2.5793	-6.8892	4.82	1.40
1162	Shell-Thick	SLU-STATICA	2.3681	-6.7691	5.47	1.40
1162	Shell-Thick	SLU-STATICA	1.6024	-5.8370	5.47	0.28
1162	Shell-Thick	SLU-STATICA	1.8002	-5.8633	4.82	0.28
1162	Shell-Thick	SLU-SISMICA	3.1515	-10.2567	7.02	5.98
1162	Shell-Thick	SLU-SISMICA	2.9837	-9.7564	8.29	5.98
1162	Shell-Thick	SLU-SISMICA	1.8455	-8.4524	8.29	3.80
1162	Shell-Thick	SLU-SISMICA	1.9920	-8.8029	7.02	3.80
1162	Shell-Thick	SLE-RARA	1.9259	-5.0524	3.54	0.84
1162	Shell-Thick	SLE-RARA	1.7637	-4.9804	4.01	0.84
1162	Shell-Thick	SLE-RARA	1.2020	-4.2926	4.01	3.582E-02
1162	Shell-Thick	SLE-RARA	1.3545	-4.2964	3.54	3.582E-02
1162	Shell-Thick	SLE-FREQ.	1.8314	-4.6511	3.28	0.44
1162	Shell-Thick	SLE-FREQ.	1.6696	-4.6121	3.68	0.44
1162	Shell-Thick	SLE-FREQ.	1.1524	-3.9719	3.68	-0.25
1162	Shell-Thick	SLE-FREQ.	1.3053	-3.9489	3.28	-0.25
1162	Shell-Thick	SLE-QP	1.5479	-3.4472	2.47	-0.75
1162	Shell-Thick	SLE-QP	1.3874	-3.5072	2.69	-0.75
1162	Shell-Thick	SLE-QP	1.0036	-3.0095	2.69	-1.12
1162	Shell-Thick	SLE-QP	1.1578	-2.9063	2.47	-1.12
1163	Shell-Thick	SLU-STATICA	2.4397	-6.5895	5.43	2.54
1163	Shell-Thick	SLU-STATICA	3.0406	-6.3891	6.10	2.54
1163	Shell-Thick	SLU-STATICA	2.1795	-5.6798	6.10	1.38
1163	Shell-Thick	SLU-STATICA	1.5701	-5.8200	5.43	1.38
1163	Shell-Thick	SLU-SISMICA	3.0855	-9.5941	8.21	8.11
1163	Shell-Thick	SLU-SISMICA	4.1281	-8.9361	9.46	8.11
1163	Shell-Thick	SLU-SISMICA	2.8090	-8.0018	9.46	5.94
1163	Shell-Thick	SLU-SISMICA	1.7533	-8.5667	8.21	5.94
1163	Shell-Thick	SLE-RARA	1.8165	-4.8434	3.98	1.65
1163	Shell-Thick	SLE-RARA	2.2498	-4.7144	4.46	1.65
1163	Shell-Thick	SLE-RARA	1.6201	-4.1881	4.46	0.82
1163	Shell-Thick	SLE-RARA	1.1806	-4.2732	3.98	0.82
1163	Shell-Thick	SLE-FREQ.	1.7186	-4.4771	3.65	1.15
1163	Shell-Thick	SLE-FREQ.	2.1049	-4.3888	4.07	1.15
1163	Shell-Thick	SLE-FREQ.	1.5284	-3.8940	4.07	0.42
1163	Shell-Thick	SLE-FREQ.	1.1364	-3.9421	3.65	0.42
1163	Shell-Thick	SLE-QP	1.4250	-3.3780	2.67	-0.35
1163	Shell-Thick	SLE-QP	1.6704	-3.4121	2.91	-0.35
1163	Shell-Thick	SLE-QP	1.2534	-3.0117	2.91	-0.77
1163	Shell-Thick	SLE-QP	1.0039	-2.9489	2.67	-0.77
1164	Shell-Thick	SLU-STATICA	3.0795	-6.4923	6.03	3.89
1164	Shell-Thick	SLU-STATICA	3.3432	-6.1883	6.79	3.89
1164	Shell-Thick	SLU-STATICA	2.3842	-5.4506	6.79	2.58
1164	Shell-Thick	SLU-STATICA	2.1141	-5.7091	6.03	2.58
1164	Shell-Thick	SLU-SISMICA	4.1775	-9.2005	9.34	10.47
1164	Shell-Thick	SLU-SISMICA	4.7418	-8.3492	10.67	10.47
1164	Shell-Thick	SLU-SISMICA	3.2460	-7.4137	10.67	8.17
1164	Shell-Thick	SLU-SISMICA	2.6704	-8.1837	9.34	8.17
1164	Shell-Thick	SLE-RARA	2.2787	-4.7845	4.41	2.62
1164	Shell-Thick	SLE-RARA	2.4636	-4.5814	4.95	2.62
1164	Shell-Thick	SLE-RARA	1.7636	-4.0323	4.95	1.67

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1164	Shell-Thick	SLE-RARA	1.5742	-4.2027	4.41	1.67
1164	Shell-Thick	SLE-FREQ.	2.1323	-4.4440	4.03	2.01
1164	Shell-Thick	SLE-FREQ.	2.2879	-4.2909	4.51	2.01
1164	Shell-Thick	SLE-FREQ.	1.6493	-3.7716	4.51	1.17
1164	Shell-Thick	SLE-FREQ.	1.4897	-3.8957	4.03	1.17
1164	Shell-Thick	SLE-QP	1.6931	-3.4224	2.89	0.20
1164	Shell-Thick	SLE-QP	1.7609	-3.4193	3.19	0.20
1164	Shell-Thick	SLE-QP	1.3064	-2.9894	3.19	-0.33
1164	Shell-Thick	SLE-QP	1.2361	-2.9747	2.89	-0.33
1165	Shell-Thick	SLU-STATICA	3.4139	-6.1228	6.72	5.45
1165	Shell-Thick	SLU-STATICA	3.9583	-5.7024	7.58	5.45
1165	Shell-Thick	SLU-STATICA	2.8862	-4.9907	7.58	3.96
1165	Shell-Thick	SLU-STATICA	2.3390	-5.3885	6.72	3.96
1165	Shell-Thick	SLU-SISMICA	4.8348	-8.3617	10.56	13.05
1165	Shell-Thick	SLU-SISMICA	5.8130	-7.3138	11.99	13.05
1165	Shell-Thick	SLU-SISMICA	4.1242	-6.4560	11.99	10.58
1165	Shell-Thick	SLU-SISMICA	3.1406	-7.4631	10.56	10.58
1165	Shell-Thick	SLE-RARA	2.5161	-4.5279	4.90	3.75
1165	Shell-Thick	SLE-RARA	2.9069	-4.2406	5.53	3.75
1165	Shell-Thick	SLE-RARA	2.1253	-3.7086	5.53	2.67
1165	Shell-Thick	SLE-RARA	1.7324	-3.9797	4.90	2.67
1165	Shell-Thick	SLE-FREQ.	2.3372	-4.2323	4.47	3.03
1165	Shell-Thick	SLE-FREQ.	2.6828	-4.0036	5.03	3.03
1165	Shell-Thick	SLE-FREQ.	1.9712	-3.4967	5.03	2.06
1165	Shell-Thick	SLE-FREQ.	1.6238	-3.7111	4.47	2.06
1165	Shell-Thick	SLE-QP	1.8008	-3.3454	3.16	0.88
1165	Shell-Thick	SLE-QP	2.0105	-3.2927	3.54	0.88
1165	Shell-Thick	SLE-QP	1.5088	-2.8612	3.54	0.23
1165	Shell-Thick	SLE-QP	1.2980	-2.9053	3.16	0.23
1166	Shell-Thick	SLU-STATICA	4.0299	-5.6610	7.51	7.16
1166	Shell-Thick	SLU-STATICA	4.5296	-5.1061	8.49	7.16
1166	Shell-Thick	SLU-STATICA	3.3296	-4.4180	8.49	5.46
1166	Shell-Thick	SLU-STATICA	2.8287	-4.9613	7.51	5.46
1166	Shell-Thick	SLU-SISMICA	5.9034	-7.3773	11.87	15.76
1166	Shell-Thick	SLU-SISMICA	6.8335	-6.1055	13.42	15.76
1166	Shell-Thick	SLU-SISMICA	4.9386	-5.3027	13.42	13.08
1166	Shell-Thick	SLU-SISMICA	4.0042	-6.5404	11.87	13.08
1166	Shell-Thick	SLE-RARA	2.9603	-4.2041	5.47	5.00
1166	Shell-Thick	SLE-RARA	3.3174	-3.8193	6.19	5.00
1166	Shell-Thick	SLE-RARA	2.4428	-3.3036	6.19	3.76
1166	Shell-Thick	SLE-RARA	2.0848	-3.6807	5.47	3.76
1166	Shell-Thick	SLE-FREQ.	2.7333	-3.9594	4.98	4.17
1166	Shell-Thick	SLE-FREQ.	3.0463	-3.6430	5.63	4.17
1166	Shell-Thick	SLE-FREQ.	2.2504	-3.1495	5.63	3.04
1166	Shell-Thick	SLE-FREQ.	1.9368	-3.4601	4.98	3.04
1166	Shell-Thick	SLE-QP	2.0525	-3.2253	3.50	1.68
1166	Shell-Thick	SLE-QP	2.2329	-3.1141	3.96	1.68
1166	Shell-Thick	SLE-QP	1.6730	-2.6870	3.96	0.88
1166	Shell-Thick	SLE-QP	1.4928	-2.7986	3.50	0.88
1167	Shell-Thick	SLU-STATICA	4.6295	-4.9308	8.42	9.05
1167	Shell-Thick	SLU-STATICA	5.2053	-4.2311	9.55	9.05
1167	Shell-Thick	SLU-STATICA	3.8570	-3.6255	9.55	7.09
1167	Shell-Thick	SLU-STATICA	3.2824	-4.3296	8.42	7.09
1167	Shell-Thick	SLU-SISMICA	6.9622	-5.9612	13.30	18.65
1167	Shell-Thick	SLU-SISMICA	7.9969	-4.4653	15.02	18.65
1167	Shell-Thick	SLU-SISMICA	5.8723	-3.8172	15.02	15.69
1167	Shell-Thick	SLU-SISMICA	4.8376	-5.3084	13.30	15.69
1167	Shell-Thick	SLE-RARA	3.3918	-3.6849	6.13	6.38
1167	Shell-Thick	SLE-RARA	3.8052	-3.1944	6.96	6.38
1167	Shell-Thick	SLE-RARA	2.8222	-2.7376	6.96	4.95
1167	Shell-Thick	SLE-RARA	2.4097	-3.2320	6.13	4.95
1167	Shell-Thick	SLE-FREQ.	3.1164	-3.5094	5.58	5.43
1167	Shell-Thick	SLE-FREQ.	3.4819	-3.0963	6.34	5.43
1167	Shell-Thick	SLE-FREQ.	2.5870	-2.6544	6.34	4.12
1167	Shell-Thick	SLE-FREQ.	2.2225	-3.0718	5.58	4.12
1167	Shell-Thick	SLE-QP	2.2905	-2.9828	3.92	2.59
1167	Shell-Thick	SLE-QP	2.5122	-2.8023	4.48	2.59
1167	Shell-Thick	SLE-QP	1.8814	-2.4046	4.48	1.63
1167	Shell-Thick	SLE-QP	1.6608	-2.5915	3.92	1.63



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1168	Shell-Thick	SLU-STATICA	5.3205	-4.0824	9.45	11.08
1168	Shell-Thick	SLU-STATICA	5.9844	-3.2216	10.74	11.08
1168	Shell-Thick	SLU-STATICA	4.4687	-2.5740	10.74	8.85
1168	Shell-Thick	SLU-STATICA	3.8072	-3.4472	9.45	8.85
1168	Shell-Thick	SLU-SISMICA	8.1441	-4.3779	14.87	21.67
1168	Shell-Thick	SLU-SISMICA	9.3213	-2.6343	16.75	21.67
1168	Shell-Thick	SLU-SISMICA	6.9489	-1.9270	16.75	18.40
1168	Shell-Thick	SLU-SISMICA	5.7722	-3.6692	14.87	18.40
1168	Shell-Thick	SLE-RARA	3.8909	-3.0786	6.89	7.87
1168	Shell-Thick	SLE-RARA	4.3683	-2.4704	7.84	7.87
1168	Shell-Thick	SLE-RARA	3.2625	-1.9826	7.84	6.23
1168	Shell-Thick	SLE-RARA	2.7870	-2.6010	6.89	6.23
1168	Shell-Thick	SLE-FREQ.	3.5629	-2.9784	6.27	6.81
1168	Shell-Thick	SLE-FREQ.	3.9864	-2.4577	7.15	6.81
1168	Shell-Thick	SLE-FREQ.	2.9783	-1.9869	7.15	5.29
1168	Shell-Thick	SLE-FREQ.	2.5568	-2.5186	6.27	5.29
1168	Shell-Thick	SLE-QP	2.5790	-2.6779	4.43	3.61
1168	Shell-Thick	SLE-QP	2.8405	-2.4198	5.09	3.61
1168	Shell-Thick	SLE-QP	2.1255	-1.9998	5.09	2.48
1168	Shell-Thick	SLE-QP	1.8662	-2.2715	4.43	2.48
1169	Shell-Thick	SLU-STATICA	6.1338	-2.8483	10.65	13.26
1169	Shell-Thick	SLU-STATICA	6.7648	-1.8131	12.13	13.26
1169	Shell-Thick	SLU-STATICA	5.0540	-1.3647	12.13	10.70
1169	Shell-Thick	SLU-STATICA	4.4258	-2.4146	10.65	10.70
1169	Shell-Thick	SLU-SISMICA	9.5155	-2.2009	16.63	24.81
1169	Shell-Thick	SLU-SISMICA	10.6313	-0.2035	18.73	24.81
1169	Shell-Thick	SLU-SISMICA	7.9774	0.1864	18.73	21.18
1169	Shell-Thick	SLU-SISMICA	6.8634	-1.8171	16.63	21.18
1169	Shell-Thick	SLE-RARA	4.4793	-2.1905	7.77	9.48
1169	Shell-Thick	SLE-RARA	4.9333	-1.4540	8.87	9.48
1169	Shell-Thick	SLE-RARA	3.6840	-1.1114	8.87	7.59
1169	Shell-Thick	SLE-RARA	3.2321	-1.8594	7.77	7.59
1169	Shell-Thick	SLE-FREQ.	4.0910	-2.1897	7.09	8.29
1169	Shell-Thick	SLE-FREQ.	4.4939	-1.5504	8.10	8.29
1169	Shell-Thick	SLE-FREQ.	3.3529	-1.2114	8.10	6.54
1169	Shell-Thick	SLE-FREQ.	2.9521	-1.8626	7.09	6.54
1169	Shell-Thick	SLE-QP	2.9259	-2.1873	5.04	4.74
1169	Shell-Thick	SLE-QP	3.1758	-1.8397	5.82	4.74
1169	Shell-Thick	SLE-QP	2.3597	-1.5117	5.82	3.40
1169	Shell-Thick	SLE-QP	2.1121	-1.8724	5.04	3.40
1170	Shell-Thick	SLU-STATICA	6.9400	-1.5161	12.00	15.59
1170	Shell-Thick	SLU-STATICA	7.7259	-0.2987	13.69	15.59
1170	Shell-Thick	SLU-STATICA	5.7968	0.2613	13.69	12.67
1170	Shell-Thick	SLU-STATICA	5.0152	-0.9801	12.00	12.67
1170	Shell-Thick	SLU-SISMICA	10.8593	0.0989	18.54	28.09
1170	Shell-Thick	SLU-SISMICA	12.2092	2.3603	20.88	28.09
1170	Shell-Thick	SLU-SISMICA	9.2506	2.9276	20.88	24.04
1170	Shell-Thick	SLU-SISMICA	7.9035	0.6540	18.54	24.04
1170	Shell-Thick	SLE-RARA	5.0634	-1.2293	8.77	11.19
1170	Shell-Thick	SLE-RARA	5.6308	-0.3588	10.01	11.19
1170	Shell-Thick	SLE-RARA	4.2203	0.0651	10.01	9.04
1170	Shell-Thick	SLE-RARA	3.6563	-0.8241	8.77	9.04
1170	Shell-Thick	SLE-FREQ.	4.6165	-1.3317	8.01	9.89
1170	Shell-Thick	SLE-FREQ.	5.1235	-0.5685	9.17	9.89
1170	Shell-Thick	SLE-FREQ.	3.8324	-0.1556	9.17	7.88
1170	Shell-Thick	SLE-FREQ.	3.3287	-0.9381	8.01	7.88
1170	Shell-Thick	SLE-QP	3.2757	-1.6389	5.75	5.98
1170	Shell-Thick	SLE-QP	3.6017	-1.1975	6.66	5.98
1170	Shell-Thick	SLE-QP	2.6687	-0.8178	6.66	4.41
1170	Shell-Thick	SLE-QP	2.3462	-1.2800	5.75	4.41
1171	Shell-Thick	SLU-STATICA	7.9478	0.3528	13.58	18.03
1171	Shell-Thick	SLU-STATICA	8.6007	1.7751	15.51	18.03
1171	Shell-Thick	SLU-STATICA	6.4177	1.9906	15.51	14.70
1171	Shell-Thick	SLU-STATICA	5.7660	0.5655	13.58	14.70
1171	Shell-Thick	SLU-SISMICA	12.5023	3.2028	20.73	31.45
1171	Shell-Thick	SLU-SISMICA	13.6384	5.7497	23.36	31.45
1171	Shell-Thick	SLU-SISMICA	10.3313	5.7964	23.36	26.91
1171	Shell-Thick	SLU-SISMICA	9.1938	3.2664	20.73	26.91
1171	Shell-Thick	SLE-RARA	5.7954	0.1254	9.93	13.00



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1171	Shell-Thick	SLE-RARA	6.2660	1.1471	11.36	13.00
1171	Shell-Thick	SLE-RARA	4.6679	1.3187	11.36	10.53
1171	Shell-Thick	SLE-RARA	4.1983	0.2940	9.93	10.53
1171	Shell-Thick	SLE-FREQ.	5.2782	-0.1120	9.10	11.57
1171	Shell-Thick	SLE-FREQ.	5.6975	0.7922	10.44	11.57
1171	Shell-Thick	SLE-FREQ.	4.2312	0.9734	10.44	9.27
1171	Shell-Thick	SLE-FREQ.	3.8131	0.0648	9.10	9.27
1171	Shell-Thick	SLE-QP	3.7267	-0.8239	6.60	7.30
1171	Shell-Thick	SLE-QP	3.9920	-0.2726	7.66	7.30
1171	Shell-Thick	SLE-QP	2.9210	-0.0624	7.66	5.47
1171	Shell-Thick	SLE-QP	2.6575	-0.6229	6.60	5.47
1172	Shell-Thick	SLU-STATICA	8.8401	2.2379	15.34	20.43
1172	Shell-Thick	SLU-STATICA	9.6072	3.6427	17.24	20.43
1172	Shell-Thick	SLU-STATICA	7.1622	4.0500	17.24	16.68
1172	Shell-Thick	SLU-STATICA	6.3972	2.6227	15.34	16.68
1172	Shell-Thick	SLU-SISMICA	13.9550	6.3006	23.12	34.68
1172	Shell-Thick	SLU-SISMICA	15.2393	8.7555	25.66	34.68
1172	Shell-Thick	SLU-SISMICA	11.5797	9.1099	25.66	29.66
1172	Shell-Thick	SLU-SISMICA	10.2965	6.6542	23.12	29.66
1172	Shell-Thick	SLE-RARA	6.4436	1.4933	11.24	14.77
1172	Shell-Thick	SLE-RARA	6.9992	2.5055	12.64	14.77
1172	Shell-Thick	SLE-RARA	5.2070	2.8167	12.64	11.99
1172	Shell-Thick	SLE-RARA	4.6531	1.7865	11.24	11.99
1172	Shell-Thick	SLE-FREQ.	5.8644	1.1226	10.32	13.23
1172	Shell-Thick	SLE-FREQ.	6.3637	2.0235	11.64	13.23
1172	Shell-Thick	SLE-FREQ.	4.7156	2.3314	11.64	10.63
1172	Shell-Thick	SLE-FREQ.	4.2180	1.4111	10.32	10.63
1172	Shell-Thick	SLE-QP	4.1267	0.0105	7.57	8.63
1172	Shell-Thick	SLE-QP	4.4575	0.5776	8.63	8.63
1172	Shell-Thick	SLE-QP	3.2413	0.8756	8.63	6.54
1172	Shell-Thick	SLE-QP	2.9124	0.2850	7.57	6.54
1173	Shell-Thick	SLU-STATICA	-2.1562	-8.3235	6.13	-4.08
1173	Shell-Thick	SLU-STATICA	0.8513	-2.4003	5.69	-4.07
1173	Shell-Thick	SLU-STATICA	4.7643	-2.1403	5.68	-3.60
1173	Shell-Thick	SLU-STATICA	0.4987	-6.7975	6.55	-3.32
1173	Shell-Thick	SLU-SISMICA	-4.0951	-12.6584	7.71	-4.23
1173	Shell-Thick	SLU-SISMICA	0.4822	-3.7208	7.51	-4.23
1173	Shell-Thick	SLU-SISMICA	6.3514	-3.2076	7.51	-4.02
1173	Shell-Thick	SLU-SISMICA	-0.0477	-10.2302	7.91	-3.89
1173	Shell-Thick	SLE-RARA	-1.5372	-6.0910	4.57	-3.08
1173	Shell-Thick	SLE-RARA	0.6635	-1.7530	4.22	-3.07
1173	Shell-Thick	SLE-RARA	3.5310	-1.5686	4.21	-2.70
1173	Shell-Thick	SLE-RARA	0.4051	-4.9797	4.90	-2.49
1173	Shell-Thick	SLE-FREQ.	-1.3399	-5.5846	4.32	-2.99
1173	Shell-Thick	SLE-FREQ.	0.6774	-1.6013	3.97	-2.98
1173	Shell-Thick	SLE-FREQ.	3.3135	-1.4422	3.96	-2.60
1173	Shell-Thick	SLE-FREQ.	0.4400	-4.5748	4.66	-2.38
1173	Shell-Thick	SLE-QP	-0.7482	-4.0653	3.60	-2.73
1173	Shell-Thick	SLE-QP	0.7194	-1.1461	3.20	-2.72
1173	Shell-Thick	SLE-QP	2.6611	-1.0631	3.19	-2.30
1173	Shell-Thick	SLE-QP	0.5448	-3.3602	3.97	-2.06
1174	Shell-Thick	SLU-STATICA	2.2994	-6.1684	3.03	-0.24
1174	Shell-Thick	SLU-STATICA	1.1840	-6.2419	4.42	-0.24
1174	Shell-Thick	SLU-STATICA	0.6324	-5.2212	4.42	-2.64
1174	Shell-Thick	SLU-STATICA	1.7334	-5.0448	3.03	-2.64
1174	Shell-Thick	SLU-SISMICA	2.5962	-9.3511	3.60	2.44
1174	Shell-Thick	SLU-SISMICA	1.0637	-9.2450	6.05	2.44
1174	Shell-Thick	SLU-SISMICA	0.3506	-7.7307	6.05	-1.81
1174	Shell-Thick	SLU-SISMICA	1.8612	-7.6792	3.60	-1.81
1174	Shell-Thick	SLE-RARA	1.7276	-4.5155	2.27	-0.31
1174	Shell-Thick	SLE-RARA	0.9031	-4.5801	3.27	-0.31
1174	Shell-Thick	SLE-RARA	0.4932	-3.8313	3.27	-2.04
1174	Shell-Thick	SLE-RARA	1.3071	-3.6914	2.27	-2.04
1174	Shell-Thick	SLE-FREQ.	1.6606	-4.1426	2.16	-0.52
1174	Shell-Thick	SLE-FREQ.	0.8907	-4.2204	3.05	-0.52
1174	Shell-Thick	SLE-FREQ.	0.5042	-3.5306	3.05	-2.06
1174	Shell-Thick	SLE-FREQ.	1.2644	-3.3839	2.16	-2.06
1174	Shell-Thick	SLE-QP	1.4596	-3.0239	1.86	-1.16
1174	Shell-Thick	SLE-QP	0.8536	-3.1412	2.41	-1.16

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1174	Shell-Thick	SLE-QP	0.5372	-2.6285	2.41	-2.11
1174	Shell-Thick	SLE-QP	1.1362	-2.4614	1.86	-2.11
1175	Shell-Thick	SLU-STATICA	1.3557	-5.8732	4.30	0.33
1175	Shell-Thick	SLU-STATICA	1.9659	-5.8433	5.03	0.33
1175	Shell-Thick	SLU-STATICA	1.2734	-4.7406	5.03	-0.94
1175	Shell-Thick	SLU-STATICA	0.6471	-4.6578	4.30	-0.94
1175	Shell-Thick	SLU-SISMICA	1.3213	-8.8001	5.85	3.88
1175	Shell-Thick	SLU-SISMICA	2.3487	-8.4887	7.31	3.88
1175	Shell-Thick	SLU-SISMICA	1.3731	-6.8843	7.31	1.37
1175	Shell-Thick	SLU-SISMICA	0.3221	-7.0300	5.85	1.37
1175	Shell-Thick	SLE-RARA	1.0290	-4.3045	3.18	7.137E-02
1175	Shell-Thick	SLE-RARA	1.4705	-4.2959	3.70	7.137E-02
1175	Shell-Thick	SLE-RARA	0.9600	-3.4853	3.70	-0.82
1175	Shell-Thick	SLE-RARA	0.5065	-3.4112	3.18	-0.82
1175	Shell-Thick	SLE-FREQ.	1.0064	-3.9579	2.98	-0.22
1175	Shell-Thick	SLE-FREQ.	1.4028	-3.9726	3.42	-0.22
1175	Shell-Thick	SLE-FREQ.	0.9281	-3.2232	3.42	-0.99
1175	Shell-Thick	SLE-FREQ.	0.5207	-3.1321	2.98	-0.99
1175	Shell-Thick	SLE-QP	0.9388	-2.9179	2.36	-1.10
1175	Shell-Thick	SLE-QP	1.1997	-3.0026	2.59	-1.10
1175	Shell-Thick	SLE-QP	0.8325	-2.4369	2.59	-1.50
1175	Shell-Thick	SLE-QP	0.5634	-2.2950	2.36	-1.50
1176	Shell-Thick	SLU-STATICA	2.0035	-5.7848	5.00	1.34
1176	Shell-Thick	SLU-STATICA	1.9027	-5.6836	5.67	1.34
1176	Shell-Thick	SLU-STATICA	1.1072	-4.9559	5.67	0.19
1176	Shell-Thick	SLU-STATICA	1.1981	-4.9878	5.00	0.19
1176	Shell-Thick	SLU-SISMICA	2.4046	-8.4951	7.24	5.90
1176	Shell-Thick	SLU-SISMICA	2.4083	-8.0232	8.53	5.90
1176	Shell-Thick	SLU-SISMICA	1.2332	-7.0359	8.53	3.66
1176	Shell-Thick	SLU-SISMICA	1.2136	-7.3961	7.24	3.66
1176	Shell-Thick	SLE-RARA	1.4981	-4.2484	3.68	0.79
1176	Shell-Thick	SLE-RARA	1.4165	-4.1901	4.15	0.79
1176	Shell-Thick	SLE-RARA	0.8327	-3.6516	4.15	-2.818E-02
1176	Shell-Thick	SLE-RARA	0.9071	-3.6595	3.68	-2.818E-02
1176	Shell-Thick	SLE-FREQ.	1.4282	-3.9209	3.40	0.39
1176	Shell-Thick	SLE-FREQ.	1.3401	-3.8945	3.81	0.39
1176	Shell-Thick	SLE-FREQ.	0.8018	-3.3907	3.81	-0.31
1176	Shell-Thick	SLE-FREQ.	0.8834	-3.3713	3.40	-0.31
1176	Shell-Thick	SLE-QP	1.2185	-2.9384	2.58	-0.79
1176	Shell-Thick	SLE-QP	1.1106	-3.0078	2.80	-0.79
1176	Shell-Thick	SLE-QP	0.7092	-2.6077	2.80	-1.17
1176	Shell-Thick	SLE-QP	0.8125	-2.5069	2.58	-1.17
1177	Shell-Thick	SLU-STATICA	1.9750	-5.7022	5.58	2.60
1177	Shell-Thick	SLU-STATICA	2.3207	-5.4980	6.30	2.60
1177	Shell-Thick	SLU-STATICA	1.4342	-4.5765	6.30	1.35
1177	Shell-Thick	SLU-STATICA	1.0793	-4.7157	5.58	1.35
1177	Shell-Thick	SLU-SISMICA	2.5112	-8.1529	8.38	8.21
1177	Shell-Thick	SLU-SISMICA	3.1778	-7.4899	9.71	8.21
1177	Shell-Thick	SLU-SISMICA	1.8272	-6.2585	9.71	5.91
1177	Shell-Thick	SLU-SISMICA	1.1469	-6.8234	8.38	5.91
1177	Shell-Thick	SLE-RARA	1.4698	-4.1987	4.09	1.69
1177	Shell-Thick	SLE-RARA	1.7158	-4.0668	4.60	1.69
1177	Shell-Thick	SLE-RARA	1.0671	-3.3840	4.60	0.79
1177	Shell-Thick	SLE-RARA	0.8144	-3.4683	4.09	0.79
1177	Shell-Thick	SLE-FREQ.	1.3895	-3.8937	3.76	1.19
1177	Shell-Thick	SLE-FREQ.	1.6030	-3.8029	4.21	1.19
1177	Shell-Thick	SLE-FREQ.	1.0085	-3.1623	4.21	0.40
1177	Shell-Thick	SLE-FREQ.	0.7888	-3.2095	3.76	0.40
1177	Shell-Thick	SLE-QP	1.1486	-2.9790	2.76	-0.32
1177	Shell-Thick	SLE-QP	1.2648	-3.0110	3.03	-0.32
1177	Shell-Thick	SLE-QP	0.8327	-2.4973	3.03	-0.78
1177	Shell-Thick	SLE-QP	0.7119	-2.4334	2.76	-0.78
1178	Shell-Thick	SLU-STATICA	2.3850	-5.3717	6.25	3.96
1178	Shell-Thick	SLU-STATICA	2.5524	-5.0650	7.06	3.96
1178	Shell-Thick	SLU-STATICA	1.5564	-4.3778	7.06	2.56
1178	Shell-Thick	SLU-STATICA	1.3826	-4.6390	6.25	2.56
1178	Shell-Thick	SLU-SISMICA	3.2644	-7.4178	9.63	10.59
1178	Shell-Thick	SLU-SISMICA	3.6940	-6.5625	11.03	10.59
1178	Shell-Thick	SLU-SISMICA	2.1494	-5.7142	11.03	8.16

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1178	Shell-Thick	SLU-SISMICA	1.7088	-6.4898	9.63	8.16
1178	Shell-Thick	SLE-RARA	1.7634	-3.9684	4.57	2.67
1178	Shell-Thick	SLE-RARA	1.8772	-3.7633	5.15	2.67
1178	Shell-Thick	SLE-RARA	1.1498	-3.2506	5.15	1.66
1178	Shell-Thick	SLE-RARA	1.0314	-3.4229	4.57	1.66
1178	Shell-Thick	SLE-FREQ.	1.6476	-3.7024	4.18	2.06
1178	Shell-Thick	SLE-FREQ.	1.7371	-3.5475	4.70	2.06
1178	Shell-Thick	SLE-FREQ.	1.0727	-3.0606	4.70	1.16
1178	Shell-Thick	SLE-FREQ.	0.9792	-3.1864	4.18	1.16
1178	Shell-Thick	SLE-QP	1.3004	-2.9044	3.01	0.23
1178	Shell-Thick	SLE-QP	1.3168	-2.8999	3.34	0.23
1178	Shell-Thick	SLE-QP	0.8414	-2.4907	3.34	-0.34
1178	Shell-Thick	SLE-QP	0.8225	-2.4769	3.01	-0.34
1179	Shell-Thick	SLU-STATICA	2.6449	-4.9610	6.98	5.49
1179	Shell-Thick	SLU-STATICA	2.9214	-4.5367	7.91	5.49
1179	Shell-Thick	SLU-STATICA	1.8064	-3.7848	7.91	3.87
1179	Shell-Thick	SLU-STATICA	1.5252	-4.1751	6.98	3.87
1179	Shell-Thick	SLU-SISMICA	3.8182	-6.5206	10.90	13.12
1179	Shell-Thick	SLU-SISMICA	4.4048	-5.4665	12.43	13.12
1179	Shell-Thick	SLU-SISMICA	2.6583	-4.5638	12.43	10.47
1179	Shell-Thick	SLU-SISMICA	2.0641	-5.5617	10.90	10.47
1179	Shell-Thick	SLE-RARA	1.9457	-3.6814	5.09	3.78
1179	Shell-Thick	SLE-RARA	2.1398	-3.3913	5.77	3.78
1179	Shell-Thick	SLE-RARA	1.3263	-2.8291	5.77	2.61
1179	Shell-Thick	SLE-RARA	1.1289	-3.0945	5.09	2.61
1179	Shell-Thick	SLE-FREQ.	1.8013	-3.4625	4.65	3.06
1179	Shell-Thick	SLE-FREQ.	1.9651	-3.2313	5.26	3.06
1179	Shell-Thick	SLE-FREQ.	1.2236	-2.6953	5.26	2.00
1179	Shell-Thick	SLE-FREQ.	1.0568	-2.9042	4.65	2.00
1179	Shell-Thick	SLE-QP	1.3681	-2.8056	3.30	0.90
1179	Shell-Thick	SLE-QP	1.4411	-2.7512	3.72	0.90
1179	Shell-Thick	SLE-QP	0.9155	-2.2940	3.72	0.18
1179	Shell-Thick	SLE-QP	0.8404	-2.3335	3.30	0.18
1180	Shell-Thick	SLU-STATICA	3.0263	-4.3341	7.84	7.12
1180	Shell-Thick	SLU-STATICA	3.3220	-3.7793	8.90	7.12
1180	Shell-Thick	SLU-STATICA	2.0685	-3.1255	8.90	5.29
1180	Shell-Thick	SLU-STATICA	1.7689	-3.6509	7.84	5.29
1180	Shell-Thick	SLU-SISMICA	4.5427	-5.2982	12.31	15.73
1180	Shell-Thick	SLU-SISMICA	5.1793	-4.0250	13.97	15.73
1180	Shell-Thick	SLU-SISMICA	3.2116	-3.2840	13.97	12.86
1180	Shell-Thick	SLU-SISMICA	2.5671	-4.4983	12.31	12.86
1180	Shell-Thick	SLE-RARA	2.2176	-3.2361	5.72	4.97
1180	Shell-Thick	SLE-RARA	2.4247	-2.8515	6.49	4.97
1180	Shell-Thick	SLE-RARA	1.5104	-2.3604	6.49	3.63
1180	Shell-Thick	SLE-RARA	1.3006	-2.7242	5.72	3.63
1180	Shell-Thick	SLE-FREQ.	2.0383	-3.0770	5.21	4.14
1180	Shell-Thick	SLE-FREQ.	2.2123	-2.7610	5.91	4.14
1180	Shell-Thick	SLE-FREQ.	1.3792	-2.2892	5.91	2.92
1180	Shell-Thick	SLE-FREQ.	1.2029	-2.5874	5.21	2.92
1180	Shell-Thick	SLE-QP	1.5004	-2.6000	3.68	1.65
1180	Shell-Thick	SLE-QP	1.5750	-2.4895	4.18	1.65
1180	Shell-Thick	SLE-QP	0.9857	-2.0755	4.18	0.79
1180	Shell-Thick	SLE-QP	0.9099	-2.1770	3.68	0.79
1181	Shell-Thick	SLU-STATICA	3.4569	-3.4679	8.81	8.88
1181	Shell-Thick	SLU-STATICA	3.7102	-2.7750	10.02	8.88
1181	Shell-Thick	SLU-STATICA	2.2985	-2.2219	10.02	6.79
1181	Shell-Thick	SLU-STATICA	2.0424	-2.8925	8.81	6.79
1181	Shell-Thick	SLU-SISMICA	5.3575	-3.6866	13.84	18.45
1181	Shell-Thick	SLU-SISMICA	5.9224	-2.1978	15.67	18.45
1181	Shell-Thick	SLU-SISMICA	3.7111	-1.6397	15.67	15.29
1181	Shell-Thick	SLU-SISMICA	3.1407	-3.0855	13.84	15.29
1181	Shell-Thick	SLE-RARA	2.5247	-2.6169	6.43	6.26
1181	Shell-Thick	SLE-RARA	2.7012	-2.1315	7.31	6.26
1181	Shell-Thick	SLE-RARA	1.6713	-1.7126	7.31	4.72
1181	Shell-Thick	SLE-RARA	1.4929	-2.1822	6.43	4.72
1181	Shell-Thick	SLE-FREQ.	2.3063	-2.5344	5.85	5.32
1181	Shell-Thick	SLE-FREQ.	2.4528	-2.1264	6.67	5.32
1181	Shell-Thick	SLE-FREQ.	1.5140	-1.7183	6.67	3.91
1181	Shell-Thick	SLE-FREQ.	1.3659	-2.1125	5.85	3.91

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1181	Shell-Thick	SLE-QP	1.6509	-2.2869	4.14	2.49
1181	Shell-Thick	SLE-QP	1.7076	-2.1110	4.74	2.49
1181	Shell-Thick	SLE-QP	1.0421	-1.7351	4.74	1.46
1181	Shell-Thick	SLE-QP	0.9847	-1.9035	4.14	1.46
1182	Shell-Thick	SLU-STATICA	3.8670	-2.4514	9.92	10.75
1182	Shell-Thick	SLU-STATICA	4.2181	-1.6069	11.29	10.75
1182	Shell-Thick	SLU-STATICA	2.6289	-1.0593	11.29	8.39
1182	Shell-Thick	SLU-STATICA	2.2749	-1.8801	9.92	8.39
1182	Shell-Thick	SLU-SISMICA	6.1284	-1.8638	15.51	21.24
1182	Shell-Thick	SLU-SISMICA	6.8528	-0.1389	17.51	21.24
1182	Shell-Thick	SLU-SISMICA	4.3794	0.4111	17.51	17.79
1182	Shell-Thick	SLU-SISMICA	3.6479	-1.2596	15.51	17.79
1182	Shell-Thick	SLE-RARA	2.8175	-1.8868	7.24	7.63
1182	Shell-Thick	SLE-RARA	3.0649	-1.2907	8.24	7.63
1182	Shell-Thick	SLE-RARA	1.9048	-0.8760	8.24	5.89
1182	Shell-Thick	SLE-RARA	1.6553	-1.4555	7.24	5.89
1182	Shell-Thick	SLE-FREQ.	2.5622	-1.8886	6.60	6.58
1182	Shell-Thick	SLE-FREQ.	2.7728	-1.3795	7.53	6.58
1182	Shell-Thick	SLE-FREQ.	1.7140	-0.9752	7.53	4.97
1182	Shell-Thick	SLE-FREQ.	1.5017	-1.4706	6.60	4.97
1182	Shell-Thick	SLE-QP	1.7962	-1.8939	4.68	3.43
1182	Shell-Thick	SLE-QP	1.8966	-1.6460	5.38	3.43
1182	Shell-Thick	SLE-QP	1.1415	-1.2730	5.38	2.22
1182	Shell-Thick	SLE-QP	1.0407	-1.5159	4.68	2.22
1183	Shell-Thick	SLU-STATICA	4.4121	-1.0404	11.19	12.71
1183	Shell-Thick	SLU-STATICA	4.6181	-0.0348	12.74	12.71
1183	Shell-Thick	SLU-STATICA	2.8246	0.2453	12.74	10.03
1183	Shell-Thick	SLU-STATICA	2.6145	-0.7280	11.19	10.03
1183	Shell-Thick	SLU-SISMICA	7.1095	0.5663	17.37	24.09
1183	Shell-Thick	SLU-SISMICA	7.6074	2.5279	19.58	24.09
1183	Shell-Thick	SLU-SISMICA	4.8397	2.6587	19.58	20.28
1183	Shell-Thick	SLU-SISMICA	4.3336	0.7599	17.37	20.28
1183	Shell-Thick	SLE-RARA	3.2088	-0.8684	8.17	9.07
1183	Shell-Thick	SLE-RARA	3.3504	-0.1540	9.32	9.07
1183	Shell-Thick	SLE-RARA	2.0399	0.0656	9.32	7.09
1183	Shell-Thick	SLE-RARA	1.8954	-0.6258	8.17	7.09
1183	Shell-Thick	SLE-FREQ.	2.9080	-0.9791	7.46	7.91
1183	Shell-Thick	SLE-FREQ.	3.0221	-0.3608	8.52	7.91
1183	Shell-Thick	SLE-FREQ.	1.8240	-0.1343	8.52	6.08
1183	Shell-Thick	SLE-FREQ.	1.7074	-0.7326	7.46	6.08
1183	Shell-Thick	SLE-QP	2.0056	-1.3110	5.33	4.43
1183	Shell-Thick	SLE-QP	2.0373	-0.9813	6.15	4.43
1183	Shell-Thick	SLE-QP	1.1763	-0.7342	6.15	3.02
1183	Shell-Thick	SLE-QP	1.1434	-1.0532	5.33	3.02
1184	Shell-Thick	SLU-STATICA	4.8410	0.4763	12.60	14.76
1184	Shell-Thick	SLU-STATICA	5.1792	1.6471	14.34	14.76
1184	Shell-Thick	SLU-STATICA	3.1600	1.9493	14.34	11.76
1184	Shell-Thick	SLU-STATICA	2.8175	0.8133	12.60	11.76
1184	Shell-Thick	SLU-SISMICA	7.9019	3.1275	19.37	26.99
1184	Shell-Thick	SLU-SISMICA	8.6030	5.3313	21.79	26.99
1184	Shell-Thick	SLU-SISMICA	5.5203	5.5097	21.79	22.82
1184	Shell-Thick	SLU-SISMICA	4.8094	3.3802	19.37	22.82
1184	Shell-Thick	SLE-RARA	3.5157	0.2288	9.21	10.58
1184	Shell-Thick	SLE-RARA	3.7539	1.0645	10.50	10.58
1184	Shell-Thick	SLE-RARA	2.2769	1.2996	10.50	8.36
1184	Shell-Thick	SLE-RARA	2.0357	0.4884	9.21	8.36
1184	Shell-Thick	SLE-FREQ.	3.1775	0.0053	8.43	9.31
1184	Shell-Thick	SLE-FREQ.	3.3799	0.7355	9.63	9.31
1184	Shell-Thick	SLE-FREQ.	2.0267	0.9750	9.63	7.24
1184	Shell-Thick	SLE-FREQ.	1.8218	0.2654	8.43	7.24
1184	Shell-Thick	SLE-QP	2.1628	-0.6653	6.08	5.51
1184	Shell-Thick	SLE-QP	2.2581	-0.2516	7.01	5.51
1184	Shell-Thick	SLE-QP	1.2764	0.0010	7.01	3.90
1184	Shell-Thick	SLE-QP	1.1801	-0.4036	6.08	3.90
1185	Shell-Thick	SLU-STATICA	5.4302	2.4771	14.24	16.71
1185	Shell-Thick	SLU-STATICA	5.4783	3.6654	15.93	16.71
1185	Shell-Thick	SLU-STATICA	3.2170	3.5054	15.93	13.38
1185	Shell-Thick	SLU-STATICA	3.1646	2.3974	14.24	13.38
1185	Shell-Thick	SLU-SISMICA	8.9369	6.4236	21.65	29.69

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1185	Shell-Thick	SLU-SISMICA	9.1720	8.5871	23.95	29.69
1185	Shell-Thick	SLU-SISMICA	5.7551	8.0671	23.95	25.15
1185	Shell-Thick	SLU-SISMICA	5.5120	6.0456	21.65	25.15
1185	Shell-Thick	SLE-RARA	3.9400	1.6804	10.42	12.01
1185	Shell-Thick	SLE-RARA	3.9671	2.5322	11.67	12.01
1185	Shell-Thick	SLE-RARA	2.3112	2.4289	11.67	9.55
1185	Shell-Thick	SLE-RARA	2.2810	1.6349	10.42	9.55
1185	Shell-Thick	SLE-FREQ.	3.5547	1.3146	9.56	10.65
1185	Shell-Thick	SLE-FREQ.	3.5658	2.0653	10.73	10.65
1185	Shell-Thick	SLE-FREQ.	2.0456	1.9941	10.73	8.35
1185	Shell-Thick	SLE-FREQ.	2.0318	1.2947	9.56	8.35
1185	Shell-Thick	SLE-QP	2.3987	0.2174	6.96	6.56
1185	Shell-Thick	SLE-QP	2.3617	0.6646	7.88	6.56
1185	Shell-Thick	SLE-QP	1.2489	0.6898	7.88	4.74
1185	Shell-Thick	SLE-QP	1.2843	0.2744	6.96	4.74
1186	Shell-Thick	SLU-STATICA	0.3435	-5.1584	4.65	-2.53
1186	Shell-Thick	SLU-STATICA	1.2999	-5.2521	4.28	-2.53
1186	Shell-Thick	SLU-STATICA	0.6446	-2.8434	4.28	-1.91
1186	Shell-Thick	SLU-STATICA	-0.3411	-2.5511	4.65	-1.91
1186	Shell-Thick	SLU-SISMICA	-0.2619	-7.8300	5.53	-1.63
1186	Shell-Thick	SLU-SISMICA	1.2282	-7.8290	5.54	-1.63
1186	Shell-Thick	SLU-SISMICA	0.4192	-4.1919	5.54	-1.65
1186	Shell-Thick	SLU-SISMICA	-1.1129	-3.9056	5.53	-1.65
1186	Shell-Thick	SLE-RARA	0.2905	-3.7756	3.48	-1.96
1186	Shell-Thick	SLE-RARA	0.9886	-3.8513	3.18	-1.96
1186	Shell-Thick	SLE-RARA	0.4996	-2.0873	3.18	-1.46
1186	Shell-Thick	SLE-RARA	-0.2200	-1.8655	3.48	-1.46
1186	Shell-Thick	SLE-FREQ.	0.3330	-3.4629	3.32	-1.99
1186	Shell-Thick	SLE-FREQ.	0.9701	-3.5446	3.00	-1.99
1186	Shell-Thick	SLE-FREQ.	0.5058	-1.9250	3.00	-1.44
1186	Shell-Thick	SLE-FREQ.	-0.1511	-1.7082	3.32	-1.44
1186	Shell-Thick	SLE-QP	0.4608	-2.5250	2.84	-2.07
1186	Shell-Thick	SLE-QP	0.9147	-2.6244	2.46	-2.07
1186	Shell-Thick	SLE-QP	0.5245	-1.4382	2.46	-1.40
1186	Shell-Thick	SLE-QP	0.0555	-1.2363	2.84	-1.40
1187	Shell-Thick	SLU-STATICA	1.2550	-4.6498	4.47	-1.02
1187	Shell-Thick	SLU-STATICA	0.7865	-4.7244	4.74	-1.02
1187	Shell-Thick	SLU-STATICA	0.1005	-4.2387	4.74	-1.47
1187	Shell-Thick	SLU-STATICA	0.5593	-4.0971	4.47	-1.47
1187	Shell-Thick	SLU-SISMICA	1.1748	-7.0008	5.79	1.27
1187	Shell-Thick	SLU-SISMICA	0.5991	-6.8978	6.58	1.27
1187	Shell-Thick	SLU-SISMICA	-0.3210	-6.1841	6.58	-9.491E-02
1187	Shell-Thick	SLU-SISMICA	0.2399	-6.1836	5.79	-9.491E-02
1187	Shell-Thick	SLE-RARA	0.9549	-3.4062	3.32	-0.88
1187	Shell-Thick	SLE-RARA	0.6053	-3.4716	3.50	-0.88
1187	Shell-Thick	SLE-RARA	0.0972	-3.1149	3.50	-1.18
1187	Shell-Thick	SLE-RARA	0.4397	-3.0005	3.32	-1.18
1187	Shell-Thick	SLE-FREQ.	0.9380	-3.1290	3.13	-1.05
1187	Shell-Thick	SLE-FREQ.	0.6058	-3.2074	3.26	-1.05
1187	Shell-Thick	SLE-FREQ.	0.1294	-2.8782	3.26	-1.27
1187	Shell-Thick	SLE-FREQ.	0.4551	-2.7551	3.13	-1.27
1187	Shell-Thick	SLE-QP	0.8871	-2.2975	2.56	-1.55
1187	Shell-Thick	SLE-QP	0.6072	-2.4147	2.55	-1.55
1187	Shell-Thick	SLE-QP	0.2262	-2.1681	2.55	-1.52
1187	Shell-Thick	SLE-QP	0.5013	-2.0187	2.56	-1.52
1188	Shell-Thick	SLU-STATICA	0.8346	-5.0284	4.61	0.21
1188	Shell-Thick	SLU-STATICA	1.0761	-4.9942	5.10	0.21
1188	Shell-Thick	SLU-STATICA	0.3557	-3.7727	5.10	-0.63
1188	Shell-Thick	SLU-STATICA	0.0990	-3.7016	4.61	-0.63
1188	Shell-Thick	SLU-SISMICA	0.6754	-7.4355	6.36	3.71
1188	Shell-Thick	SLU-SISMICA	1.1551	-7.1198	7.46	3.71
1188	Shell-Thick	SLU-SISMICA	0.1290	-5.3594	7.46	1.80
1188	Shell-Thick	SLU-SISMICA	-0.3726	-5.5227	6.36	1.80
1188	Shell-Thick	SLE-RARA	0.6404	-3.6903	3.40	-1.528E-02
1188	Shell-Thick	SLE-RARA	0.8114	-3.6784	3.74	-1.528E-02
1188	Shell-Thick	SLE-RARA	0.2808	-2.7796	3.74	-0.60
1188	Shell-Thick	SLE-RARA	0.0985	-2.7141	3.40	-0.60
1188	Shell-Thick	SLE-FREQ.	0.6377	-3.4015	3.18	-0.30
1188	Shell-Thick	SLE-FREQ.	0.7849	-3.4130	3.46	-0.30

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1188	Shell-Thick	SLE-FREQ.	0.2925	-2.5807	3.46	-0.79
1188	Shell-Thick	SLE-FREQ.	0.1349	-2.4975	3.18	-0.79
1188	Shell-Thick	SLE-QP	0.6296	-2.5351	2.49	-1.16
1188	Shell-Thick	SLE-QP	0.7054	-2.6169	2.60	-1.16
1188	Shell-Thick	SLE-QP	0.3276	-1.9839	2.60	-1.34
1188	Shell-Thick	SLE-QP	0.2439	-1.8478	2.49	-1.34
1189	Shell-Thick	SLU-STATICA	1.1175	-4.7363	5.11	1.33
1189	Shell-Thick	SLU-STATICA	0.9992	-4.6353	5.69	1.33
1189	Shell-Thick	SLU-STATICA	0.1932	-4.0448	5.69	0.31
1189	Shell-Thick	SLU-STATICA	0.3031	-4.0864	5.11	0.31
1189	Shell-Thick	SLU-SISMICA	1.2175	-6.8318	7.45	5.89
1189	Shell-Thick	SLU-SISMICA	1.2018	-6.3611	8.64	5.89
1189	Shell-Thick	SLU-SISMICA	9.199E-04	-5.5899	8.64	3.83
1189	Shell-Thick	SLU-SISMICA	0.0031	-5.9646	7.45	3.83
1189	Shell-Thick	SLE-RARA	0.8418	-3.4844	3.75	0.78
1189	Shell-Thick	SLE-RARA	0.7470	-3.4263	4.17	0.78
1189	Shell-Thick	SLE-RARA	0.1560	-2.9879	4.17	6.059E-02
1189	Shell-Thick	SLE-RARA	0.2446	-3.0028	3.75	6.059E-02
1189	Shell-Thick	SLE-FREQ.	0.8128	-3.2263	3.47	0.38
1189	Shell-Thick	SLE-FREQ.	0.7120	-3.2000	3.82	0.38
1189	Shell-Thick	SLE-FREQ.	0.1679	-2.7873	3.82	-0.23
1189	Shell-Thick	SLE-FREQ.	0.2632	-2.7744	3.47	-0.23
1189	Shell-Thick	SLE-QP	0.7259	-2.4519	2.61	-0.80
1189	Shell-Thick	SLE-QP	0.6068	-2.5211	2.79	-0.80
1189	Shell-Thick	SLE-QP	0.2038	-2.1854	2.79	-1.10
1189	Shell-Thick	SLE-QP	0.3191	-2.0893	2.61	-1.10
1190	Shell-Thick	SLU-STATICA	1.0737	-4.6824	5.60	2.58
1190	Shell-Thick	SLU-STATICA	1.1328	-4.4809	6.31	2.58
1190	Shell-Thick	SLU-STATICA	0.2440	-3.5720	6.31	1.34
1190	Shell-Thick	SLU-STATICA	0.1761	-3.7110	5.60	1.34
1190	Shell-Thick	SLU-SISMICA	1.3080	-6.5310	8.48	8.18
1190	Shell-Thick	SLU-SISMICA	1.5527	-5.8725	9.80	8.18
1190	Shell-Thick	SLU-SISMICA	0.1876	-4.6780	9.80	5.89
1190	Shell-Thick	SLU-SISMICA	-0.0701	-5.2437	8.48	5.89
1190	Shell-Thick	SLE-RARA	0.8019	-3.4559	4.10	1.67
1190	Shell-Thick	SLE-RARA	0.8374	-3.3260	4.61	1.67
1190	Shell-Thick	SLE-RARA	0.1877	-2.6515	4.61	0.79
1190	Shell-Thick	SLE-RARA	0.1457	-2.7356	4.10	0.79
1190	Shell-Thick	SLE-FREQ.	0.7629	-3.2188	3.76	1.17
1190	Shell-Thick	SLE-FREQ.	0.7823	-3.1296	4.21	1.17
1190	Shell-Thick	SLE-FREQ.	0.1877	-2.4952	4.21	0.39
1190	Shell-Thick	SLE-FREQ.	0.1623	-2.5422	3.76	0.39
1190	Shell-Thick	SLE-QP	0.6458	-2.5074	2.74	-0.34
1190	Shell-Thick	SLE-QP	0.6168	-2.5405	3.00	-0.34
1190	Shell-Thick	SLE-QP	0.1878	-2.0264	3.00	-0.79
1190	Shell-Thick	SLE-QP	0.2122	-1.9620	2.74	-0.79
1191	Shell-Thick	SLU-STATICA	1.2183	-4.2195	6.27	3.88
1191	Shell-Thick	SLU-STATICA	1.2317	-3.9167	7.09	3.88
1191	Shell-Thick	SLU-STATICA	0.2333	-3.3128	7.09	2.47
1191	Shell-Thick	SLU-STATICA	0.2126	-3.5632	6.27	2.47
1191	Shell-Thick	SLU-SISMICA	1.6704	-5.6051	9.73	10.49
1191	Shell-Thick	SLU-SISMICA	1.8788	-4.7551	11.15	10.49
1191	Shell-Thick	SLU-SISMICA	0.3188	-4.0430	11.15	8.04
1191	Shell-Thick	SLU-SISMICA	0.0980	-4.8045	9.73	8.04
1191	Shell-Thick	SLE-RARA	0.9006	-3.1282	4.58	2.61
1191	Shell-Thick	SLE-RARA	0.9011	-2.9261	5.17	2.61
1191	Shell-Thick	SLE-RARA	0.1725	-2.4738	5.17	1.60
1191	Shell-Thick	SLE-RARA	0.1668	-2.6381	4.58	1.60
1191	Shell-Thick	SLE-FREQ.	0.8413	-2.9372	4.18	2.01
1191	Shell-Thick	SLE-FREQ.	0.8257	-2.7850	4.71	2.01
1191	Shell-Thick	SLE-FREQ.	0.1612	-2.3528	4.71	1.10
1191	Shell-Thick	SLE-FREQ.	0.1721	-2.4711	4.18	1.10
1191	Shell-Thick	SLE-QP	0.6632	-2.3642	2.99	0.19
1191	Shell-Thick	SLE-QP	0.5995	-2.3619	3.32	0.19
1191	Shell-Thick	SLE-QP	0.1274	-1.9898	3.32	-0.39
1191	Shell-Thick	SLE-QP	0.1880	-1.9699	2.99	-0.39
1192	Shell-Thick	SLU-STATICA	1.3443	-3.7116	7.00	5.31
1192	Shell-Thick	SLU-STATICA	1.3244	-3.2986	7.95	5.31
1192	Shell-Thick	SLU-STATICA	0.2057	-2.6557	7.95	3.67

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1192	Shell-Thick	SLU-STATICA	0.2195	-3.0239	7.00	3.67
1192	Shell-Thick	SLU-SISMICA	2.0320	-4.5668	11.01	12.89
1192	Shell-Thick	SLU-SISMICA	2.1848	-3.5278	12.57	12.89
1192	Shell-Thick	SLU-SISMICA	0.4202	-2.8020	12.57	10.19
1192	Shell-Thick	SLU-SISMICA	0.2577	-3.7703	11.01	10.19
1192	Shell-Thick	SLE-RARA	0.9844	-2.7698	5.11	3.65
1192	Shell-Thick	SLE-RARA	0.9607	-2.4880	5.79	3.65
1192	Shell-Thick	SLE-RARA	0.1452	-2.0050	5.79	2.46
1192	Shell-Thick	SLE-RARA	0.1644	-2.2541	5.11	2.46
1192	Shell-Thick	SLE-FREQ.	0.9036	-2.6312	4.65	2.93
1192	Shell-Thick	SLE-FREQ.	0.8663	-2.4078	5.27	2.93
1192	Shell-Thick	SLE-FREQ.	0.1240	-1.9436	5.27	1.86
1192	Shell-Thick	SLE-FREQ.	0.1572	-2.1372	4.65	1.86
1192	Shell-Thick	SLE-QP	0.6612	-2.2155	3.28	0.80
1192	Shell-Thick	SLE-QP	0.5831	-2.1673	3.70	0.80
1192	Shell-Thick	SLE-QP	0.0603	-1.7592	3.70	7.198E-02
1192	Shell-Thick	SLE-QP	0.1356	-1.7864	3.28	7.198E-02
1193	Shell-Thick	SLU-STATICA	1.4561	-2.9646	7.87	6.82
1193	Shell-Thick	SLU-STATICA	1.5030	-2.4262	8.94	6.82
1193	Shell-Thick	SLU-STATICA	0.2449	-1.9173	8.94	4.97
1193	Shell-Thick	SLU-STATICA	0.1910	-2.4046	7.87	4.97
1193	Shell-Thick	SLU-SISMICA	2.3614	-3.1739	12.45	15.33
1193	Shell-Thick	SLU-SISMICA	2.6378	-1.9218	14.13	15.33
1193	Shell-Thick	SLU-SISMICA	0.6500	-1.4063	14.13	12.42
1193	Shell-Thick	SLU-SISMICA	0.3612	-2.5684	12.45	12.42
1193	Shell-Thick	SLE-RARA	1.0582	-2.2360	5.74	4.74
1193	Shell-Thick	SLE-RARA	1.0824	-1.8635	6.52	4.74
1193	Shell-Thick	SLE-RARA	0.1654	-1.4783	6.52	3.40
1193	Shell-Thick	SLE-RARA	0.1362	-1.8139	5.74	3.40
1193	Shell-Thick	SLE-FREQ.	0.9578	-2.1636	5.22	3.93
1193	Shell-Thick	SLE-FREQ.	0.9624	-1.8591	5.93	3.93
1193	Shell-Thick	SLE-FREQ.	0.1280	-1.4838	5.93	2.70
1193	Shell-Thick	SLE-FREQ.	0.1189	-1.7557	5.22	2.70
1193	Shell-Thick	SLE-QP	0.6563	-1.9466	3.67	1.48
1193	Shell-Thick	SLE-QP	0.6026	-1.8456	4.17	1.48
1193	Shell-Thick	SLE-QP	0.0159	-1.5005	4.17	0.61
1193	Shell-Thick	SLE-QP	0.0668	-1.5811	3.67	0.61
1194	Shell-Thick	SLU-STATICA	1.6647	-1.9692	8.86	8.41
1194	Shell-Thick	SLU-STATICA	1.5704	-1.3040	10.07	8.41
1194	Shell-Thick	SLU-STATICA	0.1534	-0.9704	10.07	6.31
1194	Shell-Thick	SLU-STATICA	0.2409	-1.5861	8.86	6.31
1194	Shell-Thick	SLU-SISMICA	2.8539	-1.3767	14.00	17.82
1194	Shell-Thick	SLU-SISMICA	2.9127	0.0761	15.84	17.82
1194	Shell-Thick	SLU-SISMICA	0.6794	0.2970	15.84	14.64
1194	Shell-Thick	SLU-SISMICA	0.6094	-1.0738	14.00	14.64
1194	Shell-Thick	SLE-RARA	1.2021	-1.5216	6.46	5.90
1194	Shell-Thick	SLE-RARA	1.1230	-1.0568	7.34	5.90
1194	Shell-Thick	SLE-RARA	0.0900	-0.7985	7.34	4.37
1194	Shell-Thick	SLE-RARA	0.1642	-1.2274	6.46	4.37
1194	Shell-Thick	SLE-FREQ.	1.0747	-1.5328	5.88	4.99
1194	Shell-Thick	SLE-FREQ.	0.9850	-1.1442	6.69	4.99
1194	Shell-Thick	SLE-FREQ.	0.0446	-0.8829	6.69	3.58
1194	Shell-Thick	SLE-FREQ.	0.1299	-1.2392	5.88	3.58
1194	Shell-Thick	SLE-QP	0.6926	-1.5663	4.13	2.23
1194	Shell-Thick	SLE-QP	0.5710	-1.4063	4.72	2.23
1194	Shell-Thick	SLE-QP	-0.0918	-1.1363	4.72	1.20
1194	Shell-Thick	SLE-QP	0.0269	-1.2748	4.13	1.20
1195	Shell-Thick	SLU-STATICA	1.7550	-0.8357	9.97	10.08
1195	Shell-Thick	SLU-STATICA	1.7700	-0.0298	11.32	10.08
1195	Shell-Thick	SLU-STATICA	0.1776	0.2323	11.32	7.74
1195	Shell-Thick	SLU-STATICA	0.1542	-0.5117	9.97	7.74
1195	Shell-Thick	SLU-SISMICA	3.1578	0.6099	15.68	20.34
1195	Shell-Thick	SLU-SISMICA	3.3957	2.2848	17.66	20.34
1195	Shell-Thick	SLU-SISMICA	0.9025	2.4046	17.66	16.92
1195	Shell-Thick	SLU-SISMICA	0.6495	0.8388	15.68	16.92
1195	Shell-Thick	SLE-RARA	1.2599	-0.7053	7.27	7.12
1195	Shell-Thick	SLE-RARA	1.2602	-0.1379	8.26	7.12
1195	Shell-Thick	SLE-RARA	0.0985	0.0678	8.26	5.41
1195	Shell-Thick	SLE-RARA	0.0921	-0.4550	7.27	5.41



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1195	Shell-Thick	SLE-FREQ.	1.1136	-0.8067	6.62	6.10
1195	Shell-Thick	SLE-FREQ.	1.0955	-0.3247	7.53	6.10
1195	Shell-Thick	SLE-FREQ.	0.0365	-0.1124	7.53	4.52
1195	Shell-Thick	SLE-FREQ.	0.0492	-0.5548	6.62	4.52
1195	Shell-Thick	SLE-QP	0.6745	-1.1109	4.67	3.05
1195	Shell-Thick	SLE-QP	0.6015	-0.8852	5.36	3.05
1195	Shell-Thick	SLE-QP	-0.1495	-0.6530	5.36	1.86
1195	Shell-Thick	SLE-QP	-0.0798	-0.8541	4.67	1.86
1196	Shell-Thick	SLU-STATICA	1.9890	0.6846	11.23	11.78
1196	Shell-Thick	SLU-STATICA	1.7742	1.6350	12.73	11.78
1196	Shell-Thick	SLU-STATICA	-0.0177	1.5305	12.73	9.18
1196	Shell-Thick	SLU-STATICA	0.1865	0.6575	11.23	9.18
1196	Shell-Thick	SLU-SISMICA	3.6868	3.1932	17.53	22.84
1196	Shell-Thick	SLU-SISMICA	3.5748	5.0832	19.67	22.84
1196	Shell-Thick	SLU-SISMICA	0.7929	4.6369	19.67	19.14
1196	Shell-Thick	SLU-SISMICA	0.8871	2.8752	17.53	19.14
1196	Shell-Thick	SLE-RARA	1.4226	0.3938	8.19	8.37
1196	Shell-Thick	SLE-RARA	1.2546	1.0671	9.30	8.37
1196	Shell-Thick	SLE-RARA	-0.0538	1.0050	9.30	6.46
1196	Shell-Thick	SLE-RARA	0.1064	0.3878	8.19	6.46
1196	Shell-Thick	SLE-FREQ.	1.2480	0.1779	7.47	7.26
1196	Shell-Thick	SLE-FREQ.	1.0757	0.7574	8.50	7.26
1196	Shell-Thick	SLE-FREQ.	-0.1190	0.7249	8.50	5.48
1196	Shell-Thick	SLE-FREQ.	0.0462	0.1959	7.47	5.48
1196	Shell-Thick	SLE-QP	0.7242	-0.4697	5.31	3.91
1196	Shell-Thick	SLE-QP	0.5390	-0.1716	6.10	3.91
1196	Shell-Thick	SLE-QP	-0.3149	-0.1153	6.10	2.55
1196	Shell-Thick	SLE-QP	-0.1344	-0.3795	5.31	2.55
1197	Shell-Thick	SLU-STATICA	1.9985	2.2257	12.60	13.41
1197	Shell-Thick	SLU-STATICA	1.9624	3.1930	14.04	13.41
1197	Shell-Thick	SLU-STATICA	-0.0332	2.9990	14.04	10.59
1197	Shell-Thick	SLU-STATICA	-0.0030	2.1347	12.60	10.59
1197	Shell-Thick	SLU-SISMICA	3.8708	5.7876	19.49	25.18
1197	Shell-Thick	SLU-SISMICA	4.0087	7.6476	21.49	25.18
1197	Shell-Thick	SLU-SISMICA	0.9395	7.0870	21.49	21.24
1197	Shell-Thick	SLU-SISMICA	0.7913	5.4042	19.49	21.24
1197	Shell-Thick	SLE-RARA	1.4210	1.5090	9.21	9.58
1197	Shell-Thick	SLE-RARA	1.3850	2.1975	10.27	9.58
1197	Shell-Thick	SLE-RARA	-0.0736	2.0688	10.27	7.49
1197	Shell-Thick	SLE-RARA	-0.0418	1.4547	9.21	7.49
1197	Shell-Thick	SLE-FREQ.	1.2321	1.1791	8.41	8.37
1197	Shell-Thick	SLE-FREQ.	1.1827	1.7772	9.40	8.37
1197	Shell-Thick	SLE-FREQ.	-0.1518	1.6818	9.40	6.43
1197	Shell-Thick	SLE-FREQ.	-0.1061	1.1501	8.41	6.43
1197	Shell-Thick	SLE-QP	0.6654	0.1893	6.04	4.76
1197	Shell-Thick	SLE-QP	0.5758	0.5164	6.80	4.76
1197	Shell-Thick	SLE-QP	-0.3861	0.5209	6.80	3.25
1197	Shell-Thick	SLE-QP	-0.2988	0.2365	6.04	3.25
1198	Shell-Thick	SLU-STATICA	-0.0137	-4.1798	3.91	-1.45
1198	Shell-Thick	SLU-STATICA	0.2085	-4.2489	4.15	-1.45
1198	Shell-Thick	SLU-STATICA	-0.3847	-2.4909	4.15	-1.87
1198	Shell-Thick	SLU-STATICA	-0.6288	-2.2714	3.91	-1.87
1198	Shell-Thick	SLU-SISMICA	-0.6721	-6.2866	4.50	-4.719E-02
1198	Shell-Thick	SLU-SISMICA	-0.2683	-6.2530	5.42	-4.719E-02
1198	Shell-Thick	SLU-SISMICA	-0.9968	-3.5905	5.42	-1.64
1198	Shell-Thick	SLU-SISMICA	-1.4316	-3.4100	4.50	-1.64
1198	Shell-Thick	SLE-RARA	0.0224	-3.0622	2.93	-1.17
1198	Shell-Thick	SLE-RARA	0.1818	-3.1197	3.08	-1.17
1198	Shell-Thick	SLE-RARA	-0.2610	-1.8327	3.08	-1.42
1198	Shell-Thick	SLE-RARA	-0.4365	-1.6644	2.93	-1.42
1198	Shell-Thick	SLE-FREQ.	0.0760	-2.8136	2.81	-1.26
1198	Shell-Thick	SLE-FREQ.	0.2165	-2.8781	2.90	-1.26
1198	Shell-Thick	SLE-FREQ.	-0.2042	-1.6971	2.90	-1.41
1198	Shell-Thick	SLE-FREQ.	-0.3598	-1.5298	2.81	-1.41
1198	Shell-Thick	SLE-QP	0.2367	-2.0677	2.45	-1.52
1198	Shell-Thick	SLE-QP	0.3206	-2.1532	2.36	-1.52
1198	Shell-Thick	SLE-QP	-0.0340	-1.2905	2.36	-1.36
1198	Shell-Thick	SLE-QP	-0.1295	-1.1259	2.45	-1.36
1199	Shell-Thick	SLU-STATICA	0.2078	-3.7464	4.26	-0.68



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1199	Shell-Thick	SLU-STATICA	-0.1437	-3.8060	4.60	-0.68
1199	Shell-Thick	SLU-STATICA	-0.8046	-3.4841	4.60	-1.26
1199	Shell-Thick	SLU-STATICA	-0.4602	-3.3750	4.26	-1.26
1199	Shell-Thick	SLU-SISMICA	-0.2542	-5.5684	5.56	1.75
1199	Shell-Thick	SLU-SISMICA	-0.6513	-5.4460	6.47	1.75
1199	Shell-Thick	SLU-SISMICA	-1.5480	-4.9832	6.47	0.18
1199	Shell-Thick	SLU-SISMICA	-1.1617	-5.0290	5.56	0.18
1199	Shell-Thick	SLE-RARA	0.1804	-2.7480	3.16	-0.64
1199	Shell-Thick	SLE-RARA	-0.0836	-2.8023	3.39	-0.64
1199	Shell-Thick	SLE-RARA	-0.5726	-2.5653	3.39	-1.03
1199	Shell-Thick	SLE-RARA	-0.3138	-2.4750	3.16	-1.03
1199	Shell-Thick	SLE-FREQ.	0.2139	-2.5305	2.98	-0.82
1199	Shell-Thick	SLE-FREQ.	-0.0398	-2.5984	3.15	-0.82
1199	Shell-Thick	SLE-FREQ.	-0.4974	-2.3789	3.15	-1.12
1199	Shell-Thick	SLE-FREQ.	-0.2484	-2.2780	2.98	-1.12
1199	Shell-Thick	SLE-QP	0.3145	-1.8780	2.43	-1.37
1199	Shell-Thick	SLE-QP	0.0915	-1.9868	2.44	-1.37
1199	Shell-Thick	SLE-QP	-0.2718	-1.8195	2.44	-1.40
1199	Shell-Thick	SLE-QP	-0.0522	-1.6872	2.43	-1.40
1200	Shell-Thick	SLU-STATICA	-0.0995	-4.1603	4.46	0.31
1200	Shell-Thick	SLU-STATICA	-0.1825	-4.1266	4.94	0.31
1200	Shell-Thick	SLU-STATICA	-0.8817	-2.9925	4.94	-0.52
1200	Shell-Thick	SLU-STATICA	-0.8110	-2.9411	4.46	-0.52
1200	Shell-Thick	SLU-SISMICA	-0.5797	-6.0500	6.24	3.85
1200	Shell-Thick	SLU-SISMICA	-0.5808	-5.7374	7.34	3.85
1200	Shell-Thick	SLU-SISMICA	-1.5913	-4.1267	7.34	1.95
1200	Shell-Thick	SLU-SISMICA	-1.6074	-4.3184	6.24	1.95
1200	Shell-Thick	SLE-RARA	-0.0515	-3.0583	3.29	6.131E-02
1200	Shell-Thick	SLE-RARA	-0.1185	-3.0466	3.62	6.131E-02
1200	Shell-Thick	SLE-RARA	-0.6327	-2.2110	3.62	-0.51
1200	Shell-Thick	SLE-RARA	-0.5748	-2.1599	3.29	-0.51
1200	Shell-Thick	SLE-FREQ.	-0.0108	-2.8276	3.06	-0.23
1200	Shell-Thick	SLE-FREQ.	-0.0828	-2.8391	3.34	-0.23
1200	Shell-Thick	SLE-FREQ.	-0.5588	-2.0633	3.34	-0.70
1200	Shell-Thick	SLE-FREQ.	-0.4952	-1.9935	3.06	-0.70
1200	Shell-Thick	SLE-QP	0.1114	-2.1355	2.38	-1.11
1200	Shell-Thick	SLE-QP	0.0241	-2.2166	2.48	-1.11
1200	Shell-Thick	SLE-QP	-0.3371	-1.6201	2.48	-1.27
1200	Shell-Thick	SLE-QP	-0.2564	-1.4941	2.38	-1.27
1201	Shell-Thick	SLU-STATICA	-0.1258	-3.7790	4.95	1.33
1201	Shell-Thick	SLU-STATICA	-0.3192	-3.6770	5.52	1.33
1201	Shell-Thick	SLU-STATICA	-1.1010	-3.1816	5.52	0.35
1201	Shell-Thick	SLU-STATICA	-0.9157	-3.2263	4.95	0.35
1201	Shell-Thick	SLU-SISMICA	-0.4950	-5.3192	7.34	5.89
1201	Shell-Thick	SLU-SISMICA	-0.6177	-4.8485	8.50	5.89
1201	Shell-Thick	SLU-SISMICA	-1.7997	-4.2300	8.50	3.88
1201	Shell-Thick	SLU-SISMICA	-1.6899	-4.6092	7.34	3.88
1201	Shell-Thick	SLE-RARA	-0.0769	-2.7867	3.64	0.78
1201	Shell-Thick	SLE-RARA	-0.2270	-2.7279	4.03	0.78
1201	Shell-Thick	SLE-RARA	-0.7994	-2.3585	4.03	9.281E-02
1201	Shell-Thick	SLE-RARA	-0.6553	-2.3758	3.64	9.281E-02
1201	Shell-Thick	SLE-FREQ.	-0.0447	-2.5914	3.35	0.39
1201	Shell-Thick	SLE-FREQ.	-0.1969	-2.5643	3.69	0.39
1201	Shell-Thick	SLE-FREQ.	-0.7223	-2.2142	3.69	-0.20
1201	Shell-Thick	SLE-FREQ.	-0.5755	-2.2036	3.35	-0.20
1201	Shell-Thick	SLE-QP	0.0520	-2.0056	2.49	-0.79
1201	Shell-Thick	SLE-QP	-0.1065	-2.0737	2.66	-0.79
1201	Shell-Thick	SLE-QP	-0.4909	-1.7813	2.66	-1.07
1201	Shell-Thick	SLE-QP	-0.3361	-1.6869	2.49	-1.07
1202	Shell-Thick	SLU-STATICA	-0.2367	-3.6468	5.43	2.48
1202	Shell-Thick	SLU-STATICA	-0.4463	-3.4550	6.12	2.48
1202	Shell-Thick	SLU-STATICA	-1.3090	-2.6970	6.12	1.28
1202	Shell-Thick	SLU-STATICA	-1.1075	-2.8319	5.43	1.28
1202	Shell-Thick	SLU-SISMICA	-0.4991	-4.9021	8.35	8.05
1202	Shell-Thick	SLU-SISMICA	-0.6504	-4.2587	9.66	8.05
1202	Shell-Thick	SLU-SISMICA	-1.9956	-3.3041	9.66	5.79
1202	Shell-Thick	SLU-SISMICA	-1.8559	-3.8647	8.35	5.79
1202	Shell-Thick	SLE-RARA	-0.1663	-2.7008	3.97	1.60
1202	Shell-Thick	SLE-RARA	-0.3280	-2.5779	4.46	1.60

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1202	Shell-Thick	SLE-RARA	-0.9577	-2.0133	4.46	0.74
1202	Shell-Thick	SLE-RARA	-0.8019	-2.0944	3.97	0.74
1202	Shell-Thick	SLE-FREQ.	-0.1406	-2.5310	3.63	1.10
1202	Shell-Thick	SLE-FREQ.	-0.3032	-2.4483	4.06	1.10
1202	Shell-Thick	SLE-FREQ.	-0.8777	-1.9138	4.06	0.36
1202	Shell-Thick	SLE-FREQ.	-0.7206	-1.9578	3.63	0.36
1202	Shell-Thick	SLE-QP	-0.0637	-2.0218	2.62	-0.39
1202	Shell-Thick	SLE-QP	-0.2286	-2.0595	2.86	-0.39
1202	Shell-Thick	SLE-QP	-0.6376	-1.6152	2.86	-0.81
1202	Shell-Thick	SLE-QP	-0.4768	-1.5483	2.62	-0.81
1203	Shell-Thick	SLU-STATICA	-0.3450	-3.1132	6.08	3.68
1203	Shell-Thick	SLU-STATICA	-0.5028	-2.8209	6.87	3.68
1203	Shell-Thick	SLU-STATICA	-1.4704	-2.3632	6.87	2.32
1203	Shell-Thick	SLU-STATICA	-1.3213	-2.5934	6.08	2.32
1203	Shell-Thick	SLU-SISMICA	-0.5092	-3.8773	9.58	10.22
1203	Shell-Thick	SLU-SISMICA	-0.5491	-3.0421	10.97	10.22
1203	Shell-Thick	SLU-SISMICA	-2.0834	-2.5572	10.97	7.81
1203	Shell-Thick	SLU-SISMICA	-2.0579	-3.2906	9.58	7.81
1203	Shell-Thick	SLE-RARA	-0.2532	-2.3209	4.44	2.47
1203	Shell-Thick	SLE-RARA	-0.3787	-2.1265	5.00	2.47
1203	Shell-Thick	SLE-RARA	-1.0836	-1.7810	5.00	1.49
1203	Shell-Thick	SLE-RARA	-0.9645	-1.9304	4.44	1.49
1203	Shell-Thick	SLE-FREQ.	-0.2335	-2.2009	4.04	1.87
1203	Shell-Thick	SLE-FREQ.	-0.3656	-2.0559	4.54	1.87
1203	Shell-Thick	SLE-FREQ.	-1.0065	-1.7211	4.54	1.00
1203	Shell-Thick	SLE-FREQ.	-0.8802	-1.8255	4.04	1.00
1203	Shell-Thick	SLE-QP	-0.1743	-1.8409	2.85	7.622E-02
1203	Shell-Thick	SLE-QP	-0.3261	-1.8440	3.16	7.622E-02
1203	Shell-Thick	SLE-QP	-0.7752	-1.5416	3.16	-0.47
1203	Shell-Thick	SLE-QP	-0.6273	-1.5108	2.85	-0.47
1204	Shell-Thick	SLU-STATICA	-0.3768	-2.5053	6.80	4.98
1204	Shell-Thick	SLU-STATICA	-0.6715	-2.1135	7.71	4.98
1204	Shell-Thick	SLU-STATICA	-1.7560	-1.7040	7.71	3.40
1204	Shell-Thick	SLU-STATICA	-1.4689	-2.0415	6.80	3.40
1204	Shell-Thick	SLU-SISMICA	-0.3763	-2.6933	10.85	12.44
1204	Shell-Thick	SLU-SISMICA	-0.6256	-1.6840	12.36	12.44
1204	Shell-Thick	SLU-SISMICA	-2.3613	-1.3167	12.36	9.81
1204	Shell-Thick	SLU-SISMICA	-2.1235	-2.2429	10.85	9.81
1204	Shell-Thick	SLE-RARA	-0.2856	-1.8889	4.95	3.40
1204	Shell-Thick	SLE-RARA	-0.5111	-1.6229	5.61	3.40
1204	Shell-Thick	SLE-RARA	-1.3004	-1.3104	5.61	2.26
1204	Shell-Thick	SLE-RARA	-1.0804	-1.5369	4.95	2.26
1204	Shell-Thick	SLE-FREQ.	-0.2786	-1.8269	4.49	2.70
1204	Shell-Thick	SLE-FREQ.	-0.5023	-1.6181	5.09	2.70
1204	Shell-Thick	SLE-FREQ.	-1.2186	-1.3100	5.09	1.68
1204	Shell-Thick	SLE-FREQ.	-1.0000	-1.4824	4.49	1.68
1204	Shell-Thick	SLE-QP	-0.2576	-1.6408	3.13	0.61
1204	Shell-Thick	SLE-QP	-0.4758	-1.6040	3.53	0.61
1204	Shell-Thick	SLE-QP	-0.9732	-1.3085	3.53	-6.915E-02
1204	Shell-Thick	SLE-QP	-0.7587	-1.3191	3.13	-6.915E-02
1205	Shell-Thick	SLU-STATICA	-0.5256	-1.6972	7.63	6.34
1205	Shell-Thick	SLU-STATICA	-0.7111	-1.1855	8.65	6.34
1205	Shell-Thick	SLU-STATICA	-1.9277	-0.9338	8.65	4.58
1205	Shell-Thick	SLU-STATICA	-1.7524	-1.3725	7.63	4.58
1205	Shell-Thick	SLU-SISMICA	-0.4286	-1.2171	12.24	14.68
1205	Shell-Thick	SLU-SISMICA	-0.4893	-0.0011	13.86	14.68
1205	Shell-Thick	SLU-SISMICA	-2.4391	0.1265	13.86	11.89
1205	Shell-Thick	SLU-SISMICA	-2.3954	-0.9688	12.24	11.89
1205	Shell-Thick	SLE-RARA	-0.4031	-1.3100	5.56	4.39
1205	Shell-Thick	SLE-RARA	-0.5499	-0.9573	6.30	4.39
1205	Shell-Thick	SLE-RARA	-1.4352	-0.7604	6.30	3.11
1205	Shell-Thick	SLE-RARA	-1.2958	-1.0601	5.56	3.11
1205	Shell-Thick	SLE-FREQ.	-0.4011	-1.3171	5.04	3.60
1205	Shell-Thick	SLE-FREQ.	-0.5545	-1.0311	5.71	3.60
1205	Shell-Thick	SLE-FREQ.	-1.3578	-0.8288	5.71	2.43
1205	Shell-Thick	SLE-FREQ.	-1.2111	-1.0671	5.04	2.43
1205	Shell-Thick	SLE-QP	-0.3952	-1.3386	3.49	1.21
1205	Shell-Thick	SLE-QP	-0.5685	-1.2523	3.96	1.21
1205	Shell-Thick	SLE-QP	-1.1256	-1.0339	3.96	0.40

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1205	Shell-Thick	SLE-QP	-0.9567	-1.0883	3.49	0.40
1206	Shell-Thick	SLU-STATICA	-0.5393	-0.6325	8.58	7.75
1206	Shell-Thick	SLU-STATICA	-0.9292	-0.0070	9.71	7.75
1206	Shell-Thick	SLU-STATICA	-2.2965	-0.0212	9.71	5.79
1206	Shell-Thick	SLU-STATICA	-1.9168	-0.5735	8.58	5.79
1206	Shell-Thick	SLU-SISMICA	-0.2591	0.6780	13.75	16.93
1206	Shell-Thick	SLU-SISMICA	-0.6299	2.0773	15.49	16.93
1206	Shell-Thick	SLU-SISMICA	-2.8153	1.7750	15.49	13.92
1206	Shell-Thick	SLU-SISMICA	-2.4606	0.4913	13.75	13.92
1206	Shell-Thick	SLE-RARA	-0.4226	-0.5445	6.24	5.42
1206	Shell-Thick	SLE-RARA	-0.7190	-0.1091	7.07	5.42
1206	Shell-Thick	SLE-RARA	-1.7143	-0.1056	7.07	3.98
1206	Shell-Thick	SLE-RARA	-1.4253	-0.4876	6.24	3.98
1206	Shell-Thick	SLE-FREQ.	-0.4352	-0.6388	5.66	4.53
1206	Shell-Thick	SLE-FREQ.	-0.7259	-0.2777	6.42	4.53
1206	Shell-Thick	SLE-FREQ.	-1.6294	-0.2506	6.42	3.21
1206	Shell-Thick	SLE-FREQ.	-1.3455	-0.5631	5.66	3.21
1206	Shell-Thick	SLE-QP	-0.4731	-0.9216	3.93	1.87
1206	Shell-Thick	SLE-QP	-0.7465	-0.7835	4.48	1.87
1206	Shell-Thick	SLE-QP	-1.3747	-0.6856	4.48	0.92
1206	Shell-Thick	SLE-QP	-1.1060	-0.7895	3.93	0.92
1207	Shell-Thick	SLU-STATICA	-0.7396	0.5263	9.62	9.21
1207	Shell-Thick	SLU-STATICA	-0.9889	1.2823	10.86	9.21
1207	Shell-Thick	SLU-STATICA	-2.5185	1.1222	10.86	7.06
1207	Shell-Thick	SLU-STATICA	-2.2828	0.4623	9.62	7.06
1207	Shell-Thick	SLU-SISMICA	-0.3785	2.6938	15.34	19.18
1207	Shell-Thick	SLU-SISMICA	-0.5222	4.3021	17.19	19.18
1207	Shell-Thick	SLU-SISMICA	-2.9510	3.7943	17.19	15.98
1207	Shell-Thick	SLU-SISMICA	-2.8297	2.3438	15.34	15.98
1207	Shell-Thick	SLE-RARA	-0.5784	0.2908	7.00	6.49
1207	Shell-Thick	SLE-RARA	-0.7726	0.8212	7.92	6.49
1207	Shell-Thick	SLE-RARA	-1.8868	0.7172	7.92	4.91
1207	Shell-Thick	SLE-RARA	-1.7025	0.2566	7.00	4.91
1207	Shell-Thick	SLE-FREQ.	-0.5938	0.1055	6.36	5.51
1207	Shell-Thick	SLE-FREQ.	-0.7919	0.5528	7.20	5.51
1207	Shell-Thick	SLE-FREQ.	-1.8048	0.4799	7.20	4.05
1207	Shell-Thick	SLE-FREQ.	-1.6156	0.0956	6.36	4.05
1207	Shell-Thick	SLE-QP	-0.6401	-0.4504	4.43	2.57
1207	Shell-Thick	SLE-QP	-0.8498	-0.2525	5.06	2.57
1207	Shell-Thick	SLE-QP	-1.5586	-0.2319	5.06	1.49
1207	Shell-Thick	SLE-QP	-1.3548	-0.3872	4.43	1.49
1208	Shell-Thick	SLU-STATICA	-0.7899	1.9741	10.79	10.58
1208	Shell-Thick	SLU-STATICA	-1.2557	2.7577	11.97	10.58
1208	Shell-Thick	SLU-STATICA	-2.9591	2.1682	11.97	8.26
1208	Shell-Thick	SLU-STATICA	-2.5009	1.5137	10.79	8.26
1208	Shell-Thick	SLU-SISMICA	-0.2597	5.1739	17.08	21.22
1208	Shell-Thick	SLU-SISMICA	-0.7586	6.7675	18.78	21.22
1208	Shell-Thick	SLU-SISMICA	-3.4429	5.5997	18.78	17.87
1208	Shell-Thick	SLU-SISMICA	-2.9560	4.2101	17.08	17.87
1208	Shell-Thick	SLE-RARA	-0.6249	1.3365	7.86	7.49
1208	Shell-Thick	SLE-RARA	-0.9762	1.8899	8.73	7.49
1208	Shell-Thick	SLE-RARA	-2.2181	1.4720	8.73	5.78
1208	Shell-Thick	SLE-RARA	-1.8723	1.0126	7.86	5.78
1208	Shell-Thick	SLE-FREQ.	-0.6531	1.0406	7.15	6.43
1208	Shell-Thick	SLE-FREQ.	-0.9930	1.5137	7.95	6.43
1208	Shell-Thick	SLE-FREQ.	-2.1237	1.1537	7.95	4.85
1208	Shell-Thick	SLE-FREQ.	-1.7888	0.7661	7.15	4.85
1208	Shell-Thick	SLE-QP	-0.7376	0.1528	5.02	3.25
1208	Shell-Thick	SLE-QP	-1.0434	0.3853	5.63	3.25
1208	Shell-Thick	SLE-QP	-1.8403	0.1988	5.63	2.05
1208	Shell-Thick	SLE-QP	-1.5381	0.0264	5.02	2.05
1209	Shell-Thick	SLU-STATICA	-0.9445	-3.4724	3.59	-1.26
1209	Shell-Thick	SLU-STATICA	-1.1276	-3.5482	3.85	-1.26
1209	Shell-Thick	SLU-STATICA	-1.6779	-2.0042	3.85	-1.70
1209	Shell-Thick	SLU-STATICA	-1.5101	-1.8224	3.59	-1.70
1209	Shell-Thick	SLU-SISMICA	-1.9243	-5.1493	4.13	0.20
1209	Shell-Thick	SLU-SISMICA	-2.1246	-5.1308	5.09	0.20
1209	Shell-Thick	SLU-SISMICA	-2.8057	-2.8098	5.09	-1.46
1209	Shell-Thick	SLU-SISMICA	-2.6264	-2.6820	4.13	-1.46

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1209	Shell-Thick	SLE-RARA	-0.6668	-2.5476	2.69	-1.03
1209	Shell-Thick	SLE-RARA	-0.8048	-2.6097	2.85	-1.03
1209	Shell-Thick	SLE-RARA	-1.2152	-1.4785	2.85	-1.30
1209	Shell-Thick	SLE-RARA	-1.0887	-1.3381	2.69	-1.30
1209	Shell-Thick	SLE-FREQ.	-0.5699	-2.3470	2.58	-1.12
1209	Shell-Thick	SLE-FREQ.	-0.7030	-2.4153	2.68	-1.12
1209	Shell-Thick	SLE-FREQ.	-1.0925	-1.3759	2.68	-1.29
1209	Shell-Thick	SLE-FREQ.	-0.9701	-1.2344	2.58	-1.29
1209	Shell-Thick	SLE-QP	-0.2789	-1.7451	2.25	-1.41
1209	Shell-Thick	SLE-QP	-0.3977	-1.8321	2.16	-1.41
1209	Shell-Thick	SLE-QP	-0.7246	-1.0679	2.16	-1.25
1209	Shell-Thick	SLE-QP	-0.6143	-0.9235	2.25	-1.25
1210	Shell-Thick	SLU-STATICA	-1.1102	-3.0264	3.94	-0.54
1210	Shell-Thick	SLU-STATICA	-1.4322	-3.0771	4.28	-0.54
1210	Shell-Thick	SLU-STATICA	-2.0462	-2.7933	4.28	-1.12
1210	Shell-Thick	SLU-STATICA	-1.7302	-2.7004	3.94	-1.12
1210	Shell-Thick	SLU-SISMICA	-2.0819	-4.4204	5.20	1.94
1210	Shell-Thick	SLU-SISMICA	-2.4344	-4.2882	6.12	1.94
1210	Shell-Thick	SLU-SISMICA	-3.2795	-3.8921	6.12	0.35
1210	Shell-Thick	SLU-SISMICA	-2.9361	-3.9588	5.20	0.35
1210	Shell-Thick	SLE-RARA	-0.7928	-2.2238	2.93	-0.53
1210	Shell-Thick	SLE-RARA	-1.0353	-2.2713	3.15	-0.53
1210	Shell-Thick	SLE-RARA	-1.4890	-2.0619	3.15	-0.92
1210	Shell-Thick	SLE-RARA	-1.2510	-1.9835	2.93	-0.92
1210	Shell-Thick	SLE-FREQ.	-0.6934	-2.0544	2.75	-0.72
1210	Shell-Thick	SLE-FREQ.	-0.9274	-2.1157	2.92	-0.72
1210	Shell-Thick	SLE-FREQ.	-1.3509	-1.9207	2.92	-1.02
1210	Shell-Thick	SLE-FREQ.	-1.1210	-1.8312	2.75	-1.02
1210	Shell-Thick	SLE-QP	-0.3952	-1.5462	2.22	-1.29
1210	Shell-Thick	SLE-QP	-0.6037	-1.6492	2.23	-1.29
1210	Shell-Thick	SLE-QP	-0.9367	-1.4973	2.23	-1.31
1210	Shell-Thick	SLE-QP	-0.7312	-1.3742	2.22	-1.31
1211	Shell-Thick	SLU-STATICA	-1.3865	-3.3265	4.17	0.35
1211	Shell-Thick	SLU-STATICA	-1.7214	-3.2996	4.62	0.35
1211	Shell-Thick	SLU-STATICA	-2.3764	-2.3701	4.62	-0.44
1211	Shell-Thick	SLU-STATICA	-2.0502	-2.3356	4.17	-0.44
1211	Shell-Thick	SLU-SISMICA	-2.3591	-4.7296	5.93	3.88
1211	Shell-Thick	SLU-SISMICA	-2.7351	-4.4305	7.01	3.88
1211	Shell-Thick	SLU-SISMICA	-3.6999	-3.1401	7.01	2.03
1211	Shell-Thick	SLU-SISMICA	-3.3357	-3.3552	5.93	2.03
1211	Shell-Thick	SLE-RARA	-1.0021	-2.4507	3.07	8.761E-02
1211	Shell-Thick	SLE-RARA	-1.2539	-2.4439	3.38	8.761E-02
1211	Shell-Thick	SLE-RARA	-1.7347	-1.7576	3.38	-0.45
1211	Shell-Thick	SLE-RARA	-1.4895	-1.7190	3.07	-0.45
1211	Shell-Thick	SLE-FREQ.	-0.8975	-2.2750	2.85	-0.21
1211	Shell-Thick	SLE-FREQ.	-1.1397	-2.2907	3.10	-0.21
1211	Shell-Thick	SLE-FREQ.	-1.5832	-1.6509	3.10	-0.64
1211	Shell-Thick	SLE-FREQ.	-1.3471	-1.5928	2.85	-0.64
1211	Shell-Thick	SLE-QP	-0.5836	-1.7478	2.19	-1.08
1211	Shell-Thick	SLE-QP	-0.7970	-1.8311	2.27	-1.08
1211	Shell-Thick	SLE-QP	-1.1286	-1.3311	2.27	-1.22
1211	Shell-Thick	SLE-QP	-0.9200	-1.2143	2.19	-1.22
1212	Shell-Thick	SLU-STATICA	-1.6553	-2.9326	4.63	1.28
1212	Shell-Thick	SLU-STATICA	-1.9379	-2.8316	5.16	1.28
1212	Shell-Thick	SLU-STATICA	-2.6678	-2.4489	5.16	0.37
1212	Shell-Thick	SLU-STATICA	-2.3935	-2.4919	4.63	0.37
1212	Shell-Thick	SLU-SISMICA	-2.6343	-3.9850	6.99	5.81
1212	Shell-Thick	SLU-SISMICA	-2.8871	-3.5178	8.11	5.81
1212	Shell-Thick	SLU-SISMICA	-4.0138	-3.0763	8.11	3.87
1212	Shell-Thick	SLU-SISMICA	-3.7740	-3.4517	6.99	3.87
1212	Shell-Thick	SLE-RARA	-1.2055	-2.1697	3.39	0.75
1212	Shell-Thick	SLE-RARA	-1.4211	-2.1114	3.76	0.75
1212	Shell-Thick	SLE-RARA	-1.9544	-1.8244	3.76	0.11
1212	Shell-Thick	SLE-RARA	-1.7448	-1.8404	3.39	0.11
1212	Shell-Thick	SLE-FREQ.	-1.0953	-2.0297	3.11	0.36
1212	Shell-Thick	SLE-FREQ.	-1.3081	-2.0029	3.42	0.36
1212	Shell-Thick	SLE-FREQ.	-1.7956	-1.7279	3.42	-0.18
1212	Shell-Thick	SLE-FREQ.	-1.5884	-1.7161	3.11	-0.18
1212	Shell-Thick	SLE-QP	-0.7648	-1.6098	2.28	-0.82

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1212	Shell-Thick	SLE-QP	-0.9689	-1.6776	2.42	-0.82
1212	Shell-Thick	SLE-QP	-1.3192	-1.4382	2.42	-1.05
1212	Shell-Thick	SLE-QP	-1.1190	-1.3433	2.28	-1.05
1213	Shell-Thick	SLU-STATICA	-1.8509	-2.7012	5.08	2.32
1213	Shell-Thick	SLU-STATICA	-2.2775	-2.5227	5.72	2.32
1213	Shell-Thick	SLU-STATICA	-3.0849	-2.0038	5.72	1.21
1213	Shell-Thick	SLU-STATICA	-2.6654	-2.1326	5.08	1.21
1213	Shell-Thick	SLU-SISMICA	-2.7610	-3.4203	7.99	7.82
1213	Shell-Thick	SLU-SISMICA	-3.2332	-2.7981	9.23	7.82
1213	Shell-Thick	SLU-SISMICA	-4.5201	-2.2116	9.23	5.68
1213	Shell-Thick	SLU-SISMICA	-4.0578	-2.7632	7.99	5.68
1213	Shell-Thick	SLE-RARA	-1.3572	-2.0110	3.71	1.48
1213	Shell-Thick	SLE-RARA	-1.6781	-1.8978	4.16	1.48
1213	Shell-Thick	SLE-RARA	-2.2660	-1.5080	4.16	0.70
1213	Shell-Thick	SLE-RARA	-1.9503	-1.5845	3.71	0.70
1213	Shell-Thick	SLE-FREQ.	-1.2489	-1.9023	3.38	0.99
1213	Shell-Thick	SLE-FREQ.	-1.5582	-1.8284	3.77	0.99
1213	Shell-Thick	SLE-FREQ.	-2.0922	-1.4538	3.77	0.31
1213	Shell-Thick	SLE-FREQ.	-1.7878	-1.4936	3.38	0.31
1213	Shell-Thick	SLE-QP	-0.9242	-1.5763	2.39	-0.47
1213	Shell-Thick	SLE-QP	-1.1985	-1.6201	2.60	-0.47
1213	Shell-Thick	SLE-QP	-1.5708	-1.2910	2.60	-0.84
1213	Shell-Thick	SLE-QP	-1.3002	-1.2209	2.39	-0.84
1214	Shell-Thick	SLU-STATICA	-2.1706	-2.1541	5.69	3.42
1214	Shell-Thick	SLU-STATICA	-2.4725	-1.8750	6.41	3.42
1214	Shell-Thick	SLU-STATICA	-3.3747	-1.6209	6.41	2.17
1214	Shell-Thick	SLU-STATICA	-3.0830	-1.8283	5.69	2.17
1214	Shell-Thick	SLU-SISMICA	-3.0830	-2.3806	9.15	9.85
1214	Shell-Thick	SLU-SISMICA	-3.3334	-1.5653	10.46	9.85
1214	Shell-Thick	SLU-SISMICA	-4.7967	-1.3891	10.46	7.58
1214	Shell-Thick	SLU-SISMICA	-4.5624	-2.0899	9.15	7.58
1214	Shell-Thick	SLE-RARA	-1.5993	-1.6209	4.14	2.27
1214	Shell-Thick	SLE-RARA	-1.8306	-1.4362	4.65	2.27
1214	Shell-Thick	SLE-RARA	-2.4863	-1.2397	4.65	1.37
1214	Shell-Thick	SLE-RARA	-2.2624	-1.3723	4.14	1.37
1214	Shell-Thick	SLE-FREQ.	-1.4848	-1.5623	3.75	1.69
1214	Shell-Thick	SLE-FREQ.	-1.7147	-1.4262	4.21	1.69
1214	Shell-Thick	SLE-FREQ.	-2.3081	-1.2282	4.21	0.90
1214	Shell-Thick	SLE-FREQ.	-2.0850	-1.3170	3.75	0.90
1214	Shell-Thick	SLE-QP	-1.1416	-1.3866	2.59	-6.407E-02
1214	Shell-Thick	SLE-QP	-1.3670	-1.3964	2.86	-6.407E-02
1214	Shell-Thick	SLE-QP	-1.7737	-1.1937	2.86	-0.54
1214	Shell-Thick	SLE-QP	-1.5529	-1.1510	2.59	-0.54
1215	Shell-Thick	SLU-STATICA	-2.3453	-1.4877	6.35	4.58
1215	Shell-Thick	SLU-STATICA	-2.8456	-1.1207	7.18	4.58
1215	Shell-Thick	SLU-STATICA	-3.8562	-1.0145	7.18	3.16
1215	Shell-Thick	SLU-STATICA	-3.3644	-1.3208	6.35	3.16
1215	Shell-Thick	SLU-SISMICA	-3.1584	-1.1113	10.36	11.89
1215	Shell-Thick	SLU-SISMICA	-3.7095	-0.1377	11.77	11.89
1215	Shell-Thick	SLU-SISMICA	-5.3638	-0.2292	11.77	9.45
1215	Shell-Thick	SLU-SISMICA	-4.8254	-1.1119	10.36	9.45
1215	Shell-Thick	SLE-RARA	-1.7366	-1.1461	4.61	3.11
1215	Shell-Thick	SLE-RARA	-2.1132	-0.8982	5.21	3.11
1215	Shell-Thick	SLE-RARA	-2.8469	-0.8078	5.21	2.08
1215	Shell-Thick	SLE-RARA	-2.4765	-1.0112	4.61	2.08
1215	Shell-Thick	SLE-FREQ.	-1.6270	-1.1487	4.17	2.43
1215	Shell-Thick	SLE-FREQ.	-1.9901	-0.9568	4.70	2.43
1215	Shell-Thick	SLE-FREQ.	-2.6528	-0.8525	4.70	1.51
1215	Shell-Thick	SLE-FREQ.	-2.2954	-1.0034	4.17	1.51
1215	Shell-Thick	SLE-QP	-1.2980	-1.1568	2.84	0.40
1215	Shell-Thick	SLE-QP	-1.6208	-1.1327	3.18	0.40
1215	Shell-Thick	SLE-QP	-2.0705	-0.9863	3.18	-0.20
1215	Shell-Thick	SLE-QP	-1.7520	-0.9801	2.84	-0.20
1216	Shell-Thick	SLU-STATICA	-2.7025	-0.6923	7.11	5.81
1216	Shell-Thick	SLU-STATICA	-3.0488	-0.2099	8.02	5.81
1216	Shell-Thick	SLU-STATICA	-4.1774	-0.2756	8.02	4.23
1216	Shell-Thick	SLU-STATICA	-3.8441	-0.6669	7.11	4.23
1216	Shell-Thick	SLU-SISMICA	-3.5163	0.3406	11.66	13.95
1216	Shell-Thick	SLU-SISMICA	-3.8112	1.5154	13.14	13.95

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1216	Shell-Thick	SLU-SISMICA	-5.6616	1.1700	13.14	11.38
1216	Shell-Thick	SLU-SISMICA	-5.3873	0.1408	11.66	11.38
1216	Shell-Thick	SLE-RARA	-2.0073	-0.5760	5.16	4.00
1216	Shell-Thick	SLE-RARA	-2.2722	-0.2450	5.82	4.00
1216	Shell-Thick	SLE-RARA	-3.0914	-0.2808	5.82	2.85
1216	Shell-Thick	SLE-RARA	-2.8359	-0.5455	5.16	2.85
1216	Shell-Thick	SLE-FREQ.	-1.8909	-0.6467	4.66	3.23
1216	Shell-Thick	SLE-FREQ.	-2.1535	-0.3808	5.26	3.23
1216	Shell-Thick	SLE-FREQ.	-2.8932	-0.3927	5.26	2.19
1216	Shell-Thick	SLE-FREQ.	-2.6392	-0.5985	4.66	2.19
1216	Shell-Thick	SLE-QP	-1.5418	-0.8588	3.16	0.93
1216	Shell-Thick	SLE-QP	-1.7975	-0.7881	3.56	0.93
1216	Shell-Thick	SLE-QP	-2.2986	-0.7284	3.56	0.22
1216	Shell-Thick	SLE-QP	-2.0489	-0.7572	3.16	0.22
1217	Shell-Thick	SLU-STATICA	-2.8877	0.3455	7.96	7.06
1217	Shell-Thick	SLU-STATICA	-3.4620	0.9293	8.96	7.06
1217	Shell-Thick	SLU-STATICA	-4.7255	0.5359	8.96	5.33
1217	Shell-Thick	SLU-STATICA	-4.1639	0.0421	7.96	5.33
1217	Shell-Thick	SLU-SISMICA	-3.5964	2.1933	13.05	15.98
1217	Shell-Thick	SLU-SISMICA	-4.2351	3.5346	14.62	15.98
1217	Shell-Thick	SLU-SISMICA	-6.3012	2.6676	14.62	13.27
1217	Shell-Thick	SLU-SISMICA	-5.6820	1.4646	13.05	13.27
1217	Shell-Thick	SLE-RARA	-2.1528	0.1698	5.78	4.91
1217	Shell-Thick	SLE-RARA	-2.5847	0.5744	6.51	4.91
1217	Shell-Thick	SLE-RARA	-3.5021	0.2999	6.51	3.64
1217	Shell-Thick	SLE-RARA	-3.0795	-0.0390	5.78	3.64
1217	Shell-Thick	SLE-FREQ.	-2.0415	0.0137	5.22	4.05
1217	Shell-Thick	SLE-FREQ.	-2.4575	0.3461	5.89	4.05
1217	Shell-Thick	SLE-FREQ.	-3.2863	0.1173	5.89	2.90
1217	Shell-Thick	SLE-FREQ.	-2.8788	-0.1549	5.22	2.90
1217	Shell-Thick	SLE-QP	-1.7075	-0.4544	3.54	1.49
1217	Shell-Thick	SLE-QP	-2.0757	-0.3387	4.01	1.49
1217	Shell-Thick	SLE-QP	-2.6388	-0.4305	4.01	0.67
1217	Shell-Thick	SLE-QP	-2.2768	-0.5028	3.54	0.67
1218	Shell-Thick	SLU-STATICA	-3.3051	1.3793	8.89	8.27
1218	Shell-Thick	SLU-STATICA	-3.6169	2.0102	9.82	8.27
1218	Shell-Thick	SLU-STATICA	-5.0163	1.4243	9.82	6.42
1218	Shell-Thick	SLU-STATICA	-4.7128	0.9337	8.89	6.42
1218	Shell-Thick	SLU-SISMICA	-4.0299	4.0284	14.49	17.88
1218	Shell-Thick	SLU-SISMICA	-4.2886	5.3974	15.92	17.88
1218	Shell-Thick	SLU-SISMICA	-6.5632	4.2622	15.92	15.07
1218	Shell-Thick	SLU-SISMICA	-6.3179	3.1162	14.49	15.07
1218	Shell-Thick	SLE-RARA	-2.4682	0.9131	6.45	5.79
1218	Shell-Thick	SLE-RARA	-2.7072	1.3544	7.14	5.79
1218	Shell-Thick	SLE-RARA	-3.7239	0.9378	7.14	4.43
1218	Shell-Thick	SLE-RARA	-3.4911	0.5988	6.45	4.43
1218	Shell-Thick	SLE-FREQ.	-2.3478	0.6729	5.83	4.86
1218	Shell-Thick	SLE-FREQ.	-2.5852	1.0427	6.46	4.86
1218	Shell-Thick	SLE-FREQ.	-3.5050	0.6815	6.46	3.61
1218	Shell-Thick	SLE-FREQ.	-3.2731	0.4047	5.83	3.61
1218	Shell-Thick	SLE-QP	-1.9865	-0.0478	3.97	2.06
1218	Shell-Thick	SLE-QP	-2.2194	0.1074	4.43	2.06
1218	Shell-Thick	SLE-QP	-2.8481	-0.0876	4.43	1.15
1218	Shell-Thick	SLE-QP	-2.6192	-0.1777	3.97	1.15
1219	Shell-Thick	SLU-STATICA	-2.2109	-2.8136	3.24	-1.13
1219	Shell-Thick	SLU-STATICA	-2.6475	-2.8965	3.44	-1.13
1219	Shell-Thick	SLU-STATICA	-3.1446	-1.6557	3.44	-1.47
1219	Shell-Thick	SLU-STATICA	-2.7168	-1.5122	3.24	-1.47
1219	Shell-Thick	SLU-SISMICA	-3.6771	-4.0983	3.74	0.35
1219	Shell-Thick	SLU-SISMICA	-4.2579	-4.0965	4.63	0.35
1219	Shell-Thick	SLU-SISMICA	-4.8805	-2.2427	4.63	-1.20
1219	Shell-Thick	SLU-SISMICA	-4.3107	-2.1669	3.74	-1.20
1219	Shell-Thick	SLE-RARA	-1.6022	-2.0680	2.43	-0.93
1219	Shell-Thick	SLE-RARA	-1.9258	-2.1350	2.55	-0.93
1219	Shell-Thick	SLE-RARA	-2.2963	-1.2253	2.55	-1.13
1219	Shell-Thick	SLE-RARA	-1.9792	-1.1132	2.43	-1.13
1219	Shell-Thick	SLE-FREQ.	-1.4422	-1.9114	2.33	-1.03
1219	Shell-Thick	SLE-FREQ.	-1.7460	-1.9837	2.39	-1.03
1219	Shell-Thick	SLE-FREQ.	-2.0970	-1.1469	2.39	-1.12

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1219	Shell-Thick	SLE-FREQ.	-1.7995	-1.0320	2.33	-1.12
1219	Shell-Thick	SLE-QP	-0.9622	-1.4417	2.03	-1.32
1219	Shell-Thick	SLE-QP	-1.2065	-1.5299	1.91	-1.32
1219	Shell-Thick	SLE-QP	-1.4992	-0.9115	1.91	-1.11
1219	Shell-Thick	SLE-QP	-1.2601	-0.7882	2.03	-1.11
1220	Shell-Thick	SLU-STATICA	-2.6255	-2.4478	3.52	-0.44
1220	Shell-Thick	SLU-STATICA	-2.9546	-2.4885	3.82	-0.44
1220	Shell-Thick	SLU-STATICA	-3.5021	-2.2441	3.82	-0.95
1220	Shell-Thick	SLU-STATICA	-3.1786	-2.1645	3.52	-0.95
1220	Shell-Thick	SLU-SISMICA	-4.2064	-3.4929	4.71	2.05
1220	Shell-Thick	SLU-SISMICA	-4.5710	-3.3507	5.59	2.05
1220	Shell-Thick	SLU-SISMICA	-5.3399	-3.0220	5.59	0.53
1220	Shell-Thick	SLU-SISMICA	-4.9836	-3.1043	4.71	0.53
1220	Shell-Thick	SLE-RARA	-1.9107	-1.8028	2.61	-0.45
1220	Shell-Thick	SLE-RARA	-2.1582	-1.8427	2.80	-0.45
1220	Shell-Thick	SLE-RARA	-2.5621	-1.6616	2.80	-0.79
1220	Shell-Thick	SLE-RARA	-2.3186	-1.5933	2.61	-0.79
1220	Shell-Thick	SLE-FREQ.	-1.7336	-1.6724	2.45	-0.65
1220	Shell-Thick	SLE-FREQ.	-1.9722	-1.7264	2.59	-0.65
1220	Shell-Thick	SLE-FREQ.	-2.3479	-1.5567	2.59	-0.89
1220	Shell-Thick	SLE-FREQ.	-2.1131	-1.4768	2.45	-0.89
1220	Shell-Thick	SLE-QP	-1.2025	-1.2814	1.96	-1.23
1220	Shell-Thick	SLE-QP	-1.4140	-1.3775	1.94	-1.23
1220	Shell-Thick	SLE-QP	-1.7053	-1.2420	1.94	-1.20
1220	Shell-Thick	SLE-QP	-1.4966	-1.1273	1.96	-1.20
1221	Shell-Thick	SLU-STATICA	-2.9097	-2.6077	3.74	0.36
1221	Shell-Thick	SLU-STATICA	-3.4208	-2.5870	4.13	0.36
1221	Shell-Thick	SLU-STATICA	-4.0082	-1.9190	4.13	-0.32
1221	Shell-Thick	SLU-STATICA	-3.5024	-1.9019	3.74	-0.32
1221	Shell-Thick	SLU-SISMICA	-4.4950	-3.5909	5.45	3.87
1221	Shell-Thick	SLU-SISMICA	-5.1357	-3.3056	6.45	3.87
1221	Shell-Thick	SLU-SISMICA	-6.0248	-2.4176	6.45	2.14
1221	Shell-Thick	SLU-SISMICA	-5.3906	-2.6554	5.45	2.14
1221	Shell-Thick	SLE-RARA	-2.1258	-1.9269	2.75	9.870E-02
1221	Shell-Thick	SLE-RARA	-2.5066	-1.9244	3.01	9.870E-02
1221	Shell-Thick	SLE-RARA	-2.9367	-1.4293	3.01	-0.37
1221	Shell-Thick	SLE-RARA	-2.5598	-1.4036	2.75	-0.37
1221	Shell-Thick	SLE-FREQ.	-1.9431	-1.7986	2.54	-0.19
1221	Shell-Thick	SLE-FREQ.	-2.3039	-1.8179	2.75	-0.19
1221	Shell-Thick	SLE-FREQ.	-2.6985	-1.3531	2.75	-0.56
1221	Shell-Thick	SLE-FREQ.	-2.3415	-1.3071	2.54	-0.56
1221	Shell-Thick	SLE-QP	-1.3950	-1.4137	1.91	-1.07
1221	Shell-Thick	SLE-QP	-1.6957	-1.4984	1.95	-1.07
1221	Shell-Thick	SLE-QP	-1.9841	-1.1245	1.95	-1.14
1221	Shell-Thick	SLE-QP	-1.6867	-1.0175	1.91	-1.14
1222	Shell-Thick	SLU-STATICA	-3.3540	-2.2499	4.13	1.22
1222	Shell-Thick	SLU-STATICA	-3.7056	-2.1484	4.59	1.22
1222	Shell-Thick	SLU-STATICA	-4.3557	-1.9020	4.59	0.42
1222	Shell-Thick	SLU-STATICA	-4.0126	-1.9440	4.13	0.42
1222	Shell-Thick	SLU-SISMICA	-5.0322	-2.9039	6.42	5.71
1222	Shell-Thick	SLU-SISMICA	-5.3881	-2.4394	7.46	5.71
1222	Shell-Thick	SLU-SISMICA	-6.4231	-2.2073	7.46	3.90
1222	Shell-Thick	SLU-SISMICA	-6.0803	-2.5791	6.42	3.90
1222	Shell-Thick	SLE-RARA	-2.4578	-1.6722	3.01	0.70
1222	Shell-Thick	SLE-RARA	-2.7240	-1.6134	3.34	0.70
1222	Shell-Thick	SLE-RARA	-3.1975	-1.4260	3.34	0.15
1222	Shell-Thick	SLE-RARA	-2.9374	-1.4414	3.01	0.15
1222	Shell-Thick	SLE-FREQ.	-2.2593	-1.5772	2.75	0.32
1222	Shell-Thick	SLE-FREQ.	-2.5186	-1.5497	3.02	0.32
1222	Shell-Thick	SLE-FREQ.	-2.9487	-1.3658	3.02	-0.14
1222	Shell-Thick	SLE-FREQ.	-2.6951	-1.3537	2.75	-0.14
1222	Shell-Thick	SLE-QP	-1.6638	-1.2923	1.96	-0.84
1222	Shell-Thick	SLE-QP	-1.9023	-1.3587	2.06	-0.84
1222	Shell-Thick	SLE-QP	-2.2025	-1.1850	2.06	-1.01
1222	Shell-Thick	SLE-QP	-1.9680	-1.0905	1.96	-1.01
1223	Shell-Thick	SLU-STATICA	-3.6223	-1.9436	4.54	2.16
1223	Shell-Thick	SLU-STATICA	-4.1906	-1.7766	5.10	2.16
1223	Shell-Thick	SLU-STATICA	-4.9111	-1.5291	5.10	1.20
1223	Shell-Thick	SLU-STATICA	-4.3486	-1.6546	4.54	1.20



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1223	Shell-Thick	SLU-SISMICA	-5.2658	-2.2264	7.37	7.58
1223	Shell-Thick	SLU-SISMICA	-5.9501	-1.6240	8.51	7.58
1223	Shell-Thick	SLU-SISMICA	-7.1372	-1.4514	8.51	5.62
1223	Shell-Thick	SLU-SISMICA	-6.4608	-1.9972	7.37	5.62
1223	Shell-Thick	SLE-RARA	-2.6628	-1.4586	3.30	1.37
1223	Shell-Thick	SLE-RARA	-3.0877	-1.3538	3.70	1.37
1223	Shell-Thick	SLE-RARA	-3.6104	-1.1626	3.70	0.69
1223	Shell-Thick	SLE-RARA	-3.1899	-1.2367	3.30	0.69
1223	Shell-Thick	SLE-FREQ.	-2.4621	-1.3994	2.99	0.89
1223	Shell-Thick	SLE-FREQ.	-2.8670	-1.3330	3.32	0.89
1223	Shell-Thick	SLE-FREQ.	-3.3385	-1.1403	3.32	0.31
1223	Shell-Thick	SLE-FREQ.	-2.9376	-1.1780	2.99	0.31
1223	Shell-Thick	SLE-QP	-1.8599	-1.2218	2.05	-0.55
1223	Shell-Thick	SLE-QP	-2.2048	-1.2705	2.21	-0.55
1223	Shell-Thick	SLE-QP	-2.5226	-1.0735	2.21	-0.83
1223	Shell-Thick	SLE-QP	-2.1809	-1.0021	2.05	-0.83
1224	Shell-Thick	SLU-STATICA	-4.0904	-1.4363	5.06	3.17
1224	Shell-Thick	SLU-STATICA	-4.4764	-1.1682	5.69	3.17
1224	Shell-Thick	SLU-STATICA	-5.2775	-1.1368	5.69	2.09
1224	Shell-Thick	SLU-STATICA	-4.9027	-1.3261	5.06	2.09
1224	Shell-Thick	SLU-SISMICA	-5.8083	-1.2496	8.43	9.49
1224	Shell-Thick	SLU-SISMICA	-6.1843	-0.4523	9.62	9.49
1224	Shell-Thick	SLU-SISMICA	-7.5292	-0.6102	9.62	7.43
1224	Shell-Thick	SLU-SISMICA	-7.1707	-1.2843	8.43	7.43
1224	Shell-Thick	SLE-RARA	-3.0138	-1.0976	3.67	2.09
1224	Shell-Thick	SLE-RARA	-3.3069	-0.9209	4.12	2.09
1224	Shell-Thick	SLE-RARA	-3.8868	-0.8876	4.12	1.31
1224	Shell-Thick	SLE-RARA	-3.6020	-1.0069	3.67	1.31
1224	Shell-Thick	SLE-FREQ.	-2.7983	-1.0859	3.30	1.52
1224	Shell-Thick	SLE-FREQ.	-3.0850	-0.9570	3.69	1.52
1224	Shell-Thick	SLE-FREQ.	-3.6059	-0.9090	3.69	0.84
1224	Shell-Thick	SLE-FREQ.	-3.3268	-0.9855	3.30	0.84
1224	Shell-Thick	SLE-QP	-2.1519	-1.0508	2.20	-0.19
1224	Shell-Thick	SLE-QP	-2.4193	-1.0654	2.42	-0.19
1224	Shell-Thick	SLE-QP	-2.7633	-0.9732	2.42	-0.57
1224	Shell-Thick	SLE-QP	-2.5012	-0.9214	2.20	-0.57
1225	Shell-Thick	SLU-STATICA	-4.3620	-0.7753	5.65	4.23
1225	Shell-Thick	SLU-STATICA	-4.9709	-0.4295	6.36	4.23
1225	Shell-Thick	SLU-STATICA	-5.8671	-0.6227	6.36	3.00
1225	Shell-Thick	SLU-STATICA	-5.2671	-0.9055	5.65	3.00
1225	Shell-Thick	SLU-SISMICA	-6.0266	0.0131	9.54	11.38
1225	Shell-Thick	SLU-SISMICA	-6.7391	0.9543	10.80	11.38
1225	Shell-Thick	SLU-SISMICA	-8.2587	0.4122	10.80	9.20
1225	Shell-Thick	SLU-SISMICA	-7.5591	-0.4367	9.54	9.20
1225	Shell-Thick	SLE-RARA	-3.2223	-0.6267	4.09	2.85
1225	Shell-Thick	SLE-RARA	-3.6785	-0.3944	4.60	2.85
1225	Shell-Thick	SLE-RARA	-4.3266	-0.5234	4.60	1.96
1225	Shell-Thick	SLE-RARA	-3.8769	-0.7095	4.09	1.96
1225	Shell-Thick	SLE-FREQ.	-3.0060	-0.6761	3.67	2.19
1225	Shell-Thick	SLE-FREQ.	-3.4425	-0.4984	4.12	2.19
1225	Shell-Thick	SLE-FREQ.	-4.0234	-0.5955	4.12	1.41
1225	Shell-Thick	SLE-FREQ.	-3.5930	-0.7305	3.67	1.41
1225	Shell-Thick	SLE-QP	-2.3573	-0.8241	2.40	0.21
1225	Shell-Thick	SLE-QP	-2.7345	-0.8104	2.68	0.21
1225	Shell-Thick	SLE-QP	-3.1137	-0.8120	2.68	-0.27
1225	Shell-Thick	SLE-QP	-2.7411	-0.7936	2.40	-0.27
1226	Shell-Thick	SLU-STATICA	-4.8471	-0.0616	6.30	5.35
1226	Shell-Thick	SLU-STATICA	-5.2563	0.3968	7.07	5.35
1226	Shell-Thick	SLU-STATICA	-6.2521	0.0304	7.07	4.00
1226	Shell-Thick	SLU-STATICA	-5.8577	-0.3246	6.30	4.00
1226	Shell-Thick	SLU-SISMICA	-6.5729	1.3414	10.70	13.30
1226	Shell-Thick	SLU-SISMICA	-6.9625	2.4804	12.01	13.30
1226	Shell-Thick	SLU-SISMICA	-8.6542	1.6896	12.01	11.03
1226	Shell-Thick	SLU-SISMICA	-8.2876	0.7117	10.70	11.03
1226	Shell-Thick	SLE-RARA	-3.5868	-0.1166	4.55	3.65
1226	Shell-Thick	SLE-RARA	-3.8978	0.1969	5.11	3.65
1226	Shell-Thick	SLE-RARA	-4.6178	-0.0596	5.11	2.68
1226	Shell-Thick	SLE-RARA	-4.3175	-0.2976	4.55	2.68
1226	Shell-Thick	SLE-FREQ.	-3.3566	-0.2290	4.08	2.91



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1226	Shell-Thick	SLE-FREQ.	-3.6615	0.0208	4.58	2.91
1226	Shell-Thick	SLE-FREQ.	-4.3065	-0.1945	4.58	2.04
1226	Shell-Thick	SLE-FREQ.	-4.0114	-0.3755	4.08	2.04
1226	Shell-Thick	SLE-QP	-2.6658	-0.5663	2.66	0.68
1226	Shell-Thick	SLE-QP	-2.9525	-0.5075	2.99	0.68
1226	Shell-Thick	SLE-QP	-3.3727	-0.5992	2.99	0.11
1226	Shell-Thick	SLE-QP	-3.0930	-0.6090	2.66	0.11
1227	Shell-Thick	SLU-STATICA	-5.1339	0.8239	7.03	6.40
1227	Shell-Thick	SLU-STATICA	-5.7022	1.3127	7.75	6.40
1227	Shell-Thick	SLU-STATICA	-6.8079	0.6244	7.75	4.97
1227	Shell-Thick	SLU-STATICA	-6.2462	0.2449	7.03	4.97
1227	Shell-Thick	SLU-SISMICA	-6.8017	2.9803	11.93	15.04
1227	Shell-Thick	SLU-SISMICA	-7.4591	4.1221	13.11	15.04
1227	Shell-Thick	SLU-SISMICA	-9.3328	2.8168	13.11	12.73
1227	Shell-Thick	SLU-SISMICA	-8.6851	1.8391	11.93	12.73
1227	Shell-Thick	SLE-RARA	-3.8070	0.5169	5.08	4.42
1227	Shell-Thick	SLE-RARA	-4.2332	0.8547	5.61	4.42
1227	Shell-Thick	SLE-RARA	-5.0328	0.3639	5.61	3.38
1227	Shell-Thick	SLE-RARA	-4.6114	0.1061	5.08	3.38
1227	Shell-Thick	SLE-FREQ.	-3.5761	0.3269	4.55	3.60
1227	Shell-Thick	SLE-FREQ.	-3.9844	0.6028	5.03	3.60
1227	Shell-Thick	SLE-FREQ.	-4.7012	0.1747	5.03	2.66
1227	Shell-Thick	SLE-FREQ.	-4.2973	-0.0275	4.55	2.66
1227	Shell-Thick	SLE-QP	-2.8833	-0.2430	2.97	1.14
1227	Shell-Thick	SLE-QP	-3.2382	-0.1531	3.30	1.14
1227	Shell-Thick	SLE-QP	-3.7065	-0.3927	3.30	0.50
1227	Shell-Thick	SLE-QP	-3.3549	-0.4284	2.97	0.50
1228	Shell-Thick	SLU-STATICA	-3.6826	-2.2895	2.78	-0.96
1228	Shell-Thick	SLU-STATICA	-4.2664	-2.3728	2.90	-0.96
1228	Shell-Thick	SLU-STATICA	-4.6914	-1.4579	2.90	-1.17
1228	Shell-Thick	SLU-STATICA	-4.1104	-1.3554	2.78	-1.17
1228	Shell-Thick	SLU-SISMICA	-5.7424	-3.2567	3.21	0.53
1228	Shell-Thick	SLU-SISMICA	-6.5485	-3.2632	4.01	0.53
1228	Shell-Thick	SLU-SISMICA	-7.0887	-1.9072	4.01	-0.85
1228	Shell-Thick	SLU-SISMICA	-6.2845	-1.8859	3.21	-0.85
1228	Shell-Thick	SLE-RARA	-2.6878	-1.6866	2.09	-0.80
1228	Shell-Thick	SLE-RARA	-3.1191	-1.7536	2.14	-0.80
1228	Shell-Thick	SLE-RARA	-3.4354	-1.0823	2.14	-0.90
1228	Shell-Thick	SLE-RARA	-3.0063	-1.0006	2.09	-0.90
1228	Shell-Thick	SLE-FREQ.	-2.4523	-1.5656	2.00	-0.91
1228	Shell-Thick	SLE-FREQ.	-2.8547	-1.6372	2.00	-0.91
1228	Shell-Thick	SLE-FREQ.	-3.1537	-1.0187	2.00	-0.91
1228	Shell-Thick	SLE-FREQ.	-2.7535	-0.9323	2.00	-0.91
1228	Shell-Thick	SLE-QP	-1.7457	-1.2023	1.74	-1.22
1228	Shell-Thick	SLE-QP	-2.0613	-1.2880	1.57	-1.22
1228	Shell-Thick	SLE-QP	-2.3085	-0.8279	1.57	-0.92
1228	Shell-Thick	SLE-QP	-1.9951	-0.7275	1.74	-0.92
1229	Shell-Thick	SLU-STATICA	-4.2468	-2.0290	2.96	-0.31
1229	Shell-Thick	SLU-STATICA	-4.5806	-2.0553	3.19	-0.31
1229	Shell-Thick	SLU-STATICA	-5.0395	-1.8635	3.19	-0.71
1229	Shell-Thick	SLU-STATICA	-4.7109	-1.8009	2.96	-0.71
1229	Shell-Thick	SLU-SISMICA	-6.4980	-2.8108	4.05	2.18
1229	Shell-Thick	SLU-SISMICA	-6.8738	-2.6534	4.85	2.18
1229	Shell-Thick	SLU-SISMICA	-7.5379	-2.4112	4.85	0.79
1229	Shell-Thick	SLU-SISMICA	-7.1700	-2.5129	4.05	0.79
1229	Shell-Thick	SLE-RARA	-3.1058	-1.4985	2.19	-0.36
1229	Shell-Thick	SLE-RARA	-3.3567	-1.5275	2.34	-0.36
1229	Shell-Thick	SLE-RARA	-3.6942	-1.3848	2.34	-0.62
1229	Shell-Thick	SLE-RARA	-3.4471	-1.3291	2.19	-0.62
1229	Shell-Thick	SLE-FREQ.	-2.8442	-1.3973	2.04	-0.55
1229	Shell-Thick	SLE-FREQ.	-3.0854	-1.4407	2.14	-0.55
1229	Shell-Thick	SLE-FREQ.	-3.3978	-1.3056	2.14	-0.73
1229	Shell-Thick	SLE-FREQ.	-3.1600	-1.2378	2.04	-0.73
1229	Shell-Thick	SLE-QP	-2.0594	-1.0938	1.61	-1.14
1229	Shell-Thick	SLE-QP	-2.2718	-1.1803	1.56	-1.14
1229	Shell-Thick	SLE-QP	-2.5086	-1.0682	1.56	-1.05
1229	Shell-Thick	SLE-QP	-2.2988	-0.9640	1.61	-1.05
1230	Shell-Thick	SLU-STATICA	-4.5411	-2.0653	3.15	0.41
1230	Shell-Thick	SLU-STATICA	-5.1483	-2.0450	3.46	0.41

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1230	Shell-Thick	SLU-STATICA	-5.6427	-1.6423	3.46	-0.13
1230	Shell-Thick	SLU-STATICA	-5.0377	-1.6466	3.15	-0.13
1230	Shell-Thick	SLU-SISMICA	-6.8032	-2.7218	4.76	3.90
1230	Shell-Thick	SLU-SISMICA	-7.5924	-2.4431	5.66	3.90
1230	Shell-Thick	SLU-SISMICA	-8.3729	-1.9621	5.66	2.35
1230	Shell-Thick	SLU-SISMICA	-7.5853	-2.2272	4.76	2.35
1230	Shell-Thick	SLE-RARA	-3.3282	-1.5322	2.30	0.14
1230	Shell-Thick	SLE-RARA	-3.7793	-1.5297	2.51	0.14
1230	Shell-Thick	SLE-RARA	-4.1397	-1.2285	2.51	-0.22
1230	Shell-Thick	SLE-RARA	-3.6903	-1.2187	2.30	-0.22
1230	Shell-Thick	SLE-FREQ.	-3.0603	-1.4405	2.11	-0.15
1230	Shell-Thick	SLE-FREQ.	-3.4852	-1.4593	2.27	-0.15
1230	Shell-Thick	SLE-FREQ.	-3.8132	-1.1719	2.27	-0.42
1230	Shell-Thick	SLE-FREQ.	-3.3900	-1.1410	2.11	-0.42
1230	Shell-Thick	SLE-QP	-2.2564	-1.1653	1.55	-1.02
1230	Shell-Thick	SLE-QP	-2.6031	-1.2480	1.54	-1.02
1230	Shell-Thick	SLE-QP	-2.8339	-1.0022	1.54	-1.02
1230	Shell-Thick	SLE-QP	-2.4889	-0.9077	1.55	-1.02
1231	Shell-Thick	SLU-STATICA	-5.0895	-1.7751	3.45	1.22
1231	Shell-Thick	SLU-STATICA	-5.4669	-1.6680	3.83	1.22
1231	Shell-Thick	SLU-STATICA	-6.0092	-1.5592	3.83	0.56
1231	Shell-Thick	SLU-STATICA	-5.6404	-1.6066	3.45	0.56
1231	Shell-Thick	SLU-SISMICA	-7.4984	-2.1379	5.62	5.66
1231	Shell-Thick	SLU-SISMICA	-7.8970	-1.6702	6.56	5.66
1231	Shell-Thick	SLU-SISMICA	-8.8038	-1.6481	6.56	4.04
1231	Shell-Thick	SLU-SISMICA	-8.4182	-2.0240	5.62	4.04
1231	Shell-Thick	SLE-RARA	-3.7365	-1.3269	2.51	0.70
1231	Shell-Thick	SLE-RARA	-4.0214	-1.2638	2.77	0.70
1231	Shell-Thick	SLE-RARA	-4.4142	-1.1770	2.77	0.25
1231	Shell-Thick	SLE-RARA	-4.1355	-1.1965	2.51	0.25
1231	Shell-Thick	SLE-FREQ.	-3.4464	-1.2644	2.27	0.32
1231	Shell-Thick	SLE-FREQ.	-3.7225	-1.2325	2.48	0.32
1231	Shell-Thick	SLE-FREQ.	-4.0757	-1.1407	2.48	-4.118E-02
1231	Shell-Thick	SLE-FREQ.	-3.8053	-1.1327	2.27	-4.118E-02
1231	Shell-Thick	SLE-QP	-2.5761	-1.0768	1.55	-0.83
1231	Shell-Thick	SLE-QP	-2.8259	-1.1385	1.60	-0.83
1231	Shell-Thick	SLE-QP	-3.0602	-1.0317	1.60	-0.92
1231	Shell-Thick	SLE-QP	-2.8145	-0.9413	1.55	-0.92
1232	Shell-Thick	SLU-STATICA	-5.3959	-1.4363	3.80	2.08
1232	Shell-Thick	SLU-STATICA	-6.0217	-1.2741	4.26	2.08
1232	Shell-Thick	SLU-STATICA	-6.6245	-1.2755	4.26	1.29
1232	Shell-Thick	SLU-STATICA	-6.0032	-1.4056	3.80	1.29
1232	Shell-Thick	SLU-SISMICA	-7.7906	-1.4082	6.49	7.43
1232	Shell-Thick	SLU-SISMICA	-8.5653	-0.8175	7.50	7.43
1232	Shell-Thick	SLU-SISMICA	-9.6122	-1.0250	7.50	5.69
1232	Shell-Thick	SLU-SISMICA	-8.8430	-1.5749	6.49	5.69
1232	Shell-Thick	SLE-RARA	-3.9693	-1.0897	2.75	1.31
1232	Shell-Thick	SLE-RARA	-4.4361	-0.9881	3.07	1.31
1232	Shell-Thick	SLE-RARA	-4.8707	-0.9789	3.07	0.75
1232	Shell-Thick	SLE-RARA	-4.4073	-1.0567	2.75	0.75
1232	Shell-Thick	SLE-FREQ.	-3.6747	-1.0652	2.46	0.83
1232	Shell-Thick	SLE-FREQ.	-4.1177	-1.0013	2.73	0.83
1232	Shell-Thick	SLE-FREQ.	-4.5051	-0.9754	2.73	0.37
1232	Shell-Thick	SLE-FREQ.	-4.0653	-1.0167	2.46	0.37
1232	Shell-Thick	SLE-QP	-2.7907	-0.9915	1.59	-0.58
1232	Shell-Thick	SLE-QP	-3.1625	-1.0408	1.70	-0.58
1232	Shell-Thick	SLE-QP	-3.4082	-0.9647	1.70	-0.77
1232	Shell-Thick	SLE-QP	-3.0391	-0.8968	1.59	-0.77
1233	Shell-Thick	SLU-STATICA	-5.9390	-1.0107	4.23	3.02
1233	Shell-Thick	SLU-STATICA	-6.3377	-0.7460	4.74	3.02
1233	Shell-Thick	SLU-STATICA	-7.0045	-0.9089	4.74	2.12
1233	Shell-Thick	SLU-STATICA	-6.6176	-1.0914	4.23	2.12
1233	Shell-Thick	SLU-SISMICA	-8.4471	-0.5540	7.42	9.24
1233	Shell-Thick	SLU-SISMICA	-8.8479	0.2341	8.47	9.24
1233	Shell-Thick	SLU-SISMICA	-10.0308	-0.2149	8.47	7.43
1233	Shell-Thick	SLU-SISMICA	-9.6480	-0.8768	7.42	7.43
1233	Shell-Thick	SLE-RARA	-4.3752	-0.7886	3.04	1.98
1233	Shell-Thick	SLE-RARA	-4.6773	-0.6141	3.41	1.98
1233	Shell-Thick	SLE-RARA	-5.1568	-0.7233	3.41	1.34

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1233	Shell-Thick	SLE-RARA	-4.8634	-0.8377	3.04	1.34
1233	Shell-Thick	SLE-FREQ.	-4.0613	-0.8067	2.70	1.42
1233	Shell-Thick	SLE-FREQ.	-4.3557	-0.6795	3.02	1.42
1233	Shell-Thick	SLE-FREQ.	-4.7810	-0.7625	3.02	0.88
1233	Shell-Thick	SLE-FREQ.	-4.4945	-0.8347	2.70	0.88
1233	Shell-Thick	SLE-QP	-3.1193	-0.8609	1.69	-0.26
1233	Shell-Thick	SLE-QP	-3.3908	-0.8757	1.85	-0.26
1233	Shell-Thick	SLE-QP	-3.6534	-0.8801	1.85	-0.53
1233	Shell-Thick	SLE-QP	-3.3876	-0.8256	1.69	-0.53
1234	Shell-Thick	SLU-STATICA	-6.2476	-0.4146	4.71	3.99
1234	Shell-Thick	SLU-STATICA	-6.8661	-0.0804	5.29	3.99
1234	Shell-Thick	SLU-STATICA	-7.6121	-0.5044	5.29	3.00
1234	Shell-Thick	SLU-STATICA	-7.0023	-0.7784	4.71	3.00
1234	Shell-Thick	SLU-SISMICA	-8.7237	0.6167	8.41	11.02
1234	Shell-Thick	SLU-SISMICA	-9.4557	1.5371	9.50	11.02
1234	Shell-Thick	SLU-SISMICA	-10.7928	0.6468	9.50	9.15
1234	Shell-Thick	SLU-SISMICA	-10.0730	-0.1876	8.41	9.15
1234	Shell-Thick	SLE-RARA	-4.6107	-0.3655	3.39	2.68
1234	Shell-Thick	SLE-RARA	-5.0736	-0.1415	3.80	2.68
1234	Shell-Thick	SLE-RARA	-5.6095	-0.4396	3.80	1.96
1234	Shell-Thick	SLE-RARA	-5.1529	-0.6193	3.39	1.96
1234	Shell-Thick	SLE-FREQ.	-4.2935	-0.4413	3.00	2.03
1234	Shell-Thick	SLE-FREQ.	-4.7357	-0.2709	3.36	2.03
1234	Shell-Thick	SLE-FREQ.	-5.2098	-0.5233	3.36	1.41
1234	Shell-Thick	SLE-FREQ.	-4.7735	-0.6525	3.00	1.41
1234	Shell-Thick	SLE-QP	-3.3420	-0.6685	1.84	0.10
1234	Shell-Thick	SLE-QP	-3.7220	-0.6593	2.04	0.10
1234	Shell-Thick	SLE-QP	-4.0107	-0.7747	2.04	-0.25
1234	Shell-Thick	SLE-QP	-3.6353	-0.7524	1.84	-0.25
1235	Shell-Thick	SLU-STATICA	-6.7805	0.1509	5.24	4.98
1235	Shell-Thick	SLU-STATICA	-7.0968	0.5538	5.79	4.98
1235	Shell-Thick	SLU-STATICA	-7.9202	-0.0302	5.79	3.91
1235	Shell-Thick	SLU-STATICA	-7.6116	-0.3054	5.24	3.91
1235	Shell-Thick	SLU-SISMICA	-9.3423	1.7343	9.41	12.74
1235	Shell-Thick	SLU-SISMICA	-9.6275	2.7312	10.38	12.74
1235	Shell-Thick	SLU-SISMICA	-11.1058	1.6201	10.38	10.82
1235	Shell-Thick	SLU-SISMICA	-10.8324	0.8187	9.41	10.82
1235	Shell-Thick	SLE-RARA	-5.0102	0.0354	3.76	3.39
1235	Shell-Thick	SLE-RARA	-5.2514	0.3111	4.15	3.39
1235	Shell-Thick	SLE-RARA	-5.8427	-0.1051	4.15	2.62
1235	Shell-Thick	SLE-RARA	-5.6071	-0.2874	3.76	2.62
1235	Shell-Thick	SLE-FREQ.	-4.6761	-0.0956	3.33	2.66
1235	Shell-Thick	SLE-FREQ.	-4.9140	0.1245	3.67	2.66
1235	Shell-Thick	SLE-FREQ.	-5.4368	-0.2381	3.67	1.98
1235	Shell-Thick	SLE-FREQ.	-5.2042	-0.3727	3.33	1.98
1235	Shell-Thick	SLE-QP	-3.6740	-0.4886	2.02	0.50
1235	Shell-Thick	SLE-QP	-3.9016	-0.4354	2.24	0.50
1235	Shell-Thick	SLE-QP	-4.2193	-0.6372	2.24	8.422E-02
1235	Shell-Thick	SLE-QP	-3.9954	-0.6286	2.02	8.422E-02
1236	Shell-Thick	SLU-STATICA	-5.2358	-1.9316	2.18	-0.73
1236	Shell-Thick	SLU-STATICA	-5.8789	-2.0057	2.21	-0.73
1236	Shell-Thick	SLU-STATICA	-6.2096	-1.3941	2.21	-0.79
1236	Shell-Thick	SLU-STATICA	-5.5641	-1.3360	2.18	-0.79
1236	Shell-Thick	SLU-SISMICA	-7.9417	-2.6690	2.50	0.79
1236	Shell-Thick	SLU-SISMICA	-8.8452	-2.6708	3.18	0.79
1236	Shell-Thick	SLU-SISMICA	-9.2746	-1.7790	3.18	-0.39
1236	Shell-Thick	SLU-SISMICA	-8.3652	-1.8158	2.50	-0.39
1236	Shell-Thick	SLE-RARA	-3.8325	-1.4269	1.64	-0.63
1236	Shell-Thick	SLE-RARA	-4.3069	-1.4866	1.63	-0.63
1236	Shell-Thick	SLE-RARA	-4.5525	-1.0371	1.63	-0.62
1236	Shell-Thick	SLE-RARA	-4.0766	-0.9884	1.64	-0.62
1236	Shell-Thick	SLE-FREQ.	-3.5157	-1.3311	1.57	-0.74
1236	Shell-Thick	SLE-FREQ.	-3.9569	-1.3953	1.51	-0.74
1236	Shell-Thick	SLE-FREQ.	-4.1884	-0.9799	1.51	-0.63
1236	Shell-Thick	SLE-FREQ.	-3.7458	-0.9246	1.57	-0.63
1236	Shell-Thick	SLE-QP	-2.5650	-1.0437	1.37	-1.07
1236	Shell-Thick	SLE-QP	-2.9070	-1.1214	1.15	-1.07
1236	Shell-Thick	SLE-QP	-3.0960	-0.8083	1.15	-0.69
1236	Shell-Thick	SLE-QP	-2.7537	-0.7332	1.37	-0.69

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1237	Shell-Thick	SLU-STATICA	-5.8666	-1.7787	2.25	-0.11
1237	Shell-Thick	SLU-STATICA	-6.1820	-1.7838	2.42	-0.11
1237	Shell-Thick	SLU-STATICA	-6.5296	-1.6462	2.42	-0.40
1237	Shell-Thick	SLU-STATICA	-6.2191	-1.6073	2.25	-0.40
1237	Shell-Thick	SLU-SISMICA	-8.8027	-2.3853	3.20	2.40
1237	Shell-Thick	SLU-SISMICA	-9.1579	-2.2045	3.92	2.40
1237	Shell-Thick	SLU-SISMICA	-9.6882	-2.0506	3.92	1.17
1237	Shell-Thick	SLU-SISMICA	-9.3402	-2.1802	3.20	1.17
1237	Shell-Thick	SLE-RARA	-4.2991	-1.3176	1.66	-0.21
1237	Shell-Thick	SLE-RARA	-4.5361	-1.3307	1.76	-0.21
1237	Shell-Thick	SLE-RARA	-4.7904	-1.2272	1.76	-0.38
1237	Shell-Thick	SLE-RARA	-4.5569	-1.1893	1.66	-0.38
1237	Shell-Thick	SLE-FREQ.	-3.9518	-1.2352	1.54	-0.41
1237	Shell-Thick	SLE-FREQ.	-4.1797	-1.2633	1.59	-0.41
1237	Shell-Thick	SLE-FREQ.	-4.4127	-1.1637	1.59	-0.50
1237	Shell-Thick	SLE-FREQ.	-4.1881	-1.1129	1.54	-0.50
1237	Shell-Thick	SLE-QP	-2.9099	-0.9882	1.18	-1.01
1237	Shell-Thick	SLE-QP	-3.1105	-1.0612	1.09	-1.01
1237	Shell-Thick	SLE-QP	-3.2796	-0.9732	1.09	-0.85
1237	Shell-Thick	SLE-QP	-3.0815	-0.8837	1.18	-0.85
1238	Shell-Thick	SLU-STATICA	-6.1526	-1.7256	2.40	0.55
1238	Shell-Thick	SLU-STATICA	-6.7800	-1.6968	2.62	0.55
1238	Shell-Thick	SLU-STATICA	-7.1568	-1.5210	2.62	0.15
1238	Shell-Thick	SLU-STATICA	-6.5288	-1.5532	2.40	0.15
1238	Shell-Thick	SLU-SISMICA	-9.0995	-2.1584	3.86	4.04
1238	Shell-Thick	SLU-SISMICA	-9.9275	-1.8747	4.65	4.04
1238	Shell-Thick	SLU-SISMICA	-10.5670	-1.7452	4.65	2.68
1238	Shell-Thick	SLU-SISMICA	-9.7363	-2.0456	3.86	2.68
1238	Shell-Thick	SLE-RARA	-4.5152	-1.2860	1.74	0.24
1238	Shell-Thick	SLE-RARA	-4.9807	-1.2768	1.89	0.24
1238	Shell-Thick	SLE-RARA	-5.2530	-1.1413	1.89	-8.713E-03
1238	Shell-Thick	SLE-RARA	-4.7873	-1.1524	1.74	-8.713E-03
1238	Shell-Thick	SLE-FREQ.	-4.1617	-1.2187	1.58	-5.166E-02
1238	Shell-Thick	SLE-FREQ.	-4.5992	-1.2307	1.67	-5.166E-02
1238	Shell-Thick	SLE-FREQ.	-4.8433	-1.0947	1.67	-0.22
1238	Shell-Thick	SLE-FREQ.	-4.4056	-1.0835	1.58	-0.22
1238	Shell-Thick	SLE-QP	-3.1012	-1.0169	1.09	-0.93
1238	Shell-Thick	SLE-QP	-3.4548	-1.0924	1.03	-0.93
1238	Shell-Thick	SLE-QP	-3.6139	-0.9550	1.03	-0.84
1238	Shell-Thick	SLE-QP	-3.2607	-0.8769	1.09	-0.84
1239	Shell-Thick	SLU-STATICA	-6.7363	-1.5207	2.61	1.30
1239	Shell-Thick	SLU-STATICA	-7.0886	-1.3998	2.90	1.30
1239	Shell-Thick	SLU-STATICA	-7.4979	-1.4018	2.90	0.81
1239	Shell-Thick	SLU-STATICA	-7.1540	-1.4645	2.61	0.81
1239	Shell-Thick	SLU-SISMICA	-9.8528	-1.7025	4.60	5.73
1239	Shell-Thick	SLU-SISMICA	-10.2229	-1.2214	5.42	5.73
1239	Shell-Thick	SLU-SISMICA	-10.9684	-1.3695	5.42	4.32
1239	Shell-Thick	SLU-SISMICA	-10.6108	-1.7626	4.60	4.32
1239	Shell-Thick	SLE-RARA	-4.9491	-1.1432	1.88	0.77
1239	Shell-Thick	SLE-RARA	-5.2151	-1.0696	2.07	0.77
1239	Shell-Thick	SLE-RARA	-5.5086	-1.0638	2.07	0.44
1239	Shell-Thick	SLE-RARA	-5.2486	-1.0949	1.88	0.44
1239	Shell-Thick	SLE-FREQ.	-4.5709	-1.1001	1.67	0.39
1239	Shell-Thick	SLE-FREQ.	-4.8289	-1.0579	1.81	0.39
1239	Shell-Thick	SLE-FREQ.	-5.0875	-1.0402	1.81	0.14
1239	Shell-Thick	SLE-FREQ.	-4.8352	-1.0434	1.67	0.14
1239	Shell-Thick	SLE-QP	-3.4365	-0.9707	1.04	-0.76
1239	Shell-Thick	SLE-QP	-3.6704	-1.0227	1.04	-0.76
1239	Shell-Thick	SLE-QP	-3.8245	-0.9694	1.04	-0.76
1239	Shell-Thick	SLE-QP	-3.5947	-0.8889	1.04	-0.76
1240	Shell-Thick	SLU-STATICA	-7.0371	-1.1898	2.89	2.11
1240	Shell-Thick	SLU-STATICA	-7.6415	-1.0218	3.24	2.11
1240	Shell-Thick	SLU-STATICA	-8.0998	-1.2104	3.24	1.50
1240	Shell-Thick	SLU-STATICA	-7.4984	-1.3570	2.89	1.50
1240	Shell-Thick	SLU-SISMICA	-10.1424	-0.9779	5.38	7.43
1240	Shell-Thick	SLU-SISMICA	-10.8942	-0.3854	6.25	7.43
1240	Shell-Thick	SLU-SISMICA	-11.7654	-0.8829	6.25	5.93
1240	Shell-Thick	SLU-SISMICA	-11.0166	-1.4520	5.38	5.93
1240	Shell-Thick	SLE-RARA	-5.1776	-0.9121	2.06	1.34

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1240	Shell-Thick	SLE-RARA	-5.6282	-0.8060	2.31	1.34
1240	Shell-Thick	SLE-RARA	-5.9549	-0.9335	2.31	0.92
1240	Shell-Thick	SLE-RARA	-5.5065	-1.0235	2.06	0.92
1240	Shell-Thick	SLE-FREQ.	-4.7947	-0.9071	1.81	0.87
1240	Shell-Thick	SLE-FREQ.	-5.2221	-0.8384	2.00	0.87
1240	Shell-Thick	SLE-FREQ.	-5.5068	-0.9374	2.00	0.53
1240	Shell-Thick	SLE-FREQ.	-5.0816	-0.9905	1.81	0.53
1240	Shell-Thick	SLE-QP	-3.6462	-0.8918	1.04	-0.54
1240	Shell-Thick	SLE-QP	-4.0039	-0.9357	1.09	-0.54
1240	Shell-Thick	SLE-QP	-4.1626	-0.9491	1.09	-0.62
1240	Shell-Thick	SLE-QP	-3.8069	-0.8913	1.04	-0.62
1241	Shell-Thick	SLU-STATICA	-7.5836	-0.8679	3.21	3.01
1241	Shell-Thick	SLU-STATICA	-7.9316	-0.5951	3.61	3.01
1241	Shell-Thick	SLU-STATICA	-8.4371	-0.8894	3.61	2.32
1241	Shell-Thick	SLU-STATICA	-8.1009	-1.0804	3.21	2.32
1241	Shell-Thick	SLU-SISMICA	-10.8094	-0.2761	6.18	9.18
1241	Shell-Thick	SLU-SISMICA	-11.1468	0.5172	7.07	9.18
1241	Shell-Thick	SLU-SISMICA	-12.1316	-0.1306	7.07	7.64
1241	Shell-Thick	SLU-SISMICA	-11.8119	-0.8007	6.18	7.64
1241	Shell-Thick	SLE-RARA	-5.5857	-0.6871	2.28	1.98
1241	Shell-Thick	SLE-RARA	-5.8499	-0.5063	2.56	1.98
1241	Shell-Thick	SLE-RARA	-6.2090	-0.7117	2.56	1.49
1241	Shell-Thick	SLE-RARA	-5.9535	-0.8326	2.28	1.49
1241	Shell-Thick	SLE-FREQ.	-5.1829	-0.7188	1.98	1.42
1241	Shell-Thick	SLE-FREQ.	-5.4414	-0.5852	2.21	1.42
1241	Shell-Thick	SLE-FREQ.	-5.7523	-0.7565	2.21	1.02
1241	Shell-Thick	SLE-FREQ.	-5.5017	-0.8351	1.98	1.02
1241	Shell-Thick	SLE-QP	-3.9744	-0.8139	1.08	-0.25
1241	Shell-Thick	SLE-QP	-4.2160	-0.8220	1.17	-0.25
1241	Shell-Thick	SLE-QP	-4.3822	-0.8909	1.17	-0.40
1241	Shell-Thick	SLE-QP	-4.1464	-0.8425	1.08	-0.40
1242	Shell-Thick	SLU-STATICA	-7.8775	-0.3876	3.59	3.89
1242	Shell-Thick	SLU-STATICA	-8.3719	-0.0915	3.98	3.89
1242	Shell-Thick	SLU-STATICA	-8.9380	-0.6355	3.98	3.13
1242	Shell-Thick	SLU-STATICA	-8.4469	-0.8752	3.59	3.13
1242	Shell-Thick	SLU-SISMICA	-11.0718	0.7390	7.03	10.80
1242	Shell-Thick	SLU-SISMICA	-11.6533	1.5424	7.82	10.80
1242	Shell-Thick	SLU-SISMICA	-12.7652	0.4664	7.82	9.24
1242	Shell-Thick	SLU-SISMICA	-12.1882	-0.2603	7.03	9.24
1242	Shell-Thick	SLE-RARA	-5.8099	-0.3499	2.55	2.60
1242	Shell-Thick	SLE-RARA	-6.1802	-0.1507	2.82	2.60
1242	Shell-Thick	SLE-RARA	-6.5819	-0.5364	2.82	2.07
1242	Shell-Thick	SLE-RARA	-6.2141	-0.6938	2.55	2.07
1242	Shell-Thick	SLE-FREQ.	-5.4041	-0.4338	2.21	1.97
1242	Shell-Thick	SLE-FREQ.	-5.7582	-0.2812	2.44	1.97
1242	Shell-Thick	SLE-FREQ.	-6.1051	-0.6138	2.44	1.52
1242	Shell-Thick	SLE-FREQ.	-5.7534	-0.7272	2.21	1.52
1242	Shell-Thick	SLE-QP	-4.1869	-0.6857	1.17	7.180E-02
1242	Shell-Thick	SLE-QP	-4.4920	-0.6729	1.28	7.180E-02
1242	Shell-Thick	SLE-QP	-4.6747	-0.8458	1.28	-0.14
1242	Shell-Thick	SLE-QP	-4.3714	-0.8275	1.17	-0.14
1243	Shell-Thick	SLU-STATICA	-6.7518	-1.7384	1.43	-0.41
1243	Shell-Thick	SLU-STATICA	-7.3839	-1.7925	1.38	-0.41
1243	Shell-Thick	SLU-STATICA	-7.5982	-1.4258	1.38	-0.32
1243	Shell-Thick	SLU-STATICA	-6.9597	-1.4161	1.43	-0.32
1243	Shell-Thick	SLU-SISMICA	-10.1041	-2.3320	1.61	1.17
1243	Shell-Thick	SLU-SISMICA	-11.0028	-2.3145	2.18	1.17
1243	Shell-Thick	SLU-SISMICA	-11.2929	-1.8031	2.18	0.17
1243	Shell-Thick	SLU-SISMICA	-10.3820	-1.9022	1.61	0.17
1243	Shell-Thick	SLE-RARA	-4.9491	-1.2877	1.08	-0.39
1243	Shell-Thick	SLE-RARA	-5.4147	-1.3322	1.01	-0.39
1243	Shell-Thick	SLE-RARA	-5.5733	-1.0616	1.01	-0.27
1243	Shell-Thick	SLE-RARA	-5.1031	-1.0488	1.08	-0.27
1243	Shell-Thick	SLE-FREQ.	-4.5516	-1.2071	1.04	-0.51
1243	Shell-Thick	SLE-FREQ.	-4.9838	-1.2565	0.92	-0.51
1243	Shell-Thick	SLE-FREQ.	-5.1323	-1.0044	0.92	-0.30
1243	Shell-Thick	SLE-FREQ.	-4.6960	-0.9830	1.04	-0.30
1243	Shell-Thick	SLE-QP	-3.3590	-0.9655	0.91	-0.87
1243	Shell-Thick	SLE-QP	-3.6910	-1.0292	0.64	-0.87

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1243	Shell-Thick	SLE-QP	-3.8091	-0.8329	0.64	-0.40
1243	Shell-Thick	SLE-QP	-3.4748	-0.7856	0.91	-0.40
1244	Shell-Thick	SLU-STATICA	-7.3828	-1.6837	1.40	0.18
1244	Shell-Thick	SLU-STATICA	-7.6490	-1.6597	1.50	0.18
1244	Shell-Thick	SLU-STATICA	-7.8647	-1.5607	1.50	1.553E-02
1244	Shell-Thick	SLU-STATICA	-7.6030	-1.5538	1.40	1.553E-02
1244	Shell-Thick	SLU-SISMICA	-10.9737	-2.1962	2.17	2.74
1244	Shell-Thick	SLU-SISMICA	-11.2657	-1.9818	2.80	2.74
1244	Shell-Thick	SLU-SISMICA	-11.6356	-1.8940	2.80	1.66
1244	Shell-Thick	SLU-SISMICA	-11.3501	-2.0623	2.17	1.66
1244	Shell-Thick	SLE-RARA	-5.4153	-1.2503	1.03	9.516E-03
1244	Shell-Thick	SLE-RARA	-5.6157	-1.2416	1.07	9.516E-03
1244	Shell-Thick	SLE-RARA	-5.7715	-1.1660	1.07	-7.007E-02
1244	Shell-Thick	SLE-RARA	-5.5744	-1.1520	1.03	-7.007E-02
1244	Shell-Thick	SLE-FREQ.	-4.9867	-1.1773	0.94	-0.20
1244	Shell-Thick	SLE-FREQ.	-5.1801	-1.1845	0.94	-0.20
1244	Shell-Thick	SLE-FREQ.	-5.3193	-1.1098	0.94	-0.20
1244	Shell-Thick	SLE-FREQ.	-5.1290	-1.0818	0.94	-0.20
1244	Shell-Thick	SLE-QP	-3.7008	-0.9585	0.67	-0.83
1244	Shell-Thick	SLE-QP	-3.8730	-1.0133	0.54	-0.83
1244	Shell-Thick	SLE-QP	-3.9627	-0.9414	0.54	-0.60
1244	Shell-Thick	SLE-QP	-3.7929	-0.8713	0.67	-0.60
1245	Shell-Thick	SLU-STATICA	-7.6338	-1.5772	1.50	0.79
1245	Shell-Thick	SLU-STATICA	-8.2186	-1.5291	1.65	0.79
1245	Shell-Thick	SLU-STATICA	-8.4563	-1.5168	1.65	0.55
1245	Shell-Thick	SLU-STATICA	-7.8684	-1.5853	1.50	0.55
1245	Shell-Thick	SLU-SISMICA	-11.2249	-1.8822	2.78	4.32
1245	Shell-Thick	SLU-SISMICA	-12.0012	-1.5793	3.46	4.32
1245	Shell-Thick	SLU-SISMICA	-12.4720	-1.7105	3.46	3.14
1245	Shell-Thick	SLU-SISMICA	-11.6890	-2.0566	2.78	3.14
1245	Shell-Thick	SLE-RARA	-5.6055	-1.1799	1.07	0.43
1245	Shell-Thick	SLE-RARA	-6.0391	-1.1562	1.16	0.43
1245	Shell-Thick	SLE-RARA	-6.2076	-1.1396	1.16	0.28
1245	Shell-Thick	SLE-RARA	-5.7718	-1.1777	1.07	0.28
1245	Shell-Thick	SLE-FREQ.	-5.1721	-1.1258	0.94	0.13
1245	Shell-Thick	SLE-FREQ.	-5.5793	-1.1236	0.98	0.13
1245	Shell-Thick	SLE-FREQ.	-5.7245	-1.0956	0.98	6.333E-02
1245	Shell-Thick	SLE-FREQ.	-5.3155	-1.1100	0.94	6.333E-02
1245	Shell-Thick	SLE-QP	-3.8721	-0.9633	0.55	-0.77
1245	Shell-Thick	SLE-QP	-4.2001	-1.0257	0.45	-0.77
1245	Shell-Thick	SLE-QP	-4.2753	-0.9636	0.45	-0.60
1245	Shell-Thick	SLE-QP	-3.9466	-0.9067	0.55	-0.60
1246	Shell-Thick	SLU-STATICA	-8.1944	-1.4635	1.63	1.52
1246	Shell-Thick	SLU-STATICA	-8.4770	-1.3185	1.83	1.52
1246	Shell-Thick	SLU-STATICA	-8.7331	-1.3819	1.83	1.18
1246	Shell-Thick	SLU-STATICA	-8.4584	-1.4720	1.63	1.18
1246	Shell-Thick	SLU-SISMICA	-11.9519	-1.5614	3.40	5.98
1246	Shell-Thick	SLU-SISMICA	-12.2322	-1.0538	4.11	5.98
1246	Shell-Thick	SLU-SISMICA	-12.7896	-1.3006	4.11	4.76
1246	Shell-Thick	SLU-SISMICA	-12.5210	-1.7267	3.40	4.76
1246	Shell-Thick	SLE-RARA	-6.0220	-1.1041	1.15	0.93
1246	Shell-Thick	SLE-RARA	-6.2362	-1.0123	1.28	0.93
1246	Shell-Thick	SLE-RARA	-6.4152	-1.0511	1.28	0.71
1246	Shell-Thick	SLE-RARA	-6.2069	-1.1027	1.15	0.71
1246	Shell-Thick	SLE-FREQ.	-5.5647	-1.0688	0.98	0.54
1246	Shell-Thick	SLE-FREQ.	-5.7739	-1.0091	1.06	0.54
1246	Shell-Thick	SLE-FREQ.	-5.9237	-1.0319	1.06	0.40
1246	Shell-Thick	SLE-FREQ.	-5.7200	-1.0545	0.98	0.40
1246	Shell-Thick	SLE-QP	-4.1929	-0.9630	0.45	-0.62
1246	Shell-Thick	SLE-QP	-4.3868	-0.9994	0.40	-0.62
1246	Shell-Thick	SLE-QP	-4.4490	-0.9742	0.40	-0.53
1246	Shell-Thick	SLE-QP	-4.2593	-0.9102	0.45	-0.53
1247	Shell-Thick	SLU-STATICA	-8.4494	-1.1663	1.84	2.31
1247	Shell-Thick	SLU-STATICA	-8.9686	-0.9795	2.09	2.31
1247	Shell-Thick	SLU-STATICA	-9.2625	-1.2774	2.09	1.87
1247	Shell-Thick	SLU-STATICA	-8.7446	-1.4541	1.84	1.87
1247	Shell-Thick	SLU-SISMICA	-12.1833	-0.8774	4.09	7.64
1247	Shell-Thick	SLU-SISMICA	-12.8210	-0.2661	4.83	7.64
1247	Shell-Thick	SLU-SISMICA	-13.4898	-0.9407	4.83	6.36

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1247	Shell-Thick	SLU-SISMICA	-12.8525	-1.5470	4.09	6.36
1247	Shell-Thick	SLE-RARA	-6.2164	-0.8981	1.28	1.48
1247	Shell-Thick	SLE-RARA	-6.6039	-0.7778	1.45	1.48
1247	Shell-Thick	SLE-RARA	-6.8079	-0.9847	1.45	1.19
1247	Shell-Thick	SLE-RARA	-6.4214	-1.0972	1.28	1.19
1247	Shell-Thick	SLE-FREQ.	-5.7563	-0.8997	1.06	1.01
1247	Shell-Thick	SLE-FREQ.	-6.1245	-0.8172	1.19	1.01
1247	Shell-Thick	SLE-FREQ.	-6.2926	-0.9881	1.19	0.79
1247	Shell-Thick	SLE-FREQ.	-5.9255	-1.0625	1.06	0.79
1247	Shell-Thick	SLE-QP	-4.3759	-0.9045	0.41	-0.41
1247	Shell-Thick	SLE-QP	-4.6863	-0.9356	0.40	-0.41
1247	Shell-Thick	SLE-QP	-4.7469	-0.9983	0.40	-0.40
1247	Shell-Thick	SLE-QP	-4.4378	-0.9584	0.41	-0.40
1248	Shell-Thick	SLU-STATICA	-8.9411	-0.9595	2.06	3.14
1248	Shell-Thick	SLU-STATICA	-9.1493	-0.6923	2.32	3.14
1248	Shell-Thick	SLU-STATICA	-9.4749	-1.0357	2.32	2.64
1248	Shell-Thick	SLU-STATICA	-9.2724	-1.2093	2.06	2.64
1248	Shell-Thick	SLU-SISMICA	-12.7771	-0.3373	4.76	9.27
1248	Shell-Thick	SLU-SISMICA	-12.9443	0.3898	5.41	9.27
1248	Shell-Thick	SLU-SISMICA	-13.7032	-0.3344	5.41	7.97
1248	Shell-Thick	SLU-SISMICA	-13.5444	-0.9230	4.76	7.97
1248	Shell-Thick	SLE-RARA	-6.5839	-0.7580	1.43	2.07
1248	Shell-Thick	SLE-RARA	-6.7437	-0.5785	1.60	2.07
1248	Shell-Thick	SLE-RARA	-6.9688	-0.8197	1.60	1.73
1248	Shell-Thick	SLE-RARA	-6.8132	-0.9306	1.43	1.73
1248	Shell-Thick	SLE-FREQ.	-6.1063	-0.7905	1.17	1.52
1248	Shell-Thick	SLE-FREQ.	-6.2655	-0.6532	1.31	1.52
1248	Shell-Thick	SLE-FREQ.	-6.4495	-0.8571	1.31	1.25
1248	Shell-Thick	SLE-FREQ.	-6.2941	-0.9312	1.17	1.25
1248	Shell-Thick	SLE-QP	-4.6735	-0.8878	0.40	-0.14
1248	Shell-Thick	SLE-QP	-4.8311	-0.8772	0.43	-0.14
1248	Shell-Thick	SLE-QP	-4.8916	-0.9694	0.43	-0.19
1248	Shell-Thick	SLE-QP	-4.7369	-0.9329	0.40	-0.19
1249	Shell-Thick	SLU-STATICA	-8.1326	-1.6821	0.55	1.139E-03
1249	Shell-Thick	SLU-STATICA	-8.7033	-1.7060	0.43	1.139E-03
1249	Shell-Thick	SLU-STATICA	-8.7821	-1.5047	0.43	0.21
1249	Shell-Thick	SLU-STATICA	-8.2017	-1.5472	0.55	0.21
1249	Shell-Thick	SLU-SISMICA	-12.0879	-2.2046	0.54	1.66
1249	Shell-Thick	SLU-SISMICA	-12.9090	-2.1539	1.03	1.66
1249	Shell-Thick	SLU-SISMICA	-13.0350	-1.9101	1.03	0.83
1249	Shell-Thick	SLU-SISMICA	-12.1968	-2.0758	0.54	0.83
1249	Shell-Thick	SLE-RARA	-5.9653	-1.2486	0.42	-8.193E-02
1249	Shell-Thick	SLE-RARA	-6.3853	-1.2704	0.30	-8.193E-02
1249	Shell-Thick	SLE-RARA	-6.4426	-1.1199	0.30	0.13
1249	Shell-Thick	SLE-RARA	-6.0157	-1.1460	0.42	0.13
1249	Shell-Thick	SLE-FREQ.	-5.4931	-1.1748	0.41	-0.22
1249	Shell-Thick	SLE-FREQ.	-5.8822	-1.2022	0.24	-0.22
1249	Shell-Thick	SLE-FREQ.	-5.9343	-1.0590	0.24	7.754E-02
1249	Shell-Thick	SLE-FREQ.	-5.5391	-1.0743	0.41	7.754E-02
1249	Shell-Thick	SLE-QP	-4.0767	-0.9537	0.38	-0.62
1249	Shell-Thick	SLE-QP	-4.3730	-0.9978	7.322E-02	-0.62
1249	Shell-Thick	SLE-QP	-4.4092	-0.8762	7.322E-02	-8.305E-02
1249	Shell-Thick	SLE-QP	-4.1091	-0.8592	0.38	-8.305E-02
1250	Shell-Thick	SLU-STATICA	-8.7162	-1.7111	0.45	0.57
1250	Shell-Thick	SLU-STATICA	-8.9036	-1.6499	0.48	0.57
1250	Shell-Thick	SLU-STATICA	-8.9711	-1.5583	0.48	0.52
1250	Shell-Thick	SLU-STATICA	-8.7877	-1.5919	0.45	0.52
1250	Shell-Thick	SLU-SISMICA	-12.8968	-2.1949	1.00	3.21
1250	Shell-Thick	SLU-SISMICA	-13.0852	-1.9364	1.55	3.21
1250	Shell-Thick	SLU-SISMICA	-13.2737	-1.8705	1.55	2.27
1250	Shell-Thick	SLU-SISMICA	-13.0911	-2.0887	1.00	2.27
1250	Shell-Thick	SLE-RARA	-6.3963	-1.2725	0.31	0.30
1250	Shell-Thick	SLE-RARA	-6.5383	-1.2359	0.31	0.30
1250	Shell-Thick	SLE-RARA	-6.5834	-1.1652	0.31	0.30
1250	Shell-Thick	SLE-RARA	-6.4443	-1.1815	0.31	0.30
1250	Shell-Thick	SLE-FREQ.	-5.8950	-1.2013	0.26	7.964E-02
1250	Shell-Thick	SLE-FREQ.	-6.0334	-1.1819	0.21	7.964E-02
1250	Shell-Thick	SLE-FREQ.	-6.0674	-1.1108	0.21	0.15
1250	Shell-Thick	SLE-FREQ.	-5.9318	-1.1116	0.26	0.15



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1250	Shell-Thick	SLE-QP	-4.3912	-0.9879	9.670E-02	-0.59
1250	Shell-Thick	SLE-QP	-4.5189	-1.0199	-7.153E-02	-0.59
1250	Shell-Thick	SLE-QP	-4.5197	-0.9477	-7.153E-02	-0.30
1250	Shell-Thick	SLE-QP	-4.3942	-0.9017	9.670E-02	-0.30
1251	Shell-Thick	SLU-STATICA	-8.9050	-1.5776	0.50	1.17
1251	Shell-Thick	SLU-STATICA	-9.4019	-1.4993	0.57	1.17
1251	Shell-Thick	SLU-STATICA	-9.4849	-1.5826	0.57	1.04
1251	Shell-Thick	SLU-STATICA	-8.9828	-1.6959	0.50	1.04
1251	Shell-Thick	SLU-SISMICA	-13.0651	-1.8301	1.55	4.76
1251	Shell-Thick	SLU-SISMICA	-13.7242	-1.4930	2.14	4.76
1251	Shell-Thick	SLU-SISMICA	-14.0059	-1.7895	2.14	3.74
1251	Shell-Thick	SLU-SISMICA	-13.3369	-2.1922	1.55	3.74
1251	Shell-Thick	SLE-RARA	-6.5404	-1.1828	0.33	0.70
1251	Shell-Thick	SLE-RARA	-6.9088	-1.1364	0.36	0.70
1251	Shell-Thick	SLE-RARA	-6.9618	-1.1889	0.36	0.65
1251	Shell-Thick	SLE-RARA	-6.5897	-1.2603	0.33	0.65
1251	Shell-Thick	SLE-FREQ.	-6.0372	-1.1329	0.23	0.39
1251	Shell-Thick	SLE-FREQ.	-6.3833	-1.1089	0.22	0.39
1251	Shell-Thick	SLE-FREQ.	-6.4186	-1.1426	0.22	0.41
1251	Shell-Thick	SLE-FREQ.	-6.0694	-1.1885	0.23	0.41
1251	Shell-Thick	SLE-QP	-4.5278	-0.9832	-5.272E-02	-0.55
1251	Shell-Thick	SLE-QP	-4.8066	-1.0264	-0.19	-0.55
1251	Shell-Thick	SLE-QP	-4.7891	-1.0036	-0.19	-0.30
1251	Shell-Thick	SLE-QP	-4.5085	-0.9729	-5.272E-02	-0.30
1252	Shell-Thick	SLU-STATICA	-9.3985	-1.5530	0.56	1.89
1252	Shell-Thick	SLU-STATICA	-9.5817	-1.3731	0.68	1.89
1252	Shell-Thick	SLU-STATICA	-9.6712	-1.4337	0.68	1.67
1252	Shell-Thick	SLU-STATICA	-9.4953	-1.5635	0.56	1.67
1252	Shell-Thick	SLU-SISMICA	-13.7015	-1.6393	2.08	6.41
1252	Shell-Thick	SLU-SISMICA	-13.8528	-1.0909	2.69	6.41
1252	Shell-Thick	SLU-SISMICA	-14.2051	-1.3446	2.69	5.36
1252	Shell-Thick	SLU-SISMICA	-14.0641	-1.8205	2.08	5.36
1252	Shell-Thick	SLE-RARA	-6.9072	-1.1725	0.35	1.21
1252	Shell-Thick	SLE-RARA	-7.0476	-1.0545	0.42	1.21
1252	Shell-Thick	SLE-RARA	-7.1023	-1.0908	0.42	1.08
1252	Shell-Thick	SLE-RARA	-6.9673	-1.1719	0.35	1.08
1252	Shell-Thick	SLE-FREQ.	-6.3833	-1.1365	0.21	0.81
1252	Shell-Thick	SLE-FREQ.	-6.5228	-1.0517	0.24	0.81
1252	Shell-Thick	SLE-FREQ.	-6.5546	-1.0712	0.24	0.75
1252	Shell-Thick	SLE-FREQ.	-6.4200	-1.1219	0.21	0.75
1252	Shell-Thick	SLE-QP	-4.8115	-1.0285	-0.19	-0.40
1252	Shell-Thick	SLE-QP	-4.9485	-1.0433	-0.28	-0.40
1252	Shell-Thick	SLE-QP	-4.9115	-1.0125	-0.28	-0.24
1252	Shell-Thick	SLE-QP	-4.7783	-0.9719	-0.19	-0.24
1253	Shell-Thick	SLU-STATICA	-9.5800	-1.2920	0.70	2.62
1253	Shell-Thick	SLU-STATICA	-9.9345	-1.1064	0.85	2.62
1253	Shell-Thick	SLU-STATICA	-10.0509	-1.4368	0.85	2.33
1253	Shell-Thick	SLU-STATICA	-9.6958	-1.6295	0.70	2.33
1253	Shell-Thick	SLU-SISMICA	-13.8384	-0.9916	2.69	7.97
1253	Shell-Thick	SLU-SISMICA	-14.2627	-0.4365	3.23	7.97
1253	Shell-Thick	SLU-SISMICA	-14.7080	-1.1772	3.23	6.90
1253	Shell-Thick	SLU-SISMICA	-14.2820	-1.7566	2.69	6.90
1253	Shell-Thick	SLE-RARA	-7.0469	-0.9939	0.43	1.72
1253	Shell-Thick	SLE-RARA	-7.3121	-0.8717	0.52	1.72
1253	Shell-Thick	SLE-RARA	-7.3839	-1.1016	0.52	1.54
1253	Shell-Thick	SLE-RARA	-7.1184	-1.2284	0.43	1.54
1253	Shell-Thick	SLE-FREQ.	-6.5232	-0.9941	0.26	1.24
1253	Shell-Thick	SLE-FREQ.	-6.7761	-0.9053	0.31	1.24
1253	Shell-Thick	SLE-FREQ.	-6.8191	-1.0958	0.31	1.13
1253	Shell-Thick	SLE-FREQ.	-6.5660	-1.1876	0.26	1.13
1253	Shell-Thick	SLE-QP	-4.9521	-0.9947	-0.27	-0.21
1253	Shell-Thick	SLE-QP	-5.1682	-1.0060	-0.31	-0.21
1253	Shell-Thick	SLE-QP	-5.1247	-1.0783	-0.31	-0.11
1253	Shell-Thick	SLE-QP	-4.9088	-1.0654	-0.27	-0.11
1254	Shell-Thick	SLU-STATICA	-9.3109	-1.7171	-0.43	0.50
1254	Shell-Thick	SLU-STATICA	-9.7935	-1.7023	-0.60	0.50
1254	Shell-Thick	SLU-STATICA	-9.7227	-1.5824	-0.60	0.80
1254	Shell-Thick	SLU-STATICA	-9.2281	-1.6805	-0.43	0.80
1254	Shell-Thick	SLU-SISMICA	-13.7958	-2.2205	-0.65	2.28



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1254	Shell-Thick	SLU-SISMICA	-14.5001	-2.1250	-0.23	2.28
1254	Shell-Thick	SLU-SISMICA	-14.4445	-2.0323	-0.23	1.54
1254	Shell-Thick	SLU-SISMICA	-13.7194	-2.2683	-0.65	1.54
1254	Shell-Thick	SLE-RARA	-6.8318	-1.2760	-0.31	0.29
1254	Shell-Thick	SLE-RARA	-7.1864	-1.2688	-0.47	0.29
1254	Shell-Thick	SLE-RARA	-7.1320	-1.1766	-0.47	0.57
1254	Shell-Thick	SLE-RARA	-6.7687	-1.2441	-0.31	0.57
1254	Shell-Thick	SLE-FREQ.	-6.2948	-1.2032	-0.29	0.14
1254	Shell-Thick	SLE-FREQ.	-6.6224	-1.2028	-0.49	0.14
1254	Shell-Thick	SLE-FREQ.	-6.5681	-1.1106	-0.49	0.49
1254	Shell-Thick	SLE-FREQ.	-6.2327	-1.1651	-0.29	0.49
1254	Shell-Thick	SLE-QP	-4.6837	-0.9847	-0.21	-0.32
1254	Shell-Thick	SLE-QP	-4.9304	-1.0047	-0.55	-0.32
1254	Shell-Thick	SLE-QP	-4.8765	-0.9127	-0.55	0.27
1254	Shell-Thick	SLE-QP	-4.6247	-0.9282	-0.21	0.27
1255	Shell-Thick	SLU-STATICA	-9.8216	-1.8183	-0.59	1.07
1255	Shell-Thick	SLU-STATICA	-9.9075	-1.7125	-0.60	1.07
1255	Shell-Thick	SLU-STATICA	-9.8162	-1.5804	-0.60	1.09
1255	Shell-Thick	SLU-STATICA	-9.7338	-1.6621	-0.59	1.09
1255	Shell-Thick	SLU-SISMICA	-14.5062	-2.3195	-0.26	3.82
1255	Shell-Thick	SLU-SISMICA	-14.5608	-2.0070	0.22	3.82
1255	Shell-Thick	SLU-SISMICA	-14.5554	-1.8954	0.22	2.98
1255	Shell-Thick	SLU-SISMICA	-14.5056	-2.1736	-0.26	2.98
1255	Shell-Thick	SLE-RARA	-7.2088	-1.3528	-0.46	0.67
1255	Shell-Thick	SLE-RARA	-7.2754	-1.2829	-0.50	0.67
1255	Shell-Thick	SLE-RARA	-7.2019	-1.1818	-0.50	0.73
1255	Shell-Thick	SLE-RARA	-7.1379	-1.2340	-0.46	0.73
1255	Shell-Thick	SLE-FREQ.	-6.6460	-1.2783	-0.48	0.43
1255	Shell-Thick	SLE-FREQ.	-6.7136	-1.2271	-0.55	0.43
1255	Shell-Thick	SLE-FREQ.	-6.6349	-1.1268	-0.55	0.56
1255	Shell-Thick	SLE-FREQ.	-6.5698	-1.1615	-0.48	0.56
1255	Shell-Thick	SLE-QP	-4.9579	-1.0547	-0.53	-0.30
1255	Shell-Thick	SLE-QP	-5.0282	-1.0596	-0.72	-0.30
1255	Shell-Thick	SLE-QP	-4.9338	-0.9617	-0.72	3.940E-02
1255	Shell-Thick	SLE-QP	-4.8653	-0.9441	-0.53	3.940E-02
1256	Shell-Thick	SLU-STATICA	-9.9265	-1.6646	-0.57	1.66
1256	Shell-Thick	SLU-STATICA	-10.3057	-1.5457	-0.54	1.66
1256	Shell-Thick	SLU-STATICA	-10.2257	-1.6747	-0.54	1.61
1256	Shell-Thick	SLU-STATICA	-9.8396	-1.8403	-0.57	1.61
1256	Shell-Thick	SLU-SISMICA	-14.5625	-1.9108	0.25	5.37
1256	Shell-Thick	SLU-SISMICA	-15.0610	-1.5251	0.77	5.37
1256	Shell-Thick	SLU-SISMICA	-15.1438	-1.9180	0.77	4.46
1256	Shell-Thick	SLU-SISMICA	-14.6329	-2.3874	0.25	4.46
1256	Shell-Thick	SLE-RARA	-7.2907	-1.2491	-0.47	1.07
1256	Shell-Thick	SLE-RARA	-7.5720	-1.1723	-0.48	1.07
1256	Shell-Thick	SLE-RARA	-7.5033	-1.2568	-0.48	1.08
1256	Shell-Thick	SLE-RARA	-7.2170	-1.3672	-0.47	1.08
1256	Shell-Thick	SLE-FREQ.	-6.7299	-1.1980	-0.53	0.74
1256	Shell-Thick	SLE-FREQ.	-6.9946	-1.1451	-0.57	0.74
1256	Shell-Thick	SLE-FREQ.	-6.9141	-1.2058	-0.57	0.82
1256	Shell-Thick	SLE-FREQ.	-6.6451	-1.2886	-0.53	0.82
1256	Shell-Thick	SLE-QP	-5.0476	-1.0449	-0.69	-0.25
1256	Shell-Thick	SLE-QP	-5.2621	-1.0635	-0.86	-0.25
1256	Shell-Thick	SLE-QP	-5.1466	-1.0529	-0.86	3.618E-02
1256	Shell-Thick	SLE-QP	-4.9296	-1.0526	-0.69	3.618E-02
1257	Shell-Thick	SLU-STATICA	-10.3203	-1.7292	-0.57	2.35
1257	Shell-Thick	SLU-STATICA	-10.3773	-1.5273	-0.50	2.35
1257	Shell-Thick	SLU-STATICA	-10.2954	-1.4990	-0.50	2.22
1257	Shell-Thick	SLU-STATICA	-10.2419	-1.6455	-0.57	2.22
1257	Shell-Thick	SLU-SISMICA	-15.0615	-1.8467	0.70	6.94
1257	Shell-Thick	SLU-SISMICA	-15.0609	-1.3135	1.17	6.94
1257	Shell-Thick	SLU-SISMICA	-15.1987	-1.4459	1.17	6.01
1257	Shell-Thick	SLU-SISMICA	-15.2041	-1.9008	0.70	6.01
1257	Shell-Thick	SLE-RARA	-7.5838	-1.3044	-0.49	1.55
1257	Shell-Thick	SLE-RARA	-7.6299	-1.1679	-0.46	1.55
1257	Shell-Thick	SLE-RARA	-7.5569	-1.1385	-0.46	1.49
1257	Shell-Thick	SLE-RARA	-7.5134	-1.2342	-0.49	1.49
1257	Shell-Thick	SLE-FREQ.	-7.0072	-1.2626	-0.59	1.14
1257	Shell-Thick	SLE-FREQ.	-7.0568	-1.1567	-0.59	1.14

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1257	Shell-Thick	SLE-FREQ.	-6.9676	-1.1148	-0.59	1.14
1257	Shell-Thick	SLE-FREQ.	-6.9204	-1.1827	-0.59	1.14
1257	Shell-Thick	SLE-QP	-5.2773	-1.1371	-0.86	-0.11
1257	Shell-Thick	SLE-QP	-5.3378	-1.1230	-0.97	-0.11
1257	Shell-Thick	SLE-QP	-5.1998	-1.0436	-0.97	9.677E-02
1257	Shell-Thick	SLE-QP	-5.1412	-1.0285	-0.86	9.677E-02
1258	Shell-Thick	SLU-STATICA	-10.2587	-1.7871	-1.47	1.08
1258	Shell-Thick	SLU-STATICA	-10.6534	-1.7278	-1.66	1.08
1258	Shell-Thick	SLU-STATICA	-10.4255	-1.6207	-1.66	1.40
1258	Shell-Thick	SLU-STATICA	-10.0167	-1.7769	-1.47	1.40
1258	Shell-Thick	SLU-SISMICA	-15.1862	-2.2985	-1.92	2.99
1258	Shell-Thick	SLU-SISMICA	-15.7736	-2.1503	-1.50	2.99
1258	Shell-Thick	SLU-SISMICA	-15.5288	-2.1178	-1.50	2.27
1258	Shell-Thick	SLU-SISMICA	-14.9177	-2.4264	-1.92	2.27
1258	Shell-Thick	SLE-RARA	-7.5279	-1.3287	-1.09	0.72
1258	Shell-Thick	SLE-RARA	-7.8173	-1.2882	-1.26	0.72
1258	Shell-Thick	SLE-RARA	-7.6456	-1.2033	-1.26	1.02
1258	Shell-Thick	SLE-RARA	-7.3459	-1.3140	-1.09	1.02
1258	Shell-Thick	SLE-FREQ.	-6.9373	-1.2539	-1.03	0.55
1258	Shell-Thick	SLE-FREQ.	-7.2038	-1.2217	-1.25	0.55
1258	Shell-Thick	SLE-FREQ.	-7.0377	-1.1328	-1.25	0.92
1258	Shell-Thick	SLE-FREQ.	-6.7620	-1.2283	-1.03	0.92
1258	Shell-Thick	SLE-QP	-5.1656	-1.0295	-0.84	2.292E-02
1258	Shell-Thick	SLE-QP	-5.3632	-1.0222	-1.19	2.292E-02
1258	Shell-Thick	SLE-QP	-5.2140	-0.9212	-1.19	0.63
1258	Shell-Thick	SLE-QP	-5.0103	-0.9709	-0.84	0.63
1259	Shell-Thick	SLU-STATICA	-10.6959	-1.9655	-1.66	1.64
1259	Shell-Thick	SLU-STATICA	-10.6699	-1.8096	-1.70	1.64
1259	Shell-Thick	SLU-STATICA	-10.4158	-1.5558	-1.70	1.71
1259	Shell-Thick	SLU-STATICA	-10.4448	-1.6917	-1.66	1.71
1259	Shell-Thick	SLU-SISMICA	-15.7959	-2.5123	-1.56	4.53
1259	Shell-Thick	SLU-SISMICA	-15.7063	-2.1383	-1.11	4.53
1259	Shell-Thick	SLU-SISMICA	-15.5044	-1.8658	-1.11	3.75
1259	Shell-Thick	SLU-SISMICA	-15.5979	-2.2126	-1.56	3.75
1259	Shell-Thick	SLE-RARA	-7.8506	-1.4621	-1.27	1.10
1259	Shell-Thick	SLE-RARA	-7.8340	-1.3548	-1.32	1.10
1259	Shell-Thick	SLE-RARA	-7.6389	-1.1635	-1.32	1.19
1259	Shell-Thick	SLE-RARA	-7.6576	-1.2559	-1.27	1.19
1259	Shell-Thick	SLE-FREQ.	-7.2379	-1.3811	-1.24	0.84
1259	Shell-Thick	SLE-FREQ.	-7.2270	-1.2944	-1.34	0.84
1259	Shell-Thick	SLE-FREQ.	-7.0324	-1.1093	-1.34	1.00
1259	Shell-Thick	SLE-FREQ.	-7.0453	-1.1821	-1.24	1.00
1259	Shell-Thick	SLE-QP	-5.3998	-1.1381	-1.18	4.194E-02
1259	Shell-Thick	SLE-QP	-5.4058	-1.1131	-1.39	4.194E-02
1259	Shell-Thick	SLE-QP	-5.2128	-0.9468	-1.39	0.41
1259	Shell-Thick	SLE-QP	-5.2085	-0.9608	-1.18	0.41
1260	Shell-Thick	SLU-STATICA	-10.7042	-1.7480	-1.65	2.21
1260	Shell-Thick	SLU-STATICA	-10.9217	-1.6143	-1.65	2.21
1260	Shell-Thick	SLU-STATICA	-10.6766	-1.7791	-1.65	2.21
1260	Shell-Thick	SLU-STATICA	-10.4546	-1.9829	-1.65	2.21
1260	Shell-Thick	SLU-SISMICA	-15.7275	-1.9900	-1.05	6.02
1260	Shell-Thick	SLU-SISMICA	-16.0074	-1.6232	-0.62	6.02
1260	Shell-Thick	SLU-SISMICA	-15.8863	-2.1027	-0.62	5.18
1260	Shell-Thick	SLU-SISMICA	-15.5986	-2.5904	-1.05	5.18
1260	Shell-Thick	SLE-RARA	-7.8607	-1.3124	-1.28	1.49
1260	Shell-Thick	SLE-RARA	-8.0224	-1.2228	-1.30	1.49
1260	Shell-Thick	SLE-RARA	-7.8305	-1.3320	-1.30	1.53
1260	Shell-Thick	SLE-RARA	-7.6656	-1.4722	-1.28	1.53
1260	Shell-Thick	SLE-FREQ.	-7.2540	-1.2602	-1.30	1.14
1260	Shell-Thick	SLE-FREQ.	-7.4067	-1.1919	-1.35	1.14
1260	Shell-Thick	SLE-FREQ.	-7.2093	-1.2726	-1.35	1.25
1260	Shell-Thick	SLE-FREQ.	-7.0538	-1.3860	-1.30	1.25
1260	Shell-Thick	SLE-QP	-5.4341	-1.1035	-1.35	8.716E-02
1260	Shell-Thick	SLE-QP	-5.5594	-1.0992	-1.51	8.716E-02
1260	Shell-Thick	SLE-QP	-5.3456	-1.0943	-1.51	0.40
1260	Shell-Thick	SLE-QP	-5.2186	-1.1274	-1.35	0.40
1261	Shell-Thick	SLU-STATICA	-10.9947	-1.8248	-2.54	1.70
1261	Shell-Thick	SLU-STATICA	-11.3411	-1.7178	-2.71	1.70
1261	Shell-Thick	SLU-STATICA	-10.9549	-1.5968	-2.71	2.00

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1261	Shell-Thick	SLU-STATICA	-10.5928	-1.8115	-2.54	2.00
1261	Shell-Thick	SLU-SISMICA	-16.2849	-2.3413	-3.18	3.76
1261	Shell-Thick	SLU-SISMICA	-16.8128	-2.1363	-2.72	3.76
1261	Shell-Thick	SLU-SISMICA	-16.3829	-2.1391	-2.72	2.97
1261	Shell-Thick	SLU-SISMICA	-15.8292	-2.5192	-3.18	2.97
1261	Shell-Thick	SLE-RARA	-8.0675	-1.3570	-1.89	1.18
1261	Shell-Thick	SLE-RARA	-8.3210	-1.2808	-2.06	1.18
1261	Shell-Thick	SLE-RARA	-8.0305	-1.1829	-2.06	1.47
1261	Shell-Thick	SLE-RARA	-7.7657	-1.3374	-1.89	1.47
1261	Shell-Thick	SLE-FREQ.	-7.4339	-1.2811	-1.79	0.98
1261	Shell-Thick	SLE-FREQ.	-7.6661	-1.2148	-2.00	0.98
1261	Shell-Thick	SLE-FREQ.	-7.3864	-1.1092	-2.00	1.35
1261	Shell-Thick	SLE-FREQ.	-7.1439	-1.2462	-1.79	1.35
1261	Shell-Thick	SLE-QP	-5.5329	-1.0533	-1.49	0.39
1261	Shell-Thick	SLE-QP	-5.7016	-1.0169	-1.85	0.39
1261	Shell-Thick	SLE-QP	-5.4542	-0.8880	-1.85	1.01
1261	Shell-Thick	SLE-QP	-5.2785	-0.9728	-1.49	1.01
1262	Shell-Thick	SLU-STATICA	-11.3917	-2.1288	-2.75	2.24
1262	Shell-Thick	SLU-STATICA	-11.2995	-1.9452	-2.78	2.24
1262	Shell-Thick	SLU-STATICA	-10.8842	-1.3911	-2.78	2.29
1262	Shell-Thick	SLU-STATICA	-10.9778	-1.5528	-2.75	2.29
1262	Shell-Thick	SLU-SISMICA	-16.8427	-2.7429	-2.83	5.23
1262	Shell-Thick	SLU-SISMICA	-16.6887	-2.3595	-2.42	5.23
1262	Shell-Thick	SLU-SISMICA	-16.2944	-1.6628	-2.42	4.43
1262	Shell-Thick	SLU-SISMICA	-16.4500	-2.0173	-2.83	4.43
1262	Shell-Thick	SLE-RARA	-8.3603	-1.5825	-2.08	1.54
1262	Shell-Thick	SLE-RARA	-8.2935	-1.4533	-2.12	1.54
1262	Shell-Thick	SLE-RARA	-7.9778	-1.0406	-2.12	1.63
1262	Shell-Thick	SLE-RARA	-8.0456	-1.1535	-2.08	1.63
1262	Shell-Thick	SLE-FREQ.	-7.7062	-1.4930	-2.02	1.26
1262	Shell-Thick	SLE-FREQ.	-7.6461	-1.3835	-2.10	1.26
1262	Shell-Thick	SLE-FREQ.	-7.3365	-0.9926	-2.10	1.41
1262	Shell-Thick	SLE-FREQ.	-7.3975	-1.0869	-2.02	1.41
1262	Shell-Thick	SLE-QP	-5.7439	-1.2245	-1.85	0.41
1262	Shell-Thick	SLE-QP	-5.7040	-1.1738	-2.03	0.41
1262	Shell-Thick	SLE-QP	-5.4125	-0.8486	-2.03	0.76
1262	Shell-Thick	SLE-QP	-5.4533	-0.8870	-1.85	0.76
1263	Shell-Thick	SLU-STATICA	-11.6732	-1.7062	-3.62	2.28
1263	Shell-Thick	SLU-STATICA	-11.9501	-1.5901	-3.76	2.28
1263	Shell-Thick	SLU-STATICA	-11.4011	-1.4454	-3.76	2.55
1263	Shell-Thick	SLU-STATICA	-11.1158	-1.6982	-3.62	2.55
1263	Shell-Thick	SLU-SISMICA	-17.3267	-2.1709	-4.37	4.45
1263	Shell-Thick	SLU-SISMICA	-17.7532	-1.9763	-3.89	4.45
1263	Shell-Thick	SLU-SISMICA	-17.1402	-2.0190	-3.89	3.49
1263	Shell-Thick	SLU-SISMICA	-16.7000	-2.4309	-4.37	3.49
1263	Shell-Thick	SLE-RARA	-8.5636	-1.2697	-2.70	1.62
1263	Shell-Thick	SLE-RARA	-8.7659	-1.1856	-2.84	1.62
1263	Shell-Thick	SLE-RARA	-8.3531	-1.0667	-2.84	1.89
1263	Shell-Thick	SLE-RARA	-8.1446	-1.2503	-2.70	1.89
1263	Shell-Thick	SLE-FREQ.	-7.8878	-1.2002	-2.58	1.40
1263	Shell-Thick	SLE-FREQ.	-8.0729	-1.1246	-2.76	1.40
1263	Shell-Thick	SLE-FREQ.	-7.6755	-0.9932	-2.76	1.76
1263	Shell-Thick	SLE-FREQ.	-7.4849	-1.1592	-2.58	1.76
1263	Shell-Thick	SLE-QP	-5.8606	-0.9917	-2.19	0.75
1263	Shell-Thick	SLE-QP	-5.9938	-0.9417	-2.52	0.75
1263	Shell-Thick	SLE-QP	-5.6427	-0.7729	-2.52	1.39
1263	Shell-Thick	SLE-QP	-5.5057	-0.8861	-2.19	1.39
1264	Shell-Thick	SLU-STATICA	-14.2572	-2.2465	-5.13	2.70
1264	Shell-Thick	SLU-STATICA	-13.6303	-2.3000	-5.13	2.70
1264	Shell-Thick	SLU-STATICA	-12.9314	-1.5777	-5.13	2.70
1264	Shell-Thick	SLU-SISMICA	-21.2203	-3.2055	-5.83	3.71
1264	Shell-Thick	SLU-SISMICA	-20.3726	-3.2428	-5.83	3.71
1264	Shell-Thick	SLU-SISMICA	-19.6468	-2.3225	-5.83	3.71
1264	Shell-Thick	SLE-RARA	-10.4562	-1.6545	-3.85	1.99
1264	Shell-Thick	SLE-RARA	-9.9923	-1.6958	-3.85	1.99
1264	Shell-Thick	SLE-RARA	-9.4640	-1.1584	-3.85	1.99
1264	Shell-Thick	SLE-FREQ.	-9.6262	-1.5349	-3.70	1.86
1264	Shell-Thick	SLE-FREQ.	-9.1918	-1.5765	-3.70	1.86
1264	Shell-Thick	SLE-FREQ.	-8.6788	-1.0686	-3.70	1.86

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1264	Shell-Thick	SLE-QP	-7.1360	-1.1761	-3.24	1.46
1264	Shell-Thick	SLE-QP	-6.7904	-1.2186	-3.24	1.46
1264	Shell-Thick	SLE-QP	-6.3231	-0.7993	-3.24	1.46
1265	Shell-Thick	SLU-STATICA	-11.8133	-2.0133	-3.58	2.07
1265	Shell-Thick	SLU-STATICA	-11.5652	-1.8821	-3.58	2.07
1265	Shell-Thick	SLU-STATICA	-10.8838	-1.6051	-3.58	2.07
1265	Shell-Thick	SLU-SISMICA	-17.5649	-2.7868	-4.35	3.08
1265	Shell-Thick	SLU-SISMICA	-17.2014	-2.5628	-4.35	3.08
1265	Shell-Thick	SLU-SISMICA	-16.4049	-2.2086	-4.35	3.08
1265	Shell-Thick	SLE-RARA	-8.6648	-1.4870	-2.67	1.52
1265	Shell-Thick	SLE-RARA	-8.4826	-1.3922	-2.67	1.52
1265	Shell-Thick	SLE-RARA	-7.9720	-1.1862	-2.67	1.52
1265	Shell-Thick	SLE-FREQ.	-7.9785	-1.3868	-2.55	1.40
1265	Shell-Thick	SLE-FREQ.	-7.8103	-1.3020	-2.55	1.40
1265	Shell-Thick	SLE-FREQ.	-7.3217	-1.1073	-2.55	1.40
1265	Shell-Thick	SLE-QP	-5.9195	-1.0861	-2.16	1.04
1265	Shell-Thick	SLE-QP	-5.7933	-1.0312	-2.16	1.04
1265	Shell-Thick	SLE-QP	-5.3708	-0.8708	-2.16	1.04
1266	Shell-Thick	SLU-STATICA	-11.0526	-1.9393	-2.50	1.45
1266	Shell-Thick	SLU-STATICA	-10.9087	-1.8301	-2.50	1.45
1266	Shell-Thick	SLU-STATICA	-10.4171	-1.6699	-2.50	1.45
1266	Shell-Thick	SLU-SISMICA	-16.4103	-2.6440	-3.15	2.36
1266	Shell-Thick	SLU-SISMICA	-16.1796	-2.4410	-3.15	2.36
1266	Shell-Thick	SLU-SISMICA	-15.5865	-2.2326	-3.15	2.36
1266	Shell-Thick	SLE-RARA	-8.1080	-1.4344	-1.87	1.06
1266	Shell-Thick	SLE-RARA	-8.0033	-1.3563	-1.87	1.06
1266	Shell-Thick	SLE-RARA	-7.6359	-1.2373	-1.87	1.06
1266	Shell-Thick	SLE-FREQ.	-7.4678	-1.3411	-1.77	0.96
1266	Shell-Thick	SLE-FREQ.	-7.3728	-1.2727	-1.77	0.96
1266	Shell-Thick	SLE-FREQ.	-7.0228	-1.1605	-1.77	0.96
1266	Shell-Thick	SLE-QP	-5.5471	-1.0613	-1.47	0.66
1266	Shell-Thick	SLE-QP	-5.4813	-1.0217	-1.47	0.66
1266	Shell-Thick	SLE-QP	-5.1835	-0.9302	-1.47	0.66
1267	Shell-Thick	SLU-STATICA	-10.2767	-1.8363	-1.45	0.84
1267	Shell-Thick	SLU-STATICA	-10.2089	-1.7642	-1.45	0.84
1267	Shell-Thick	SLU-STATICA	-9.9163	-1.6889	-1.45	0.84
1267	Shell-Thick	SLU-SISMICA	-15.2578	-2.4842	-1.90	1.62
1267	Shell-Thick	SLU-SISMICA	-15.1229	-2.3245	-1.90	1.62
1267	Shell-Thick	SLU-SISMICA	-14.7640	-2.2220	-1.90	1.62
1267	Shell-Thick	SLE-RARA	-7.5388	-1.3592	-1.08	0.60
1267	Shell-Thick	SLE-RARA	-7.4908	-1.3089	-1.08	0.60
1267	Shell-Thick	SLE-RARA	-7.2724	-1.2532	-1.08	0.60
1267	Shell-Thick	SLE-FREQ.	-6.9436	-1.2724	-1.01	0.52
1267	Shell-Thick	SLE-FREQ.	-6.9023	-1.2306	-1.01	0.52
1267	Shell-Thick	SLE-FREQ.	-6.6947	-1.1785	-1.01	0.52
1267	Shell-Thick	SLE-QP	-5.1579	-1.0121	-0.83	0.29
1267	Shell-Thick	SLE-QP	-5.1367	-0.9956	-0.83	0.29
1267	Shell-Thick	SLE-QP	-4.9616	-0.9543	-0.83	0.29
1268	Shell-Thick	SLU-STATICA	-9.2967	-1.7029	-0.42	0.26
1268	Shell-Thick	SLU-STATICA	-9.2976	-1.6684	-0.42	0.26
1268	Shell-Thick	SLU-STATICA	-9.2033	-1.6708	-0.42	0.26
1268	Shell-Thick	SLU-SISMICA	-13.8239	-2.2987	-0.64	0.90
1268	Shell-Thick	SLU-SISMICA	-13.7772	-2.1827	-0.64	0.90
1268	Shell-Thick	SLU-SISMICA	-13.6574	-2.1796	-0.64	0.90
1268	Shell-Thick	SLE-RARA	-6.8189	-1.2607	-0.31	0.16
1268	Shell-Thick	SLE-RARA	-6.8219	-1.2386	-0.31	0.16
1268	Shell-Thick	SLE-RARA	-6.7518	-1.2406	-0.31	0.16
1268	Shell-Thick	SLE-FREQ.	-6.2787	-1.1806	-0.28	0.10
1268	Shell-Thick	SLE-FREQ.	-6.2856	-1.1658	-0.28	0.10
1268	Shell-Thick	SLE-FREQ.	-6.2193	-1.1682	-0.28	0.10
1268	Shell-Thick	SLE-QP	-4.6582	-0.9405	-0.20	-6.712E-02
1268	Shell-Thick	SLE-QP	-4.6766	-0.9474	-0.20	-6.712E-02
1268	Shell-Thick	SLE-QP	-4.6217	-0.9510	-0.20	-6.712E-02
1269	Shell-Thick	SLU-STATICA	-8.0923	-1.5733	0.56	-0.28
1269	Shell-Thick	SLU-STATICA	-8.1511	-1.5755	0.56	-0.28
1269	Shell-Thick	SLU-STATICA	-8.2480	-1.6450	0.56	-0.28
1269	Shell-Thick	SLU-SISMICA	-12.0808	-2.1336	0.56	0.24
1269	Shell-Thick	SLU-SISMICA	-12.1085	-2.0604	0.56	0.24
1269	Shell-Thick	SLU-SISMICA	-12.2211	-2.1435	0.56	0.24

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1269	Shell-Thick	SLE-RARA	-5.9331	-1.1642	0.43	-0.24
1269	Shell-Thick	SLE-RARA	-5.9792	-1.1697	0.43	-0.24
1269	Shell-Thick	SLE-RARA	-6.0519	-1.2216	0.43	-0.24
1269	Shell-Thick	SLE-FREQ.	-5.4590	-1.0894	0.41	-0.28
1269	Shell-Thick	SLE-FREQ.	-5.5066	-1.1010	0.41	-0.28
1269	Shell-Thick	SLE-FREQ.	-5.5761	-1.1506	0.41	-0.28
1269	Shell-Thick	SLE-QP	-4.0368	-0.8652	0.38	-0.39
1269	Shell-Thick	SLE-QP	-4.0886	-0.8949	0.38	-0.39
1269	Shell-Thick	SLE-QP	-4.1490	-0.9373	0.38	-0.39
1270	Shell-Thick	SLU-STATICA	-6.6897	-1.4922	1.45	-0.76
1270	Shell-Thick	SLU-STATICA	-6.7970	-1.5274	1.45	-0.76
1270	Shell-Thick	SLU-STATICA	-7.0691	-1.6545	1.45	-0.76
1270	Shell-Thick	SLU-SISMICA	-10.0675	-2.0516	1.64	-0.33
1270	Shell-Thick	SLU-SISMICA	-10.1573	-2.0166	1.64	-0.33
1270	Shell-Thick	SLU-SISMICA	-10.4825	-2.1735	1.64	-0.33
1270	Shell-Thick	SLE-RARA	-4.9007	-1.1028	1.09	-0.60
1270	Shell-Thick	SLE-RARA	-4.9829	-1.1330	1.09	-0.60
1270	Shell-Thick	SLE-RARA	-5.1864	-1.2278	1.09	-0.60
1270	Shell-Thick	SLE-FREQ.	-4.5023	-1.0296	1.04	-0.62
1270	Shell-Thick	SLE-FREQ.	-4.5839	-1.0649	1.04	-0.62
1270	Shell-Thick	SLE-FREQ.	-4.7780	-1.1549	1.04	-0.62
1270	Shell-Thick	SLE-QP	-3.3070	-0.8101	0.91	-0.68
1270	Shell-Thick	SLE-QP	-3.3869	-0.8605	0.91	-0.68
1270	Shell-Thick	SLE-QP	-3.5528	-0.9361	0.91	-0.68
1271	Shell-Thick	SLU-STATICA	-5.1528	-1.5048	2.21	-1.16
1271	Shell-Thick	SLU-STATICA	-5.3035	-1.5657	2.21	-1.16
1271	Shell-Thick	SLU-STATICA	-5.7264	-1.7454	2.21	-1.16
1271	Shell-Thick	SLU-SISMICA	-7.8765	-2.1171	2.58	-0.81
1271	Shell-Thick	SLU-SISMICA	-8.0221	-2.1107	2.58	-0.81
1271	Shell-Thick	SLU-SISMICA	-8.5289	-2.3354	2.58	-0.81
1271	Shell-Thick	SLE-RARA	-3.7688	-1.1098	1.66	-0.89
1271	Shell-Thick	SLE-RARA	-3.8832	-1.1593	1.66	-0.89
1271	Shell-Thick	SLE-RARA	-4.1995	-1.2932	1.66	-0.89
1271	Shell-Thick	SLE-FREQ.	-3.4520	-1.0321	1.59	-0.90
1271	Shell-Thick	SLE-FREQ.	-3.5641	-1.0859	1.59	-0.90
1271	Shell-Thick	SLE-FREQ.	-3.8656	-1.2128	1.59	-0.90
1271	Shell-Thick	SLE-QP	-2.5017	-0.7991	1.38	-0.92
1271	Shell-Thick	SLE-QP	-2.6066	-0.8658	1.38	-0.92
1271	Shell-Thick	SLE-QP	-2.8641	-0.9717	1.38	-0.92
1272	Shell-Thick	SLU-STATICA	-3.5737	-1.6466	2.85	-1.48
1272	Shell-Thick	SLU-STATICA	-3.7728	-1.7207	2.85	-1.48
1272	Shell-Thick	SLU-STATICA	-4.3147	-1.9584	2.85	-1.48
1272	Shell-Thick	SLU-SISMICA	-5.6406	-2.3807	3.34	-1.20
1272	Shell-Thick	SLU-SISMICA	-5.8506	-2.3860	3.34	-1.20
1272	Shell-Thick	SLU-SISMICA	-6.4973	-2.6879	3.34	-1.20
1272	Shell-Thick	SLE-RARA	-2.6050	-1.2111	2.14	-1.14
1272	Shell-Thick	SLE-RARA	-2.7552	-1.2707	2.14	-1.14
1272	Shell-Thick	SLE-RARA	-3.1607	-1.4476	2.14	-1.14
1272	Shell-Thick	SLE-FREQ.	-2.3709	-1.1209	2.04	-1.13
1272	Shell-Thick	SLE-FREQ.	-2.5166	-1.1847	2.04	-1.13
1272	Shell-Thick	SLE-FREQ.	-2.9034	-1.3520	2.04	-1.13
1272	Shell-Thick	SLE-QP	-1.6686	-0.8503	1.76	-1.12
1272	Shell-Thick	SLE-QP	-1.8005	-0.9266	1.76	-1.12
1272	Shell-Thick	SLE-QP	-2.1315	-1.0650	1.76	-1.12
1273	Shell-Thick	SLU-STATICA	-2.0601	-1.9325	3.36	-1.75
1273	Shell-Thick	SLU-STATICA	-2.3314	-1.9992	3.36	-1.75
1273	Shell-Thick	SLU-STATICA	-2.9528	-2.3207	3.36	-1.75
1273	Shell-Thick	SLU-SISMICA	-3.5145	-2.8646	3.95	-1.51
1273	Shell-Thick	SLU-SISMICA	-3.8256	-2.8525	3.95	-1.51
1273	Shell-Thick	SLU-SISMICA	-4.5595	-3.2710	3.95	-1.51
1273	Shell-Thick	SLE-RARA	-1.4885	-1.4179	2.52	-1.34
1273	Shell-Thick	SLE-RARA	-1.6922	-1.4723	2.52	-1.34
1273	Shell-Thick	SLE-RARA	-2.1574	-1.7111	2.52	-1.34
1273	Shell-Thick	SLE-FREQ.	-1.3323	-1.3063	2.41	-1.32
1273	Shell-Thick	SLE-FREQ.	-1.5277	-1.3659	2.41	-1.32
1273	Shell-Thick	SLE-FREQ.	-1.9722	-1.5908	2.41	-1.32
1273	Shell-Thick	SLE-QP	-0.8636	-0.9717	2.08	-1.28
1273	Shell-Thick	SLE-QP	-1.0341	-1.0466	2.08	-1.28
1273	Shell-Thick	SLE-QP	-1.4165	-1.2299	2.08	-1.28

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1274	Shell-Thick	SLU-STATICA	-0.7112	-2.3483	3.79	-1.98
1274	Shell-Thick	SLU-STATICA	-1.1236	-2.3659	3.79	-1.98
1274	Shell-Thick	SLU-STATICA	-1.7707	-2.8463	3.79	-1.98
1274	Shell-Thick	SLU-SISMICA	-1.6405	-3.5479	4.47	-1.80
1274	Shell-Thick	SLU-SISMICA	-2.1557	-3.4582	4.47	-1.80
1274	Shell-Thick	SLU-SISMICA	-2.9030	-4.1059	4.47	-1.80
1274	Shell-Thick	SLE-RARA	-0.4926	-1.7197	2.84	-1.51
1274	Shell-Thick	SLE-RARA	-0.8000	-1.7383	2.84	-1.51
1274	Shell-Thick	SLE-RARA	-1.2853	-2.0940	2.84	-1.51
1274	Shell-Thick	SLE-FREQ.	-0.4041	-1.5787	2.71	-1.49
1274	Shell-Thick	SLE-FREQ.	-0.6954	-1.6057	2.71	-1.49
1274	Shell-Thick	SLE-FREQ.	-1.1606	-1.9388	2.71	-1.49
1274	Shell-Thick	SLE-QP	-0.1385	-1.1557	2.34	-1.42
1274	Shell-Thick	SLE-QP	-0.3818	-1.2078	2.34	-1.42
1274	Shell-Thick	SLE-QP	-0.7863	-1.4734	2.34	-1.42
1275	Shell-Thick	SLU-STATICA	0.3734	-2.5887	4.19	-2.13
1275	Shell-Thick	SLU-STATICA	-0.2072	-2.5286	4.19	-2.13
1275	Shell-Thick	SLU-STATICA	-0.8589	-3.2039	4.19	-2.13
1275	Shell-Thick	SLU-SISMICA	-0.1603	-3.9910	4.96	-1.97
1275	Shell-Thick	SLU-SISMICA	-0.9256	-3.7794	4.96	-1.97
1275	Shell-Thick	SLU-SISMICA	-1.6582	-4.7164	4.96	-1.97
1275	Shell-Thick	SLE-RARA	0.3095	-1.8917	3.13	-1.62
1275	Shell-Thick	SLE-RARA	-0.1212	-1.8537	3.13	-1.62
1275	Shell-Thick	SLE-RARA	-0.6110	-2.3523	3.13	-1.62
1275	Shell-Thick	SLE-FREQ.	0.3457	-1.7298	2.99	-1.60
1275	Shell-Thick	SLE-FREQ.	-0.0592	-1.7052	2.99	-1.60
1275	Shell-Thick	SLE-FREQ.	-0.5302	-2.1700	2.99	-1.60
1275	Shell-Thick	SLE-QP	0.4544	-1.2442	2.57	-1.52
1275	Shell-Thick	SLE-QP	0.1269	-1.2597	2.57	-1.52
1275	Shell-Thick	SLE-QP	-0.2880	-1.6231	2.57	-1.52
1276	Shell-Thick	SLU-STATICA	1.9087	-4.0817	4.61	-2.47
1276	Shell-Thick	SLU-STATICA	-0.3335	-3.8095	4.61	-2.47
1276	Shell-Thick	SLU-STATICA	-1.8674	-5.1519	4.61	-2.47
1276	Shell-Thick	SLU-SISMICA	1.9825	-6.2875	5.50	-2.50
1276	Shell-Thick	SLU-SISMICA	-1.1912	-5.7370	5.50	-2.50
1276	Shell-Thick	SLU-SISMICA	-3.2670	-7.6459	5.50	-2.50
1276	Shell-Thick	SLE-RARA	1.4426	-2.9830	3.45	-1.87
1276	Shell-Thick	SLE-RARA	-0.2099	-2.7906	3.45	-1.87
1276	Shell-Thick	SLE-RARA	-1.3453	-3.7795	3.45	-1.87
1276	Shell-Thick	SLE-FREQ.	1.4010	-2.7282	3.29	-1.82
1276	Shell-Thick	SLE-FREQ.	-0.1343	-2.5634	3.29	-1.82
1276	Shell-Thick	SLE-FREQ.	-1.1971	-3.4813	3.29	-1.82
1276	Shell-Thick	SLE-QP	1.2761	-1.9637	2.82	-1.68
1276	Shell-Thick	SLE-QP	0.0927	-1.8818	2.82	-1.68
1276	Shell-Thick	SLE-QP	-0.7525	-2.5869	2.82	-1.68
1277	Shell-Thick	SLU-STATICA	1.8957	-5.2893	5.82	-2.48
1277	Shell-Thick	SLU-STATICA	1.1943	-5.1922	5.82	-2.48
1277	Shell-Thick	SLU-STATICA	0.2355	-6.0170	5.82	-2.48
1277	Shell-Thick	SLU-SISMICA	1.7452	-8.2859	7.38	-2.49
1277	Shell-Thick	SLU-SISMICA	0.8555	-8.0398	7.38	-2.49
1277	Shell-Thick	SLU-SISMICA	-0.3600	-9.1474	7.38	-2.49
1277	Shell-Thick	SLE-RARA	1.4440	-3.8586	4.33	-1.88
1277	Shell-Thick	SLE-RARA	0.9218	-3.7925	4.33	-1.88
1277	Shell-Thick	SLE-RARA	0.2081	-4.4034	4.33	-1.88
1277	Shell-Thick	SLE-FREQ.	1.4207	-3.5172	4.10	-1.83
1277	Shell-Thick	SLE-FREQ.	0.9269	-3.4650	4.10	-1.83
1277	Shell-Thick	SLE-FREQ.	0.2519	-4.0375	4.10	-1.83
1277	Shell-Thick	SLE-QP	1.3510	-2.4930	3.39	-1.69
1277	Shell-Thick	SLE-QP	0.9423	-2.4824	3.39	-1.69
1277	Shell-Thick	SLE-QP	0.3834	-2.9401	3.39	-1.69
1278	Shell-Thick	SLU-STATICA	1.1868	-6.0931	4.83	-2.56
1278	Shell-Thick	SLU-STATICA	0.8976	-6.2538	4.83	-2.56
1278	Shell-Thick	SLU-STATICA	-0.0448	-6.5985	4.83	-2.56
1278	Shell-Thick	SLU-SISMICA	0.6744	-9.5753	6.01	-2.70
1278	Shell-Thick	SLU-SISMICA	0.3541	-9.7127	6.01	-2.70
1278	Shell-Thick	SLU-SISMICA	-0.8377	-10.1415	6.01	-2.70
1278	Shell-Thick	SLE-RARA	0.9248	-4.4434	3.60	-1.93
1278	Shell-Thick	SLE-RARA	0.7073	-4.5664	3.60	-1.93
1278	Shell-Thick	SLE-RARA	0.0056	-4.8234	3.60	-1.93

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1278	Shell-Thick	SLE-FREQ.	0.9441	-4.0477	3.42	-1.87
1278	Shell-Thick	SLE-FREQ.	0.7345	-4.1695	3.42	-1.87
1278	Shell-Thick	SLE-FREQ.	0.0706	-4.4133	3.42	-1.87
1278	Shell-Thick	SLE-QP	1.0020	-2.8605	2.86	-1.69
1278	Shell-Thick	SLE-QP	0.8162	-2.9790	2.86	-1.69
1278	Shell-Thick	SLE-QP	0.2657	-3.1830	2.86	-1.69
1279	Shell-Thick	SLU-STATICA	0.9113	-6.8064	5.08	-2.81
1279	Shell-Thick	SLU-STATICA	0.5596	-6.9704	5.08	-2.81
1279	Shell-Thick	SLU-STATICA	-0.4068	-7.3747	5.08	-2.81
1279	Shell-Thick	SLU-SISMICA	0.2498	-10.7470	6.51	-3.16
1279	Shell-Thick	SLU-SISMICA	-0.1778	-10.8914	6.51	-3.16
1279	Shell-Thick	SLU-SISMICA	-1.4296	-11.4250	6.51	-3.16
1279	Shell-Thick	SLE-RARA	0.7235	-4.9611	3.78	-2.11
1279	Shell-Thick	SLE-RARA	0.4608	-5.0864	3.78	-2.11
1279	Shell-Thick	SLE-RARA	-0.2573	-5.3863	3.78	-2.11
1279	Shell-Thick	SLE-FREQ.	0.7600	-4.5150	3.56	-2.03
1279	Shell-Thick	SLE-FREQ.	0.5100	-4.6387	3.56	-2.03
1279	Shell-Thick	SLE-FREQ.	-0.1669	-4.9206	3.56	-2.03
1279	Shell-Thick	SLE-QP	0.8696	-3.1765	2.93	-1.79
1279	Shell-Thick	SLE-QP	0.6578	-3.2958	2.93	-1.79
1279	Shell-Thick	SLE-QP	0.1043	-3.5236	2.93	-1.79
1280	Shell-Thick	SLU-STATICA	0.4776	-7.4000	5.58	-3.19
1280	Shell-Thick	SLU-STATICA	0.0765	-7.5893	5.58	-3.19
1280	Shell-Thick	SLU-STATICA	-0.9781	-8.0409	5.58	-3.19
1280	Shell-Thick	SLU-SISMICA	-0.3772	-11.7489	7.39	-3.79
1280	Shell-Thick	SLU-SISMICA	-0.8929	-11.9325	7.39	-3.79
1280	Shell-Thick	SLU-SISMICA	-2.2985	-12.5529	7.39	-3.79
1280	Shell-Thick	SLE-RARA	0.4044	-5.3906	4.14	-2.39
1280	Shell-Thick	SLE-RARA	0.1062	-5.5343	4.14	-2.39
1280	Shell-Thick	SLE-RARA	-0.6753	-5.8681	4.14	-2.39
1280	Shell-Thick	SLE-FREQ.	0.4647	-4.9003	3.89	-2.28
1280	Shell-Thick	SLE-FREQ.	0.1833	-5.0409	3.89	-2.28
1280	Shell-Thick	SLE-FREQ.	-0.5502	-5.3526	3.89	-2.28
1280	Shell-Thick	SLE-QP	0.6456	-3.4294	3.13	-1.95
1280	Shell-Thick	SLE-QP	0.4144	-3.5608	3.13	-1.95
1280	Shell-Thick	SLE-QP	-0.1747	-3.8062	3.13	-1.95
1281	Shell-Thick	SLU-STATICA	0.0781	-7.8588	6.30	-3.69
1281	Shell-Thick	SLU-STATICA	-0.3983	-8.0747	6.30	-3.69
1281	Shell-Thick	SLU-STATICA	-1.5768	-8.6028	6.30	-3.69
1281	Shell-Thick	SLU-SISMICA	-0.9239	-12.5573	8.59	-4.61
1281	Shell-Thick	SLU-SISMICA	-1.5667	-12.7813	8.59	-4.61
1281	Shell-Thick	SLU-SISMICA	-3.1779	-13.5326	8.59	-4.61
1281	Shell-Thick	SLE-RARA	0.1091	-5.7208	4.66	-2.75
1281	Shell-Thick	SLE-RARA	-0.2436	-5.8840	4.66	-2.75
1281	Shell-Thick	SLE-RARA	-1.1150	-6.2731	4.66	-2.75
1281	Shell-Thick	SLE-FREQ.	0.1888	-5.1937	4.35	-2.60
1281	Shell-Thick	SLE-FREQ.	-0.1415	-5.3522	4.35	-2.60
1281	Shell-Thick	SLE-FREQ.	-0.9560	-5.7133	4.35	-2.60
1281	Shell-Thick	SLE-QP	0.4278	-3.6121	3.44	-2.18
1281	Shell-Thick	SLE-QP	0.1646	-3.7566	3.44	-2.18
1281	Shell-Thick	SLE-QP	-0.4788	-4.0339	3.44	-2.18
1282	Shell-Thick	SLU-STATICA	-0.1968	-8.1729	7.22	-4.30
1282	Shell-Thick	SLU-STATICA	-0.7656	-8.4205	7.22	-4.30
1282	Shell-Thick	SLU-STATICA	-2.1060	-9.0448	7.22	-4.30
1282	Shell-Thick	SLU-SISMICA	-1.2582	-13.1560	10.09	-5.59
1282	Shell-Thick	SLU-SISMICA	-2.0547	-13.4268	10.09	-5.59
1282	Shell-Thick	SLU-SISMICA	-3.9257	-14.3394	10.09	-5.59
1282	Shell-Thick	SLE-RARA	-0.0962	-5.9447	5.33	-3.19
1282	Shell-Thick	SLE-RARA	-0.5159	-6.1311	5.33	-3.19
1282	Shell-Thick	SLE-RARA	-1.5052	-6.5898	5.33	-3.19
1282	Shell-Thick	SLE-FREQ.	-0.0066	-5.3886	4.96	-3.01
1282	Shell-Thick	SLE-FREQ.	-0.3973	-5.5685	4.96	-3.01
1282	Shell-Thick	SLE-FREQ.	-1.3185	-5.9922	4.96	-3.01
1282	Shell-Thick	SLE-QP	0.2622	-3.7203	3.86	-2.46
1282	Shell-Thick	SLE-QP	-0.0413	-3.8808	3.86	-2.46
1282	Shell-Thick	SLE-QP	-0.7586	-4.1994	3.86	-2.46
1283	Shell-Thick	SLU-STATICA	-0.2697	-8.3347	8.34	-5.02
1283	Shell-Thick	SLU-STATICA	-0.9440	-8.6198	8.34	-5.02
1283	Shell-Thick	SLU-STATICA	-2.4825	-9.3554	8.34	-5.02



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1283	Shell-Thick	SLU-SISMICA	-1.2669	-13.5315	11.86	-6.72
1283	Shell-Thick	SLU-SISMICA	-2.2378	-13.8567	11.86	-6.72
1283	Shell-Thick	SLU-SISMICA	-4.4204	-14.9546	11.86	-6.72
1283	Shell-Thick	SLE-RARA	-0.1547	-6.0566	6.14	-3.72
1283	Shell-Thick	SLE-RARA	-0.6508	-6.2706	6.14	-3.72
1283	Shell-Thick	SLE-RARA	-1.7845	-6.8100	6.14	-3.72
1283	Shell-Thick	SLE-FREQ.	-0.0689	-5.4802	5.70	-3.48
1283	Shell-Thick	SLE-FREQ.	-0.5285	-5.6856	5.70	-3.48
1283	Shell-Thick	SLE-FREQ.	-1.5813	-6.1819	5.70	-3.48
1283	Shell-Thick	SLE-QP	0.1884	-3.7510	4.38	-2.79
1283	Shell-Thick	SLE-QP	-0.1613	-3.9307	4.38	-2.79
1283	Shell-Thick	SLE-QP	-0.9715	-4.2977	4.38	-2.79
1284	Shell-Thick	SLU-STATICA	-0.0792	-8.3397	9.62	-5.82
1284	Shell-Thick	SLU-STATICA	-0.8683	-8.6679	9.62	-5.82
1284	Shell-Thick	SLU-STATICA	-2.6378	-9.5262	9.62	-5.82
1284	Shell-Thick	SLU-SISMICA	-0.8601	-13.6741	13.88	-7.97
1284	Shell-Thick	SLU-SISMICA	-2.0210	-14.0613	13.88	-7.97
1284	Shell-Thick	SLU-SISMICA	-4.5625	-15.3630	13.88	-7.97
1284	Shell-Thick	SLE-RARA	-0.0211	-6.0535	7.08	-4.30
1284	Shell-Thick	SLE-RARA	-0.6005	-6.2993	7.08	-4.30
1284	Shell-Thick	SLE-RARA	-1.9028	-6.9275	7.08	-4.30
1284	Shell-Thick	SLE-FREQ.	0.0436	-5.4659	6.55	-4.02
1284	Shell-Thick	SLE-FREQ.	-0.4910	-5.7007	6.55	-4.02
1284	Shell-Thick	SLE-FREQ.	-1.6978	-6.2770	6.55	-4.02
1284	Shell-Thick	SLE-QP	0.2376	-3.7029	4.98	-3.17
1284	Shell-Thick	SLE-QP	-0.1624	-3.9051	4.98	-3.17
1284	Shell-Thick	SLE-QP	-1.0825	-4.3256	4.98	-3.17
1285	Shell-Thick	SLU-STATICA	0.4198	-8.1868	11.04	-6.69
1285	Shell-Thick	SLU-STATICA	-0.4899	-8.5631	11.04	-6.69
1285	Shell-Thick	SLU-STATICA	-2.5181	-9.5516	11.04	-6.69
1285	Shell-Thick	SLU-SISMICA	0.0293	-13.5781	16.10	-9.34
1285	Shell-Thick	SLU-SISMICA	-1.3324	-14.0341	16.10	-9.34
1285	Shell-Thick	SLU-SISMICA	-4.2738	-15.5531	16.10	-9.34
1285	Shell-Thick	SLE-RARA	0.3375	-5.9348	8.11	-4.94
1285	Shell-Thick	SLE-RARA	-0.3293	-6.2160	8.11	-4.94
1285	Shell-Thick	SLE-RARA	-1.8206	-6.9386	8.11	-4.94
1285	Shell-Thick	SLE-FREQ.	0.3613	-5.3454	7.49	-4.60
1285	Shell-Thick	SLE-FREQ.	-0.2519	-5.6132	7.49	-4.60
1285	Shell-Thick	SLE-FREQ.	-1.6314	-6.2743	7.49	-4.60
1285	Shell-Thick	SLE-QP	0.4326	-3.5772	5.65	-3.58
1285	Shell-Thick	SLE-QP	-0.0199	-3.8045	5.65	-3.58
1285	Shell-Thick	SLE-QP	-1.0639	-4.2814	5.65	-3.58
1286	Shell-Thick	SLU-STATICA	1.2567	-7.8781	12.56	-7.60
1286	Shell-Thick	SLU-STATICA	0.2240	-8.3067	12.56	-7.60
1286	Shell-Thick	SLU-STATICA	-2.0846	-9.4291	12.56	-7.60
1286	Shell-Thick	SLU-SISMICA	1.4457	-13.2416	18.48	-10.78
1286	Shell-Thick	SLU-SISMICA	-0.1225	-13.7722	18.48	-10.78
1286	Shell-Thick	SLU-SISMICA	-3.4968	-15.5165	18.48	-10.78
1286	Shell-Thick	SLE-RARA	0.9428	-5.7023	9.22	-5.60
1286	Shell-Thick	SLE-RARA	0.1870	-6.0220	9.22	-5.60
1286	Shell-Thick	SLE-RARA	-1.5092	-6.8415	9.22	-5.60
1286	Shell-Thick	SLE-FREQ.	0.9040	-5.1210	8.50	-5.20
1286	Shell-Thick	SLE-FREQ.	0.2109	-5.4244	8.50	-5.20
1286	Shell-Thick	SLE-FREQ.	-1.3559	-6.1726	8.50	-5.20
1286	Shell-Thick	SLE-QP	0.7877	-3.3769	6.36	-4.01
1286	Shell-Thick	SLE-QP	0.2825	-3.6314	6.36	-4.01
1286	Shell-Thick	SLE-QP	-0.8961	-4.1657	6.36	-4.01
1287	Shell-Thick	SLU-STATICA	2.4447	-7.4194	14.14	-8.54
1287	Shell-Thick	SLU-STATICA	1.2907	-7.9030	14.14	-8.54
1287	Shell-Thick	SLU-STATICA	-1.3128	-9.1591	14.14	-8.54
1287	Shell-Thick	SLU-SISMICA	3.4117	-12.6667	20.97	-12.26
1287	Shell-Thick	SLU-SISMICA	1.6364	-13.2766	20.97	-12.26
1287	Shell-Thick	SLU-SISMICA	-2.1946	-15.2484	20.97	-12.26
1287	Shell-Thick	SLE-RARA	1.8043	-5.3605	10.37	-6.29
1287	Shell-Thick	SLE-RARA	0.9608	-5.7207	10.37	-6.29
1287	Shell-Thick	SLE-RARA	-0.9509	-6.6368	10.37	-6.29
1287	Shell-Thick	SLE-FREQ.	1.6803	-4.7971	9.55	-5.83
1287	Shell-Thick	SLE-FREQ.	0.9086	-5.1381	9.55	-5.83
1287	Shell-Thick	SLE-FREQ.	-0.8550	-5.9727	9.55	-5.83



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1287	Shell-Thick	SLE-QP	1.3085	-3.1069	7.10	-4.44
1287	Shell-Thick	SLE-QP	0.7523	-3.3901	7.10	-4.44
1287	Shell-Thick	SLE-QP	-0.5672	-3.9806	7.10	-4.44
1288	Shell-Thick	SLU-STATICA	3.9812	-6.8197	15.73	-9.47
1288	Shell-Thick	SLU-STATICA	2.7112	-7.3600	15.73	-9.47
1288	Shell-Thick	SLU-STATICA	-0.1939	-8.7450	15.73	-9.47
1288	Shell-Thick	SLU-SISMICA	5.9279	-11.8600	23.51	-13.75
1288	Shell-Thick	SLU-SISMICA	3.9508	-12.5523	23.51	-13.75
1288	Shell-Thick	SLU-SISMICA	-0.3510	-14.7476	23.51	-13.75
1288	Shell-Thick	SLE-RARA	2.9197	-4.9164	11.53	-6.96
1288	Shell-Thick	SLE-RARA	1.9926	-5.3182	11.53	-6.96
1288	Shell-Thick	SLE-RARA	-0.1391	-6.3274	11.53	-6.96
1288	Shell-Thick	SLE-FREQ.	2.6877	-4.3809	10.61	-6.44
1288	Shell-Thick	SLE-FREQ.	1.8416	-4.7604	10.61	-6.44
1288	Shell-Thick	SLE-FREQ.	-0.1228	-5.6781	10.61	-6.44
1288	Shell-Thick	SLE-QP	1.9918	-2.7746	7.84	-4.87
1288	Shell-Thick	SLE-QP	1.3886	-3.0869	7.84	-4.87
1288	Shell-Thick	SLE-QP	-0.0738	-3.7301	7.84	-4.87
1289	Shell-Thick	SLU-STATICA	5.8464	-6.0916	17.30	-10.37
1289	Shell-Thick	SLU-STATICA	4.4702	-6.6888	17.30	-10.37
1289	Shell-Thick	SLU-STATICA	1.2654	-8.1935	17.30	-10.37
1289	Shell-Thick	SLU-SISMICA	8.9719	-10.8326	26.04	-15.21
1289	Shell-Thick	SLU-SISMICA	6.8045	-11.6089	26.04	-15.21
1289	Shell-Thick	SLU-SISMICA	2.0289	-14.0168	26.04	-15.21
1289	Shell-Thick	SLE-RARA	4.2743	-4.3797	12.67	-7.61
1289	Shell-Thick	SLE-RARA	3.2709	-4.8233	12.67	-7.61
1289	Shell-Thick	SLE-RARA	0.9208	-5.9184	12.67	-7.61
1289	Shell-Thick	SLE-FREQ.	3.9121	-3.8821	11.64	-7.03
1289	Shell-Thick	SLE-FREQ.	2.9985	-4.3000	11.64	-7.03
1289	Shell-Thick	SLE-FREQ.	0.8353	-5.2939	11.64	-7.03
1289	Shell-Thick	SLE-QP	2.8254	-2.3892	8.55	-5.27
1289	Shell-Thick	SLE-QP	2.1810	-2.7302	8.55	-5.27
1289	Shell-Thick	SLE-QP	0.5790	-3.4204	8.55	-5.27
1290	Shell-Thick	SLU-STATICA	8.0027	-5.2516	18.79	-11.20
1290	Shell-Thick	SLU-STATICA	6.5347	-5.9044	18.79	-11.20
1290	Shell-Thick	SLU-STATICA	3.0411	-7.5142	18.79	-11.20
1290	Shell-Thick	SLU-SISMICA	12.4961	-9.6005	28.49	-16.61
1290	Shell-Thick	SLU-SISMICA	10.1569	-10.4609	28.49	-16.61
1290	Shell-Thick	SLU-SISMICA	4.9161	-13.0630	28.49	-16.61
1290	Shell-Thick	SLE-RARA	5.8400	-3.7626	13.75	-8.22
1290	Shell-Thick	SLE-RARA	4.7711	-4.2469	13.75	-8.22
1290	Shell-Thick	SLE-RARA	2.2109	-5.4174	13.75	-8.22
1290	Shell-Thick	SLE-FREQ.	5.3268	-3.3125	12.62	-7.57
1290	Shell-Thick	SLE-FREQ.	4.3558	-3.7678	12.62	-7.57
1290	Shell-Thick	SLE-FREQ.	2.0023	-4.8278	12.62	-7.57
1290	Shell-Thick	SLE-QP	3.7870	-1.9619	9.21	-5.63
1290	Shell-Thick	SLE-QP	3.1098	-2.3303	9.21	-5.63
1290	Shell-Thick	SLE-QP	1.3765	-3.0591	9.21	-5.63
1291	Shell-Thick	SLU-STATICA	10.3922	-4.3191	20.14	-11.93
1291	Shell-Thick	SLU-STATICA	8.8520	-5.0248	20.14	-11.93
1291	Shell-Thick	SLU-STATICA	5.0902	-6.7198	20.14	-11.93
1291	Shell-Thick	SLU-SISMICA	16.4244	-8.1850	30.79	-17.88
1291	Shell-Thick	SLU-SISMICA	13.9400	-9.1281	30.79	-17.88
1291	Shell-Thick	SLU-SISMICA	8.2552	-11.8971	30.79	-17.88
1291	Shell-Thick	SLE-RARA	7.5740	-3.0802	14.73	-8.75
1291	Shell-Thick	SLE-RARA	6.4540	-3.6031	14.73	-8.75
1291	Shell-Thick	SLE-RARA	3.6994	-4.8339	14.73	-8.75
1291	Shell-Thick	SLE-FREQ.	6.8915	-2.6865	13.49	-8.04
1291	Shell-Thick	SLE-FREQ.	5.8767	-3.1770	13.49	-8.04
1291	Shell-Thick	SLE-FREQ.	3.3481	-4.2893	13.49	-8.04
1291	Shell-Thick	SLE-QP	4.8441	-1.5056	9.78	-5.93
1291	Shell-Thick	SLE-QP	4.1449	-1.8989	9.78	-5.93
1291	Shell-Thick	SLE-QP	2.2941	-2.6553	9.78	-5.93
1292	Shell-Thick	SLU-STATICA	12.9348	-3.3173	21.30	-12.53
1292	Shell-Thick	SLU-STATICA	11.3479	-4.0719	21.30	-12.53
1292	Shell-Thick	SLU-STATICA	7.3487	-5.8255	21.30	-12.53
1292	Shell-Thick	SLU-SISMICA	20.6474	-6.6128	32.85	-18.99
1292	Shell-Thick	SLU-SISMICA	18.0540	-7.6359	32.85	-18.99
1292	Shell-Thick	SLU-SISMICA	11.9598	-10.5342	32.85	-18.99

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1292	Shell-Thick	SLE-RARA	9.4169	-2.3495	15.56	-9.18
1292	Shell-Thick	SLE-RARA	8.2646	-2.9079	15.56	-9.18
1292	Shell-Thick	SLE-RARA	5.3387	-4.1796	15.56	-9.18
1292	Shell-Thick	SLE-FREQ.	8.5509	-2.0207	14.23	-8.42
1292	Shell-Thick	SLE-FREQ.	7.5097	-2.5433	14.23	-8.42
1292	Shell-Thick	SLE-FREQ.	4.8281	-3.6896	14.23	-8.42
1292	Shell-Thick	SLE-QP	5.9529	-1.0344	10.23	-6.15
1292	Shell-Thick	SLE-QP	5.2451	-1.4495	10.23	-6.15
1292	Shell-Thick	SLE-QP	3.2964	-2.2195	10.23	-6.15
1293	Shell-Thick	SLU-STATICA	15.5238	-2.2726	22.20	-12.96
1293	Shell-Thick	SLU-STATICA	13.9228	-3.0708	22.20	-12.96
1293	Shell-Thick	SLU-STATICA	9.7277	-4.8487	22.20	-12.96
1293	Shell-Thick	SLU-SISMICA	25.0142	-4.9172	34.58	-19.88
1293	Shell-Thick	SLU-SISMICA	22.3597	-6.0167	34.58	-19.88
1293	Shell-Thick	SLU-SISMICA	15.9054	-8.9938	34.58	-19.88
1293	Shell-Thick	SLE-RARA	11.2901	-1.5903	16.21	-9.48
1293	Shell-Thick	SLE-RARA	10.1295	-2.1801	16.21	-9.48
1293	Shell-Thick	SLE-RARA	7.0632	-3.4675	16.21	-9.48
1293	Shell-Thick	SLE-FREQ.	10.2318	-1.3337	14.79	-8.67
1293	Shell-Thick	SLE-FREQ.	9.1864	-1.8842	14.79	-8.67
1293	Shell-Thick	SLE-FREQ.	6.3814	-3.0414	14.79	-8.67
1293	Shell-Thick	SLE-QP	7.0569	-0.5640	10.54	-6.27
1293	Shell-Thick	SLE-QP	6.3570	-0.9967	10.54	-6.27
1293	Shell-Thick	SLE-QP	4.3358	-1.7629	10.54	-6.27
1294	Shell-Thick	SLU-STATICA	18.0197	-1.2152	22.78	-13.17
1294	Shell-Thick	SLU-STATICA	16.4463	-2.0509	22.78	-13.17
1294	Shell-Thick	SLU-STATICA	12.1082	-3.8090	22.78	-13.17
1294	Shell-Thick	SLU-SISMICA	29.3198	-3.1391	35.89	-20.48
1294	Shell-Thick	SLU-SISMICA	26.6677	-4.3104	35.89	-20.48
1294	Shell-Thick	SLU-SISMICA	19.9193	-7.2992	35.89	-20.48
1294	Shell-Thick	SLE-RARA	13.0912	-0.8249	16.61	-9.62
1294	Shell-Thick	SLE-RARA	11.9527	-1.4415	16.61	-9.62
1294	Shell-Thick	SLE-RARA	8.7857	-2.7123	16.61	-9.62
1294	Shell-Thick	SLE-FREQ.	11.8397	-0.6465	15.12	-8.78
1294	Shell-Thick	SLE-FREQ.	10.8180	-1.2202	15.12	-8.78
1294	Shell-Thick	SLE-FREQ.	7.9271	-2.3586	15.12	-8.78
1294	Shell-Thick	SLE-QP	8.0854	-0.1111	10.66	-6.27
1294	Shell-Thick	SLE-QP	7.4139	-0.5565	10.66	-6.27
1294	Shell-Thick	SLE-QP	5.3515	-1.2975	10.66	-6.27
1295	Shell-Thick	SLU-STATICA	20.2398	-0.1804	22.94	-13.12
1295	Shell-Thick	SLU-STATICA	18.7481	-1.0471	22.94	-13.12
1295	Shell-Thick	SLU-STATICA	14.3327	-2.7279	22.94	-13.12
1295	Shell-Thick	SLU-SISMICA	33.2845	-1.3296	36.62	-20.70
1295	Shell-Thick	SLU-SISMICA	30.7199	-2.5688	36.62	-20.70
1295	Shell-Thick	SLU-SISMICA	23.7620	-5.4788	36.62	-20.70
1295	Shell-Thick	SLE-RARA	14.6865	-0.0794	16.70	-9.56
1295	Shell-Thick	SLE-RARA	13.6097	-0.7177	16.70	-9.56
1295	Shell-Thick	SLE-RARA	10.3906	-1.9300	16.70	-9.56
1295	Shell-Thick	SLE-FREQ.	13.2524	0.0170	15.16	-8.70
1295	Shell-Thick	SLE-FREQ.	12.2902	-0.5749	15.16	-8.70
1295	Shell-Thick	SLE-FREQ.	9.3595	-1.6563	15.16	-8.70
1295	Shell-Thick	SLE-QP	8.9499	0.3062	10.55	-6.12
1295	Shell-Thick	SLE-QP	8.3320	-0.1467	10.55	-6.12
1295	Shell-Thick	SLE-QP	6.2662	-0.8353	10.55	-6.12
1296	Shell-Thick	SLU-STATICA	21.9375	0.7887	22.58	-12.72
1296	Shell-Thick	SLU-STATICA	20.5994	-0.1030	22.58	-12.72
1296	Shell-Thick	SLU-STATICA	16.1873	-1.6299	22.58	-12.72
1296	Shell-Thick	SLU-SISMICA	36.5132	0.4436	36.62	-20.42
1296	Shell-Thick	SLU-SISMICA	34.1532	-0.8604	36.62	-20.42
1296	Shell-Thick	SLU-SISMICA	27.0943	-3.5674	36.62	-20.42
1296	Shell-Thick	SLE-RARA	15.8967	0.6148	16.41	-9.25
1296	Shell-Thick	SLE-RARA	14.9337	-0.0403	16.41	-9.25
1296	Shell-Thick	SLE-RARA	11.7223	-1.1385	16.41	-9.25
1296	Shell-Thick	SLE-FREQ.	14.3069	0.6280	14.85	-8.39
1296	Shell-Thick	SLE-FREQ.	13.4516	0.0230	14.85	-8.39
1296	Shell-Thick	SLE-FREQ.	10.5370	-0.9512	14.85	-8.39
1296	Shell-Thick	SLE-QP	9.5375	0.6676	10.18	-5.81
1296	Shell-Thick	SLE-QP	9.0054	0.2127	10.18	-5.81
1296	Shell-Thick	SLE-QP	6.9808	-0.3893	10.18	-5.81

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1297	Shell-Thick	SLU-STATICA	22.7601	1.6351	21.56	-11.88
1297	Shell-Thick	SLU-STATICA	21.6683	0.7266	21.56	-11.88
1297	Shell-Thick	SLU-STATICA	17.3637	-0.5479	21.56	-11.88
1297	Shell-Thick	SLU-SISMICA	38.4148	2.0858	35.61	-19.46
1297	Shell-Thick	SLU-SISMICA	36.4142	0.7225	35.61	-19.46
1297	Shell-Thick	SLU-SISMICA	29.4032	-1.6171	35.61	-19.46
1297	Shell-Thick	SLE-RARA	16.4662	1.2166	15.64	-8.62
1297	Shell-Thick	SLE-RARA	15.6842	0.5507	15.64	-8.62
1297	Shell-Thick	SLE-RARA	12.5573	-0.3619	15.64	-8.62
1297	Shell-Thick	SLE-FREQ.	14.7737	1.1495	14.09	-7.78
1297	Shell-Thick	SLE-FREQ.	14.0856	0.5375	14.09	-7.78
1297	Shell-Thick	SLE-FREQ.	11.2583	-0.2651	14.09	-7.78
1297	Shell-Thick	SLE-QP	9.6961	0.9484	9.47	-5.28
1297	Shell-Thick	SLE-QP	9.2900	0.4978	9.47	-5.28
1297	Shell-Thick	SLE-QP	7.3612	0.0253	9.47	-5.28
1298	Shell-Thick	SLU-STATICA	22.1613	2.2606	19.61	-10.38
1298	Shell-Thick	SLU-STATICA	21.3514	1.4057	19.61	-10.38
1298	Shell-Thick	SLU-STATICA	17.3445	0.4127	19.61	-10.38
1298	Shell-Thick	SLU-SISMICA	38.0372	3.4232	33.13	-17.44
1298	Shell-Thick	SLU-SISMICA	36.4476	2.1201	33.13	-17.44
1298	Shell-Thick	SLU-SISMICA	29.7881	0.1859	33.13	-17.44
1298	Shell-Thick	SLE-RARA	16.0014	1.6550	14.18	-7.52
1298	Shell-Thick	SLE-RARA	15.4266	1.0296	14.18	-7.52
1298	Shell-Thick	SLE-RARA	12.5226	0.3240	14.18	-7.52
1298	Shell-Thick	SLE-FREQ.	14.3022	1.5186	12.72	-6.75
1298	Shell-Thick	SLE-FREQ.	13.8056	0.9455	12.72	-6.75
1298	Shell-Thick	SLE-FREQ.	11.1912	0.3347	12.72	-6.75
1298	Shell-Thick	SLE-QP	9.2045	1.1096	8.34	-4.45
1298	Shell-Thick	SLE-QP	8.9427	0.6932	8.34	-4.45
1298	Shell-Thick	SLE-QP	7.1970	0.3666	8.34	-4.45
1299	Shell-Thick	SLU-STATICA	18.1577	1.5391	15.79	-5.39
1299	Shell-Thick	SLU-STATICA	18.7861	0.6583	15.79	-5.39
1299	Shell-Thick	SLU-STATICA	14.9197	1.0169	15.79	-5.39
1299	Shell-Thick	SLU-SISMICA	31.8099	2.4496	27.47	-9.28
1299	Shell-Thick	SLU-SISMICA	32.6934	1.0515	27.47	-9.28
1299	Shell-Thick	SLU-SISMICA	26.0717	1.4319	27.47	-9.28
1299	Shell-Thick	SLE-RARA	13.0786	1.1209	11.38	-3.89
1299	Shell-Thick	SLE-RARA	13.5421	0.4792	11.38	-3.89
1299	Shell-Thick	SLE-RARA	10.7496	0.7498	11.38	-3.89
1299	Shell-Thick	SLE-FREQ.	11.6341	1.0184	10.14	-3.47
1299	Shell-Thick	SLE-FREQ.	12.0652	0.4351	10.14	-3.47
1299	Shell-Thick	SLE-FREQ.	9.5681	0.6972	10.14	-3.47
1299	Shell-Thick	SLE-QP	7.3008	0.7110	6.42	-2.23
1299	Shell-Thick	SLE-QP	7.6348	0.3027	6.42	-2.23
1299	Shell-Thick	SLE-QP	6.0235	0.5394	6.42	-2.23
1300	Shell-Thick	SLU-STATICA	-2.8763	1.2689	-5.53	1.93
1300	Shell-Thick	SLU-STATICA	-3.2713	1.6173	-5.53	1.93
1300	Shell-Thick	SLU-STATICA	-2.2460	1.2538	-5.53	1.93
1300	Shell-Thick	SLU-SISMICA	-4.8148	1.9856	-8.02	2.99
1300	Shell-Thick	SLU-SISMICA	-5.4798	2.5651	-8.02	2.99
1300	Shell-Thick	SLU-SISMICA	-3.9484	1.9229	-8.02	2.99
1300	Shell-Thick	SLE-RARA	-2.0829	0.9258	-4.07	1.41
1300	Shell-Thick	SLE-RARA	-2.3687	1.1783	-4.07	1.41
1300	Shell-Thick	SLE-RARA	-1.6171	0.9168	-4.07	1.41
1300	Shell-Thick	SLE-FREQ.	-1.8722	0.8441	-3.77	1.28
1300	Shell-Thick	SLE-FREQ.	-2.1289	1.0713	-3.77	1.28
1300	Shell-Thick	SLE-FREQ.	-1.4373	0.8392	-3.77	1.28
1300	Shell-Thick	SLE-QP	-1.2402	0.5989	-2.85	0.92
1300	Shell-Thick	SLE-QP	-1.4092	0.7505	-2.85	0.92
1300	Shell-Thick	SLE-QP	-0.8980	0.6064	-2.85	0.92
1301	Shell-Thick	SLU-STATICA	-4.5611	2.0655	-7.88	4.24
1301	Shell-Thick	SLU-STATICA	-3.4298	1.9704	-7.88	4.24
1301	Shell-Thick	SLU-STATICA	-2.2214	3.2639	-7.88	4.24
1301	Shell-Thick	SLU-SISMICA	-7.5340	3.2562	-11.63	6.62
1301	Shell-Thick	SLU-SISMICA	-5.7131	3.0963	-11.63	6.62
1301	Shell-Thick	SLU-SISMICA	-4.0078	5.1401	-11.63	6.62
1301	Shell-Thick	SLE-RARA	-3.3080	1.5058	-5.79	3.09
1301	Shell-Thick	SLE-RARA	-2.4851	1.4370	-5.79	3.09
1301	Shell-Thick	SLE-RARA	-1.5942	2.3797	-5.79	3.09

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1301	Shell-Thick	SLE-FREQ.	-2.9821	1.3708	-5.34	2.82
1301	Shell-Thick	SLE-FREQ.	-2.2362	1.3090	-5.34	2.82
1301	Shell-Thick	SLE-FREQ.	-1.4081	2.1669	-5.34	2.82
1301	Shell-Thick	SLE-QP	-2.0044	0.9658	-3.99	2.00
1301	Shell-Thick	SLE-QP	-1.4894	0.9251	-3.99	2.00
1301	Shell-Thick	SLE-QP	-0.8497	1.5283	-3.99	2.00
1302	Shell-Thick	SLU-STATICA	-4.6354	2.5035	-9.57	5.48
1302	Shell-Thick	SLU-STATICA	-3.6865	2.6840	-9.57	5.48
1302	Shell-Thick	SLU-STATICA	-2.0081	3.7493	-9.57	5.48
1302	Shell-Thick	SLU-SISMICA	-7.6699	4.0005	-14.17	8.54
1302	Shell-Thick	SLU-SISMICA	-6.1308	4.2684	-14.17	8.54
1302	Shell-Thick	SLU-SISMICA	-3.7116	5.9564	-14.17	8.54
1302	Shell-Thick	SLE-RARA	-3.3612	1.8224	-7.02	4.00
1302	Shell-Thick	SLE-RARA	-2.6717	1.9548	-7.02	4.00
1302	Shell-Thick	SLE-RARA	-1.4368	2.7310	-7.02	4.00
1302	Shell-Thick	SLE-FREQ.	-3.0290	1.6545	-6.47	3.65
1302	Shell-Thick	SLE-FREQ.	-2.4049	1.7764	-6.47	3.65
1302	Shell-Thick	SLE-FREQ.	-1.2614	2.4823	-6.47	3.65
1302	Shell-Thick	SLE-QP	-2.0322	1.1506	-4.81	2.60
1302	Shell-Thick	SLE-QP	-1.6047	1.2412	-4.81	2.60
1302	Shell-Thick	SLE-QP	-0.7351	1.7361	-4.81	2.60
1303	Shell-Thick	SLU-STATICA	-4.4687	3.1985	-10.96	6.36
1303	Shell-Thick	SLU-STATICA	-3.4868	3.4778	-10.96	6.36
1303	Shell-Thick	SLU-STATICA	-1.5110	4.5736	-10.96	6.36
1303	Shell-Thick	SLU-SISMICA	-7.4117	5.1645	-16.23	9.85
1303	Shell-Thick	SLU-SISMICA	-5.8206	5.5787	-16.23	9.85
1303	Shell-Thick	SLU-SISMICA	-2.9650	7.3141	-16.23	9.85
1303	Shell-Thick	SLE-RARA	-3.2395	2.3257	-8.05	4.64
1303	Shell-Thick	SLE-RARA	-2.5258	2.5306	-8.05	4.64
1303	Shell-Thick	SLE-RARA	-1.0725	3.3290	-8.05	4.64
1303	Shell-Thick	SLE-FREQ.	-2.9177	2.1067	-7.41	4.24
1303	Shell-Thick	SLE-FREQ.	-2.2718	2.2955	-7.41	4.24
1303	Shell-Thick	SLE-FREQ.	-0.9265	3.0217	-7.41	4.24
1303	Shell-Thick	SLE-QP	-1.9525	1.4500	-5.52	3.04
1303	Shell-Thick	SLE-QP	-1.5096	1.5903	-5.52	3.04
1303	Shell-Thick	SLE-QP	-0.4887	2.0998	-5.52	3.04
1304	Shell-Thick	SLU-STATICA	-4.1142	3.8745	-12.13	7.10
1304	Shell-Thick	SLU-STATICA	-3.0874	4.2295	-12.13	7.10
1304	Shell-Thick	SLU-STATICA	-0.8724	5.3686	-12.13	7.10
1304	Shell-Thick	SLU-SISMICA	-6.8578	6.2900	-17.91	10.94
1304	Shell-Thick	SLU-SISMICA	-5.1996	6.8138	-17.91	10.94
1304	Shell-Thick	SLU-SISMICA	-2.0000	8.6134	-17.91	10.94
1304	Shell-Thick	SLE-RARA	-2.9808	2.8155	-8.90	5.19
1304	Shell-Thick	SLE-RARA	-2.2342	3.0761	-8.90	5.19
1304	Shell-Thick	SLE-RARA	-0.6048	3.9063	-8.90	5.19
1304	Shell-Thick	SLE-FREQ.	-2.6818	2.5476	-8.21	4.75
1304	Shell-Thick	SLE-FREQ.	-2.0056	2.7879	-8.21	4.75
1304	Shell-Thick	SLE-FREQ.	-0.4973	3.5434	-8.21	4.75
1304	Shell-Thick	SLE-QP	-1.7849	1.7438	-6.12	3.42
1304	Shell-Thick	SLE-QP	-1.3196	1.9232	-6.12	3.42
1304	Shell-Thick	SLE-QP	-0.1745	2.4544	-6.12	3.42
1305	Shell-Thick	SLU-STATICA	-3.6254	4.5303	-13.08	7.73
1305	Shell-Thick	SLU-STATICA	-2.5555	4.9456	-13.08	7.73
1305	Shell-Thick	SLU-STATICA	-0.1474	6.1264	-13.08	7.73
1305	Shell-Thick	SLU-SISMICA	-6.0962	7.3708	-19.26	11.83
1305	Shell-Thick	SLU-SISMICA	-4.3751	7.9804	-19.26	11.83
1305	Shell-Thick	SLU-SISMICA	-0.9014	9.8404	-19.26	11.83
1305	Shell-Thick	SLE-RARA	-2.6240	3.2913	-9.60	5.65
1305	Shell-Thick	SLE-RARA	-1.8458	3.5963	-9.60	5.65
1305	Shell-Thick	SLE-RARA	-0.0741	4.4571	-9.60	5.65
1305	Shell-Thick	SLE-FREQ.	-2.3563	2.9767	-8.86	5.17
1305	Shell-Thick	SLE-FREQ.	-1.6507	3.2582	-8.86	5.17
1305	Shell-Thick	SLE-FREQ.	-0.0103	4.0420	-8.86	5.17
1305	Shell-Thick	SLE-QP	-1.5530	2.0330	-6.62	3.74
1305	Shell-Thick	SLE-QP	-1.0656	2.2440	-6.62	3.74
1305	Shell-Thick	SLE-QP	0.1811	2.7966	-6.62	3.74
1306	Shell-Thick	SLU-STATICA	-3.0379	5.1573	-13.83	8.23
1306	Shell-Thick	SLU-STATICA	-1.9330	5.6218	-13.83	8.23
1306	Shell-Thick	SLU-STATICA	0.6271	6.8354	-13.83	8.23

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1306	Shell-Thick	SLU-SISMICA	-5.1817	8.3923	-20.33	12.54
1306	Shell-Thick	SLU-SISMICA	-3.4107	9.0713	-20.33	12.54
1306	Shell-Thick	SLU-SISMICA	0.2771	10.9782	-20.33	12.54
1306	Shell-Thick	SLE-RARA	-2.1951	3.7467	-10.16	6.02
1306	Shell-Thick	SLE-RARA	-1.3911	4.0880	-10.16	6.02
1306	Shell-Thick	SLE-RARA	0.4926	4.9730	-10.16	6.02
1306	Shell-Thick	SLE-FREQ.	-1.9648	3.3885	-9.37	5.52
1306	Shell-Thick	SLE-FREQ.	-1.2354	3.7037	-9.37	5.52
1306	Shell-Thick	SLE-FREQ.	0.5092	4.5099	-9.37	5.52
1306	Shell-Thick	SLE-QP	-1.2739	2.3138	-7.02	4.01
1306	Shell-Thick	SLE-QP	-0.7682	2.5509	-7.02	4.01
1306	Shell-Thick	SLE-QP	0.5591	3.1207	-7.02	4.01
1307	Shell-Thick	SLU-STATICA	-2.3806	5.7459	-14.39	8.62
1307	Shell-Thick	SLU-STATICA	-1.2485	6.2487	-14.39	8.62
1307	Shell-Thick	SLU-STATICA	1.4239	7.4867	-14.39	8.62
1307	Shell-Thick	SLU-SISMICA	-4.1566	9.3401	-21.11	13.09
1307	Shell-Thick	SLU-SISMICA	-2.3472	10.0726	-21.11	13.09
1307	Shell-Thick	SLU-SISMICA	1.4979	12.0140	-21.11	13.09
1307	Shell-Thick	SLE-RARA	-1.7154	4.1748	-10.57	6.31
1307	Shell-Thick	SLE-RARA	-0.8913	4.5443	-10.57	6.31
1307	Shell-Thick	SLE-RARA	1.0752	5.4474	-10.57	6.31
1307	Shell-Thick	SLE-FREQ.	-1.5271	3.7765	-9.76	5.79
1307	Shell-Thick	SLE-FREQ.	-0.7790	4.1180	-9.76	5.79
1307	Shell-Thick	SLE-FREQ.	1.0426	4.9410	-9.76	5.79
1307	Shell-Thick	SLE-QP	-0.9624	2.5815	-7.32	4.22
1307	Shell-Thick	SLE-QP	-0.4422	2.8391	-7.32	4.22
1307	Shell-Thick	SLE-QP	0.9448	3.4218	-7.32	4.22
1308	Shell-Thick	SLU-STATICA	-1.6754	6.2891	-14.77	8.90
1308	Shell-Thick	SLU-STATICA	-0.5166	6.8157	-14.77	8.90
1308	Shell-Thick	SLU-STATICA	2.2277	8.0782	-14.77	8.90
1308	Shell-Thick	SLU-SISMICA	-3.0506	10.2043	-21.64	13.47
1308	Shell-Thick	SLU-SISMICA	-1.2027	10.9694	-21.64	13.47
1308	Shell-Thick	SLU-SISMICA	2.7419	12.9464	-21.64	13.47
1308	Shell-Thick	SLE-RARA	-1.2010	4.5704	-10.85	6.51
1308	Shell-Thick	SLE-RARA	-0.3573	4.9576	-10.85	6.51
1308	Shell-Thick	SLE-RARA	1.6624	5.8786	-10.85	6.51
1308	Shell-Thick	SLE-FREQ.	-1.0583	4.1360	-10.02	5.98
1308	Shell-Thick	SLE-FREQ.	-0.2921	4.4940	-10.02	5.98
1308	Shell-Thick	SLE-FREQ.	1.5792	5.3336	-10.02	5.98
1308	Shell-Thick	SLE-QP	-0.6304	2.8327	-7.52	4.37
1308	Shell-Thick	SLE-QP	-0.0965	3.1033	-7.52	4.37
1308	Shell-Thick	SLE-QP	1.3294	3.6986	-7.52	4.37
1309	Shell-Thick	SLU-STATICA	-0.9201	6.7874	-15.03	9.07
1309	Shell-Thick	SLU-STATICA	0.2764	7.3174	-15.03	9.07
1309	Shell-Thick	SLU-STATICA	3.0589	8.6193	-15.03	9.07
1309	Shell-Thick	SLU-SISMICA	-1.8546	10.9867	-21.98	13.71
1309	Shell-Thick	SLU-SISMICA	0.0497	11.7539	-21.98	13.71
1309	Shell-Thick	SLU-SISMICA	4.0438	13.7899	-21.98	13.71
1309	Shell-Thick	SLE-RARA	-0.6507	4.9339	-11.04	6.64
1309	Shell-Thick	SLE-RARA	0.2207	5.3236	-11.04	6.64
1309	Shell-Thick	SLE-RARA	2.2688	6.2735	-11.04	6.64
1309	Shell-Thick	SLE-FREQ.	-0.5578	4.4671	-10.19	6.10
1309	Shell-Thick	SLE-FREQ.	0.2339	4.8277	-10.19	6.10
1309	Shell-Thick	SLE-FREQ.	2.1319	5.6939	-10.19	6.10
1309	Shell-Thick	SLE-QP	-0.2793	3.0669	-7.66	4.46
1309	Shell-Thick	SLE-QP	0.2735	3.3402	-7.66	4.46
1309	Shell-Thick	SLE-QP	1.7213	3.9551	-7.66	4.46
1310	Shell-Thick	SLU-STATICA	-0.5047	7.2248	-15.38	9.22
1310	Shell-Thick	SLU-STATICA	1.0865	7.5517	-15.38	9.22
1310	Shell-Thick	SLU-STATICA	3.7512	9.2993	-15.38	9.22
1310	Shell-Thick	SLU-SISMICA	-1.1966	11.6602	-22.45	13.92
1310	Shell-Thick	SLU-SISMICA	1.3356	12.1009	-22.45	13.92
1310	Shell-Thick	SLU-SISMICA	5.1206	14.8441	-22.45	13.92
1310	Shell-Thick	SLE-RARA	-0.3480	5.2535	-11.30	6.76
1310	Shell-Thick	SLE-RARA	0.8108	5.4955	-11.30	6.76
1310	Shell-Thick	SLE-RARA	2.7742	6.7702	-11.30	6.76
1310	Shell-Thick	SLE-FREQ.	-0.2825	4.7595	-10.44	6.20
1310	Shell-Thick	SLE-FREQ.	0.7704	4.9862	-10.44	6.20
1310	Shell-Thick	SLE-FREQ.	2.5933	6.1476	-10.44	6.20

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1310	Shell-Thick	SLE-QP	-0.0862	3.2773	-7.86	4.55
1310	Shell-Thick	SLE-QP	0.6490	3.4581	-7.86	4.55
1310	Shell-Thick	SLE-QP	2.0505	4.2798	-7.86	4.55
1311	Shell-Thick	SLU-STATICA	0.0591	7.7901	-17.62	9.48
1311	Shell-Thick	SLU-STATICA	2.7478	7.3209	-17.62	9.48
1311	Shell-Thick	SLU-STATICA	4.8104	10.3808	-17.62	9.48
1311	Shell-Thick	SLU-SISMICA	-0.3219	12.5066	-25.48	14.22
1311	Shell-Thick	SLU-SISMICA	3.9331	11.6999	-25.48	14.22
1311	Shell-Thick	SLU-SISMICA	6.7306	16.4944	-25.48	14.22
1311	Shell-Thick	SLE-RARA	0.0638	5.6679	-12.96	6.95
1311	Shell-Thick	SLE-RARA	2.0230	5.3291	-12.96	6.95
1311	Shell-Thick	SLE-RARA	3.5493	7.5613	-12.96	6.95
1311	Shell-Thick	SLE-FREQ.	0.0935	5.1405	-12.00	6.39
1311	Shell-Thick	SLE-FREQ.	1.8758	4.8378	-12.00	6.39
1311	Shell-Thick	SLE-FREQ.	3.3040	6.8725	-12.00	6.39
1311	Shell-Thick	SLE-QP	0.1827	3.5584	-9.10	4.71
1311	Shell-Thick	SLE-QP	1.4339	3.3640	-9.10	4.71
1311	Shell-Thick	SLE-QP	2.5681	4.8059	-9.10	4.71
1312	Shell-Thick	SLU-STATICA	0.3376	8.3811	-15.35	9.76
1312	Shell-Thick	SLU-STATICA	0.5801	8.7821	-14.93	9.76
1312	Shell-Thick	SLU-STATICA	2.8363	9.0333	-14.93	8.91
1312	Shell-Thick	SLU-STATICA	2.6247	8.0377	-15.35	8.91
1312	Shell-Thick	SLU-SISMICA	0.1780	13.6146	-22.32	15.54
1312	Shell-Thick	SLU-SISMICA	0.5598	14.2071	-21.20	15.54
1312	Shell-Thick	SLU-SISMICA	3.7994	14.3869	-21.20	13.30
1312	Shell-Thick	SLU-SISMICA	3.4682	12.8217	-22.32	13.30
1312	Shell-Thick	SLE-RARA	0.2638	6.0899	-11.29	7.11
1312	Shell-Thick	SLE-RARA	0.4405	6.3843	-11.00	7.11
1312	Shell-Thick	SLE-RARA	2.1011	6.5782	-11.00	6.53
1312	Shell-Thick	SLE-RARA	1.9468	5.8521	-11.29	6.53
1312	Shell-Thick	SLE-FREQ.	0.2704	5.5097	-10.43	6.46
1312	Shell-Thick	SLE-FREQ.	0.4313	5.7810	-10.21	6.46
1312	Shell-Thick	SLE-FREQ.	1.9702	5.9760	-10.21	6.01
1312	Shell-Thick	SLE-FREQ.	1.8295	5.3147	-10.43	6.01
1312	Shell-Thick	SLE-QP	0.2903	3.7689	-7.88	4.50
1312	Shell-Thick	SLE-QP	0.4038	3.9713	-7.85	4.50
1312	Shell-Thick	SLE-QP	1.5773	4.1696	-7.85	4.45
1312	Shell-Thick	SLE-QP	1.4775	3.7023	-7.88	4.45
1313	Shell-Thick	SLU-STATICA	-3.1491	0.3948	-5.84	2.29
1313	Shell-Thick	SLU-STATICA	-4.4551	0.6037	-7.26	2.29
1313	Shell-Thick	SLU-STATICA	-3.8420	2.6500	-7.26	3.92
1313	Shell-Thick	SLU-STATICA	-2.4560	2.3186	-5.84	3.92
1313	Shell-Thick	SLU-SISMICA	-5.2611	0.5458	-8.50	4.12
1313	Shell-Thick	SLU-SISMICA	-7.3618	0.8911	-10.24	4.12
1313	Shell-Thick	SLU-SISMICA	-6.4915	4.1775	-10.24	6.11
1313	Shell-Thick	SLU-SISMICA	-4.2613	3.6343	-8.50	6.11
1313	Shell-Thick	SLE-RARA	-2.2810	0.2916	-4.29	1.65
1313	Shell-Thick	SLE-RARA	-3.2310	0.4431	-5.35	1.65
1313	Shell-Thick	SLE-RARA	-2.7792	1.9319	-5.35	2.86
1313	Shell-Thick	SLE-RARA	-1.7710	1.6913	-4.29	2.86
1313	Shell-Thick	SLE-FREQ.	-2.0511	0.2720	-3.96	1.46
1313	Shell-Thick	SLE-FREQ.	-2.9125	0.4086	-4.97	1.46
1313	Shell-Thick	SLE-FREQ.	-2.4930	1.7587	-4.97	2.61
1313	Shell-Thick	SLE-FREQ.	-1.5790	1.5415	-3.96	2.61
1313	Shell-Thick	SLE-QP	-1.3617	0.2133	-2.99	0.89
1313	Shell-Thick	SLE-QP	-1.9568	0.3049	-3.84	0.89
1313	Shell-Thick	SLE-QP	-1.6342	1.2392	-3.84	1.86
1313	Shell-Thick	SLE-QP	-1.0029	1.0920	-2.99	1.86
1314	Shell-Thick	SLU-STATICA	-4.5589	1.1723	-7.09	3.22
1314	Shell-Thick	SLU-STATICA	-3.8820	1.4988	-7.74	3.22
1314	Shell-Thick	SLU-STATICA	-3.1330	1.9280	-7.74	3.97
1314	Shell-Thick	SLU-STATICA	-3.8286	1.6295	-7.09	3.97
1314	Shell-Thick	SLU-SISMICA	-7.5121	1.8128	-9.98	6.18
1314	Shell-Thick	SLU-SISMICA	-6.3761	2.4072	-10.71	6.18
1314	Shell-Thick	SLU-SISMICA	-5.3298	3.0411	-10.71	7.01
1314	Shell-Thick	SLU-SISMICA	-6.4944	2.4897	-9.98	7.01
1314	Shell-Thick	SLE-RARA	-3.3073	0.8564	-5.23	2.29
1314	Shell-Thick	SLE-RARA	-2.8173	1.0904	-5.72	2.29
1314	Shell-Thick	SLE-RARA	-2.2646	1.4054	-5.72	2.86

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1314	Shell-Thick	SLE-RARA	-2.7682	1.1919	-5.23	2.86
1314	Shell-Thick	SLE-FREQ.	-2.9831	0.7827	-4.86	1.99
1314	Shell-Thick	SLE-FREQ.	-2.5429	0.9889	-5.33	1.99
1314	Shell-Thick	SLE-FREQ.	-2.0282	1.2793	-5.33	2.54
1314	Shell-Thick	SLE-FREQ.	-2.4809	1.0918	-4.86	2.54
1314	Shell-Thick	SLE-QP	-2.0103	0.5614	-3.76	1.10
1314	Shell-Thick	SLE-QP	-1.7196	0.6842	-4.18	1.10
1314	Shell-Thick	SLE-QP	-1.3191	0.9009	-4.18	1.58
1314	Shell-Thick	SLE-QP	-1.6189	0.7916	-3.76	1.58
1315	Shell-Thick	SLU-STATICA	-4.0066	0.9509	-7.73	3.96
1315	Shell-Thick	SLU-STATICA	-4.5455	1.2446	-8.19	3.96
1315	Shell-Thick	SLU-STATICA	-3.7994	2.1336	-8.19	4.49
1315	Shell-Thick	SLU-STATICA	-3.1648	1.6941	-7.73	4.49
1315	Shell-Thick	SLU-SISMICA	-6.5662	1.5047	-10.70	7.93
1315	Shell-Thick	SLU-SISMICA	-7.3918	2.0937	-11.12	7.93
1315	Shell-Thick	SLU-SISMICA	-6.3827	3.4797	-11.12	8.41
1315	Shell-Thick	SLU-SISMICA	-5.3985	2.6496	-10.70	8.41
1315	Shell-Thick	SLE-RARA	-2.9084	0.6930	-5.71	2.80
1315	Shell-Thick	SLE-RARA	-3.3024	0.9008	-6.06	2.80
1315	Shell-Thick	SLE-RARA	-2.7502	1.5497	-6.06	3.20
1315	Shell-Thick	SLE-RARA	-2.2868	1.2361	-5.71	3.20
1315	Shell-Thick	SLE-FREQ.	-2.6264	0.6304	-5.32	2.40
1315	Shell-Thick	SLE-FREQ.	-2.9871	0.8088	-5.67	2.40
1315	Shell-Thick	SLE-FREQ.	-2.4701	1.4008	-5.67	2.80
1315	Shell-Thick	SLE-FREQ.	-2.0469	1.1271	-5.32	2.80
1315	Shell-Thick	SLE-QP	-1.7802	0.4426	-4.17	1.22
1315	Shell-Thick	SLE-QP	-2.0411	0.5329	-4.50	1.22
1315	Shell-Thick	SLE-QP	-1.6298	0.9543	-4.50	1.60
1315	Shell-Thick	SLE-QP	-1.3270	0.8001	-4.17	1.60
1316	Shell-Thick	SLU-STATICA	-4.6444	1.0704	-8.14	4.90
1316	Shell-Thick	SLU-STATICA	-3.9971	1.5353	-8.48	4.90
1316	Shell-Thick	SLU-STATICA	-3.1533	2.0804	-8.48	5.29
1316	Shell-Thick	SLU-STATICA	-3.8300	1.6601	-8.14	5.29
1316	Shell-Thick	SLU-SISMICA	-7.5434	1.8123	-11.04	9.93
1316	Shell-Thick	SLU-SISMICA	-6.4129	2.7216	-11.33	9.93
1316	Shell-Thick	SLU-SISMICA	-5.2754	3.5180	-11.33	10.26
1316	Shell-Thick	SLU-SISMICA	-6.4487	2.6736	-11.04	10.26
1316	Shell-Thick	SLE-RARA	-3.3748	0.7742	-6.02	3.46
1316	Shell-Thick	SLE-RARA	-2.9084	1.1043	-6.29	3.46
1316	Shell-Thick	SLE-RARA	-2.2836	1.5048	-6.29	3.76
1316	Shell-Thick	SLE-RARA	-2.7717	1.2074	-6.02	3.76
1316	Shell-Thick	SLE-FREQ.	-3.0533	0.6941	-5.63	2.96
1316	Shell-Thick	SLE-FREQ.	-2.6381	0.9795	-5.90	2.96
1316	Shell-Thick	SLE-FREQ.	-2.0529	1.3495	-5.90	3.26
1316	Shell-Thick	SLE-FREQ.	-2.4881	1.0944	-5.63	3.26
1316	Shell-Thick	SLE-QP	-2.0890	0.4539	-4.47	1.46
1316	Shell-Thick	SLE-QP	-1.8274	0.6054	-4.73	1.46
1316	Shell-Thick	SLE-QP	-1.3608	0.8838	-4.73	1.76
1316	Shell-Thick	SLE-QP	-1.6375	0.7552	-4.47	1.76
1317	Shell-Thick	SLU-STATICA	-4.1032	1.1706	-8.46	5.86
1317	Shell-Thick	SLU-STATICA	-4.3521	1.6211	-8.66	5.86
1317	Shell-Thick	SLU-STATICA	-3.5433	2.2504	-8.66	6.10
1317	Shell-Thick	SLU-STATICA	-3.2038	1.6621	-8.46	6.10
1317	Shell-Thick	SLU-SISMICA	-6.5788	2.1240	-11.29	11.89
1317	Shell-Thick	SLU-SISMICA	-6.9136	3.0440	-11.38	11.89
1317	Shell-Thick	SLU-SISMICA	-5.8597	3.9659	-11.38	11.99
1317	Shell-Thick	SLU-SISMICA	-5.3705	2.8112	-11.29	11.99
1317	Shell-Thick	SLE-RARA	-2.9858	0.8395	-6.27	4.14
1317	Shell-Thick	SLE-RARA	-3.1701	1.1575	-6.43	4.14
1317	Shell-Thick	SLE-RARA	-2.5694	1.6198	-6.43	4.33
1317	Shell-Thick	SLE-RARA	-2.3197	1.2022	-6.27	4.33
1317	Shell-Thick	SLE-FREQ.	-2.7087	0.7404	-5.88	3.54
1317	Shell-Thick	SLE-FREQ.	-2.8814	1.0120	-6.05	3.54
1317	Shell-Thick	SLE-FREQ.	-2.3157	1.4389	-6.05	3.74
1317	Shell-Thick	SLE-FREQ.	-2.0844	1.0781	-5.88	3.74
1317	Shell-Thick	SLE-QP	-1.8775	0.4433	-4.72	1.75
1317	Shell-Thick	SLE-QP	-2.0154	0.5756	-4.90	1.75
1317	Shell-Thick	SLE-QP	-1.5546	0.8961	-4.90	1.96
1317	Shell-Thick	SLE-QP	-1.3786	0.7059	-4.72	1.96



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1318	Shell-Thick	SLU-STATICA	-4.4453	1.2513	-8.65	7.05
1318	Shell-Thick	SLU-STATICA	-3.7787	1.8991	-8.79	7.05
1318	Shell-Thick	SLU-STATICA	-2.8898	2.4901	-8.79	7.21
1318	Shell-Thick	SLU-STATICA	-3.5941	1.8994	-8.65	7.21
1318	Shell-Thick	SLU-SISMICA	-7.0612	2.4414	-11.36	14.11
1318	Shell-Thick	SLU-SISMICA	-5.8801	3.7080	-11.38	14.11
1318	Shell-Thick	SLU-SISMICA	-4.7197	4.5529	-11.38	14.14
1318	Shell-Thick	SLU-SISMICA	-5.9527	3.3652	-11.36	14.14
1318	Shell-Thick	SLE-RARA	-3.2381	0.8888	-6.42	4.99
1318	Shell-Thick	SLE-RARA	-2.7586	1.3489	-6.53	4.99
1318	Shell-Thick	SLE-RARA	-2.0985	1.7841	-6.53	5.12
1318	Shell-Thick	SLE-RARA	-2.6059	1.3663	-6.42	5.12
1318	Shell-Thick	SLE-FREQ.	-2.9433	0.7691	-6.04	4.28
1318	Shell-Thick	SLE-FREQ.	-2.5179	1.1670	-6.16	4.28
1318	Shell-Thick	SLE-FREQ.	-1.8964	1.5705	-6.16	4.42
1318	Shell-Thick	SLE-FREQ.	-2.3478	1.2121	-6.04	4.42
1318	Shell-Thick	SLE-QP	-2.0588	0.4100	-4.89	2.17
1318	Shell-Thick	SLE-QP	-1.7957	0.6212	-5.04	2.17
1318	Shell-Thick	SLE-QP	-1.2900	0.9300	-5.04	2.34
1318	Shell-Thick	SLE-QP	-1.5735	0.7497	-4.89	2.34
1319	Shell-Thick	SLU-STATICA	-3.8727	1.6192	-8.76	8.29
1319	Shell-Thick	SLU-STATICA	-3.9221	2.2825	-8.81	8.29
1319	Shell-Thick	SLU-STATICA	-3.0847	2.7459	-8.81	8.35
1319	Shell-Thick	SLU-STATICA	-2.9571	1.9637	-8.76	8.35
1319	Shell-Thick	SLU-SISMICA	-6.0312	3.2566	-11.33	16.34
1319	Shell-Thick	SLU-SISMICA	-6.0308	4.5652	-11.23	16.34
1319	Shell-Thick	SLU-SISMICA	-4.9748	5.1841	-11.23	16.22
1319	Shell-Thick	SLU-SISMICA	-4.8366	3.6648	-11.33	16.22
1319	Shell-Thick	SLE-RARA	-2.8269	1.1453	-6.51	5.88
1319	Shell-Thick	SLE-RARA	-2.8669	1.6158	-6.55	5.88
1319	Shell-Thick	SLE-RARA	-2.2432	1.9592	-6.55	5.93
1319	Shell-Thick	SLE-RARA	-2.1471	1.4032	-6.51	5.93
1319	Shell-Thick	SLE-FREQ.	-2.5798	0.9825	-6.14	5.08
1319	Shell-Thick	SLE-FREQ.	-2.6229	1.3884	-6.19	5.08
1319	Shell-Thick	SLE-FREQ.	-2.0326	1.7105	-6.19	5.14
1319	Shell-Thick	SLE-FREQ.	-1.9397	1.2288	-6.14	5.14
1319	Shell-Thick	SLE-QP	-1.8386	0.4941	-5.02	2.66
1319	Shell-Thick	SLE-QP	-1.8909	0.7061	-5.11	2.66
1319	Shell-Thick	SLE-QP	-1.4006	0.9645	-5.11	2.76
1319	Shell-Thick	SLE-QP	-1.3175	0.7057	-5.02	2.76
1320	Shell-Thick	SLU-STATICA	-4.0052	1.8184	-8.81	9.77
1320	Shell-Thick	SLU-STATICA	-3.3262	2.7009	-8.81	9.77
1320	Shell-Thick	SLU-STATICA	-2.4246	3.2885	-8.81	9.76
1320	Shell-Thick	SLU-STATICA	-3.1487	2.4745	-8.81	9.76
1320	Shell-Thick	SLU-SISMICA	-6.1667	3.8101	-11.24	18.82
1320	Shell-Thick	SLU-SISMICA	-4.9605	5.4824	-11.08	18.82
1320	Shell-Thick	SLU-SISMICA	-3.8179	6.3012	-11.08	18.64
1320	Shell-Thick	SLU-SISMICA	-5.0831	4.7187	-11.24	18.64
1320	Shell-Thick	SLE-RARA	-2.9272	1.2786	-6.56	6.95
1320	Shell-Thick	SLE-RARA	-2.4389	1.9080	-6.56	6.95
1320	Shell-Thick	SLE-RARA	-1.7678	2.3417	-6.56	6.95
1320	Shell-Thick	SLE-RARA	-2.2895	1.7632	-6.56	6.95
1320	Shell-Thick	SLE-FREQ.	-2.6774	1.0834	-6.20	6.04
1320	Shell-Thick	SLE-FREQ.	-2.2445	1.6324	-6.21	6.04
1320	Shell-Thick	SLE-FREQ.	-1.6097	2.0364	-6.21	6.05
1320	Shell-Thick	SLE-FREQ.	-2.0741	1.5353	-6.20	6.05
1320	Shell-Thick	SLE-QP	-1.9280	0.4978	-5.12	3.29
1320	Shell-Thick	SLE-QP	-1.6611	0.8055	-5.17	3.29
1320	Shell-Thick	SLE-QP	-1.1354	1.1204	-5.17	3.35
1320	Shell-Thick	SLE-QP	-1.4278	0.8516	-5.12	3.35
1321	Shell-Thick	SLU-STATICA	-3.4060	2.4801	-8.78	11.33
1321	Shell-Thick	SLU-STATICA	-3.2815	3.4137	-8.69	11.33
1321	Shell-Thick	SLU-STATICA	-2.4404	3.7408	-8.69	11.23
1321	Shell-Thick	SLU-STATICA	-2.5037	2.7144	-8.78	11.23
1321	Shell-Thick	SLU-SISMICA	-5.0933	5.1339	-11.03	21.34
1321	Shell-Thick	SLU-SISMICA	-4.8092	6.8871	-10.77	21.34
1321	Shell-Thick	SLU-SISMICA	-3.7795	7.2654	-10.77	21.05
1321	Shell-Thick	SLU-SISMICA	-3.9478	5.3364	-11.03	21.05
1321	Shell-Thick	SLE-RARA	-2.4968	1.7471	-6.54	8.09



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1321	Shell-Thick	SLE-RARA	-2.4104	2.4137	-6.48	8.09
1321	Shell-Thick	SLE-RARA	-1.7825	2.6590	-6.48	8.02
1321	Shell-Thick	SLE-RARA	-1.8252	1.9262	-6.54	8.02
1321	Shell-Thick	SLE-FREQ.	-2.2966	1.4859	-6.19	7.06
1321	Shell-Thick	SLE-FREQ.	-2.2255	2.0687	-6.15	7.06
1321	Shell-Thick	SLE-FREQ.	-1.6285	2.3038	-6.15	7.02
1321	Shell-Thick	SLE-FREQ.	-1.6615	1.6632	-6.19	7.02
1321	Shell-Thick	SLE-QP	-1.6959	0.7024	-5.16	4.00
1321	Shell-Thick	SLE-QP	-1.6705	1.0338	-5.16	4.00
1321	Shell-Thick	SLE-QP	-1.1665	1.2381	-5.16	4.00
1321	Shell-Thick	SLE-QP	-1.1705	0.8743	-5.16	4.00
1322	Shell-Thick	SLU-STATICA	-3.3503	2.9146	-8.72	13.11
1322	Shell-Thick	SLU-STATICA	-2.6566	4.0871	-8.58	13.11
1322	Shell-Thick	SLU-STATICA	-1.7671	4.6233	-8.58	12.96
1322	Shell-Thick	SLU-STATICA	-2.5134	3.5308	-8.72	12.96
1322	Shell-Thick	SLU-SISMICA	-4.9264	6.0801	-10.81	24.10
1322	Shell-Thick	SLU-SISMICA	-3.7029	8.2092	-10.51	24.10
1322	Shell-Thick	SLU-SISMICA	-2.6065	8.9332	-10.51	23.76
1322	Shell-Thick	SLU-SISMICA	-3.8959	6.9044	-10.81	23.76
1322	Shell-Thick	SLE-RARA	-2.4601	2.0508	-6.50	9.39
1322	Shell-Thick	SLE-RARA	-1.9609	2.8916	-6.41	9.39
1322	Shell-Thick	SLE-RARA	-1.2972	3.2885	-6.41	9.28
1322	Shell-Thick	SLE-RARA	-1.8356	2.5073	-6.50	9.28
1322	Shell-Thick	SLE-FREQ.	-2.2700	1.7401	-6.17	8.25
1322	Shell-Thick	SLE-FREQ.	-1.8265	2.4816	-6.09	8.25
1322	Shell-Thick	SLE-FREQ.	-1.1962	2.8533	-6.09	8.17
1322	Shell-Thick	SLE-FREQ.	-1.6768	2.1682	-6.17	8.17
1322	Shell-Thick	SLE-QP	-1.6994	0.8079	-5.17	4.85
1322	Shell-Thick	SLE-QP	-1.4235	1.2514	-5.14	4.85
1322	Shell-Thick	SLE-QP	-0.8933	1.5474	-5.14	4.82
1322	Shell-Thick	SLE-QP	-1.2002	1.1510	-5.17	4.82
1323	Shell-Thick	SLU-STATICA	-2.7142	3.9507	-8.56	14.86
1323	Shell-Thick	SLU-STATICA	-2.4972	5.0066	-8.40	14.86
1323	Shell-Thick	SLU-STATICA	-1.6699	5.2061	-8.40	14.64
1323	Shell-Thick	SLU-STATICA	-1.8497	4.0586	-8.56	14.64
1323	Shell-Thick	SLU-SISMICA	-3.8031	8.0054	-10.46	26.71
1323	Shell-Thick	SLU-SISMICA	-3.3900	9.8904	-10.16	26.71
1323	Shell-Thick	SLU-SISMICA	-2.3998	10.0606	-10.16	26.30
1323	Shell-Thick	SLU-SISMICA	-2.7363	7.9872	-10.46	26.30
1323	Shell-Thick	SLE-RARA	-2.0024	2.7916	-6.39	10.67
1323	Shell-Thick	SLE-RARA	-1.8478	3.5504	-6.28	10.67
1323	Shell-Thick	SLE-RARA	-1.2290	3.7030	-6.28	10.52
1323	Shell-Thick	SLE-RARA	-1.3574	2.8796	-6.39	10.52
1323	Shell-Thick	SLE-FREQ.	-1.8636	2.3895	-6.08	9.44
1323	Shell-Thick	SLE-FREQ.	-1.7288	3.0615	-5.98	9.44
1323	Shell-Thick	SLE-FREQ.	-1.1387	3.2127	-5.98	9.30
1323	Shell-Thick	SLE-FREQ.	-1.2511	2.4858	-6.08	9.30
1323	Shell-Thick	SLE-QP	-1.4470	1.1834	-5.14	5.72
1323	Shell-Thick	SLE-QP	-1.3721	1.5948	-5.08	5.72
1323	Shell-Thick	SLE-QP	-0.8679	1.7420	-5.08	5.65
1323	Shell-Thick	SLE-QP	-0.9321	1.3042	-5.14	5.65
1324	Shell-Thick	SLU-STATICA	-4.0928	1.4679	-7.86	3.90
1324	Shell-Thick	SLU-STATICA	-4.5833	1.7467	-8.64	3.90
1324	Shell-Thick	SLU-STATICA	-3.3627	3.3068	-8.64	5.26
1324	Shell-Thick	SLU-STATICA	-2.8374	2.7884	-7.86	5.26
1324	Shell-Thick	SLU-SISMICA	-6.7572	2.2872	-11.57	6.92
1324	Shell-Thick	SLU-SISMICA	-7.5414	2.7487	-12.30	6.92
1324	Shell-Thick	SLU-SISMICA	-5.7798	5.2634	-12.30	8.18
1324	Shell-Thick	SLU-SISMICA	-4.9387	4.4114	-11.57	8.18
1324	Shell-Thick	SLE-RARA	-2.9685	1.0714	-5.77	2.81
1324	Shell-Thick	SLE-RARA	-3.3256	1.2736	-6.37	2.81
1324	Shell-Thick	SLE-RARA	-2.4276	2.4082	-6.37	3.84
1324	Shell-Thick	SLE-RARA	-2.0453	2.0320	-5.77	3.84
1324	Shell-Thick	SLE-FREQ.	-2.6764	0.9777	-5.32	2.49
1324	Shell-Thick	SLE-FREQ.	-3.0005	1.1599	-5.91	2.49
1324	Shell-Thick	SLE-FREQ.	-2.1691	2.1880	-5.91	3.51
1324	Shell-Thick	SLE-FREQ.	-1.8222	1.8485	-5.32	3.51
1324	Shell-Thick	SLE-QP	-1.7999	0.6964	-3.98	1.54
1324	Shell-Thick	SLE-QP	-2.0252	0.8186	-4.54	1.54

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1324	Shell-Thick	SLE-QP	-1.3936	1.5275	-4.54	2.50
1324	Shell-Thick	SLE-QP	-1.1528	1.2981	-3.98	2.50
1325	Shell-Thick	SLU-STATICA	-4.7244	1.5089	-8.53	4.57
1325	Shell-Thick	SLU-STATICA	-4.1052	1.9458	-9.02	4.57
1325	Shell-Thick	SLU-STATICA	-2.7879	3.0436	-9.02	5.41
1325	Shell-Thick	SLU-STATICA	-3.4081	2.6122	-8.53	5.41
1325	Shell-Thick	SLU-SISMICA	-7.7357	2.4123	-12.14	8.57
1325	Shell-Thick	SLU-SISMICA	-6.6860	3.1889	-12.54	8.57
1325	Shell-Thick	SLU-SISMICA	-4.8339	4.8799	-12.54	9.25
1325	Shell-Thick	SLU-SISMICA	-5.8842	4.1063	-12.14	9.25
1325	Shell-Thick	SLE-RARA	-3.4298	1.0983	-6.29	3.27
1325	Shell-Thick	SLE-RARA	-2.9821	1.4125	-6.66	3.27
1325	Shell-Thick	SLE-RARA	-2.0106	2.2148	-6.66	3.91
1325	Shell-Thick	SLE-RARA	-2.4591	1.9049	-6.29	3.91
1325	Shell-Thick	SLE-FREQ.	-3.0978	0.9970	-5.83	2.86
1325	Shell-Thick	SLE-FREQ.	-2.6964	1.2755	-6.20	2.86
1325	Shell-Thick	SLE-FREQ.	-1.7928	2.0092	-6.20	3.50
1325	Shell-Thick	SLE-FREQ.	-2.1950	1.7352	-5.83	3.50
1325	Shell-Thick	SLE-QP	-2.1017	0.6930	-4.48	1.63
1325	Shell-Thick	SLE-QP	-1.8396	0.8646	-4.84	1.63
1325	Shell-Thick	SLE-QP	-1.1397	1.3927	-4.84	2.26
1325	Shell-Thick	SLE-QP	-1.4026	1.2259	-4.48	2.26
1326	Shell-Thick	SLU-STATICA	-4.2421	1.5108	-8.96	5.25
1326	Shell-Thick	SLU-STATICA	-4.4766	1.8826	-9.31	5.25
1326	Shell-Thick	SLU-STATICA	-3.1225	3.0491	-9.31	5.85
1326	Shell-Thick	SLU-STATICA	-2.8557	2.4549	-8.96	5.85
1326	Shell-Thick	SLU-SISMICA	-6.8819	2.5002	-12.47	10.20
1326	Shell-Thick	SLU-SISMICA	-7.2168	3.2165	-12.67	10.20
1326	Shell-Thick	SLU-SISMICA	-5.3584	5.0019	-12.67	10.55
1326	Shell-Thick	SLU-SISMICA	-4.9691	3.9130	-12.47	10.55
1326	Shell-Thick	SLE-RARA	-3.0829	1.0955	-6.61	3.73
1326	Shell-Thick	SLE-RARA	-3.2555	1.3601	-6.88	3.73
1326	Shell-Thick	SLE-RARA	-2.2546	2.2131	-6.88	4.20
1326	Shell-Thick	SLE-RARA	-2.0586	1.7875	-6.61	4.20
1326	Shell-Thick	SLE-FREQ.	-2.7900	0.9872	-6.16	3.23
1326	Shell-Thick	SLE-FREQ.	-2.9501	1.2169	-6.44	3.23
1326	Shell-Thick	SLE-FREQ.	-2.0153	1.9981	-6.44	3.71
1326	Shell-Thick	SLE-FREQ.	-1.8341	1.6236	-6.16	3.71
1326	Shell-Thick	SLE-QP	-1.9111	0.6622	-4.81	1.74
1326	Shell-Thick	SLE-QP	-2.0337	0.7875	-5.10	1.74
1326	Shell-Thick	SLE-QP	-1.2973	1.3529	-5.10	2.24
1326	Shell-Thick	SLE-QP	-1.1608	1.1319	-4.81	2.24
1327	Shell-Thick	SLU-STATICA	-4.5913	1.4880	-9.26	6.17
1327	Shell-Thick	SLU-STATICA	-3.9915	2.0574	-9.51	6.17
1327	Shell-Thick	SLU-STATICA	-2.5808	3.1001	-9.51	6.60
1327	Shell-Thick	SLU-STATICA	-3.1848	2.5583	-9.26	6.60
1327	Shell-Thick	SLU-SISMICA	-7.3804	2.6023	-12.62	12.13
1327	Shell-Thick	SLU-SISMICA	-6.3309	3.6786	-12.71	12.13
1327	Shell-Thick	SLU-SISMICA	-4.4290	5.2233	-12.71	12.28
1327	Shell-Thick	SLU-SISMICA	-5.4829	4.1759	-12.62	12.28
1327	Shell-Thick	SLE-RARA	-3.3401	1.0720	-6.85	4.38
1327	Shell-Thick	SLE-RARA	-2.9079	1.4782	-7.05	4.38
1327	Shell-Thick	SLE-RARA	-1.8635	2.2433	-7.05	4.72
1327	Shell-Thick	SLE-RARA	-2.2988	1.8579	-6.85	4.72
1327	Shell-Thick	SLE-FREQ.	-3.0285	0.9540	-6.41	3.78
1327	Shell-Thick	SLE-FREQ.	-2.6440	1.3085	-6.61	3.78
1327	Shell-Thick	SLE-FREQ.	-1.6657	2.0135	-6.61	4.14
1327	Shell-Thick	SLE-FREQ.	-2.0532	1.6792	-6.41	4.14
1327	Shell-Thick	SLE-QP	-2.0938	0.6000	-5.07	1.99
1327	Shell-Thick	SLE-QP	-1.8521	0.7995	-5.30	1.99
1327	Shell-Thick	SLE-QP	-1.0722	1.3241	-5.30	2.39
1327	Shell-Thick	SLE-QP	-1.3166	1.1430	-5.07	2.39
1328	Shell-Thick	SLU-STATICA	-4.1020	1.7475	-9.45	7.18
1328	Shell-Thick	SLU-STATICA	-4.1604	2.2863	-9.59	7.18
1328	Shell-Thick	SLU-STATICA	-2.7453	3.1989	-9.59	7.42
1328	Shell-Thick	SLU-STATICA	-2.6588	2.4676	-9.45	7.42
1328	Shell-Thick	SLU-SISMICA	-6.4916	3.1973	-12.63	14.10
1328	Shell-Thick	SLU-SISMICA	-6.5195	4.2530	-12.58	14.10
1328	Shell-Thick	SLU-SISMICA	-4.6527	5.5576	-12.58	14.02

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1328	Shell-Thick	SLU-SISMICA	-4.5758	4.1668	-12.63	14.02
1328	Shell-Thick	SLE-RARA	-2.9892	1.2519	-7.01	5.09
1328	Shell-Thick	SLE-RARA	-3.0349	1.6344	-7.12	5.09
1328	Shell-Thick	SLE-RARA	-1.9852	2.3064	-7.12	5.29
1328	Shell-Thick	SLE-RARA	-1.9192	1.7851	-7.01	5.29
1328	Shell-Thick	SLE-FREQ.	-2.7191	1.1019	-6.57	4.40
1328	Shell-Thick	SLE-FREQ.	-2.7662	1.4325	-6.70	4.40
1328	Shell-Thick	SLE-FREQ.	-1.7795	2.0557	-6.70	4.62
1328	Shell-Thick	SLE-FREQ.	-1.7143	1.6014	-6.57	4.62
1328	Shell-Thick	SLE-QP	-1.9088	0.6519	-5.27	2.32
1328	Shell-Thick	SLE-QP	-1.9601	0.8267	-5.44	2.32
1328	Shell-Thick	SLE-QP	-1.1624	1.3036	-5.44	2.60
1328	Shell-Thick	SLE-QP	-1.0997	1.0505	-5.27	2.60
1329	Shell-Thick	SLU-STATICA	-4.2611	1.7881	-9.59	8.40
1329	Shell-Thick	SLU-STATICA	-3.6434	2.5490	-9.66	8.40
1329	Shell-Thick	SLU-STATICA	-2.1955	3.5294	-9.66	8.52
1329	Shell-Thick	SLU-STATICA	-2.8204	2.8178	-9.59	8.52
1329	Shell-Thick	SLU-SISMICA	-6.6677	3.4625	-12.59	16.33
1329	Shell-Thick	SLU-SISMICA	-5.5755	4.9001	-12.47	16.33
1329	Shell-Thick	SLU-SISMICA	-3.6918	6.2965	-12.47	16.12
1329	Shell-Thick	SLU-SISMICA	-4.7917	4.9117	-12.59	16.12
1329	Shell-Thick	SLE-RARA	-3.1089	1.2715	-7.12	5.97
1329	Shell-Thick	SLE-RARA	-2.6645	1.8143	-7.18	5.97
1329	Shell-Thick	SLE-RARA	-1.5891	2.5365	-7.18	6.08
1329	Shell-Thick	SLE-RARA	-2.0389	2.0308	-7.12	6.08
1329	Shell-Thick	SLE-FREQ.	-2.8344	1.1025	-6.70	5.18
1329	Shell-Thick	SLE-FREQ.	-2.4400	1.5764	-6.77	5.18
1329	Shell-Thick	SLE-FREQ.	-1.4269	2.2465	-6.77	5.30
1329	Shell-Thick	SLE-FREQ.	-1.8267	1.8087	-6.70	5.30
1329	Shell-Thick	SLE-QP	-2.0111	0.5957	-5.43	2.78
1329	Shell-Thick	SLE-QP	-1.7666	0.8625	-5.55	2.78
1329	Shell-Thick	SLE-QP	-0.9404	1.3767	-5.55	2.98
1329	Shell-Thick	SLE-QP	-1.1898	1.1422	-5.43	2.98
1330	Shell-Thick	SLU-STATICA	-3.7343	2.3169	-9.61	9.73
1330	Shell-Thick	SLU-STATICA	-3.6394	3.0860	-9.59	9.73
1330	Shell-Thick	SLU-STATICA	-2.2105	3.7904	-9.59	9.70
1330	Shell-Thick	SLU-STATICA	-2.2831	2.8688	-9.61	9.70
1330	Shell-Thick	SLU-SISMICA	-5.7109	4.5500	-12.39	18.62
1330	Shell-Thick	SLU-SISMICA	-5.4802	6.0119	-12.17	18.62
1330	Shell-Thick	SLU-SISMICA	-3.6586	6.9318	-12.17	18.23
1330	Shell-Thick	SLU-SISMICA	-3.8481	5.1884	-12.39	18.23
1330	Shell-Thick	SLE-RARA	-2.7311	1.6443	-7.14	6.93
1330	Shell-Thick	SLE-RARA	-2.6660	2.1926	-7.14	6.93
1330	Shell-Thick	SLE-RARA	-1.6028	2.7156	-7.14	6.93
1330	Shell-Thick	SLE-RARA	-1.6520	2.0583	-7.14	6.93
1330	Shell-Thick	SLE-FREQ.	-2.5014	1.4202	-6.74	6.03
1330	Shell-Thick	SLE-FREQ.	-2.4490	1.8981	-6.75	6.03
1330	Shell-Thick	SLE-FREQ.	-1.4443	2.3905	-6.75	6.05
1330	Shell-Thick	SLE-FREQ.	-1.4827	1.8169	-6.74	6.05
1330	Shell-Thick	SLE-QP	-1.8120	0.7480	-5.52	3.33
1330	Shell-Thick	SLE-QP	-1.7979	1.0146	-5.59	3.33
1330	Shell-Thick	SLE-QP	-0.9687	1.4151	-5.59	3.44
1330	Shell-Thick	SLE-QP	-0.9747	1.0928	-5.52	3.44
1331	Shell-Thick	SLU-STATICA	-3.7257	2.5349	-9.62	11.28
1331	Shell-Thick	SLU-STATICA	-3.0902	3.5459	-9.53	11.28
1331	Shell-Thick	SLU-STATICA	-1.6483	4.4296	-9.53	11.14
1331	Shell-Thick	SLU-STATICA	-2.2944	3.4909	-9.62	11.14
1331	Shell-Thick	SLU-SISMICA	-5.6111	5.1355	-12.22	21.14
1331	Shell-Thick	SLU-SISMICA	-4.4893	6.9917	-11.93	21.14
1331	Shell-Thick	SLU-SISMICA	-2.6722	8.1994	-11.93	20.65
1331	Shell-Thick	SLU-SISMICA	-3.8052	6.4205	-12.22	20.65
1331	Shell-Thick	SLE-RARA	-2.7291	1.7913	-7.16	8.05
1331	Shell-Thick	SLE-RARA	-2.2718	2.5152	-7.10	8.05
1331	Shell-Thick	SLE-RARA	-1.1980	3.1687	-7.10	7.96
1331	Shell-Thick	SLE-RARA	-1.6632	2.4992	-7.16	7.96
1331	Shell-Thick	SLE-FREQ.	-2.5069	1.5334	-6.77	7.04
1331	Shell-Thick	SLE-FREQ.	-2.1008	2.1700	-6.73	7.04
1331	Shell-Thick	SLE-FREQ.	-1.0843	2.7807	-6.73	6.99
1331	Shell-Thick	SLE-FREQ.	-1.4981	2.1968	-6.77	6.99

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1331	Shell-Thick	SLE-QP	-1.8402	0.7597	-5.60	4.02
1331	Shell-Thick	SLE-QP	-1.5878	1.1345	-5.62	4.02
1331	Shell-Thick	SLE-QP	-0.7432	1.6169	-5.62	4.05
1331	Shell-Thick	SLE-QP	-1.0025	1.2897	-5.60	4.05
1332	Shell-Thick	SLU-STATICA	-3.1631	3.3653	-9.49	12.94
1332	Shell-Thick	SLU-STATICA	-2.9269	4.4269	-9.34	12.94
1332	Shell-Thick	SLU-STATICA	-1.5220	4.9394	-9.34	12.67
1332	Shell-Thick	SLU-STATICA	-1.7428	3.7732	-9.49	12.67
1332	Shell-Thick	SLU-SISMICA	-4.6013	6.7298	-11.86	23.74
1332	Shell-Thick	SLU-SISMICA	-4.1432	8.6594	-11.50	23.74
1332	Shell-Thick	SLU-SISMICA	-2.4066	9.2449	-11.50	23.11
1332	Shell-Thick	SLU-SISMICA	-2.8328	7.0988	-11.86	23.11
1332	Shell-Thick	SLE-RARA	-2.3251	2.3824	-7.07	9.26
1332	Shell-Thick	SLE-RARA	-2.1572	3.1435	-6.97	9.26
1332	Shell-Thick	SLE-RARA	-1.1092	3.5282	-6.97	9.08
1332	Shell-Thick	SLE-RARA	-1.2663	2.6934	-7.07	9.08
1332	Shell-Thick	SLE-FREQ.	-2.1496	2.0472	-6.70	8.15
1332	Shell-Thick	SLE-FREQ.	-2.0040	2.7182	-6.62	8.15
1332	Shell-Thick	SLE-FREQ.	-1.0091	3.0874	-6.62	8.00
1332	Shell-Thick	SLE-FREQ.	-1.1455	2.3537	-6.70	8.00
1332	Shell-Thick	SLE-QP	-1.6230	1.0415	-5.60	4.80
1332	Shell-Thick	SLE-QP	-1.5446	1.4422	-5.57	4.80
1332	Shell-Thick	SLE-QP	-0.7090	1.7649	-5.57	4.75
1332	Shell-Thick	SLE-QP	-0.7831	1.3345	-5.60	4.75
1333	Shell-Thick	SLU-STATICA	-2.9949	3.8688	-9.39	14.67
1333	Shell-Thick	SLU-STATICA	-2.4134	5.0182	-9.21	14.67
1333	Shell-Thick	SLU-STATICA	-1.0148	5.7704	-9.21	14.31
1333	Shell-Thick	SLU-STATICA	-1.6030	4.7522	-9.39	14.31
1333	Shell-Thick	SLU-SISMICA	-4.2493	7.7789	-11.58	26.36
1333	Shell-Thick	SLU-SISMICA	-3.2375	9.7988	-11.23	26.36
1333	Shell-Thick	SLU-SISMICA	-1.5230	10.7857	-11.23	25.64
1333	Shell-Thick	SLU-SISMICA	-2.5424	8.9156	-11.58	25.64
1333	Shell-Thick	SLE-RARA	-2.2068	2.7367	-7.00	10.53
1333	Shell-Thick	SLE-RARA	-1.7876	3.5643	-6.88	10.53
1333	Shell-Thick	SLE-RARA	-0.7436	4.1226	-6.88	10.28
1333	Shell-Thick	SLE-RARA	-1.1678	3.3935	-7.00	10.28
1333	Shell-Thick	SLE-FREQ.	-2.0493	2.3479	-6.65	9.31
1333	Shell-Thick	SLE-FREQ.	-1.6758	3.0836	-6.54	9.31
1333	Shell-Thick	SLE-FREQ.	-0.6835	3.6087	-6.54	9.09
1333	Shell-Thick	SLE-FREQ.	-1.0618	2.9677	-6.65	9.09
1333	Shell-Thick	SLE-QP	-1.5768	1.1814	-5.59	5.65
1333	Shell-Thick	SLE-QP	-1.3404	1.6413	-5.54	5.65
1333	Shell-Thick	SLE-QP	-0.5032	2.0673	-5.54	5.54
1333	Shell-Thick	SLE-QP	-0.7439	1.6902	-5.59	5.54
1334	Shell-Thick	SLU-STATICA	-4.2027	2.4012	-9.67	5.38
1334	Shell-Thick	SLU-STATICA	-4.4795	2.7574	-10.11	5.38
1334	Shell-Thick	SLU-STATICA	-3.0170	4.1325	-10.11	6.14
1334	Shell-Thick	SLU-STATICA	-2.6980	3.4866	-9.67	6.14
1334	Shell-Thick	SLU-SISMICA	-6.9403	3.8438	-14.30	9.23
1334	Shell-Thick	SLU-SISMICA	-7.3886	4.4203	-14.45	9.23
1334	Shell-Thick	SLU-SISMICA	-5.2660	6.6231	-14.45	9.49
1334	Shell-Thick	SLU-SISMICA	-4.7482	5.5719	-14.30	9.49
1334	Shell-Thick	SLE-RARA	-3.0482	1.7476	-7.09	3.88
1334	Shell-Thick	SLE-RARA	-3.2493	2.0065	-7.44	3.88
1334	Shell-Thick	SLE-RARA	-2.1741	3.0073	-7.44	4.49
1334	Shell-Thick	SLE-RARA	-1.9423	2.5380	-7.09	4.49
1334	Shell-Thick	SLE-FREQ.	-2.7480	1.5860	-6.54	3.47
1334	Shell-Thick	SLE-FREQ.	-2.9301	1.8204	-6.90	3.47
1334	Shell-Thick	SLE-FREQ.	-1.9356	2.7284	-6.90	4.10
1334	Shell-Thick	SLE-FREQ.	-1.7259	2.3040	-6.54	4.10
1334	Shell-Thick	SLE-QP	-1.8476	1.1010	-4.87	2.24
1334	Shell-Thick	SLE-QP	-1.9726	1.2620	-5.28	2.24
1334	Shell-Thick	SLE-QP	-1.2204	1.8920	-5.28	2.94
1334	Shell-Thick	SLE-QP	-1.0768	1.6022	-4.87	2.94
1335	Shell-Thick	SLU-STATICA	-4.6334	2.2253	-10.05	5.94
1335	Shell-Thick	SLU-STATICA	-3.8969	2.7683	-10.35	5.94
1335	Shell-Thick	SLU-STATICA	-2.3661	3.9967	-10.35	6.46
1335	Shell-Thick	SLU-STATICA	-3.1038	3.4610	-10.05	6.46
1335	Shell-Thick	SLU-SISMICA	-7.5988	3.6248	-14.39	10.71

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1335	Shell-Thick	SLU-SISMICA	-6.3601	4.5638	-14.46	10.71
1335	Shell-Thick	SLU-SISMICA	-4.1956	6.4577	-14.46	10.83
1335	Shell-Thick	SLU-SISMICA	-5.4349	5.5225	-14.39	10.83
1335	Shell-Thick	SLE-RARA	-3.3632	1.6165	-7.40	4.26
1335	Shell-Thick	SLE-RARA	-2.8301	2.0082	-7.64	4.26
1335	Shell-Thick	SLE-RARA	-1.7017	2.9058	-7.64	4.68
1335	Shell-Thick	SLE-RARA	-2.2357	2.5198	-7.40	4.68
1335	Shell-Thick	SLE-FREQ.	-3.0366	1.4616	-6.86	3.77
1335	Shell-Thick	SLE-FREQ.	-2.5579	1.8111	-7.11	3.77
1335	Shell-Thick	SLE-FREQ.	-1.5094	2.6319	-7.11	4.20
1335	Shell-Thick	SLE-FREQ.	-1.9890	2.2883	-6.86	4.20
1335	Shell-Thick	SLE-QP	-2.0567	0.9970	-5.24	2.28
1335	Shell-Thick	SLE-QP	-1.7413	1.2199	-5.53	2.28
1335	Shell-Thick	SLE-QP	-0.9325	1.8102	-5.53	2.78
1335	Shell-Thick	SLE-QP	-1.2489	1.5936	-5.24	2.78
1336	Shell-Thick	SLU-STATICA	-4.0399	2.3549	-10.28	6.58
1336	Shell-Thick	SLU-STATICA	-4.1656	2.8155	-10.48	6.58
1336	Shell-Thick	SLU-STATICA	-2.6272	3.9195	-10.48	6.94
1336	Shell-Thick	SLU-STATICA	-2.4643	3.2040	-10.28	6.94
1336	Shell-Thick	SLU-SISMICA	-6.5609	3.9374	-14.37	12.28
1336	Shell-Thick	SLU-SISMICA	-6.7272	4.7865	-14.31	12.28
1336	Shell-Thick	SLU-SISMICA	-4.6072	6.4459	-14.31	12.18
1336	Shell-Thick	SLU-SISMICA	-4.3781	5.1679	-14.37	12.18
1336	Shell-Thick	SLE-RARA	-2.9356	1.7056	-7.58	4.71
1336	Shell-Thick	SLE-RARA	-3.0288	2.0352	-7.75	4.71
1336	Shell-Thick	SLE-RARA	-1.8921	2.8441	-7.75	4.99
1336	Shell-Thick	SLE-RARA	-1.7719	2.3299	-7.58	4.99
1336	Shell-Thick	SLE-FREQ.	-2.6560	1.5335	-7.06	4.12
1336	Shell-Thick	SLE-FREQ.	-2.7437	1.8231	-7.24	4.12
1336	Shell-Thick	SLE-FREQ.	-1.6827	2.5663	-7.24	4.44
1336	Shell-Thick	SLE-FREQ.	-1.5709	2.1111	-7.06	4.44
1336	Shell-Thick	SLE-QP	-1.8174	1.0172	-5.49	2.37
1336	Shell-Thick	SLE-QP	-1.8881	1.1866	-5.73	2.37
1336	Shell-Thick	SLE-QP	-1.0546	1.7331	-5.73	2.78
1336	Shell-Thick	SLE-QP	-0.9680	1.4546	-5.49	2.78
1337	Shell-Thick	SLU-STATICA	-4.2916	2.2461	-10.46	7.49
1337	Shell-Thick	SLU-STATICA	-3.5999	2.9229	-10.59	7.49
1337	Shell-Thick	SLU-STATICA	-2.0179	4.0711	-10.59	7.72
1337	Shell-Thick	SLU-STATICA	-2.7141	3.4244	-10.46	7.72
1337	Shell-Thick	SLU-SISMICA	-6.9045	3.9044	-14.31	14.16
1337	Shell-Thick	SLU-SISMICA	-5.7110	5.1426	-14.19	14.16
1337	Shell-Thick	SLU-SISMICA	-3.5713	6.8395	-14.19	13.96
1337	Shell-Thick	SLU-SISMICA	-4.7692	5.6314	-14.31	13.96
1337	Shell-Thick	SLE-RARA	-3.1218	1.6193	-7.74	5.35
1337	Shell-Thick	SLE-RARA	-2.6226	2.1042	-7.85	5.35
1337	Shell-Thick	SLE-RARA	-1.4516	2.9469	-7.85	5.54
1337	Shell-Thick	SLE-RARA	-1.9542	2.4848	-7.74	5.54
1337	Shell-Thick	SLE-FREQ.	-2.8301	1.4431	-7.23	4.67
1337	Shell-Thick	SLE-FREQ.	-2.3844	1.8699	-7.36	4.67
1337	Shell-Thick	SLE-FREQ.	-1.2882	2.6467	-7.36	4.89
1337	Shell-Thick	SLE-FREQ.	-1.7372	2.2422	-7.23	4.89
1337	Shell-Thick	SLE-QP	-1.9550	0.9145	-5.71	2.63
1337	Shell-Thick	SLE-QP	-1.6699	1.1670	-5.89	2.63
1337	Shell-Thick	SLE-QP	-0.7978	1.7462	-5.89	2.94
1337	Shell-Thick	SLE-QP	-1.0860	1.5142	-5.71	2.94
1338	Shell-Thick	SLU-STATICA	-3.7180	2.6139	-10.53	8.51
1338	Shell-Thick	SLU-STATICA	-3.7090	3.2511	-10.57	8.51
1338	Shell-Thick	SLU-STATICA	-2.1421	4.1268	-10.57	8.57
1338	Shell-Thick	SLU-STATICA	-2.1202	3.2780	-10.53	8.57
1338	Shell-Thick	SLU-SISMICA	-5.8804	4.6838	-14.09	16.12
1338	Shell-Thick	SLU-SISMICA	-5.8050	5.8841	-13.87	16.12
1338	Shell-Thick	SLU-SISMICA	-3.7341	7.1017	-13.87	15.73
1338	Shell-Thick	SLU-SISMICA	-3.7552	5.5317	-14.09	15.73
1338	Shell-Thick	SLE-RARA	-2.7096	1.8775	-7.80	6.07
1338	Shell-Thick	SLE-RARA	-2.7060	2.3323	-7.84	6.07
1338	Shell-Thick	SLE-RARA	-1.5438	2.9788	-7.84	6.14
1338	Shell-Thick	SLE-RARA	-1.5251	2.3716	-7.80	6.14
1338	Shell-Thick	SLE-FREQ.	-2.4651	1.6611	-7.31	5.29
1338	Shell-Thick	SLE-FREQ.	-2.4671	2.0584	-7.38	5.29

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1338	Shell-Thick	SLE-FREQ.	-1.3749	2.6609	-7.38	5.40
1338	Shell-Thick	SLE-FREQ.	-1.3531	2.1279	-7.31	5.40
1338	Shell-Thick	SLE-QP	-1.7315	1.0119	-5.86	2.97
1338	Shell-Thick	SLE-QP	-1.7501	1.2367	-5.98	2.97
1338	Shell-Thick	SLE-QP	-0.8682	1.7071	-5.98	3.18
1338	Shell-Thick	SLE-QP	-0.8372	1.3968	-5.86	3.18
1339	Shell-Thick	SLU-STATICA	-3.8150	2.6471	-10.58	9.76
1339	Shell-Thick	SLU-STATICA	-3.1354	3.5207	-10.55	9.76
1339	Shell-Thick	SLU-STATICA	-1.5459	4.5654	-10.55	9.71
1339	Shell-Thick	SLU-STATICA	-2.2332	3.7449	-10.58	9.71
1339	Shell-Thick	SLU-SISMICA	-5.9585	4.9363	-13.91	18.35
1339	Shell-Thick	SLU-SISMICA	-4.7728	6.5389	-13.63	18.35
1339	Shell-Thick	SLU-SISMICA	-2.7028	8.0172	-13.63	17.86
1339	Shell-Thick	SLU-SISMICA	-3.8965	6.4700	-13.91	17.86
1339	Shell-Thick	SLE-RARA	-2.7840	1.8918	-7.85	6.97
1339	Shell-Thick	SLE-RARA	-2.2943	2.5174	-7.84	6.97
1339	Shell-Thick	SLE-RARA	-1.1138	3.2874	-7.84	6.95
1339	Shell-Thick	SLE-RARA	-1.6093	2.7019	-7.85	6.95
1339	Shell-Thick	SLE-FREQ.	-2.5392	1.6570	-7.38	6.09
1339	Shell-Thick	SLE-FREQ.	-2.1031	2.2073	-7.40	6.09
1339	Shell-Thick	SLE-FREQ.	-0.9912	2.9226	-7.40	6.11
1339	Shell-Thick	SLE-FREQ.	-1.4330	2.4113	-7.38	6.11
1339	Shell-Thick	SLE-QP	-1.8048	0.9527	-5.98	3.46
1339	Shell-Thick	SLE-QP	-1.5298	1.2770	-6.06	3.46
1339	Shell-Thick	SLE-QP	-0.6236	1.8284	-6.06	3.59
1339	Shell-Thick	SLE-QP	-0.9039	1.5396	-5.98	3.59
1340	Shell-Thick	SLU-STATICA	-3.2321	3.2830	-10.50	11.12
1340	Shell-Thick	SLU-STATICA	-3.0851	4.1626	-10.39	11.12
1340	Shell-Thick	SLU-STATICA	-1.5299	4.8221	-10.39	10.94
1340	Shell-Thick	SLU-STATICA	-1.6534	3.7824	-10.50	10.94
1340	Shell-Thick	SLU-SISMICA	-4.9149	6.1959	-13.54	20.65
1340	Shell-Thick	SLU-SISMICA	-4.6053	7.8155	-13.17	20.65
1340	Shell-Thick	SLU-SISMICA	-2.6230	8.6381	-13.17	20.02
1340	Shell-Thick	SLU-SISMICA	-2.8887	6.7202	-13.54	20.02
1340	Shell-Thick	SLE-RARA	-2.3652	2.3425	-7.80	7.95
1340	Shell-Thick	SLE-RARA	-2.2619	2.9722	-7.73	7.95
1340	Shell-Thick	SLE-RARA	-1.1048	3.4638	-7.73	7.84
1340	Shell-Thick	SLE-RARA	-1.1913	2.7197	-7.80	7.84
1340	Shell-Thick	SLE-FREQ.	-2.1686	2.0454	-7.36	6.98
1340	Shell-Thick	SLE-FREQ.	-2.0812	2.5987	-7.31	6.98
1340	Shell-Thick	SLE-FREQ.	-0.9877	3.0647	-7.31	6.90
1340	Shell-Thick	SLE-FREQ.	-1.0604	2.4112	-7.36	6.90
1340	Shell-Thick	SLE-QP	-1.5788	1.1539	-6.03	4.04
1340	Shell-Thick	SLE-QP	-1.5391	1.4782	-6.06	4.04
1340	Shell-Thick	SLE-QP	-0.6365	1.8677	-6.06	4.08
1340	Shell-Thick	SLE-QP	-0.6678	1.4857	-6.03	4.08
1341	Shell-Thick	SLU-STATICA	-3.1714	3.5500	-10.43	12.71
1341	Shell-Thick	SLU-STATICA	-2.4939	4.6824	-10.26	12.71
1341	Shell-Thick	SLU-STATICA	-0.9359	5.5833	-10.26	12.42
1341	Shell-Thick	SLU-STATICA	-1.6247	4.5289	-10.43	12.42
1341	Shell-Thick	SLU-SISMICA	-4.7342	6.8532	-13.25	23.21
1341	Shell-Thick	SLU-SISMICA	-3.5520	8.8812	-12.82	23.21
1341	Shell-Thick	SLU-SISMICA	-1.5903	10.0955	-12.82	22.48
1341	Shell-Thick	SLU-SISMICA	-2.7843	8.1495	-13.25	22.48
1341	Shell-Thick	SLE-RARA	-2.3253	2.5254	-7.76	9.11
1341	Shell-Thick	SLE-RARA	-1.8370	3.3388	-7.65	9.11
1341	Shell-Thick	SLE-RARA	-0.6765	4.0059	-7.65	8.91
1341	Shell-Thick	SLE-RARA	-1.1733	3.2514	-7.76	8.91
1341	Shell-Thick	SLE-FREQ.	-2.1395	2.1917	-7.34	8.02
1341	Shell-Thick	SLE-FREQ.	-1.7048	2.9114	-7.25	8.02
1341	Shell-Thick	SLE-FREQ.	-0.6061	3.5363	-7.25	7.87
1341	Shell-Thick	SLE-FREQ.	-1.0491	2.8736	-7.34	7.87
1341	Shell-Thick	SLE-QP	-1.5822	1.1905	-6.07	4.76
1341	Shell-Thick	SLE-QP	-1.3080	1.6293	-6.05	4.76
1341	Shell-Thick	SLE-QP	-0.3947	2.1275	-6.05	4.73
1341	Shell-Thick	SLE-QP	-0.6764	1.7405	-6.07	4.73
1342	Shell-Thick	SLU-STATICA	-2.5635	4.5405	-10.21	14.30
1342	Shell-Thick	SLU-STATICA	-2.3433	5.5243	-10.02	14.30
1342	Shell-Thick	SLU-STATICA	-0.8294	5.9707	-10.02	13.90

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1342	Shell-Thick	SLU-STATICA	-1.0423	4.8451	-10.21	13.90
1342	Shell-Thick	SLU-SISMICA	-3.6566	8.6962	-12.74	25.65
1342	Shell-Thick	SLU-SISMICA	-3.2420	10.4385	-12.33	25.65
1342	Shell-Thick	SLU-SISMICA	-1.3685	10.9023	-12.33	24.82
1342	Shell-Thick	SLU-SISMICA	-1.7679	8.8695	-12.74	24.82
1342	Shell-Thick	SLE-RARA	-1.8880	3.2334	-7.61	10.27
1342	Shell-Thick	SLE-RARA	-1.7308	3.9411	-7.47	10.27
1342	Shell-Thick	SLE-RARA	-0.6016	4.2785	-7.47	9.99
1342	Shell-Thick	SLE-RARA	-0.7536	3.4708	-7.61	9.99
1342	Shell-Thick	SLE-FREQ.	-1.7516	2.8122	-7.22	9.08
1342	Shell-Thick	SLE-FREQ.	-1.6143	3.4401	-7.10	9.08
1342	Shell-Thick	SLE-FREQ.	-0.5425	3.7677	-7.10	8.84
1342	Shell-Thick	SLE-FREQ.	-0.6754	3.0545	-7.22	8.84
1342	Shell-Thick	SLE-QP	-1.3425	1.5484	-6.03	5.53
1342	Shell-Thick	SLE-QP	-1.2647	1.9370	-5.98	5.53
1342	Shell-Thick	SLE-QP	-0.3651	2.2354	-5.98	5.41
1342	Shell-Thick	SLE-QP	-0.4407	1.8056	-6.03	5.41
1343	Shell-Thick	SLU-STATICA	-4.0175	3.2475	-11.10	6.44
1343	Shell-Thick	SLU-STATICA	-4.1939	3.6619	-11.35	6.44
1343	Shell-Thick	SLU-STATICA	-2.5342	4.9172	-11.35	6.88
1343	Shell-Thick	SLU-STATICA	-2.3095	4.1724	-11.10	6.88
1343	Shell-Thick	SLU-SISMICA	-6.6504	5.2640	-16.40	10.83
1343	Shell-Thick	SLU-SISMICA	-6.9471	5.9229	-16.25	10.83
1343	Shell-Thick	SLU-SISMICA	-4.5378	7.9074	-16.25	10.56
1343	Shell-Thick	SLU-SISMICA	-4.1616	6.7051	-16.40	10.56
1343	Shell-Thick	SLE-RARA	-2.9130	2.3603	-8.14	4.66
1343	Shell-Thick	SLE-RARA	-3.0407	2.6621	-8.36	4.66
1343	Shell-Thick	SLE-RARA	-1.8204	3.5770	-8.36	5.03
1343	Shell-Thick	SLE-RARA	-1.6577	3.0354	-8.14	5.03
1343	Shell-Thick	SLE-FREQ.	-2.6248	2.1364	-7.51	4.19
1343	Shell-Thick	SLE-FREQ.	-2.7395	2.4106	-7.75	4.19
1343	Shell-Thick	SLE-FREQ.	-1.6109	3.2430	-7.75	4.61
1343	Shell-Thick	SLE-FREQ.	-1.4646	2.7524	-7.51	4.61
1343	Shell-Thick	SLE-QP	-1.7602	1.4647	-5.60	2.76
1343	Shell-Thick	SLE-QP	-1.8358	1.6563	-5.92	2.76
1343	Shell-Thick	SLE-QP	-0.9822	2.2412	-5.92	3.33
1343	Shell-Thick	SLE-QP	-0.8854	1.9034	-5.60	3.33
1344	Shell-Thick	SLU-STATICA	-4.3536	2.9673	-11.32	7.03
1344	Shell-Thick	SLU-STATICA	-3.5386	3.5960	-11.49	7.03
1344	Shell-Thick	SLU-STATICA	-1.8264	4.8912	-11.49	7.33
1344	Shell-Thick	SLU-STATICA	-2.6427	4.2706	-11.32	7.33
1344	Shell-Thick	SLU-SISMICA	-7.1632	4.8757	-16.23	12.36
1344	Shell-Thick	SLU-SISMICA	-5.8029	5.9419	-16.08	12.36
1344	Shell-Thick	SLU-SISMICA	-3.3782	7.9308	-16.08	12.11
1344	Shell-Thick	SLU-SISMICA	-4.7390	6.8682	-16.23	12.11
1344	Shell-Thick	SLE-RARA	-3.1589	2.1534	-8.34	5.07
1344	Shell-Thick	SLE-RARA	-2.5685	2.6080	-8.48	5.07
1344	Shell-Thick	SLE-RARA	-1.3066	3.5548	-8.48	5.31
1344	Shell-Thick	SLE-RARA	-1.8980	3.1065	-8.34	5.31
1344	Shell-Thick	SLE-FREQ.	-2.8502	1.9434	-7.73	4.50
1344	Shell-Thick	SLE-FREQ.	-2.3191	2.3509	-7.89	4.50
1344	Shell-Thick	SLE-FREQ.	-1.1469	3.2174	-7.89	4.79
1344	Shell-Thick	SLE-FREQ.	-1.6789	2.8165	-7.73	4.79
1344	Shell-Thick	SLE-QP	-1.9238	1.3136	-5.90	2.81
1344	Shell-Thick	SLE-QP	-1.5709	1.5796	-6.13	2.81
1344	Shell-Thick	SLE-QP	-0.6676	2.2051	-6.13	3.22
1344	Shell-Thick	SLE-QP	-1.0217	1.9462	-5.90	3.22
1345	Shell-Thick	SLU-STATICA	-3.6848	3.2104	-11.41	7.71
1345	Shell-Thick	SLU-STATICA	-3.7421	3.7461	-11.49	7.71
1345	Shell-Thick	SLU-STATICA	-2.0450	4.7637	-11.49	7.85
1345	Shell-Thick	SLU-STATICA	-1.9464	3.9459	-11.41	7.85
1345	Shell-Thick	SLU-SISMICA	-6.0054	5.3835	-15.98	13.97
1345	Shell-Thick	SLU-SISMICA	-6.0688	6.3407	-15.71	13.97
1345	Shell-Thick	SLU-SISMICA	-3.7265	7.8338	-15.71	13.51
1345	Shell-Thick	SLU-SISMICA	-3.5933	6.4007	-15.98	13.51
1345	Shell-Thick	SLE-RARA	-2.6765	2.3244	-8.42	5.53
1345	Shell-Thick	SLE-RARA	-2.7196	2.7093	-8.49	5.53
1345	Shell-Thick	SLE-RARA	-1.4658	3.4567	-8.49	5.66
1345	Shell-Thick	SLE-RARA	-1.3928	2.8677	-8.42	5.66



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1345	Shell-Thick	SLE-FREQ.	-2.4198	2.0885	-7.84	4.88
1345	Shell-Thick	SLE-FREQ.	-2.4613	2.4293	-7.94	4.88
1345	Shell-Thick	SLE-FREQ.	-1.2914	3.1192	-7.94	5.06
1345	Shell-Thick	SLE-FREQ.	-1.2231	2.5952	-7.84	5.06
1345	Shell-Thick	SLE-QP	-1.6497	1.3807	-6.09	2.93
1345	Shell-Thick	SLE-QP	-1.6865	1.5892	-6.27	2.93
1345	Shell-Thick	SLE-QP	-0.7684	2.1066	-6.27	3.24
1345	Shell-Thick	SLE-QP	-0.7141	1.7779	-6.09	3.24
1346	Shell-Thick	SLU-STATICA	-3.8737	3.0446	-11.50	8.66
1346	Shell-Thick	SLU-STATICA	-3.1147	3.8149	-11.51	8.66
1346	Shell-Thick	SLU-STATICA	-1.3862	5.0214	-11.51	8.69
1346	Shell-Thick	SLU-STATICA	-2.1498	4.2829	-11.50	8.69
1346	Shell-Thick	SLU-SISMICA	-6.2521	5.2574	-15.75	15.89
1346	Shell-Thick	SLU-SISMICA	-4.9572	6.6320	-15.44	15.89
1346	Shell-Thick	SLU-SISMICA	-2.6152	8.4053	-15.44	15.36
1346	Shell-Thick	SLU-SISMICA	-3.9144	7.0612	-15.75	15.36
1346	Shell-Thick	SLE-RARA	-2.8167	2.1968	-8.50	6.20
1346	Shell-Thick	SLE-RARA	-2.2683	2.7504	-8.53	6.20
1346	Shell-Thick	SLE-RARA	-0.9892	3.6363	-8.53	6.25
1346	Shell-Thick	SLE-RARA	-1.5411	3.1069	-8.50	6.25
1346	Shell-Thick	SLE-FREQ.	-2.5518	1.9608	-7.94	5.45
1346	Shell-Thick	SLE-FREQ.	-2.0610	2.4511	-8.00	5.45
1346	Shell-Thick	SLE-FREQ.	-0.8638	3.2685	-8.00	5.55
1346	Shell-Thick	SLE-FREQ.	-1.3581	2.8020	-7.94	5.55
1346	Shell-Thick	SLE-QP	-1.7571	1.2527	-6.26	3.21
1346	Shell-Thick	SLE-QP	-1.4390	1.5531	-6.40	3.21
1346	Shell-Thick	SLE-QP	-0.4876	2.1653	-6.40	3.44
1346	Shell-Thick	SLE-QP	-0.8091	1.8872	-6.26	3.44
1347	Shell-Thick	SLU-STATICA	-3.2358	3.5290	-11.44	9.71
1347	Shell-Thick	SLU-STATICA	-3.1746	4.2551	-11.37	9.71
1347	Shell-Thick	SLU-STATICA	-1.4801	5.0457	-11.37	9.59
1347	Shell-Thick	SLU-STATICA	-1.5080	4.0931	-11.44	9.59
1347	Shell-Thick	SLU-SISMICA	-5.1285	6.2299	-15.33	17.87
1347	Shell-Thick	SLU-SISMICA	-4.9751	7.5565	-14.94	17.87
1347	Shell-Thick	SLU-SISMICA	-2.7327	8.6116	-14.94	17.20
1347	Shell-Thick	SLU-SISMICA	-2.8278	6.8877	-15.33	17.20
1347	Shell-Thick	SLE-RARA	-2.3576	2.5395	-8.47	6.95
1347	Shell-Thick	SLE-RARA	-2.3158	3.0598	-8.44	6.95
1347	Shell-Thick	SLE-RARA	-1.0591	3.6457	-8.44	6.89
1347	Shell-Thick	SLE-RARA	-1.0769	2.9623	-8.47	6.89
1347	Shell-Thick	SLE-FREQ.	-2.1439	2.2549	-7.94	6.11
1347	Shell-Thick	SLE-FREQ.	-2.1108	2.7130	-7.94	6.11
1347	Shell-Thick	SLE-FREQ.	-0.9300	3.2627	-7.94	6.09
1347	Shell-Thick	SLE-FREQ.	-0.9419	2.6596	-7.94	6.09
1347	Shell-Thick	SLE-QP	-1.5029	1.4011	-6.36	3.58
1347	Shell-Thick	SLE-QP	-1.4956	1.6727	-6.43	3.58
1347	Shell-Thick	SLE-QP	-0.5429	2.1139	-6.43	3.71
1347	Shell-Thick	SLE-QP	-0.5369	1.7515	-6.36	3.71
1348	Shell-Thick	SLU-STATICA	-3.2833	3.5483	-11.41	11.00
1348	Shell-Thick	SLU-STATICA	-2.5608	4.5240	-11.28	11.00
1348	Shell-Thick	SLU-STATICA	-0.8546	5.6018	-11.28	10.78
1348	Shell-Thick	SLU-STATICA	-1.5854	4.6823	-11.41	10.78
1348	Shell-Thick	SLU-SISMICA	-5.1307	6.4551	-15.02	20.14
1348	Shell-Thick	SLU-SISMICA	-3.8834	8.2027	-14.58	20.14
1348	Shell-Thick	SLU-SISMICA	-1.6593	9.7161	-14.58	19.38
1348	Shell-Thick	SLU-SISMICA	-2.9146	8.0253	-15.02	19.38
1348	Shell-Thick	SLE-RARA	-2.3959	2.5439	-8.46	7.88
1348	Shell-Thick	SLE-RARA	-1.8745	3.2447	-8.38	7.88
1348	Shell-Thick	SLE-RARA	-0.6075	4.0397	-8.38	7.74
1348	Shell-Thick	SLE-RARA	-1.1351	3.3814	-8.46	7.74
1348	Shell-Thick	SLE-FREQ.	-2.1850	2.2423	-7.96	6.94
1348	Shell-Thick	SLE-FREQ.	-1.7196	2.8624	-7.91	6.94
1348	Shell-Thick	SLE-FREQ.	-0.5264	3.6020	-7.91	6.84
1348	Shell-Thick	SLE-FREQ.	-0.9978	3.0233	-7.96	6.84
1348	Shell-Thick	SLE-QP	-1.5523	1.3375	-6.44	4.10
1348	Shell-Thick	SLE-QP	-1.2548	1.7154	-6.47	4.10
1348	Shell-Thick	SLE-QP	-0.2831	2.2888	-6.47	4.15
1348	Shell-Thick	SLE-QP	-0.5862	1.9490	-6.44	4.15
1349	Shell-Thick	SLU-STATICA	-2.6588	4.3079	-11.22	12.41



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1349	Shell-Thick	SLU-STATICA	-2.4705	5.2906	-11.01	12.41
1349	Shell-Thick	SLU-STATICA	-0.8150	5.8521	-11.01	12.06
1349	Shell-Thick	SLU-STATICA	-0.9791	4.7055	-11.22	12.06
1349	Shell-Thick	SLU-SISMICA	-4.0259	7.9101	-14.48	22.49
1349	Shell-Thick	SLU-SISMICA	-3.6554	9.6736	-13.97	22.49
1349	Shell-Thick	SLU-SISMICA	-1.5442	10.3179	-13.97	21.60
1349	Shell-Thick	SLU-SISMICA	-1.8694	8.2461	-14.48	21.60
1349	Shell-Thick	SLE-RARA	-1.9465	3.0848	-8.34	8.91
1349	Shell-Thick	SLE-RARA	-1.8130	3.7905	-8.20	8.91
1349	Shell-Thick	SLE-RARA	-0.5812	4.2119	-8.20	8.67
1349	Shell-Thick	SLE-RARA	-0.6976	3.3891	-8.34	8.67
1349	Shell-Thick	SLE-FREQ.	-1.7862	2.7127	-7.86	7.86
1349	Shell-Thick	SLE-FREQ.	-1.6709	3.3369	-7.75	7.86
1349	Shell-Thick	SLE-FREQ.	-0.5069	3.7410	-7.75	7.67
1349	Shell-Thick	SLE-FREQ.	-0.6072	3.0146	-7.86	7.67
1349	Shell-Thick	SLE-QP	-1.3051	1.5964	-6.44	4.72
1349	Shell-Thick	SLE-QP	-1.2447	1.9759	-6.42	4.72
1349	Shell-Thick	SLE-QP	-0.2842	2.3285	-6.42	4.68
1349	Shell-Thick	SLE-QP	-0.3361	1.8910	-6.44	4.68
1350	Shell-Thick	SLU-STATICA	-2.5530	4.6045	-11.08	13.93
1350	Shell-Thick	SLU-STATICA	-1.9339	5.6883	-10.85	13.93
1350	Shell-Thick	SLU-STATICA	-0.2860	6.6136	-10.85	13.49
1350	Shell-Thick	SLU-STATICA	-0.9110	5.6460	-11.08	13.49
1350	Shell-Thick	SLU-SISMICA	-3.7765	8.6047	-14.07	24.90
1350	Shell-Thick	SLU-SISMICA	-2.7090	10.4973	-13.59	24.90
1350	Shell-Thick	SLU-SISMICA	-0.6303	11.7407	-13.59	23.94
1350	Shell-Thick	SLU-SISMICA	-1.7045	9.9799	-14.07	23.94
1350	Shell-Thick	SLE-RARA	-1.8735	3.2897	-8.24	10.01
1350	Shell-Thick	SLE-RARA	-1.4268	4.0707	-8.09	10.01
1350	Shell-Thick	SLE-RARA	-0.1995	4.7560	-8.09	9.70
1350	Shell-Thick	SLE-RARA	-0.6507	4.0623	-8.24	9.70
1350	Shell-Thick	SLE-FREQ.	-1.7268	2.8798	-7.79	8.86
1350	Shell-Thick	SLE-FREQ.	-1.3279	3.5751	-7.66	8.86
1350	Shell-Thick	SLE-FREQ.	-0.1663	4.2174	-7.66	8.60
1350	Shell-Thick	SLE-FREQ.	-0.5695	3.6060	-7.79	8.60
1350	Shell-Thick	SLE-QP	-1.2866	1.6503	-6.45	5.42
1350	Shell-Thick	SLE-QP	-1.0313	2.0884	-6.39	5.42
1350	Shell-Thick	SLE-QP	-0.0667	2.6015	-6.39	5.31
1350	Shell-Thick	SLE-QP	-0.3257	2.2370	-6.45	5.31
1351	Shell-Thick	SLU-STATICA	-3.6382	4.0566	-12.28	7.32
1351	Shell-Thick	SLU-STATICA	-3.7632	4.5187	-12.38	7.32
1351	Shell-Thick	SLU-STATICA	-1.9403	5.6661	-12.38	7.50
1351	Shell-Thick	SLU-STATICA	-1.7618	4.8388	-12.28	7.50
1351	Shell-Thick	SLU-SISMICA	-6.0575	6.6153	-18.10	12.13
1351	Shell-Thick	SLU-SISMICA	-6.2797	7.3396	-17.70	12.13
1351	Shell-Thick	SLU-SISMICA	-3.6379	9.1218	-17.70	11.44
1351	Shell-Thick	SLU-SISMICA	-3.3274	7.7959	-18.10	11.44
1351	Shell-Thick	SLE-RARA	-2.6362	2.9464	-9.01	5.31
1351	Shell-Thick	SLE-RARA	-2.7262	3.2835	-9.11	5.31
1351	Shell-Thick	SLE-RARA	-1.3856	4.1212	-9.11	5.48
1351	Shell-Thick	SLE-RARA	-1.2570	3.5192	-9.01	5.48
1351	Shell-Thick	SLE-FREQ.	-2.3724	2.6634	-8.31	4.78
1351	Shell-Thick	SLE-FREQ.	-2.4522	2.9707	-8.45	4.78
1351	Shell-Thick	SLE-FREQ.	-1.2120	3.7356	-8.45	5.03
1351	Shell-Thick	SLE-FREQ.	-1.0973	3.1895	-8.31	5.03
1351	Shell-Thick	SLE-QP	-1.5809	1.8147	-6.21	3.21
1351	Shell-Thick	SLE-QP	-1.6301	2.0323	-6.46	3.21
1351	Shell-Thick	SLE-QP	-0.6909	2.5788	-6.46	3.65
1351	Shell-Thick	SLE-QP	-0.6183	2.2001	-6.21	3.65
1352	Shell-Thick	SLU-STATICA	-3.9248	3.7057	-12.38	7.96
1352	Shell-Thick	SLU-STATICA	-3.0535	4.4066	-12.44	7.96
1352	Shell-Thick	SLU-STATICA	-1.1915	5.7451	-12.44	8.06
1352	Shell-Thick	SLU-STATICA	-2.0640	5.0526	-12.38	8.06
1352	Shell-Thick	SLU-SISMICA	-6.4964	6.1092	-17.73	13.71
1352	Shell-Thick	SLU-SISMICA	-5.0521	7.2795	-17.41	13.71
1352	Shell-Thick	SLU-SISMICA	-2.4154	9.3250	-17.41	13.16
1352	Shell-Thick	SLU-SISMICA	-3.8601	8.1576	-17.73	13.16
1352	Shell-Thick	SLE-RARA	-2.8458	2.6882	-9.11	5.74
1352	Shell-Thick	SLE-RARA	-2.2142	3.1959	-9.18	5.74

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1352	Shell-Thick	SLE-RARA	-0.8418	4.1750	-9.18	5.85
1352	Shell-Thick	SLE-RARA	-1.4745	3.6739	-9.11	5.85
1352	Shell-Thick	SLE-FREQ.	-2.5643	2.4244	-8.45	5.13
1352	Shell-Thick	SLE-FREQ.	-1.9954	2.8810	-8.54	5.13
1352	Shell-Thick	SLE-FREQ.	-0.7205	3.7778	-8.54	5.29
1352	Shell-Thick	SLE-FREQ.	-1.2905	3.3281	-8.45	5.29
1352	Shell-Thick	SLE-QP	-1.7198	1.6330	-6.45	3.28
1352	Shell-Thick	SLE-QP	-1.3389	1.9363	-6.63	3.28
1352	Shell-Thick	SLE-QP	-0.3565	2.5864	-6.63	3.60
1352	Shell-Thick	SLE-QP	-0.7387	2.2909	-6.45	3.60
1353	Shell-Thick	SLU-STATICA	-3.2002	4.0638	-12.34	8.69
1353	Shell-Thick	SLU-STATICA	-3.2155	4.6645	-12.31	8.69
1353	Shell-Thick	SLU-STATICA	-1.3885	5.5737	-12.31	8.62
1353	Shell-Thick	SLU-STATICA	-1.3287	4.6685	-12.34	8.62
1353	Shell-Thick	SLU-SISMICA	-5.2530	6.8114	-17.28	15.39
1353	Shell-Thick	SLU-SISMICA	-5.2549	7.8593	-16.84	15.39
1353	Shell-Thick	SLU-SISMICA	-2.7326	9.1518	-16.84	14.62
1353	Shell-Thick	SLU-SISMICA	-2.6552	7.5893	-17.28	14.62
1353	Shell-Thick	SLE-RARA	-2.3226	2.9424	-9.11	6.25
1353	Shell-Thick	SLE-RARA	-2.3349	3.3753	-9.10	6.25
1353	Shell-Thick	SLE-RARA	-0.9852	4.0451	-9.10	6.24
1353	Shell-Thick	SLE-RARA	-0.9407	3.3920	-9.11	6.24
1353	Shell-Thick	SLE-FREQ.	-2.0967	2.6441	-8.48	5.54
1353	Shell-Thick	SLE-FREQ.	-2.1097	3.0295	-8.50	5.54
1353	Shell-Thick	SLE-FREQ.	-0.8504	3.6513	-8.50	5.59
1353	Shell-Thick	SLE-FREQ.	-0.8085	3.0683	-8.48	5.59
1353	Shell-Thick	SLE-QP	-1.4188	1.7490	-6.58	3.43
1353	Shell-Thick	SLE-QP	-1.4342	1.9922	-6.71	3.43
1353	Shell-Thick	SLE-QP	-0.4462	2.4699	-6.71	3.65
1353	Shell-Thick	SLE-QP	-0.4119	2.0973	-6.58	3.65
1354	Shell-Thick	SLU-STATICA	-3.3491	3.8531	-12.34	9.68
1354	Shell-Thick	SLU-STATICA	-2.5432	4.7049	-12.25	9.68
1354	Shell-Thick	SLU-STATICA	-0.6965	5.9426	-12.25	9.53
1354	Shell-Thick	SLU-STATICA	-1.5072	5.1237	-12.34	9.53
1354	Shell-Thick	SLU-SISMICA	-5.4395	6.6088	-16.91	17.37
1354	Shell-Thick	SLU-SISMICA	-4.0767	8.0993	-16.44	17.37
1354	Shell-Thick	SLU-SISMICA	-1.5721	9.9076	-16.44	16.56
1354	Shell-Thick	SLU-SISMICA	-2.9391	8.4472	-16.91	16.56
1354	Shell-Thick	SLE-RARA	-2.4336	2.7823	-9.12	6.95
1354	Shell-Thick	SLE-RARA	-1.8507	3.3960	-9.07	6.95
1354	Shell-Thick	SLE-RARA	-0.4842	4.3054	-9.07	6.87
1354	Shell-Thick	SLE-RARA	-1.0707	3.7168	-9.12	6.87
1354	Shell-Thick	SLE-FREQ.	-2.2018	2.4872	-8.52	6.15
1354	Shell-Thick	SLE-FREQ.	-1.6791	3.0333	-8.50	6.15
1354	Shell-Thick	SLE-FREQ.	-0.4003	3.8734	-8.50	6.12
1354	Shell-Thick	SLE-FREQ.	-0.9266	3.3521	-8.52	6.12
1354	Shell-Thick	SLE-QP	-1.5064	1.6020	-6.72	3.74
1354	Shell-Thick	SLE-QP	-1.1641	1.9452	-6.80	3.74
1354	Shell-Thick	SLE-QP	-0.1486	2.5774	-6.80	3.88
1354	Shell-Thick	SLE-QP	-0.4944	2.2578	-6.72	3.88
1355	Shell-Thick	SLU-STATICA	-2.6642	4.4603	-12.16	10.78
1355	Shell-Thick	SLU-STATICA	-2.5612	5.2667	-11.99	10.78
1355	Shell-Thick	SLU-STATICA	-0.7667	5.9331	-11.99	10.48
1355	Shell-Thick	SLU-STATICA	-0.8350	4.8897	-12.16	10.48
1355	Shell-Thick	SLU-SISMICA	-4.2461	7.7813	-16.32	19.41
1355	Shell-Thick	SLU-SISMICA	-4.0300	9.2197	-15.77	19.41
1355	Shell-Thick	SLU-SISMICA	-1.6534	10.0532	-15.77	18.46
1355	Shell-Thick	SLU-SISMICA	-1.8083	8.1978	-16.32	18.46
1355	Shell-Thick	SLE-RARA	-1.9400	3.2143	-9.01	7.74
1355	Shell-Thick	SLE-RARA	-1.8675	3.7939	-8.90	7.74
1355	Shell-Thick	SLE-RARA	-0.5368	4.2904	-8.90	7.55
1355	Shell-Thick	SLE-RARA	-0.5842	3.5403	-9.01	7.55
1355	Shell-Thick	SLE-FREQ.	-1.7621	2.8621	-8.44	6.84
1355	Shell-Thick	SLE-FREQ.	-1.7008	3.3755	-8.37	6.84
1355	Shell-Thick	SLE-FREQ.	-0.4507	3.8461	-8.37	6.71
1355	Shell-Thick	SLE-FREQ.	-0.4899	3.1811	-8.44	6.71
1355	Shell-Thick	SLE-QP	-1.2286	1.8056	-6.75	4.14
1355	Shell-Thick	SLE-QP	-1.2005	2.1203	-6.78	4.14
1355	Shell-Thick	SLE-QP	-0.1924	2.5129	-6.78	4.18

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1355	Shell-Thick	SLE-QP	-0.2067	2.1037	-6.75	4.18
1356	Shell-Thick	SLU-STATICA	-2.6696	4.4661	-12.05	12.13
1356	Shell-Thick	SLU-STATICA	-1.9170	5.5331	-11.82	12.13
1356	Shell-Thick	SLU-STATICA	-0.1225	6.6160	-11.82	11.73
1356	Shell-Thick	SLU-STATICA	-0.8836	5.6072	-12.05	11.73
1356	Shell-Thick	SLU-SISMICA	-4.1837	7.9780	-15.88	21.74
1356	Shell-Thick	SLU-SISMICA	-2.8959	9.8529	-15.28	21.74
1356	Shell-Thick	SLU-SISMICA	-0.5543	11.3602	-15.28	20.71
1356	Shell-Thick	SLU-SISMICA	-1.8502	9.5422	-15.88	20.71
1356	Shell-Thick	SLE-RARA	-1.9474	3.2091	-8.94	8.71
1356	Shell-Thick	SLE-RARA	-1.4038	3.9774	-8.78	8.71
1356	Shell-Thick	SLE-RARA	-0.0713	4.7768	-8.78	8.44
1356	Shell-Thick	SLE-RARA	-0.6214	4.0527	-8.94	8.44
1356	Shell-Thick	SLE-FREQ.	-1.7750	2.8414	-8.40	7.71
1356	Shell-Thick	SLE-FREQ.	-1.2888	3.5243	-8.28	7.71
1356	Shell-Thick	SLE-FREQ.	-0.0341	4.2692	-8.28	7.50
1356	Shell-Thick	SLE-FREQ.	-0.5266	3.6294	-8.40	7.50
1356	Shell-Thick	SLE-QP	-1.2576	1.7382	-6.80	4.70
1356	Shell-Thick	SLE-QP	-0.9436	2.1651	-6.77	4.70
1356	Shell-Thick	SLE-QP	0.0776	2.7462	-6.77	4.66
1356	Shell-Thick	SLE-QP	-0.2423	2.3595	-6.80	4.66
1357	Shell-Thick	SLU-STATICA	-2.0046	5.4254	-11.74	13.49
1357	Shell-Thick	SLU-STATICA	-1.8317	6.3064	-11.48	13.49
1357	Shell-Thick	SLU-STATICA	-0.0953	6.7131	-11.48	12.98
1357	Shell-Thick	SLU-STATICA	-0.2568	5.6144	-11.74	12.98
1357	Shell-Thick	SLU-SISMICA	-3.0206	9.7490	-15.16	23.96
1357	Shell-Thick	SLU-SISMICA	-2.6902	11.2963	-14.61	23.96
1357	Shell-Thick	SLU-SISMICA	-0.4678	11.6810	-14.61	22.84
1357	Shell-Thick	SLU-SISMICA	-0.7770	9.7268	-15.16	22.84
1357	Shell-Thick	SLE-RARA	-1.4683	3.8956	-8.72	9.70
1357	Shell-Thick	SLE-RARA	-1.3452	4.5300	-8.55	9.70
1357	Shell-Thick	SLE-RARA	-0.0537	4.8393	-8.55	9.34
1357	Shell-Thick	SLE-RARA	-0.1687	4.0493	-8.72	9.34
1357	Shell-Thick	SLE-FREQ.	-1.3486	3.4443	-8.23	8.60
1357	Shell-Thick	SLE-FREQ.	-1.2415	4.0082	-8.08	8.60
1357	Shell-Thick	SLE-FREQ.	-0.0218	4.3117	-8.08	8.30
1357	Shell-Thick	SLE-FREQ.	-0.1218	3.6115	-8.23	8.30
1357	Shell-Thick	SLE-QP	-0.9895	2.0901	-6.74	5.30
1357	Shell-Thick	SLE-QP	-0.9303	2.4429	-6.68	5.30
1357	Shell-Thick	SLE-QP	0.0740	2.7289	-6.68	5.18
1357	Shell-Thick	SLE-QP	0.0189	2.2981	-6.74	5.18
1358	Shell-Thick	SLU-STATICA	-3.1245	4.8391	-13.24	8.07
1358	Shell-Thick	SLU-STATICA	-3.2233	5.3402	-13.20	8.07
1358	Shell-Thick	SLU-STATICA	-1.2685	6.3710	-13.20	7.99
1358	Shell-Thick	SLU-STATICA	-1.1119	5.4750	-13.24	7.99
1358	Shell-Thick	SLU-SISMICA	-5.2581	7.9106	-19.47	13.19
1358	Shell-Thick	SLU-SISMICA	-5.4435	8.6868	-18.86	13.19
1358	Shell-Thick	SLU-SISMICA	-2.6163	10.2536	-18.86	12.14
1358	Shell-Thick	SLU-SISMICA	-2.3353	8.8260	-19.47	12.14
1358	Shell-Thick	SLE-RARA	-2.2613	3.5137	-9.72	5.86
1358	Shell-Thick	SLE-RARA	-2.3318	3.8798	-9.72	5.86
1358	Shell-Thick	SLE-RARA	-0.8941	4.6341	-9.72	5.85
1358	Shell-Thick	SLE-RARA	-0.7816	3.9817	-9.72	5.85
1358	Shell-Thick	SLE-FREQ.	-2.0302	3.1747	-8.97	5.29
1358	Shell-Thick	SLE-FREQ.	-2.0919	3.5091	-9.02	5.29
1358	Shell-Thick	SLE-FREQ.	-0.7613	4.2008	-9.02	5.37
1358	Shell-Thick	SLE-FREQ.	-0.6618	3.6081	-8.97	5.37
1358	Shell-Thick	SLE-QP	-1.3369	2.1575	-6.72	3.59
1358	Shell-Thick	SLE-QP	-1.3720	2.3970	-6.90	3.59
1358	Shell-Thick	SLE-QP	-0.3628	2.9008	-6.90	3.91
1358	Shell-Thick	SLE-QP	-0.3023	2.4875	-6.72	3.91
1359	Shell-Thick	SLU-STATICA	-3.3843	4.4264	-13.22	8.74
1359	Shell-Thick	SLU-STATICA	-2.4712	5.1881	-13.18	8.74
1359	Shell-Thick	SLU-STATICA	-0.4899	6.5551	-13.18	8.67
1359	Shell-Thick	SLU-STATICA	-1.4042	5.8019	-13.22	8.67
1359	Shell-Thick	SLU-SISMICA	-5.6577	7.3001	-18.92	14.84
1359	Shell-Thick	SLU-SISMICA	-4.1527	8.5565	-18.45	14.84
1359	Shell-Thick	SLU-SISMICA	-1.3488	10.6357	-18.45	14.02
1359	Shell-Thick	SLU-SISMICA	-2.8539	9.3813	-18.92	14.02

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1359	Shell-Thick	SLE-RARA	-2.4511	3.2109	-9.73	6.32
1359	Shell-Thick	SLE-RARA	-1.7888	3.7634	-9.72	6.32
1359	Shell-Thick	SLE-RARA	-0.3285	4.7637	-9.72	6.30
1359	Shell-Thick	SLE-RARA	-0.9918	4.2180	-9.73	6.30
1359	Shell-Thick	SLE-FREQ.	-2.2038	2.8956	-9.03	5.66
1359	Shell-Thick	SLE-FREQ.	-1.6065	3.3937	-9.05	5.66
1359	Shell-Thick	SLE-FREQ.	-0.2498	4.3109	-9.05	5.71
1359	Shell-Thick	SLE-FREQ.	-0.8482	3.8199	-9.03	5.71
1359	Shell-Thick	SLE-QP	-1.4620	1.9496	-6.90	3.69
1359	Shell-Thick	SLE-QP	-1.0596	2.2849	-7.03	3.69
1359	Shell-Thick	SLE-QP	-0.0137	2.9525	-7.03	3.92
1359	Shell-Thick	SLE-QP	-0.4174	2.6254	-6.90	3.92
1360	Shell-Thick	SLU-STATICA	-2.6163	4.9028	-13.08	9.53
1360	Shell-Thick	SLU-STATICA	-2.6059	5.5598	-12.93	9.53
1360	Shell-Thick	SLU-STATICA	-0.6788	6.3336	-12.93	9.28
1360	Shell-Thick	SLU-STATICA	-0.6420	5.3545	-13.08	9.28
1360	Shell-Thick	SLU-SISMICA	-4.3496	8.1997	-18.30	16.59
1360	Shell-Thick	SLU-SISMICA	-4.3141	9.3247	-17.69	16.59
1360	Shell-Thick	SLU-SISMICA	-1.6537	10.3765	-17.69	15.54
1360	Shell-Thick	SLU-SISMICA	-1.6091	8.7064	-18.30	15.54
1360	Shell-Thick	SLE-RARA	-1.8961	3.5508	-9.65	6.87
1360	Shell-Thick	SLE-RARA	-1.8895	4.0253	-9.56	6.87
1360	Shell-Thick	SLE-RARA	-0.4658	4.5978	-9.56	6.72
1360	Shell-Thick	SLE-RARA	-0.4383	3.8903	-9.65	6.72
1360	Shell-Thick	SLE-FREQ.	-1.7069	3.1923	-8.98	6.12
1360	Shell-Thick	SLE-FREQ.	-1.7025	3.6166	-8.93	6.12
1360	Shell-Thick	SLE-FREQ.	-0.3742	4.1522	-8.93	6.04
1360	Shell-Thick	SLE-FREQ.	-0.3480	3.5189	-8.98	6.04
1360	Shell-Thick	SLE-QP	-1.1394	2.1169	-6.98	3.87
1360	Shell-Thick	SLE-QP	-1.1416	2.3907	-7.05	3.87
1360	Shell-Thick	SLE-QP	-0.0993	2.8153	-7.05	3.99
1360	Shell-Thick	SLE-QP	-0.0771	2.4048	-6.98	3.99
1361	Shell-Thick	SLU-STATICA	-2.7391	4.6460	-12.98	10.58
1361	Shell-Thick	SLU-STATICA	-1.9057	5.5681	-12.79	10.58
1361	Shell-Thick	SLU-STATICA	0.0298	6.8217	-12.79	10.24
1361	Shell-Thick	SLU-STATICA	-0.8085	5.9328	-12.98	10.24
1361	Shell-Thick	SLU-SISMICA	-4.4967	7.9181	-17.80	18.64
1361	Shell-Thick	SLU-SISMICA	-3.0970	9.5066	-17.18	18.64
1361	Shell-Thick	SLU-SISMICA	-0.4705	11.3283	-17.18	17.56
1361	Shell-Thick	SLU-SISMICA	-1.8741	9.7681	-17.80	17.56
1361	Shell-Thick	SLE-RARA	-1.9880	3.3575	-9.60	7.61
1361	Shell-Thick	SLE-RARA	-1.3846	4.0229	-9.47	7.61
1361	Shell-Thick	SLE-RARA	0.0475	4.9445	-9.47	7.39
1361	Shell-Thick	SLE-RARA	-0.5595	4.3044	-9.60	7.39
1361	Shell-Thick	SLE-FREQ.	-1.7945	3.0058	-8.96	6.76
1361	Shell-Thick	SLE-FREQ.	-1.2526	3.6001	-8.87	6.76
1361	Shell-Thick	SLE-FREQ.	0.0874	4.4523	-8.87	6.61
1361	Shell-Thick	SLE-FREQ.	-0.4581	3.8831	-8.96	6.61
1361	Shell-Thick	SLE-QP	-1.2141	1.9507	-7.06	4.21
1361	Shell-Thick	SLE-QP	-0.8565	2.3315	-7.09	4.21
1361	Shell-Thick	SLE-QP	0.2072	2.9755	-7.09	4.26
1361	Shell-Thick	SLE-QP	-0.1540	2.6192	-7.06	4.26
1362	Shell-Thick	SLU-STATICA	-2.0253	5.3811	-12.69	11.74
1362	Shell-Thick	SLU-STATICA	-1.8918	6.2599	-12.41	11.74
1362	Shell-Thick	SLU-STATICA	-0.0268	6.7592	-12.41	11.25
1362	Shell-Thick	SLU-STATICA	-0.1247	5.6380	-12.69	11.25
1362	Shell-Thick	SLU-SISMICA	-3.2631	9.2963	-17.03	20.75
1362	Shell-Thick	SLU-SISMICA	-3.0010	10.8342	-16.33	20.75
1362	Shell-Thick	SLU-SISMICA	-0.5294	11.3832	-16.33	19.53
1362	Shell-Thick	SLU-SISMICA	-0.7286	9.4171	-17.03	19.53
1362	Shell-Thick	SLE-RARA	-1.4730	3.8824	-9.40	8.44
1362	Shell-Thick	SLE-RARA	-1.3782	4.5154	-9.21	8.44
1362	Shell-Thick	SLE-RARA	0.0048	4.8913	-9.21	8.12
1362	Shell-Thick	SLE-RARA	-0.0644	4.0839	-9.40	8.12
1362	Shell-Thick	SLE-FREQ.	-1.3349	3.4649	-8.81	7.50
1362	Shell-Thick	SLE-FREQ.	-1.2531	4.0282	-8.66	7.50
1362	Shell-Thick	SLE-FREQ.	0.0459	4.3907	-8.66	7.23
1362	Shell-Thick	SLE-FREQ.	-0.0132	3.6726	-8.81	7.23
1362	Shell-Thick	SLE-QP	-0.9208	2.2125	-7.04	4.65

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1362	Shell-Thick	SLE-QP	-0.8776	2.5664	-7.01	4.65
1362	Shell-Thick	SLE-QP	0.1695	2.8889	-7.01	4.59
1362	Shell-Thick	SLE-QP	0.1404	2.4388	-7.04	4.59
1363	Shell-Thick	SLU-STATICA	-1.9928	5.3678	-12.50	13.04
1363	Shell-Thick	SLU-STATICA	-1.3224	6.3671	-12.21	13.04
1363	Shell-Thick	SLU-STATICA	0.5334	7.4791	-12.21	12.46
1363	Shell-Thick	SLU-STATICA	-0.1417	6.5712	-12.50	12.46
1363	Shell-Thick	SLU-SISMICA	-3.1428	9.4530	-16.48	22.96
1363	Shell-Thick	SLU-SISMICA	-2.0051	11.1741	-15.85	22.96
1363	Shell-Thick	SLU-SISMICA	0.4231	12.7243	-15.85	21.69
1363	Shell-Thick	SLU-SISMICA	-0.7195	11.1047	-16.48	21.69
1363	Shell-Thick	SLE-RARA	-1.4527	3.8638	-9.27	9.38
1363	Shell-Thick	SLE-RARA	-0.9680	4.5851	-9.07	9.38
1363	Shell-Thick	SLE-RARA	0.4096	5.4059	-9.07	8.98
1363	Shell-Thick	SLE-RARA	-0.0786	4.7534	-9.27	8.98
1363	Shell-Thick	SLE-FREQ.	-1.3224	3.4328	-8.71	8.34
1363	Shell-Thick	SLE-FREQ.	-0.8880	4.0770	-8.55	8.34
1363	Shell-Thick	SLE-FREQ.	0.4086	4.8415	-8.55	8.00
1363	Shell-Thick	SLE-FREQ.	-0.0292	4.2636	-8.71	8.00
1363	Shell-Thick	SLE-QP	-0.9315	2.1398	-7.05	5.19
1363	Shell-Thick	SLE-QP	-0.6481	2.5527	-6.98	5.19
1363	Shell-Thick	SLE-QP	0.4055	3.1485	-6.98	5.06
1363	Shell-Thick	SLE-QP	0.1191	2.7943	-7.05	5.06
1364	Shell-Thick	SLU-STATICA	-2.5152	5.5900	-14.00	8.68
1364	Shell-Thick	SLU-STATICA	-2.6042	6.1220	-13.82	8.68
1364	Shell-Thick	SLU-STATICA	-0.5478	7.0222	-13.82	8.37
1364	Shell-Thick	SLU-STATICA	-0.3972	6.0702	-14.00	8.37
1364	Shell-Thick	SLU-SISMICA	-4.3111	9.1410	-20.53	14.07
1364	Shell-Thick	SLU-SISMICA	-4.4832	9.9577	-19.72	14.07
1364	Shell-Thick	SLU-SISMICA	-1.5144	11.2887	-19.72	12.67
1364	Shell-Thick	SLU-SISMICA	-1.2406	9.7789	-20.53	12.67
1364	Shell-Thick	SLE-RARA	-1.8164	4.0588	-10.28	6.31
1364	Shell-Thick	SLE-RARA	-1.8797	4.4478	-10.18	6.31
1364	Shell-Thick	SLE-RARA	-0.3669	5.1084	-10.18	6.13
1364	Shell-Thick	SLE-RARA	-0.2590	4.4149	-10.28	6.13
1364	Shell-Thick	SLE-FREQ.	-1.6240	3.6669	-9.49	5.71
1364	Shell-Thick	SLE-FREQ.	-1.6789	4.0229	-9.44	5.71
1364	Shell-Thick	SLE-FREQ.	-0.2785	4.6319	-9.44	5.63
1364	Shell-Thick	SLE-FREQ.	-0.1833	4.0012	-9.49	5.63
1364	Shell-Thick	SLE-QP	-1.0469	2.4912	-7.12	3.92
1364	Shell-Thick	SLE-QP	-1.0767	2.7482	-7.24	3.92
1364	Shell-Thick	SLE-QP	-0.0130	3.2021	-7.24	4.11
1364	Shell-Thick	SLE-QP	0.0438	2.7603	-7.12	4.11
1365	Shell-Thick	SLU-STATICA	-2.7630	5.1124	-13.87	9.40
1365	Shell-Thick	SLU-STATICA	-1.8170	5.9239	-13.73	9.40
1365	Shell-Thick	SLU-STATICA	0.2536	7.3131	-13.73	9.16
1365	Shell-Thick	SLU-STATICA	-0.6935	6.5097	-13.87	9.16
1365	Shell-Thick	SLU-SISMICA	-4.6931	8.4213	-19.83	15.77
1365	Shell-Thick	SLU-SISMICA	-3.1409	9.7473	-19.21	15.77
1365	Shell-Thick	SLU-SISMICA	-0.2123	11.8520	-19.21	14.71
1365	Shell-Thick	SLU-SISMICA	-1.7642	10.5263	-19.83	14.71
1365	Shell-Thick	SLE-RARA	-1.9974	3.7090	-10.21	6.81
1365	Shell-Thick	SLE-RARA	-1.3108	4.2982	-10.13	6.81
1365	Shell-Thick	SLE-RARA	0.2154	5.3153	-10.13	6.66
1365	Shell-Thick	SLE-RARA	-0.4721	4.7325	-10.21	6.66
1365	Shell-Thick	SLE-FREQ.	-1.7896	3.3456	-9.47	6.12
1365	Shell-Thick	SLE-FREQ.	-1.1697	3.8780	-9.43	6.12
1365	Shell-Thick	SLE-FREQ.	0.2483	4.8112	-9.43	6.04
1365	Shell-Thick	SLE-FREQ.	-0.3725	4.2858	-9.47	6.04
1365	Shell-Thick	SLE-QP	-1.1660	2.2555	-7.24	4.04
1365	Shell-Thick	SLE-QP	-0.7463	2.6175	-7.33	4.04
1365	Shell-Thick	SLE-QP	0.3473	3.2990	-7.33	4.18
1365	Shell-Thick	SLE-QP	-0.0736	2.9454	-7.24	4.18
1366	Shell-Thick	SLU-STATICA	-1.9594	5.7139	-13.61	10.25
1366	Shell-Thick	SLU-STATICA	-1.9285	6.4187	-13.35	10.25
1366	Shell-Thick	SLU-STATICA	0.0690	7.0188	-13.35	9.80
1366	Shell-Thick	SLU-STATICA	0.0872	5.9789	-13.61	9.80
1366	Shell-Thick	SLU-SISMICA	-3.3326	9.5277	-19.04	17.60
1366	Shell-Thick	SLU-SISMICA	-3.2653	10.7180	-18.27	17.60

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1366	Shell-Thick	SLU-SISMICA	-0.5083	11.4710	-18.27	16.28
1366	Shell-Thick	SLU-SISMICA	-0.4922	9.7137	-19.04	16.28
1366	Shell-Thick	SLE-RARA	-1.4163	4.1397	-10.04	7.40
1366	Shell-Thick	SLE-RARA	-1.3947	4.6495	-9.87	7.40
1366	Shell-Thick	SLE-RARA	0.0811	5.0966	-9.87	7.11
1366	Shell-Thick	SLE-RARA	0.0950	4.3444	-10.04	7.11
1366	Shell-Thick	SLE-FREQ.	-1.2686	3.7242	-9.35	6.62
1366	Shell-Thick	SLE-FREQ.	-1.2504	4.1816	-9.22	6.62
1366	Shell-Thick	SLE-FREQ.	0.1265	4.6050	-9.22	6.40
1366	Shell-Thick	SLE-FREQ.	0.1402	3.9303	-9.35	6.40
1366	Shell-Thick	SLE-QP	-0.8253	2.4777	-7.26	4.26
1366	Shell-Thick	SLE-QP	-0.8177	2.7777	-7.28	4.26
1366	Shell-Thick	SLE-QP	0.2629	3.1303	-7.28	4.28
1366	Shell-Thick	SLE-QP	0.2761	2.6882	-7.26	4.28
1367	Shell-Thick	SLU-STATICA	-2.0593	5.3968	-13.43	11.36
1367	Shell-Thick	SLU-STATICA	-1.2077	6.3774	-13.12	11.36
1367	Shell-Thick	SLU-STATICA	0.7865	7.6426	-13.12	10.83
1367	Shell-Thick	SLU-STATICA	-0.0696	6.6936	-13.43	10.83
1367	Shell-Thick	SLU-SISMICA	-3.4434	9.1449	-18.42	19.72
1367	Shell-Thick	SLU-SISMICA	-2.0212	10.8141	-17.65	19.72
1367	Shell-Thick	SLU-SISMICA	0.6863	12.6453	-17.65	18.38
1367	Shell-Thick	SLU-SISMICA	-0.7390	11.0000	-18.42	18.38
1367	Shell-Thick	SLE-RARA	-1.4914	3.9026	-9.93	8.19
1367	Shell-Thick	SLE-RARA	-0.8746	4.6113	-9.72	8.19
1367	Shell-Thick	SLE-RARA	0.6009	5.5418	-9.72	7.83
1367	Shell-Thick	SLE-RARA	-0.0194	4.8574	-9.93	7.83
1367	Shell-Thick	SLE-FREQ.	-1.3409	3.4984	-9.27	7.30
1367	Shell-Thick	SLE-FREQ.	-0.7862	4.1330	-9.11	7.30
1367	Shell-Thick	SLE-FREQ.	0.5944	4.9940	-9.11	7.01
1367	Shell-Thick	SLE-FREQ.	0.0361	4.3838	-9.27	7.01
1367	Shell-Thick	SLE-QP	-0.8894	2.2856	-7.31	4.63
1367	Shell-Thick	SLE-QP	-0.5210	2.6981	-7.27	4.63
1367	Shell-Thick	SLE-QP	0.5746	3.3507	-7.27	4.57
1367	Shell-Thick	SLE-QP	0.2026	2.9628	-7.31	4.57
1368	Shell-Thick	SLU-STATICA	-1.3139	6.3603	-13.00	12.48
1368	Shell-Thick	SLU-STATICA	-1.1900	7.1110	-12.68	12.48
1368	Shell-Thick	SLU-STATICA	0.7281	7.3667	-12.68	11.82
1368	Shell-Thick	SLU-STATICA	0.6207	6.2998	-13.00	11.82
1368	Shell-Thick	SLU-SISMICA	-2.1662	10.8874	-17.46	21.74
1368	Shell-Thick	SLU-SISMICA	-1.9290	12.1818	-16.74	21.74
1368	Shell-Thick	SLU-SISMICA	0.6217	12.3327	-16.74	20.29
1368	Shell-Thick	SLU-SISMICA	0.4135	10.4826	-17.46	20.29
1368	Shell-Thick	SLE-RARA	-0.9531	4.5938	-9.63	8.99
1368	Shell-Thick	SLE-RARA	-0.8649	5.1356	-9.40	8.99
1368	Shell-Thick	SLE-RARA	0.5570	5.3346	-9.40	8.53
1368	Shell-Thick	SLE-RARA	0.4806	4.5652	-9.63	8.53
1368	Shell-Thick	SLE-FREQ.	-0.8596	4.1085	-9.03	8.01
1368	Shell-Thick	SLE-FREQ.	-0.7828	4.5923	-8.84	8.01
1368	Shell-Thick	SLE-FREQ.	0.5520	4.7949	-8.84	7.63
1368	Shell-Thick	SLE-FREQ.	0.4858	4.1089	-9.03	7.63
1368	Shell-Thick	SLE-QP	-0.5789	2.6526	-7.22	5.06
1368	Shell-Thick	SLE-QP	-0.5367	2.9622	-7.14	5.06
1368	Shell-Thick	SLE-QP	0.5371	3.1760	-7.14	4.91
1368	Shell-Thick	SLE-QP	0.5013	2.7400	-7.22	4.91
1369	Shell-Thick	SLU-STATICA	-1.8388	6.3009	-14.56	9.18
1369	Shell-Thick	SLU-STATICA	-1.9322	6.8557	-14.25	9.18
1369	Shell-Thick	SLU-STATICA	0.1965	7.6116	-14.25	8.64
1369	Shell-Thick	SLU-STATICA	0.3545	6.6160	-14.56	8.64
1369	Shell-Thick	SLU-SISMICA	-3.2578	10.2943	-21.31	14.77
1369	Shell-Thick	SLU-SISMICA	-3.4360	11.1406	-20.31	14.77
1369	Shell-Thick	SLU-SISMICA	-0.3674	12.2158	-20.31	13.05
1369	Shell-Thick	SLU-SISMICA	-0.0823	10.6426	-21.31	13.05
1369	Shell-Thick	SLE-RARA	-1.3226	4.5754	-10.70	6.68
1369	Shell-Thick	SLE-RARA	-1.3891	4.9814	-10.49	6.68
1369	Shell-Thick	SLE-RARA	0.1770	5.5382	-10.49	6.33
1369	Shell-Thick	SLE-RARA	0.2904	4.8125	-10.70	6.33
1369	Shell-Thick	SLE-FREQ.	-1.1734	4.1344	-9.88	6.05
1369	Shell-Thick	SLE-FREQ.	-1.2313	4.5064	-9.74	6.05
1369	Shell-Thick	SLE-FREQ.	0.2190	5.0232	-9.74	5.81

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1369	Shell-Thick	SLE-FREQ.	0.3191	4.3630	-9.88	5.81
1369	Shell-Thick	SLE-QP	-0.7257	2.8114	-7.42	4.18
1369	Shell-Thick	SLE-QP	-0.7578	3.0816	-7.47	4.18
1369	Shell-Thick	SLE-QP	0.3449	3.4784	-7.47	4.26
1369	Shell-Thick	SLE-QP	0.4054	3.0143	-7.42	4.26
1370	Shell-Thick	SLU-STATICA	-2.0887	5.7380	-14.32	9.94
1370	Shell-Thick	SLU-STATICA	-1.1137	6.5879	-14.08	9.94
1370	Shell-Thick	SLU-STATICA	1.0174	8.0153	-14.08	9.53
1370	Shell-Thick	SLU-STATICA	0.0416	7.1718	-14.32	9.53
1370	Shell-Thick	SLU-SISMICA	-3.6420	9.4337	-20.46	16.53
1370	Shell-Thick	SLU-SISMICA	-2.0485	10.8130	-19.71	16.53
1370	Shell-Thick	SLU-SISMICA	0.9645	12.9707	-19.71	15.22
1370	Shell-Thick	SLU-SISMICA	-0.6283	11.5881	-20.46	15.22
1370	Shell-Thick	SLE-RARA	-1.5053	4.1638	-10.54	7.20
1370	Shell-Thick	SLE-RARA	-0.7973	4.7814	-10.39	7.20
1370	Shell-Thick	SLE-RARA	0.7736	5.8266	-10.39	6.94
1370	Shell-Thick	SLE-RARA	0.0649	5.2143	-10.54	6.94
1370	Shell-Thick	SLE-FREQ.	-1.3406	3.7574	-9.78	6.48
1370	Shell-Thick	SLE-FREQ.	-0.7009	4.3163	-9.67	6.48
1370	Shell-Thick	SLE-FREQ.	0.7589	5.2757	-9.67	6.30
1370	Shell-Thick	SLE-FREQ.	0.1183	4.7228	-9.78	6.30
1370	Shell-Thick	SLE-QP	-0.8463	2.5383	-7.49	4.33
1370	Shell-Thick	SLE-QP	-0.4114	2.9210	-7.52	4.33
1370	Shell-Thick	SLE-QP	0.7147	3.6229	-7.52	4.38
1370	Shell-Thick	SLE-QP	0.2787	3.2483	-7.49	4.38
1371	Shell-Thick	SLU-STATICA	-1.2552	6.4783	-13.94	10.85
1371	Shell-Thick	SLU-STATICA	-1.2034	7.2227	-13.57	10.85
1371	Shell-Thick	SLU-STATICA	0.8351	7.5844	-13.57	10.20
1371	Shell-Thick	SLU-STATICA	0.8335	6.4979	-13.94	10.20
1371	Shell-Thick	SLU-SISMICA	-2.2381	10.7681	-19.49	18.43
1371	Shell-Thick	SLU-SISMICA	-2.1359	12.0129	-18.57	18.43
1371	Shell-Thick	SLU-SISMICA	0.6769	12.3679	-18.57	16.84
1371	Shell-Thick	SLU-SISMICA	0.6598	10.5441	-19.49	16.84
1371	Shell-Thick	SLE-RARA	-0.9021	4.6951	-10.29	7.84
1371	Shell-Thick	SLE-RARA	-0.8654	5.2343	-10.03	7.84
1371	Shell-Thick	SLE-RARA	0.6406	5.5086	-10.03	7.40
1371	Shell-Thick	SLE-RARA	0.6402	4.7221	-10.29	7.40
1371	Shell-Thick	SLE-FREQ.	-0.7991	4.2268	-9.58	7.02
1371	Shell-Thick	SLE-FREQ.	-0.7674	4.7116	-9.37	7.02
1371	Shell-Thick	SLE-FREQ.	0.6378	4.9797	-9.37	6.67
1371	Shell-Thick	SLE-FREQ.	0.6387	4.2732	-9.58	6.67
1371	Shell-Thick	SLE-QP	-0.4900	2.8219	-7.45	4.57
1371	Shell-Thick	SLE-QP	-0.4735	3.1434	-7.40	4.57
1371	Shell-Thick	SLE-QP	0.6295	3.3929	-7.40	4.49
1371	Shell-Thick	SLE-QP	0.6342	2.9263	-7.45	4.49
1372	Shell-Thick	SLU-STATICA	-1.3241	6.0613	-13.69	11.91
1372	Shell-Thick	SLU-STATICA	-0.5824	6.9542	-13.33	11.91
1372	Shell-Thick	SLU-STATICA	1.4464	8.3116	-13.33	11.19
1372	Shell-Thick	SLU-STATICA	0.7019	7.4766	-13.69	11.19
1372	Shell-Thick	SLU-SISMICA	-2.2990	10.2173	-18.79	20.46
1372	Shell-Thick	SLU-SISMICA	-1.0676	11.7177	-17.99	20.46
1372	Shell-Thick	SLU-SISMICA	1.6927	13.6970	-17.99	18.85
1372	Shell-Thick	SLU-SISMICA	0.4586	12.2570	-18.79	18.85
1372	Shell-Thick	SLE-RARA	-0.9547	4.3858	-10.12	8.60
1372	Shell-Thick	SLE-RARA	-0.4171	5.0321	-9.87	8.60
1372	Shell-Thick	SLE-RARA	1.0837	6.0297	-9.87	8.09
1372	Shell-Thick	SLE-RARA	0.5439	5.4271	-10.12	8.09
1372	Shell-Thick	SLE-FREQ.	-0.8511	3.9361	-9.45	7.68
1372	Shell-Thick	SLE-FREQ.	-0.3669	4.5166	-9.24	7.68
1372	Shell-Thick	SLE-FREQ.	1.0367	5.4384	-9.24	7.27
1372	Shell-Thick	SLE-FREQ.	0.5505	4.9005	-9.45	7.27
1372	Shell-Thick	SLE-QP	-0.5401	2.5871	-7.45	4.94
1372	Shell-Thick	SLE-QP	-0.2165	2.9700	-7.37	4.94
1372	Shell-Thick	SLE-QP	0.8959	3.6647	-7.37	4.78
1372	Shell-Thick	SLE-QP	0.5703	3.3204	-7.45	4.78
1373	Shell-Thick	SLU-STATICA	-1.1131	6.9689	-14.93	9.55
1373	Shell-Thick	SLU-STATICA	-1.2244	7.5388	-14.50	9.55
1373	Shell-Thick	SLU-STATICA	0.9495	8.1350	-14.50	8.81
1373	Shell-Thick	SLU-STATICA	1.1279	7.1078	-14.93	8.81



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1373	Shell-Thick	SLU-SISMICA	-2.1208	11.3685	-21.81	15.29
1373	Shell-Thick	SLU-SISMICA	-2.3241	12.2341	-20.64	15.29
1373	Shell-Thick	SLU-SISMICA	0.8056	13.0295	-20.64	13.27
1373	Shell-Thick	SLU-SISMICA	1.1197	11.4107	-21.81	13.27
1373	Shell-Thick	SLE-RARA	-0.7932	5.0614	-10.97	6.95
1373	Shell-Thick	SLE-RARA	-0.8730	5.4785	-10.68	6.95
1373	Shell-Thick	SLE-RARA	0.7266	5.9203	-10.68	6.45
1373	Shell-Thick	SLE-RARA	0.8550	5.1715	-10.97	6.45
1373	Shell-Thick	SLE-FREQ.	-0.6909	4.5750	-10.13	6.31
1373	Shell-Thick	SLE-FREQ.	-0.7610	4.9576	-9.91	6.31
1373	Shell-Thick	SLE-FREQ.	0.7205	5.3721	-9.91	5.92
1373	Shell-Thick	SLE-FREQ.	0.8346	4.6903	-10.13	5.92
1373	Shell-Thick	SLE-QP	-0.3837	3.1160	-7.62	4.38
1373	Shell-Thick	SLE-QP	-0.4253	3.3947	-7.60	4.38
1373	Shell-Thick	SLE-QP	0.7023	3.7275	-7.60	4.35
1373	Shell-Thick	SLE-QP	0.7734	3.2470	-7.62	4.35
1374	Shell-Thick	SLU-STATICA	-1.3814	6.2624	-14.60	10.35
1374	Shell-Thick	SLU-STATICA	-0.3632	7.1373	-14.26	10.35
1374	Shell-Thick	SLU-STATICA	1.8026	8.6744	-14.26	9.76
1374	Shell-Thick	SLU-STATICA	0.7844	7.8006	-14.60	9.76
1374	Shell-Thick	SLU-SISMICA	-2.5304	10.2751	-20.85	17.10
1374	Shell-Thick	SLU-SISMICA	-0.8734	11.6888	-19.96	17.10
1374	Shell-Thick	SLU-SISMICA	2.1869	14.0159	-19.96	15.55
1374	Shell-Thick	SLU-SISMICA	0.5321	12.5896	-20.85	15.55
1374	Shell-Thick	SLE-RARA	-0.9895	4.5453	-10.76	7.50
1374	Shell-Thick	SLE-RARA	-0.2498	5.1814	-10.53	7.50
1374	Shell-Thick	SLE-RARA	1.3467	6.3068	-10.53	7.10
1374	Shell-Thick	SLE-RARA	0.6069	5.6722	-10.76	7.10
1374	Shell-Thick	SLE-FREQ.	-0.8707	4.1035	-9.98	6.76
1374	Shell-Thick	SLE-FREQ.	-0.2017	4.6796	-9.80	6.76
1374	Shell-Thick	SLE-FREQ.	1.2819	5.7123	-9.80	6.45
1374	Shell-Thick	SLE-FREQ.	0.6127	5.1388	-9.98	6.45
1374	Shell-Thick	SLE-QP	-0.5142	2.7779	-7.64	4.54
1374	Shell-Thick	SLE-QP	-0.0575	3.1742	-7.62	4.54
1374	Shell-Thick	SLE-QP	1.0876	3.9289	-7.62	4.50
1374	Shell-Thick	SLE-QP	0.6300	3.5386	-7.64	4.50
1375	Shell-Thick	SLU-STATICA	-0.4953	7.2941	-14.07	11.22
1375	Shell-Thick	SLU-STATICA	-0.4105	7.8832	-13.66	11.22
1375	Shell-Thick	SLU-STATICA	1.6582	7.8536	-13.66	10.39
1375	Shell-Thick	SLU-STATICA	1.5963	6.8256	-14.07	10.39
1375	Shell-Thick	SLU-SISMICA	-1.0497	12.0791	-19.66	18.93
1375	Shell-Thick	SLU-SISMICA	-0.8956	13.0557	-18.74	18.93
1375	Shell-Thick	SLU-SISMICA	1.9652	12.7738	-18.74	17.07
1375	Shell-Thick	SLU-SISMICA	1.8496	11.0572	-19.66	17.07
1375	Shell-Thick	SLE-RARA	-0.3477	5.2886	-10.38	8.12
1375	Shell-Thick	SLE-RARA	-0.2869	5.7157	-10.10	8.12
1375	Shell-Thick	SLE-RARA	1.2412	5.7058	-10.10	7.54
1375	Shell-Thick	SLE-RARA	1.1969	4.9612	-10.38	7.54
1375	Shell-Thick	SLE-FREQ.	-0.2936	4.7650	-9.67	7.29
1375	Shell-Thick	SLE-FREQ.	-0.2400	5.1497	-9.43	7.29
1375	Shell-Thick	SLE-FREQ.	1.1854	5.1608	-9.43	6.81
1375	Shell-Thick	SLE-FREQ.	1.1466	4.4911	-9.67	6.81
1375	Shell-Thick	SLE-QP	-0.1311	3.1941	-7.52	4.79
1375	Shell-Thick	SLE-QP	-0.0992	3.4517	-7.43	4.79
1375	Shell-Thick	SLE-QP	1.0179	3.5257	-7.43	4.60
1375	Shell-Thick	SLE-QP	0.9956	3.0809	-7.52	4.60
1376	Shell-Thick	SLU-STATICA	-0.3255	7.6105	-15.16	9.79
1376	Shell-Thick	SLU-STATICA	-0.4803	8.1861	-14.62	9.79
1376	Shell-Thick	SLU-STATICA	1.7199	8.6257	-14.62	8.85
1376	Shell-Thick	SLU-STATICA	1.9438	7.5798	-15.16	8.85
1376	Shell-Thick	SLU-SISMICA	-0.8741	12.3933	-22.13	15.62
1376	Shell-Thick	SLU-SISMICA	-1.1418	13.2653	-20.79	15.62
1376	Shell-Thick	SLU-SISMICA	2.0207	13.7825	-20.79	13.31
1376	Shell-Thick	SLU-SISMICA	2.4021	12.1376	-22.13	13.31
1376	Shell-Thick	SLE-RARA	-0.2193	5.5284	-11.14	7.12
1376	Shell-Thick	SLE-RARA	-0.3310	5.9498	-10.77	7.12
1376	Shell-Thick	SLE-RARA	1.2882	6.2791	-10.77	6.49
1376	Shell-Thick	SLE-RARA	1.4500	5.5164	-11.14	6.49
1376	Shell-Thick	SLE-FREQ.	-0.1688	4.9991	-10.30	6.47



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1376	Shell-Thick	SLE-FREQ.	-0.2684	5.3857	-10.00	6.47
1376	Shell-Thick	SLE-FREQ.	1.2317	5.7005	-10.00	5.96
1376	Shell-Thick	SLE-FREQ.	1.3766	5.0058	-10.30	5.96
1376	Shell-Thick	SLE-QP	-0.0173	3.4110	-7.76	4.50
1376	Shell-Thick	SLE-QP	-0.0809	3.6934	-7.69	4.50
1376	Shell-Thick	SLE-QP	1.0623	3.9647	-7.69	4.38
1376	Shell-Thick	SLE-QP	1.1563	3.4741	-7.76	4.38
1377	Shell-Thick	SLU-STATICA	-0.6450	6.5935	-14.80	10.52
1377	Shell-Thick	SLU-STATICA	0.2513	7.3560	-14.38	10.52
1377	Shell-Thick	SLU-STATICA	2.4405	9.2629	-14.38	9.69
1377	Shell-Thick	SLU-STATICA	1.5437	8.5136	-14.80	9.69
1377	Shell-Thick	SLU-SISMICA	-1.3616	10.7936	-21.10	17.30
1377	Shell-Thick	SLU-SISMICA	0.0860	12.0193	-20.16	17.30
1377	Shell-Thick	SLU-SISMICA	3.1806	14.9391	-20.16	15.41
1377	Shell-Thick	SLU-SISMICA	1.7332	13.7178	-21.10	15.41
1377	Shell-Thick	SLE-RARA	-0.4531	4.7869	-10.90	7.63
1377	Shell-Thick	SLE-RARA	0.1987	5.3416	-10.61	7.63
1377	Shell-Thick	SLE-RARA	1.8124	6.7360	-10.61	7.06
1377	Shell-Thick	SLE-RARA	1.1602	6.1918	-10.90	7.06
1377	Shell-Thick	SLE-FREQ.	-0.3830	4.3237	-10.11	6.89
1377	Shell-Thick	SLE-FREQ.	0.2073	4.8267	-9.87	6.89
1377	Shell-Thick	SLE-FREQ.	1.7069	6.1035	-9.87	6.41
1377	Shell-Thick	SLE-FREQ.	1.1161	5.6114	-10.11	6.41
1377	Shell-Thick	SLE-QP	-0.1728	2.9341	-7.75	4.65
1377	Shell-Thick	SLE-QP	0.2334	3.2819	-7.67	4.65
1377	Shell-Thick	SLE-QP	1.3903	4.2058	-7.67	4.48
1377	Shell-Thick	SLE-QP	0.9835	3.8704	-7.75	4.48
1378	Shell-Thick	SLU-STATICA	63.5766	10.0190	113.06	-3.19
1378	Shell-Thick	SLU-STATICA	47.1019	12.1167	92.36	-3.19
1378	Shell-Thick	SLU-STATICA	32.7142	15.1162	92.36	17.51
1378	Shell-Thick	SLU-STATICA	47.1269	15.0651	113.06	17.51
1378	Shell-Thick	SLU-SISMICA	88.5222	13.6424	146.68	-4.81
1378	Shell-Thick	SLU-SISMICA	63.2398	16.7100	116.93	-4.81
1378	Shell-Thick	SLU-SISMICA	45.0205	22.0920	116.93	24.94
1378	Shell-Thick	SLU-SISMICA	67.1673	22.1378	146.68	24.94
1378	Shell-Thick	SLE-RARA	46.9315	7.4113	83.99	-2.34
1378	Shell-Thick	SLE-RARA	34.8868	8.9524	68.76	-2.34
1378	Shell-Thick	SLE-RARA	24.1756	11.1065	68.76	12.89
1378	Shell-Thick	SLE-RARA	34.7113	11.0630	83.99	12.89
1378	Shell-Thick	SLE-FREQ.	43.7243	6.9308	79.16	-2.15
1378	Shell-Thick	SLE-FREQ.	32.7004	8.3542	65.04	-2.15
1378	Shell-Thick	SLE-FREQ.	22.5682	10.2594	65.04	11.97
1378	Shell-Thick	SLE-FREQ.	32.2085	10.2090	79.16	11.97
1378	Shell-Thick	SLE-QP	34.1027	5.4893	64.65	-1.58
1378	Shell-Thick	SLE-QP	26.1413	6.5595	53.90	-1.58
1378	Shell-Thick	SLE-QP	17.7459	7.7181	53.90	9.18
1378	Shell-Thick	SLE-QP	24.7001	7.6470	64.65	9.18
1379	Shell-Thick	SLU-STATICA	50.0352	14.6231	86.48	16.21
1379	Shell-Thick	SLU-STATICA	42.7219	18.1414	78.95	16.21
1379	Shell-Thick	SLU-STATICA	30.8257	21.0830	78.95	23.74
1379	Shell-Thick	SLU-STATICA	37.0950	18.6030	86.48	23.74
1379	Shell-Thick	SLU-SISMICA	71.9464	21.5875	112.47	23.03
1379	Shell-Thick	SLU-SISMICA	60.4939	26.6929	101.13	23.03
1379	Shell-Thick	SLU-SISMICA	45.2617	32.2239	101.13	34.36
1379	Shell-Thick	SLU-SISMICA	55.1115	28.7128	112.47	34.36
1379	Shell-Thick	SLE-RARA	36.8218	10.7335	64.24	11.95
1379	Shell-Thick	SLE-RARA	31.4865	13.3203	58.72	11.95
1379	Shell-Thick	SLE-RARA	22.6385	15.4203	58.72	17.46
1379	Shell-Thick	SLE-RARA	27.2106	13.5925	64.24	17.46
1379	Shell-Thick	SLE-FREQ.	34.1132	9.8965	60.52	11.09
1379	Shell-Thick	SLE-FREQ.	29.2496	12.2891	55.45	11.09
1379	Shell-Thick	SLE-FREQ.	20.8939	14.1245	55.45	16.16
1379	Shell-Thick	SLE-FREQ.	25.0591	12.4265	60.52	16.16
1379	Shell-Thick	SLE-QP	25.9876	7.3856	49.36	8.53
1379	Shell-Thick	SLE-QP	22.5391	9.1956	45.64	8.53
1379	Shell-Thick	SLE-QP	15.6603	10.2371	45.64	12.25
1379	Shell-Thick	SLE-QP	18.6046	8.9286	49.36	12.25
1380	Shell-Thick	SLU-STATICA	29.6361	16.9264	63.50	23.45
1380	Shell-Thick	SLU-STATICA	29.7958	21.0618	63.31	23.45

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1380	Shell-Thick	SLU-STATICA	20.8774	26.1426	63.31	23.64
1380	Shell-Thick	SLU-STATICA	19.5169	23.2079	63.50	23.64
1380	Shell-Thick	SLU-SISMICA	43.6889	26.1319	82.85	33.90
1380	Shell-Thick	SLU-SISMICA	43.7311	32.2141	81.79	33.90
1380	Shell-Thick	SLU-SISMICA	32.2868	40.9248	81.79	34.96
1380	Shell-Thick	SLU-SISMICA	30.4172	36.6692	82.85	34.96
1380	Shell-Thick	SLE-RARA	21.7562	12.3671	47.15	17.25
1380	Shell-Thick	SLE-RARA	21.8831	15.4036	47.05	17.25
1380	Shell-Thick	SLE-RARA	15.2511	19.0728	47.05	17.35
1380	Shell-Thick	SLE-RARA	14.2456	16.9148	47.15	17.35
1380	Shell-Thick	SLE-FREQ.	20.0649	11.3057	44.40	15.96
1380	Shell-Thick	SLE-FREQ.	20.1983	14.1073	44.37	15.96
1380	Shell-Thick	SLE-FREQ.	13.9374	17.3877	44.37	15.99
1380	Shell-Thick	SLE-FREQ.	12.9986	15.3915	44.40	15.99
1380	Shell-Thick	SLE-QP	14.9910	8.1214	36.15	12.11
1380	Shell-Thick	SLE-QP	15.1440	10.2184	36.34	12.11
1380	Shell-Thick	SLE-QP	9.9964	12.3325	36.34	11.92
1380	Shell-Thick	SLE-QP	9.2575	10.8215	36.15	11.92
1381	Shell-Thick	SLU-STATICA	13.6332	22.0463	50.94	23.61
1381	Shell-Thick	SLU-STATICA	19.3106	25.8141	50.76	23.61
1381	Shell-Thick	SLU-STATICA	11.8872	20.6862	50.76	23.79
1381	Shell-Thick	SLU-STATICA	5.7888	17.3393	50.94	23.79
1381	Shell-Thick	SLU-SISMICA	21.1860	34.7976	67.46	34.84
1381	Shell-Thick	SLU-SISMICA	29.6857	40.4299	66.46	34.84
1381	Shell-Thick	SLU-SISMICA	19.9602	33.6968	66.46	35.84
1381	Shell-Thick	SLU-SISMICA	10.8066	28.7176	67.46	35.84
1381	Shell-Thick	SLE-RARA	9.9541	16.0700	37.78	17.33
1381	Shell-Thick	SLE-RARA	14.1154	18.8321	37.68	17.42
1381	Shell-Thick	SLE-RARA	8.6052	15.0265	37.68	17.42
1381	Shell-Thick	SLE-RARA	4.1364	12.5717	37.78	17.42
1381	Shell-Thick	SLE-FREQ.	9.0880	14.6259	35.49	15.98
1381	Shell-Thick	SLE-FREQ.	12.9148	17.1666	35.46	15.98
1381	Shell-Thick	SLE-FREQ.	7.7295	13.5868	35.46	16.00
1381	Shell-Thick	SLE-FREQ.	3.6221	11.3267	35.49	16.00
1381	Shell-Thick	SLE-QP	6.4896	10.2935	28.62	11.92
1381	Shell-Thick	SLE-QP	9.3128	12.1702	28.80	11.92
1381	Shell-Thick	SLE-QP	5.1027	9.2676	28.80	11.74
1381	Shell-Thick	SLE-QP	2.0790	7.5915	28.62	11.74
1382	Shell-Thick	SLU-STATICA	9.0994	17.1317	40.26	22.74
1382	Shell-Thick	SLU-STATICA	8.6670	20.9118	40.14	22.74
1382	Shell-Thick	SLU-STATICA	2.9893	18.6170	40.14	22.86
1382	Shell-Thick	SLU-STATICA	2.7076	15.5511	40.26	22.86
1382	Shell-Thick	SLU-SISMICA	15.3716	28.2781	54.14	34.22
1382	Shell-Thick	SLU-SISMICA	14.7859	34.0145	53.38	34.22
1382	Shell-Thick	SLU-SISMICA	7.2581	31.3258	53.38	34.97
1382	Shell-Thick	SLU-SISMICA	6.7574	26.6752	54.14	34.97
1382	Shell-Thick	SLE-RARA	6.5825	12.4260	29.81	16.66
1382	Shell-Thick	SLE-RARA	6.2624	15.1928	29.75	16.66
1382	Shell-Thick	SLE-RARA	2.0525	13.4736	29.75	16.72
1382	Shell-Thick	SLE-RARA	1.8499	11.2294	29.81	16.72
1382	Shell-Thick	SLE-FREQ.	5.9047	11.2036	27.94	15.31
1382	Shell-Thick	SLE-FREQ.	5.6052	13.7414	27.93	15.31
1382	Shell-Thick	SLE-FREQ.	1.6510	12.0970	27.93	15.31
1382	Shell-Thick	SLE-FREQ.	1.4714	10.0383	27.94	15.31
1382	Shell-Thick	SLE-QP	3.8715	7.5364	22.31	11.24
1382	Shell-Thick	SLE-QP	3.6333	9.3873	22.47	11.24
1382	Shell-Thick	SLE-QP	0.4468	7.9671	22.47	11.09
1382	Shell-Thick	SLE-QP	0.3361	6.4651	22.31	11.09
1383	Shell-Thick	SLU-STATICA	0.6530	15.2738	31.85	22.98
1383	Shell-Thick	SLU-STATICA	4.7282	18.8311	31.94	22.98
1383	Shell-Thick	SLU-STATICA	0.0538	15.0879	31.94	22.89
1383	Shell-Thick	SLU-STATICA	-4.2491	11.7582	31.85	22.89
1383	Shell-Thick	SLU-SISMICA	3.3370	26.1484	43.77	35.11
1383	Shell-Thick	SLU-SISMICA	9.5077	31.6184	43.47	35.11
1383	Shell-Thick	SLU-SISMICA	3.1365	26.6127	43.47	35.41
1383	Shell-Thick	SLU-SISMICA	-3.3885	21.4968	43.77	35.41
1383	Shell-Thick	SLE-RARA	0.3611	11.0317	23.54	16.81
1383	Shell-Thick	SLE-RARA	3.3446	13.6320	23.63	16.81
1383	Shell-Thick	SLE-RARA	-0.1128	10.8585	23.63	16.72

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1383	Shell-Thick	SLE-RARA	-3.2625	8.4245	23.54	16.72
1383	Shell-Thick	SLE-FREQ.	0.1316	9.8660	21.98	15.40
1383	Shell-Thick	SLE-FREQ.	2.8694	12.2450	22.10	15.40
1383	Shell-Thick	SLE-FREQ.	-0.3634	9.6436	22.10	15.28
1383	Shell-Thick	SLE-FREQ.	-3.2528	7.4164	21.98	15.28
1383	Shell-Thick	SLE-QP	-0.5569	6.3689	17.30	11.17
1383	Shell-Thick	SLE-QP	1.4436	8.0840	17.51	11.17
1383	Shell-Thick	SLE-QP	-1.1151	5.9991	17.51	10.96
1383	Shell-Thick	SLE-QP	-3.2237	4.3923	17.30	10.96
1384	Shell-Thick	SLU-STATICA	-1.0347	11.8558	25.04	22.24
1384	Shell-Thick	SLU-STATICA	-0.9553	15.4314	24.84	22.24
1384	Shell-Thick	SLU-STATICA	-4.4766	12.7915	24.84	22.44
1384	Shell-Thick	SLU-STATICA	-5.0005	9.6602	25.04	22.44
1384	Shell-Thick	SLU-SISMICA	1.1284	21.5517	35.39	34.39
1384	Shell-Thick	SLU-SISMICA	1.3243	27.0987	34.76	34.39
1384	Shell-Thick	SLU-SISMICA	-3.6047	23.5791	34.76	35.02
1384	Shell-Thick	SLU-SISMICA	-4.4745	18.7055	35.39	35.02
1384	Shell-Thick	SLE-RARA	-0.8918	8.5005	18.46	16.24
1384	Shell-Thick	SLE-RARA	-0.8374	11.1117	18.32	16.24
1384	Shell-Thick	SLE-RARA	-3.4355	9.1551	18.32	16.38
1384	Shell-Thick	SLE-RARA	-3.8153	6.8693	18.46	16.38
1384	Shell-Thick	SLE-FREQ.	-1.0476	7.4941	17.15	14.85
1384	Shell-Thick	SLE-FREQ.	-1.0041	9.8789	17.06	14.85
1384	Shell-Thick	SLE-FREQ.	-3.4225	8.0428	17.06	14.94
1384	Shell-Thick	SLE-FREQ.	-3.7645	5.9565	17.15	14.94
1384	Shell-Thick	SLE-QP	-1.5149	4.4748	13.23	10.65
1384	Shell-Thick	SLE-QP	-1.5043	6.1805	13.26	10.65
1384	Shell-Thick	SLE-QP	-3.3834	4.7060	13.26	10.62
1384	Shell-Thick	SLE-QP	-3.6119	3.2183	13.23	10.62
1385	Shell-Thick	SLU-STATICA	-5.3884	9.6727	19.32	22.52
1385	Shell-Thick	SLU-STATICA	-2.3748	13.1218	19.24	22.52
1385	Shell-Thick	SLU-STATICA	-5.2075	10.6300	19.24	22.60
1385	Shell-Thick	SLU-STATICA	-8.3448	7.3046	19.32	22.60
1385	Shell-Thick	SLU-SISMICA	-5.2633	18.6565	28.31	35.12
1385	Shell-Thick	SLU-SISMICA	-0.6974	24.0519	27.94	35.12
1385	Shell-Thick	SLU-SISMICA	-4.8246	20.6219	27.94	35.49
1385	Shell-Thick	SLU-SISMICA	-9.5810	15.4167	28.31	35.49
1385	Shell-Thick	SLE-RARA	-4.0892	6.8818	14.19	16.44
1385	Shell-Thick	SLE-RARA	-1.8830	9.3983	14.15	16.44
1385	Shell-Thick	SLE-RARA	-3.9649	7.5569	14.15	16.48
1385	Shell-Thick	SLE-RARA	-6.2616	5.1308	14.19	16.48
1385	Shell-Thick	SLE-FREQ.	-3.9986	5.9738	13.10	15.00
1385	Shell-Thick	SLE-FREQ.	-1.9745	8.2683	13.08	15.00
1385	Shell-Thick	SLE-FREQ.	-3.8986	6.5494	13.08	15.02
1385	Shell-Thick	SLE-FREQ.	-6.0056	4.3377	13.10	15.02
1385	Shell-Thick	SLE-QP	-3.7270	3.2499	9.84	10.68
1385	Shell-Thick	SLE-QP	-2.2488	4.8784	9.89	10.68
1385	Shell-Thick	SLE-QP	-3.6998	3.5270	9.89	10.62
1385	Shell-Thick	SLE-QP	-5.2377	1.9581	9.84	10.62
1386	Shell-Thick	SLU-STATICA	-5.7773	7.4778	14.68	22.19
1386	Shell-Thick	SLU-STATICA	-5.2235	10.9671	14.45	22.19
1386	Shell-Thick	SLU-STATICA	-7.2705	8.9880	14.45	22.43
1386	Shell-Thick	SLU-STATICA	-8.1040	5.7782	14.68	22.43
1386	Shell-Thick	SLU-SISMICA	-5.8811	15.6300	22.56	34.86
1386	Shell-Thick	SLU-SISMICA	-4.9954	21.1145	22.01	34.86
1386	Shell-Thick	SLU-SISMICA	-8.1320	18.3241	22.01	35.41
1386	Shell-Thick	SLU-SISMICA	-9.4369	13.2584	22.56	35.41
1386	Shell-Thick	SLE-RARA	-4.3725	5.2600	10.73	16.19
1386	Shell-Thick	SLE-RARA	-3.9694	7.8046	10.57	16.19
1386	Shell-Thick	SLE-RARA	-5.4662	6.3454	10.57	16.35
1386	Shell-Thick	SLE-RARA	-6.0743	4.0057	10.73	16.35
1386	Shell-Thick	SLE-FREQ.	-4.2562	4.4604	9.82	14.75
1386	Shell-Thick	SLE-FREQ.	-3.8903	6.7783	9.69	14.75
1386	Shell-Thick	SLE-FREQ.	-5.2606	5.4217	9.69	14.88
1386	Shell-Thick	SLE-FREQ.	-5.8150	3.2922	9.82	14.88
1386	Shell-Thick	SLE-QP	-3.9072	2.0614	7.08	10.43
1386	Shell-Thick	SLE-QP	-3.6529	3.6992	7.04	10.43
1386	Shell-Thick	SLE-QP	-4.6439	2.6505	7.04	10.47
1386	Shell-Thick	SLE-QP	-5.0371	1.1517	7.08	10.47

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1387	Shell-Thick	SLU-STATICA	-7.9196	5.8778	10.73	22.49
1387	Shell-Thick	SLU-STATICA	-5.4267	9.2940	10.59	22.49
1387	Shell-Thick	SLU-STATICA	-6.9971	7.7686	10.59	22.62
1387	Shell-Thick	SLU-STATICA	-9.5496	4.4120	10.73	22.62
1387	Shell-Thick	SLU-SISMICA	-9.2137	13.3836	17.59	35.49
1387	Shell-Thick	SLU-SISMICA	-5.4411	18.7817	17.23	35.49
1387	Shell-Thick	SLU-SISMICA	-8.0117	16.5675	17.23	35.85
1387	Shell-Thick	SLU-SISMICA	-11.8705	11.2553	17.59	35.85
1387	Shell-Thick	SLE-RARA	-5.9365	4.0799	7.79	16.39
1387	Shell-Thick	SLE-RARA	-4.1113	6.5697	7.70	16.39
1387	Shell-Thick	SLE-RARA	-5.2514	5.4482	7.70	16.48
1387	Shell-Thick	SLE-RARA	-7.1204	3.0022	7.79	16.48
1387	Shell-Thick	SLE-FREQ.	-5.6838	3.3625	7.03	14.92
1387	Shell-Thick	SLE-FREQ.	-4.0087	5.6280	6.96	14.92
1387	Shell-Thick	SLE-FREQ.	-5.0386	4.5908	6.96	14.99
1387	Shell-Thick	SLE-FREQ.	-6.7541	2.3658	7.03	14.99
1387	Shell-Thick	SLE-QP	-4.9256	1.2102	4.76	10.50
1387	Shell-Thick	SLE-QP	-3.7011	2.8029	4.75	10.50
1387	Shell-Thick	SLE-QP	-4.4000	2.0185	4.75	10.51
1387	Shell-Thick	SLE-QP	-5.6553	0.4565	4.76	10.51
1388	Shell-Thick	SLU-STATICA	-7.6185	4.5825	7.52	22.37
1388	Shell-Thick	SLU-STATICA	-6.7104	8.0417	7.33	22.37
1388	Shell-Thick	SLU-STATICA	-7.7380	6.7920	7.33	22.55
1388	Shell-Thick	SLU-STATICA	-8.8209	3.5075	7.52	22.55
1388	Shell-Thick	SLU-SISMICA	-8.9691	11.5058	13.54	35.46
1388	Shell-Thick	SLU-SISMICA	-7.5598	16.9877	13.12	35.46
1388	Shell-Thick	SLU-SISMICA	-9.4335	15.0961	13.12	35.88
1388	Shell-Thick	SLU-SISMICA	-11.0975	9.8685	13.54	35.88
1388	Shell-Thick	SLE-RARA	-5.7055	3.1274	5.40	16.30
1388	Shell-Thick	SLE-RARA	-5.0424	5.6478	5.27	16.30
1388	Shell-Thick	SLE-RARA	-5.7789	4.7329	5.27	16.43
1388	Shell-Thick	SLE-RARA	-6.5705	2.3409	5.40	16.43
1388	Shell-Thick	SLE-FREQ.	-5.4538	2.4813	4.77	14.82
1388	Shell-Thick	SLE-FREQ.	-4.8483	4.7733	4.66	14.82
1388	Shell-Thick	SLE-FREQ.	-5.4971	3.9337	4.66	14.93
1388	Shell-Thick	SLE-FREQ.	-6.2214	1.7604	4.77	14.93
1388	Shell-Thick	SLE-QP	-4.6988	0.5431	2.89	10.38
1388	Shell-Thick	SLE-QP	-4.2659	2.1500	2.85	10.38
1388	Shell-Thick	SLE-QP	-4.6516	1.5363	2.85	10.43
1388	Shell-Thick	SLE-QP	-5.1741	0.0190	2.89	10.43
1389	Shell-Thick	SLU-STATICA	-8.5422	3.6145	4.79	22.61
1389	Shell-Thick	SLU-STATICA	-6.3162	7.0252	4.70	22.61
1389	Shell-Thick	SLU-STATICA	-7.0189	6.2228	4.70	22.70
1389	Shell-Thick	SLU-STATICA	-9.2650	2.8320	4.79	22.70
1389	Shell-Thick	SLU-SISMICA	-10.5912	10.0417	10.02	35.95
1389	Shell-Thick	SLU-SISMICA	-7.2139	15.4681	9.76	35.95
1389	Shell-Thick	SLU-SISMICA	-8.6890	14.1756	9.76	36.21
1389	Shell-Thick	SLU-SISMICA	-12.0860	8.7687	10.02	36.21
1389	Shell-Thick	SLE-RARA	-6.3706	2.4186	3.37	16.46
1389	Shell-Thick	SLE-RARA	-4.7413	4.9026	3.31	16.46
1389	Shell-Thick	SLE-RARA	-5.2353	4.3190	3.31	16.53
1389	Shell-Thick	SLE-RARA	-6.8799	1.8501	3.37	16.53
1389	Shell-Thick	SLE-FREQ.	-6.0452	1.8308	2.86	14.96
1389	Shell-Thick	SLE-FREQ.	-4.5506	4.0879	2.81	14.96
1389	Shell-Thick	SLE-FREQ.	-4.9690	3.5589	2.81	15.01
1389	Shell-Thick	SLE-FREQ.	-6.4784	1.3166	2.86	15.01
1389	Shell-Thick	SLE-QP	-5.0688	0.0673	1.32	10.45
1389	Shell-Thick	SLE-QP	-3.9786	1.6437	1.32	10.45
1389	Shell-Thick	SLE-QP	-4.1700	1.2787	1.32	10.46
1389	Shell-Thick	SLE-QP	-5.2741	-0.2839	1.32	10.46
1390	Shell-Thick	SLU-STATICA	-7.9052	2.9680	2.62	22.54
1390	Shell-Thick	SLU-STATICA	-6.7505	6.4124	2.53	22.54
1390	Shell-Thick	SLU-STATICA	-7.0830	5.7631	2.53	22.63
1390	Shell-Thick	SLU-STATICA	-8.3460	2.4269	2.62	22.63
1390	Shell-Thick	SLU-SISMICA	-9.9110	9.0001	7.17	35.97
1390	Shell-Thick	SLU-SISMICA	-8.1217	14.4927	6.93	35.97
1390	Shell-Thick	SLU-SISMICA	-9.1057	13.3752	6.93	36.22
1390	Shell-Thick	SLU-SISMICA	-11.0436	8.0309	7.17	36.22
1390	Shell-Thick	SLE-RARA	-5.8901	1.9484	1.76	16.41

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1390	Shell-Thick	SLE-RARA	-5.0468	4.4564	1.70	16.41
1390	Shell-Thick	SLE-RARA	-5.2663	3.9877	1.70	16.47
1390	Shell-Thick	SLE-RARA	-6.1896	1.5598	1.76	16.47
1390	Shell-Thick	SLE-FREQ.	-5.5800	1.4047	1.34	14.90
1390	Shell-Thick	SLE-FREQ.	-4.8097	3.6824	1.30	14.90
1390	Shell-Thick	SLE-FREQ.	-4.9702	3.2638	1.30	14.95
1390	Shell-Thick	SLE-FREQ.	-5.8153	1.0608	1.34	14.95
1390	Shell-Thick	SLE-QP	-4.6498	-0.2266	8.947E-02	10.37
1390	Shell-Thick	SLE-QP	-4.0983	1.3606	8.557E-02	10.37
1390	Shell-Thick	SLE-QP	-4.0820	1.0921	8.557E-02	10.38
1390	Shell-Thick	SLE-QP	-4.6924	-0.4362	8.947E-02	10.38
1391	Shell-Thick	SLU-STATICA	-8.1676	2.5094	0.82	22.68
1391	Shell-Thick	SLU-STATICA	-6.0968	5.9136	0.81	22.68
1391	Shell-Thick	SLU-STATICA	-6.2200	5.6177	0.81	22.68
1391	Shell-Thick	SLU-STATICA	-8.2890	2.2117	0.82	22.68
1391	Shell-Thick	SLU-SISMICA	-10.5781	8.1949	4.73	36.29
1391	Shell-Thick	SLU-SISMICA	-7.4153	13.6423	4.62	36.29
1391	Shell-Thick	SLU-SISMICA	-8.1270	13.0152	4.62	36.41
1391	Shell-Thick	SLU-SISMICA	-11.2706	7.5485	4.73	36.41
1391	Shell-Thick	SLE-RARA	-6.0688	1.6182	0.42	16.51
1391	Shell-Thick	SLE-RARA	-4.5541	4.0959	0.43	16.51
1391	Shell-Thick	SLE-RARA	-4.6181	3.8882	0.43	16.50
1391	Shell-Thick	SLE-RARA	-6.1323	1.4100	0.42	16.50
1391	Shell-Thick	SLE-FREQ.	-5.7211	1.1111	9.161E-02	14.98
1391	Shell-Thick	SLE-FREQ.	-4.3334	3.3597	0.10	14.98
1391	Shell-Thick	SLE-FREQ.	-4.3475	3.1844	0.10	14.97
1391	Shell-Thick	SLE-FREQ.	-5.7361	0.9367	9.161E-02	14.97
1391	Shell-Thick	SLE-QP	-4.6779	-0.4104	-0.91	10.40
1391	Shell-Thick	SLE-QP	-3.6715	1.1513	-0.87	10.40
1391	Shell-Thick	SLE-QP	-3.5357	1.0729	-0.87	10.37
1391	Shell-Thick	SLE-QP	-4.5474	-0.4834	-0.91	10.37
1392	Shell-Thick	SLU-STATICA	-7.4048	2.3050	-0.56	22.58
1392	Shell-Thick	SLU-STATICA	-6.0875	5.7278	-0.53	22.58
1392	Shell-Thick	SLU-STATICA	-5.9716	5.4992	-0.53	22.56
1392	Shell-Thick	SLU-STATICA	-7.3568	2.1443	-0.56	22.56
1392	Shell-Thick	SLU-SISMICA	-9.7171	7.7382	2.80	36.26
1392	Shell-Thick	SLU-SISMICA	-7.6630	13.2290	2.73	36.26
1392	Shell-Thick	SLU-SISMICA	-8.0372	12.6796	2.73	36.33
1392	Shell-Thick	SLU-SISMICA	-10.1742	7.2716	2.80	36.33
1392	Shell-Thick	SLE-RARA	-5.4956	1.4759	-0.59	16.43
1392	Shell-Thick	SLE-RARA	-4.5342	3.9664	-0.57	16.43
1392	Shell-Thick	SLE-RARA	-4.4220	3.8092	-0.57	16.41
1392	Shell-Thick	SLE-RARA	-5.4341	1.3694	-0.59	16.41
1392	Shell-Thick	SLE-FREQ.	-5.1701	0.9930	-0.85	14.90
1392	Shell-Thick	SLE-FREQ.	-4.2930	3.2522	-0.82	14.90
1392	Shell-Thick	SLE-FREQ.	-4.1432	3.1252	-0.82	14.87
1392	Shell-Thick	SLE-FREQ.	-5.0686	0.9143	-0.85	14.87
1392	Shell-Thick	SLE-QP	-4.1935	-0.4557	-1.64	10.31
1392	Shell-Thick	SLE-QP	-3.5691	1.1094	-1.59	10.31
1392	Shell-Thick	SLE-QP	-3.3069	1.0731	-1.59	10.26
1392	Shell-Thick	SLE-QP	-3.9721	-0.4511	-1.64	10.26
1393	Shell-Thick	SLU-STATICA	-7.3187	2.1959	-1.62	22.61
1393	Shell-Thick	SLU-STATICA	-5.3596	5.5776	-1.52	22.61
1393	Shell-Thick	SLU-STATICA	-5.1289	5.5875	-1.52	22.51
1393	Shell-Thick	SLU-STATICA	-7.0771	2.1950	-1.62	22.51
1393	Shell-Thick	SLU-SISMICA	-9.8485	7.4067	1.21	36.41
1393	Shell-Thick	SLU-SISMICA	-6.8288	12.8513	1.25	36.41
1393	Shell-Thick	SLU-SISMICA	-7.0322	12.6478	1.25	36.37
1393	Shell-Thick	SLU-SISMICA	-10.0144	7.1655	1.21	36.37
1393	Shell-Thick	SLE-RARA	-5.4196	1.4044	-1.37	16.45
1393	Shell-Thick	SLE-RARA	-3.9880	3.8640	-1.29	16.45
1393	Shell-Thick	SLE-RARA	-3.7915	3.8821	-1.29	16.37
1393	Shell-Thick	SLE-RARA	-5.2162	1.4156	-1.37	16.37
1393	Shell-Thick	SLE-FREQ.	-5.0781	0.9415	-1.57	14.91
1393	Shell-Thick	SLE-FREQ.	-3.7689	3.1709	-1.49	14.91
1393	Shell-Thick	SLE-FREQ.	-3.5416	3.2062	-1.49	14.83
1393	Shell-Thick	SLE-FREQ.	-4.8462	0.9722	-1.57	14.83
1393	Shell-Thick	SLE-QP	-4.0535	-0.4471	-2.17	10.29
1393	Shell-Thick	SLE-QP	-3.1117	1.0918	-2.08	10.29

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1393	Shell-Thick	SLE-QP	-2.7919	1.1783	-2.08	10.20
1393	Shell-Thick	SLE-QP	-3.7362	-0.3579	-2.17	10.20
1394	Shell-Thick	SLU-STATICA	-6.5427	2.2518	-2.33	22.45
1394	Shell-Thick	SLU-STATICA	-5.1384	5.6357	-2.20	22.45
1394	Shell-Thick	SLU-STATICA	-4.7759	5.6395	-2.20	22.32
1394	Shell-Thick	SLU-STATICA	-6.2259	2.3015	-2.33	22.32
1394	Shell-Thick	SLU-SISMICA	-8.9335	7.3131	2.813E-02	36.29
1394	Shell-Thick	SLU-SISMICA	-6.7234	12.7782	0.11	36.29
1394	Shell-Thick	SLU-SISMICA	-6.7110	12.5680	0.11	36.21
1394	Shell-Thick	SLU-SISMICA	-8.9670	7.1489	2.813E-02	36.21
1394	Shell-Thick	SLE-RARA	-4.8385	1.4542	-1.88	16.32
1394	Shell-Thick	SLE-RARA	-3.8146	3.9145	-1.78	16.32
1394	Shell-Thick	SLE-RARA	-3.5225	3.9281	-1.78	16.22
1394	Shell-Thick	SLE-RARA	-4.5810	1.5024	-1.88	16.22
1394	Shell-Thick	SLE-FREQ.	-4.5227	1.0024	-2.03	14.78
1394	Shell-Thick	SLE-FREQ.	-3.5902	3.2310	-1.93	14.78
1394	Shell-Thick	SLE-FREQ.	-3.2766	3.2619	-1.93	14.68
1394	Shell-Thick	SLE-FREQ.	-4.2428	1.0670	-2.03	14.68
1394	Shell-Thick	SLE-QP	-3.5754	-0.3530	-2.47	10.16
1394	Shell-Thick	SLE-QP	-2.9173	1.1805	-2.36	10.16
1394	Shell-Thick	SLE-QP	-2.5390	1.2631	-2.36	10.06
1394	Shell-Thick	SLE-QP	-3.2282	-0.2392	-2.47	10.06
1395	Shell-Thick	SLU-STATICA	-6.3087	2.3263	-2.74	22.37
1395	Shell-Thick	SLU-STATICA	-4.4391	5.6656	-2.55	22.37
1395	Shell-Thick	SLU-STATICA	-4.0994	5.7934	-2.55	22.21
1395	Shell-Thick	SLU-STATICA	-5.9512	2.4422	-2.74	22.21
1395	Shell-Thick	SLU-SISMICA	-8.8085	7.2474	-0.82	36.29
1395	Shell-Thick	SLU-SISMICA	-5.8957	12.6643	-0.66	36.29
1395	Shell-Thick	SLU-SISMICA	-5.8262	12.6730	-0.66	36.14
1395	Shell-Thick	SLU-SISMICA	-8.6827	7.2184	-0.82	36.14
1395	Shell-Thick	SLE-RARA	-4.6557	1.5175	-2.17	16.26
1395	Shell-Thick	SLE-RARA	-3.2911	3.9443	-2.03	16.26
1395	Shell-Thick	SLE-RARA	-3.0202	4.0471	-2.03	16.13
1395	Shell-Thick	SLE-RARA	-4.3733	1.6126	-2.17	16.13
1395	Shell-Thick	SLE-FREQ.	-4.3355	1.0757	-2.28	14.71
1395	Shell-Thick	SLE-FREQ.	-3.0903	3.2719	-2.14	14.71
1395	Shell-Thick	SLE-FREQ.	-2.8039	3.3819	-2.14	14.59
1395	Shell-Thick	SLE-FREQ.	-4.0410	1.1803	-2.28	14.59
1395	Shell-Thick	SLE-QP	-3.3748	-0.2498	-2.59	10.08
1395	Shell-Thick	SLE-QP	-2.4877	1.2547	-2.45	10.08
1395	Shell-Thick	SLE-QP	-2.1547	1.3864	-2.45	9.96
1395	Shell-Thick	SLE-QP	-3.0441	-0.1165	-2.59	9.96
1396	Shell-Thick	SLU-STATICA	-5.6145	2.4721	-2.89	22.16
1396	Shell-Thick	SLU-STATICA	-4.2539	5.7999	-2.70	22.16
1396	Shell-Thick	SLU-STATICA	-3.9137	5.8547	-2.70	22.02
1396	Shell-Thick	SLU-STATICA	-5.3423	2.5524	-2.89	22.02
1396	Shell-Thick	SLU-SISMICA	-7.9477	7.3155	-1.32	36.09
1396	Shell-Thick	SLU-SISMICA	-5.7715	12.7338	-1.15	36.09
1396	Shell-Thick	SLU-SISMICA	-5.6043	12.6744	-1.15	35.96
1396	Shell-Thick	SLU-SISMICA	-7.8449	7.2802	-1.32	35.96
1396	Shell-Thick	SLE-RARA	-4.1381	1.6319	-2.27	16.10
1396	Shell-Thick	SLE-RARA	-3.1477	4.0494	-2.12	16.10
1396	Shell-Thick	SLE-RARA	-2.8813	4.0966	-2.12	15.99
1396	Shell-Thick	SLE-RARA	-3.9234	1.6985	-2.27	15.99
1396	Shell-Thick	SLE-FREQ.	-3.8443	1.1937	-2.34	14.56
1396	Shell-Thick	SLE-FREQ.	-2.9454	3.3797	-2.20	14.56
1396	Shell-Thick	SLE-FREQ.	-2.6713	3.4351	-2.20	14.45
1396	Shell-Thick	SLE-FREQ.	-3.6210	1.2681	-2.34	14.45
1396	Shell-Thick	SLE-QP	-2.9630	-0.1212	-2.56	9.93
1396	Shell-Thick	SLE-QP	-2.3384	1.3706	-2.42	9.93
1396	Shell-Thick	SLE-QP	-2.0414	1.4507	-2.42	9.83
1396	Shell-Thick	SLE-QP	-2.7138	-0.0232	-2.56	9.83
1397	Shell-Thick	SLU-STATICA	-5.4868	2.5591	-3.02	22.06
1397	Shell-Thick	SLU-STATICA	-3.7474	5.8523	-2.78	22.06
1397	Shell-Thick	SLU-STATICA	-3.4414	5.9708	-2.78	21.89
1397	Shell-Thick	SLU-STATICA	-5.1574	2.6690	-3.02	21.89
1397	Shell-Thick	SLU-SISMICA	-7.8402	7.3380	-1.74	36.03
1397	Shell-Thick	SLU-SISMICA	-5.1001	12.7184	-1.51	36.03
1397	Shell-Thick	SLU-SISMICA	-4.9599	12.7625	-1.51	35.86

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1397	Shell-Thick	SLU-SISMICA	-7.6247	7.3541	-1.74	35.86
1397	Shell-Thick	SLE-RARA	-4.0403	1.7011	-2.35	16.02
1397	Shell-Thick	SLE-RARA	-2.7721	4.0924	-2.17	16.02
1397	Shell-Thick	SLE-RARA	-2.5320	4.1859	-2.17	15.89
1397	Shell-Thick	SLE-RARA	-3.7851	1.7890	-2.35	15.89
1397	Shell-Thick	SLE-FREQ.	-3.7472	1.2664	-2.40	14.48
1397	Shell-Thick	SLE-FREQ.	-2.5926	3.4273	-2.22	14.48
1397	Shell-Thick	SLE-FREQ.	-2.3448	3.5246	-2.22	14.35
1397	Shell-Thick	SLE-FREQ.	-3.4890	1.3599	-2.40	14.35
1397	Shell-Thick	SLE-QP	-2.8682	-0.0376	-2.54	9.85
1397	Shell-Thick	SLE-QP	-2.0541	1.4317	-2.37	9.85
1397	Shell-Thick	SLE-QP	-1.7831	1.5405	-2.37	9.73
1397	Shell-Thick	SLE-QP	-2.6007	0.0725	-2.54	9.73
1398	Shell-Thick	SLU-STATICA	-5.0110	2.6792	-3.15	21.86
1398	Shell-Thick	SLU-STATICA	-3.5984	5.9585	-2.89	21.86
1398	Shell-Thick	SLU-STATICA	-3.1290	6.0747	-2.89	21.60
1398	Shell-Thick	SLU-STATICA	-4.5747	2.8287	-3.15	21.60
1398	Shell-Thick	SLU-SISMICA	-7.1532	7.4264	-2.17	35.84
1398	Shell-Thick	SLU-SISMICA	-4.8868	12.7991	-1.91	35.84
1398	Shell-Thick	SLU-SISMICA	-4.5691	12.8120	-1.91	35.58
1398	Shell-Thick	SLU-SISMICA	-6.8592	7.4632	-2.17	35.58
1398	Shell-Thick	SLE-RARA	-3.6903	1.7937	-2.43	15.87
1398	Shell-Thick	SLE-RARA	-2.6625	4.1742	-2.24	15.87
1398	Shell-Thick	SLE-RARA	-2.2992	4.2674	-2.24	15.67
1398	Shell-Thick	SLE-RARA	-3.3526	1.9126	-2.43	15.67
1398	Shell-Thick	SLE-FREQ.	-3.4233	1.3593	-2.45	14.33
1398	Shell-Thick	SLE-FREQ.	-2.4909	3.5091	-2.26	14.33
1398	Shell-Thick	SLE-FREQ.	-2.1242	3.6085	-2.26	14.14
1398	Shell-Thick	SLE-FREQ.	-3.0822	1.4845	-2.45	14.14
1398	Shell-Thick	SLE-QP	-2.6222	0.0562	-2.52	9.71
1398	Shell-Thick	SLE-QP	-1.9764	1.5138	-2.34	9.71
1398	Shell-Thick	SLE-QP	-1.5991	1.6318	-2.34	9.53
1398	Shell-Thick	SLE-QP	-2.2710	0.2005	-2.52	9.53
1399	Shell-Thick	SLU-STATICA	-4.6893	2.8246	-3.31	21.62
1399	Shell-Thick	SLU-STATICA	-3.1718	6.0474	-3.02	21.62
1399	Shell-Thick	SLU-STATICA	-2.6980	6.1964	-3.02	21.33
1399	Shell-Thick	SLU-STATICA	-4.2129	2.9711	-3.31	21.33
1399	Shell-Thick	SLU-SISMICA	-6.7223	7.5238	-2.64	35.62
1399	Shell-Thick	SLU-SISMICA	-4.2986	12.8328	-2.34	35.62
1399	Shell-Thick	SLU-SISMICA	-3.9408	12.9100	-2.34	35.32
1399	Shell-Thick	SLU-SISMICA	-6.3331	7.5698	-2.64	35.32
1399	Shell-Thick	SLE-RARA	-3.4520	1.9062	-2.54	15.69
1399	Shell-Thick	SLE-RARA	-2.3472	4.2443	-2.32	15.69
1399	Shell-Thick	SLE-RARA	-1.9824	4.3607	-2.32	15.47
1399	Shell-Thick	SLE-RARA	-3.0867	2.0222	-2.54	15.47
1399	Shell-Thick	SLE-FREQ.	-3.1998	1.4730	-2.54	14.15
1399	Shell-Thick	SLE-FREQ.	-2.1967	3.5820	-2.32	14.15
1399	Shell-Thick	SLE-FREQ.	-1.8314	3.7015	-2.32	13.93
1399	Shell-Thick	SLE-FREQ.	-2.8363	1.5944	-2.54	13.93
1399	Shell-Thick	SLE-QP	-2.4432	0.1734	-2.51	9.54
1399	Shell-Thick	SLE-QP	-1.7453	1.5952	-2.32	9.54
1399	Shell-Thick	SLE-QP	-1.3784	1.7237	-2.32	9.34
1399	Shell-Thick	SLE-QP	-2.0853	0.3110	-2.51	9.34
1400	Shell-Thick	SLU-STATICA	-4.2542	2.9582	-3.48	21.32
1400	Shell-Thick	SLU-STATICA	-2.9350	6.1536	-3.18	21.32
1400	Shell-Thick	SLU-STATICA	-2.4181	6.2894	-3.18	21.02
1400	Shell-Thick	SLU-STATICA	-3.7718	3.1286	-3.48	21.02
1400	Shell-Thick	SLU-SISMICA	-6.1054	7.6158	-3.08	35.32
1400	Shell-Thick	SLU-SISMICA	-3.9558	12.9065	-2.76	35.32
1400	Shell-Thick	SLU-SISMICA	-3.5052	12.9817	-2.76	35.00
1400	Shell-Thick	SLU-SISMICA	-5.6800	7.7164	-3.08	35.00
1400	Shell-Thick	SLE-RARA	-3.1314	2.0095	-2.66	15.46
1400	Shell-Thick	SLE-RARA	-2.1731	4.3264	-2.43	15.46
1400	Shell-Thick	SLE-RARA	-1.7781	4.4323	-2.43	15.23
1400	Shell-Thick	SLE-RARA	-2.7629	2.1421	-2.66	15.23
1400	Shell-Thick	SLE-FREQ.	-2.9020	1.5771	-2.63	13.93
1400	Shell-Thick	SLE-FREQ.	-2.0357	3.6647	-2.40	13.93
1400	Shell-Thick	SLE-FREQ.	-1.6449	3.7730	-2.40	13.70
1400	Shell-Thick	SLE-FREQ.	-2.5380	1.7122	-2.63	13.70



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1400	Shell-Thick	SLE-QP	-2.2140	0.2802	-2.53	9.33
1400	Shell-Thick	SLE-QP	-1.6233	1.6798	-2.33	9.33
1400	Shell-Thick	SLE-QP	-1.2454	1.7952	-2.33	9.13
1400	Shell-Thick	SLE-QP	-1.8632	0.4227	-2.53	9.13
1401	Shell-Thick	SLU-STATICA	-3.9869	3.0984	-3.68	21.03
1401	Shell-Thick	SLU-STATICA	-2.6382	6.2326	-3.36	21.03
1401	Shell-Thick	SLU-STATICA	-2.1082	6.3851	-3.36	20.70
1401	Shell-Thick	SLU-STATICA	-3.4601	3.2543	-3.68	20.70
1401	Shell-Thick	SLU-SISMICA	-5.7033	7.7362	-3.53	35.03
1401	Shell-Thick	SLU-SISMICA	-3.5133	12.9557	-3.17	35.03
1401	Shell-Thick	SLU-SISMICA	-3.0228	13.0646	-3.17	34.67
1401	Shell-Thick	SLU-SISMICA	-5.1891	7.8217	-3.53	34.67
1401	Shell-Thick	SLE-RARA	-2.9355	2.1167	-2.80	15.24
1401	Shell-Thick	SLE-RARA	-1.9555	4.3877	-2.55	15.24
1401	Shell-Thick	SLE-RARA	-1.5519	4.5054	-2.55	14.99
1401	Shell-Thick	SLE-RARA	-2.5357	2.2384	-2.80	14.99
1401	Shell-Thick	SLE-FREQ.	-2.7221	1.6833	-2.74	13.71
1401	Shell-Thick	SLE-FREQ.	-1.8353	3.7270	-2.50	13.71
1401	Shell-Thick	SLE-FREQ.	-1.4384	3.8454	-2.50	13.47
1401	Shell-Thick	SLE-FREQ.	-2.3311	1.8078	-2.74	13.47
1401	Shell-Thick	SLE-QP	-2.0818	0.3833	-2.58	9.13
1401	Shell-Thick	SLE-QP	-1.4749	1.7449	-2.36	9.13
1401	Shell-Thick	SLE-QP	-1.0981	1.8653	-2.36	8.92
1401	Shell-Thick	SLE-QP	-1.7172	0.5162	-2.58	8.92
1402	Shell-Thick	SLU-STATICA	-3.6942	3.2099	-3.92	20.70
1402	Shell-Thick	SLU-STATICA	-2.4637	6.3116	-3.58	20.70
1402	Shell-Thick	SLU-STATICA	-1.8814	6.4770	-3.58	20.36
1402	Shell-Thick	SLU-STATICA	-3.1501	3.4137	-3.92	20.36
1402	Shell-Thick	SLU-SISMICA	-5.2631	7.8190	-3.99	34.68
1402	Shell-Thick	SLU-SISMICA	-3.2264	13.0119	-3.61	34.68
1402	Shell-Thick	SLU-SISMICA	-2.6412	13.1525	-3.61	34.30
1402	Shell-Thick	SLU-SISMICA	-4.7081	7.9901	-3.99	34.30
1402	Shell-Thick	SLE-RARA	-2.7211	2.2026	-2.97	14.99
1402	Shell-Thick	SLE-RARA	-1.8288	4.4487	-2.71	14.99
1402	Shell-Thick	SLE-RARA	-1.3877	4.5753	-2.71	14.74
1402	Shell-Thick	SLE-RARA	-2.3093	2.3587	-2.97	14.74
1402	Shell-Thick	SLE-FREQ.	-2.5251	1.7695	-2.89	13.47
1402	Shell-Thick	SLE-FREQ.	-1.7210	3.7884	-2.64	13.47
1402	Shell-Thick	SLE-FREQ.	-1.2911	3.9139	-2.64	13.23
1402	Shell-Thick	SLE-FREQ.	-2.1243	1.9244	-2.89	13.23
1402	Shell-Thick	SLE-QP	-1.9370	0.4702	-2.65	8.92
1402	Shell-Thick	SLE-QP	-1.3977	1.8074	-2.44	8.92
1402	Shell-Thick	SLE-QP	-1.0011	1.9296	-2.44	8.70
1402	Shell-Thick	SLE-QP	-1.5694	0.6216	-2.65	8.70
1403	Shell-Thick	SLU-STATICA	-3.4917	3.3529	-4.21	20.37
1403	Shell-Thick	SLU-STATICA	-2.2873	6.3883	-3.85	20.37
1403	Shell-Thick	SLU-STATICA	-1.6788	6.5570	-3.85	20.01
1403	Shell-Thick	SLU-STATICA	-2.8913	3.5301	-4.21	20.01
1403	Shell-Thick	SLU-SISMICA	-4.9292	7.9633	-4.49	34.32
1403	Shell-Thick	SLU-SISMICA	-2.9401	13.0753	-4.07	34.32
1403	Shell-Thick	SLU-SISMICA	-2.3066	13.2200	-4.07	33.90
1403	Shell-Thick	SLU-SISMICA	-4.2787	8.0914	-4.49	33.90
1403	Shell-Thick	SLE-RARA	-2.5742	2.3109	-3.17	14.74
1403	Shell-Thick	SLE-RARA	-1.7007	4.5075	-2.90	14.74
1403	Shell-Thick	SLE-RARA	-1.2408	4.6366	-2.90	14.47
1403	Shell-Thick	SLE-RARA	-2.1218	2.4477	-3.17	14.47
1403	Shell-Thick	SLE-FREQ.	-2.3926	1.8751	-3.07	13.23
1403	Shell-Thick	SLE-FREQ.	-1.6051	3.8468	-2.81	13.23
1403	Shell-Thick	SLE-FREQ.	-1.1586	3.9747	-2.81	12.97
1403	Shell-Thick	SLE-FREQ.	-1.9554	2.0125	-3.07	12.97
1403	Shell-Thick	SLE-QP	-1.8478	0.5674	-2.77	8.70
1403	Shell-Thick	SLE-QP	-1.3184	1.8647	-2.55	8.70
1403	Shell-Thick	SLE-QP	-0.9121	1.9890	-2.55	8.48
1403	Shell-Thick	SLE-QP	-1.4564	0.7068	-2.77	8.48
1404	Shell-Thick	SLU-STATICA	-3.3266	3.4518	-4.55	20.02
1404	Shell-Thick	SLU-STATICA	-2.1672	6.4507	-4.18	20.02
1404	Shell-Thick	SLU-STATICA	-1.4906	6.6628	-4.18	19.65
1404	Shell-Thick	SLU-STATICA	-2.6923	3.7064	-4.55	19.65
1404	Shell-Thick	SLU-SISMICA	-4.6634	8.0378	-5.04	33.92



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1404	Shell-Thick	SLU-SISMICA	-2.7164	13.1148	-4.59	33.92
1404	Shell-Thick	SLU-SISMICA	-1.9751	13.3306	-4.59	33.47
1404	Shell-Thick	SLU-SISMICA	-3.9585	8.2903	-5.04	33.47
1404	Shell-Thick	SLE-RARA	-2.4541	2.3870	-3.42	14.48
1404	Shell-Thick	SLE-RARA	-1.6148	4.5559	-3.15	14.48
1404	Shell-Thick	SLE-RARA	-1.1053	4.7164	-3.15	14.20
1404	Shell-Thick	SLE-RARA	-1.9770	2.5801	-3.42	14.20
1404	Shell-Thick	SLE-FREQ.	-2.2837	1.9513	-3.30	12.98
1404	Shell-Thick	SLE-FREQ.	-1.5298	3.8959	-3.04	12.98
1404	Shell-Thick	SLE-FREQ.	-1.0383	4.0522	-3.04	12.71
1404	Shell-Thick	SLE-FREQ.	-1.8242	2.1398	-3.30	12.71
1404	Shell-Thick	SLE-QP	-1.7726	0.6441	-2.92	8.48
1404	Shell-Thick	SLE-QP	-1.2750	1.9159	-2.70	8.48
1404	Shell-Thick	SLE-QP	-0.8371	2.0594	-2.70	8.26
1404	Shell-Thick	SLE-QP	-1.3658	0.8188	-2.92	8.26
1405	Shell-Thick	SLU-STATICA	-3.1696	3.6139	-4.96	19.65
1405	Shell-Thick	SLU-STATICA	-2.0876	6.5405	-4.57	19.65
1405	Shell-Thick	SLU-STATICA	-1.3666	6.7409	-4.57	19.26
1405	Shell-Thick	SLU-STATICA	-2.4595	3.8256	-4.96	19.26
1405	Shell-Thick	SLU-SISMICA	-4.3849	8.2171	-5.66	33.48
1405	Shell-Thick	SLU-SISMICA	-2.5669	13.2000	-5.16	33.48
1405	Shell-Thick	SLU-SISMICA	-1.7619	13.3866	-5.16	32.99
1405	Shell-Thick	SLU-SISMICA	-3.5663	8.3905	-5.66	32.99
1405	Shell-Thick	SLE-RARA	-2.3412	2.5090	-3.72	14.20
1405	Shell-Thick	SLE-RARA	-1.5580	4.6242	-3.44	14.20
1405	Shell-Thick	SLE-RARA	-1.0158	4.7768	-3.44	13.91
1405	Shell-Thick	SLE-RARA	-1.8085	2.6713	-3.72	13.91
1405	Shell-Thick	SLE-FREQ.	-2.1836	2.0688	-3.57	12.71
1405	Shell-Thick	SLE-FREQ.	-1.4802	3.9629	-3.30	12.71
1405	Shell-Thick	SLE-FREQ.	-0.9583	4.1128	-3.30	12.44
1405	Shell-Thick	SLE-FREQ.	-1.6730	2.2303	-3.57	12.44
1405	Shell-Thick	SLE-QP	-1.7108	0.7483	-3.13	8.25
1405	Shell-Thick	SLE-QP	-1.2467	1.9789	-2.90	8.25
1405	Shell-Thick	SLE-QP	-0.7857	2.1211	-2.90	8.03
1405	Shell-Thick	SLE-QP	-1.2663	0.9072	-3.13	8.03
1406	Shell-Thick	SLU-STATICA	-3.0978	3.7129	-5.46	19.28
1406	Shell-Thick	SLU-STATICA	-1.9965	6.6000	-5.06	19.28
1406	Shell-Thick	SLU-STATICA	-1.1837	6.8820	-5.06	18.88
1406	Shell-Thick	SLU-STATICA	-2.3305	4.0407	-5.46	18.88
1406	Shell-Thick	SLU-SISMICA	-4.2581	8.2878	-6.37	33.03
1406	Shell-Thick	SLU-SISMICA	-2.3835	13.2266	-5.83	33.03
1406	Shell-Thick	SLU-SISMICA	-1.4468	13.5364	-5.83	32.49
1406	Shell-Thick	SLU-SISMICA	-3.3625	8.6392	-6.37	32.49
1406	Shell-Thick	SLE-RARA	-2.2895	2.5854	-4.09	13.92
1406	Shell-Thick	SLE-RARA	-1.4936	4.6709	-3.80	13.92
1406	Shell-Thick	SLE-RARA	-0.8839	4.8833	-3.80	13.63
1406	Shell-Thick	SLE-RARA	-1.7145	2.8327	-4.09	13.63
1406	Shell-Thick	SLE-FREQ.	-2.1377	2.1457	-3.92	12.45
1406	Shell-Thick	SLE-FREQ.	-1.4249	4.0112	-3.64	12.45
1406	Shell-Thick	SLE-FREQ.	-0.8405	4.2160	-3.64	12.17
1406	Shell-Thick	SLE-FREQ.	-1.5874	2.3849	-3.92	12.17
1406	Shell-Thick	SLE-QP	-1.6823	0.8265	-3.39	8.03
1406	Shell-Thick	SLE-QP	-1.2191	2.0319	-3.17	8.03
1406	Shell-Thick	SLE-QP	-0.7102	2.2142	-3.17	7.81
1406	Shell-Thick	SLE-QP	-1.2062	1.0417	-3.39	7.81
1407	Shell-Thick	SLU-STATICA	-2.9498	3.9162	-6.05	18.88
1407	Shell-Thick	SLU-STATICA	-1.9767	6.7240	-5.63	18.88
1407	Shell-Thick	SLU-STATICA	-1.0945	6.9760	-5.63	18.46
1407	Shell-Thick	SLU-STATICA	-2.0777	4.1786	-6.05	18.46
1407	Shell-Thick	SLU-SISMICA	-3.9962	8.5222	-7.17	32.50
1407	Shell-Thick	SLU-SISMICA	-2.3319	13.3496	-6.58	32.50
1407	Shell-Thick	SLU-SISMICA	-1.3079	13.5910	-6.58	31.91
1407	Shell-Thick	SLU-SISMICA	-2.9566	8.7485	-7.17	31.91
1407	Shell-Thick	SLE-RARA	-2.1830	2.7380	-4.53	13.63
1407	Shell-Thick	SLE-RARA	-1.4801	4.7650	-4.22	13.63
1407	Shell-Thick	SLE-RARA	-0.8187	4.9564	-4.22	13.32
1407	Shell-Thick	SLE-RARA	-1.5306	2.9386	-4.53	13.32
1407	Shell-Thick	SLE-FREQ.	-2.0432	2.2920	-4.33	12.17
1407	Shell-Thick	SLE-FREQ.	-1.4144	4.1030	-4.04	12.17

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1407	Shell-Thick	SLE-FREQ.	-0.7810	4.2905	-4.04	11.88
1407	Shell-Thick	SLE-FREQ.	-1.4206	2.4906	-4.33	11.88
1407	Shell-Thick	SLE-QP	-1.6237	0.9539	-3.72	7.80
1407	Shell-Thick	SLE-QP	-1.2174	2.1170	-3.50	7.80
1407	Shell-Thick	SLE-QP	-0.6678	2.2930	-3.50	7.58
1407	Shell-Thick	SLE-QP	-1.0907	1.1466	-3.72	7.58
1408	Shell-Thick	SLU-STATICA	-2.9277	4.0314	-6.78	18.48
1408	Shell-Thick	SLU-STATICA	-1.8750	6.7971	-6.34	18.48
1408	Shell-Thick	SLU-STATICA	-0.8671	7.1804	-6.34	18.05
1408	Shell-Thick	SLU-STATICA	-1.9660	4.4613	-6.78	18.05
1408	Shell-Thick	SLU-SISMICA	-3.9625	8.5991	-8.12	31.97
1408	Shell-Thick	SLU-SISMICA	-2.1481	13.3712	-7.47	31.97
1408	Shell-Thick	SLU-SISMICA	-0.9565	13.8080	-7.47	31.32
1408	Shell-Thick	SLU-SISMICA	-2.8131	9.0786	-8.12	31.32
1408	Shell-Thick	SLE-RARA	-2.1669	2.8272	-5.07	13.33
1408	Shell-Thick	SLE-RARA	-1.4071	4.8229	-4.75	13.33
1408	Shell-Thick	SLE-RARA	-0.6525	5.1107	-4.75	13.02
1408	Shell-Thick	SLE-RARA	-1.4475	3.1504	-5.07	13.02
1408	Shell-Thick	SLE-FREQ.	-2.0284	2.3821	-4.83	11.90
1408	Shell-Thick	SLE-FREQ.	-1.3500	4.1637	-4.54	11.90
1408	Shell-Thick	SLE-FREQ.	-0.6291	4.4400	-4.54	11.60
1408	Shell-Thick	SLE-FREQ.	-1.3422	2.6933	-4.83	11.60
1408	Shell-Thick	SLE-QP	-1.6130	1.0469	-4.13	7.59
1408	Shell-Thick	SLE-QP	-1.1786	2.1861	-3.91	7.59
1408	Shell-Thick	SLE-QP	-0.5588	2.4280	-3.91	7.37
1408	Shell-Thick	SLE-QP	-1.0262	1.3219	-4.13	7.37
1409	Shell-Thick	SLU-STATICA	-2.7418	4.3050	-7.62	18.05
1409	Shell-Thick	SLU-STATICA	-1.8635	6.9822	-7.16	18.05
1409	Shell-Thick	SLU-STATICA	-0.7522	7.2997	-7.16	17.59
1409	Shell-Thick	SLU-STATICA	-1.6347	4.6271	-7.62	17.59
1409	Shell-Thick	SLU-SISMICA	-3.6707	8.9203	-9.18	31.34
1409	Shell-Thick	SLU-SISMICA	-2.1419	13.5577	-8.46	31.34
1409	Shell-Thick	SLU-SISMICA	-0.8307	13.8599	-8.46	30.61
1409	Shell-Thick	SLU-SISMICA	-2.3343	9.1978	-9.18	30.61
1409	Shell-Thick	SLE-RARA	-2.0313	3.0322	-5.69	13.01
1409	Shell-Thick	SLE-RARA	-1.3982	4.9631	-5.36	13.01
1409	Shell-Thick	SLE-RARA	-0.5661	5.2044	-5.36	12.68
1409	Shell-Thick	SLE-RARA	-1.2038	3.2784	-5.69	12.68
1409	Shell-Thick	SLE-FREQ.	-1.9049	2.5781	-5.43	11.60
1409	Shell-Thick	SLE-FREQ.	-1.3408	4.3003	-5.12	11.60
1409	Shell-Thick	SLE-FREQ.	-0.5457	4.5370	-5.12	11.30
1409	Shell-Thick	SLE-FREQ.	-1.1166	2.8219	-5.43	11.30
1409	Shell-Thick	SLE-QP	-1.5256	1.2160	-4.62	7.36
1409	Shell-Thick	SLE-QP	-1.1688	2.3120	-4.41	7.36
1409	Shell-Thick	SLE-QP	-0.4844	2.5346	-4.41	7.15
1409	Shell-Thick	SLE-QP	-0.8551	1.4525	-4.62	7.15
1410	Shell-Thick	SLU-STATICA	-2.5551	4.4792	-8.43	17.63
1410	Shell-Thick	SLU-STATICA	-1.5024	7.1135	-7.96	17.63
1410	Shell-Thick	SLU-STATICA	-0.6367	7.4897	-7.96	17.31
1410	Shell-Thick	SLU-STATICA	-1.7827	4.8806	-8.43	17.31
1410	Shell-Thick	SLU-SISMICA	-3.5001	9.0391	-10.20	30.70
1410	Shell-Thick	SLU-SISMICA	-1.6599	13.6196	-9.42	30.70
1410	Shell-Thick	SLU-SISMICA	-0.6313	14.0736	-9.42	30.18
1410	Shell-Thick	SLU-SISMICA	-2.5682	9.5192	-10.20	30.18
1410	Shell-Thick	SLE-RARA	-1.8890	3.1669	-6.30	12.71
1410	Shell-Thick	SLE-RARA	-1.1306	5.0660	-5.96	12.71
1410	Shell-Thick	SLE-RARA	-0.4827	5.3472	-5.96	12.48
1410	Shell-Thick	SLE-RARA	-1.3117	3.4671	-6.30	12.48
1410	Shell-Thick	SLE-FREQ.	-1.7647	2.7141	-6.00	11.32
1410	Shell-Thick	SLE-FREQ.	-1.0898	4.4064	-5.69	11.32
1410	Shell-Thick	SLE-FREQ.	-0.4713	4.6743	-5.69	11.11
1410	Shell-Thick	SLE-FREQ.	-1.2148	3.0004	-6.00	11.11
1410	Shell-Thick	SLE-QP	-1.3920	1.3556	-5.10	7.16
1410	Shell-Thick	SLE-QP	-0.9673	2.4276	-4.89	7.16
1410	Shell-Thick	SLE-QP	-0.4369	2.6555	-4.89	7.02
1410	Shell-Thick	SLE-QP	-0.9241	1.6003	-5.10	7.02
1411	Shell-Thick	SLU-STATICA	-2.4822	4.7333	-9.20	17.30
1411	Shell-Thick	SLU-STATICA	-1.6754	7.2893	-8.68	17.30
1411	Shell-Thick	SLU-STATICA	-0.3366	7.6607	-8.68	16.79

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1411	Shell-Thick	SLU-STATICA	-1.1372	5.0989	-9.20	16.79
1411	Shell-Thick	SLU-SISMICA	-3.3519	9.3661	-11.19	30.18
1411	Shell-Thick	SLU-SISMICA	-1.9290	13.8104	-10.30	30.18
1411	Shell-Thick	SLU-SISMICA	-0.3360	14.1581	-10.30	29.30
1411	Shell-Thick	SLU-SISMICA	-1.7177	9.6732	-11.19	29.30
1411	Shell-Thick	SLE-RARA	-1.8375	3.3558	-6.87	12.47
1411	Shell-Thick	SLE-RARA	-1.2569	5.1985	-6.50	12.47
1411	Shell-Thick	SLE-RARA	-0.2551	5.4811	-6.50	12.10
1411	Shell-Thick	SLE-RARA	-0.8328	3.6357	-6.87	12.10
1411	Shell-Thick	SLE-FREQ.	-1.7207	2.8923	-6.54	11.10
1411	Shell-Thick	SLE-FREQ.	-1.2051	4.5344	-6.20	11.10
1411	Shell-Thick	SLE-FREQ.	-0.2489	4.8120	-6.20	10.77
1411	Shell-Thick	SLE-FREQ.	-0.7646	3.1702	-6.54	10.77
1411	Shell-Thick	SLE-QP	-1.3704	1.5019	-5.54	7.01
1411	Shell-Thick	SLE-QP	-1.0496	2.5421	-5.32	7.01
1411	Shell-Thick	SLE-QP	-0.2302	2.8046	-5.32	6.79
1411	Shell-Thick	SLE-QP	-0.5599	1.7735	-5.54	6.79
1412	Shell-Thick	SLU-STATICA	-2.4178	4.8930	-10.08	16.84
1412	Shell-Thick	SLU-STATICA	-1.4015	7.3975	-9.51	16.84
1412	Shell-Thick	SLU-STATICA	0.0868	8.0132	-9.51	16.27
1412	Shell-Thick	SLU-STATICA	-0.9662	5.5459	-10.08	16.27
1412	Shell-Thick	SLU-SISMICA	-3.3609	9.4484	-12.42	29.42
1412	Shell-Thick	SLU-SISMICA	-1.5884	13.8037	-11.41	29.42
1412	Shell-Thick	SLU-SISMICA	0.2152	14.5335	-11.41	28.41
1412	Shell-Thick	SLU-SISMICA	-1.5865	10.2082	-12.42	28.41
1412	Shell-Thick	SLE-RARA	-1.7850	3.4807	-7.52	12.14
1412	Shell-Thick	SLE-RARA	-1.0526	5.2862	-7.11	12.14
1412	Shell-Thick	SLE-RARA	0.0594	5.7471	-7.11	11.73
1412	Shell-Thick	SLE-RARA	-0.7012	3.9700	-7.52	11.73
1412	Shell-Thick	SLE-FREQ.	-1.6635	3.0205	-7.14	10.80
1412	Shell-Thick	SLE-FREQ.	-1.0113	4.6294	-6.78	10.80
1412	Shell-Thick	SLE-FREQ.	0.0474	5.0695	-6.78	10.44
1412	Shell-Thick	SLE-FREQ.	-0.6329	3.4890	-7.14	10.44
1412	Shell-Thick	SLE-QP	-1.2990	1.6399	-6.00	6.81
1412	Shell-Thick	SLE-QP	-0.8874	2.6589	-5.78	6.81
1412	Shell-Thick	SLE-QP	0.0113	3.0369	-5.78	6.58
1412	Shell-Thick	SLE-QP	-0.4281	2.0458	-6.00	6.58
1413	Shell-Thick	SLU-STATICA	-2.0291	5.3436	-10.82	16.29
1413	Shell-Thick	SLU-STATICA	-1.2804	7.7294	-10.20	16.29
1413	Shell-Thick	SLU-STATICA	0.2848	8.1269	-10.20	15.66
1413	Shell-Thick	SLU-STATICA	-0.4390	5.7167	-10.82	15.66
1413	Shell-Thick	SLU-SISMICA	-2.8560	9.9944	-13.54	28.45
1413	Shell-Thick	SLU-SISMICA	-1.5247	14.1455	-12.39	28.45
1413	Shell-Thick	SLU-SISMICA	0.3868	14.5042	-12.39	27.30
1413	Shell-Thick	SLU-SISMICA	-0.8751	10.2846	-13.54	27.30
1413	Shell-Thick	SLE-RARA	-1.4963	3.8174	-8.07	11.73
1413	Shell-Thick	SLE-RARA	-0.9580	5.5372	-7.62	11.73
1413	Shell-Thick	SLE-RARA	0.2107	5.8403	-7.62	11.29
1413	Shell-Thick	SLE-RARA	-0.3110	4.1042	-8.07	11.29
1413	Shell-Thick	SLE-FREQ.	-1.3915	3.3410	-7.64	10.45
1413	Shell-Thick	SLE-FREQ.	-0.9143	4.8734	-7.25	10.45
1413	Shell-Thick	SLE-FREQ.	0.1972	5.1722	-7.25	10.05
1413	Shell-Thick	SLE-FREQ.	-0.2674	3.6276	-7.64	10.05
1413	Shell-Thick	SLE-QP	-1.0770	1.9121	-6.38	6.58
1413	Shell-Thick	SLE-QP	-0.7832	2.8819	-6.14	6.58
1413	Shell-Thick	SLE-QP	0.1564	3.1679	-6.14	6.34
1413	Shell-Thick	SLE-QP	-0.1369	2.1979	-6.38	6.34
1414	Shell-Thick	SLU-STATICA	-1.9296	5.4913	-11.56	15.74
1414	Shell-Thick	SLU-STATICA	-0.9122	7.8148	-10.86	15.74
1414	Shell-Thick	SLU-STATICA	0.7827	8.5233	-10.86	15.05
1414	Shell-Thick	SLU-STATICA	-0.2584	6.2240	-11.56	15.05
1414	Shell-Thick	SLU-SISMICA	-2.8355	10.0366	-14.73	27.47
1414	Shell-Thick	SLU-SISMICA	-1.0667	14.0693	-13.42	27.47
1414	Shell-Thick	SLU-SISMICA	1.0519	14.9325	-13.42	26.17
1414	Shell-Thick	SLU-SISMICA	-0.7282	10.9120	-14.73	26.17
1414	Shell-Thick	SLE-RARA	-1.4170	3.9345	-8.60	11.35
1414	Shell-Thick	SLE-RARA	-0.6835	5.6099	-8.10	11.35
1414	Shell-Thick	SLE-RARA	0.5797	6.1391	-8.10	10.85
1414	Shell-Thick	SLE-RARA	-0.1724	4.4826	-8.60	10.85

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1414	Shell-Thick	SLE-FREQ.	-1.3076	3.4640	-8.13	10.10
1414	Shell-Thick	SLE-FREQ.	-0.6539	4.9576	-7.69	10.10
1414	Shell-Thick	SLE-FREQ.	0.5433	5.4610	-7.69	9.67
1414	Shell-Thick	SLE-FREQ.	-0.1295	3.9868	-8.13	9.67
1414	Shell-Thick	SLE-QP	-0.9794	2.0523	-6.71	6.37
1414	Shell-Thick	SLE-QP	-0.5652	3.0006	-6.46	6.37
1414	Shell-Thick	SLE-QP	0.4340	3.4268	-6.46	6.12
1414	Shell-Thick	SLE-QP	-9.242E-04	2.4994	-6.71	6.12
1415	Shell-Thick	SLU-STATICA	-1.4441	6.0126	-12.15	15.08
1415	Shell-Thick	SLU-STATICA	-0.7370	8.1936	-11.38	15.08
1415	Shell-Thick	SLU-STATICA	1.0038	8.5292	-11.38	14.31
1415	Shell-Thick	SLU-STATICA	0.3479	6.2977	-12.15	14.31
1415	Shell-Thick	SLU-SISMICA	-2.1829	10.6899	-15.76	26.25
1415	Shell-Thick	SLU-SISMICA	-0.9290	14.4675	-14.29	26.25
1415	Shell-Thick	SLU-SISMICA	1.2722	14.7207	-14.29	24.79
1415	Shell-Thick	SLU-SISMICA	0.1264	10.8361	-15.76	24.79
1415	Shell-Thick	SLE-RARA	-1.0574	4.3230	-9.03	10.87
1415	Shell-Thick	SLE-RARA	-0.5489	5.8960	-8.48	10.87
1415	Shell-Thick	SLE-RARA	0.7473	6.1544	-8.48	10.32
1415	Shell-Thick	SLE-RARA	0.2747	4.5459	-9.03	10.32
1415	Shell-Thick	SLE-FREQ.	-0.9706	3.8320	-8.51	9.68
1415	Shell-Thick	SLE-FREQ.	-0.5196	5.2350	-8.03	9.68
1415	Shell-Thick	SLE-FREQ.	0.7068	5.4939	-8.03	9.21
1415	Shell-Thick	SLE-FREQ.	0.2861	4.0608	-8.51	9.21
1415	Shell-Thick	SLE-QP	-0.7103	2.3591	-6.95	6.12
1415	Shell-Thick	SLE-QP	-0.4316	3.2521	-6.69	6.12
1415	Shell-Thick	SLE-QP	0.5854	3.5121	-6.69	5.86
1415	Shell-Thick	SLE-QP	0.3204	2.6057	-6.95	5.86
1416	Shell-Thick	SLU-STATICA	-1.3133	6.0660	-12.77	14.43
1416	Shell-Thick	SLU-STATICA	-0.2862	8.1707	-11.92	14.43
1416	Shell-Thick	SLU-STATICA	1.5695	8.9424	-11.92	13.57
1416	Shell-Thick	SLU-STATICA	0.5376	6.8431	-12.77	13.57
1416	Shell-Thick	SLU-SISMICA	-2.1026	10.5824	-16.90	25.01
1416	Shell-Thick	SLU-SISMICA	-0.3378	14.2066	-15.25	25.01
1416	Shell-Thick	SLU-SISMICA	2.0680	15.1824	-15.25	23.36
1416	Shell-Thick	SLU-SISMICA	0.3178	11.5449	-16.90	23.36
1416	Shell-Thick	SLE-RARA	-0.9558	4.3714	-9.47	10.41
1416	Shell-Thick	SLE-RARA	-0.2143	5.8905	-8.86	10.41
1416	Shell-Thick	SLE-RARA	1.1645	6.4651	-8.86	9.80
1416	Shell-Thick	SLE-RARA	0.4183	4.9510	-9.47	9.80
1416	Shell-Thick	SLE-FREQ.	-0.8674	3.8924	-8.90	9.28
1416	Shell-Thick	SLE-FREQ.	-0.2047	5.2493	-8.37	9.28
1416	Shell-Thick	SLE-FREQ.	1.0948	5.7929	-8.37	8.75
1416	Shell-Thick	SLE-FREQ.	0.4261	4.4425	-8.90	8.75
1416	Shell-Thick	SLE-QP	-0.6020	2.4556	-7.18	5.90
1416	Shell-Thick	SLE-QP	-0.1762	3.3254	-6.90	5.90
1416	Shell-Thick	SLE-QP	0.8858	3.7762	-6.90	5.62
1416	Shell-Thick	SLE-QP	0.4493	2.9171	-7.18	5.62
1417	Shell-Thick	SLU-STATICA	-0.7369	6.6381	-13.22	13.63
1417	Shell-Thick	SLU-STATICA	-0.0322	8.5721	-12.28	13.63
1417	Shell-Thick	SLU-STATICA	1.8399	8.7407	-12.28	12.69
1417	Shell-Thick	SLU-STATICA	1.2199	6.7226	-13.22	12.69
1417	Shell-Thick	SLU-SISMICA	-1.2850	11.3354	-17.82	23.49
1417	Shell-Thick	SLU-SISMICA	-0.0584	14.6461	-15.98	23.49
1417	Shell-Thick	SLU-SISMICA	2.4000	14.6496	-15.98	21.65
1417	Shell-Thick	SLU-SISMICA	1.3308	11.1829	-17.82	21.65
1417	Shell-Thick	SLE-RARA	-0.5311	4.7959	-9.79	9.84
1417	Shell-Thick	SLE-RARA	-0.0231	6.1928	-9.12	9.84
1417	Shell-Thick	SLE-RARA	1.3663	6.3288	-9.12	9.17
1417	Shell-Thick	SLE-RARA	0.9189	4.8718	-9.79	9.17
1417	Shell-Thick	SLE-FREQ.	-0.4730	4.2916	-9.17	8.79
1417	Shell-Thick	SLE-FREQ.	-0.0204	5.5410	-8.59	8.79
1417	Shell-Thick	SLE-FREQ.	1.2866	5.6872	-8.59	8.21
1417	Shell-Thick	SLE-FREQ.	0.8871	4.3851	-9.17	8.21
1417	Shell-Thick	SLE-QP	-0.2986	2.7788	-7.32	5.63
1417	Shell-Thick	SLE-QP	-0.0122	3.5854	-7.01	5.63
1417	Shell-Thick	SLE-QP	1.0474	3.7622	-7.01	5.32
1417	Shell-Thick	SLE-QP	0.7918	2.9251	-7.32	5.32
1418	Shell-Thick	SLU-STATICA	-0.5684	6.4996	-13.79	12.85

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1418	Shell-Thick	SLU-STATICA	0.4982	8.3377	-12.71	12.85
1418	Shell-Thick	SLU-STATICA	2.4770	9.1713	-12.71	11.77
1418	Shell-Thick	SLU-STATICA	1.4313	7.3132	-13.79	11.77
1418	Shell-Thick	SLU-SISMICA	-1.1103	10.9439	-18.97	21.95
1418	Shell-Thick	SLU-SISMICA	0.6800	14.0563	-16.86	21.95
1418	Shell-Thick	SLU-SISMICA	3.3443	15.1663	-16.86	19.84
1418	Shell-Thick	SLU-SISMICA	1.6039	12.0055	-18.97	19.84
1418	Shell-Thick	SLE-RARA	-0.4037	4.7036	-10.19	9.28
1418	Shell-Thick	SLE-RARA	0.3684	6.0329	-9.42	9.28
1418	Shell-Thick	SLE-RARA	1.8337	6.6508	-9.42	8.52
1418	Shell-Thick	SLE-RARA	1.0759	5.3077	-10.19	8.52
1418	Shell-Thick	SLE-FREQ.	-0.3492	4.2224	-9.52	8.31
1418	Shell-Thick	SLE-FREQ.	0.3444	5.4142	-8.85	8.31
1418	Shell-Thick	SLE-FREQ.	1.7172	5.9941	-8.85	7.64
1418	Shell-Thick	SLE-FREQ.	1.0352	4.7913	-9.52	7.64
1418	Shell-Thick	SLE-QP	-0.1857	2.7787	-7.49	5.38
1418	Shell-Thick	SLE-QP	0.2723	3.5580	-7.13	5.38
1418	Shell-Thick	SLE-QP	1.3678	4.0241	-7.13	5.02
1418	Shell-Thick	SLE-QP	0.9131	3.2418	-7.49	5.02
1419	Shell-Thick	SLU-STATICA	0.0325	7.1340	-14.18	11.89
1419	Shell-Thick	SLU-STATICA	0.9488	8.7651	-12.96	11.89
1419	Shell-Thick	SLU-STATICA	2.9224	8.6057	-12.96	10.67
1419	Shell-Thick	SLU-STATICA	2.1322	6.8495	-14.18	10.67
1419	Shell-Thick	SLU-SISMICA	-0.2196	11.8363	-19.84	20.07
1419	Shell-Thick	SLU-SISMICA	1.3087	14.5637	-17.46	20.07
1419	Shell-Thick	SLU-SISMICA	3.9996	14.0766	-17.46	17.70
1419	Shell-Thick	SLU-SISMICA	2.6885	11.1338	-19.84	17.70
1419	Shell-Thick	SLE-RARA	0.0372	5.1714	-10.46	8.60
1419	Shell-Thick	SLE-RARA	0.7010	6.3528	-9.59	8.60
1419	Shell-Thick	SLE-RARA	2.1608	6.2483	-9.59	7.74
1419	Shell-Thick	SLE-RARA	1.5879	4.9766	-10.46	7.74
1419	Shell-Thick	SLE-FREQ.	0.0570	4.6575	-9.74	7.72
1419	Shell-Thick	SLE-FREQ.	0.6541	5.7196	-8.99	7.72
1419	Shell-Thick	SLE-FREQ.	2.0190	5.6446	-8.99	6.97
1419	Shell-Thick	SLE-FREQ.	1.5031	4.5018	-9.74	6.97
1419	Shell-Thick	SLE-QP	0.1164	3.1157	-7.57	5.06
1419	Shell-Thick	SLE-QP	0.5135	3.8201	-7.17	5.06
1419	Shell-Thick	SLE-QP	1.5936	3.8336	-7.17	4.67
1419	Shell-Thick	SLE-QP	1.2484	3.0775	-7.57	4.67
1420	Shell-Thick	SLU-STATICA	0.2365	6.6713	-15.01	10.91
1420	Shell-Thick	SLU-STATICA	1.6920	8.1587	-13.40	10.91
1420	Shell-Thick	SLU-STATICA	3.7949	8.7874	-13.40	9.30
1420	Shell-Thick	SLU-STATICA	2.3993	7.2412	-15.01	9.30
1420	Shell-Thick	SLU-SISMICA	0.0682	10.9641	-21.37	18.12
1420	Shell-Thick	SLU-SISMICA	2.4138	13.4050	-18.35	18.12
1420	Shell-Thick	SLU-SISMICA	5.3427	14.2340	-18.35	15.09
1420	Shell-Thick	SLU-SISMICA	3.1029	11.6895	-21.37	15.09
1420	Shell-Thick	SLE-RARA	0.1876	4.8412	-11.06	7.91
1420	Shell-Thick	SLE-RARA	1.2461	5.9208	-9.91	7.91
1420	Shell-Thick	SLE-RARA	2.7984	6.3872	-9.91	6.76
1420	Shell-Thick	SLE-RARA	1.7829	5.2653	-11.06	6.76
1420	Shell-Thick	SLE-FREQ.	0.1968	4.3690	-10.26	7.12
1420	Shell-Thick	SLE-FREQ.	1.1561	5.3436	-9.26	7.12
1420	Shell-Thick	SLE-FREQ.	2.6022	5.7821	-9.26	6.11
1420	Shell-Thick	SLE-FREQ.	1.6812	4.7699	-10.26	6.11
1420	Shell-Thick	SLE-QP	0.2244	2.9526	-7.88	4.76
1420	Shell-Thick	SLE-QP	0.8860	3.6122	-7.30	4.76
1420	Shell-Thick	SLE-QP	2.0136	3.9668	-7.30	4.18
1420	Shell-Thick	SLE-QP	1.3758	3.2837	-7.88	4.18
1421	Shell-Thick	SLU-STATICA	0.9557	7.2339	-17.01	9.63
1421	Shell-Thick	SLU-STATICA	3.0267	8.3523	-13.12	9.63
1421	Shell-Thick	SLU-STATICA	4.8491	5.5245	-13.12	6.28
1421	Shell-Thick	SLU-STATICA	3.0212	4.2544	-17.01	6.28
1421	Shell-Thick	SLU-SISMICA	1.1259	11.7702	-24.43	15.66
1421	Shell-Thick	SLU-SISMICA	4.4843	13.5863	-18.08	15.66
1421	Shell-Thick	SLU-SISMICA	7.0271	8.9196	-18.08	10.20
1421	Shell-Thick	SLU-SISMICA	4.0669	6.8550	-24.43	10.20
1421	Shell-Thick	SLE-RARA	0.7157	5.2554	-12.52	7.00
1421	Shell-Thick	SLE-RARA	2.2208	6.0681	-9.69	7.00

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1421	Shell-Thick	SLE-RARA	3.5658	4.0170	-9.69	4.57
1421	Shell-Thick	SLE-RARA	2.2372	3.0941	-12.52	4.57
1421	Shell-Thick	SLE-FREQ.	0.6841	4.7530	-11.60	6.33
1421	Shell-Thick	SLE-FREQ.	2.0463	5.4883	-9.05	6.33
1421	Shell-Thick	SLE-FREQ.	3.2989	3.6389	-9.05	4.13
1421	Shell-Thick	SLE-FREQ.	2.0961	2.8041	-11.60	4.13
1421	Shell-Thick	SLE-QP	0.5892	3.2459	-8.85	4.33
1421	Shell-Thick	SLE-QP	1.5226	3.7491	-7.11	4.33
1421	Shell-Thick	SLE-QP	2.4982	2.5048	-7.11	2.83
1421	Shell-Thick	SLE-QP	1.6729	1.9341	-8.85	2.83
1422	Shell-Thick	SLU-STATICA	3.9895	4.4305	-15.76	6.28
1422	Shell-Thick	SLU-STATICA	1.8825	4.9487	-11.86	6.28
1422	Shell-Thick	SLU-STATICA	4.1856	1.9220	-11.86	1.82
1422	Shell-Thick	SLU-STATICA	6.4158	1.2247	-15.76	1.82
1422	Shell-Thick	SLU-SISMICA	6.0647	7.2154	-22.22	10.17
1422	Shell-Thick	SLU-SISMICA	2.7264	8.0985	-16.38	10.17
1422	Shell-Thick	SLU-SISMICA	5.9319	3.1141	-16.38	3.51
1422	Shell-Thick	SLU-SISMICA	9.4682	1.9428	-22.22	3.51
1422	Shell-Thick	SLE-RARA	2.9196	3.2184	-11.62	4.56
1422	Shell-Thick	SLE-RARA	1.3844	3.5929	-8.76	4.56
1422	Shell-Thick	SLE-RARA	3.0846	1.3970	-8.76	1.29
1422	Shell-Thick	SLE-RARA	4.7094	0.8922	-11.62	1.29
1422	Shell-Thick	SLE-FREQ.	2.6771	2.9102	-10.81	4.13
1422	Shell-Thick	SLE-FREQ.	1.2809	3.2455	-8.17	4.13
1422	Shell-Thick	SLE-FREQ.	2.8650	1.2646	-8.17	1.12
1422	Shell-Thick	SLE-FREQ.	4.3424	0.8112	-10.81	1.12
1422	Shell-Thick	SLE-QP	1.9495	1.9855	-8.35	2.83
1422	Shell-Thick	SLE-QP	0.9704	2.2031	-6.41	2.83
1422	Shell-Thick	SLE-QP	2.2063	0.8673	-6.41	0.61
1422	Shell-Thick	SLE-QP	3.2415	0.5682	-8.35	0.61
1423	Shell-Thick	SLU-STATICA	4.2582	1.1116	-10.48	2.20
1423	Shell-Thick	SLU-STATICA	2.8900	1.3444	-10.01	2.20
1423	Shell-Thick	SLU-STATICA	4.3658	1.5709	-10.01	1.73
1423	Shell-Thick	SLU-STATICA	5.8588	1.2137	-10.48	1.73
1423	Shell-Thick	SLU-SISMICA	6.5297	1.8466	-14.51	4.09
1423	Shell-Thick	SLU-SISMICA	4.3591	2.3081	-13.79	4.09
1423	Shell-Thick	SLU-SISMICA	6.3836	2.5808	-13.79	3.38
1423	Shell-Thick	SLU-SISMICA	8.7535	1.9204	-14.51	3.38
1423	Shell-Thick	SLE-RARA	3.1134	0.8057	-7.74	1.57
1423	Shell-Thick	SLE-RARA	2.1166	0.9707	-7.40	1.57
1423	Shell-Thick	SLE-RARA	3.2076	1.1400	-7.40	1.23
1423	Shell-Thick	SLE-RARA	4.2952	0.8845	-7.74	1.23
1423	Shell-Thick	SLE-FREQ.	2.8500	0.7254	-7.22	1.38
1423	Shell-Thick	SLE-FREQ.	1.9437	0.8676	-6.91	1.38
1423	Shell-Thick	SLE-FREQ.	2.9627	1.0289	-6.91	1.06
1423	Shell-Thick	SLE-FREQ.	3.9514	0.8046	-7.22	1.06
1423	Shell-Thick	SLE-QP	2.0597	0.4846	-5.65	0.79
1423	Shell-Thick	SLE-QP	1.4250	0.5582	-5.43	0.79
1423	Shell-Thick	SLE-QP	2.2280	0.6957	-5.43	0.57
1423	Shell-Thick	SLE-QP	2.9200	0.5650	-5.65	0.57
1424	Shell-Thick	SLU-STATICA	4.1056	0.9870	-8.40	1.88
1424	Shell-Thick	SLU-STATICA	3.0655	1.1870	-7.98	1.88
1424	Shell-Thick	SLU-STATICA	4.2432	1.1237	-7.98	1.47
1424	Shell-Thick	SLU-STATICA	5.3865	0.8207	-8.40	1.47
1424	Shell-Thick	SLU-SISMICA	6.3086	1.6278	-11.55	3.62
1424	Shell-Thick	SLU-SISMICA	4.6709	2.0419	-10.92	3.62
1424	Shell-Thick	SLU-SISMICA	6.2757	1.8589	-10.92	2.99
1424	Shell-Thick	SLU-SISMICA	8.0777	1.2808	-11.55	2.99
1424	Shell-Thick	SLE-RARA	3.0012	0.7160	-6.20	1.34
1424	Shell-Thick	SLE-RARA	2.2429	0.8569	-5.90	1.34
1424	Shell-Thick	SLE-RARA	3.1140	0.8148	-5.90	1.04
1424	Shell-Thick	SLE-RARA	3.9475	0.5990	-6.20	1.04
1424	Shell-Thick	SLE-FREQ.	2.7462	0.6456	-5.79	1.16
1424	Shell-Thick	SLE-FREQ.	2.0557	0.7655	-5.51	1.16
1424	Shell-Thick	SLE-FREQ.	2.8702	0.7343	-5.51	0.89
1424	Shell-Thick	SLE-FREQ.	3.6290	0.5464	-5.79	0.89
1424	Shell-Thick	SLE-QP	1.9810	0.4347	-4.56	0.64
1424	Shell-Thick	SLE-QP	1.4940	0.4913	-4.35	0.64
1424	Shell-Thick	SLE-QP	2.1388	0.4928	-4.35	0.43

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1424	Shell-Thick	SLE-QP	2.6735	0.3886	-4.56	0.43
1425	Shell-Thick	SLU-STATICA	3.8971	0.6224	-6.79	1.59
1425	Shell-Thick	SLU-STATICA	3.1079	0.7970	-6.54	1.59
1425	Shell-Thick	SLU-STATICA	4.0635	1.0721	-6.54	1.34
1425	Shell-Thick	SLU-STATICA	4.9437	0.8067	-6.79	1.34
1425	Shell-Thick	SLU-SISMICA	5.9965	1.0222	-9.30	3.18
1425	Shell-Thick	SLU-SISMICA	4.7712	1.4003	-8.93	3.18
1425	Shell-Thick	SLU-SISMICA	6.0679	1.7831	-8.93	2.81
1425	Shell-Thick	SLU-SISMICA	7.4378	1.2607	-9.30	2.81
1425	Shell-Thick	SLE-RARA	2.8484	0.4517	-5.02	1.13
1425	Shell-Thick	SLE-RARA	2.2721	0.5739	-4.84	1.13
1425	Shell-Thick	SLE-RARA	2.9792	0.7770	-4.84	0.94
1425	Shell-Thick	SLE-RARA	3.6218	0.5887	-5.02	0.94
1425	Shell-Thick	SLE-FREQ.	2.6056	0.4077	-4.69	0.97
1425	Shell-Thick	SLE-FREQ.	2.0794	0.5101	-4.52	0.97
1425	Shell-Thick	SLE-FREQ.	2.7410	0.6994	-4.52	0.80
1425	Shell-Thick	SLE-FREQ.	3.3275	0.5368	-4.69	0.80
1425	Shell-Thick	SLE-QP	1.8773	0.2757	-3.70	0.49
1425	Shell-Thick	SLE-QP	1.5012	0.3189	-3.58	0.49
1425	Shell-Thick	SLE-QP	2.0265	0.4666	-3.58	0.37
1425	Shell-Thick	SLE-QP	2.4447	0.3814	-3.70	0.37
1426	Shell-Thick	SLU-STATICA	3.6795	0.6232	-5.56	1.43
1426	Shell-Thick	SLU-STATICA	2.9672	0.7835	-5.35	1.43
1426	Shell-Thick	SLU-STATICA	3.7483	0.8486	-5.35	1.22
1426	Shell-Thick	SLU-STATICA	4.5373	0.6117	-5.56	1.22
1426	Shell-Thick	SLU-SISMICA	5.6735	1.0167	-7.60	2.95
1426	Shell-Thick	SLU-SISMICA	4.5741	1.3755	-7.29	2.95
1426	Shell-Thick	SLU-SISMICA	5.6310	1.4261	-7.29	2.64
1426	Shell-Thick	SLU-SISMICA	6.8518	0.9461	-7.60	2.64
1426	Shell-Thick	SLE-RARA	2.6888	0.4526	-4.11	1.01
1426	Shell-Thick	SLE-RARA	2.1683	0.5642	-3.96	1.01
1426	Shell-Thick	SLE-RARA	2.7464	0.6142	-3.96	0.85
1426	Shell-Thick	SLE-RARA	3.3228	0.4469	-4.11	0.85
1426	Shell-Thick	SLE-FREQ.	2.4586	0.4091	-3.85	0.86
1426	Shell-Thick	SLE-FREQ.	1.9828	0.5017	-3.70	0.86
1426	Shell-Thick	SLE-FREQ.	2.5240	0.5516	-3.70	0.71
1426	Shell-Thick	SLE-FREQ.	3.0506	0.4084	-3.85	0.71
1426	Shell-Thick	SLE-QP	1.7681	0.2786	-3.04	0.41
1426	Shell-Thick	SLE-QP	1.4262	0.3140	-2.93	0.41
1426	Shell-Thick	SLE-QP	1.8567	0.3638	-2.93	0.30
1426	Shell-Thick	SLE-QP	2.2342	0.2929	-3.04	0.30
1427	Shell-Thick	SLU-STATICA	3.3973	0.4478	-4.57	1.30
1427	Shell-Thick	SLU-STATICA	2.8140	0.5977	-4.42	1.30
1427	Shell-Thick	SLU-STATICA	3.4556	0.8149	-4.42	1.15
1427	Shell-Thick	SLU-STATICA	4.1063	0.5976	-4.57	1.15
1427	Shell-Thick	SLU-SISMICA	5.2461	0.7256	-6.24	2.76
1427	Shell-Thick	SLU-SISMICA	4.3566	1.0706	-6.02	2.76
1427	Shell-Thick	SLU-SISMICA	5.2231	1.3792	-6.02	2.54
1427	Shell-Thick	SLU-SISMICA	6.2194	0.9275	-6.24	2.54
1427	Shell-Thick	SLE-RARA	2.4822	0.3254	-3.38	0.91
1427	Shell-Thick	SLE-RARA	2.0554	0.4293	-3.27	0.91
1427	Shell-Thick	SLE-RARA	2.5304	0.5893	-3.27	0.80
1427	Shell-Thick	SLE-RARA	3.0063	0.4364	-3.38	0.80
1427	Shell-Thick	SLE-FREQ.	2.2690	0.2946	-3.16	0.77
1427	Shell-Thick	SLE-FREQ.	1.8780	0.3799	-3.06	0.77
1427	Shell-Thick	SLE-FREQ.	2.3227	0.5284	-3.06	0.67
1427	Shell-Thick	SLE-FREQ.	2.7585	0.3985	-3.16	0.67
1427	Shell-Thick	SLE-QP	1.6296	0.2020	-2.50	0.34
1427	Shell-Thick	SLE-QP	1.3456	0.2315	-2.43	0.34
1427	Shell-Thick	SLE-QP	1.6998	0.3457	-2.43	0.26
1427	Shell-Thick	SLE-QP	2.0152	0.2849	-2.50	0.26
1428	Shell-Thick	SLU-STATICA	3.1201	0.4496	-3.77	1.21
1428	Shell-Thick	SLU-STATICA	2.5906	0.5926	-3.64	1.21
1428	Shell-Thick	SLU-STATICA	3.1180	0.6747	-3.64	1.08
1428	Shell-Thick	SLU-STATICA	3.7045	0.4747	-3.77	1.08
1428	Shell-Thick	SLU-SISMICA	4.8260	0.7257	-5.14	2.64
1428	Shell-Thick	SLU-SISMICA	4.0229	1.0622	-4.94	2.64
1428	Shell-Thick	SLU-SISMICA	4.7341	1.1577	-4.94	2.44
1428	Shell-Thick	SLU-SISMICA	5.6275	0.7311	-5.14	2.44



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1428	Shell-Thick	SLE-RARA	2.2792	0.3269	-2.79	0.85
1428	Shell-Thick	SLE-RARA	1.8917	0.4257	-2.69	0.85
1428	Shell-Thick	SLE-RARA	2.2821	0.4872	-2.69	0.75
1428	Shell-Thick	SLE-RARA	2.7113	0.3469	-2.79	0.75
1428	Shell-Thick	SLE-FREQ.	2.0828	0.2962	-2.61	0.71
1428	Shell-Thick	SLE-FREQ.	1.7273	0.3766	-2.52	0.71
1428	Shell-Thick	SLE-FREQ.	2.0930	0.4355	-2.52	0.62
1428	Shell-Thick	SLE-FREQ.	2.4864	0.3173	-2.61	0.62
1428	Shell-Thick	SLE-QP	1.4936	0.2039	-2.06	0.29
1428	Shell-Thick	SLE-QP	1.2343	0.2293	-2.00	0.29
1428	Shell-Thick	SLE-QP	1.5258	0.2804	-2.00	0.22
1428	Shell-Thick	SLE-QP	1.8118	0.2284	-2.06	0.22
1429	Shell-Thick	SLU-STATICA	2.8206	0.3431	-3.11	1.13
1429	Shell-Thick	SLU-STATICA	2.3732	0.4805	-3.01	1.13
1429	Shell-Thick	SLU-STATICA	2.8069	0.6444	-3.01	1.03
1429	Shell-Thick	SLU-STATICA	3.3042	0.4571	-3.11	1.03
1429	Shell-Thick	SLU-SISMICA	4.3674	0.5497	-4.23	2.53
1429	Shell-Thick	SLU-SISMICA	3.6956	0.8793	-4.08	2.53
1429	Shell-Thick	SLU-SISMICA	4.2799	1.1158	-4.08	2.39
1429	Shell-Thick	SLU-SISMICA	5.0306	0.7074	-4.23	2.39
1429	Shell-Thick	SLE-RARA	2.0602	0.2497	-2.30	0.79
1429	Shell-Thick	SLE-RARA	1.7323	0.3443	-2.22	0.79
1429	Shell-Thick	SLE-RARA	2.0535	0.4648	-2.22	0.71
1429	Shell-Thick	SLE-RARA	2.4177	0.3339	-2.30	0.71
1429	Shell-Thick	SLE-FREQ.	1.8823	0.2265	-2.15	0.65
1429	Shell-Thick	SLE-FREQ.	1.5810	0.3030	-2.08	0.65
1429	Shell-Thick	SLE-FREQ.	1.8818	0.4146	-2.08	0.59
1429	Shell-Thick	SLE-FREQ.	2.2162	0.3051	-2.15	0.59
1429	Shell-Thick	SLE-QP	1.3485	0.1571	-1.70	0.25
1429	Shell-Thick	SLE-QP	1.1268	0.1792	-1.65	0.25
1429	Shell-Thick	SLE-QP	1.3668	0.2640	-1.65	0.20
1429	Shell-Thick	SLE-QP	1.6118	0.2187	-1.70	0.20
1430	Shell-Thick	SLU-STATICA	2.5331	0.3392	-2.56	1.08
1430	Shell-Thick	SLU-STATICA	2.1309	0.4729	-2.47	1.08
1430	Shell-Thick	SLU-STATICA	2.4868	0.5462	-2.47	0.98
1430	Shell-Thick	SLU-STATICA	2.9311	0.3704	-2.56	0.98
1430	Shell-Thick	SLU-SISMICA	3.9246	0.5428	-3.48	2.46
1430	Shell-Thick	SLU-SISMICA	3.3242	0.8681	-3.34	2.46
1430	Shell-Thick	SLU-SISMICA	3.8031	0.9614	-3.34	2.32
1430	Shell-Thick	SLU-SISMICA	4.4700	0.5696	-3.48	2.32
1430	Shell-Thick	SLE-RARA	1.8501	0.2469	-1.89	0.75
1430	Shell-Thick	SLE-RARA	1.5552	0.3387	-1.82	0.75
1430	Shell-Thick	SLE-RARA	1.8187	0.3932	-1.82	0.68
1430	Shell-Thick	SLE-RARA	2.1444	0.2707	-1.89	0.68
1430	Shell-Thick	SLE-FREQ.	1.6901	0.2241	-1.77	0.62
1430	Shell-Thick	SLE-FREQ.	1.4188	0.2978	-1.71	0.62
1430	Shell-Thick	SLE-FREQ.	1.6657	0.3494	-1.71	0.55
1430	Shell-Thick	SLE-FREQ.	1.9650	0.2477	-1.77	0.55
1430	Shell-Thick	SLE-QP	1.2102	0.1556	-1.40	0.22
1430	Shell-Thick	SLE-QP	1.0095	0.1754	-1.36	0.22
1430	Shell-Thick	SLE-QP	1.2067	0.2179	-1.36	0.17
1430	Shell-Thick	SLE-QP	1.4270	0.1785	-1.40	0.17
1431	Shell-Thick	SLU-STATICA	2.2432	0.2654	-2.10	1.03
1431	Shell-Thick	SLU-STATICA	1.8991	0.3960	-2.03	1.03
1431	Shell-Thick	SLU-STATICA	2.1904	0.5210	-2.03	0.96
1431	Shell-Thick	SLU-STATICA	2.5709	0.3540	-2.10	0.96
1431	Shell-Thick	SLU-SISMICA	3.4736	0.4213	-2.85	2.38
1431	Shell-Thick	SLU-SISMICA	2.9652	0.7429	-2.75	2.38
1431	Shell-Thick	SLU-SISMICA	3.3568	0.9270	-2.75	2.28
1431	Shell-Thick	SLU-SISMICA	3.9228	0.5478	-2.85	2.28
1431	Shell-Thick	SLE-RARA	1.6384	0.1934	-1.55	0.71
1431	Shell-Thick	SLE-RARA	1.3859	0.2828	-1.50	0.71
1431	Shell-Thick	SLE-RARA	1.6017	0.3745	-1.50	0.66
1431	Shell-Thick	SLE-RARA	1.8807	0.2586	-1.55	0.66
1431	Shell-Thick	SLE-FREQ.	1.4969	0.1758	-1.45	0.58
1431	Shell-Thick	SLE-FREQ.	1.2641	0.2473	-1.40	0.58
1431	Shell-Thick	SLE-FREQ.	1.4663	0.3319	-1.40	0.53
1431	Shell-Thick	SLE-FREQ.	1.7233	0.2363	-1.45	0.53
1431	Shell-Thick	SLE-QP	1.0723	0.1231	-1.15	0.19



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1431	Shell-Thick	SLE-QP	0.8988	0.1409	-1.11	0.19
1431	Shell-Thick	SLE-QP	1.0603	0.2042	-1.11	0.16
1431	Shell-Thick	SLE-QP	1.2509	0.1694	-1.15	0.16
1432	Shell-Thick	SLU-STATICA	1.9668	0.2598	-1.71	0.99
1432	Shell-Thick	SLU-STATICA	1.6605	0.3884	-1.65	0.99
1432	Shell-Thick	SLU-STATICA	1.8975	0.4485	-1.65	0.93
1432	Shell-Thick	SLU-STATICA	2.2343	0.2895	-1.71	0.93
1432	Shell-Thick	SLU-SISMICA	3.0398	0.4127	-2.33	2.34
1432	Shell-Thick	SLU-SISMICA	2.5907	0.7322	-2.23	2.34
1432	Shell-Thick	SLU-SISMICA	2.9088	0.8128	-2.23	2.24
1432	Shell-Thick	SLU-SISMICA	3.4060	0.4452	-2.33	2.24
1432	Shell-Thick	SLE-RARA	1.4368	0.1892	-1.27	0.68
1432	Shell-Thick	SLE-RARA	1.2119	0.2771	-1.22	0.68
1432	Shell-Thick	SLE-RARA	1.3874	0.3217	-1.22	0.64
1432	Shell-Thick	SLE-RARA	1.6346	0.2116	-1.27	0.64
1432	Shell-Thick	SLE-FREQ.	1.3132	0.1720	-1.19	0.56
1432	Shell-Thick	SLE-FREQ.	1.1056	0.2420	-1.14	0.56
1432	Shell-Thick	SLE-FREQ.	1.2701	0.2838	-1.14	0.51
1432	Shell-Thick	SLE-FREQ.	1.4980	0.1936	-1.19	0.51
1432	Shell-Thick	SLE-QP	0.9424	0.1203	-0.94	0.17
1432	Shell-Thick	SLE-QP	0.7866	0.1368	-0.91	0.17
1432	Shell-Thick	SLE-QP	0.9182	0.1702	-0.91	0.14
1432	Shell-Thick	SLE-QP	1.0882	0.1395	-0.94	0.14
1433	Shell-Thick	SLU-STATICA	1.6952	0.2050	-1.39	0.95
1433	Shell-Thick	SLU-STATICA	1.4303	0.3317	-1.34	0.95
1433	Shell-Thick	SLU-STATICA	1.6218	0.4317	-1.34	0.91
1433	Shell-Thick	SLU-STATICA	1.9127	0.2789	-1.39	0.91
1433	Shell-Thick	SLU-SISMICA	2.6090	0.3221	-1.88	2.29
1433	Shell-Thick	SLU-SISMICA	2.2245	0.6397	-1.81	2.29
1433	Shell-Thick	SLU-SISMICA	2.4811	0.7915	-1.81	2.22
1433	Shell-Thick	SLU-SISMICA	2.9068	0.4328	-1.88	2.22
1433	Shell-Thick	SLE-RARA	1.2390	0.1495	-1.03	0.66
1433	Shell-Thick	SLE-RARA	1.0442	0.2360	-0.99	0.66
1433	Shell-Thick	SLE-RARA	1.1861	0.3092	-0.99	0.62
1433	Shell-Thick	SLE-RARA	1.3998	0.2036	-1.03	0.62
1433	Shell-Thick	SLE-FREQ.	1.1333	0.1361	-0.96	0.53
1433	Shell-Thick	SLE-FREQ.	0.9532	0.2049	-0.93	0.53
1433	Shell-Thick	SLE-FREQ.	1.0862	0.2720	-0.93	0.50
1433	Shell-Thick	SLE-FREQ.	1.2836	0.1860	-0.96	0.50
1433	Shell-Thick	SLE-QP	0.8164	0.0962	-0.76	0.15
1433	Shell-Thick	SLE-QP	0.6801	0.1115	-0.74	0.15
1433	Shell-Thick	SLE-QP	0.7866	0.1604	-0.74	0.13
1433	Shell-Thick	SLE-QP	0.9350	0.1330	-0.76	0.13
1434	Shell-Thick	SLU-STATICA	1.4359	0.2024	-1.11	0.93
1434	Shell-Thick	SLU-STATICA	1.1987	0.3282	-1.07	0.93
1434	Shell-Thick	SLU-STATICA	1.3514	0.3783	-1.07	0.89
1434	Shell-Thick	SLU-STATICA	1.6100	0.2311	-1.11	0.89
1434	Shell-Thick	SLU-SISMICA	2.1935	0.3195	-1.50	2.25
1434	Shell-Thick	SLU-SISMICA	1.8519	0.6363	-1.44	2.25
1434	Shell-Thick	SLU-SISMICA	2.0559	0.7071	-1.44	2.19
1434	Shell-Thick	SLU-SISMICA	2.4314	0.3566	-1.50	2.19
1434	Shell-Thick	SLE-RARA	1.0503	0.1475	-0.82	0.64
1434	Shell-Thick	SLE-RARA	0.8758	0.2333	-0.79	0.64
1434	Shell-Thick	SLE-RARA	0.9889	0.2702	-0.79	0.61
1434	Shell-Thick	SLE-RARA	1.1790	0.1689	-0.82	0.61
1434	Shell-Thick	SLE-FREQ.	0.9622	0.1343	-0.77	0.52
1434	Shell-Thick	SLE-FREQ.	0.8005	0.2023	-0.74	0.52
1434	Shell-Thick	SLE-FREQ.	0.9067	0.2366	-0.74	0.49
1434	Shell-Thick	SLE-FREQ.	1.0825	0.1544	-0.77	0.49
1434	Shell-Thick	SLE-QP	0.6977	0.0945	-0.61	0.14
1434	Shell-Thick	SLE-QP	0.5747	0.1091	-0.59	0.14
1434	Shell-Thick	SLE-QP	0.6598	0.1355	-0.59	0.12
1434	Shell-Thick	SLE-QP	0.7927	0.1109	-0.61	0.12
1435	Shell-Thick	SLU-STATICA	1.1846	0.1618	-0.87	0.91
1435	Shell-Thick	SLU-STATICA	0.9728	0.2868	-0.84	0.91
1435	Shell-Thick	SLU-STATICA	1.0926	0.3727	-0.84	0.88
1435	Shell-Thick	SLU-STATICA	1.3222	0.2299	-0.87	0.88
1435	Shell-Thick	SLU-SISMICA	1.7873	0.2523	-1.18	2.22
1435	Shell-Thick	SLU-SISMICA	1.4837	0.5682	-1.14	2.22

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1435	Shell-Thick	SLU-SISMICA	1.6433	0.7039	-1.14	2.18
1435	Shell-Thick	SLU-SISMICA	1.9751	0.3597	-1.18	2.18
1435	Shell-Thick	SLE-RARA	0.8676	0.1181	-0.65	0.62
1435	Shell-Thick	SLE-RARA	0.7117	0.2033	-0.62	0.62
1435	Shell-Thick	SLE-RARA	0.8004	0.2659	-0.62	0.60
1435	Shell-Thick	SLE-RARA	0.9693	0.1677	-0.65	0.60
1435	Shell-Thick	SLE-FREQ.	0.7966	0.1077	-0.60	0.50
1435	Shell-Thick	SLE-FREQ.	0.6521	0.1751	-0.58	0.50
1435	Shell-Thick	SLE-FREQ.	0.7355	0.2321	-0.58	0.48
1435	Shell-Thick	SLE-FREQ.	0.8918	0.1529	-0.60	0.48
1435	Shell-Thick	SLE-QP	0.5839	0.0767	-0.48	0.13
1435	Shell-Thick	SLE-QP	0.4735	0.0907	-0.47	0.13
1435	Shell-Thick	SLE-QP	0.5405	0.1308	-0.47	0.11
1435	Shell-Thick	SLE-QP	0.6591	0.1085	-0.48	0.11
1436	Shell-Thick	SLU-STATICA	0.9481	0.1671	-0.67	0.89
1436	Shell-Thick	SLU-STATICA	0.7484	0.2918	-0.64	0.89
1436	Shell-Thick	SLU-STATICA	0.8396	0.3367	-0.64	0.86
1436	Shell-Thick	SLU-STATICA	1.0532	0.1981	-0.67	0.86
1436	Shell-Thick	SLU-SISMICA	1.4032	0.2638	-0.90	2.20
1436	Shell-Thick	SLU-SISMICA	1.1155	0.5798	-0.86	2.20
1436	Shell-Thick	SLU-SISMICA	1.2364	0.6473	-0.86	2.16
1436	Shell-Thick	SLU-SISMICA	1.5462	0.3091	-0.90	2.16
1436	Shell-Thick	SLE-RARA	0.6957	0.1218	-0.49	0.61
1436	Shell-Thick	SLE-RARA	0.5488	0.2068	-0.47	0.61
1436	Shell-Thick	SLE-RARA	0.6164	0.2397	-0.47	0.59
1436	Shell-Thick	SLE-RARA	0.7735	0.1445	-0.49	0.59
1436	Shell-Thick	SLE-FREQ.	0.6412	0.1108	-0.46	0.49
1436	Shell-Thick	SLE-FREQ.	0.5051	0.1780	-0.44	0.49
1436	Shell-Thick	SLE-FREQ.	0.5686	0.2083	-0.44	0.47
1436	Shell-Thick	SLE-FREQ.	0.7139	0.1318	-0.46	0.47
1436	Shell-Thick	SLE-QP	0.4775	0.0780	-0.37	0.12
1436	Shell-Thick	SLE-QP	0.3740	0.0917	-0.36	0.12
1436	Shell-Thick	SLE-QP	0.4252	0.1140	-0.36	0.11
1436	Shell-Thick	SLE-QP	0.5352	0.0938	-0.37	0.11
1437	Shell-Thick	SLU-STATICA	0.7259	0.1420	-0.49	0.87
1437	Shell-Thick	SLU-STATICA	0.5358	0.2666	-0.47	0.87
1437	Shell-Thick	SLU-STATICA	0.6023	0.3410	-0.47	0.86
1437	Shell-Thick	SLU-STATICA	0.8034	0.2056	-0.49	0.86
1437	Shell-Thick	SLU-SISMICA	1.0436	0.2230	-0.65	2.18
1437	Shell-Thick	SLU-SISMICA	0.7667	0.5390	-0.63	2.18
1437	Shell-Thick	SLU-SISMICA	0.8545	0.6594	-0.63	2.15
1437	Shell-Thick	SLU-SISMICA	1.1487	0.3259	-0.65	2.15
1437	Shell-Thick	SLE-RARA	0.5342	0.1036	-0.36	0.60
1437	Shell-Thick	SLE-RARA	0.3945	0.1884	-0.35	0.60
1437	Shell-Thick	SLE-RARA	0.4438	0.2426	-0.35	0.59
1437	Shell-Thick	SLE-RARA	0.5915	0.1498	-0.36	0.59
1437	Shell-Thick	SLE-FREQ.	0.4949	0.0944	-0.34	0.48
1437	Shell-Thick	SLE-FREQ.	0.3657	0.1614	-0.33	0.48
1437	Shell-Thick	SLE-FREQ.	0.4121	0.2104	-0.33	0.46
1437	Shell-Thick	SLE-FREQ.	0.5486	0.1362	-0.34	0.46
1437	Shell-Thick	SLE-QP	0.3771	0.0668	-0.27	0.11
1437	Shell-Thick	SLE-QP	0.2796	0.0803	-0.26	0.11
1437	Shell-Thick	SLE-QP	0.3171	0.1140	-0.26	0.10
1437	Shell-Thick	SLE-QP	0.4197	0.0954	-0.27	0.10
1438	Shell-Thick	SLU-STATICA	0.5279	0.1565	-0.33	0.86
1438	Shell-Thick	SLU-STATICA	0.3339	0.2814	-0.31	0.86
1438	Shell-Thick	SLU-STATICA	0.3786	0.3222	-0.31	0.85
1438	Shell-Thick	SLU-STATICA	0.5801	0.1899	-0.33	0.85
1438	Shell-Thick	SLU-SISMICA	0.7308	0.2511	-0.44	2.16
1438	Shell-Thick	SLU-SISMICA	0.4411	0.5679	-0.42	2.16
1438	Shell-Thick	SLU-SISMICA	0.4996	0.6286	-0.42	2.14
1438	Shell-Thick	SLU-SISMICA	0.8012	0.3001	-0.44	2.14
1438	Shell-Thick	SLE-RARA	0.3899	0.1139	-0.25	0.59
1438	Shell-Thick	SLE-RARA	0.2476	0.1989	-0.23	0.59
1438	Shell-Thick	SLE-RARA	0.2808	0.2289	-0.23	0.58
1438	Shell-Thick	SLE-RARA	0.4286	0.1384	-0.25	0.58
1438	Shell-Thick	SLE-FREQ.	0.3637	0.1033	-0.23	0.47
1438	Shell-Thick	SLE-FREQ.	0.2327	0.1705	-0.22	0.47
1438	Shell-Thick	SLE-FREQ.	0.2640	0.1981	-0.22	0.46

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1438	Shell-Thick	SLE-FREQ.	0.3998	0.1259	-0.23	0.46
1438	Shell-Thick	SLE-QP	0.2848	0.0715	-0.18	0.11
1438	Shell-Thick	SLE-QP	0.1880	0.0851	-0.18	0.11
1438	Shell-Thick	SLE-QP	0.2134	0.1056	-0.18	9.803E-02
1438	Shell-Thick	SLE-QP	0.3136	0.0885	-0.18	9.803E-02
1439	Shell-Thick	SLU-STATICA	0.3471	0.1480	-0.19	0.85
1439	Shell-Thick	SLU-STATICA	0.1567	0.2732	-0.18	0.85
1439	Shell-Thick	SLU-STATICA	0.1822	0.3355	-0.18	0.84
1439	Shell-Thick	SLU-STATICA	0.3770	0.2058	-0.19	0.84
1439	Shell-Thick	SLU-SISMICA	0.4616	0.2390	-0.25	2.15
1439	Shell-Thick	SLU-SISMICA	0.1727	0.5564	-0.24	2.15
1439	Shell-Thick	SLU-SISMICA	0.2060	0.6478	-0.24	2.13
1439	Shell-Thick	SLU-SISMICA	0.5019	0.3234	-0.25	2.13
1439	Shell-Thick	SLE-RARA	0.2573	0.1076	-0.14	0.58
1439	Shell-Thick	SLE-RARA	0.1180	0.1929	-0.13	0.58
1439	Shell-Thick	SLE-RARA	0.1369	0.2386	-0.13	0.58
1439	Shell-Thick	SLE-RARA	0.2794	0.1501	-0.14	0.58
1439	Shell-Thick	SLE-FREQ.	0.2416	0.0974	-0.13	0.46
1439	Shell-Thick	SLE-FREQ.	0.1137	0.1649	-0.12	0.46
1439	Shell-Thick	SLE-FREQ.	0.1316	0.2071	-0.12	0.46
1439	Shell-Thick	SLE-FREQ.	0.2623	0.1368	-0.13	0.46
1439	Shell-Thick	SLE-QP	0.1943	0.0670	-0.11	0.10
1439	Shell-Thick	SLE-QP	0.1011	0.0808	-0.10	0.10
1439	Shell-Thick	SLE-QP	0.1156	0.1124	-0.10	9.567E-02
1439	Shell-Thick	SLE-QP	0.2108	0.0967	-0.11	9.567E-02
1440	Shell-Thick	SLU-STATICA	0.1394	0.1660	-6.225E-02	0.85
1440	Shell-Thick	SLU-STATICA	0.0100	0.2934	-5.532E-02	0.85
1440	Shell-Thick	SLU-STATICA	0.0179	0.3315	-5.532E-02	0.85
1440	Shell-Thick	SLU-STATICA	0.1476	0.2038	-6.225E-02	0.85
1440	Shell-Thick	SLU-SISMICA	0.1818	0.2708	-8.306E-02	2.14
1440	Shell-Thick	SLU-SISMICA	-0.0186	0.5915	-7.287E-02	2.14
1440	Shell-Thick	SLU-SISMICA	-0.0083	0.6293	-7.287E-02	2.13
1440	Shell-Thick	SLU-SISMICA	0.1929	0.3080	-8.306E-02	2.13
1440	Shell-Thick	SLE-RARA	0.1035	0.1205	-4.613E-02	0.58
1440	Shell-Thick	SLE-RARA	0.0090	0.2074	-4.104E-02	0.58
1440	Shell-Thick	SLE-RARA	0.0149	0.2363	-4.104E-02	0.58
1440	Shell-Thick	SLE-RARA	0.1096	0.1493	-4.613E-02	0.58
1440	Shell-Thick	SLE-FREQ.	0.0975	0.1090	-4.329E-02	0.46
1440	Shell-Thick	SLE-FREQ.	0.0111	0.1778	-3.859E-02	0.46
1440	Shell-Thick	SLE-FREQ.	0.0166	0.2060	-3.859E-02	0.46
1440	Shell-Thick	SLE-FREQ.	0.1032	0.1370	-4.329E-02	0.46
1440	Shell-Thick	SLE-QP	0.0794	0.0742	-3.475E-02	0.10
1440	Shell-Thick	SLE-QP	0.0175	0.0890	-3.123E-02	0.10
1440	Shell-Thick	SLE-QP	0.0220	0.1151	-3.123E-02	9.696E-02
1440	Shell-Thick	SLE-QP	0.0839	0.1003	-3.475E-02	9.696E-02
1441	Shell-Thick	SLU-STATICA	45.3842	7.5850	93.19	-1.77
1441	Shell-Thick	SLU-STATICA	36.2380	8.7394	81.92	-1.77
1441	Shell-Thick	SLU-STATICA	23.6725	5.8013	81.92	9.49
1441	Shell-Thick	SLU-STATICA	31.6614	5.7956	93.19	9.49
1441	Shell-Thick	SLU-SISMICA	60.7339	9.9062	118.09	-2.65
1441	Shell-Thick	SLU-SISMICA	46.8821	11.6170	101.63	-2.65
1441	Shell-Thick	SLU-SISMICA	31.2700	8.0289	101.63	13.80
1441	Shell-Thick	SLU-SISMICA	43.3606	8.0669	118.09	13.80
1441	Shell-Thick	SLE-RARA	33.6245	5.6318	69.37	-1.29
1441	Shell-Thick	SLE-RARA	26.9285	6.4788	61.09	-1.29
1441	Shell-Thick	SLE-RARA	17.5590	4.2848	61.09	6.98
1441	Shell-Thick	SLE-RARA	23.4081	4.2784	69.37	6.98
1441	Shell-Thick	SLE-FREQ.	31.5340	5.3022	65.61	-1.19
1441	Shell-Thick	SLE-FREQ.	25.3899	6.0826	57.97	-1.19
1441	Shell-Thick	SLE-FREQ.	16.5017	3.9961	57.97	6.45
1441	Shell-Thick	SLE-FREQ.	21.8695	3.9863	65.61	6.45
1441	Shell-Thick	SLE-QP	25.2626	4.3133	54.34	-0.88
1441	Shell-Thick	SLE-QP	20.7738	4.8939	48.59	-0.88
1441	Shell-Thick	SLE-QP	13.3298	3.1300	48.59	4.88
1441	Shell-Thick	SLE-QP	17.2537	3.1098	54.34	4.88
1442	Shell-Thick	SLU-STATICA	40.5574	6.2354	78.62	7.85
1442	Shell-Thick	SLU-STATICA	31.7343	8.7530	70.15	7.85
1442	Shell-Thick	SLU-STATICA	21.2732	12.5717	70.15	16.32
1442	Shell-Thick	SLU-STATICA	28.6844	11.4598	78.62	16.32

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1442	Shell-Thick	SLU-SISMICA	57.2603	8.8439	100.62	11.34
1442	Shell-Thick	SLU-SISMICA	43.8369	12.5452	88.18	11.34
1442	Shell-Thick	SLU-SISMICA	30.7348	19.2635	88.18	23.78
1442	Shell-Thick	SLU-SISMICA	42.0192	17.6919	100.62	23.78
1442	Shell-Thick	SLE-RARA	29.8996	4.5949	58.48	5.78
1442	Shell-Thick	SLE-RARA	23.4432	6.4435	52.26	5.78
1442	Shell-Thick	SLE-RARA	15.6481	9.1926	52.26	12.00
1442	Shell-Thick	SLE-RARA	21.0708	8.3730	58.48	12.00
1442	Shell-Thick	SLE-FREQ.	27.7897	4.2672	55.23	5.35
1442	Shell-Thick	SLE-FREQ.	21.8706	5.9730	49.49	5.35
1442	Shell-Thick	SLE-FREQ.	14.4847	8.4161	49.49	11.09
1442	Shell-Thick	SLE-FREQ.	19.4554	7.6544	55.23	11.09
1442	Shell-Thick	SLE-QP	21.4601	3.2842	45.48	4.06
1442	Shell-Thick	SLE-QP	17.1528	4.5615	41.18	4.06
1442	Shell-Thick	SLE-QP	10.9946	6.0863	41.18	8.36
1442	Shell-Thick	SLE-QP	14.6093	5.4985	45.48	8.36
1443	Shell-Thick	SLU-STATICA	27.5887	10.7974	63.42	15.74
1443	Shell-Thick	SLU-STATICA	25.4952	13.8593	58.68	15.74
1443	Shell-Thick	SLU-STATICA	16.6754	13.7502	58.68	20.48
1443	Shell-Thick	SLU-STATICA	18.0781	11.3755	63.42	20.48
1443	Shell-Thick	SLU-SISMICA	40.3795	16.6988	81.98	22.90
1443	Shell-Thick	SLU-SISMICA	37.0865	21.1990	74.82	22.90
1443	Shell-Thick	SLU-SISMICA	25.8451	22.1021	74.82	30.05
1443	Shell-Thick	SLU-SISMICA	28.0811	18.6536	81.98	30.05
1443	Shell-Thick	SLE-RARA	20.2677	7.8876	47.13	11.57
1443	Shell-Thick	SLE-RARA	18.7411	10.1360	43.66	11.57
1443	Shell-Thick	SLE-RARA	12.1787	10.0030	43.66	15.04
1443	Shell-Thick	SLE-RARA	13.2001	8.2571	47.13	15.04
1443	Shell-Thick	SLE-FREQ.	18.7168	7.2081	44.45	10.69
1443	Shell-Thick	SLE-FREQ.	17.3265	9.2829	41.26	10.69
1443	Shell-Thick	SLE-FREQ.	11.1248	9.0699	41.26	13.88
1443	Shell-Thick	SLE-FREQ.	12.0526	7.4553	44.45	13.88
1443	Shell-Thick	SLE-QP	14.0642	5.1697	36.38	8.07
1443	Shell-Thick	SLE-QP	13.0825	6.7236	34.05	8.07
1443	Shell-Thick	SLE-QP	7.9632	6.2709	34.05	10.41
1443	Shell-Thick	SLE-QP	8.6100	5.0502	36.38	10.41
1444	Shell-Thick	SLU-STATICA	17.2367	10.6466	49.60	19.77
1444	Shell-Thick	SLU-STATICA	16.2817	14.2322	47.36	19.77
1444	Shell-Thick	SLU-STATICA	9.4530	16.2817	47.36	22.02
1444	Shell-Thick	SLU-STATICA	9.5090	13.5933	49.60	22.02
1444	Shell-Thick	SLU-SISMICA	26.5167	17.4881	64.75	28.98
1444	Shell-Thick	SLU-SISMICA	24.9980	22.7853	61.20	28.98
1444	Shell-Thick	SLU-SISMICA	16.2257	26.8292	61.20	32.52
1444	Shell-Thick	SLU-SISMICA	16.3802	22.8935	64.75	32.52
1444	Shell-Thick	SLE-RARA	12.5985	7.7264	36.83	14.52
1444	Shell-Thick	SLE-RARA	11.9030	10.3581	35.20	14.52
1444	Shell-Thick	SLE-RARA	6.8254	11.8117	35.20	16.16
1444	Shell-Thick	SLE-RARA	6.8630	9.8368	36.83	16.16
1444	Shell-Thick	SLE-FREQ.	11.5253	6.9737	34.68	13.41
1444	Shell-Thick	SLE-FREQ.	10.8932	9.3998	33.19	13.41
1444	Shell-Thick	SLE-FREQ.	6.1005	10.6537	33.19	14.90
1444	Shell-Thick	SLE-FREQ.	6.1291	8.8300	34.68	14.90
1444	Shell-Thick	SLE-QP	8.3055	4.7154	28.22	10.07
1444	Shell-Thick	SLE-QP	7.8638	6.5249	27.17	10.07
1444	Shell-Thick	SLE-QP	3.9259	7.1796	27.17	11.11
1444	Shell-Thick	SLE-QP	3.9274	5.8095	28.22	11.11
1445	Shell-Thick	SLU-STATICA	7.2763	13.0259	39.88	21.83
1445	Shell-Thick	SLU-STATICA	10.4638	16.6047	38.17	21.83
1445	Shell-Thick	SLU-STATICA	4.7776	14.0564	38.17	23.55
1445	Shell-Thick	SLU-STATICA	1.2439	10.8225	39.88	23.55
1445	Shell-Thick	SLU-SISMICA	12.6412	21.9449	53.01	32.22
1445	Shell-Thick	SLU-SISMICA	17.3523	27.2553	50.26	32.22
1445	Shell-Thick	SLU-SISMICA	9.8672	24.2706	50.26	34.98
1445	Shell-Thick	SLU-SISMICA	4.6221	19.4922	53.01	34.98
1445	Shell-Thick	SLE-RARA	5.2462	9.4258	29.57	16.03
1445	Shell-Thick	SLE-RARA	7.5856	12.0514	28.32	16.03
1445	Shell-Thick	SLE-RARA	3.3666	10.1422	28.32	17.27
1445	Shell-Thick	SLE-RARA	0.7743	7.7687	29.57	17.27
1445	Shell-Thick	SLE-FREQ.	4.6760	8.4605	27.76	14.78

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1445	Shell-Thick	SLE-FREQ.	6.8324	10.8790	26.63	14.78
1445	Shell-Thick	SLE-FREQ.	2.8653	9.0527	26.63	15.91
1445	Shell-Thick	SLE-FREQ.	0.4775	6.8646	27.76	15.91
1445	Shell-Thick	SLE-QP	2.9652	5.5643	22.34	11.03
1445	Shell-Thick	SLE-QP	4.5730	7.3617	21.56	11.03
1445	Shell-Thick	SLE-QP	1.3614	5.7842	21.56	11.81
1445	Shell-Thick	SLE-QP	-0.4126	4.1525	22.34	11.81
1446	Shell-Thick	SLU-STATICA	3.5316	10.6643	31.41	22.80
1446	Shell-Thick	SLU-STATICA	3.7664	14.4699	30.04	22.80
1446	Shell-Thick	SLU-STATICA	-0.5657	13.4449	30.04	24.17
1446	Shell-Thick	SLU-STATICA	-1.3608	10.1987	31.41	24.17
1446	Shell-Thick	SLU-SISMICA	7.6599	19.1581	42.68	33.84
1446	Shell-Thick	SLU-SISMICA	7.9528	24.8294	40.46	33.84
1446	Shell-Thick	SLU-SISMICA	2.1371	23.9446	40.46	36.06
1446	Shell-Thick	SLU-SISMICA	0.9941	19.1218	42.68	36.06
1446	Shell-Thick	SLE-RARA	2.4704	7.6576	23.24	16.73
1446	Shell-Thick	SLE-RARA	2.6454	10.4482	22.24	16.73
1446	Shell-Thick	SLE-RARA	-0.5633	9.6646	22.24	17.72
1446	Shell-Thick	SLE-RARA	-1.1485	7.2833	23.24	17.72
1446	Shell-Thick	SLE-FREQ.	2.0702	6.7708	21.74	15.41
1446	Shell-Thick	SLE-FREQ.	2.2361	9.3392	20.84	15.41
1446	Shell-Thick	SLE-FREQ.	-0.7716	8.5634	20.84	16.31
1446	Shell-Thick	SLE-FREQ.	-1.3137	6.3704	21.74	16.31
1446	Shell-Thick	SLE-QP	0.8697	4.1103	17.24	11.45
1446	Shell-Thick	SLE-QP	1.0083	6.0123	16.62	11.45
1446	Shell-Thick	SLE-QP	-1.3963	5.2598	16.62	12.07
1446	Shell-Thick	SLE-QP	-1.8094	3.6318	17.24	12.07
1447	Shell-Thick	SLU-STATICA	-1.8677	10.0663	24.63	24.11
1447	Shell-Thick	SLU-STATICA	1.3166	13.8523	23.61	24.11
1447	Shell-Thick	SLU-STATICA	-2.2136	11.6890	23.61	25.13
1447	Shell-Thick	SLU-STATICA	-5.5789	8.0831	24.63	25.13
1447	Shell-Thick	SLU-SISMICA	-0.0935	18.8396	34.46	35.95
1447	Shell-Thick	SLU-SISMICA	4.5982	24.5015	32.78	35.95
1447	Shell-Thick	SLU-SISMICA	-0.3089	21.7585	32.78	37.63
1447	Shell-Thick	SLU-SISMICA	-5.2796	16.3744	34.46	37.63
1447	Shell-Thick	SLE-RARA	-1.5036	7.1905	18.17	17.68
1447	Shell-Thick	SLE-RARA	0.8342	9.9659	17.43	17.68
1447	Shell-Thick	SLE-RARA	-1.7722	8.3556	17.43	18.42
1447	Shell-Thick	SLE-RARA	-4.2422	5.7118	18.17	18.42
1447	Shell-Thick	SLE-FREQ.	-1.6124	6.2922	16.92	16.27
1447	Shell-Thick	SLE-FREQ.	0.5439	8.8450	16.25	16.27
1447	Shell-Thick	SLE-FREQ.	-1.8851	7.3220	16.25	16.94
1447	Shell-Thick	SLE-FREQ.	-4.1622	4.8896	16.92	16.94
1447	Shell-Thick	SLE-QP	-1.9386	3.5973	13.15	12.04
1447	Shell-Thick	SLE-QP	-0.3268	5.4823	12.70	12.04
1447	Shell-Thick	SLE-QP	-2.2236	4.2214	12.70	12.49
1447	Shell-Thick	SLE-QP	-3.9223	2.4229	13.15	12.49
1448	Shell-Thick	SLU-STATICA	-3.1618	8.1447	18.98	24.62
1448	Shell-Thick	SLU-STATICA	-2.3395	12.0857	18.05	24.62
1448	Shell-Thick	SLU-STATICA	-4.9447	10.7236	18.05	25.56
1448	Shell-Thick	SLU-STATICA	-6.1157	7.1307	18.98	25.56
1448	Shell-Thick	SLU-SISMICA	-1.9234	16.4006	27.56	36.86
1448	Shell-Thick	SLU-SISMICA	-0.7679	22.3117	26.02	36.86
1448	Shell-Thick	SLU-SISMICA	-4.5268	20.6129	26.02	38.40
1448	Shell-Thick	SLU-SISMICA	-6.2080	15.2263	27.56	38.40
1448	Shell-Thick	SLE-RARA	-2.4575	5.7603	13.96	18.05
1448	Shell-Thick	SLE-RARA	-1.8510	8.6483	13.28	18.05
1448	Shell-Thick	SLE-RARA	-3.7676	7.6330	13.28	18.73
1448	Shell-Thick	SLE-RARA	-4.6295	4.9999	13.96	18.73
1448	Shell-Thick	SLE-FREQ.	-2.4987	4.9398	12.91	16.60
1448	Shell-Thick	SLE-FREQ.	-1.9346	7.5947	12.29	16.60
1448	Shell-Thick	SLE-FREQ.	-3.7090	6.6320	12.29	17.21
1448	Shell-Thick	SLE-FREQ.	-4.5078	4.2113	12.91	17.21
1448	Shell-Thick	SLE-QP	-2.6222	2.4782	9.76	12.25
1448	Shell-Thick	SLE-QP	-2.1851	4.4338	9.35	12.25
1448	Shell-Thick	SLE-QP	-3.5334	3.6293	9.35	12.66
1448	Shell-Thick	SLE-QP	-4.1426	1.8456	9.76	12.66
1449	Shell-Thick	SLU-STATICA	-5.8711	7.1789	14.31	25.54
1449	Shell-Thick	SLU-STATICA	-3.0237	11.1086	13.62	25.54

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1449	Shell-Thick	SLU-STATICA	-5.0769	9.6841	13.62	26.24
1449	Shell-Thick	SLU-STATICA	-8.0102	5.8399	14.31	26.24
1449	Shell-Thick	SLU-SISMICA	-6.0107	15.2528	21.81	38.36
1449	Shell-Thick	SLU-SISMICA	-1.8339	21.1644	20.63	38.36
1449	Shell-Thick	SLU-SISMICA	-4.9558	19.2467	20.63	39.54
1449	Shell-Thick	SLU-SISMICA	-9.2613	13.4628	21.81	39.54
1449	Shell-Thick	SLE-RARA	-4.4417	5.0375	10.47	18.72
1449	Shell-Thick	SLE-RARA	-2.3504	7.9164	9.97	18.72
1449	Shell-Thick	SLE-RARA	-3.8529	6.8616	9.97	19.22
1449	Shell-Thick	SLE-RARA	-6.0073	4.0453	10.47	19.22
1449	Shell-Thick	SLE-FREQ.	-4.3208	4.2497	9.59	17.20
1449	Shell-Thick	SLE-FREQ.	-2.3903	6.8948	9.14	17.20
1449	Shell-Thick	SLE-FREQ.	-3.7679	5.9065	9.14	17.65
1449	Shell-Thick	SLE-FREQ.	-5.7563	3.3191	9.59	17.65
1449	Shell-Thick	SLE-QP	-3.9578	1.8865	6.97	12.66
1449	Shell-Thick	SLE-QP	-2.5098	3.8300	6.68	12.66
1449	Shell-Thick	SLE-QP	-3.5127	3.0414	6.68	12.95
1449	Shell-Thick	SLE-QP	-5.0035	1.1405	6.97	12.95
1450	Shell-Thick	SLU-STATICA	-5.9865	5.9712	10.46	25.91
1450	Shell-Thick	SLU-STATICA	-4.7897	10.0149	9.84	25.91
1450	Shell-Thick	SLU-STATICA	-6.2062	9.0214	9.84	26.54
1450	Shell-Thick	SLU-STATICA	-7.6173	5.1915	10.46	26.54
1450	Shell-Thick	SLU-SISMICA	-6.3237	13.6337	17.04	39.04
1450	Shell-Thick	SLU-SISMICA	-4.6040	19.7336	15.97	39.04
1450	Shell-Thick	SLU-SISMICA	-6.9239	18.3475	15.97	40.12
1450	Shell-Thick	SLU-SISMICA	-8.9596	12.5627	17.04	40.12
1450	Shell-Thick	SLE-RARA	-4.5194	4.1429	7.60	18.98
1450	Shell-Thick	SLE-RARA	-3.6386	7.1045	7.15	18.98
1450	Shell-Thick	SLE-RARA	-4.6669	6.3712	7.15	19.43
1450	Shell-Thick	SLE-RARA	-5.7050	3.5666	7.60	19.43
1450	Shell-Thick	SLE-FREQ.	-4.3802	3.4110	6.87	17.43
1450	Shell-Thick	SLE-FREQ.	-3.5641	6.1306	6.47	17.43
1450	Shell-Thick	SLE-FREQ.	-4.4928	5.4477	6.47	17.83
1450	Shell-Thick	SLE-FREQ.	-5.4540	2.8728	6.87	17.83
1450	Shell-Thick	SLE-QP	-3.9628	1.2154	4.69	12.79
1450	Shell-Thick	SLE-QP	-3.3407	3.2090	4.43	12.79
1450	Shell-Thick	SLE-QP	-3.9707	2.6772	4.43	13.05
1450	Shell-Thick	SLE-QP	-4.7011	0.7917	4.69	13.05
1451	Shell-Thick	SLU-STATICA	-7.1873	5.2940	7.24	26.55
1451	Shell-Thick	SLU-STATICA	-4.5975	9.3267	6.81	26.55
1451	Shell-Thick	SLU-STATICA	-5.6371	8.5660	6.81	26.98
1451	Shell-Thick	SLU-STATICA	-8.2565	4.5626	7.24	26.98
1451	Shell-Thick	SLU-SISMICA	-8.3178	12.7096	13.00	40.13
1451	Shell-Thick	SLU-SISMICA	-4.5082	18.8121	12.19	40.13
1451	Shell-Thick	SLU-SISMICA	-6.3813	17.6859	12.19	40.93
1451	Shell-Thick	SLU-SISMICA	-10.2266	11.6184	13.00	40.93
1451	Shell-Thick	SLE-RARA	-5.3897	3.6420	5.20	19.44
1451	Shell-Thick	SLE-RARA	-3.4881	6.5946	4.89	19.44
1451	Shell-Thick	SLE-RARA	-4.2344	6.0364	4.89	19.75
1451	Shell-Thick	SLE-RARA	-6.1581	3.1057	5.20	19.75
1451	Shell-Thick	SLE-FREQ.	-5.1639	2.9428	4.60	17.84
1451	Shell-Thick	SLE-FREQ.	-3.4094	5.6525	4.32	17.84
1451	Shell-Thick	SLE-FREQ.	-4.0688	5.1381	4.32	18.12
1451	Shell-Thick	SLE-FREQ.	-5.8444	2.4493	4.60	18.12
1451	Shell-Thick	SLE-QP	-4.4866	0.8451	2.80	13.06
1451	Shell-Thick	SLE-QP	-3.1735	2.8261	2.63	13.06
1451	Shell-Thick	SLE-QP	-3.5721	2.4432	2.63	13.22
1451	Shell-Thick	SLE-QP	-4.9032	0.4800	2.80	13.22
1452	Shell-Thick	SLU-STATICA	-6.7266	4.6954	4.63	26.78
1452	Shell-Thick	SLU-STATICA	-5.2976	8.8071	4.27	26.78
1452	Shell-Thick	SLU-STATICA	-5.9011	8.2806	4.27	27.14
1452	Shell-Thick	SLU-STATICA	-7.4594	4.2980	4.63	27.14
1452	Shell-Thick	SLU-SISMICA	-7.8720	11.8276	9.67	40.62
1452	Shell-Thick	SLU-SISMICA	-5.7751	18.0689	8.97	40.62
1452	Shell-Thick	SLU-SISMICA	-7.0844	17.2206	8.97	41.32
1452	Shell-Thick	SLU-SISMICA	-9.3622	11.1595	9.67	41.32
1452	Shell-Thick	SLE-RARA	-5.0399	3.2025	3.26	19.60
1452	Shell-Thick	SLE-RARA	-3.9904	6.2121	3.00	19.60
1452	Shell-Thick	SLE-RARA	-4.4125	5.8292	3.00	19.86

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1452	Shell-Thick	SLE-RARA	-5.5575	2.9149	3.26	19.86
1452	Shell-Thick	SLE-FREQ.	-4.8215	2.5374	2.76	17.98
1452	Shell-Thick	SLE-FREQ.	-3.8528	5.2977	2.54	17.98
1452	Shell-Thick	SLE-FREQ.	-4.2065	4.9507	2.54	18.20
1452	Shell-Thick	SLE-FREQ.	-5.2641	2.2791	2.76	18.20
1452	Shell-Thick	SLE-QP	-4.1664	0.5421	1.28	13.12
1452	Shell-Thick	SLE-QP	-3.4399	2.5548	1.16	13.12
1452	Shell-Thick	SLE-QP	-3.5884	2.3155	1.16	13.24
1452	Shell-Thick	SLE-QP	-4.3839	0.3718	1.28	13.24
1453	Shell-Thick	SLU-STATICA	-7.1043	4.3970	2.47	27.17
1453	Shell-Thick	SLU-STATICA	-4.7094	8.4909	2.25	27.17
1453	Shell-Thick	SLU-STATICA	-5.0648	8.2295	2.25	27.38
1453	Shell-Thick	SLU-STATICA	-7.4581	4.1339	2.47	27.38
1453	Shell-Thick	SLU-SISMICA	-8.6947	11.3331	6.85	41.36
1453	Shell-Thick	SLU-SISMICA	-5.1376	17.5698	6.37	41.36
1453	Shell-Thick	SLU-SISMICA	-6.1394	17.0651	6.37	41.85
1453	Shell-Thick	SLU-SISMICA	-9.6778	10.8093	6.85	41.85
1453	Shell-Thick	SLE-RARA	-5.3040	2.9862	1.65	19.88
1453	Shell-Thick	SLE-RARA	-3.5472	5.9816	1.50	19.88
1453	Shell-Thick	SLE-RARA	-3.7842	5.7956	1.50	20.03
1453	Shell-Thick	SLE-RARA	-5.5407	2.7999	1.65	20.03
1453	Shell-Thick	SLE-FREQ.	-5.0425	2.3426	1.25	18.22
1453	Shell-Thick	SLE-FREQ.	-3.4245	5.0880	1.13	18.22
1453	Shell-Thick	SLE-FREQ.	-3.6026	4.9266	1.13	18.35
1453	Shell-Thick	SLE-FREQ.	-5.2217	2.1822	1.25	18.35
1453	Shell-Thick	SLE-QP	-4.2581	0.4116	4.855E-02	13.25
1453	Shell-Thick	SLE-QP	-3.0566	2.4072	2.827E-03	13.25
1453	Shell-Thick	SLE-QP	-3.0578	2.3195	2.827E-03	13.30
1453	Shell-Thick	SLE-QP	-4.2646	0.3293	4.855E-02	13.30
1454	Shell-Thick	SLU-STATICA	-6.3988	4.2392	0.77	27.26
1454	Shell-Thick	SLU-STATICA	-4.8418	8.3808	0.63	27.26
1454	Shell-Thick	SLU-STATICA	-4.9080	8.2315	0.63	27.40
1454	Shell-Thick	SLU-STATICA	-6.5428	4.1677	0.77	27.40
1454	Shell-Thick	SLU-SISMICA	-7.9102	11.0042	4.58	41.66
1454	Shell-Thick	SLU-SISMICA	-5.5771	17.3361	4.20	41.66
1454	Shell-Thick	SLU-SISMICA	-6.1874	16.9619	4.20	42.05
1454	Shell-Thick	SLU-SISMICA	-8.6174	10.7266	4.58	42.05
1454	Shell-Thick	SLE-RARA	-4.7733	2.8752	0.39	19.94
1454	Shell-Thick	SLE-RARA	-3.6322	5.9042	0.30	19.94
1454	Shell-Thick	SLE-RARA	-3.6552	5.8024	0.30	20.03
1454	Shell-Thick	SLE-RARA	-4.8544	2.8313	0.39	20.03
1454	Shell-Thick	SLE-FREQ.	-4.5314	2.2483	7.212E-02	18.26
1454	Shell-Thick	SLE-FREQ.	-3.4822	5.0227	-1.761E-03	18.26
1454	Shell-Thick	SLE-FREQ.	-3.4599	4.9418	-1.761E-03	18.33
1454	Shell-Thick	SLE-FREQ.	-4.5642	2.2224	7.212E-02	18.33
1454	Shell-Thick	SLE-QP	-3.8057	0.3677	-0.90	13.23
1454	Shell-Thick	SLE-QP	-3.0322	2.3781	-0.90	13.23
1454	Shell-Thick	SLE-QP	-2.8741	2.3602	-0.90	13.24
1454	Shell-Thick	SLE-QP	-3.6937	0.3959	-0.90	13.24
1455	Shell-Thick	SLU-STATICA	-6.3481	4.2413	-0.58	27.44
1455	Shell-Thick	SLU-STATICA	-4.1181	8.3549	-0.61	27.44
1455	Shell-Thick	SLU-STATICA	-4.0367	8.4125	-0.61	27.47
1455	Shell-Thick	SLU-STATICA	-6.2515	4.2837	-0.58	27.47
1455	Shell-Thick	SLU-SISMICA	-8.0952	10.8841	2.69	42.11
1455	Shell-Thick	SLU-SISMICA	-4.7373	17.1990	2.47	42.11
1455	Shell-Thick	SLU-SISMICA	-5.1475	17.1115	2.47	42.33
1455	Shell-Thick	SLU-SISMICA	-8.4598	10.7507	2.69	42.33
1455	Shell-Thick	SLE-RARA	-4.7231	2.8829	-0.60	20.06
1455	Shell-Thick	SLE-RARA	-3.0895	5.8902	-0.61	20.06
1455	Shell-Thick	SLE-RARA	-3.0034	5.9411	-0.61	20.07
1455	Shell-Thick	SLE-RARA	-4.6269	2.9237	-0.60	20.07
1455	Shell-Thick	SLE-FREQ.	-4.4631	2.2659	-0.86	18.36
1455	Shell-Thick	SLE-FREQ.	-2.9625	5.0181	-0.85	18.36
1455	Shell-Thick	SLE-FREQ.	-2.8381	5.0797	-0.85	18.36
1455	Shell-Thick	SLE-FREQ.	-4.3314	2.3201	-0.86	18.36
1455	Shell-Thick	SLE-QP	-3.6830	0.4149	-1.62	13.26
1455	Shell-Thick	SLE-QP	-2.5813	2.4020	-1.56	13.26
1455	Shell-Thick	SLE-QP	-2.3421	2.4955	-1.56	13.21
1455	Shell-Thick	SLE-QP	-3.4447	0.5094	-1.62	13.21



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1456	Shell-Thick	SLU-STATICA	-5.5797	4.3547	-1.55	27.39
1456	Shell-Thick	SLU-STATICA	-3.9713	8.4889	-1.52	27.39
1456	Shell-Thick	SLU-STATICA	-3.7160	8.5708	-1.52	27.36
1456	Shell-Thick	SLU-STATICA	-5.3737	4.4859	-1.55	27.36
1456	Shell-Thick	SLU-SISMICA	-7.1996	10.9114	1.23	42.22
1456	Shell-Thick	SLU-SISMICA	-4.7418	17.2840	1.10	42.22
1456	Shell-Thick	SLU-SISMICA	-4.8922	17.2238	1.10	42.35
1456	Shell-Thick	SLU-SISMICA	-7.3989	10.9001	1.23	42.35
1456	Shell-Thick	SLE-RARA	-4.1472	2.9730	-1.32	20.02
1456	Shell-Thick	SLE-RARA	-2.9708	5.9942	-1.28	20.02
1456	Shell-Thick	SLE-RARA	-2.7571	6.0633	-1.28	19.98
1456	Shell-Thick	SLE-RARA	-3.9709	3.0795	-1.32	19.98
1456	Shell-Thick	SLE-FREQ.	-3.9119	2.3609	-1.51	18.30
1456	Shell-Thick	SLE-FREQ.	-2.8342	5.1236	-1.47	18.30
1456	Shell-Thick	SLE-FREQ.	-2.5925	5.2027	-1.47	18.26
1456	Shell-Thick	SLE-FREQ.	-3.7066	2.4765	-1.51	18.26
1456	Shell-Thick	SLE-QP	-3.2057	0.5244	-2.10	13.17
1456	Shell-Thick	SLE-QP	-2.4245	2.5118	-2.02	13.17
1456	Shell-Thick	SLE-QP	-2.0986	2.6208	-2.02	13.08
1456	Shell-Thick	SLE-QP	-2.9136	0.6673	-2.10	13.08
1457	Shell-Thick	SLU-STATICA	-5.3268	4.5313	-2.23	27.40
1457	Shell-Thick	SLU-STATICA	-3.2558	8.6268	-2.11	27.40
1457	Shell-Thick	SLU-STATICA	-2.9380	8.8352	-2.11	27.28
1457	Shell-Thick	SLU-STATICA	-4.9918	4.7225	-2.23	27.28
1457	Shell-Thick	SLU-SISMICA	-7.0460	11.0276	8.109E-02	42.42
1457	Shell-Thick	SLU-SISMICA	-3.8801	17.3693	7.647E-02	42.42
1457	Shell-Thick	SLU-SISMICA	-3.9186	17.4994	7.647E-02	42.42
1457	Shell-Thick	SLU-SISMICA	-7.0312	11.1045	8.109E-02	42.42
1457	Shell-Thick	SLE-RARA	-3.9507	3.1099	-1.81	20.01
1457	Shell-Thick	SLE-RARA	-2.4359	6.1013	-1.71	20.01
1457	Shell-Thick	SLE-RARA	-2.1774	6.2631	-1.71	19.91
1457	Shell-Thick	SLE-RARA	-3.6808	3.2605	-1.81	19.91
1457	Shell-Thick	SLE-FREQ.	-3.7120	2.4993	-1.95	18.28
1457	Shell-Thick	SLE-FREQ.	-2.3246	5.2324	-1.85	18.28
1457	Shell-Thick	SLE-FREQ.	-2.0431	5.3966	-1.85	18.18
1457	Shell-Thick	SLE-FREQ.	-3.4225	2.6556	-1.95	18.18
1457	Shell-Thick	SLE-QP	-2.9959	0.6676	-2.39	13.10
1457	Shell-Thick	SLE-QP	-1.9905	2.6256	-2.26	13.10
1457	Shell-Thick	SLE-QP	-1.6403	2.7972	-2.26	12.97
1457	Shell-Thick	SLE-QP	-2.6474	0.8409	-2.39	12.97
1458	Shell-Thick	SLU-STATICA	-4.5974	4.7629	-2.58	27.23
1458	Shell-Thick	SLU-STATICA	-3.0248	8.8563	-2.42	27.23
1458	Shell-Thick	SLU-STATICA	-2.6716	9.0014	-2.42	27.10
1458	Shell-Thick	SLU-STATICA	-4.2923	4.9404	-2.58	27.10
1458	Shell-Thick	SLU-SISMICA	-6.1739	11.2231	-0.67	42.36
1458	Shell-Thick	SLU-SISMICA	-3.7245	17.5911	-0.62	42.36
1458	Shell-Thick	SLU-SISMICA	-3.6204	17.6579	-0.62	42.32
1458	Shell-Thick	SLU-SISMICA	-6.1077	11.3155	-0.67	42.32
1458	Shell-Thick	SLE-RARA	-3.4050	3.2871	-2.05	19.88
1458	Shell-Thick	SLE-RARA	-2.2572	6.2756	-1.92	19.88
1458	Shell-Thick	SLE-RARA	-1.9771	6.3894	-1.92	19.77
1458	Shell-Thick	SLE-RARA	-3.1620	3.4259	-2.05	19.77
1458	Shell-Thick	SLE-FREQ.	-3.1915	2.6752	-2.16	18.15
1458	Shell-Thick	SLE-FREQ.	-2.1440	5.4030	-2.03	18.15
1458	Shell-Thick	SLE-FREQ.	-1.8504	5.5204	-2.03	18.03
1458	Shell-Thick	SLE-FREQ.	-2.9348	2.8175	-2.16	18.03
1458	Shell-Thick	SLE-QP	-2.5510	0.8393	-2.47	12.95
1458	Shell-Thick	SLE-QP	-1.8046	2.7853	-2.33	12.95
1458	Shell-Thick	SLE-QP	-1.4702	2.9136	-2.33	12.82
1458	Shell-Thick	SLE-QP	-2.2534	0.9924	-2.47	12.82
1459	Shell-Thick	SLU-STATICA	-4.3929	4.9580	-2.72	27.14
1459	Shell-Thick	SLU-STATICA	-2.4238	9.0132	-2.51	27.14
1459	Shell-Thick	SLU-STATICA	-2.1530	9.1868	-2.51	26.99
1459	Shell-Thick	SLU-STATICA	-4.0900	5.1197	-2.72	26.99
1459	Shell-Thick	SLU-SISMICA	-6.0234	11.3919	-1.16	42.39
1459	Shell-Thick	SLU-SISMICA	-2.9697	17.7285	-1.03	42.39
1459	Shell-Thick	SLU-SISMICA	-2.8967	17.8702	-1.03	42.30
1459	Shell-Thick	SLU-SISMICA	-5.8560	11.4984	-1.16	42.30
1459	Shell-Thick	SLE-RARA	-3.2474	3.4363	-2.14	19.80



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1459	Shell-Thick	SLE-RARA	-1.8094	6.3954	-1.98	19.80
1459	Shell-Thick	SLE-RARA	-1.5943	6.5285	-1.98	19.69
1459	Shell-Thick	SLE-RARA	-3.0112	3.5616	-2.14	19.69
1459	Shell-Thick	SLE-FREQ.	-3.0334	2.8228	-2.22	18.06
1459	Shell-Thick	SLE-FREQ.	-1.7199	5.5215	-2.05	18.06
1459	Shell-Thick	SLE-FREQ.	-1.4939	5.6540	-2.05	17.94
1459	Shell-Thick	SLE-FREQ.	-2.7918	2.9495	-2.22	17.94
1459	Shell-Thick	SLE-QP	-2.3912	0.9824	-2.44	12.84
1459	Shell-Thick	SLE-QP	-1.4515	2.8997	-2.27	12.84
1459	Shell-Thick	SLE-QP	-1.1926	3.0302	-2.27	12.71
1459	Shell-Thick	SLE-QP	-2.1337	1.1134	-2.44	12.71
1460	Shell-Thick	SLU-STATICA	-3.8665	5.1357	-2.80	26.95
1460	Shell-Thick	SLU-STATICA	-2.3325	9.1796	-2.58	26.95
1460	Shell-Thick	SLU-STATICA	-2.0071	9.3069	-2.58	26.79
1460	Shell-Thick	SLU-STATICA	-3.6026	5.2860	-2.80	26.79
1460	Shell-Thick	SLU-SISMICA	-5.3218	11.5672	-1.52	42.25
1460	Shell-Thick	SLU-SISMICA	-2.8964	17.9083	-1.36	42.25
1460	Shell-Thick	SLU-SISMICA	-2.7156	17.9923	-1.36	42.14
1460	Shell-Thick	SLU-SISMICA	-5.1873	11.6686	-1.52	42.14
1460	Shell-Thick	SLE-RARA	-2.8573	3.5711	-2.19	19.66
1460	Shell-Thick	SLE-RARA	-1.7393	6.5208	-2.01	19.66
1460	Shell-Thick	SLE-RARA	-1.4855	6.6194	-2.01	19.53
1460	Shell-Thick	SLE-RARA	-2.6509	3.6874	-2.19	19.53
1460	Shell-Thick	SLE-FREQ.	-2.6672	2.9545	-2.24	17.92
1460	Shell-Thick	SLE-FREQ.	-1.6501	5.6427	-2.06	17.92
1460	Shell-Thick	SLE-FREQ.	-1.3907	5.7424	-2.06	17.79
1460	Shell-Thick	SLE-FREQ.	-2.4553	3.0719	-2.24	17.79
1460	Shell-Thick	SLE-QP	-2.0971	1.1046	-2.39	12.69
1460	Shell-Thick	SLE-QP	-1.3824	3.0084	-2.21	12.69
1460	Shell-Thick	SLE-QP	-1.1061	3.1115	-2.21	12.56
1460	Shell-Thick	SLE-QP	-1.8685	1.2256	-2.39	12.56
1461	Shell-Thick	SLU-STATICA	-3.6999	5.2907	-2.92	26.82
1461	Shell-Thick	SLU-STATICA	-1.9587	9.2924	-2.64	26.82
1461	Shell-Thick	SLU-STATICA	-1.5439	9.4917	-2.64	26.53
1461	Shell-Thick	SLU-STATICA	-3.2792	5.4843	-2.92	26.53
1461	Shell-Thick	SLU-SISMICA	-5.0767	11.7305	-1.94	42.19
1461	Shell-Thick	SLU-SISMICA	-2.3470	18.0261	-1.70	42.19
1461	Shell-Thick	SLU-SISMICA	-2.0944	18.1951	-1.70	41.95
1461	Shell-Thick	SLU-SISMICA	-4.7835	11.8591	-1.94	41.95
1461	Shell-Thick	SLE-RARA	-2.7350	3.6881	-2.26	19.55
1461	Shell-Thick	SLE-RARA	-1.4649	6.6060	-2.05	19.55
1461	Shell-Thick	SLE-RARA	-1.1424	6.7586	-2.05	19.34
1461	Shell-Thick	SLE-RARA	-2.4098	3.8381	-2.26	19.34
1461	Shell-Thick	SLE-FREQ.	-2.5544	3.0679	-2.29	17.81
1461	Shell-Thick	SLE-FREQ.	-1.3968	5.7254	-2.08	17.81
1461	Shell-Thick	SLE-FREQ.	-1.0690	5.8767	-2.08	17.59
1461	Shell-Thick	SLE-FREQ.	-2.2268	3.2196	-2.29	17.59
1461	Shell-Thick	SLE-QP	-2.0126	1.2074	-2.37	12.57
1461	Shell-Thick	SLE-QP	-1.1928	3.0835	-2.16	12.57
1461	Shell-Thick	SLE-QP	-0.8488	3.2309	-2.16	12.36
1461	Shell-Thick	SLE-QP	-1.6777	1.3640	-2.37	12.36
1462	Shell-Thick	SLU-STATICA	-3.2525	5.4825	-3.06	26.52
1462	Shell-Thick	SLU-STATICA	-1.7451	9.4587	-2.75	26.52
1462	Shell-Thick	SLU-STATICA	-1.2921	9.6197	-2.75	26.22
1462	Shell-Thick	SLU-STATICA	-2.8339	5.6782	-3.06	26.22
1462	Shell-Thick	SLU-SISMICA	-4.4569	11.9202	-2.36	41.95
1462	Shell-Thick	SLU-SISMICA	-2.0551	18.2073	-2.09	41.95
1462	Shell-Thick	SLU-SISMICA	-1.7107	18.3373	-2.09	41.67
1462	Shell-Thick	SLU-SISMICA	-4.1329	12.0708	-2.36	41.67
1462	Shell-Thick	SLE-RARA	-2.4045	3.8335	-2.35	19.33
1462	Shell-Thick	SLE-RARA	-1.3068	6.7313	-2.12	19.33
1462	Shell-Thick	SLE-RARA	-0.9582	6.8549	-2.12	19.10
1462	Shell-Thick	SLE-RARA	-2.0826	3.9841	-2.35	19.10
1462	Shell-Thick	SLE-FREQ.	-2.2462	3.2099	-2.35	17.59
1462	Shell-Thick	SLE-FREQ.	-1.2491	5.8464	-2.12	17.59
1462	Shell-Thick	SLE-FREQ.	-0.9002	5.9694	-2.12	17.35
1462	Shell-Thick	SLE-FREQ.	-1.9245	3.3605	-2.35	17.35
1462	Shell-Thick	SLE-QP	-1.7714	1.3392	-2.35	12.35
1462	Shell-Thick	SLE-QP	-1.0760	3.1915	-2.12	12.35

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1462	Shell-Thick	SLE-QP	-0.7261	3.3131	-2.12	12.13
1462	Shell-Thick	SLE-QP	-1.4503	1.4897	-2.35	12.13
1463	Shell-Thick	SLU-STATICA	-3.0001	5.6612	-3.22	26.23
1463	Shell-Thick	SLU-STATICA	-1.4310	9.5756	-2.87	26.23
1463	Shell-Thick	SLU-STATICA	-0.9724	9.7351	-2.87	25.89
1463	Shell-Thick	SLU-STATICA	-2.5445	5.8239	-3.22	25.89
1463	Shell-Thick	SLU-SISMICA	-4.0903	12.1087	-2.79	41.71
1463	Shell-Thick	SLU-SISMICA	-1.5962	18.3309	-2.45	41.71
1463	Shell-Thick	SLU-SISMICA	-1.2172	18.4697	-2.45	41.37
1463	Shell-Thick	SLU-SISMICA	-3.6828	12.2193	-2.79	41.37
1463	Shell-Thick	SLE-RARA	-2.2190	3.9685	-2.46	19.11
1463	Shell-Thick	SLE-RARA	-1.0761	6.8196	-2.20	19.11
1463	Shell-Thick	SLE-RARA	-0.7246	6.9414	-2.20	18.85
1463	Shell-Thick	SLE-RARA	-1.8714	4.0943	-2.46	18.85
1463	Shell-Thick	SLE-FREQ.	-2.0747	3.3408	-2.43	17.37
1463	Shell-Thick	SLE-FREQ.	-1.0360	5.9319	-2.18	17.37
1463	Shell-Thick	SLE-FREQ.	-0.6866	6.0525	-2.18	17.11
1463	Shell-Thick	SLE-FREQ.	-1.7317	3.4678	-2.43	17.11
1463	Shell-Thick	SLE-QP	-1.6418	1.4576	-2.36	12.14
1463	Shell-Thick	SLE-QP	-0.9156	3.2689	-2.12	12.14
1463	Shell-Thick	SLE-QP	-0.5727	3.3855	-2.12	11.90
1463	Shell-Thick	SLE-QP	-1.3127	1.5882	-2.36	11.90
1464	Shell-Thick	SLU-STATICA	-2.6893	5.7944	-3.40	25.89
1464	Shell-Thick	SLU-STATICA	-1.2790	9.6743	-3.04	25.89
1464	Shell-Thick	SLU-STATICA	-0.7758	9.8167	-3.04	25.53
1464	Shell-Thick	SLU-STATICA	-2.2262	5.9773	-3.40	25.53
1464	Shell-Thick	SLU-SISMICA	-3.6264	12.2373	-3.20	41.38
1464	Shell-Thick	SLU-SISMICA	-1.3503	18.4364	-2.83	41.38
1464	Shell-Thick	SLU-SISMICA	-0.8830	18.5632	-2.83	41.01
1464	Shell-Thick	SLU-SISMICA	-3.1877	12.3928	-3.20	41.01
1464	Shell-Thick	SLE-RARA	-1.9911	4.0696	-2.59	18.85
1464	Shell-Thick	SLE-RARA	-0.9656	6.8940	-2.31	18.85
1464	Shell-Thick	SLE-RARA	-0.5825	7.0027	-2.31	18.57
1464	Shell-Thick	SLE-RARA	-1.6390	4.2096	-2.59	18.57
1464	Shell-Thick	SLE-FREQ.	-1.8650	3.4398	-2.54	17.11
1464	Shell-Thick	SLE-FREQ.	-0.9359	6.0039	-2.27	17.11
1464	Shell-Thick	SLE-FREQ.	-0.5593	6.1113	-2.27	16.84
1464	Shell-Thick	SLE-FREQ.	-1.5196	3.5786	-2.54	16.84
1464	Shell-Thick	SLE-QP	-1.4867	1.5503	-2.40	11.90
1464	Shell-Thick	SLE-QP	-0.8470	3.3337	-2.15	11.90
1464	Shell-Thick	SLE-QP	-0.4898	3.4369	-2.15	11.65
1464	Shell-Thick	SLE-QP	-1.1613	1.6855	-2.40	11.65
1465	Shell-Thick	SLU-STATICA	-2.5049	5.9325	-3.62	25.54
1465	Shell-Thick	SLU-STATICA	-1.0881	9.7433	-3.23	25.54
1465	Shell-Thick	SLU-STATICA	-0.5675	9.8739	-3.23	25.15
1465	Shell-Thick	SLU-STATICA	-1.9963	6.0753	-3.62	25.15
1465	Shell-Thick	SLU-SISMICA	-3.3244	12.3876	-3.64	41.04
1465	Shell-Thick	SLU-SISMICA	-1.0438	18.5089	-3.22	41.04
1465	Shell-Thick	SLU-SISMICA	-0.5373	18.6204	-3.22	40.61
1465	Shell-Thick	SLU-SISMICA	-2.8019	12.4835	-3.64	40.61
1465	Shell-Thick	SLE-RARA	-1.8572	4.1737	-2.75	18.58
1465	Shell-Thick	SLE-RARA	-0.8267	6.9462	-2.45	18.58
1465	Shell-Thick	SLE-RARA	-0.4315	7.0461	-2.45	18.28
1465	Shell-Thick	SLE-RARA	-1.4725	4.2842	-2.75	18.28
1465	Shell-Thick	SLE-FREQ.	-1.7441	3.5403	-2.68	16.85
1465	Shell-Thick	SLE-FREQ.	-0.8099	6.0545	-2.39	16.85
1465	Shell-Thick	SLE-FREQ.	-0.4234	6.1535	-2.39	16.56
1465	Shell-Thick	SLE-FREQ.	-1.3700	3.6519	-2.68	16.56
1465	Shell-Thick	SLE-QP	-1.4047	1.6401	-2.47	11.65
1465	Shell-Thick	SLE-QP	-0.7597	3.3796	-2.21	11.65
1465	Shell-Thick	SLE-QP	-0.3989	3.4760	-2.21	11.40
1465	Shell-Thick	SLE-QP	-1.0625	1.7551	-2.47	11.40
1466	Shell-Thick	SLU-STATICA	-2.3209	6.0152	-3.90	25.15
1466	Shell-Thick	SLU-STATICA	-0.9930	9.7839	-3.48	25.15
1466	Shell-Thick	SLU-STATICA	-0.4154	9.9249	-3.48	24.74
1466	Shell-Thick	SLU-STATICA	-1.7906	6.2038	-3.90	24.74
1466	Shell-Thick	SLU-SISMICA	-3.0259	12.4549	-4.11	40.63
1466	Shell-Thick	SLU-SISMICA	-0.8590	18.5398	-3.65	40.63
1466	Shell-Thick	SLU-SISMICA	-0.2573	18.6736	-3.65	40.17

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1466	Shell-Thick	SLU-SISMICA	-2.4632	12.6281	-4.11	40.17
1466	Shell-Thick	SLE-RARA	-1.7235	4.2371	-2.94	18.29
1466	Shell-Thick	SLE-RARA	-0.7591	6.9774	-2.63	18.29
1466	Shell-Thick	SLE-RARA	-0.3226	7.0846	-2.63	17.98
1466	Shell-Thick	SLE-RARA	-1.3233	4.3808	-2.94	17.98
1466	Shell-Thick	SLE-FREQ.	-1.6230	3.6035	-2.85	16.56
1466	Shell-Thick	SLE-FREQ.	-0.7514	6.0858	-2.55	16.56
1466	Shell-Thick	SLE-FREQ.	-0.3277	6.1909	-2.55	16.27
1466	Shell-Thick	SLE-FREQ.	-1.2354	3.7448	-2.85	16.27
1466	Shell-Thick	SLE-QP	-1.3217	1.7024	-2.58	11.39
1466	Shell-Thick	SLE-QP	-0.7283	3.4110	-2.32	11.39
1466	Shell-Thick	SLE-QP	-0.3428	3.5099	-2.32	11.13
1466	Shell-Thick	SLE-QP	-0.9716	1.8369	-2.58	11.13
1467	Shell-Thick	SLU-STATICA	-2.1962	6.1290	-4.22	24.74
1467	Shell-Thick	SLU-STATICA	-0.9070	9.8202	-3.78	24.74
1467	Shell-Thick	SLU-STATICA	-0.2964	9.9396	-3.78	24.30
1467	Shell-Thick	SLU-STATICA	-1.6049	6.2679	-4.22	24.30
1467	Shell-Thick	SLU-SISMICA	-2.7949	12.5781	-4.63	40.19
1467	Shell-Thick	SLU-SISMICA	-0.6956	18.5696	-4.10	40.19
1467	Shell-Thick	SLU-SISMICA	-0.0430	18.6629	-4.10	39.67
1467	Shell-Thick	SLU-SISMICA	-2.1368	12.6664	-4.63	39.67
1467	Shell-Thick	SLE-RARA	-1.6343	4.3229	-3.18	17.98
1467	Shell-Thick	SLE-RARA	-0.6978	7.0053	-2.85	17.98
1467	Shell-Thick	SLE-RARA	-0.2372	7.0970	-2.85	17.65
1467	Shell-Thick	SLE-RARA	-1.1896	4.4306	-3.18	17.65
1467	Shell-Thick	SLE-FREQ.	-1.5448	3.6863	-3.07	16.27
1467	Shell-Thick	SLE-FREQ.	-0.6980	6.1135	-2.75	16.27
1467	Shell-Thick	SLE-FREQ.	-0.2522	6.2051	-2.75	15.95
1467	Shell-Thick	SLE-FREQ.	-1.1165	3.7956	-3.07	15.95
1467	Shell-Thick	SLE-QP	-1.2763	1.7765	-2.74	11.13
1467	Shell-Thick	SLE-QP	-0.6985	3.4382	-2.46	11.13
1467	Shell-Thick	SLE-QP	-0.2972	3.5295	-2.46	10.86
1467	Shell-Thick	SLE-QP	-0.8974	1.8903	-2.74	10.86
1468	Shell-Thick	SLU-STATICA	-2.1146	6.1761	-4.63	24.31
1468	Shell-Thick	SLU-STATICA	-0.8541	9.8179	-4.16	24.31
1468	Shell-Thick	SLU-STATICA	-0.1673	9.9807	-4.16	23.84
1468	Shell-Thick	SLU-STATICA	-1.4820	6.3933	-4.63	23.84
1468	Shell-Thick	SLU-SISMICA	-2.6417	12.5914	-5.21	39.69
1468	Shell-Thick	SLU-SISMICA	-0.5641	18.5326	-4.64	39.69
1468	Shell-Thick	SLU-SISMICA	0.2005	18.6912	-4.64	39.12
1468	Shell-Thick	SLU-SISMICA	-1.9262	12.7997	-5.21	39.12
1468	Shell-Thick	SLE-RARA	-1.5761	4.3602	-3.48	17.65
1468	Shell-Thick	SLE-RARA	-0.6616	7.0052	-3.13	17.65
1468	Shell-Thick	SLE-RARA	-0.1451	7.1288	-3.13	17.31
1468	Shell-Thick	SLE-RARA	-1.1008	4.5252	-3.48	17.31
1468	Shell-Thick	SLE-FREQ.	-1.4939	3.7255	-3.34	15.95
1468	Shell-Thick	SLE-FREQ.	-0.6691	6.1163	-3.01	15.95
1468	Shell-Thick	SLE-FREQ.	-0.1718	6.2371	-3.01	15.62
1468	Shell-Thick	SLE-FREQ.	-1.0372	3.8872	-3.34	15.62
1468	Shell-Thick	SLE-QP	-1.2474	1.8213	-2.94	10.86
1468	Shell-Thick	SLE-QP	-0.6917	3.4496	-2.66	10.86
1468	Shell-Thick	SLE-QP	-0.2517	3.5623	-2.66	10.58
1468	Shell-Thick	SLE-QP	-0.8462	1.9730	-2.94	10.58
1469	Shell-Thick	SLU-STATICA	-2.0241	6.2878	-5.11	23.84
1469	Shell-Thick	SLU-STATICA	-0.8452	9.8421	-4.61	23.84
1469	Shell-Thick	SLU-STATICA	-0.1043	9.9710	-4.61	23.35
1469	Shell-Thick	SLU-STATICA	-1.3069	6.4408	-5.11	23.35
1469	Shell-Thick	SLU-SISMICA	-2.4578	12.7065	-5.87	39.14
1469	Shell-Thick	SLU-SISMICA	-0.5157	18.5349	-5.23	39.14
1469	Shell-Thick	SLU-SISMICA	0.3182	18.6229	-5.23	38.50
1469	Shell-Thick	SLU-SISMICA	-1.6246	12.7958	-5.87	38.50
1469	Shell-Thick	SLE-RARA	-1.5121	4.4447	-3.83	17.31
1469	Shell-Thick	SLE-RARA	-0.6569	7.0247	-3.46	17.31
1469	Shell-Thick	SLE-RARA	-0.1001	7.1243	-3.46	16.93
1469	Shell-Thick	SLE-RARA	-0.9744	4.5639	-3.83	16.93
1469	Shell-Thick	SLE-FREQ.	-1.4392	3.8077	-3.67	15.62
1469	Shell-Thick	SLE-FREQ.	-0.6677	6.1371	-3.32	15.62
1469	Shell-Thick	SLE-FREQ.	-0.1323	6.2376	-3.32	15.27
1469	Shell-Thick	SLE-FREQ.	-0.9243	3.9291	-3.67	15.27

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1469	Shell-Thick	SLE-QP	-1.2204	1.8964	-3.20	10.57
1469	Shell-Thick	SLE-QP	-0.7004	3.4743	-2.91	10.57
1469	Shell-Thick	SLE-QP	-0.2291	3.5776	-2.91	10.28
1469	Shell-Thick	SLE-QP	-0.7739	2.0247	-3.20	10.28
1470	Shell-Thick	SLU-STATICA	-2.0077	6.3171	-5.69	23.36
1470	Shell-Thick	SLU-STATICA	-0.8063	9.8142	-5.16	23.36
1470	Shell-Thick	SLU-STATICA	0.0383	10.0276	-5.16	22.83
1470	Shell-Thick	SLU-STATICA	-1.2221	6.5899	-5.69	22.83
1470	Shell-Thick	SLU-SISMICA	-2.4101	12.6768	-6.64	38.54
1470	Shell-Thick	SLU-SISMICA	-0.4101	18.4391	-5.94	38.54
1470	Shell-Thick	SLU-SISMICA	0.5630	18.6491	-5.94	37.84
1470	Shell-Thick	SLU-SISMICA	-1.4936	12.9440	-6.64	37.84
1470	Shell-Thick	SLE-RARA	-1.5013	4.4698	-4.27	16.95
1470	Shell-Thick	SLE-RARA	-0.6307	7.0068	-3.87	16.95
1470	Shell-Thick	SLE-RARA	0.0029	7.1688	-3.87	16.55
1470	Shell-Thick	SLE-RARA	-0.9125	4.6769	-4.27	16.55
1470	Shell-Thick	SLE-FREQ.	-1.4312	3.8370	-4.08	15.28
1470	Shell-Thick	SLE-FREQ.	-0.6477	6.1253	-3.72	15.28
1470	Shell-Thick	SLE-FREQ.	-0.0403	6.2835	-3.72	14.91
1470	Shell-Thick	SLE-FREQ.	-0.8676	4.0394	-4.08	14.91
1470	Shell-Thick	SLE-QP	-1.2209	1.9384	-3.53	10.28
1470	Shell-Thick	SLE-QP	-0.6988	3.4805	-3.24	10.28
1470	Shell-Thick	SLE-QP	-0.1699	3.6277	-3.24	9.99
1470	Shell-Thick	SLE-QP	-0.7332	2.1269	-3.53	9.99
1471	Shell-Thick	SLU-STATICA	-1.9113	6.4542	-6.38	22.83
1471	Shell-Thick	SLU-STATICA	-0.8331	9.8513	-5.81	22.83
1471	Shell-Thick	SLU-STATICA	0.0944	10.0112	-5.81	22.26
1471	Shell-Thick	SLU-STATICA	-1.0077	6.6385	-6.38	22.26
1471	Shell-Thick	SLU-SISMICA	-2.2322	12.8105	-7.51	37.86
1471	Shell-Thick	SLU-SISMICA	-0.4326	18.4357	-6.72	37.86
1471	Shell-Thick	SLU-SISMICA	0.6358	18.5335	-6.72	37.08
1471	Shell-Thick	SLU-SISMICA	-1.1643	12.9094	-7.51	37.08
1471	Shell-Thick	SLE-RARA	-1.4322	4.5739	-4.78	16.55
1471	Shell-Thick	SLE-RARA	-0.6512	7.0370	-4.36	16.55
1471	Shell-Thick	SLE-RARA	0.0446	7.1613	-4.36	16.13
1471	Shell-Thick	SLE-RARA	-0.7558	4.7178	-4.78	16.13
1471	Shell-Thick	SLE-FREQ.	-1.3706	3.9388	-4.57	14.91
1471	Shell-Thick	SLE-FREQ.	-0.6681	6.1580	-4.18	14.91
1471	Shell-Thick	SLE-FREQ.	-0.0010	6.2843	-4.18	14.52
1471	Shell-Thick	SLE-FREQ.	-0.7243	4.0862	-4.57	14.52
1471	Shell-Thick	SLE-QP	-1.1855	2.0333	-3.94	9.98
1471	Shell-Thick	SLE-QP	-0.7187	3.5210	-3.63	9.98
1471	Shell-Thick	SLE-QP	-0.1378	3.6535	-3.63	9.67
1471	Shell-Thick	SLE-QP	-0.6298	2.1911	-3.94	9.67
1472	Shell-Thick	SLU-STATICA	-1.9076	6.4838	-7.23	22.29
1472	Shell-Thick	SLU-STATICA	-0.7626	9.8146	-6.62	22.29
1472	Shell-Thick	SLU-STATICA	0.3066	10.1138	-6.62	21.68
1472	Shell-Thick	SLU-STATICA	-0.8989	6.8439	-7.23	21.68
1472	Shell-Thick	SLU-SISMICA	-2.2354	12.7500	-8.54	37.14
1472	Shell-Thick	SLU-SISMICA	-0.3079	18.2899	-7.67	37.14
1472	Shell-Thick	SLU-SISMICA	0.9379	18.5898	-7.67	36.27
1472	Shell-Thick	SLU-SISMICA	-1.0489	13.1099	-8.54	36.27
1472	Shell-Thick	SLE-RARA	-1.4292	4.6008	-5.41	16.15
1472	Shell-Thick	SLE-RARA	-0.6005	7.0146	-4.96	16.15
1472	Shell-Thick	SLE-RARA	0.2009	7.2413	-4.96	15.70
1472	Shell-Thick	SLE-RARA	-0.6737	4.8737	-5.41	15.70
1472	Shell-Thick	SLE-FREQ.	-1.3670	3.9724	-5.17	14.53
1472	Shell-Thick	SLE-FREQ.	-0.6230	6.1452	-4.75	14.53
1472	Shell-Thick	SLE-FREQ.	0.1441	6.3662	-4.75	14.11
1472	Shell-Thick	SLE-FREQ.	-0.6448	4.2385	-5.17	14.11
1472	Shell-Thick	SLE-QP	-1.1805	2.0871	-4.45	9.68
1472	Shell-Thick	SLE-QP	-0.6907	3.5368	-4.13	9.68
1472	Shell-Thick	SLE-QP	-0.0264	3.7408	-4.13	9.36
1472	Shell-Thick	SLE-QP	-0.5580	2.3332	-4.45	9.36
1473	Shell-Thick	SLU-STATICA	-1.5565	6.7106	-7.98	21.68
1473	Shell-Thick	SLU-STATICA	-0.6022	9.9337	-7.35	21.68
1473	Shell-Thick	SLU-STATICA	0.1714	10.0350	-7.35	21.26
1473	Shell-Thick	SLU-STATICA	-0.7980	6.8161	-7.98	21.26
1473	Shell-Thick	SLU-SISMICA	-1.7779	12.9723	-9.43	36.28

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1473	Shell-Thick	SLU-SISMICA	-0.1483	18.3643	-8.51	36.28
1473	Shell-Thick	SLU-SISMICA	0.7275	18.3823	-8.51	35.66
1473	Shell-Thick	SLU-SISMICA	-0.8616	12.9798	-9.43	35.66
1473	Shell-Thick	SLE-RARA	-1.1684	4.7729	-5.98	15.70
1473	Shell-Thick	SLE-RARA	-0.4789	7.1071	-5.51	15.70
1473	Shell-Thick	SLE-RARA	0.1022	7.1880	-5.51	15.39
1473	Shell-Thick	SLE-RARA	-0.6015	4.8577	-5.98	15.39
1473	Shell-Thick	SLE-FREQ.	-1.1214	4.1406	-5.71	14.11
1473	Shell-Thick	SLE-FREQ.	-0.5044	6.2390	-5.28	14.11
1473	Shell-Thick	SLE-FREQ.	0.0540	6.3248	-5.28	13.82
1473	Shell-Thick	SLE-FREQ.	-0.5814	4.2314	-5.71	13.82
1473	Shell-Thick	SLE-QP	-0.9804	2.2438	-4.91	9.35
1473	Shell-Thick	SLE-QP	-0.5809	3.6348	-4.59	9.35
1473	Shell-Thick	SLE-QP	-0.0907	3.7351	-4.59	9.14
1473	Shell-Thick	SLE-QP	-0.5213	2.3525	-4.91	9.14
1474	Shell-Thick	SLU-STATICA	-1.7402	6.6638	-8.75	21.29
1474	Shell-Thick	SLU-STATICA	-0.6322	9.8381	-8.06	21.29
1474	Shell-Thick	SLU-STATICA	0.6587	10.2209	-8.06	20.60
1474	Shell-Thick	SLU-STATICA	-0.5079	7.1058	-8.75	20.60
1474	Shell-Thick	SLU-SISMICA	-2.0484	12.8149	-10.40	35.74
1474	Shell-Thick	SLU-SISMICA	-0.1661	18.1311	-9.35	35.74
1474	Shell-Thick	SLU-SISMICA	1.3449	18.5207	-9.35	34.70
1474	Shell-Thick	SLU-SISMICA	-0.5947	13.2625	-10.40	34.70
1474	Shell-Thick	SLE-RARA	-1.3033	4.7430	-6.55	15.42
1474	Shell-Thick	SLE-RARA	-0.5023	7.0415	-6.04	15.42
1474	Shell-Thick	SLE-RARA	0.4649	7.3313	-6.04	14.91
1474	Shell-Thick	SLE-RARA	-0.3806	5.0776	-6.55	14.91
1474	Shell-Thick	SLE-FREQ.	-1.2458	4.1205	-6.25	13.85
1474	Shell-Thick	SLE-FREQ.	-0.5282	6.1864	-5.78	13.85
1474	Shell-Thick	SLE-FREQ.	0.3971	6.4684	-5.78	13.38
1474	Shell-Thick	SLE-FREQ.	-0.3640	4.4465	-6.25	13.38
1474	Shell-Thick	SLE-QP	-1.0734	2.2532	-5.36	9.15
1474	Shell-Thick	SLE-QP	-0.6060	3.6209	-5.02	9.15
1474	Shell-Thick	SLE-QP	0.1935	3.8799	-5.02	8.80
1474	Shell-Thick	SLE-QP	-0.3145	2.5530	-5.36	8.80
1475	Shell-Thick	SLU-STATICA	-1.4764	6.9229	-9.53	20.61
1475	Shell-Thick	SLU-STATICA	-0.5668	9.9650	-8.78	20.61
1475	Shell-Thick	SLU-STATICA	0.8119	10.1816	-8.78	19.86
1475	Shell-Thick	SLU-STATICA	-0.1061	7.1485	-9.53	19.86
1475	Shell-Thick	SLU-SISMICA	-1.7187	13.0715	-11.43	34.73
1475	Shell-Thick	SLU-SISMICA	-0.1557	18.1868	-10.26	34.73
1475	Shell-Thick	SLU-SISMICA	1.4609	18.2810	-10.26	33.56
1475	Shell-Thick	SLU-SISMICA	-0.0790	13.1433	-11.43	33.56
1475	Shell-Thick	SLE-RARA	-1.1066	4.9394	-7.13	14.91
1475	Shell-Thick	SLE-RARA	-0.4500	7.1412	-6.58	14.91
1475	Shell-Thick	SLE-RARA	0.5829	7.3114	-6.58	14.36
1475	Shell-Thick	SLE-RARA	-0.0817	5.1180	-7.13	14.36
1475	Shell-Thick	SLE-FREQ.	-1.0594	4.3124	-6.80	13.39
1475	Shell-Thick	SLE-FREQ.	-0.4727	6.2895	-6.29	13.39
1475	Shell-Thick	SLE-FREQ.	0.5152	6.4655	-6.29	12.88
1475	Shell-Thick	SLE-FREQ.	-0.0820	4.4991	-6.80	12.88
1475	Shell-Thick	SLE-QP	-0.9178	2.4311	-5.80	8.80
1475	Shell-Thick	SLE-QP	-0.5408	3.7342	-5.44	8.80
1475	Shell-Thick	SLE-QP	0.3120	3.9278	-5.44	8.44
1475	Shell-Thick	SLE-QP	-0.0826	2.6426	-5.80	8.44
1476	Shell-Thick	SLU-STATICA	-1.3708	6.9490	-10.27	19.92
1476	Shell-Thick	SLU-STATICA	-0.3121	9.9033	-9.45	19.92
1476	Shell-Thick	SLU-STATICA	1.1940	10.3550	-9.45	19.10
1476	Shell-Thick	SLU-STATICA	0.0843	7.4523	-10.27	19.10
1476	Shell-Thick	SLU-SISMICA	-1.6741	12.9296	-12.50	33.68
1476	Shell-Thick	SLU-SISMICA	0.1436	17.9123	-11.19	33.68
1476	Shell-Thick	SLU-SISMICA	1.9452	18.3759	-11.19	32.38
1476	Shell-Thick	SLU-SISMICA	0.0804	13.4413	-12.50	32.38
1476	Shell-Thick	SLE-RARA	-1.0236	4.9676	-7.67	14.41
1476	Shell-Thick	SLE-RARA	-0.2592	7.1051	-7.08	14.41
1476	Shell-Thick	SLE-RARA	0.8673	7.4468	-7.08	13.81
1476	Shell-Thick	SLE-RARA	0.0641	5.3485	-7.67	13.81
1476	Shell-Thick	SLE-FREQ.	-0.9735	4.3536	-7.30	12.92
1476	Shell-Thick	SLE-FREQ.	-0.2903	6.2717	-6.76	12.92

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1476	Shell-Thick	SLE-FREQ.	0.7842	6.6040	-6.76	12.38
1476	Shell-Thick	SLE-FREQ.	0.0628	4.7245	-7.30	12.38
1476	Shell-Thick	SLE-QP	-0.8230	2.5117	-6.18	8.46
1476	Shell-Thick	SLE-QP	-0.3835	3.7716	-5.81	8.46
1476	Shell-Thick	SLE-QP	0.5348	4.0757	-5.81	8.08
1476	Shell-Thick	SLE-QP	0.0590	2.8523	-6.18	8.08
1477	Shell-Thick	SLU-STATICA	-1.0160	7.2561	-10.87	19.12
1477	Shell-Thick	SLU-STATICA	-0.1836	10.0558	-9.99	19.12
1477	Shell-Thick	SLU-STATICA	1.3772	10.2303	-9.99	18.24
1477	Shell-Thick	SLU-STATICA	0.5545	7.4215	-10.87	18.24
1477	Shell-Thick	SLU-SISMICA	-1.2309	13.2364	-13.42	32.44
1477	Shell-Thick	SLU-SISMICA	0.2207	17.9737	-11.97	32.44
1477	Shell-Thick	SLU-SISMICA	2.1023	17.9734	-11.97	30.99
1477	Shell-Thick	SLU-SISMICA	0.7004	13.1874	-13.42	30.99
1477	Shell-Thick	SLE-RARA	-0.7592	5.2002	-8.11	13.83
1477	Shell-Thick	SLE-RARA	-0.1593	7.2251	-7.47	13.83
1477	Shell-Thick	SLE-RARA	1.0074	7.3661	-7.47	13.18
1477	Shell-Thick	SLE-RARA	0.4129	5.3363	-8.11	13.18
1477	Shell-Thick	SLE-FREQ.	-0.7228	4.5805	-7.70	12.39
1477	Shell-Thick	SLE-FREQ.	-0.1886	6.3963	-7.12	12.39
1477	Shell-Thick	SLE-FREQ.	0.9230	6.5481	-7.12	11.81
1477	Shell-Thick	SLE-FREQ.	0.3907	4.7308	-7.70	11.81
1477	Shell-Thick	SLE-QP	-0.6137	2.7215	-6.47	8.08
1477	Shell-Thick	SLE-QP	-0.2765	3.9097	-6.08	8.08
1477	Shell-Thick	SLE-QP	0.6697	4.0943	-6.08	7.69
1477	Shell-Thick	SLE-QP	0.3242	2.9146	-6.47	7.69
1478	Shell-Thick	SLU-STATICA	-0.8587	7.2133	-11.47	18.32
1478	Shell-Thick	SLU-STATICA	0.1465	9.9098	-10.50	18.32
1478	Shell-Thick	SLU-STATICA	1.8140	10.3985	-10.50	17.35
1478	Shell-Thick	SLU-STATICA	0.7716	7.7400	-11.47	17.35
1478	Shell-Thick	SLU-SISMICA	-1.1146	12.9655	-14.42	31.16
1478	Shell-Thick	SLU-SISMICA	0.6232	17.5365	-12.80	31.16
1478	Shell-Thick	SLU-SISMICA	2.6809	18.0478	-12.80	29.54
1478	Shell-Thick	SLU-SISMICA	0.9145	13.5067	-14.42	29.54
1478	Shell-Thick	SLE-RARA	-0.6379	5.1792	-8.54	13.24
1478	Shell-Thick	SLE-RARA	0.0873	7.1290	-7.84	13.24
1478	Shell-Thick	SLE-RARA	1.3313	7.4983	-7.84	12.54
1478	Shell-Thick	SLE-RARA	0.5775	5.5775	-8.54	12.54
1478	Shell-Thick	SLE-FREQ.	-0.6011	4.5787	-8.09	11.86
1478	Shell-Thick	SLE-FREQ.	0.0460	6.3265	-7.46	11.86
1478	Shell-Thick	SLE-FREQ.	1.2272	6.6847	-7.46	11.23
1478	Shell-Thick	SLE-FREQ.	0.5515	4.9661	-8.09	11.23
1478	Shell-Thick	SLE-QP	-0.4909	2.7774	-6.73	7.72
1478	Shell-Thick	SLE-QP	-0.0780	3.9188	-6.31	7.72
1478	Shell-Thick	SLE-QP	0.9150	4.2442	-6.31	7.30
1478	Shell-Thick	SLE-QP	0.4736	3.1318	-6.73	7.30
1479	Shell-Thick	SLU-STATICA	-0.4232	7.5452	-11.90	17.40
1479	Shell-Thick	SLU-STATICA	0.3517	10.0619	-10.86	17.40
1479	Shell-Thick	SLU-STATICA	2.0425	10.0980	-10.86	16.35
1479	Shell-Thick	SLU-STATICA	1.3025	7.5471	-11.90	16.35
1479	Shell-Thick	SLU-SISMICA	-0.5403	13.3082	-15.22	29.65
1479	Shell-Thick	SLU-SISMICA	0.8215	17.5836	-13.44	29.65
1479	Shell-Thick	SLU-SISMICA	2.9297	17.3588	-13.44	27.87
1479	Shell-Thick	SLU-SISMICA	1.6540	12.9986	-15.22	27.87
1479	Shell-Thick	SLE-RARA	-0.3149	5.4301	-8.85	12.58
1479	Shell-Thick	SLE-RARA	0.2431	7.2495	-8.10	12.58
1479	Shell-Thick	SLE-RARA	1.5034	7.2899	-8.10	11.82
1479	Shell-Thick	SLE-RARA	0.9694	5.4471	-8.85	11.82
1479	Shell-Thick	SLE-FREQ.	-0.2975	4.8227	-8.36	11.26
1479	Shell-Thick	SLE-FREQ.	0.1985	6.4526	-7.68	11.26
1479	Shell-Thick	SLE-FREQ.	1.3935	6.5134	-7.68	10.58
1479	Shell-Thick	SLE-FREQ.	0.9166	4.8648	-8.36	10.58
1479	Shell-Thick	SLE-QP	-0.2453	3.0002	-6.89	7.31
1479	Shell-Thick	SLE-QP	0.0647	4.0620	-6.45	7.31
1479	Shell-Thick	SLE-QP	1.0635	4.1841	-6.45	6.87
1479	Shell-Thick	SLE-QP	0.7582	3.1178	-6.89	6.87
1480	Shell-Thick	SLU-STATICA	-0.1909	7.3470	-12.38	16.47
1480	Shell-Thick	SLU-STATICA	0.7494	9.7408	-11.21	16.47
1480	Shell-Thick	SLU-STATICA	2.5287	10.2076	-11.21	15.31

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1480	Shell-Thick	SLU-STATICA	1.5717	7.8313	-12.38	15.31
1480	Shell-Thick	SLU-SISMICA	-0.2876	12.7915	-16.14	28.09
1480	Shell-Thick	SLU-SISMICA	1.3379	16.8593	-14.14	28.09
1480	Shell-Thick	SLU-SISMICA	3.6113	17.3490	-14.14	26.09
1480	Shell-Thick	SLU-SISMICA	1.9850	13.2835	-16.14	26.09
1480	Shell-Thick	SLE-RARA	-0.1399	5.2958	-9.19	11.90
1480	Shell-Thick	SLE-RARA	0.5385	7.0263	-8.35	11.90
1480	Shell-Thick	SLE-RARA	1.8622	7.3789	-8.35	11.06
1480	Shell-Thick	SLE-RARA	1.1704	5.6624	-9.19	11.06
1480	Shell-Thick	SLE-FREQ.	-0.1285	4.7178	-8.66	10.65
1480	Shell-Thick	SLE-FREQ.	0.4769	6.2681	-7.91	10.65
1480	Shell-Thick	SLE-FREQ.	1.7273	6.6100	-7.91	9.90
1480	Shell-Thick	SLE-FREQ.	1.1076	5.0748	-8.66	9.90
1480	Shell-Thick	SLE-QP	-0.0943	2.9838	-7.05	6.91
1480	Shell-Thick	SLE-QP	0.2919	3.9933	-6.57	6.91
1480	Shell-Thick	SLE-QP	1.3226	4.3036	-6.57	6.42
1480	Shell-Thick	SLE-QP	0.9191	3.3117	-7.05	6.42
1481	Shell-Thick	SLU-STATICA	0.3154	7.6589	-12.65	15.40
1481	Shell-Thick	SLU-STATICA	1.0981	9.8426	-11.38	15.40
1481	Shell-Thick	SLU-STATICA	2.8692	9.5645	-11.38	14.13
1481	Shell-Thick	SLU-STATICA	2.1529	7.3153	-12.65	14.13
1481	Shell-Thick	SLU-SISMICA	0.4210	13.1199	-16.77	26.27
1481	Shell-Thick	SLU-SISMICA	1.7843	16.8343	-14.58	26.27
1481	Shell-Thick	SLU-SISMICA	4.0720	16.1277	-14.58	24.08
1481	Shell-Thick	SLU-SISMICA	2.8396	12.2840	-16.77	24.08
1481	Shell-Thick	SLE-RARA	0.2337	5.5314	-9.38	11.13
1481	Shell-Thick	SLE-RARA	0.7979	7.1098	-8.47	11.13
1481	Shell-Thick	SLE-RARA	2.1141	6.9204	-8.47	10.21
1481	Shell-Thick	SLE-RARA	1.5971	5.2955	-9.38	10.21
1481	Shell-Thick	SLE-FREQ.	0.2193	4.9462	-8.81	9.96
1481	Shell-Thick	SLE-FREQ.	0.7218	6.3599	-8.00	9.96
1481	Shell-Thick	SLE-FREQ.	1.9632	6.2103	-8.00	9.14
1481	Shell-Thick	SLE-FREQ.	1.5013	4.7566	-8.81	9.14
1481	Shell-Thick	SLE-QP	0.1759	3.1907	-7.10	6.46
1481	Shell-Thick	SLE-QP	0.4936	4.1102	-6.58	6.46
1481	Shell-Thick	SLE-QP	1.5102	4.0803	-6.58	5.93
1481	Shell-Thick	SLE-QP	1.2138	3.1399	-7.10	5.93
1482	Shell-Thick	SLU-STATICA	0.7231	7.1541	-13.06	14.28
1482	Shell-Thick	SLU-STATICA	1.5628	9.1784	-11.56	14.28
1482	Shell-Thick	SLU-STATICA	3.4043	9.3998	-11.56	12.77
1482	Shell-Thick	SLU-STATICA	2.5775	7.3638	-13.06	12.77
1482	Shell-Thick	SLU-SISMICA	0.9894	12.1357	-17.64	24.34
1482	Shell-Thick	SLU-SISMICA	2.4261	15.5767	-15.06	24.34
1482	Shell-Thick	SLU-SISMICA	4.8605	15.7100	-15.06	21.76
1482	Shell-Thick	SLU-SISMICA	3.4642	12.2305	-17.64	21.76
1482	Shell-Thick	SLE-RARA	0.5346	5.1728	-9.67	10.32
1482	Shell-Thick	SLE-RARA	1.1412	6.6360	-8.58	10.32
1482	Shell-Thick	SLE-RARA	2.5070	6.8082	-8.58	9.23
1482	Shell-Thick	SLE-RARA	1.9089	5.3373	-9.67	9.23
1482	Shell-Thick	SLE-FREQ.	0.4996	4.6358	-9.06	9.24
1482	Shell-Thick	SLE-FREQ.	1.0421	5.9466	-8.08	9.24
1482	Shell-Thick	SLE-FREQ.	2.3255	6.1217	-8.08	8.26
1482	Shell-Thick	SLE-FREQ.	1.7890	4.8058	-9.06	8.26
1482	Shell-Thick	SLE-QP	0.3944	3.0250	-7.21	5.99
1482	Shell-Thick	SLE-QP	0.7448	3.8782	-6.58	5.99
1482	Shell-Thick	SLE-QP	1.7811	4.0624	-6.58	5.36
1482	Shell-Thick	SLE-QP	1.4292	3.2111	-7.21	5.36
1483	Shell-Thick	SLU-STATICA	1.4084	7.2678	-13.27	12.93
1483	Shell-Thick	SLU-STATICA	2.1786	9.0168	-11.40	12.93
1483	Shell-Thick	SLU-STATICA	3.9779	7.7002	-11.40	11.06
1483	Shell-Thick	SLU-STATICA	3.3124	5.8480	-13.27	11.06
1483	Shell-Thick	SLU-SISMICA	2.0083	12.1797	-18.15	22.04
1483	Shell-Thick	SLU-SISMICA	3.3341	15.1643	-15.05	22.04
1483	Shell-Thick	SLU-SISMICA	5.7336	12.8501	-15.05	18.94
1483	Shell-Thick	SLU-SISMICA	4.5929	9.6828	-18.15	18.94
1483	Shell-Thick	SLE-RARA	1.0373	5.2624	-9.81	9.35
1483	Shell-Thick	SLE-RARA	1.5933	6.5261	-8.45	9.35
1483	Shell-Thick	SLE-RARA	2.9267	5.5782	-8.45	7.99
1483	Shell-Thick	SLE-RARA	2.4461	4.2402	-9.81	7.99



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1483	Shell-Thick	SLE-FREQ.	0.9625	4.7289	-9.17	8.37
1483	Shell-Thick	SLE-FREQ.	1.4590	5.8599	-7.94	8.37
1483	Shell-Thick	SLE-FREQ.	2.7102	5.0174	-7.94	7.14
1483	Shell-Thick	SLE-FREQ.	2.2806	3.8205	-9.17	7.14
1483	Shell-Thick	SLE-QP	0.7379	3.1287	-7.24	5.43
1483	Shell-Thick	SLE-QP	1.0563	3.8616	-6.42	5.43
1483	Shell-Thick	SLE-QP	2.0609	3.3351	-6.42	4.61
1483	Shell-Thick	SLE-QP	1.7839	2.5614	-7.24	4.61
1484	Shell-Thick	SLU-STATICA	2.8588	5.8070	-13.45	11.12
1484	Shell-Thick	SLU-STATICA	2.2203	7.2989	-11.02	11.12
1484	Shell-Thick	SLU-STATICA	3.7657	6.8727	-11.02	9.03
1484	Shell-Thick	SLU-STATICA	4.4710	5.3399	-13.45	9.03
1484	Shell-Thick	SLU-SISMICA	4.2500	9.7040	-18.60	19.05
1484	Shell-Thick	SLU-SISMICA	3.3154	12.2767	-14.74	19.05
1484	Shell-Thick	SLU-SISMICA	5.4054	11.4535	-14.74	15.73
1484	Shell-Thick	SLU-SISMICA	6.4621	8.8055	-18.60	15.73
1484	Shell-Thick	SLE-RARA	2.0969	4.2061	-9.94	8.03
1484	Shell-Thick	SLE-RARA	1.6278	5.2827	-8.17	8.03
1484	Shell-Thick	SLE-RARA	2.7718	4.9795	-8.17	6.51
1484	Shell-Thick	SLE-RARA	3.2886	3.8736	-9.94	6.51
1484	Shell-Thick	SLE-FREQ.	1.9309	3.7821	-9.27	7.18
1484	Shell-Thick	SLE-FREQ.	1.4977	4.7433	-7.66	7.18
1484	Shell-Thick	SLE-FREQ.	2.5687	4.4803	-7.66	5.80
1484	Shell-Thick	SLE-FREQ.	3.0439	3.4933	-9.27	5.80
1484	Shell-Thick	SLE-QP	1.4328	2.5102	-7.26	4.63
1484	Shell-Thick	SLE-QP	1.1073	3.1253	-6.14	4.63
1484	Shell-Thick	SLE-QP	1.9594	2.9826	-6.14	3.67
1484	Shell-Thick	SLE-QP	2.3098	2.3523	-7.26	3.67
1485	Shell-Thick	SLU-STATICA	2.3004	5.1989	-12.33	9.38
1485	Shell-Thick	SLU-STATICA	2.5595	6.3384	-9.94	9.38
1485	Shell-Thick	SLU-STATICA	4.4227	5.3540	-9.94	6.64
1485	Shell-Thick	SLU-STATICA	4.2508	4.0876	-12.33	6.64
1485	Shell-Thick	SLU-SISMICA	3.4008	8.6633	-17.10	16.29
1485	Shell-Thick	SLU-SISMICA	3.9110	10.6846	-13.41	16.29
1485	Shell-Thick	SLU-SISMICA	6.4491	8.9321	-13.41	12.07
1485	Shell-Thick	SLU-SISMICA	6.0867	6.6953	-17.10	12.07
1485	Shell-Thick	SLE-RARA	1.6883	3.7668	-9.11	6.76
1485	Shell-Thick	SLE-RARA	1.8721	4.5863	-7.36	6.76
1485	Shell-Thick	SLE-RARA	3.2503	3.8787	-7.36	4.76
1485	Shell-Thick	SLE-RARA	3.1295	2.9674	-9.11	4.76
1485	Shell-Thick	SLE-FREQ.	1.5562	3.3892	-8.49	6.03
1485	Shell-Thick	SLE-FREQ.	1.7149	4.1160	-6.89	6.03
1485	Shell-Thick	SLE-FREQ.	3.0036	3.4890	-6.89	4.20
1485	Shell-Thick	SLE-FREQ.	2.9015	2.6799	-8.49	4.20
1485	Shell-Thick	SLE-QP	1.1601	2.2564	-6.64	3.82
1485	Shell-Thick	SLE-QP	1.2432	2.7053	-5.49	3.82
1485	Shell-Thick	SLE-QP	2.2636	2.3199	-5.49	2.51
1485	Shell-Thick	SLE-QP	2.2174	1.8175	-6.64	2.51
1486	Shell-Thick	SLU-STATICA	3.3152	3.9884	-9.89	6.75
1486	Shell-Thick	SLU-STATICA	2.4095	4.8634	-8.55	6.75
1486	Shell-Thick	SLU-STATICA	3.7542	3.8678	-8.55	5.42
1486	Shell-Thick	SLU-STATICA	4.7383	2.9154	-9.89	5.42
1486	Shell-Thick	SLU-SISMICA	5.0444	6.6192	-13.58	12.23
1486	Shell-Thick	SLU-SISMICA	3.6559	8.2411	-11.59	12.23
1486	Shell-Thick	SLU-SISMICA	5.4785	6.5273	-11.59	10.24
1486	Shell-Thick	SLU-SISMICA	6.9993	4.7747	-13.58	10.24
1486	Shell-Thick	SLE-RARA	2.4259	2.8911	-7.31	4.84
1486	Shell-Thick	SLE-RARA	1.7637	3.5169	-6.33	4.84
1486	Shell-Thick	SLE-RARA	2.7587	2.7983	-6.33	3.87
1486	Shell-Thick	SLE-RARA	3.4777	2.1164	-7.31	3.87
1486	Shell-Thick	SLE-FREQ.	2.2239	2.6036	-6.82	4.27
1486	Shell-Thick	SLE-FREQ.	1.6177	3.1526	-5.92	4.27
1486	Shell-Thick	SLE-FREQ.	2.5490	2.5107	-5.92	3.37
1486	Shell-Thick	SLE-FREQ.	3.2062	1.9115	-6.82	3.37
1486	Shell-Thick	SLE-QP	1.6182	1.7412	-5.37	2.57
1486	Shell-Thick	SLE-QP	1.1800	2.0597	-4.71	2.57
1486	Shell-Thick	SLE-QP	1.9198	1.6480	-4.71	1.90
1486	Shell-Thick	SLE-QP	2.3915	1.2965	-5.37	1.90
1487	Shell-Thick	SLU-STATICA	3.3707	2.7827	-7.96	5.59



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1487	Shell-Thick	SLU-STATICA	2.7391	3.5239	-7.17	5.59
1487	Shell-Thick	SLU-STATICA	3.8360	3.3825	-7.17	4.80
1487	Shell-Thick	SLU-STATICA	4.5453	2.5643	-7.96	4.80
1487	Shell-Thick	SLU-SISMICA	5.1599	4.6286	-10.88	10.51
1487	Shell-Thick	SLU-SISMICA	4.2243	6.0548	-9.72	10.51
1487	Shell-Thick	SLU-SISMICA	5.7055	5.7476	-9.72	9.35
1487	Shell-Thick	SLU-SISMICA	6.7708	4.1926	-10.88	9.35
1487	Shell-Thick	SLE-RARA	2.4650	2.0166	-5.89	3.99
1487	Shell-Thick	SLE-RARA	2.0015	2.5441	-5.31	3.99
1487	Shell-Thick	SLE-RARA	2.8135	2.4452	-5.31	3.41
1487	Shell-Thick	SLE-RARA	3.3333	1.8619	-5.89	3.41
1487	Shell-Thick	SLE-FREQ.	2.2572	1.8152	-5.50	3.49
1487	Shell-Thick	SLE-FREQ.	1.8301	2.2734	-4.97	3.49
1487	Shell-Thick	SLE-FREQ.	2.5905	2.1906	-4.97	2.95
1487	Shell-Thick	SLE-FREQ.	3.0682	1.6822	-5.50	2.95
1487	Shell-Thick	SLE-QP	1.6337	1.2109	-4.34	1.98
1487	Shell-Thick	SLE-QP	1.3158	1.4613	-3.95	1.98
1487	Shell-Thick	SLE-QP	1.9215	1.4266	-3.95	1.58
1487	Shell-Thick	SLE-QP	2.2730	1.1430	-4.34	1.58
1488	Shell-Thick	SLU-STATICA	3.3688	2.4072	-6.47	4.90
1488	Shell-Thick	SLU-STATICA	2.6736	3.0718	-5.93	4.90
1488	Shell-Thick	SLU-STATICA	3.5740	2.8183	-5.93	4.35
1488	Shell-Thick	SLU-STATICA	4.3291	2.0942	-6.47	4.35
1488	Shell-Thick	SLU-SISMICA	5.1870	3.9978	-8.81	9.50
1488	Shell-Thick	SLU-SISMICA	4.1499	5.3146	-8.02	9.50
1488	Shell-Thick	SLU-SISMICA	5.3628	4.8406	-8.02	8.71
1488	Shell-Thick	SLU-SISMICA	6.4998	3.4244	-8.81	8.71
1488	Shell-Thick	SLE-RARA	2.4621	1.7448	-4.78	3.48
1488	Shell-Thick	SLE-RARA	1.9524	2.2159	-4.39	3.48
1488	Shell-Thick	SLE-RARA	2.6190	2.0348	-4.39	3.08
1488	Shell-Thick	SLE-RARA	3.1722	1.5206	-4.78	3.08
1488	Shell-Thick	SLE-FREQ.	2.2519	1.5711	-4.47	3.02
1488	Shell-Thick	SLE-FREQ.	1.7829	1.9769	-4.11	3.02
1488	Shell-Thick	SLE-FREQ.	2.4075	1.8184	-4.11	2.65
1488	Shell-Thick	SLE-FREQ.	2.9156	1.3738	-4.47	2.65
1488	Shell-Thick	SLE-QP	1.6215	1.0499	-3.54	1.63
1488	Shell-Thick	SLE-QP	1.2745	1.2601	-3.27	1.63
1488	Shell-Thick	SLE-QP	1.7727	1.1693	-3.27	1.35
1488	Shell-Thick	SLE-QP	2.1457	0.9334	-3.54	1.35
1489	Shell-Thick	SLU-STATICA	3.1806	1.9454	-5.33	4.45
1489	Shell-Thick	SLU-STATICA	2.6591	2.5545	-4.91	4.45
1489	Shell-Thick	SLU-STATICA	3.3995	2.5664	-4.91	4.04
1489	Shell-Thick	SLU-STATICA	3.9777	1.9009	-5.33	4.04
1489	Shell-Thick	SLU-SISMICA	4.9121	3.2339	-7.24	8.86
1489	Shell-Thick	SLU-SISMICA	4.1596	4.4729	-6.65	8.86
1489	Shell-Thick	SLU-SISMICA	5.1552	4.4445	-6.65	8.27
1489	Shell-Thick	SLU-SISMICA	6.0017	3.1119	-7.24	8.27
1489	Shell-Thick	SLE-RARA	2.3238	1.4099	-3.94	3.15
1489	Shell-Thick	SLE-RARA	1.9401	1.8400	-3.64	3.15
1489	Shell-Thick	SLE-RARA	2.4884	1.8511	-3.64	2.85
1489	Shell-Thick	SLE-RARA	2.9132	1.3801	-3.94	2.85
1489	Shell-Thick	SLE-FREQ.	2.1242	1.2692	-3.69	2.71
1489	Shell-Thick	SLE-FREQ.	1.7690	1.6370	-3.41	2.71
1489	Shell-Thick	SLE-FREQ.	2.2828	1.6511	-3.41	2.43
1489	Shell-Thick	SLE-FREQ.	2.6750	1.2465	-3.69	2.43
1489	Shell-Thick	SLE-QP	1.5254	0.8473	-2.92	1.39
1489	Shell-Thick	SLE-QP	1.2555	1.0279	-2.71	1.39
1489	Shell-Thick	SLE-QP	1.6659	1.0511	-2.71	1.18
1489	Shell-Thick	SLE-QP	1.9605	0.8459	-2.92	1.18
1490	Shell-Thick	SLU-STATICA	3.0036	1.7598	-4.37	4.10
1490	Shell-Thick	SLU-STATICA	2.4854	2.3298	-4.05	4.10
1490	Shell-Thick	SLU-STATICA	3.0952	2.2294	-4.05	3.79
1490	Shell-Thick	SLU-STATICA	3.6584	1.6148	-4.37	3.79
1490	Shell-Thick	SLU-SISMICA	4.6559	2.9262	-5.93	8.37
1490	Shell-Thick	SLU-SISMICA	3.9087	4.1117	-5.48	8.37
1490	Shell-Thick	SLU-SISMICA	4.7276	3.9104	-5.48	7.92
1490	Shell-Thick	SLU-SISMICA	5.5492	2.6508	-5.93	7.92
1490	Shell-Thick	SLE-RARA	2.1937	1.2754	-3.23	2.90
1490	Shell-Thick	SLE-RARA	1.8123	1.6766	-3.00	2.90

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1490	Shell-Thick	SLE-RARA	2.2640	1.6056	-3.00	2.66
1490	Shell-Thick	SLE-RARA	2.6779	1.1720	-3.23	2.66
1490	Shell-Thick	SLE-FREQ.	2.0038	1.1481	-3.03	2.48
1490	Shell-Thick	SLE-FREQ.	1.6507	1.4888	-2.81	2.48
1490	Shell-Thick	SLE-FREQ.	2.0740	1.4278	-2.81	2.26
1490	Shell-Thick	SLE-FREQ.	2.4565	1.0579	-3.03	2.26
1490	Shell-Thick	SLE-QP	1.4342	0.7662	-2.40	1.21
1490	Shell-Thick	SLE-QP	1.1657	0.9255	-2.24	1.21
1490	Shell-Thick	SLE-QP	1.5041	0.8946	-2.24	1.04
1490	Shell-Thick	SLE-QP	1.7922	0.7158	-2.40	1.04
1491	Shell-Thick	SLU-STATICA	2.7520	1.4870	-3.61	3.85
1491	Shell-Thick	SLU-STATICA	2.3423	2.0254	-3.36	3.85
1491	Shell-Thick	SLU-STATICA	2.8447	2.0552	-3.36	3.59
1491	Shell-Thick	SLU-STATICA	3.2957	1.4757	-3.61	3.59
1491	Shell-Thick	SLU-SISMICA	4.2765	2.4798	-4.90	8.02
1491	Shell-Thick	SLU-SISMICA	3.7048	3.6223	-4.53	8.02
1491	Shell-Thick	SLU-SISMICA	4.3787	3.6420	-4.53	7.65
1491	Shell-Thick	SLU-SISMICA	5.0188	2.4315	-4.90	7.65
1491	Shell-Thick	SLE-RARA	2.0093	1.0773	-2.67	2.71
1491	Shell-Thick	SLE-RARA	1.7070	1.4551	-2.48	2.71
1491	Shell-Thick	SLE-RARA	2.0791	1.4782	-2.48	2.52
1491	Shell-Thick	SLE-RARA	2.4114	1.0705	-2.67	2.52
1491	Shell-Thick	SLE-FREQ.	1.8345	0.9692	-2.50	2.30
1491	Shell-Thick	SLE-FREQ.	1.5530	1.2880	-2.33	2.30
1491	Shell-Thick	SLE-FREQ.	1.9018	1.3113	-2.33	2.13
1491	Shell-Thick	SLE-FREQ.	2.2104	0.9656	-2.50	2.13
1491	Shell-Thick	SLE-QP	1.3100	0.6447	-1.99	1.07
1491	Shell-Thick	SLE-QP	1.0908	0.7867	-1.85	1.07
1491	Shell-Thick	SLE-QP	1.3698	0.8108	-1.85	0.94
1491	Shell-Thick	SLE-QP	1.6072	0.6507	-1.99	0.94
1492	Shell-Thick	SLU-STATICA	2.5176	1.3589	-2.97	3.64
1492	Shell-Thick	SLU-STATICA	2.1315	1.8737	-2.76	3.64
1492	Shell-Thick	SLU-STATICA	2.5448	1.8214	-2.76	3.44
1492	Shell-Thick	SLU-STATICA	2.9640	1.2738	-2.97	3.44
1492	Shell-Thick	SLU-SISMICA	3.9222	2.2723	-4.02	7.73
1492	Shell-Thick	SLU-SISMICA	3.3872	3.3836	-3.73	7.73
1492	Shell-Thick	SLU-SISMICA	3.9413	3.2753	-3.73	7.44
1492	Shell-Thick	SLU-SISMICA	4.5307	2.1098	-4.02	7.44
1492	Shell-Thick	SLE-RARA	1.8377	0.9842	-2.20	2.56
1492	Shell-Thick	SLE-RARA	1.5525	1.3445	-2.04	2.56
1492	Shell-Thick	SLE-RARA	1.8587	1.3077	-2.04	2.40
1492	Shell-Thick	SLE-RARA	2.1679	0.9235	-2.20	2.40
1492	Shell-Thick	SLE-FREQ.	1.6770	0.8848	-2.06	2.16
1492	Shell-Thick	SLE-FREQ.	1.4111	1.1873	-1.91	2.16
1492	Shell-Thick	SLE-FREQ.	1.6981	1.1560	-1.91	2.02
1492	Shell-Thick	SLE-FREQ.	1.9857	0.8321	-2.06	2.02
1492	Shell-Thick	SLE-QP	1.1948	0.5868	-1.63	0.96
1492	Shell-Thick	SLE-QP	0.9866	0.7156	-1.52	0.96
1492	Shell-Thick	SLE-QP	1.2164	0.7009	-1.52	0.85
1492	Shell-Thick	SLE-QP	1.4390	0.5576	-1.63	0.85
1493	Shell-Thick	SLU-STATICA	2.2557	1.1693	-2.45	3.48
1493	Shell-Thick	SLU-STATICA	1.9443	1.6642	-2.28	3.48
1493	Shell-Thick	SLU-STATICA	2.2837	1.6895	-2.28	3.31
1493	Shell-Thick	SLU-STATICA	2.6250	1.1650	-2.45	3.31
1493	Shell-Thick	SLU-SISMICA	3.5195	1.9654	-3.31	7.51
1493	Shell-Thick	SLU-SISMICA	3.1034	3.0499	-3.07	7.51
1493	Shell-Thick	SLU-SISMICA	3.5581	3.0744	-3.07	7.27
1493	Shell-Thick	SLU-SISMICA	4.0232	1.9410	-3.31	7.27
1493	Shell-Thick	SLE-RARA	1.6463	0.8464	-1.81	2.44
1493	Shell-Thick	SLE-RARA	1.4155	1.1920	-1.68	2.44
1493	Shell-Thick	SLE-RARA	1.6670	1.2112	-1.68	2.31
1493	Shell-Thick	SLE-RARA	1.9194	0.8441	-1.81	2.31
1493	Shell-Thick	SLE-FREQ.	1.5018	0.7601	-1.69	2.05
1493	Shell-Thick	SLE-FREQ.	1.2853	1.0487	-1.58	2.05
1493	Shell-Thick	SLE-FREQ.	1.5211	1.0675	-1.58	1.93
1493	Shell-Thick	SLE-FREQ.	1.7572	0.7595	-1.69	1.93
1493	Shell-Thick	SLE-QP	1.0685	0.5012	-1.35	0.87
1493	Shell-Thick	SLE-QP	0.8948	0.6189	-1.26	0.87
1493	Shell-Thick	SLE-QP	1.0837	0.6365	-1.26	0.78

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1493	Shell-Thick	SLE-QP	1.2705	0.5057	-1.35	0.78
1494	Shell-Thick	SLU-STATICA	2.0108	1.0704	-2.00	3.34
1494	Shell-Thick	SLU-STATICA	1.7290	1.5503	-1.86	3.34
1494	Shell-Thick	SLU-STATICA	2.0068	1.5173	-1.86	3.20
1494	Shell-Thick	SLU-STATICA	2.3122	1.0140	-2.00	3.20
1494	Shell-Thick	SLU-SISMICA	3.1398	1.8081	-2.70	7.32
1494	Shell-Thick	SLU-SISMICA	2.7702	2.8731	-2.51	7.32
1494	Shell-Thick	SLU-SISMICA	3.1419	2.8052	-2.51	7.12
1494	Shell-Thick	SLU-SISMICA	3.5501	1.7016	-2.70	7.12
1494	Shell-Thick	SLE-RARA	1.4674	0.7743	-1.48	2.34
1494	Shell-Thick	SLE-RARA	1.2582	1.1088	-1.38	2.34
1494	Shell-Thick	SLE-RARA	1.4641	1.0856	-1.38	2.23
1494	Shell-Thick	SLE-RARA	1.6904	0.7341	-1.48	2.23
1494	Shell-Thick	SLE-FREQ.	1.3385	0.6946	-1.39	1.95
1494	Shell-Thick	SLE-FREQ.	1.1416	0.9728	-1.29	1.95
1494	Shell-Thick	SLE-FREQ.	1.3347	0.9530	-1.29	1.86
1494	Shell-Thick	SLE-FREQ.	1.5469	0.6595	-1.39	1.86
1494	Shell-Thick	SLE-QP	0.9516	0.4555	-1.10	0.80
1494	Shell-Thick	SLE-QP	0.7919	0.5646	-1.03	0.80
1494	Shell-Thick	SLE-QP	0.9465	0.5552	-1.03	0.72
1494	Shell-Thick	SLE-QP	1.1167	0.4357	-1.10	0.72
1495	Shell-Thick	SLU-STATICA	1.7578	0.9291	-1.63	3.24
1495	Shell-Thick	SLU-STATICA	1.5295	1.3959	-1.52	3.24
1495	Shell-Thick	SLU-STATICA	1.7557	1.4191	-1.52	3.12
1495	Shell-Thick	SLU-STATICA	2.0049	0.9314	-1.63	3.12
1495	Shell-Thick	SLU-SISMICA	2.7425	1.5803	-2.21	7.17
1495	Shell-Thick	SLU-SISMICA	2.4572	2.6280	-2.05	7.17
1495	Shell-Thick	SLU-SISMICA	2.7595	2.6570	-2.05	7.01
1495	Shell-Thick	SLU-SISMICA	3.0790	1.5751	-2.21	7.01
1495	Shell-Thick	SLE-RARA	1.2829	0.6716	-1.21	2.26
1495	Shell-Thick	SLE-RARA	1.1127	0.9964	-1.12	2.26
1495	Shell-Thick	SLE-RARA	1.2803	1.0136	-1.12	2.17
1495	Shell-Thick	SLE-RARA	1.4657	0.6737	-1.21	2.17
1495	Shell-Thick	SLE-FREQ.	1.1703	0.6015	-1.13	1.88
1495	Shell-Thick	SLE-FREQ.	1.0090	0.8705	-1.05	1.88
1495	Shell-Thick	SLE-FREQ.	1.1663	0.8869	-1.05	1.80
1495	Shell-Thick	SLE-FREQ.	1.3413	0.6042	-1.13	1.80
1495	Shell-Thick	SLE-QP	0.8327	0.3913	-0.90	0.74
1495	Shell-Thick	SLE-QP	0.6980	0.4931	-0.84	0.74
1495	Shell-Thick	SLE-QP	0.8241	0.5067	-0.84	0.68
1495	Shell-Thick	SLE-QP	0.9680	0.3957	-0.90	0.68
1496	Shell-Thick	SLU-STATICA	1.5176	0.8541	-1.32	3.15
1496	Shell-Thick	SLU-STATICA	1.3179	1.3114	-1.22	3.15
1496	Shell-Thick	SLU-STATICA	1.5007	1.2923	-1.22	3.05
1496	Shell-Thick	SLU-STATICA	1.7164	0.8190	-1.32	3.05
1496	Shell-Thick	SLU-SISMICA	2.3607	1.4626	-1.78	7.05
1496	Shell-Thick	SLU-SISMICA	2.1206	2.4981	-1.65	7.05
1496	Shell-Thick	SLU-SISMICA	2.3645	2.4587	-1.65	6.92
1496	Shell-Thick	SLU-SISMICA	2.6307	1.3972	-1.78	6.92
1496	Shell-Thick	SLE-RARA	1.1080	0.6169	-0.98	2.19
1496	Shell-Thick	SLE-RARA	0.9586	0.9346	-0.91	2.19
1496	Shell-Thick	SLE-RARA	1.0941	0.9211	-0.91	2.12
1496	Shell-Thick	SLE-RARA	1.2550	0.5918	-0.98	2.12
1496	Shell-Thick	SLE-FREQ.	1.0114	0.5516	-0.91	1.81
1496	Shell-Thick	SLE-FREQ.	0.8690	0.8140	-0.85	1.81
1496	Shell-Thick	SLE-FREQ.	0.9961	0.8025	-0.85	1.75
1496	Shell-Thick	SLE-FREQ.	1.1489	0.5297	-0.91	1.75
1496	Shell-Thick	SLE-QP	0.7215	0.3560	-0.73	0.69
1496	Shell-Thick	SLE-QP	0.6002	0.4523	-0.68	0.69
1496	Shell-Thick	SLE-QP	0.7022	0.4468	-0.68	0.64
1496	Shell-Thick	SLE-QP	0.8307	0.3434	-0.73	0.64
1497	Shell-Thick	SLU-STATICA	1.2759	0.7484	-1.06	3.07
1497	Shell-Thick	SLU-STATICA	1.1126	1.1972	-0.98	3.07
1497	Shell-Thick	SLU-STATICA	1.2586	1.2288	-0.98	3.00
1497	Shell-Thick	SLU-STATICA	1.4359	0.7661	-1.06	3.00
1497	Shell-Thick	SLU-SISMICA	1.9720	1.2924	-1.42	6.95
1497	Shell-Thick	SLU-SISMICA	1.7883	2.3166	-1.32	6.95
1497	Shell-Thick	SLU-SISMICA	1.9828	2.3660	-1.32	6.84
1497	Shell-Thick	SLU-SISMICA	2.1894	1.3190	-1.42	6.84

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1497	Shell-Thick	SLE-RARA	0.9321	0.5400	-0.78	2.14
1497	Shell-Thick	SLE-RARA	0.8094	0.8514	-0.73	2.14
1497	Shell-Thick	SLE-RARA	0.9176	0.8744	-0.73	2.08
1497	Shell-Thick	SLE-RARA	1.0505	0.5529	-0.78	2.08
1497	Shell-Thick	SLE-FREQ.	0.8519	0.4820	-0.73	1.76
1497	Shell-Thick	SLE-FREQ.	0.7339	0.7384	-0.68	1.76
1497	Shell-Thick	SLE-FREQ.	0.8355	0.7594	-0.68	1.71
1497	Shell-Thick	SLE-FREQ.	0.9627	0.4939	-0.73	1.71
1497	Shell-Thick	SLE-QP	0.6113	0.3079	-0.58	0.65
1497	Shell-Thick	SLE-QP	0.5074	0.3994	-0.54	0.65
1497	Shell-Thick	SLE-QP	0.5891	0.4144	-0.54	0.61
1497	Shell-Thick	SLE-QP	0.6992	0.3166	-0.58	0.61
1498	Shell-Thick	SLU-STATICA	1.0436	0.7008	-0.83	3.01
1498	Shell-Thick	SLU-STATICA	0.8991	1.1437	-0.77	3.01
1498	Shell-Thick	SLU-STATICA	1.0137	1.1440	-0.77	2.95
1498	Shell-Thick	SLU-STATICA	1.1683	0.6912	-0.83	2.95
1498	Shell-Thick	SLU-SISMICA	1.5943	1.2202	-1.11	6.87
1498	Shell-Thick	SLU-SISMICA	1.4388	2.2370	-1.03	6.87
1498	Shell-Thick	SLU-SISMICA	1.5910	2.2347	-1.03	6.78
1498	Shell-Thick	SLU-SISMICA	1.7627	1.2017	-1.11	6.78
1498	Shell-Thick	SLE-RARA	0.7634	0.5051	-0.61	2.09
1498	Shell-Thick	SLE-RARA	0.6544	0.8122	-0.57	2.09
1498	Shell-Thick	SLE-RARA	0.7394	0.8125	-0.57	2.05
1498	Shell-Thick	SLE-RARA	0.8556	0.4983	-0.61	2.05
1498	Shell-Thick	SLE-FREQ.	0.6993	0.4500	-0.57	1.72
1498	Shell-Thick	SLE-FREQ.	0.5939	0.7023	-0.53	1.72
1498	Shell-Thick	SLE-FREQ.	0.6737	0.7029	-0.53	1.68
1498	Shell-Thick	SLE-FREQ.	0.7857	0.4440	-0.57	1.68
1498	Shell-Thick	SLE-QP	0.5071	0.2846	-0.46	0.62
1498	Shell-Thick	SLE-QP	0.4125	0.3727	-0.43	0.62
1498	Shell-Thick	SLE-QP	0.4767	0.3739	-0.43	0.59
1498	Shell-Thick	SLE-QP	0.5758	0.2813	-0.46	0.59
1499	Shell-Thick	SLU-STATICA	0.8135	0.6308	-0.64	2.97
1499	Shell-Thick	SLU-STATICA	0.6877	1.0683	-0.59	2.97
1499	Shell-Thick	SLU-STATICA	0.7754	1.1192	-0.59	2.92
1499	Shell-Thick	SLU-STATICA	0.9096	0.6733	-0.64	2.92
1499	Shell-Thick	SLU-SISMICA	1.2174	1.1086	-0.85	6.80
1499	Shell-Thick	SLU-SISMICA	1.0879	2.1181	-0.79	6.80
1499	Shell-Thick	SLU-SISMICA	1.2040	2.2051	-0.79	6.74
1499	Shell-Thick	SLU-SISMICA	1.3472	1.1818	-0.85	6.74
1499	Shell-Thick	SLE-RARA	0.5963	0.4541	-0.47	2.06
1499	Shell-Thick	SLE-RARA	0.5012	0.7572	-0.44	2.06
1499	Shell-Thick	SLE-RARA	0.5662	0.7940	-0.44	2.02
1499	Shell-Thick	SLE-RARA	0.6674	0.4849	-0.47	2.02
1499	Shell-Thick	SLE-FREQ.	0.5484	0.4037	-0.44	1.69
1499	Shell-Thick	SLE-FREQ.	0.4559	0.6522	-0.41	1.69
1499	Shell-Thick	SLE-FREQ.	0.5170	0.6852	-0.41	1.66
1499	Shell-Thick	SLE-FREQ.	0.6150	0.4311	-0.44	1.66
1499	Shell-Thick	SLE-QP	0.4047	0.2523	-0.35	0.59
1499	Shell-Thick	SLE-QP	0.3202	0.3374	-0.33	0.59
1499	Shell-Thick	SLE-QP	0.3695	0.3587	-0.33	0.57
1499	Shell-Thick	SLE-QP	0.4577	0.2699	-0.35	0.57
1500	Shell-Thick	SLU-STATICA	0.5993	0.6178	-0.46	2.93
1500	Shell-Thick	SLU-STATICA	0.4709	1.0518	-0.42	2.93
1500	Shell-Thick	SLU-STATICA	0.5349	1.0777	-0.42	2.89
1500	Shell-Thick	SLU-STATICA	0.6685	0.6386	-0.46	2.89
1500	Shell-Thick	SLU-SISMICA	0.8670	1.0952	-0.62	6.75
1500	Shell-Thick	SLU-SISMICA	0.7265	2.1001	-0.56	6.75
1500	Shell-Thick	SLU-SISMICA	0.8108	2.1435	-0.56	6.69
1500	Shell-Thick	SLU-SISMICA	0.9597	1.1302	-0.62	6.69
1500	Shell-Thick	SLE-RARA	0.4408	0.4444	-0.34	2.03
1500	Shell-Thick	SLE-RARA	0.3441	0.7447	-0.32	2.03
1500	Shell-Thick	SLE-RARA	0.3916	0.7635	-0.32	2.00
1500	Shell-Thick	SLE-RARA	0.4920	0.4594	-0.34	2.00
1500	Shell-Thick	SLE-FREQ.	0.4079	0.3942	-0.32	1.66
1500	Shell-Thick	SLE-FREQ.	0.3146	0.6402	-0.30	1.66
1500	Shell-Thick	SLE-FREQ.	0.3593	0.6571	-0.30	1.64
1500	Shell-Thick	SLE-FREQ.	0.4560	0.4077	-0.32	1.64
1500	Shell-Thick	SLE-QP	0.3093	0.2436	-0.26	0.57

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1500	Shell-Thick	SLE-QP	0.2261	0.3267	-0.24	0.57
1500	Shell-Thick	SLE-QP	0.2623	0.3379	-0.24	0.55
1500	Shell-Thick	SLE-QP	0.3478	0.2525	-0.26	0.55
1501	Shell-Thick	SLU-STATICA	0.3963	0.5895	-0.32	2.90
1501	Shell-Thick	SLU-STATICA	0.2738	1.0202	-0.29	2.90
1501	Shell-Thick	SLU-STATICA	0.3172	1.0851	-0.29	2.87
1501	Shell-Thick	SLU-STATICA	0.4434	0.6507	-0.32	2.87
1501	Shell-Thick	SLU-SISMICA	0.5401	1.0537	-0.42	6.70
1501	Shell-Thick	SLU-SISMICA	0.4003	2.0540	-0.38	6.70
1501	Shell-Thick	SLU-SISMICA	0.4570	2.1630	-0.38	6.66
1501	Shell-Thick	SLU-SISMICA	0.6032	1.1564	-0.42	6.66
1501	Shell-Thick	SLE-RARA	0.2931	0.4235	-0.23	2.00
1501	Shell-Thick	SLE-RARA	0.2011	0.7215	-0.21	2.00
1501	Shell-Thick	SLE-RARA	0.2334	0.7685	-0.21	1.98
1501	Shell-Thick	SLE-RARA	0.3280	0.4679	-0.23	1.98
1501	Shell-Thick	SLE-FREQ.	0.2741	0.3749	-0.22	1.64
1501	Shell-Thick	SLE-FREQ.	0.1858	0.6188	-0.20	1.64
1501	Shell-Thick	SLE-FREQ.	0.2161	0.6610	-0.20	1.62
1501	Shell-Thick	SLE-FREQ.	0.3068	0.4148	-0.22	1.62
1501	Shell-Thick	SLE-QP	0.2170	0.2292	-0.18	0.55
1501	Shell-Thick	SLE-QP	0.1397	0.3105	-0.16	0.55
1501	Shell-Thick	SLE-QP	0.1644	0.3384	-0.16	0.54
1501	Shell-Thick	SLE-QP	0.2432	0.2555	-0.18	0.54
1502	Shell-Thick	SLU-STATICA	0.2221	0.6087	-0.18	2.87
1502	Shell-Thick	SLU-STATICA	0.0916	1.0378	-0.16	2.87
1502	Shell-Thick	SLU-STATICA	0.1164	1.0841	-0.16	2.85
1502	Shell-Thick	SLU-STATICA	0.2477	0.6542	-0.18	2.85
1502	Shell-Thick	SLU-SISMICA	0.2770	1.0931	-0.23	6.67
1502	Shell-Thick	SLU-SISMICA	0.1073	2.0911	-0.21	6.67
1502	Shell-Thick	SLU-SISMICA	0.1394	2.1566	-0.21	6.64
1502	Shell-Thick	SLU-SISMICA	0.3109	1.1569	-0.23	6.64
1502	Shell-Thick	SLE-RARA	0.1656	0.4371	-0.13	1.99
1502	Shell-Thick	SLE-RARA	0.0686	0.7339	-0.12	1.99
1502	Shell-Thick	SLE-RARA	0.0871	0.7680	-0.12	1.97
1502	Shell-Thick	SLE-RARA	0.1845	0.4707	-0.13	1.97
1502	Shell-Thick	SLE-FREQ.	0.1570	0.3865	-0.12	1.62
1502	Shell-Thick	SLE-FREQ.	0.0656	0.6293	-0.11	1.62
1502	Shell-Thick	SLE-FREQ.	0.0830	0.6610	-0.11	1.61
1502	Shell-Thick	SLE-FREQ.	0.1748	0.4178	-0.12	1.61
1502	Shell-Thick	SLE-QP	0.1312	0.2347	-0.10	0.54
1502	Shell-Thick	SLE-QP	0.0567	0.3153	-9.061E-02	0.54
1502	Shell-Thick	SLE-QP	0.0709	0.3397	-9.061E-02	0.53
1502	Shell-Thick	SLE-QP	0.1456	0.2590	-0.10	0.53
1503	Shell-Thick	SLU-STATICA	0.0782	0.6260	-5.716E-02	2.86
1503	Shell-Thick	SLU-STATICA	9.929E-05	1.0552	-5.014E-02	2.86
1503	Shell-Thick	SLU-STATICA	0.0084	1.1018	-5.014E-02	2.85
1503	Shell-Thick	SLU-STATICA	0.0847	0.6739	-5.716E-02	2.85
1503	Shell-Thick	SLU-SISMICA	0.0890	1.1199	-7.480E-02	6.65
1503	Shell-Thick	SLU-SISMICA	-0.0179	2.1178	-6.432E-02	6.65
1503	Shell-Thick	SLU-SISMICA	-0.0076	2.1650	-6.432E-02	6.64
1503	Shell-Thick	SLU-SISMICA	0.0977	1.1683	-7.480E-02	6.64
1503	Shell-Thick	SLE-RARA	0.0588	0.4497	-4.243E-02	1.98
1503	Shell-Thick	SLE-RARA	9.729E-04	0.7466	-3.729E-02	1.98
1503	Shell-Thick	SLE-RARA	0.0071	0.7819	-3.729E-02	1.97
1503	Shell-Thick	SLE-RARA	0.0635	0.4860	-4.243E-02	1.97
1503	Shell-Thick	SLE-FREQ.	0.0564	0.3980	-3.994E-02	1.62
1503	Shell-Thick	SLE-FREQ.	0.0024	0.6409	-3.520E-02	1.62
1503	Shell-Thick	SLE-FREQ.	0.0083	0.6753	-3.520E-02	1.61
1503	Shell-Thick	SLE-FREQ.	0.0609	0.4334	-3.994E-02	1.61
1503	Shell-Thick	SLE-QP	0.0494	0.2430	-3.245E-02	0.54
1503	Shell-Thick	SLE-QP	0.0068	0.3237	-2.895E-02	0.54
1503	Shell-Thick	SLE-QP	0.0117	0.3553	-2.895E-02	0.53
1503	Shell-Thick	SLE-QP	0.0530	0.2756	-3.245E-02	0.53
1504	Shell-Thick	SLU-STATICA	35.8333	5.8909	81.65	-1.52
1504	Shell-Thick	SLU-STATICA	28.5618	6.9881	73.11	-1.52
1504	Shell-Thick	SLU-STATICA	17.6339	5.6359	73.11	7.02
1504	Shell-Thick	SLU-STATICA	23.5291	5.9086	81.65	7.02
1504	Shell-Thick	SLU-SISMICA	46.3177	7.3840	101.17	-2.25
1504	Shell-Thick	SLU-SISMICA	35.6373	9.0070	88.78	-2.25

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1504	Shell-Thick	SLU-SISMICA	22.4136	7.7785	88.78	10.15
1504	Shell-Thick	SLU-SISMICA	31.0250	8.2151	101.17	10.15
1504	Shell-Thick	SLE-RARA	26.6298	4.3894	60.89	-1.12
1504	Shell-Thick	SLE-RARA	21.2898	5.1945	54.61	-1.12
1504	Shell-Thick	SLE-RARA	13.1237	4.1638	54.61	5.16
1504	Shell-Thick	SLE-RARA	17.4553	4.3623	60.89	5.16
1504	Shell-Thick	SLE-FREQ.	25.1116	4.1585	57.79	-1.03
1504	Shell-Thick	SLE-FREQ.	20.1834	4.9005	51.98	-1.03
1504	Shell-Thick	SLE-FREQ.	12.4074	3.8850	51.98	4.77
1504	Shell-Thick	SLE-FREQ.	16.4089	4.0652	57.79	4.77
1504	Shell-Thick	SLE-QP	20.5570	3.4657	48.47	-0.77
1504	Shell-Thick	SLE-QP	16.8643	4.0186	44.08	-0.77
1504	Shell-Thick	SLE-QP	10.2583	3.0488	44.08	3.62
1504	Shell-Thick	SLE-QP	13.2697	3.1739	48.47	3.62
1505	Shell-Thick	SLU-STATICA	30.6932	6.2682	70.70	5.70
1505	Shell-Thick	SLU-STATICA	24.6652	8.1154	62.87	5.70
1505	Shell-Thick	SLU-STATICA	15.0456	5.8202	62.87	13.53
1505	Shell-Thick	SLU-STATICA	20.2593	4.7814	70.70	13.53
1505	Shell-Thick	SLU-SISMICA	42.3181	8.8755	88.97	8.19
1505	Shell-Thick	SLU-SISMICA	33.3353	11.5610	77.72	8.19
1505	Shell-Thick	SLU-SISMICA	21.4390	9.0757	77.72	19.44
1505	Shell-Thick	SLU-SISMICA	29.1898	7.6138	88.97	19.44
1505	Shell-Thick	SLE-RARA	22.6781	4.6197	52.66	4.19
1505	Shell-Thick	SLE-RARA	18.2578	5.9777	46.90	4.19
1505	Shell-Thick	SLE-RARA	11.0821	4.2480	46.90	9.96
1505	Shell-Thick	SLE-RARA	14.9063	3.4819	52.66	9.96
1505	Shell-Thick	SLE-FREQ.	21.1636	4.2916	49.86	3.89
1505	Shell-Thick	SLE-FREQ.	17.0951	5.5471	44.53	3.89
1505	Shell-Thick	SLE-FREQ.	10.2834	3.8757	44.53	9.22
1505	Shell-Thick	SLE-FREQ.	13.8049	3.1633	49.86	9.22
1505	Shell-Thick	SLE-QP	16.6202	3.3070	41.47	2.96
1505	Shell-Thick	SLE-QP	13.6071	4.2555	37.40	2.96
1505	Shell-Thick	SLE-QP	7.8874	2.7589	37.40	7.03
1505	Shell-Thick	SLE-QP	10.5005	2.2074	41.47	7.03
1506	Shell-Thick	SLU-STATICA	24.0010	4.6787	58.22	12.48
1506	Shell-Thick	SLU-STATICA	19.1926	7.5007	52.37	12.48
1506	Shell-Thick	SLU-STATICA	11.4026	9.8268	52.37	18.33
1506	Shell-Thick	SLU-STATICA	15.1881	8.0233	58.22	18.33
1506	Shell-Thick	SLU-SISMICA	34.8703	7.4868	74.13	17.88
1506	Shell-Thick	SLU-SISMICA	27.5956	11.5701	65.74	17.88
1506	Shell-Thick	SLU-SISMICA	17.8695	16.0448	65.74	26.26
1506	Shell-Thick	SLU-SISMICA	23.5987	13.5007	74.13	26.26
1506	Shell-Thick	SLE-RARA	17.6449	3.4053	43.33	9.19
1506	Shell-Thick	SLE-RARA	14.1243	5.4808	39.02	9.19
1506	Shell-Thick	SLE-RARA	8.3180	7.1363	39.02	13.50
1506	Shell-Thick	SLE-RARA	11.0895	5.8067	43.33	13.50
1506	Shell-Thick	SLE-FREQ.	16.3166	3.0905	40.95	8.52
1506	Shell-Thick	SLE-FREQ.	13.0855	5.0112	36.96	8.52
1506	Shell-Thick	SLE-FREQ.	7.5814	6.4494	36.96	12.51
1506	Shell-Thick	SLE-FREQ.	10.1249	5.2134	40.95	12.51
1506	Shell-Thick	SLE-QP	12.3317	2.1463	33.83	6.50
1506	Shell-Thick	SLE-QP	9.9690	3.6025	30.77	6.50
1506	Shell-Thick	SLE-QP	5.3718	4.3885	30.77	9.56
1506	Shell-Thick	SLE-QP	7.2311	3.4334	33.83	9.56
1507	Shell-Thick	SLU-STATICA	14.8302	7.5762	47.45	17.85
1507	Shell-Thick	SLU-STATICA	14.4899	10.8198	43.13	17.85
1507	Shell-Thick	SLU-STATICA	7.9325	10.1245	43.13	22.17
1507	Shell-Thick	SLU-STATICA	7.7892	7.3613	47.45	22.17
1507	Shell-Thick	SLU-SISMICA	22.8280	12.7928	61.33	25.54
1507	Shell-Thick	SLU-SISMICA	22.1777	17.4603	55.13	25.54
1507	Shell-Thick	SLU-SISMICA	13.8055	17.3603	55.13	31.75
1507	Shell-Thick	SLU-SISMICA	13.7168	13.4271	61.33	31.75
1507	Shell-Thick	SLE-RARA	10.8389	5.4809	35.26	13.14
1507	Shell-Thick	SLE-RARA	10.5965	7.8677	32.08	13.14
1507	Shell-Thick	SLE-RARA	5.7182	7.3112	32.08	16.32
1507	Shell-Thick	SLE-RARA	5.6068	5.2757	35.26	16.32
1507	Shell-Thick	SLE-FREQ.	9.9144	4.9171	33.25	12.18
1507	Shell-Thick	SLE-FREQ.	9.7035	7.1280	30.31	12.18
1507	Shell-Thick	SLE-FREQ.	5.0945	6.5363	30.31	15.13

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1507	Shell-Thick	SLE-FREQ.	4.9815	4.6471	33.25	15.13
1507	Shell-Thick	SLE-QP	7.1409	3.2255	27.22	9.31
1507	Shell-Thick	SLE-QP	7.0243	4.9089	24.98	9.31
1507	Shell-Thick	SLE-QP	3.2236	4.2115	24.98	11.56
1507	Shell-Thick	SLE-QP	3.1053	2.7614	27.22	11.56
1508	Shell-Thick	SLU-STATICA	9.0069	7.0154	37.61	21.44
1508	Shell-Thick	SLU-STATICA	8.3556	10.7985	34.55	21.44
1508	Shell-Thick	SLU-STATICA	3.2751	11.8667	34.55	24.50
1508	Shell-Thick	SLU-STATICA	3.2557	8.7520	37.61	24.50
1508	Shell-Thick	SLU-SISMICA	15.1638	12.8380	49.40	30.67
1508	Shell-Thick	SLU-SISMICA	14.0108	18.2798	45.00	30.67
1508	Shell-Thick	SLU-SISMICA	7.4335	20.6854	45.00	35.08
1508	Shell-Thick	SLU-SISMICA	7.5696	16.2573	49.40	35.08
1508	Shell-Thick	SLE-RARA	6.5181	5.0258	27.91	15.79
1508	Shell-Thick	SLE-RARA	6.0496	7.8097	25.66	15.79
1508	Shell-Thick	SLE-RARA	2.2745	8.5525	25.66	18.04
1508	Shell-Thick	SLE-RARA	2.2520	6.2578	27.91	18.04
1508	Shell-Thick	SLE-FREQ.	5.8514	4.4233	26.25	14.64
1508	Shell-Thick	SLE-FREQ.	5.4357	7.0023	24.16	14.64
1508	Shell-Thick	SLE-FREQ.	1.8767	7.6168	24.16	16.73
1508	Shell-Thick	SLE-FREQ.	1.8420	5.4867	26.25	16.73
1508	Shell-Thick	SLE-QP	3.8513	2.6160	21.28	11.20
1508	Shell-Thick	SLE-QP	3.5939	4.5802	19.69	11.20
1508	Shell-Thick	SLE-QP	0.6832	4.8100	19.69	12.79
1508	Shell-Thick	SLE-QP	0.6118	3.1735	21.28	12.79
1509	Shell-Thick	SLU-STATICA	2.6195	8.4535	29.95	24.27
1509	Shell-Thick	SLU-STATICA	5.1165	12.4063	27.50	24.27
1509	Shell-Thick	SLU-STATICA	0.9307	11.1641	27.50	26.72
1509	Shell-Thick	SLU-STATICA	-1.8187	7.4620	29.95	26.72
1509	Shell-Thick	SLU-SISMICA	6.2216	15.7309	40.31	34.73
1509	Shell-Thick	SLU-SISMICA	9.7491	21.4052	36.75	34.73
1509	Shell-Thick	SLU-SISMICA	4.1589	20.2007	36.75	38.29
1509	Shell-Thick	SLU-SISMICA	0.2423	14.9128	40.31	38.29
1509	Shell-Thick	SLE-RARA	1.8055	6.0430	22.17	17.87
1509	Shell-Thick	SLE-RARA	3.6461	8.9523	20.38	17.87
1509	Shell-Thick	SLE-RARA	0.5444	8.0093	20.38	19.67
1509	Shell-Thick	SLE-RARA	-1.4808	5.2830	22.17	19.67
1509	Shell-Thick	SLE-FREQ.	1.4649	5.2959	20.78	16.57
1509	Shell-Thick	SLE-FREQ.	3.1755	7.9921	19.11	16.57
1509	Shell-Thick	SLE-FREQ.	0.2657	7.0691	19.11	18.23
1509	Shell-Thick	SLE-FREQ.	-1.6136	4.5405	20.78	18.23
1509	Shell-Thick	SLE-QP	0.4433	3.0547	16.58	12.67
1509	Shell-Thick	SLE-QP	1.7637	5.1112	15.33	12.67
1509	Shell-Thick	SLE-QP	-0.5705	4.2488	15.33	13.92
1509	Shell-Thick	SLE-QP	-2.0122	2.3127	16.58	13.92
1510	Shell-Thick	SLU-STATICA	0.2738	7.3878	23.30	26.12
1510	Shell-Thick	SLU-STATICA	0.9836	11.6674	21.33	26.12
1510	Shell-Thick	SLU-STATICA	-2.1554	11.4371	21.33	28.10
1510	Shell-Thick	SLU-STATICA	-3.2861	7.5769	23.30	28.10
1510	Shell-Thick	SLU-SISMICA	3.0175	14.7285	32.31	37.40
1510	Shell-Thick	SLU-SISMICA	3.8562	20.8795	29.39	37.40
1510	Shell-Thick	SLU-SISMICA	-0.4570	21.0246	29.39	40.32
1510	Shell-Thick	SLU-SISMICA	-1.9328	15.5085	32.31	40.32
1510	Shell-Thick	SLE-RARA	0.0708	5.2323	17.20	19.23
1510	Shell-Thick	SLE-RARA	0.6022	8.3819	15.76	19.23
1510	Shell-Thick	SLE-RARA	-1.7178	8.1887	15.76	20.68
1510	Shell-Thick	SLE-RARA	-2.5574	5.3462	17.20	20.68
1510	Shell-Thick	SLE-FREQ.	-0.1564	4.5000	16.04	17.83
1510	Shell-Thick	SLE-FREQ.	0.3513	7.4181	14.71	17.83
1510	Shell-Thick	SLE-FREQ.	-1.8151	7.1988	14.71	19.17
1510	Shell-Thick	SLE-FREQ.	-2.6056	4.5625	16.04	19.17
1510	Shell-Thick	SLE-QP	-0.8381	2.3032	12.54	13.63
1510	Shell-Thick	SLE-QP	-0.4015	4.5269	11.55	13.63
1510	Shell-Thick	SLE-QP	-2.1068	4.2294	11.55	14.62
1510	Shell-Thick	SLE-QP	-2.7501	2.2116	12.54	14.62
1511	Shell-Thick	SLU-STATICA	-3.1848	7.5203	17.95	27.99
1511	Shell-Thick	SLU-STATICA	-0.2413	11.8968	16.41	27.99
1511	Shell-Thick	SLU-STATICA	-2.7611	10.9278	16.41	29.53
1511	Shell-Thick	SLU-STATICA	-5.8234	6.6692	17.95	29.53



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1511	Shell-Thick	SLU-SISMICA	-2.0586	15.3647	25.88	40.15
1511	Shell-Thick	SLU-SISMICA	2.1122	21.6571	23.55	40.15
1511	Shell-Thick	SLU-SISMICA	-1.5071	20.5569	23.55	42.48
1511	Shell-Thick	SLU-SISMICA	-5.8593	14.4442	25.88	42.48
1511	Shell-Thick	SLE-RARA	-2.4693	5.3076	13.21	20.60
1511	Shell-Thick	SLE-RARA	-0.3001	8.5284	12.08	20.60
1511	Shell-Thick	SLE-RARA	-2.1546	7.8007	12.08	21.73
1511	Shell-Thick	SLE-RARA	-4.4108	4.6661	13.21	21.73
1511	Shell-Thick	SLE-FREQ.	-2.5010	4.5321	12.23	19.09
1511	Shell-Thick	SLE-FREQ.	-0.4861	7.5160	11.19	19.09
1511	Shell-Thick	SLE-FREQ.	-2.2046	6.8170	11.19	20.13
1511	Shell-Thick	SLE-FREQ.	-4.2991	3.9121	12.23	20.13
1511	Shell-Thick	SLE-QP	-2.5960	2.2055	9.30	14.57
1511	Shell-Thick	SLE-QP	-1.0442	4.4788	8.54	14.57
1511	Shell-Thick	SLE-QP	-2.3544	3.8660	8.54	15.33
1511	Shell-Thick	SLE-QP	-3.9640	1.6501	9.30	15.33
1512	Shell-Thick	SLU-STATICA	-3.7707	6.7382	13.46	29.12
1512	Shell-Thick	SLU-STATICA	-2.4415	11.3333	12.18	29.12
1512	Shell-Thick	SLU-STATICA	-4.2381	10.9278	12.18	30.40
1512	Shell-Thick	SLU-STATICA	-5.8232	6.5877	13.46	30.40
1512	Shell-Thick	SLU-SISMICA	-2.9828	14.5054	20.40	41.87
1512	Shell-Thick	SLU-SISMICA	-1.2147	21.1294	18.43	41.87
1512	Shell-Thick	SLU-SISMICA	-3.9386	20.7424	18.43	43.85
1512	Shell-Thick	SLU-SISMICA	-6.0883	14.4987	20.40	43.85
1512	Shell-Thick	SLE-RARA	-2.8964	4.7188	9.85	21.43
1512	Shell-Thick	SLE-RARA	-1.9111	8.0996	8.92	21.43
1512	Shell-Thick	SLE-RARA	-3.2263	7.7914	8.92	22.36
1512	Shell-Thick	SLE-RARA	-4.3993	4.5976	9.85	22.36
1512	Shell-Thick	SLE-FREQ.	-2.8898	3.9641	9.04	19.86
1512	Shell-Thick	SLE-FREQ.	-1.9648	7.0948	8.19	19.86
1512	Shell-Thick	SLE-FREQ.	-3.1714	6.7927	8.19	20.71
1512	Shell-Thick	SLE-FREQ.	-4.2690	3.8341	9.04	20.71
1512	Shell-Thick	SLE-QP	-2.8698	1.7001	6.59	15.13
1512	Shell-Thick	SLE-QP	-2.1259	4.0805	5.99	15.13
1512	Shell-Thick	SLE-QP	-3.0066	3.7967	5.99	15.74
1512	Shell-Thick	SLE-QP	-3.8783	1.5436	6.59	15.74
1513	Shell-Thick	SLU-STATICA	-5.4105	6.6468	9.77	30.36
1513	Shell-Thick	SLU-STATICA	-2.5141	11.2961	8.81	30.36
1513	Shell-Thick	SLU-STATICA	-3.8883	10.7996	8.81	31.32
1513	Shell-Thick	SLU-STATICA	-6.8252	6.1902	9.77	31.32
1513	Shell-Thick	SLU-SISMICA	-5.5695	14.5635	15.87	43.79
1513	Shell-Thick	SLU-SISMICA	-1.4442	21.2802	14.32	43.79
1513	Shell-Thick	SLU-SISMICA	-3.6835	20.6548	14.32	45.34
1513	Shell-Thick	SLU-SISMICA	-7.8636	13.9917	15.87	45.34
1513	Shell-Thick	SLE-RARA	-4.0918	4.6421	7.10	22.33
1513	Shell-Thick	SLE-RARA	-1.9584	8.0620	6.40	22.33
1513	Shell-Thick	SLE-RARA	-2.9565	7.6923	6.40	23.03
1513	Shell-Thick	SLE-RARA	-5.1200	4.3019	7.10	23.03
1513	Shell-Thick	SLE-FREQ.	-3.9779	3.8770	6.42	20.68
1513	Shell-Thick	SLE-FREQ.	-1.9980	7.0427	5.79	20.68
1513	Shell-Thick	SLE-FREQ.	-2.9005	6.6927	5.79	21.31
1513	Shell-Thick	SLE-FREQ.	-4.9084	3.5546	6.42	21.31
1513	Shell-Thick	SLE-QP	-3.6360	1.5818	4.39	15.72
1513	Shell-Thick	SLE-QP	-2.1169	3.9849	3.96	15.72
1513	Shell-Thick	SLE-QP	-2.7323	3.6940	3.96	16.15
1513	Shell-Thick	SLE-QP	-4.2737	1.3130	4.39	16.15
1514	Shell-Thick	SLU-STATICA	-5.1360	6.3063	6.72	31.05
1514	Shell-Thick	SLU-STATICA	-3.4934	11.1004	5.96	31.05
1514	Shell-Thick	SLU-STATICA	-4.3701	10.9081	5.96	31.82
1514	Shell-Thick	SLU-STATICA	-6.1631	6.2640	6.72	31.82
1514	Shell-Thick	SLU-SISMICA	-5.3550	14.1593	12.09	44.94
1514	Shell-Thick	SLU-SISMICA	-3.0736	21.1108	10.78	44.94
1514	Shell-Thick	SLU-SISMICA	-4.6833	20.8540	10.78	46.25
1514	Shell-Thick	SLU-SISMICA	-7.1791	14.1159	12.09	46.25
1514	Shell-Thick	SLE-RARA	-3.8808	4.3873	4.83	22.84
1514	Shell-Thick	SLE-RARA	-2.6680	7.9124	4.27	22.84
1514	Shell-Thick	SLE-RARA	-3.2958	7.7700	4.27	23.39
1514	Shell-Thick	SLE-RARA	-4.6194	4.3553	4.83	23.39
1514	Shell-Thick	SLE-FREQ.	-3.7671	3.6337	4.27	21.13



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1514	Shell-Thick	SLE-FREQ.	-2.6367	6.8946	3.77	21.13
1514	Shell-Thick	SLE-FREQ.	-3.1888	6.7610	3.77	21.63
1514	Shell-Thick	SLE-FREQ.	-4.4220	3.6026	4.27	21.63
1514	Shell-Thick	SLE-QP	-3.4261	1.3731	2.59	16.02
1514	Shell-Thick	SLE-QP	-2.5429	3.8413	2.27	16.02
1514	Shell-Thick	SLE-QP	-2.8678	3.7342	2.27	16.34
1514	Shell-Thick	SLE-QP	-3.8299	1.3446	2.59	16.34
1515	Shell-Thick	SLU-STATICA	-5.7490	6.3556	4.22	31.82
1515	Shell-Thick	SLU-STATICA	-3.0125	11.1709	3.69	31.82
1515	Shell-Thick	SLU-STATICA	-3.6077	11.0919	3.69	32.35
1515	Shell-Thick	SLU-STATICA	-6.3415	6.2734	4.22	32.35
1515	Shell-Thick	SLU-SISMICA	-6.4954	14.2630	8.92	46.25
1515	Shell-Thick	SLU-SISMICA	-2.5508	21.2701	7.94	46.25
1515	Shell-Thick	SLU-SISMICA	-3.8261	21.1185	7.94	47.23
1515	Shell-Thick	SLU-SISMICA	-7.7511	14.0910	8.92	47.23
1515	Shell-Thick	SLE-RARA	-4.3191	4.4219	2.96	23.39
1515	Shell-Thick	SLE-RARA	-2.3057	7.9614	2.59	23.39
1515	Shell-Thick	SLE-RARA	-2.7228	7.9052	2.59	23.77
1515	Shell-Thick	SLE-RARA	-4.7349	4.3641	2.96	23.77
1515	Shell-Thick	SLE-FREQ.	-4.1512	3.6630	2.50	21.63
1515	Shell-Thick	SLE-FREQ.	-2.2868	6.9352	2.17	21.63
1515	Shell-Thick	SLE-FREQ.	-2.6377	6.8863	2.17	21.96
1515	Shell-Thick	SLE-FREQ.	-4.5023	3.6140	2.50	21.96
1515	Shell-Thick	SLE-QP	-3.6477	1.3864	1.13	16.34
1515	Shell-Thick	SLE-QP	-2.2301	3.8564	0.93	16.34
1515	Shell-Thick	SLE-QP	-2.3825	3.8295	0.93	16.53
1515	Shell-Thick	SLE-QP	-3.8046	1.3638	1.13	16.53
1516	Shell-Thick	SLU-STATICA	-5.0938	6.3850	2.21	32.19
1516	Shell-Thick	SLU-STATICA	-3.3109	11.2891	1.82	32.19
1516	Shell-Thick	SLU-STATICA	-3.5705	11.3562	1.82	32.57
1516	Shell-Thick	SLU-STATICA	-5.4398	6.5382	2.21	32.57
1516	Shell-Thick	SLU-SISMICA	-5.7604	14.2819	6.32	46.99
1516	Shell-Thick	SLU-SISMICA	-3.2014	21.4506	5.53	46.99
1516	Shell-Thick	SLU-SISMICA	-4.0365	21.4690	5.53	47.78
1516	Shell-Thick	SLU-SISMICA	-6.7052	14.4093	6.32	47.78
1516	Shell-Thick	SLE-RARA	-3.8266	4.4447	1.47	23.65
1516	Shell-Thick	SLE-RARA	-2.5142	8.0479	1.20	23.65
1516	Shell-Thick	SLE-RARA	-2.6822	8.1012	1.20	23.92
1516	Shell-Thick	SLE-RARA	-4.0589	4.5621	1.47	23.92
1516	Shell-Thick	SLE-FREQ.	-3.6774	3.6862	1.09	21.85
1516	Shell-Thick	SLE-FREQ.	-2.4612	7.0144	0.86	21.85
1516	Shell-Thick	SLE-FREQ.	-2.5778	7.0704	0.86	22.08
1516	Shell-Thick	SLE-FREQ.	-3.8548	3.8028	1.09	22.08
1516	Shell-Thick	SLE-QP	-3.2301	1.4104	-2.907E-02	16.45
1516	Shell-Thick	SLE-QP	-2.3022	3.9138	-0.14	16.45
1516	Shell-Thick	SLE-QP	-2.2645	3.9779	-0.14	16.56
1516	Shell-Thick	SLE-QP	-3.2426	1.5247	-2.907E-02	16.56
1517	Shell-Thick	SLU-STATICA	-5.1630	6.6208	0.59	32.60
1517	Shell-Thick	SLU-STATICA	-2.6179	11.5195	0.38	32.60
1517	Shell-Thick	SLU-STATICA	-2.7022	11.7230	0.38	32.81
1517	Shell-Thick	SLU-STATICA	-5.2247	6.8016	0.59	32.81
1517	Shell-Thick	SLU-SISMICA	-6.1073	14.5685	4.17	47.83
1517	Shell-Thick	SLU-SISMICA	-2.3772	21.7612	3.62	47.83
1517	Shell-Thick	SLU-SISMICA	-2.9901	21.9515	3.62	48.38
1517	Shell-Thick	SLU-SISMICA	-6.6628	14.7010	4.17	48.38
1517	Shell-Thick	SLE-RARA	-3.8651	4.6209	0.27	23.94
1517	Shell-Thick	SLE-RARA	-1.9957	8.2185	0.13	23.94
1517	Shell-Thick	SLE-RARA	-2.0332	8.3733	0.13	24.09
1517	Shell-Thick	SLE-RARA	-3.8873	4.7603	0.27	24.09
1517	Shell-Thick	SLE-FREQ.	-3.6922	3.8538	-3.069E-02	22.10
1517	Shell-Thick	SLE-FREQ.	-1.9663	7.1742	-0.14	22.10
1517	Shell-Thick	SLE-FREQ.	-1.9594	7.3263	-0.14	22.21
1517	Shell-Thick	SLE-FREQ.	-3.6733	3.9937	-3.069E-02	22.21
1517	Shell-Thick	SLE-QP	-3.1735	1.5525	-0.93	16.58
1517	Shell-Thick	SLE-QP	-1.8780	4.0412	-0.95	16.58
1517	Shell-Thick	SLE-QP	-1.7380	4.1851	-0.95	16.59
1517	Shell-Thick	SLE-QP	-3.0312	1.6940	-0.93	16.59
1518	Shell-Thick	SLU-STATICA	-4.3862	6.8872	-0.64	32.72
1518	Shell-Thick	SLU-STATICA	-2.5690	11.8317	-0.74	32.72

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1518	Shell-Thick	SLU-STATICA	-2.4402	12.0760	-0.74	32.82
1518	Shell-Thick	SLU-STATICA	-4.3082	7.1822	-0.64	32.82
1518	Shell-Thick	SLU-SISMICA	-5.1891	14.8737	2.46	48.24
1518	Shell-Thick	SLU-SISMICA	-2.5061	22.1703	2.05	48.24
1518	Shell-Thick	SLU-SISMICA	-2.8199	22.4033	2.05	48.64
1518	Shell-Thick	SLU-SISMICA	-5.5520	15.1555	2.46	48.64
1518	Shell-Thick	SLE-RARA	-3.2836	4.8208	-0.64	24.02
1518	Shell-Thick	SLE-RARA	-1.9498	8.4502	-0.70	24.02
1518	Shell-Thick	SLE-RARA	-1.8301	8.6359	-0.70	24.08
1518	Shell-Thick	SLE-RARA	-3.2025	5.0450	-0.64	24.08
1518	Shell-Thick	SLE-FREQ.	-3.1367	4.0456	-0.88	22.15
1518	Shell-Thick	SLE-FREQ.	-1.9069	7.3922	-0.91	22.15
1518	Shell-Thick	SLE-FREQ.	-1.7538	7.5743	-0.91	22.19
1518	Shell-Thick	SLE-FREQ.	-3.0213	4.2653	-0.88	22.19
1518	Shell-Thick	SLE-QP	-2.6958	1.7200	-1.59	16.54
1518	Shell-Thick	SLE-QP	-1.7781	4.2182	-1.55	16.54
1518	Shell-Thick	SLE-QP	-1.5249	4.3894	-1.55	16.50
1518	Shell-Thick	SLE-QP	-2.4778	1.9264	-1.59	16.50
1519	Shell-Thick	SLU-STATICA	-4.1928	7.2408	-1.55	32.86
1519	Shell-Thick	SLU-STATICA	-1.8477	12.1590	-1.53	32.86
1519	Shell-Thick	SLU-STATICA	-1.6294	12.4967	-1.53	32.84
1519	Shell-Thick	SLU-STATICA	-3.9479	7.5520	-1.55	32.84
1519	Shell-Thick	SLU-SISMICA	-5.1240	15.2949	1.08	48.71
1519	Shell-Thick	SLU-SISMICA	-1.6231	22.5889	0.86	48.71
1519	Shell-Thick	SLU-SISMICA	-1.8035	22.9546	0.86	48.93
1519	Shell-Thick	SLU-SISMICA	-5.2345	15.5905	1.08	48.93
1519	Shell-Thick	SLE-RARA	-3.1306	5.0854	-1.31	24.11
1519	Shell-Thick	SLE-RARA	-1.4113	8.6937	-1.28	24.11
1519	Shell-Thick	SLE-RARA	-1.2260	8.9482	-1.28	24.08
1519	Shell-Thick	SLE-RARA	-2.9273	5.3219	-1.31	24.08
1519	Shell-Thick	SLE-FREQ.	-2.9769	4.2981	-1.49	22.21
1519	Shell-Thick	SLE-FREQ.	-1.3949	7.6222	-1.44	22.21
1519	Shell-Thick	SLE-FREQ.	-1.1815	7.8681	-1.44	22.16
1519	Shell-Thick	SLE-FREQ.	-2.7494	4.5301	-1.49	22.16
1519	Shell-Thick	SLE-QP	-2.5158	1.9363	-2.05	16.52
1519	Shell-Thick	SLE-QP	-1.3459	4.4077	-1.94	16.52
1519	Shell-Thick	SLE-QP	-1.0479	4.6279	-1.94	16.42
1519	Shell-Thick	SLE-QP	-2.2157	2.1545	-2.05	16.42
1520	Shell-Thick	SLU-STATICA	-3.4362	7.6075	-2.14	32.78
1520	Shell-Thick	SLU-STATICA	-1.6509	12.5392	-2.05	32.78
1520	Shell-Thick	SLU-STATICA	-1.3193	12.8452	-2.05	32.69
1520	Shell-Thick	SLU-STATICA	-3.1389	7.9477	-2.14	32.69
1520	Shell-Thick	SLU-SISMICA	-4.2005	15.7299	6.890E-02	48.86
1520	Shell-Thick	SLU-SISMICA	-1.4999	23.0828	-4.784E-02	48.86
1520	Shell-Thick	SLU-SISMICA	-1.4918	23.4052	-4.784E-02	48.97
1520	Shell-Thick	SLU-SISMICA	-4.2118	16.0716	6.890E-02	48.97
1520	Shell-Thick	SLE-RARA	-2.5657	5.3598	-1.73	24.04
1520	Shell-Thick	SLE-RARA	-1.2584	8.9761	-1.65	24.04
1520	Shell-Thick	SLE-RARA	-0.9911	9.2072	-1.65	23.96
1520	Shell-Thick	SLE-RARA	-2.3250	5.6176	-1.73	23.96
1520	Shell-Thick	SLE-FREQ.	-2.4396	4.5601	-1.87	22.13
1520	Shell-Thick	SLE-FREQ.	-1.2398	7.8883	-1.77	22.13
1520	Shell-Thick	SLE-FREQ.	-0.9525	8.1123	-1.77	22.03
1520	Shell-Thick	SLE-FREQ.	-2.1795	4.8114	-1.87	22.03
1520	Shell-Thick	SLE-QP	-2.0614	2.1612	-2.29	16.39
1520	Shell-Thick	SLE-QP	-1.1840	4.6249	-2.15	16.39
1520	Shell-Thick	SLE-QP	-0.8367	4.8277	-2.15	16.24
1520	Shell-Thick	SLE-QP	-1.7431	2.3930	-2.29	16.24
1521	Shell-Thick	SLU-STATICA	-3.1727	7.9794	-2.45	32.73
1521	Shell-Thick	SLU-STATICA	-0.9967	12.8713	-2.28	32.73
1521	Shell-Thick	SLU-STATICA	-0.7003	13.1761	-2.28	32.58
1521	Shell-Thick	SLU-STATICA	-2.8465	8.2643	-2.45	32.58
1521	Shell-Thick	SLU-SISMICA	-3.9968	16.1741	-0.63	49.04
1521	Shell-Thick	SLU-SISMICA	-0.6894	23.5062	-0.63	49.04
1521	Shell-Thick	SLU-SISMICA	-0.6493	23.8512	-0.63	49.04
1521	Shell-Thick	SLU-SISMICA	-3.8708	16.4613	-0.63	49.04
1521	Shell-Thick	SLE-RARA	-2.3630	5.6380	-1.95	23.99
1521	Shell-Thick	SLE-RARA	-0.7705	9.2232	-1.81	23.99
1521	Shell-Thick	SLE-RARA	-0.5332	9.4522	-1.81	23.87

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1521	Shell-Thick	SLE-RARA	-2.1059	5.8537	-1.95	23.87
1521	Shell-Thick	SLE-FREQ.	-2.2370	4.8256	-2.05	22.06
1521	Shell-Thick	SLE-FREQ.	-0.7768	8.1218	-1.90	22.06
1521	Shell-Thick	SLE-FREQ.	-0.5242	8.3418	-1.90	21.93
1521	Shell-Thick	SLE-FREQ.	-1.9698	5.0358	-2.05	21.93
1521	Shell-Thick	SLE-QP	-1.8591	2.3882	-2.35	16.26
1521	Shell-Thick	SLE-QP	-0.7955	4.8176	-2.17	16.26
1521	Shell-Thick	SLE-QP	-0.4973	5.0107	-2.17	16.11
1521	Shell-Thick	SLE-QP	-1.5615	2.5818	-2.35	16.11
1522	Shell-Thick	SLU-STATICA	-2.5465	8.2910	-2.53	32.54
1522	Shell-Thick	SLU-STATICA	-0.8723	13.1749	-2.33	32.54
1522	Shell-Thick	SLU-STATICA	-0.5763	13.3765	-2.33	32.40
1522	Shell-Thick	SLU-STATICA	-2.3092	8.5146	-2.53	32.40
1522	Shell-Thick	SLU-SISMICA	-3.2065	16.5482	-1.03	48.99
1522	Shell-Thick	SLU-SISMICA	-0.6169	23.9037	-0.98	48.99
1522	Shell-Thick	SLU-SISMICA	-0.4891	24.1224	-0.98	48.95
1522	Shell-Thick	SLU-SISMICA	-3.1140	16.7800	-1.03	48.95
1522	Shell-Thick	SLE-RARA	-1.8967	5.8710	-1.99	23.84
1522	Shell-Thick	SLE-RARA	-0.6737	9.4486	-1.84	23.84
1522	Shell-Thick	SLE-RARA	-0.4410	9.6005	-1.84	23.73
1522	Shell-Thick	SLE-RARA	-1.7097	6.0400	-1.99	23.73
1522	Shell-Thick	SLE-FREQ.	-1.7957	5.0477	-2.07	21.90
1522	Shell-Thick	SLE-FREQ.	-0.6780	8.3339	-1.90	21.90
1522	Shell-Thick	SLE-FREQ.	-0.4373	8.4807	-1.90	21.78
1522	Shell-Thick	SLE-FREQ.	-1.6014	5.2118	-2.07	21.78
1522	Shell-Thick	SLE-QP	-1.4926	2.5776	-2.29	16.08
1522	Shell-Thick	SLE-QP	-0.6912	4.9899	-2.10	16.08
1522	Shell-Thick	SLE-QP	-0.4262	5.1212	-2.10	15.94
1522	Shell-Thick	SLE-QP	-1.2765	2.7273	-2.29	15.94
1523	Shell-Thick	SLU-STATICA	-2.4364	8.5243	-2.60	32.44
1523	Shell-Thick	SLU-STATICA	-0.4181	13.3730	-2.35	32.44
1523	Shell-Thick	SLU-STATICA	-0.1623	13.5875	-2.35	32.26
1523	Shell-Thick	SLU-STATICA	-2.1500	8.7276	-2.60	32.26
1523	Shell-Thick	SLU-SISMICA	-3.1045	16.8368	-1.37	49.02
1523	Shell-Thick	SLU-SISMICA	0.0048	24.1663	-1.23	49.02
1523	Shell-Thick	SLU-SISMICA	0.0965	24.4123	-1.23	48.92
1523	Shell-Thick	SLU-SISMICA	-2.9113	17.0449	-1.37	48.92
1523	Shell-Thick	SLE-RARA	-1.8129	6.0451	-2.03	23.75
1523	Shell-Thick	SLE-RARA	-0.3379	9.5955	-1.84	23.75
1523	Shell-Thick	SLE-RARA	-0.1359	9.7564	-1.84	23.61
1523	Shell-Thick	SLE-RARA	-1.5912	6.1988	-2.03	23.61
1523	Shell-Thick	SLE-FREQ.	-1.7133	5.2129	-2.08	21.81
1523	Shell-Thick	SLE-FREQ.	-0.3643	8.4718	-1.88	21.81
1523	Shell-Thick	SLE-FREQ.	-0.1538	8.6263	-1.88	21.66
1523	Shell-Thick	SLE-FREQ.	-1.4894	5.3624	-2.08	21.66
1523	Shell-Thick	SLE-QP	-1.4145	2.7164	-2.24	15.96
1523	Shell-Thick	SLE-QP	-0.4436	5.1010	-2.02	15.96
1523	Shell-Thick	SLE-QP	-0.2076	5.2358	-2.02	15.80
1523	Shell-Thick	SLE-QP	-1.1840	2.8533	-2.24	15.80
1524	Shell-Thick	SLU-STATICA	-2.0392	8.7332	-2.68	32.24
1524	Shell-Thick	SLU-STATICA	-0.3509	13.5663	-2.39	32.24
1524	Shell-Thick	SLU-STATICA	0.0450	13.7951	-2.39	31.94
1524	Shell-Thick	SLU-STATICA	-1.6748	8.9937	-2.68	31.94
1524	Shell-Thick	SLU-SISMICA	-2.5136	17.1046	-1.72	48.90
1524	Shell-Thick	SLU-SISMICA	0.1160	24.4360	-1.52	48.90
1524	Shell-Thick	SLU-SISMICA	0.3651	24.6960	-1.52	48.70
1524	Shell-Thick	SLU-SISMICA	-2.2759	17.3761	-1.72	48.70
1524	Shell-Thick	SLE-RARA	-1.5215	6.2004	-2.08	23.60
1524	Shell-Thick	SLE-RARA	-0.2892	9.7382	-1.85	23.60
1524	Shell-Thick	SLE-RARA	0.0182	9.9099	-1.85	23.37
1524	Shell-Thick	SLE-RARA	-1.2391	6.3973	-2.08	23.37
1524	Shell-Thick	SLE-FREQ.	-1.4450	5.3595	-2.11	21.64
1524	Shell-Thick	SLE-FREQ.	-0.3204	8.6048	-1.88	21.64
1524	Shell-Thick	SLE-FREQ.	-0.0086	8.7697	-1.88	21.42
1524	Shell-Thick	SLE-FREQ.	-1.1592	5.5506	-2.11	21.42
1524	Shell-Thick	SLE-QP	-1.2155	2.8369	-2.19	15.79
1524	Shell-Thick	SLE-QP	-0.4142	5.2046	-1.95	15.79
1524	Shell-Thick	SLE-QP	-0.0888	5.3491	-1.95	15.56
1524	Shell-Thick	SLE-QP	-0.9193	3.0108	-2.19	15.56

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1525	Shell-Thick	SLU-STATICA	-1.8049	8.9889	-2.79	31.96
1525	Shell-Thick	SLU-STATICA	-0.0152	13.7618	-2.45	31.96
1525	Shell-Thick	SLU-STATICA	0.3776	13.9682	-2.45	31.63
1525	Shell-Thick	SLU-STATICA	-1.4112	9.1947	-2.79	31.63
1525	Shell-Thick	SLU-SISMICA	-2.1894	17.4294	-2.11	48.74
1525	Shell-Thick	SLU-SISMICA	0.5962	24.7063	-1.84	48.74
1525	Shell-Thick	SLU-SISMICA	0.8731	24.9459	-1.84	48.46
1525	Shell-Thick	SLU-SISMICA	-1.8735	17.6300	-2.11	48.46
1525	Shell-Thick	SLE-RARA	-1.3485	6.3907	-2.15	23.39
1525	Shell-Thick	SLE-RARA	-0.0420	9.8826	-1.89	23.39
1525	Shell-Thick	SLE-RARA	0.2615	10.0373	-1.89	23.12
1525	Shell-Thick	SLE-RARA	-1.0463	6.5469	-2.15	23.12
1525	Shell-Thick	SLE-FREQ.	-1.2837	5.5395	-2.15	21.43
1525	Shell-Thick	SLE-FREQ.	-0.0912	8.7395	-1.89	21.43
1525	Shell-Thick	SLE-FREQ.	0.2143	8.8877	-1.89	21.17
1525	Shell-Thick	SLE-FREQ.	-0.9825	5.6922	-2.15	21.17
1525	Shell-Thick	SLE-QP	-1.0891	2.9858	-2.16	15.56
1525	Shell-Thick	SLE-QP	-0.2388	5.3101	-1.90	15.56
1525	Shell-Thick	SLE-QP	0.0728	5.4387	-1.90	15.31
1525	Shell-Thick	SLE-QP	-0.7911	3.1282	-2.16	15.31
1526	Shell-Thick	SLU-STATICA	-1.4726	9.1794	-2.92	31.62
1526	Shell-Thick	SLU-STATICA	0.1150	13.9186	-2.55	31.62
1526	Shell-Thick	SLU-STATICA	0.5452	14.0754	-2.55	31.25
1526	Shell-Thick	SLU-STATICA	-1.0818	9.3759	-2.92	31.25
1526	Shell-Thick	SLU-SISMICA	-1.7018	17.6666	-2.48	48.47
1526	Shell-Thick	SLU-SISMICA	0.8009	24.9293	-2.16	48.47
1526	Shell-Thick	SLU-SISMICA	1.1603	25.1087	-2.16	48.14
1526	Shell-Thick	SLU-SISMICA	-1.3646	17.8684	-2.48	48.14
1526	Shell-Thick	SLE-RARA	-1.1044	6.5328	-2.23	23.12
1526	Shell-Thick	SLE-RARA	0.0529	9.9981	-1.95	23.12
1526	Shell-Thick	SLE-RARA	0.3825	10.1158	-1.95	22.84
1526	Shell-Thick	SLE-RARA	-0.8056	6.6813	-2.23	22.84
1526	Shell-Thick	SLE-FREQ.	-1.0584	5.6742	-2.21	21.17
1526	Shell-Thick	SLE-FREQ.	-0.0047	8.8467	-1.94	21.17
1526	Shell-Thick	SLE-FREQ.	0.3225	8.9596	-1.94	20.89
1526	Shell-Thick	SLE-FREQ.	-0.7625	5.8187	-2.21	20.89
1526	Shell-Thick	SLE-QP	-0.9202	3.0985	-2.16	15.30
1526	Shell-Thick	SLE-QP	-0.1778	5.3925	-1.89	15.30
1526	Shell-Thick	SLE-QP	0.1426	5.4912	-1.89	15.04
1526	Shell-Thick	SLE-QP	-0.6332	3.2307	-2.16	15.04
1527	Shell-Thick	SLU-STATICA	-1.3068	9.3459	-3.08	31.27
1527	Shell-Thick	SLU-STATICA	0.3213	14.0156	-2.68	31.27
1527	Shell-Thick	SLU-STATICA	0.7596	14.1407	-2.68	30.86
1527	Shell-Thick	SLU-STATICA	-0.8804	9.4833	-3.08	30.86
1527	Shell-Thick	SLU-SISMICA	-1.4338	17.8824	-2.86	48.17
1527	Shell-Thick	SLU-SISMICA	1.1262	25.0741	-2.47	48.17
1527	Shell-Thick	SLU-SISMICA	1.5161	25.2115	-2.47	47.77
1527	Shell-Thick	SLU-SISMICA	-1.0231	17.9994	-2.86	47.77
1527	Shell-Thick	SLE-RARA	-0.9839	6.6565	-2.35	22.85
1527	Shell-Thick	SLE-RARA	0.2034	10.0692	-2.04	22.85
1527	Shell-Thick	SLE-RARA	0.5379	10.1634	-2.04	22.54
1527	Shell-Thick	SLE-RARA	-0.6600	6.7615	-2.35	22.54
1527	Shell-Thick	SLE-FREQ.	-0.9492	5.7908	-2.31	20.90
1527	Shell-Thick	SLE-FREQ.	0.1322	8.9121	-2.01	20.90
1527	Shell-Thick	SLE-FREQ.	0.4625	9.0030	-2.01	20.60
1527	Shell-Thick	SLE-FREQ.	-0.6320	5.8950	-2.31	20.60
1527	Shell-Thick	SLE-QP	-0.8451	3.1938	-2.19	15.04
1527	Shell-Thick	SLE-QP	-0.0813	5.4409	-1.91	15.04
1527	Shell-Thick	SLE-QP	0.2362	5.5218	-1.91	14.76
1527	Shell-Thick	SLE-QP	-0.5480	3.2952	-2.19	14.76
1528	Shell-Thick	SLU-STATICA	-1.1044	9.4404	-3.29	30.86
1528	Shell-Thick	SLU-STATICA	0.3946	14.0658	-2.85	30.86
1528	Shell-Thick	SLU-STATICA	0.8799	14.1656	-2.85	30.43
1528	Shell-Thick	SLU-STATICA	-0.6685	9.5901	-3.29	30.43
1528	Shell-Thick	SLU-SISMICA	-1.1090	17.9931	-3.26	47.79
1528	Shell-Thick	SLU-SISMICA	1.2744	25.1522	-2.81	47.79
1528	Shell-Thick	SLU-SISMICA	1.7490	25.2595	-2.81	47.34
1528	Shell-Thick	SLU-SISMICA	-0.6717	18.1378	-3.26	47.34
1528	Shell-Thick	SLE-RARA	-0.8366	6.7272	-2.49	22.54

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1528	Shell-Thick	SLE-RARA	0.2551	10.1058	-2.16	22.54
1528	Shell-Thick	SLE-RARA	0.6234	10.1811	-2.16	22.21
1528	Shell-Thick	SLE-RARA	-0.5064	6.8409	-2.49	22.21
1528	Shell-Thick	SLE-FREQ.	-0.8156	5.8585	-2.43	20.59
1528	Shell-Thick	SLE-FREQ.	0.1765	8.9455	-2.11	20.59
1528	Shell-Thick	SLE-FREQ.	0.5367	9.0184	-2.11	20.28
1528	Shell-Thick	SLE-FREQ.	-0.4937	5.9698	-2.43	20.28
1528	Shell-Thick	SLE-QP	-0.7526	3.2523	-2.25	14.75
1528	Shell-Thick	SLE-QP	-0.0593	5.4647	-1.96	14.75
1528	Shell-Thick	SLE-QP	0.2763	5.5302	-1.96	14.46
1528	Shell-Thick	SLE-QP	-0.4554	3.3564	-2.25	14.46
1529	Shell-Thick	SLU-STATICA	-1.0013	9.5328	-3.53	30.44
1529	Shell-Thick	SLU-STATICA	0.4911	14.0786	-3.06	30.44
1529	Shell-Thick	SLU-STATICA	0.9983	14.1418	-3.06	29.96
1529	Shell-Thick	SLU-STATICA	-0.5182	9.6203	-3.53	29.96
1529	Shell-Thick	SLU-SISMICA	-0.9112	18.1101	-3.69	47.36
1529	Shell-Thick	SLU-SISMICA	1.4539	25.1803	-3.17	47.36
1529	Shell-Thick	SLU-SISMICA	1.9673	25.2281	-3.17	46.85
1529	Shell-Thick	SLU-SISMICA	-0.3947	18.1553	-3.69	46.85
1529	Shell-Thick	SLE-RARA	-0.7632	6.7960	-2.67	22.22
1529	Shell-Thick	SLE-RARA	0.3242	10.1148	-2.31	22.22
1529	Shell-Thick	SLE-RARA	0.7082	10.1634	-2.31	21.86
1529	Shell-Thick	SLE-RARA	-0.3988	6.8644	-2.67	21.86
1529	Shell-Thick	SLE-FREQ.	-0.7518	5.9236	-2.59	20.28
1529	Shell-Thick	SLE-FREQ.	0.2371	8.9530	-2.25	20.28
1529	Shell-Thick	SLE-FREQ.	0.6111	9.0017	-2.25	19.94
1529	Shell-Thick	SLE-FREQ.	-0.3991	5.9938	-2.59	19.94
1529	Shell-Thick	SLE-QP	-0.7176	3.3062	-2.36	14.46
1529	Shell-Thick	SLE-QP	-0.0243	5.4678	-2.05	14.46
1529	Shell-Thick	SLE-QP	0.3198	5.5166	-2.05	14.16
1529	Shell-Thick	SLE-QP	-0.4000	3.3817	-2.36	14.16
1530	Shell-Thick	SLU-STATICA	-0.9098	9.5481	-3.84	29.97
1530	Shell-Thick	SLU-STATICA	0.5164	14.0392	-3.34	29.97
1530	Shell-Thick	SLU-STATICA	1.0856	14.1067	-3.34	29.46
1530	Shell-Thick	SLU-STATICA	-0.4007	9.6760	-3.84	29.46
1530	Shell-Thick	SLU-SISMICA	-0.7384	18.1053	-4.16	46.87
1530	Shell-Thick	SLU-SISMICA	1.5444	25.1249	-3.59	46.87
1530	Shell-Thick	SLU-SISMICA	2.1530	25.1799	-3.59	46.29
1530	Shell-Thick	SLU-SISMICA	-0.1828	18.2137	-4.16	46.29
1530	Shell-Thick	SLE-RARA	-0.6980	6.8087	-2.90	21.87
1530	Shell-Thick	SLE-RARA	0.3401	10.0857	-2.52	21.87
1530	Shell-Thick	SLE-RARA	0.7694	10.1375	-2.52	21.49
1530	Shell-Thick	SLE-RARA	-0.3145	6.9065	-2.90	21.49
1530	Shell-Thick	SLE-FREQ.	-0.6948	5.9375	-2.80	19.94
1530	Shell-Thick	SLE-FREQ.	0.2472	8.9260	-2.43	19.94
1530	Shell-Thick	SLE-FREQ.	0.6627	8.9775	-2.43	19.57
1530	Shell-Thick	SLE-FREQ.	-0.3246	6.0346	-2.80	19.57
1530	Shell-Thick	SLE-QP	-0.6855	3.3242	-2.51	14.15
1530	Shell-Thick	SLE-QP	-0.0314	5.4469	-2.19	14.15
1530	Shell-Thick	SLE-QP	0.3426	5.4976	-2.19	13.83
1530	Shell-Thick	SLE-QP	-0.3551	3.4188	-2.51	13.83
1531	Shell-Thick	SLU-STATICA	-0.8541	9.5903	-4.22	29.46
1531	Shell-Thick	SLU-STATICA	0.5242	13.9894	-3.67	29.46
1531	Shell-Thick	SLU-STATICA	1.1330	14.0140	-3.67	28.92
1531	Shell-Thick	SLU-STATICA	-0.2791	9.6490	-4.22	28.92
1531	Shell-Thick	SLU-SISMICA	-0.6017	18.1447	-4.69	46.31
1531	Shell-Thick	SLU-SISMICA	1.5974	25.0540	-4.05	46.31
1531	Shell-Thick	SLU-SISMICA	2.2589	25.0295	-4.05	45.66
1531	Shell-Thick	SLU-SISMICA	0.0486	18.1319	-4.69	45.66
1531	Shell-Thick	SLE-RARA	-0.6598	6.8407	-3.17	21.49
1531	Shell-Thick	SLE-RARA	0.3438	10.0491	-2.76	21.49
1531	Shell-Thick	SLE-RARA	0.8024	10.0701	-2.76	21.08
1531	Shell-Thick	SLE-RARA	-0.2278	6.8888	-3.17	21.08
1531	Shell-Thick	SLE-FREQ.	-0.6643	5.9690	-3.05	19.57
1531	Shell-Thick	SLE-FREQ.	0.2471	8.8920	-2.66	19.57
1531	Shell-Thick	SLE-FREQ.	0.6901	8.9166	-2.66	19.18
1531	Shell-Thick	SLE-FREQ.	-0.2492	6.0218	-3.05	19.18
1531	Shell-Thick	SLE-QP	-0.6777	3.3540	-2.70	13.83
1531	Shell-Thick	SLE-QP	-0.0429	5.4208	-2.36	13.83

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1531	Shell-Thick	SLE-QP	0.3531	5.4559	-2.36	13.49
1531	Shell-Thick	SLE-QP	-0.3131	3.4209	-2.70	13.49
1532	Shell-Thick	SLU-STATICA	-0.8449	9.5471	-4.68	28.92
1532	Shell-Thick	SLU-STATICA	0.5185	13.8800	-4.09	28.92
1532	Shell-Thick	SLU-STATICA	1.2112	13.9443	-4.09	28.33
1532	Shell-Thick	SLU-STATICA	-0.2215	9.6811	-4.68	28.33
1532	Shell-Thick	SLU-SISMICA	-0.5517	18.0397	-5.31	45.69
1532	Shell-Thick	SLU-SISMICA	1.6444	24.8788	-4.59	45.69
1532	Shell-Thick	SLU-SISMICA	2.4210	24.9081	-4.59	44.97
1532	Shell-Thick	SLU-SISMICA	0.1578	18.1366	-5.31	44.97
1532	Shell-Thick	SLE-RARA	-0.6548	6.8111	-3.51	21.08
1532	Shell-Thick	SLE-RARA	0.3368	9.9694	-3.07	21.08
1532	Shell-Thick	SLE-RARA	0.8575	10.0199	-3.07	20.64
1532	Shell-Thick	SLE-RARA	-0.1868	6.9145	-3.51	20.64
1532	Shell-Thick	SLE-FREQ.	-0.6628	5.9452	-3.38	19.18
1532	Shell-Thick	SLE-FREQ.	0.2360	8.8197	-2.96	19.18
1532	Shell-Thick	SLE-FREQ.	0.7369	8.8718	-2.96	18.77
1532	Shell-Thick	SLE-FREQ.	-0.2133	6.0491	-3.38	18.77
1532	Shell-Thick	SLE-QP	-0.6867	3.3476	-2.96	13.49
1532	Shell-Thick	SLE-QP	-0.0665	5.3705	-2.60	13.49
1532	Shell-Thick	SLE-QP	0.3752	5.4276	-2.60	13.14
1532	Shell-Thick	SLE-QP	-0.2931	3.4530	-2.96	13.14
1533	Shell-Thick	SLU-STATICA	-0.8078	9.5668	-5.22	28.33
1533	Shell-Thick	SLU-STATICA	0.4677	13.7926	-4.58	28.33
1533	Shell-Thick	SLU-STATICA	1.2238	13.8037	-4.58	27.69
1533	Shell-Thick	SLU-STATICA	-0.0916	9.6184	-5.22	27.69
1533	Shell-Thick	SLU-SISMICA	-0.4473	18.0286	-6.00	44.98
1533	Shell-Thick	SLU-SISMICA	1.6037	24.7316	-5.19	44.98
1533	Shell-Thick	SLU-SISMICA	2.4536	24.6540	-5.19	44.18
1533	Shell-Thick	SLU-SISMICA	0.3826	17.9717	-6.00	44.18
1533	Shell-Thick	SLE-RARA	-0.6300	6.8276	-3.92	20.64
1533	Shell-Thick	SLE-RARA	0.2978	9.9062	-3.44	20.64
1533	Shell-Thick	SLE-RARA	0.8661	9.9190	-3.44	20.16
1533	Shell-Thick	SLE-RARA	-0.0930	6.8720	-3.92	20.16
1533	Shell-Thick	SLE-FREQ.	-0.6441	5.9638	-3.76	18.76
1533	Shell-Thick	SLE-FREQ.	0.1971	8.7630	-3.31	18.76
1533	Shell-Thick	SLE-FREQ.	0.7436	8.7828	-3.31	18.31
1533	Shell-Thick	SLE-FREQ.	-0.1297	6.0161	-3.76	18.31
1533	Shell-Thick	SLE-QP	-0.6864	3.3726	-3.28	13.13
1533	Shell-Thick	SLE-QP	-0.1051	5.3333	-2.90	13.13
1533	Shell-Thick	SLE-QP	0.3764	5.3740	-2.90	12.76
1533	Shell-Thick	SLE-QP	-0.2397	3.4483	-3.28	12.76
1534	Shell-Thick	SLU-STATICA	-0.8388	9.4871	-5.90	27.71
1534	Shell-Thick	SLU-STATICA	0.4620	13.6332	-5.20	27.71
1534	Shell-Thick	SLU-STATICA	1.3329	13.7265	-5.20	27.02
1534	Shell-Thick	SLU-STATICA	-0.0437	9.6566	-5.90	27.02
1534	Shell-Thick	SLU-SISMICA	-0.4747	17.8404	-6.82	44.22
1534	Shell-Thick	SLU-SISMICA	1.6378	24.4507	-5.92	44.22
1534	Shell-Thick	SLU-SISMICA	2.6324	24.4855	-5.92	43.32
1534	Shell-Thick	SLU-SISMICA	0.4427	17.9531	-6.82	43.32
1534	Shell-Thick	SLE-RARA	-0.6537	6.7725	-4.42	20.17
1534	Shell-Thick	SLE-RARA	0.2915	9.7915	-3.91	20.17
1534	Shell-Thick	SLE-RARA	0.9452	9.8650	-3.91	19.66
1534	Shell-Thick	SLE-RARA	-0.0573	6.9039	-4.42	19.66
1534	Shell-Thick	SLE-FREQ.	-0.6675	5.9191	-4.24	18.32
1534	Shell-Thick	SLE-FREQ.	0.1876	8.6610	-3.75	18.32
1534	Shell-Thick	SLE-FREQ.	0.8151	8.7376	-3.75	17.83
1534	Shell-Thick	SLE-FREQ.	-0.0959	6.0518	-4.24	17.83
1534	Shell-Thick	SLE-QP	-0.7089	3.3587	-3.68	12.76
1534	Shell-Thick	SLE-QP	-0.1238	5.2698	-3.29	12.76
1534	Shell-Thick	SLE-QP	0.4248	5.3553	-3.29	12.36
1534	Shell-Thick	SLE-QP	-0.2115	3.4957	-3.68	12.36
1535	Shell-Thick	SLU-STATICA	-0.7745	9.5150	-6.68	27.02
1535	Shell-Thick	SLU-STATICA	0.4005	13.5355	-5.92	27.02
1535	Shell-Thick	SLU-STATICA	1.3667	13.5513	-5.92	26.27
1535	Shell-Thick	SLU-STATICA	0.1504	9.5727	-6.68	26.27
1535	Shell-Thick	SLU-SISMICA	-0.3576	17.8100	-7.72	43.34
1535	Shell-Thick	SLU-SISMICA	1.5537	24.2528	-6.72	43.34
1535	Shell-Thick	SLU-SISMICA	2.6490	24.1319	-6.72	42.34

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1535	Shell-Thick	SLU-SISMICA	0.7160	17.7117	-7.72	42.34
1535	Shell-Thick	SLE-RARA	-0.6076	6.7966	-5.01	19.66
1535	Shell-Thick	SLE-RARA	0.2460	9.7224	-4.45	19.66
1535	Shell-Thick	SLE-RARA	0.9717	9.7412	-4.45	19.10
1535	Shell-Thick	SLE-RARA	0.0858	6.8481	-5.01	19.10
1535	Shell-Thick	SLE-FREQ.	-0.6269	5.9473	-4.80	17.83
1535	Shell-Thick	SLE-FREQ.	0.1452	8.6019	-4.27	17.83
1535	Shell-Thick	SLE-FREQ.	0.8424	8.6315	-4.27	17.31
1535	Shell-Thick	SLE-FREQ.	0.0372	6.0103	-4.80	17.31
1535	Shell-Thick	SLE-QP	-0.6848	3.3995	-4.17	12.36
1535	Shell-Thick	SLE-QP	-0.1573	5.2405	-3.75	12.36
1535	Shell-Thick	SLE-QP	0.4544	5.3024	-3.75	11.93
1535	Shell-Thick	SLE-QP	-0.1086	3.4972	-4.17	11.93
1536	Shell-Thick	SLU-STATICA	-0.6187	9.4467	-7.42	26.29
1536	Shell-Thick	SLU-STATICA	0.6173	13.3736	-6.64	26.29
1536	Shell-Thick	SLU-STATICA	1.3946	13.5089	-6.64	25.77
1536	Shell-Thick	SLU-STATICA	0.0080	9.6225	-7.42	25.77
1536	Shell-Thick	SLU-SISMICA	-0.2146	17.5808	-8.58	42.40
1536	Shell-Thick	SLU-SISMICA	1.8325	23.9133	-7.52	42.40
1536	Shell-Thick	SLU-SISMICA	2.7197	24.0161	-7.52	41.70
1536	Shell-Thick	SLU-SISMICA	0.5063	17.7284	-8.58	41.70
1536	Shell-Thick	SLE-RARA	-0.4889	6.7529	-5.56	19.12
1536	Shell-Thick	SLE-RARA	0.4072	9.6086	-4.98	19.12
1536	Shell-Thick	SLE-RARA	0.9907	9.7127	-4.98	18.74
1536	Shell-Thick	SLE-RARA	-0.0188	6.8875	-5.56	18.74
1536	Shell-Thick	SLE-FREQ.	-0.5101	5.9179	-5.33	17.33
1536	Shell-Thick	SLE-FREQ.	0.2973	8.5055	-4.79	17.33
1536	Shell-Thick	SLE-FREQ.	0.8574	8.6097	-4.79	16.97
1536	Shell-Thick	SLE-FREQ.	-0.0592	6.0515	-5.33	16.97
1536	Shell-Thick	SLE-QP	-0.5735	3.4130	-4.63	11.94
1536	Shell-Thick	SLE-QP	-0.0324	5.1962	-4.20	11.94
1536	Shell-Thick	SLE-QP	0.4574	5.3008	-4.20	11.65
1536	Shell-Thick	SLE-QP	-0.1807	3.5435	-4.63	11.65
1537	Shell-Thick	SLU-STATICA	-0.6560	9.4910	-8.11	25.77
1537	Shell-Thick	SLU-STATICA	0.4293	13.3145	-7.25	25.77
1537	Shell-Thick	SLU-STATICA	1.6014	13.3340	-7.25	24.91
1537	Shell-Thick	SLU-STATICA	0.4786	9.5485	-8.11	24.91
1537	Shell-Thick	SLU-SISMICA	-0.2294	17.5924	-9.40	41.71
1537	Shell-Thick	SLU-SISMICA	1.5605	23.7732	-8.22	41.71
1537	Shell-Thick	SLU-SISMICA	2.8912	23.6093	-8.22	40.52
1537	Shell-Thick	SLU-SISMICA	1.0853	17.4454	-9.40	40.52
1537	Shell-Thick	SLE-RARA	-0.5184	6.7880	-6.08	18.73
1537	Shell-Thick	SLE-RARA	0.2690	9.5678	-5.45	18.73
1537	Shell-Thick	SLE-RARA	1.1492	9.5917	-5.45	18.10
1537	Shell-Thick	SLE-RARA	0.3324	6.8418	-6.08	18.10
1537	Shell-Thick	SLE-FREQ.	-0.5406	5.9549	-5.83	16.96
1537	Shell-Thick	SLE-FREQ.	0.1694	8.4724	-5.23	16.96
1537	Shell-Thick	SLE-FREQ.	1.0149	8.5108	-5.23	16.37
1537	Shell-Thick	SLE-FREQ.	0.2744	6.0242	-5.83	16.37
1537	Shell-Thick	SLE-QP	-0.6075	3.4554	-5.06	11.65
1537	Shell-Thick	SLE-QP	-0.1294	5.1862	-4.59	11.65
1537	Shell-Thick	SLE-QP	0.6119	5.2680	-4.59	11.18
1537	Shell-Thick	SLE-QP	0.1002	3.5711	-5.06	11.18
1538	Shell-Thick	SLU-STATICA	-0.6028	9.3720	-8.88	24.95
1538	Shell-Thick	SLU-STATICA	0.5648	13.0869	-7.95	24.95
1538	Shell-Thick	SLU-STATICA	1.8659	13.2826	-7.95	24.02
1538	Shell-Thick	SLU-STATICA	0.6219	9.6448	-8.88	24.02
1538	Shell-Thick	SLU-SISMICA	-0.2345	17.2584	-10.39	40.61
1538	Shell-Thick	SLU-SISMICA	1.7096	23.2960	-9.07	40.61
1538	Shell-Thick	SLU-SISMICA	3.2099	23.3973	-9.07	39.29
1538	Shell-Thick	SLU-SISMICA	1.1860	17.4405	-10.39	39.29
1538	Shell-Thick	SLE-RARA	-0.4751	6.7086	-6.65	18.13
1538	Shell-Thick	SLE-RARA	0.3710	9.4078	-5.97	18.13
1538	Shell-Thick	SLE-RARA	1.3469	9.5608	-5.97	17.44
1538	Shell-Thick	SLE-RARA	0.4431	6.9198	-6.65	17.44
1538	Shell-Thick	SLE-FREQ.	-0.4937	5.8951	-6.36	16.40
1538	Shell-Thick	SLE-FREQ.	0.2677	8.3368	-5.73	16.40
1538	Shell-Thick	SLE-FREQ.	1.2032	8.4938	-5.73	15.76
1538	Shell-Thick	SLE-FREQ.	0.3858	6.1085	-6.36	15.76



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1538	Shell-Thick	SLE-QP	-0.5493	3.4545	-5.50	11.20
1538	Shell-Thick	SLE-QP	-0.0420	5.1239	-5.01	11.20
1538	Shell-Thick	SLE-QP	0.7722	5.2929	-5.01	10.70
1538	Shell-Thick	SLE-QP	0.2140	3.6747	-5.50	10.70
1539	Shell-Thick	SLU-STATICA	-0.3582	9.4673	-9.50	24.04
1539	Shell-Thick	SLU-STATICA	0.6213	13.0151	-8.50	24.04
1539	Shell-Thick	SLU-STATICA	1.9862	13.0104	-8.50	23.04
1539	Shell-Thick	SLU-STATICA	0.9799	9.4902	-9.50	23.04
1539	Shell-Thick	SLU-SISMICA	0.0533	17.2561	-11.24	39.34
1539	Shell-Thick	SLU-SISMICA	1.7025	23.0537	-9.79	39.34
1539	Shell-Thick	SLU-SISMICA	3.2815	22.8082	-9.79	37.89
1539	Shell-Thick	SLU-SISMICA	1.6316	17.0124	-11.24	37.89
1539	Shell-Thick	SLE-RARA	-0.2919	6.7857	-7.11	17.45
1539	Shell-Thick	SLE-RARA	0.4169	9.3619	-6.38	17.45
1539	Shell-Thick	SLE-RARA	1.4405	9.3703	-6.38	16.72
1539	Shell-Thick	SLE-RARA	0.7100	6.8163	-7.11	16.72
1539	Shell-Thick	SLE-FREQ.	-0.3186	5.9783	-6.80	15.77
1539	Shell-Thick	SLE-FREQ.	0.3178	8.3061	-6.11	15.77
1539	Shell-Thick	SLE-FREQ.	1.2985	8.3341	-6.11	15.09
1539	Shell-Thick	SLE-FREQ.	0.6390	6.0300	-6.80	15.09
1539	Shell-Thick	SLE-QP	-0.3984	3.5561	-5.84	10.71
1539	Shell-Thick	SLE-QP	0.0204	5.1386	-5.32	10.71
1539	Shell-Thick	SLE-QP	0.8726	5.2254	-5.32	10.19
1539	Shell-Thick	SLE-QP	0.4258	3.6713	-5.84	10.19
1540	Shell-Thick	SLU-STATICA	-0.2427	9.3015	-10.09	23.10
1540	Shell-Thick	SLU-STATICA	0.8287	12.7230	-9.01	23.10
1540	Shell-Thick	SLU-STATICA	2.2969	12.9428	-9.01	22.02
1540	Shell-Thick	SLU-STATICA	1.1574	9.5902	-10.09	22.02
1540	Shell-Thick	SLU-SISMICA	0.1147	16.8128	-12.12	38.01
1540	Shell-Thick	SLU-SISMICA	1.9312	22.4343	-10.53	38.01
1540	Shell-Thick	SLU-SISMICA	3.6658	22.5441	-10.53	36.41
1540	Shell-Thick	SLU-SISMICA	1.7800	16.9932	-12.12	36.41
1540	Shell-Thick	SLE-RARA	-0.2017	6.6739	-7.55	16.76
1540	Shell-Thick	SLE-RARA	0.5730	9.1569	-6.75	16.76
1540	Shell-Thick	SLE-RARA	1.6723	9.3289	-6.75	15.97
1540	Shell-Thick	SLE-RARA	0.8460	6.8980	-7.55	15.97
1540	Shell-Thick	SLE-FREQ.	-0.2261	5.8920	-7.19	15.12
1540	Shell-Thick	SLE-FREQ.	0.4683	8.1330	-6.46	15.12
1540	Shell-Thick	SLE-FREQ.	1.5185	8.3098	-6.46	14.39
1540	Shell-Thick	SLE-FREQ.	0.7740	6.1196	-7.19	14.39
1540	Shell-Thick	SLE-QP	-0.2993	3.5465	-6.14	10.21
1540	Shell-Thick	SLE-QP	0.1541	5.0614	-5.59	10.21
1540	Shell-Thick	SLE-QP	1.0574	5.2526	-5.59	9.66
1540	Shell-Thick	SLE-QP	0.5579	3.7842	-6.14	9.66
1541	Shell-Thick	SLU-STATICA	0.0764	9.4087	-10.53	22.06
1541	Shell-Thick	SLU-STATICA	0.9516	12.6391	-9.39	22.06
1541	Shell-Thick	SLU-STATICA	2.4515	12.5337	-9.39	20.91
1541	Shell-Thick	SLU-STATICA	1.5669	9.3135	-10.53	20.91
1541	Shell-Thick	SLU-SISMICA	0.5055	16.8073	-12.84	36.49
1541	Shell-Thick	SLU-SISMICA	2.0132	22.1445	-11.11	36.49
1541	Shell-Thick	SLU-SISMICA	3.7983	21.7168	-11.11	34.76
1541	Shell-Thick	SLU-SISMICA	2.3146	16.3570	-12.84	34.76
1541	Shell-Thick	SLE-RARA	0.0365	6.7607	-7.87	16.00
1541	Shell-Thick	SLE-RARA	0.6682	9.1035	-7.03	16.00
1541	Shell-Thick	SLE-RARA	1.7905	9.0397	-7.03	15.15
1541	Shell-Thick	SLE-RARA	1.1500	6.7063	-7.87	15.15
1541	Shell-Thick	SLE-FREQ.	3.225E-04	5.9860	-7.48	14.42
1541	Shell-Thick	SLE-FREQ.	0.5645	8.0979	-6.71	14.42
1541	Shell-Thick	SLE-FREQ.	1.6356	8.0622	-6.71	13.64
1541	Shell-Thick	SLE-FREQ.	1.0602	5.9621	-7.48	13.64
1541	Shell-Thick	SLE-QP	-0.1082	3.6618	-6.34	9.67
1541	Shell-Thick	SLE-QP	0.2533	5.0810	-5.77	9.67
1541	Shell-Thick	SLE-QP	1.1712	5.1295	-5.77	9.11
1541	Shell-Thick	SLE-QP	0.7908	3.7295	-6.34	9.11
1542	Shell-Thick	SLU-STATICA	0.2672	9.1272	-10.97	20.99
1542	Shell-Thick	SLU-STATICA	1.2131	12.2124	-9.73	20.99
1542	Shell-Thick	SLU-STATICA	2.7939	12.4032	-9.73	19.75
1542	Shell-Thick	SLU-STATICA	1.7949	9.3720	-10.97	19.75
1542	Shell-Thick	SLU-SISMICA	0.6871	16.1644	-13.61	34.92



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1542	Shell-Thick	SLU-SISMICA	2.3209	21.2884	-11.71	34.92
1542	Shell-Thick	SLU-SISMICA	4.2464	21.3457	-11.71	33.01
1542	Shell-Thick	SLU-SISMICA	2.5631	16.2726	-13.61	33.01
1542	Shell-Thick	SLE-RARA	0.1815	6.5654	-8.18	15.21
1542	Shell-Thick	SLE-RARA	0.8641	8.8016	-7.27	15.21
1542	Shell-Thick	SLE-RARA	2.0446	8.9528	-7.27	14.30
1542	Shell-Thick	SLE-RARA	1.3218	6.7577	-8.18	14.30
1542	Shell-Thick	SLE-FREQ.	0.1426	5.8252	-7.77	13.69
1542	Shell-Thick	SLE-FREQ.	0.7517	7.8387	-6.93	13.69
1542	Shell-Thick	SLE-FREQ.	1.8748	7.9972	-6.93	12.86
1542	Shell-Thick	SLE-FREQ.	1.2260	6.0240	-7.77	12.86
1542	Shell-Thick	SLE-QP	0.0256	3.6046	-6.51	9.14
1542	Shell-Thick	SLE-QP	0.4147	4.9500	-5.91	9.14
1542	Shell-Thick	SLE-QP	1.3655	5.1303	-5.91	8.53
1542	Shell-Thick	SLE-QP	0.9389	3.8229	-6.51	8.53
1543	Shell-Thick	SLU-STATICA	0.6541	9.2031	-11.23	19.82
1543	Shell-Thick	SLU-STATICA	1.4364	12.0725	-9.91	19.82
1543	Shell-Thick	SLU-STATICA	3.0163	11.7503	-9.91	18.50
1543	Shell-Thick	SLU-STATICA	2.2484	8.8675	-11.23	18.50
1543	Shell-Thick	SLU-SISMICA	1.1932	16.1076	-14.15	33.14
1543	Shell-Thick	SLU-SISMICA	2.5676	20.9009	-12.10	33.14
1543	Shell-Thick	SLU-SISMICA	4.5095	20.1295	-12.10	31.09
1543	Shell-Thick	SLU-SISMICA	3.1920	15.2808	-14.15	31.09
1543	Shell-Thick	SLE-RARA	0.4688	6.6295	-8.36	14.35
1543	Shell-Thick	SLE-RARA	1.0321	8.7080	-7.40	14.35
1543	Shell-Thick	SLE-RARA	2.2112	8.4862	-7.40	13.39
1543	Shell-Thick	SLE-RARA	1.6567	6.3997	-8.36	13.39
1543	Shell-Thick	SLE-FREQ.	0.4130	5.8986	-7.92	12.90
1543	Shell-Thick	SLE-FREQ.	0.9137	7.7677	-7.04	12.90
1543	Shell-Thick	SLE-FREQ.	2.0339	7.5884	-7.04	12.03
1543	Shell-Thick	SLE-FREQ.	1.5383	5.7149	-7.92	12.03
1543	Shell-Thick	SLE-QP	0.2454	3.7060	-6.58	8.56
1543	Shell-Thick	SLE-QP	0.5584	4.9470	-5.95	8.56
1543	Shell-Thick	SLE-QP	1.5022	4.8948	-5.95	7.93
1543	Shell-Thick	SLE-QP	1.1831	3.6603	-6.58	7.93
1544	Shell-Thick	SLU-STATICA	0.9887	8.7048	-11.52	18.60
1544	Shell-Thick	SLU-STATICA	1.7308	11.4040	-10.06	18.60
1544	Shell-Thick	SLU-STATICA	3.3661	11.4454	-10.06	17.15
1544	Shell-Thick	SLU-STATICA	2.5936	8.7776	-11.52	17.15
1544	Shell-Thick	SLU-SISMICA	1.6233	15.1240	-14.79	31.27
1544	Shell-Thick	SLU-SISMICA	2.9346	19.6576	-12.50	31.27
1544	Shell-Thick	SLU-SISMICA	4.9920	19.4939	-12.50	28.99
1544	Shell-Thick	SLU-SISMICA	3.6617	14.9810	-14.79	28.99
1544	Shell-Thick	SLE-RARA	0.7176	6.2761	-8.57	13.47
1544	Shell-Thick	SLE-RARA	1.2515	8.2300	-7.50	13.47
1544	Shell-Thick	SLE-RARA	2.4696	8.2716	-7.50	12.40
1544	Shell-Thick	SLE-RARA	1.9121	6.3421	-8.57	12.40
1544	Shell-Thick	SLE-FREQ.	0.6478	5.5938	-8.09	12.09
1544	Shell-Thick	SLE-FREQ.	1.1217	7.3488	-7.12	12.09
1544	Shell-Thick	SLE-FREQ.	2.2751	7.4062	-7.12	11.12
1544	Shell-Thick	SLE-FREQ.	1.7772	5.6759	-8.09	11.12
1544	Shell-Thick	SLE-QP	0.4382	3.5470	-6.65	7.97
1544	Shell-Thick	SLE-QP	0.7324	4.7052	-5.96	7.97
1544	Shell-Thick	SLE-QP	1.6915	4.8101	-5.96	7.29
1544	Shell-Thick	SLE-QP	1.3724	3.6774	-6.65	7.29
1545	Shell-Thick	SLU-STATICA	1.4549	8.6448	-11.55	17.26
1545	Shell-Thick	SLU-STATICA	2.1007	11.0974	-9.99	17.26
1545	Shell-Thick	SLU-STATICA	3.6962	10.3293	-9.99	15.69
1545	Shell-Thick	SLU-STATICA	3.0927	7.8357	-11.55	15.69
1545	Shell-Thick	SLU-SISMICA	2.2732	14.8683	-15.04	29.18
1545	Shell-Thick	SLU-SISMICA	3.4336	19.0173	-12.58	29.18
1545	Shell-Thick	SLU-SISMICA	5.4593	17.5641	-12.58	26.72
1545	Shell-Thick	SLU-SISMICA	4.3941	13.3217	-15.04	26.72
1545	Shell-Thick	SLE-RARA	1.0617	6.2404	-8.58	12.48
1545	Shell-Thick	SLE-RARA	1.5253	8.0143	-7.44	12.48
1545	Shell-Thick	SLE-RARA	2.7129	7.4664	-7.44	11.34
1545	Shell-Thick	SLE-RARA	2.2786	5.6641	-8.58	11.34
1545	Shell-Thick	SLE-FREQ.	0.9682	5.5751	-8.08	11.19
1545	Shell-Thick	SLE-FREQ.	1.3782	7.1659	-7.04	11.19

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1545	Shell-Thick	SLE-FREQ.	2.5011	6.6878	-7.04	10.15
1545	Shell-Thick	SLE-FREQ.	2.1155	5.0735	-8.08	10.15
1545	Shell-Thick	SLE-QP	0.6880	3.5792	-6.59	7.33
1545	Shell-Thick	SLE-QP	0.9367	4.6204	-5.85	7.33
1545	Shell-Thick	SLE-QP	1.8658	4.3518	-5.85	6.60
1545	Shell-Thick	SLE-QP	1.6261	3.3020	-6.59	6.60
1546	Shell-Thick	SLU-STATICA	2.1213	7.7226	-11.63	15.79
1546	Shell-Thick	SLU-STATICA	2.2199	9.9528	-9.76	15.79
1546	Shell-Thick	SLU-STATICA	3.8248	9.6848	-9.76	13.92
1546	Shell-Thick	SLU-STATICA	3.7273	7.4550	-11.63	13.92
1546	Shell-Thick	SLU-SISMICA	3.2623	13.2347	-15.40	26.88
1546	Shell-Thick	SLU-SISMICA	3.5428	17.0414	-12.50	26.88
1546	Shell-Thick	SLU-SISMICA	5.6250	16.4249	-12.50	23.98
1546	Shell-Thick	SLU-SISMICA	5.3687	12.5961	-15.40	23.98
1546	Shell-Thick	SLE-RARA	1.5506	5.5771	-8.62	11.41
1546	Shell-Thick	SLE-RARA	1.6162	7.1885	-7.26	11.41
1546	Shell-Thick	SLE-RARA	2.8085	7.0027	-7.26	10.05
1546	Shell-Thick	SLE-RARA	2.7425	5.3928	-8.62	10.05
1546	Shell-Thick	SLE-FREQ.	1.4186	4.9866	-8.10	10.22
1546	Shell-Thick	SLE-FREQ.	1.4676	6.4287	-6.86	10.22
1546	Shell-Thick	SLE-FREQ.	2.5913	6.2762	-6.86	8.98
1546	Shell-Thick	SLE-FREQ.	2.5400	4.8373	-8.10	8.98
1546	Shell-Thick	SLE-QP	1.0226	3.2151	-6.53	6.64
1546	Shell-Thick	SLE-QP	1.0219	4.1493	-5.65	6.64
1546	Shell-Thick	SLE-QP	1.9398	4.0964	-5.65	5.75
1546	Shell-Thick	SLE-QP	1.9325	3.1709	-6.53	5.75
1547	Shell-Thick	SLU-STATICA	2.2846	7.3304	-11.08	14.12
1547	Shell-Thick	SLU-STATICA	2.7477	9.3054	-9.23	14.12
1547	Shell-Thick	SLU-STATICA	4.0183	8.5281	-9.23	12.53
1547	Shell-Thick	SLU-STATICA	3.6340	6.5041	-11.08	12.53
1547	Shell-Thick	SLU-SISMICA	3.4318	12.4770	-14.81	24.29
1547	Shell-Thick	SLU-SISMICA	4.3085	15.8933	-11.97	24.29
1547	Shell-Thick	SLU-SISMICA	5.9607	14.4966	-11.97	21.86
1547	Shell-Thick	SLU-SISMICA	5.2356	10.9859	-14.81	21.86
1547	Shell-Thick	SLE-RARA	1.6740	5.2981	-8.21	10.19
1547	Shell-Thick	SLE-RARA	2.0043	6.7228	-6.86	10.19
1547	Shell-Thick	SLE-RARA	2.9480	6.1647	-6.86	9.03
1547	Shell-Thick	SLE-RARA	2.6738	4.7051	-8.21	9.03
1547	Shell-Thick	SLE-FREQ.	1.5385	4.7445	-7.70	9.10
1547	Shell-Thick	SLE-FREQ.	1.8266	6.0157	-6.46	9.10
1547	Shell-Thick	SLE-FREQ.	2.7157	5.5222	-6.46	8.04
1547	Shell-Thick	SLE-FREQ.	2.4762	4.2208	-7.70	8.04
1547	Shell-Thick	SLE-QP	1.1318	3.0837	-6.17	5.84
1547	Shell-Thick	SLE-QP	1.2936	3.8942	-5.28	5.84
1547	Shell-Thick	SLE-QP	2.0187	3.5947	-5.28	5.07
1547	Shell-Thick	SLE-QP	1.8836	2.7678	-6.17	5.07
1548	Shell-Thick	SLU-STATICA	2.7339	6.3979	-10.15	12.62
1548	Shell-Thick	SLU-STATICA	2.3394	8.1185	-8.32	12.62
1548	Shell-Thick	SLU-STATICA	3.9081	7.4422	-8.32	10.53
1548	Shell-Thick	SLU-STATICA	4.3269	5.6874	-10.15	10.53
1548	Shell-Thick	SLU-SISMICA	4.1966	10.8948	-13.72	22.00
1548	Shell-Thick	SLU-SISMICA	3.6807	13.9239	-10.95	22.00
1548	Shell-Thick	SLU-SISMICA	5.7667	12.6816	-10.95	18.84
1548	Shell-Thick	SLU-SISMICA	6.3347	9.5780	-13.72	18.84
1548	Shell-Thick	SLE-RARA	1.9987	4.6239	-7.51	9.09
1548	Shell-Thick	SLE-RARA	1.7059	5.8624	-6.17	9.09
1548	Shell-Thick	SLE-RARA	2.8687	5.3782	-6.17	7.56
1548	Shell-Thick	SLE-RARA	3.1786	4.1157	-7.51	7.56
1548	Shell-Thick	SLE-FREQ.	1.8292	4.1404	-7.03	8.10
1548	Shell-Thick	SLE-FREQ.	1.5536	5.2408	-5.80	8.10
1548	Shell-Thick	SLE-FREQ.	2.6452	4.8150	-5.80	6.69
1548	Shell-Thick	SLE-FREQ.	2.9352	3.6945	-7.03	6.69
1548	Shell-Thick	SLE-QP	1.3207	2.6897	-5.60	5.11
1548	Shell-Thick	SLE-QP	1.0967	3.3759	-4.70	5.11
1548	Shell-Thick	SLE-QP	1.9748	3.1254	-4.70	4.08
1548	Shell-Thick	SLE-QP	2.2051	2.4308	-5.60	4.08
1549	Shell-Thick	SLU-STATICA	2.6478	5.5366	-8.67	10.74
1549	Shell-Thick	SLU-STATICA	2.6926	7.0141	-7.22	10.74
1549	Shell-Thick	SLU-STATICA	3.8576	6.4889	-7.22	9.30

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1549	Shell-Thick	SLU-STATICA	3.8683	4.9569	-8.67	9.30
1549	Shell-Thick	SLU-SISMICA	4.0399	9.4123	-11.75	19.19
1549	Shell-Thick	SLU-SISMICA	4.2330	12.0816	-9.61	19.19
1549	Shell-Thick	SLU-SISMICA	5.7852	11.1279	-9.61	17.05
1549	Shell-Thick	SLU-SISMICA	5.6948	8.3576	-11.75	17.05
1549	Shell-Thick	SLE-RARA	1.9370	4.0022	-6.41	7.72
1549	Shell-Thick	SLE-RARA	1.9635	5.0624	-5.35	7.72
1549	Shell-Thick	SLE-RARA	2.8270	4.6858	-5.35	6.66
1549	Shell-Thick	SLE-RARA	2.8402	3.5866	-6.41	6.66
1549	Shell-Thick	SLE-FREQ.	1.7748	3.5850	-6.00	6.84
1549	Shell-Thick	SLE-FREQ.	1.7885	4.5211	-5.03	6.84
1549	Shell-Thick	SLE-FREQ.	2.5988	4.1890	-5.03	5.86
1549	Shell-Thick	SLE-FREQ.	2.6200	3.2187	-6.00	5.86
1549	Shell-Thick	SLE-QP	1.2883	2.3334	-4.77	4.18
1549	Shell-Thick	SLE-QP	1.2635	2.8973	-4.04	4.18
1549	Shell-Thick	SLE-QP	1.9145	2.6987	-4.04	3.46
1549	Shell-Thick	SLE-QP	1.9596	2.1150	-4.77	3.46
1550	Shell-Thick	SLU-STATICA	2.9913	4.8390	-7.16	9.37
1550	Shell-Thick	SLU-STATICA	2.4757	6.1551	-6.17	9.37
1550	Shell-Thick	SLU-STATICA	3.4588	5.5386	-6.17	8.38
1550	Shell-Thick	SLU-STATICA	4.0082	4.1894	-7.16	8.38
1550	Shell-Thick	SLU-SISMICA	4.6285	8.2308	-9.67	17.15
1550	Shell-Thick	SLU-SISMICA	3.9087	10.6661	-8.24	17.15
1550	Shell-Thick	SLU-SISMICA	5.2210	9.5933	-8.24	15.72
1550	Shell-Thick	SLU-SISMICA	6.0058	7.0939	-9.67	15.72
1550	Shell-Thick	SLE-RARA	2.1850	3.4977	-5.30	6.71
1550	Shell-Thick	SLE-RARA	1.8045	4.4392	-4.57	6.71
1550	Shell-Thick	SLE-RARA	2.5330	3.9948	-4.57	5.99
1550	Shell-Thick	SLE-RARA	2.9376	3.0298	-5.30	5.99
1550	Shell-Thick	SLE-FREQ.	1.9966	3.1327	-4.96	5.91
1550	Shell-Thick	SLE-FREQ.	1.6423	3.9590	-4.29	5.91
1550	Shell-Thick	SLE-FREQ.	2.3258	3.5631	-4.29	5.23
1550	Shell-Thick	SLE-FREQ.	2.7010	2.7164	-4.96	5.23
1550	Shell-Thick	SLE-QP	1.4313	2.0378	-3.95	3.49
1550	Shell-Thick	SLE-QP	1.1555	2.5184	-3.44	3.49
1550	Shell-Thick	SLE-QP	1.7039	2.2679	-3.44	2.98
1550	Shell-Thick	SLE-QP	1.9912	1.7762	-3.95	2.98
1551	Shell-Thick	SLU-STATICA	2.8892	4.0635	-5.94	8.50
1551	Shell-Thick	SLU-STATICA	2.5684	5.2626	-5.19	8.50
1551	Shell-Thick	SLU-STATICA	3.3836	4.9961	-5.19	7.74
1551	Shell-Thick	SLU-STATICA	3.7446	3.7572	-5.94	7.74
1551	Shell-Thick	SLU-SISMICA	4.4934	6.9448	-8.03	15.90
1551	Shell-Thick	SLU-SISMICA	4.0934	9.2143	-6.95	15.90
1551	Shell-Thick	SLU-SISMICA	5.1810	8.7294	-6.95	14.82
1551	Shell-Thick	SLU-SISMICA	5.6547	6.3869	-8.03	14.82
1551	Shell-Thick	SLE-RARA	2.1093	2.9355	-4.40	6.07
1551	Shell-Thick	SLE-RARA	1.8702	3.7908	-3.84	6.07
1551	Shell-Thick	SLE-RARA	2.4743	3.5997	-3.84	5.51
1551	Shell-Thick	SLE-RARA	2.7423	2.7160	-4.40	5.51
1551	Shell-Thick	SLE-FREQ.	1.9255	2.6263	-4.12	5.31
1551	Shell-Thick	SLE-FREQ.	1.6988	3.3726	-3.60	5.31
1551	Shell-Thick	SLE-FREQ.	2.2656	3.2041	-3.60	4.80
1551	Shell-Thick	SLE-FREQ.	2.5177	2.4329	-4.12	4.80
1551	Shell-Thick	SLE-QP	1.3739	1.6988	-3.28	3.04
1551	Shell-Thick	SLE-QP	1.1844	2.1179	-2.88	3.04
1551	Shell-Thick	SLE-QP	1.6395	2.0174	-2.88	2.64
1551	Shell-Thick	SLE-QP	1.8439	1.5837	-3.28	2.64
1552	Shell-Thick	SLU-STATICA	2.8555	3.6326	-4.89	7.81
1552	Shell-Thick	SLU-STATICA	2.4112	4.7484	-4.32	7.81
1552	Shell-Thick	SLU-STATICA	3.0890	4.4157	-4.32	7.24
1552	Shell-Thick	SLU-STATICA	3.5601	3.2735	-4.89	7.24
1552	Shell-Thick	SLU-SISMICA	4.4717	6.2318	-6.60	14.92
1552	Shell-Thick	SLU-SISMICA	3.8709	8.3859	-5.79	14.92
1552	Shell-Thick	SLU-SISMICA	4.7757	7.8075	-5.79	14.11
1552	Shell-Thick	SLU-SISMICA	5.4267	5.6036	-6.60	14.11
1552	Shell-Thick	SLE-RARA	2.0832	2.6230	-3.62	5.56
1552	Shell-Thick	SLE-RARA	1.7543	3.4168	-3.20	5.56
1552	Shell-Thick	SLE-RARA	2.2566	3.1769	-3.20	5.14
1552	Shell-Thick	SLE-RARA	2.6046	2.3644	-3.62	5.14

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1552	Shell-Thick	SLE-FREQ.	1.8990	2.3448	-3.39	4.84
1552	Shell-Thick	SLE-FREQ.	1.5911	3.0336	-3.00	4.84
1552	Shell-Thick	SLE-FREQ.	2.0624	2.8198	-3.00	4.45
1552	Shell-Thick	SLE-FREQ.	2.3870	2.1146	-3.39	4.45
1552	Shell-Thick	SLE-QP	1.3465	1.5099	-2.70	2.67
1552	Shell-Thick	SLE-QP	1.1014	1.8841	-2.40	2.67
1552	Shell-Thick	SLE-QP	1.4796	1.7486	-2.40	2.37
1552	Shell-Thick	SLE-QP	1.7341	1.3652	-2.70	2.37
1553	Shell-Thick	SLU-STATICA	2.6532	3.1552	-4.05	7.31
1553	Shell-Thick	SLU-STATICA	2.3453	4.2039	-3.59	7.31
1553	Shell-Thick	SLU-STATICA	2.9050	4.0521	-3.59	6.85
1553	Shell-Thick	SLU-STATICA	3.2415	2.9750	-4.05	6.85
1553	Shell-Thick	SLU-SISMICA	4.1743	5.4513	-5.47	14.23
1553	Shell-Thick	SLU-SISMICA	3.7947	7.5131	-4.82	14.23
1553	Shell-Thick	SLU-SISMICA	4.5413	7.2402	-4.82	13.58
1553	Shell-Thick	SLU-SISMICA	4.9731	5.1267	-5.47	13.58
1553	Shell-Thick	SLE-RARA	1.9346	2.2764	-3.00	5.19
1553	Shell-Thick	SLE-RARA	1.7049	3.0206	-2.66	5.19
1553	Shell-Thick	SLE-RARA	2.1197	2.9116	-2.66	4.86
1553	Shell-Thick	SLE-RARA	2.3700	2.1471	-3.00	4.86
1553	Shell-Thick	SLE-FREQ.	1.7619	2.0316	-2.81	4.50
1553	Shell-Thick	SLE-FREQ.	1.5438	2.6741	-2.49	4.50
1553	Shell-Thick	SLE-FREQ.	1.9330	2.5778	-2.49	4.18
1553	Shell-Thick	SLE-FREQ.	2.1692	1.9173	-2.81	4.18
1553	Shell-Thick	SLE-QP	1.2438	1.2971	-2.24	2.41
1553	Shell-Thick	SLE-QP	1.0603	1.6348	-1.99	2.41
1553	Shell-Thick	SLE-QP	1.3728	1.5764	-1.99	2.16
1553	Shell-Thick	SLE-QP	1.5670	1.2280	-2.24	2.16
1554	Shell-Thick	SLU-STATICA	2.4937	2.8649	-3.33	6.90
1554	Shell-Thick	SLU-STATICA	2.1583	3.8633	-2.97	6.90
1554	Shell-Thick	SLU-STATICA	2.6216	3.6503	-2.97	6.53
1554	Shell-Thick	SLU-STATICA	2.9767	2.6326	-3.33	6.53
1554	Shell-Thick	SLU-SISMICA	3.9441	4.9813	-4.49	13.66
1554	Shell-Thick	SLU-SISMICA	3.5183	6.9752	-3.99	13.66
1554	Shell-Thick	SLU-SISMICA	4.1365	6.6099	-3.99	13.15
1554	Shell-Thick	SLU-SISMICA	4.5987	4.5799	-4.49	13.15
1554	Shell-Thick	SLE-RARA	1.8173	2.0654	-2.47	4.89
1554	Shell-Thick	SLE-RARA	1.5676	2.7723	-2.20	4.89
1554	Shell-Thick	SLE-RARA	1.9110	2.6185	-2.20	4.62
1554	Shell-Thick	SLE-RARA	2.1747	1.8978	-2.47	4.62
1554	Shell-Thick	SLE-FREQ.	1.6533	1.8405	-2.31	4.21
1554	Shell-Thick	SLE-FREQ.	1.4172	2.4482	-2.06	4.21
1554	Shell-Thick	SLE-FREQ.	1.7394	2.3108	-2.06	3.96
1554	Shell-Thick	SLE-FREQ.	1.9878	1.6910	-2.31	3.96
1554	Shell-Thick	SLE-QP	1.1613	1.1660	-1.84	2.19
1554	Shell-Thick	SLE-QP	0.9660	1.4759	-1.65	2.19
1554	Shell-Thick	SLE-QP	1.2246	1.3874	-1.65	1.99
1554	Shell-Thick	SLE-QP	1.4270	1.0705	-1.84	1.99
1555	Shell-Thick	SLU-STATICA	2.2619	2.5320	-2.76	6.58
1555	Shell-Thick	SLU-STATICA	2.0213	3.4879	-2.46	6.58
1555	Shell-Thick	SLU-STATICA	2.4026	3.3823	-2.46	6.28
1555	Shell-Thick	SLU-STATICA	2.6631	2.4068	-2.76	6.28
1555	Shell-Thick	SLU-SISMICA	3.5930	4.4444	-3.72	13.23
1555	Shell-Thick	SLU-SISMICA	3.3189	6.3807	-3.30	13.23
1555	Shell-Thick	SLU-SISMICA	3.8272	6.1968	-3.30	12.81
1555	Shell-Thick	SLU-SISMICA	4.1375	4.2245	-3.72	12.81
1555	Shell-Thick	SLE-RARA	1.6476	1.8234	-2.04	4.66
1555	Shell-Thick	SLE-RARA	1.4670	2.4988	-1.82	4.66
1555	Shell-Thick	SLE-RARA	1.7496	2.4227	-1.82	4.44
1555	Shell-Thick	SLE-RARA	1.9445	1.7331	-2.04	4.44
1555	Shell-Thick	SLE-FREQ.	1.4976	1.6212	-1.91	4.00
1555	Shell-Thick	SLE-FREQ.	1.3242	2.1994	-1.70	4.00
1555	Shell-Thick	SLE-FREQ.	1.5894	2.1317	-1.70	3.79
1555	Shell-Thick	SLE-FREQ.	1.7754	1.5410	-1.91	3.79
1555	Shell-Thick	SLE-QP	1.0476	1.0149	-1.52	2.01
1555	Shell-Thick	SLE-QP	0.8958	1.3014	-1.36	2.01
1555	Shell-Thick	SLE-QP	1.1088	1.2586	-1.36	1.85
1555	Shell-Thick	SLE-QP	1.2681	0.9647	-1.52	1.85
1556	Shell-Thick	SLU-STATICA	2.0614	2.3151	-2.26	6.32

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1556	Shell-Thick	SLU-STATICA	1.8274	3.2385	-2.02	6.32
1556	Shell-Thick	SLU-STATICA	2.1415	3.0868	-2.02	6.07
1556	Shell-Thick	SLU-STATICA	2.3889	2.1501	-2.26	6.07
1556	Shell-Thick	SLU-SISMICA	3.2881	4.0987	-3.04	12.86
1556	Shell-Thick	SLU-SISMICA	3.0232	5.9920	-2.70	12.86
1556	Shell-Thick	SLU-SISMICA	3.4419	5.7356	-2.70	12.53
1556	Shell-Thick	SLU-SISMICA	3.7317	3.8176	-3.04	12.53
1556	Shell-Thick	SLE-RARA	1.5009	1.6654	-1.67	4.46
1556	Shell-Thick	SLE-RARA	1.3251	2.3168	-1.49	4.46
1556	Shell-Thick	SLE-RARA	1.5579	2.2070	-1.49	4.28
1556	Shell-Thick	SLE-RARA	1.7433	1.5461	-1.67	4.28
1556	Shell-Thick	SLE-FREQ.	1.3630	1.4778	-1.57	3.81
1556	Shell-Thick	SLE-FREQ.	1.1942	2.0334	-1.40	3.81
1556	Shell-Thick	SLE-FREQ.	1.4126	1.9349	-1.40	3.64
1556	Shell-Thick	SLE-FREQ.	1.5899	1.3710	-1.57	3.64
1556	Shell-Thick	SLE-QP	0.9496	0.9149	-1.25	1.87
1556	Shell-Thick	SLE-QP	0.8013	1.1832	-1.12	1.87
1556	Shell-Thick	SLE-QP	0.9768	1.1186	-1.12	1.74
1556	Shell-Thick	SLE-QP	1.1299	0.8455	-1.25	1.74
1557	Shell-Thick	SLU-STATICA	1.8304	2.0672	-1.86	6.11
1557	Shell-Thick	SLU-STATICA	1.6642	2.9625	-1.65	6.11
1557	Shell-Thick	SLU-STATICA	1.9210	2.8844	-1.65	5.91
1557	Shell-Thick	SLU-STATICA	2.1005	1.9760	-1.86	5.91
1557	Shell-Thick	SLU-SISMICA	2.9300	3.7017	-2.50	12.58
1557	Shell-Thick	SLU-SISMICA	2.7723	5.5572	-2.22	12.58
1557	Shell-Thick	SLU-SISMICA	3.1143	5.4253	-2.22	12.30
1557	Shell-Thick	SLU-SISMICA	3.2960	3.5460	-2.50	12.30
1557	Shell-Thick	SLE-RARA	1.3322	1.4850	-1.37	4.31
1557	Shell-Thick	SLE-RARA	1.2058	2.1155	-1.23	4.31
1557	Shell-Thick	SLE-RARA	1.3962	2.0590	-1.23	4.16
1557	Shell-Thick	SLE-RARA	1.5320	1.4191	-1.37	4.16
1557	Shell-Thick	SLE-FREQ.	1.2090	1.3140	-1.29	3.67
1557	Shell-Thick	SLE-FREQ.	1.0850	1.8501	-1.15	3.67
1557	Shell-Thick	SLE-FREQ.	1.2637	1.7994	-1.15	3.53
1557	Shell-Thick	SLE-FREQ.	1.3960	1.2551	-1.29	3.53
1557	Shell-Thick	SLE-QP	0.8393	0.8012	-1.03	1.75
1557	Shell-Thick	SLE-QP	0.7227	1.0539	-0.92	1.75
1557	Shell-Thick	SLE-QP	0.8663	1.0207	-0.92	1.65
1557	Shell-Thick	SLE-QP	0.9880	0.7631	-1.03	1.65
1558	Shell-Thick	SLU-STATICA	1.6202	1.9006	-1.51	5.93
1558	Shell-Thick	SLU-STATICA	1.4749	2.7745	-1.34	5.93
1558	Shell-Thick	SLU-STATICA	1.6845	2.6630	-1.34	5.77
1558	Shell-Thick	SLU-STATICA	1.8382	1.7808	-1.51	5.77
1558	Shell-Thick	SLU-SISMICA	2.6001	3.4384	-2.02	12.34
1558	Shell-Thick	SLU-SISMICA	2.4756	5.2659	-1.80	12.34
1558	Shell-Thick	SLU-SISMICA	2.7546	5.0797	-1.80	12.11
1558	Shell-Thick	SLU-SISMICA	2.8946	3.2368	-2.02	12.11
1558	Shell-Thick	SLE-RARA	1.1789	1.3635	-1.12	4.17
1558	Shell-Thick	SLE-RARA	1.0677	1.9782	-0.99	4.17
1558	Shell-Thick	SLE-RARA	1.2231	1.8975	-0.99	4.05
1558	Shell-Thick	SLE-RARA	1.3402	1.2769	-1.12	4.05
1558	Shell-Thick	SLE-FREQ.	1.0693	1.2035	-1.05	3.55
1558	Shell-Thick	SLE-FREQ.	0.9592	1.7247	-0.93	3.55
1558	Shell-Thick	SLE-FREQ.	1.1050	1.6521	-0.93	3.43
1558	Shell-Thick	SLE-FREQ.	1.2204	1.1257	-1.05	3.43
1558	Shell-Thick	SLE-QP	0.7405	0.7235	-0.84	1.66
1558	Shell-Thick	SLE-QP	0.6335	0.9642	-0.75	1.66
1558	Shell-Thick	SLE-QP	0.7507	0.9159	-0.75	1.57
1558	Shell-Thick	SLE-QP	0.8608	0.6723	-0.84	1.57
1559	Shell-Thick	SLU-STATICA	1.3968	1.7118	-1.22	5.79
1559	Shell-Thick	SLU-STATICA	1.2999	2.5669	-1.09	5.79
1559	Shell-Thick	SLU-STATICA	1.4691	2.5170	-1.09	5.66
1559	Shell-Thick	SLU-STATICA	1.5742	1.6538	-1.22	5.66
1559	Shell-Thick	SLU-SISMICA	2.2447	3.1363	-1.64	12.15
1559	Shell-Thick	SLU-SISMICA	2.1961	4.9385	-1.45	12.15
1559	Shell-Thick	SLU-SISMICA	2.4210	4.8571	-1.45	11.96
1559	Shell-Thick	SLU-SISMICA	2.4843	3.0404	-1.64	11.96
1559	Shell-Thick	SLE-RARA	1.0162	1.2261	-0.90	4.07
1559	Shell-Thick	SLE-RARA	0.9403	1.8269	-0.81	4.07

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1559	Shell-Thick	SLE-RARA	1.0658	1.7906	-0.81	3.97
1559	Shell-Thick	SLE-RARA	1.1474	1.1841	-0.90	3.97
1559	Shell-Thick	SLE-FREQ.	0.9214	1.0788	-0.85	3.45
1559	Shell-Thick	SLE-FREQ.	0.8435	1.5869	-0.76	3.45
1559	Shell-Thick	SLE-FREQ.	0.9613	1.5541	-0.76	3.36
1559	Shell-Thick	SLE-FREQ.	1.0444	1.0410	-0.85	3.36
1559	Shell-Thick	SLE-QP	0.6372	0.6369	-0.68	1.58
1559	Shell-Thick	SLE-QP	0.5530	0.8671	-0.61	1.58
1559	Shell-Thick	SLE-QP	0.6478	0.8447	-0.61	1.51
1559	Shell-Thick	SLE-QP	0.7351	0.6115	-0.68	1.51
1560	Shell-Thick	SLU-STATICA	1.1833	1.5897	-0.97	5.67
1560	Shell-Thick	SLU-STATICA	1.1102	2.4311	-0.86	5.67
1560	Shell-Thick	SLU-STATICA	1.2460	2.3577	-0.86	5.56
1560	Shell-Thick	SLU-STATICA	1.3231	1.5123	-0.97	5.56
1560	Shell-Thick	SLU-SISMICA	1.8994	2.9449	-1.30	11.99
1560	Shell-Thick	SLU-SISMICA	1.8894	4.7293	-1.15	11.99
1560	Shell-Thick	SLU-SISMICA	2.0696	4.6083	-1.15	11.84
1560	Shell-Thick	SLU-SISMICA	2.0873	2.8163	-1.30	11.84
1560	Shell-Thick	SLE-RARA	0.8609	1.1371	-0.72	3.98
1560	Shell-Thick	SLE-RARA	0.8025	1.7277	-0.64	3.98
1560	Shell-Thick	SLE-RARA	0.9031	1.6744	-0.64	3.90
1560	Shell-Thick	SLE-RARA	0.9645	1.0809	-0.72	3.90
1560	Shell-Thick	SLE-FREQ.	0.7808	0.9977	-0.68	3.37
1560	Shell-Thick	SLE-FREQ.	0.7186	1.4962	-0.60	3.37
1560	Shell-Thick	SLE-FREQ.	0.8131	1.4481	-0.60	3.29
1560	Shell-Thick	SLE-FREQ.	0.8779	0.9471	-0.68	3.29
1560	Shell-Thick	SLE-QP	0.5406	0.5794	-0.54	1.52
1560	Shell-Thick	SLE-QP	0.4672	0.8018	-0.48	1.52
1560	Shell-Thick	SLE-QP	0.5433	0.7694	-0.48	1.46
1560	Shell-Thick	SLE-QP	0.6182	0.5456	-0.54	1.46
1561	Shell-Thick	SLU-STATICA	0.9614	1.4516	-0.77	5.58
1561	Shell-Thick	SLU-STATICA	0.9191	2.2806	-0.68	5.58
1561	Shell-Thick	SLU-STATICA	1.0258	2.2720	-0.68	5.49
1561	Shell-Thick	SLU-STATICA	1.0720	1.4390	-0.77	5.49
1561	Shell-Thick	SLU-SISMICA	1.5365	2.7238	-1.02	11.86
1561	Shell-Thick	SLU-SISMICA	1.5731	4.4913	-0.91	11.86
1561	Shell-Thick	SLU-SISMICA	1.7143	4.4824	-0.91	11.74
1561	Shell-Thick	SLU-SISMICA	1.6852	2.7075	-1.02	11.74
1561	Shell-Thick	SLE-RARA	0.6998	1.0366	-0.57	3.91
1561	Shell-Thick	SLE-RARA	0.6639	1.6180	-0.50	3.91
1561	Shell-Thick	SLE-RARA	0.7429	1.6114	-0.50	3.85
1561	Shell-Thick	SLE-RARA	0.7818	1.0272	-0.57	3.85
1561	Shell-Thick	SLE-FREQ.	0.6353	0.9065	-0.53	3.30
1561	Shell-Thick	SLE-FREQ.	0.5938	1.3964	-0.47	3.30
1561	Shell-Thick	SLE-FREQ.	0.6680	1.3900	-0.47	3.24
1561	Shell-Thick	SLE-FREQ.	0.7121	0.8976	-0.53	3.24
1561	Shell-Thick	SLE-QP	0.4417	0.5161	-0.43	1.46
1561	Shell-Thick	SLE-QP	0.3834	0.7317	-0.38	1.46
1561	Shell-Thick	SLE-QP	0.4433	0.7259	-0.38	1.42
1561	Shell-Thick	SLE-QP	0.5031	0.5089	-0.43	1.42
1562	Shell-Thick	SLU-STATICA	0.7452	1.3812	-0.58	5.50
1562	Shell-Thick	SLU-STATICA	0.7118	2.2016	-0.51	5.50
1562	Shell-Thick	SLU-STATICA	0.7937	2.1774	-0.51	5.43
1562	Shell-Thick	SLU-STATICA	0.8279	1.3563	-0.58	5.43
1562	Shell-Thick	SLU-SISMICA	1.1783	2.6172	-0.77	11.75
1562	Shell-Thick	SLU-SISMICA	1.2258	4.3736	-0.68	11.75
1562	Shell-Thick	SLU-SISMICA	1.3341	4.3373	-0.68	11.66
1562	Shell-Thick	SLU-SISMICA	1.2883	2.5792	-0.77	11.66
1562	Shell-Thick	SLE-RARA	0.5431	0.9850	-0.43	3.86
1562	Shell-Thick	SLE-RARA	0.5137	1.5600	-0.38	3.86
1562	Shell-Thick	SLE-RARA	0.5745	1.5423	-0.38	3.81
1562	Shell-Thick	SLE-RARA	0.6044	0.9668	-0.43	3.81
1562	Shell-Thick	SLE-FREQ.	0.4941	0.8592	-0.41	3.25
1562	Shell-Thick	SLE-FREQ.	0.4588	1.3431	-0.36	3.25
1562	Shell-Thick	SLE-FREQ.	0.5159	1.3267	-0.36	3.20
1562	Shell-Thick	SLE-FREQ.	0.5516	0.8425	-0.41	3.20
1562	Shell-Thick	SLE-QP	0.3472	0.4816	-0.33	1.42
1562	Shell-Thick	SLE-QP	0.2941	0.6922	-0.29	1.42
1562	Shell-Thick	SLE-QP	0.3402	0.6801	-0.29	1.38

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1562	Shell-Thick	SLE-QP	0.3934	0.4694	-0.33	1.38
1563	Shell-Thick	SLU-STATICA	0.5241	1.3011	-0.43	5.44
1563	Shell-Thick	SLU-STATICA	0.5016	2.1134	-0.38	5.44
1563	Shell-Thick	SLU-STATICA	0.5616	2.1580	-0.38	5.39
1563	Shell-Thick	SLU-STATICA	0.5850	1.3447	-0.43	5.39
1563	Shell-Thick	SLU-SISMICA	0.8101	2.4912	-0.57	11.67
1563	Shell-Thick	SLU-SISMICA	0.8677	4.2364	-0.50	11.67
1563	Shell-Thick	SLU-SISMICA	0.9467	4.3197	-0.50	11.60
1563	Shell-Thick	SLU-SISMICA	0.8912	2.5725	-0.57	11.60
1563	Shell-Thick	SLE-RARA	0.3829	0.9266	-0.32	3.81
1563	Shell-Thick	SLE-RARA	0.3618	1.4956	-0.28	3.81
1563	Shell-Thick	SLE-RARA	0.4064	1.5275	-0.28	3.77
1563	Shell-Thick	SLE-RARA	0.4281	0.9578	-0.32	3.77
1563	Shell-Thick	SLE-FREQ.	0.3499	0.8059	-0.30	3.21
1563	Shell-Thick	SLE-FREQ.	0.3228	1.2843	-0.26	3.21
1563	Shell-Thick	SLE-FREQ.	0.3647	1.3122	-0.26	3.17
1563	Shell-Thick	SLE-FREQ.	0.3923	0.8333	-0.30	3.17
1563	Shell-Thick	SLE-QP	0.2511	0.4440	-0.24	1.39
1563	Shell-Thick	SLE-QP	0.2058	0.6503	-0.21	1.39
1563	Shell-Thick	SLE-QP	0.2397	0.6662	-0.21	1.36
1563	Shell-Thick	SLE-QP	0.2852	0.4597	-0.24	1.36
1564	Shell-Thick	SLU-STATICA	0.3272	1.2938	-0.29	5.39
1564	Shell-Thick	SLU-STATICA	0.2786	2.1007	-0.25	5.39
1564	Shell-Thick	SLU-STATICA	0.3193	2.1301	-0.25	5.35
1564	Shell-Thick	SLU-STATICA	0.3664	1.3248	-0.29	5.35
1564	Shell-Thick	SLU-SISMICA	0.4849	2.4905	-0.38	11.60
1564	Shell-Thick	SLU-SISMICA	0.4845	4.2280	-0.32	11.60
1564	Shell-Thick	SLU-SISMICA	0.5376	4.2812	-0.32	11.54
1564	Shell-Thick	SLU-SISMICA	0.5361	2.5457	-0.38	11.54
1564	Shell-Thick	SLE-RARA	0.2401	0.9208	-0.21	3.77
1564	Shell-Thick	SLE-RARA	0.2008	1.4858	-0.18	3.77
1564	Shell-Thick	SLE-RARA	0.2311	1.5069	-0.18	3.74
1564	Shell-Thick	SLE-RARA	0.2692	0.9430	-0.21	3.74
1564	Shell-Thick	SLE-FREQ.	0.2212	0.7997	-0.20	3.17
1564	Shell-Thick	SLE-FREQ.	0.1790	1.2743	-0.17	3.17
1564	Shell-Thick	SLE-FREQ.	0.2074	1.2930	-0.17	3.14
1564	Shell-Thick	SLE-FREQ.	0.2486	0.8195	-0.20	3.14
1564	Shell-Thick	SLE-QP	0.1646	0.4366	-0.16	1.36
1564	Shell-Thick	SLE-QP	0.1133	0.6400	-0.14	1.36
1564	Shell-Thick	SLE-QP	0.1365	0.6511	-0.14	1.34
1564	Shell-Thick	SLE-QP	0.1868	0.4487	-0.16	1.34
1565	Shell-Thick	SLU-STATICA	0.1440	1.2829	-0.16	5.35
1565	Shell-Thick	SLU-STATICA	0.1086	2.0854	-0.14	5.35
1565	Shell-Thick	SLU-STATICA	0.1319	2.1494	-0.14	5.33
1565	Shell-Thick	SLU-STATICA	0.1659	1.3485	-0.16	5.33
1565	Shell-Thick	SLU-SISMICA	0.1910	2.4788	-0.21	11.54
1565	Shell-Thick	SLU-SISMICA	0.1902	4.2095	-0.18	11.54
1565	Shell-Thick	SLU-SISMICA	0.2202	4.3177	-0.18	11.51
1565	Shell-Thick	SLU-SISMICA	0.2197	2.5884	-0.21	11.51
1565	Shell-Thick	SLE-RARA	0.1068	0.9125	-0.12	3.75
1565	Shell-Thick	SLE-RARA	0.0782	1.4743	-0.10	3.75
1565	Shell-Thick	SLE-RARA	0.0955	1.5207	-0.10	3.73
1565	Shell-Thick	SLE-RARA	0.1230	0.9600	-0.12	3.73
1565	Shell-Thick	SLE-FREQ.	0.1003	0.7918	-0.11	3.15
1565	Shell-Thick	SLE-FREQ.	0.0696	1.2634	-9.723E-02	3.15
1565	Shell-Thick	SLE-FREQ.	0.0859	1.3050	-9.723E-02	3.13
1565	Shell-Thick	SLE-FREQ.	0.1156	0.8344	-0.11	3.13
1565	Shell-Thick	SLE-QP	0.0808	0.4294	-9.218E-02	1.34
1565	Shell-Thick	SLE-QP	0.0436	0.6307	-7.980E-02	1.34
1565	Shell-Thick	SLE-QP	0.0571	0.6579	-7.980E-02	1.33
1565	Shell-Thick	SLE-QP	0.0932	0.4577	-9.218E-02	1.33
1566	Shell-Thick	SLU-STATICA	0.0525	1.3228	-4.909E-02	5.32
1566	Shell-Thick	SLU-STATICA	-0.0155	2.1229	-4.194E-02	5.32
1566	Shell-Thick	SLU-STATICA	-0.0076	2.1370	-4.194E-02	5.32
1566	Shell-Thick	SLU-STATICA	0.0570	1.3395	-4.909E-02	5.32
1566	Shell-Thick	SLU-SISMICA	0.0675	2.5500	-6.344E-02	11.50
1566	Shell-Thick	SLU-SISMICA	-0.0268	4.2763	-5.253E-02	11.50
1566	Shell-Thick	SLU-SISMICA	-0.0171	4.2905	-5.253E-02	11.49
1566	Shell-Thick	SLU-SISMICA	0.0737	2.5668	-6.344E-02	11.49



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1566	Shell-Thick	SLE-RARA	0.0390	0.9412	-3.648E-02	3.73
1566	Shell-Thick	SLE-RARA	-0.0112	1.5013	-3.125E-02	3.73
1566	Shell-Thick	SLE-RARA	-0.0053	1.5120	-3.125E-02	3.72
1566	Shell-Thick	SLE-RARA	0.0424	0.9538	-3.648E-02	3.72
1566	Shell-Thick	SLE-FREQ.	0.0368	0.8172	-3.441E-02	3.13
1566	Shell-Thick	SLE-FREQ.	-0.0100	1.2873	-2.961E-02	3.13
1566	Shell-Thick	SLE-FREQ.	-0.0044	1.2978	-2.961E-02	3.12
1566	Shell-Thick	SLE-FREQ.	0.0400	0.8295	-3.441E-02	3.12
1566	Shell-Thick	SLE-QP	0.0302	0.4450	-2.817E-02	1.33
1566	Shell-Thick	SLE-QP	-0.0064	0.6453	-2.468E-02	1.33
1566	Shell-Thick	SLE-QP	-0.0016	0.6550	-2.468E-02	1.33
1566	Shell-Thick	SLE-QP	0.0327	0.4563	-2.817E-02	1.33
1567	Shell-Thick	SLU-STATICA	27.9627	4.5895	73.17	-1.19
1567	Shell-Thick	SLU-STATICA	22.0481	5.4127	65.36	-1.19
1567	Shell-Thick	SLU-STATICA	12.0687	2.5864	65.36	6.61
1567	Shell-Thick	SLU-STATICA	17.1452	2.5954	73.17	6.61
1567	Shell-Thick	SLU-SISMICA	34.8004	5.5348	88.83	-1.69
1567	Shell-Thick	SLU-SISMICA	26.4901	6.7233	77.86	-1.69
1567	Shell-Thick	SLU-SISMICA	14.6017	3.2741	77.86	9.28
1567	Shell-Thick	SLU-SISMICA	21.6652	3.3242	88.83	9.28
1567	Shell-Thick	SLE-RARA	20.8477	3.4305	54.66	-0.88
1567	Shell-Thick	SLE-RARA	16.4853	4.0361	48.91	-0.88
1567	Shell-Thick	SLE-RARA	9.0187	1.9255	48.91	4.88
1567	Shell-Thick	SLE-RARA	12.7663	1.9303	54.66	4.88
1567	Shell-Thick	SLE-FREQ.	19.7718	3.2682	52.03	-0.81
1567	Shell-Thick	SLE-FREQ.	15.7138	3.8289	46.67	-0.81
1567	Shell-Thick	SLE-FREQ.	8.5881	1.8215	46.67	4.54
1567	Shell-Thick	SLE-FREQ.	12.0801	1.8228	52.03	4.54
1567	Shell-Thick	SLE-QP	16.5440	2.7814	44.12	-0.62
1567	Shell-Thick	SLE-QP	13.3993	3.2072	39.98	-0.62
1567	Shell-Thick	SLE-QP	7.2965	1.5095	39.98	3.52
1567	Shell-Thick	SLE-QP	10.0215	1.5003	44.12	3.52
1568	Shell-Thick	SLU-STATICA	23.8585	2.9415	62.55	5.39
1568	Shell-Thick	SLU-STATICA	18.3230	4.8337	55.05	5.39
1568	Shell-Thick	SLU-STATICA	10.0183	5.1323	55.05	12.89
1568	Shell-Thick	SLU-STATICA	14.5094	4.2789	62.55	12.89
1568	Shell-Thick	SLU-SISMICA	32.2024	3.9676	77.18	7.48
1568	Shell-Thick	SLU-SISMICA	24.1535	6.6485	66.80	7.48
1568	Shell-Thick	SLU-SISMICA	14.1287	7.9951	66.80	17.86
1568	Shell-Thick	SLU-SISMICA	20.6125	6.8717	77.18	17.86
1568	Shell-Thick	SLE-RARA	17.6627	2.1778	46.66	3.98
1568	Shell-Thick	SLE-RARA	13.5935	3.5722	41.13	3.98
1568	Shell-Thick	SLE-RARA	7.3864	3.7463	41.13	9.52
1568	Shell-Thick	SLE-RARA	10.6902	3.1131	46.66	9.52
1568	Shell-Thick	SLE-FREQ.	16.5415	2.0398	44.31	3.71
1568	Shell-Thick	SLE-FREQ.	12.7792	3.3350	39.15	3.71
1568	Shell-Thick	SLE-FREQ.	6.8665	3.4186	39.15	8.88
1568	Shell-Thick	SLE-FREQ.	9.9250	2.8233	44.31	8.88
1568	Shell-Thick	SLE-QP	13.1779	1.6257	37.25	2.90
1568	Shell-Thick	SLE-QP	10.3363	2.6234	33.21	2.90
1568	Shell-Thick	SLE-QP	5.3068	2.4357	33.21	6.95
1568	Shell-Thick	SLE-QP	7.6296	1.9538	37.25	6.95
1569	Shell-Thick	SLU-STATICA	18.2047	4.2850	52.71	11.99
1569	Shell-Thick	SLU-STATICA	15.0539	6.8724	45.99	11.99
1569	Shell-Thick	SLU-STATICA	7.9303	5.6652	45.99	18.71
1569	Shell-Thick	SLU-STATICA	10.5107	3.6432	52.71	18.71
1569	Shell-Thick	SLU-SISMICA	26.1895	6.9211	66.21	16.54
1569	Shell-Thick	SLU-SISMICA	21.4579	10.5270	56.95	16.54
1569	Shell-Thick	SLU-SISMICA	12.6444	9.6327	56.95	25.80
1569	Shell-Thick	SLU-SISMICA	16.5134	6.8825	66.21	25.80
1569	Shell-Thick	SLE-RARA	13.3965	3.1156	39.27	8.86
1569	Shell-Thick	SLE-RARA	11.0878	5.0254	34.30	8.86
1569	Shell-Thick	SLE-RARA	5.7742	4.0951	34.30	13.83
1569	Shell-Thick	SLE-RARA	7.6653	2.5992	39.27	13.83
1569	Shell-Thick	SLE-FREQ.	12.4100	2.8221	37.19	8.27
1569	Shell-Thick	SLE-FREQ.	10.2881	4.6011	32.55	8.27
1569	Shell-Thick	SLE-FREQ.	5.2445	3.6681	32.55	12.90
1569	Shell-Thick	SLE-FREQ.	6.9830	2.2689	37.19	12.90
1569	Shell-Thick	SLE-QP	9.4505	1.9418	30.96	6.49



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1569	Shell-Thick	SLE-QP	7.8891	3.3284	27.31	6.49
1569	Shell-Thick	SLE-QP	3.6551	2.3870	27.31	10.14
1569	Shell-Thick	SLE-QP	4.9361	1.2780	30.96	10.14
1570	Shell-Thick	SLU-STATICA	13.2488	3.4800	42.83	17.85
1570	Shell-Thick	SLU-STATICA	10.7117	6.9323	37.48	17.85
1570	Shell-Thick	SLU-STATICA	5.0576	8.5406	37.48	23.19
1570	Shell-Thick	SLU-STATICA	6.8472	5.8318	42.83	23.19
1570	Shell-Thick	SLU-SISMICA	20.3798	6.6215	54.64	24.53
1570	Shell-Thick	SLU-SISMICA	16.3944	11.4169	47.31	24.53
1570	Shell-Thick	SLU-SISMICA	9.3073	14.6653	47.31	31.86
1570	Shell-Thick	SLU-SISMICA	12.1625	10.9946	54.64	31.86
1570	Shell-Thick	SLE-RARA	9.6838	2.4804	31.86	13.19
1570	Shell-Thick	SLE-RARA	7.8335	5.0294	27.91	13.19
1570	Shell-Thick	SLE-RARA	3.6206	6.1664	27.91	17.14
1570	Shell-Thick	SLE-RARA	4.9236	4.1618	31.86	17.14
1570	Shell-Thick	SLE-FREQ.	8.8590	2.1611	30.11	12.32
1570	Shell-Thick	SLE-FREQ.	7.1734	4.5368	26.41	12.32
1570	Shell-Thick	SLE-FREQ.	3.1821	5.5110	26.41	16.01
1570	Shell-Thick	SLE-FREQ.	4.3654	3.6349	30.11	16.01
1570	Shell-Thick	SLE-QP	6.3846	1.2031	24.84	9.69
1570	Shell-Thick	SLE-QP	5.1929	3.0591	21.93	9.69
1570	Shell-Thick	SLE-QP	1.8665	3.5449	21.93	12.60
1570	Shell-Thick	SLE-QP	2.6907	2.0542	24.84	12.60
1571	Shell-Thick	SLU-STATICA	7.1830	5.5464	34.65	22.75
1571	Shell-Thick	SLU-STATICA	7.8322	9.4481	30.32	22.75
1571	Shell-Thick	SLU-STATICA	3.1183	9.1735	30.32	27.08
1571	Shell-Thick	SLU-STATICA	2.1429	5.5948	34.65	27.08
1571	Shell-Thick	SLU-SISMICA	12.2991	10.5185	45.13	31.22
1571	Shell-Thick	SLU-SISMICA	12.9726	15.9018	39.16	31.22
1571	Shell-Thick	SLU-SISMICA	6.8965	16.2171	39.16	37.19
1571	Shell-Thick	SLU-SISMICA	5.7220	11.3303	45.13	37.19
1571	Shell-Thick	SLE-RARA	5.1879	3.9550	25.74	16.81
1571	Shell-Thick	SLE-RARA	5.6787	6.8376	22.53	16.81
1571	Shell-Thick	SLE-RARA	2.1746	6.6002	22.53	20.02
1571	Shell-Thick	SLE-RARA	1.4454	3.9536	25.74	20.02
1571	Shell-Thick	SLE-FREQ.	4.6396	3.4489	24.24	15.70
1571	Shell-Thick	SLE-FREQ.	5.1162	6.1387	21.25	15.70
1571	Shell-Thick	SLE-FREQ.	1.8105	5.8586	21.25	18.69
1571	Shell-Thick	SLE-FREQ.	1.1156	3.3848	24.24	18.69
1571	Shell-Thick	SLE-QP	2.9945	1.9305	19.75	12.37
1571	Shell-Thick	SLE-QP	3.4288	4.0418	17.41	12.37
1571	Shell-Thick	SLE-QP	0.7182	3.6338	17.41	14.72
1571	Shell-Thick	SLE-QP	0.1263	1.6783	19.75	14.72
1572	Shell-Thick	SLU-STATICA	3.9383	5.4204	27.22	26.43
1572	Shell-Thick	SLU-STATICA	4.0040	9.8842	23.84	26.43
1572	Shell-Thick	SLU-STATICA	0.4140	10.9004	23.84	29.82
1572	Shell-Thick	SLU-STATICA	-0.1372	6.9196	27.22	29.82
1572	Shell-Thick	SLU-SISMICA	8.0124	11.0081	36.32	36.24
1572	Shell-Thick	SLU-SISMICA	7.7542	17.1689	31.62	36.24
1572	Shell-Thick	SLU-SISMICA	3.0236	19.2691	31.62	40.94
1572	Shell-Thick	SLU-SISMICA	2.5445	13.8420	36.32	40.94
1572	Shell-Thick	SLE-RARA	2.7813	3.8288	20.17	19.54
1572	Shell-Thick	SLE-RARA	2.8471	7.1267	17.68	19.54
1572	Shell-Thick	SLE-RARA	0.1837	7.8427	17.68	22.04
1572	Shell-Thick	SLE-RARA	-0.2376	4.8984	20.17	22.04
1572	Shell-Thick	SLE-FREQ.	2.3779	3.2752	18.93	18.25
1572	Shell-Thick	SLE-FREQ.	2.4687	6.3523	16.60	18.25
1572	Shell-Thick	SLE-FREQ.	-0.0353	6.9616	16.60	20.58
1572	Shell-Thick	SLE-FREQ.	-0.4521	4.2087	18.93	20.58
1572	Shell-Thick	SLE-QP	1.1677	1.6144	15.19	14.39
1572	Shell-Thick	SLE-QP	1.3335	4.0291	13.38	14.39
1572	Shell-Thick	SLE-QP	-0.6923	4.3182	13.38	16.21
1572	Shell-Thick	SLE-QP	-1.0957	2.1397	15.19	16.21
1573	Shell-Thick	SLU-STATICA	-0.0119	6.7658	21.32	29.59
1573	Shell-Thick	SLU-STATICA	2.4599	11.4885	18.60	29.59
1573	Shell-Thick	SLU-STATICA	-0.4590	11.2725	18.60	32.31
1573	Shell-Thick	SLU-STATICA	-3.0869	6.7037	21.32	32.31
1573	Shell-Thick	SLU-SISMICA	2.3764	13.5524	29.38	40.61
1573	Shell-Thick	SLU-SISMICA	5.6882	20.0579	25.53	40.61

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1573	Shell-Thick	SLU-SISMICA	1.6872	20.1758	25.53	44.47
1573	Shell-Thick	SLU-SISMICA	-1.8658	13.9085	29.38	44.47
1573	Shell-Thick	SLE-RARA	-0.1280	4.7886	15.76	21.87
1573	Shell-Thick	SLE-RARA	1.7032	8.2783	13.75	21.87
1573	Shell-Thick	SLE-RARA	-0.4547	8.0980	13.75	23.87
1573	Shell-Thick	SLE-RARA	-2.3999	4.7207	15.76	23.87
1573	Shell-Thick	SLE-FREQ.	-0.3211	4.1128	14.70	20.42
1573	Shell-Thick	SLE-FREQ.	1.3959	7.3700	12.84	20.42
1573	Shell-Thick	SLE-FREQ.	-0.6199	7.1667	12.84	22.29
1573	Shell-Thick	SLE-FREQ.	-2.4410	4.0122	14.70	22.29
1573	Shell-Thick	SLE-QP	-0.9005	2.0853	11.55	16.09
1573	Shell-Thick	SLE-QP	0.4740	4.6449	10.12	16.09
1573	Shell-Thick	SLE-QP	-1.1154	4.3726	10.12	17.52
1573	Shell-Thick	SLE-QP	-2.5646	1.8867	11.55	17.52
1574	Shell-Thick	SLU-STATICA	-1.1565	6.6907	16.25	31.83
1574	Shell-Thick	SLU-STATICA	0.0763	11.7787	14.08	31.83
1574	Shell-Thick	SLU-STATICA	-2.0523	12.2534	14.08	34.00
1574	Shell-Thick	SLU-STATICA	-3.5809	7.4595	16.25	34.00
1574	Shell-Thick	SLU-SISMICA	0.7378	13.8397	23.31	43.76
1574	Shell-Thick	SLU-SISMICA	2.1972	20.8674	20.15	43.76
1574	Shell-Thick	SLU-SISMICA	-0.8423	21.8861	20.15	46.91
1574	Shell-Thick	SLU-SISMICA	-2.7472	15.3015	23.31	46.91
1574	Shell-Thick	SLE-RARA	-0.9707	4.7136	11.96	23.52
1574	Shell-Thick	SLE-RARA	-0.0478	8.4724	10.37	23.52
1574	Shell-Thick	SLE-RARA	-1.6154	8.8049	10.37	25.12
1574	Shell-Thick	SLE-RARA	-2.7549	5.2616	11.96	25.12
1574	Shell-Thick	SLE-FREQ.	-1.1024	4.0099	11.09	21.96
1574	Shell-Thick	SLE-FREQ.	-0.2209	7.5165	9.61	21.96
1574	Shell-Thick	SLE-FREQ.	-1.6750	7.7962	9.61	23.44
1574	Shell-Thick	SLE-FREQ.	-2.7555	4.4874	11.09	23.44
1574	Shell-Thick	SLE-QP	-1.4976	1.8987	8.46	17.28
1574	Shell-Thick	SLE-QP	-0.7403	4.6491	7.35	17.28
1574	Shell-Thick	SLE-QP	-1.8539	4.7700	7.35	18.39
1574	Shell-Thick	SLE-QP	-2.7572	2.1648	8.46	18.39
1575	Shell-Thick	SLU-STATICA	-3.2054	7.4555	12.16	33.89
1575	Shell-Thick	SLU-STATICA	-0.2370	12.6955	10.47	33.89
1575	Shell-Thick	SLU-STATICA	-1.9100	12.7147	10.47	35.58
1575	Shell-Thick	SLU-STATICA	-4.9303	7.5253	12.16	35.58
1575	Shell-Thick	SLU-SISMICA	-2.3766	15.2606	18.40	46.76
1575	Shell-Thick	SLU-SISMICA	1.6924	22.5080	15.86	46.76
1575	Shell-Thick	SLU-SISMICA	-0.8410	22.7385	15.86	49.30
1575	Shell-Thick	SLU-SISMICA	-4.9859	15.5650	18.40	49.30
1575	Shell-Thick	SLE-RARA	-2.4701	5.2604	8.90	25.04
1575	Shell-Thick	SLE-RARA	-0.2757	9.1310	7.67	25.04
1575	Shell-Thick	SLE-RARA	-1.5005	9.1350	7.67	26.28
1575	Shell-Thick	SLE-RARA	-3.7331	5.3017	8.90	26.28
1575	Shell-Thick	SLE-FREQ.	-2.4773	4.4893	8.17	23.37
1575	Shell-Thick	SLE-FREQ.	-0.4275	8.0995	7.04	23.37
1575	Shell-Thick	SLE-FREQ.	-1.5513	8.0860	7.04	24.50
1575	Shell-Thick	SLE-FREQ.	-3.6365	4.5102	8.17	24.50
1575	Shell-Thick	SLE-QP	-2.4990	2.1759	5.97	18.34
1575	Shell-Thick	SLE-QP	-0.8828	5.0048	5.14	18.34
1575	Shell-Thick	SLE-QP	-1.7039	4.9390	5.14	19.17
1575	Shell-Thick	SLE-QP	-3.3466	2.1359	5.97	19.17
1576	Shell-Thick	SLU-STATICA	-3.1869	7.6046	8.73	35.26
1576	Shell-Thick	SLU-STATICA	-1.4224	13.0816	7.40	35.26
1576	Shell-Thick	SLU-STATICA	-2.5483	13.4651	7.40	36.58
1576	Shell-Thick	SLU-STATICA	-4.4825	8.1568	8.73	36.58
1576	Shell-Thick	SLU-SISMICA	-2.4814	15.6644	14.21	48.82
1576	Shell-Thick	SLU-SISMICA	-0.1778	23.2727	12.13	48.82
1576	Shell-Thick	SLU-SISMICA	-2.0318	23.9568	12.13	50.91
1576	Shell-Thick	SLU-SISMICA	-4.5818	16.5933	14.21	50.91
1576	Shell-Thick	SLE-RARA	-2.4499	5.3607	6.34	26.04
1576	Shell-Thick	SLE-RARA	-1.1398	9.4047	5.37	26.04
1576	Shell-Thick	SLE-RARA	-1.9567	9.6803	5.37	27.01
1576	Shell-Thick	SLE-RARA	-3.3916	5.7604	6.34	27.01
1576	Shell-Thick	SLE-FREQ.	-2.4475	4.5662	5.73	24.28
1576	Shell-Thick	SLE-FREQ.	-1.2140	8.3353	4.85	24.28
1576	Shell-Thick	SLE-FREQ.	-1.9509	8.5794	4.85	25.16

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1576	Shell-Thick	SLE-FREQ.	-3.2998	4.9251	5.73	25.16
1576	Shell-Thick	SLE-QP	-2.4402	2.1826	3.91	19.01
1576	Shell-Thick	SLE-QP	-1.4365	5.1271	3.29	19.01
1576	Shell-Thick	SLE-QP	-1.9335	5.2767	3.29	19.63
1576	Shell-Thick	SLE-QP	-3.0245	2.4190	3.91	19.63
1577	Shell-Thick	SLU-STATICA	-4.0521	8.2244	5.93	36.56
1577	Shell-Thick	SLU-STATICA	-1.0582	13.7816	4.96	36.56
1577	Shell-Thick	SLU-STATICA	-1.8795	14.0713	4.96	37.53
1577	Shell-Thick	SLU-STATICA	-4.8669	8.5069	5.93	37.53
1577	Shell-Thick	SLU-SISMICA	-3.9500	16.6910	10.77	50.87
1577	Shell-Thick	SLU-SISMICA	0.2284	24.4375	9.14	50.87
1577	Shell-Thick	SLU-SISMICA	-1.2774	24.9132	9.14	52.49
1577	Shell-Thick	SLU-SISMICA	-5.4331	17.1427	10.77	52.49
1577	Shell-Thick	SLE-RARA	-3.0755	5.8101	4.26	26.99
1577	Shell-Thick	SLE-RARA	-0.8659	9.9120	3.55	26.99
1577	Shell-Thick	SLE-RARA	-1.4541	10.1222	3.55	27.69
1577	Shell-Thick	SLE-RARA	-3.6596	6.0158	4.26	27.69
1577	Shell-Thick	SLE-FREQ.	-3.0080	4.9711	3.75	25.15
1577	Shell-Thick	SLE-FREQ.	-0.9503	8.7918	3.12	25.15
1577	Shell-Thick	SLE-FREQ.	-1.4678	8.9816	3.12	25.78
1577	Shell-Thick	SLE-FREQ.	-3.5228	5.1577	3.75	25.78
1577	Shell-Thick	SLE-QP	-2.8057	2.4539	2.25	19.62
1577	Shell-Thick	SLE-QP	-1.2035	5.4315	1.83	19.62
1577	Shell-Thick	SLE-QP	-1.5087	5.5599	1.83	20.04
1577	Shell-Thick	SLE-QP	-3.1126	2.5836	2.25	20.04
1578	Shell-Thick	SLU-STATICA	-3.4892	8.6124	3.65	37.33
1578	Shell-Thick	SLU-STATICA	-1.5075	14.3158	2.93	37.33
1578	Shell-Thick	SLU-STATICA	-1.9551	14.7741	2.93	38.05
1578	Shell-Thick	SLU-STATICA	-4.0287	9.1622	3.65	38.05
1578	Shell-Thick	SLU-SISMICA	-3.3122	17.3114	7.90	52.20
1578	Shell-Thick	SLU-SISMICA	-0.5972	25.3048	6.59	52.20
1578	Shell-Thick	SLU-SISMICA	-1.6250	25.9795	6.59	53.51
1578	Shell-Thick	SLU-SISMICA	-4.4592	18.1043	7.90	53.51
1578	Shell-Thick	SLE-RARA	-2.6527	6.0925	2.55	27.54
1578	Shell-Thick	SLE-RARA	-1.1876	10.3001	2.04	27.54
1578	Shell-Thick	SLE-RARA	-1.4979	10.6366	2.04	28.06
1578	Shell-Thick	SLE-RARA	-3.0312	6.4970	2.55	28.06
1578	Shell-Thick	SLE-FREQ.	-2.6018	5.2274	2.14	25.64
1578	Shell-Thick	SLE-FREQ.	-1.2332	9.1430	1.69	25.64
1578	Shell-Thick	SLE-FREQ.	-1.4881	9.4535	1.69	26.10
1578	Shell-Thick	SLE-FREQ.	-2.9211	5.6019	2.14	26.10
1578	Shell-Thick	SLE-QP	-2.4492	2.6321	0.90	19.94
1578	Shell-Thick	SLE-QP	-1.3698	5.6719	0.63	19.94
1578	Shell-Thick	SLE-QP	-1.4587	5.9041	0.63	20.21
1578	Shell-Thick	SLE-QP	-2.5908	2.9167	0.90	20.21
1579	Shell-Thick	SLU-STATICA	-3.7022	9.2443	1.80	38.06
1579	Shell-Thick	SLU-STATICA	-0.8589	14.9765	1.34	38.06
1579	Shell-Thick	SLU-STATICA	-1.1115	15.4580	1.34	38.53
1579	Shell-Thick	SLU-STATICA	-3.9210	9.6918	1.80	38.53
1579	Shell-Thick	SLU-SISMICA	-3.8409	18.2508	5.53	53.53
1579	Shell-Thick	SLU-SISMICA	0.2066	26.3230	4.56	53.53
1579	Shell-Thick	SLU-SISMICA	-0.5876	26.9965	4.56	54.51
1579	Shell-Thick	SLU-SISMICA	-4.5609	18.8495	5.53	54.51
1579	Shell-Thick	SLE-RARA	-2.7983	6.5561	1.18	28.07
1579	Shell-Thick	SLE-RARA	-0.7039	10.7829	0.85	28.07
1579	Shell-Thick	SLE-RARA	-0.8683	11.1383	0.85	28.40
1579	Shell-Thick	SLE-RARA	-2.9392	6.8876	1.18	28.40
1579	Shell-Thick	SLE-FREQ.	-2.7179	5.6543	0.84	26.11
1579	Shell-Thick	SLE-FREQ.	-0.7741	9.5846	0.57	26.11
1579	Shell-Thick	SLE-FREQ.	-0.8900	9.9154	0.57	26.39
1579	Shell-Thick	SLE-FREQ.	-2.8141	5.9652	0.84	26.39
1579	Shell-Thick	SLE-QP	-2.4768	2.9488	-0.16	20.22
1579	Shell-Thick	SLE-QP	-0.9847	5.9896	-0.29	20.22
1579	Shell-Thick	SLE-QP	-0.9549	6.2468	-0.29	20.35
1579	Shell-Thick	SLE-QP	-2.4390	3.1979	-0.16	20.35
1580	Shell-Thick	SLU-STATICA	-2.9418	9.7864	0.35	38.41
1580	Shell-Thick	SLU-STATICA	-0.9139	15.5988	6.258E-02	38.41
1580	Shell-Thick	SLU-STATICA	-0.9209	16.1251	6.258E-02	38.70
1580	Shell-Thick	SLU-STATICA	-2.9973	10.3610	0.35	38.70

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1580	Shell-Thick	SLU-SISMICA	-2.9196	19.0249	3.61	54.33
1580	Shell-Thick	SLU-SISMICA	-0.0381	27.2592	2.87	54.33
1580	Shell-Thick	SLU-SISMICA	-0.5018	27.9760	2.87	55.07
1580	Shell-Thick	SLU-SISMICA	-3.4281	19.7860	3.61	55.07
1580	Shell-Thick	SLE-RARA	-2.2302	6.9552	0.11	28.31
1580	Shell-Thick	SLE-RARA	-0.7362	11.2388	-9.223E-02	28.31
1580	Shell-Thick	SLE-RARA	-0.7187	11.6282	-9.223E-02	28.51
1580	Shell-Thick	SLE-RARA	-2.2497	7.3814	0.11	28.51
1580	Shell-Thick	SLE-FREQ.	-2.1771	6.0245	-0.16	26.31
1580	Shell-Thick	SLE-FREQ.	-0.7900	10.0035	-0.32	26.31
1580	Shell-Thick	SLE-FREQ.	-0.7354	10.3675	-0.32	26.46
1580	Shell-Thick	SLE-FREQ.	-2.1588	6.4248	-0.16	26.46
1580	Shell-Thick	SLE-QP	-2.0176	3.2323	-0.98	20.29
1580	Shell-Thick	SLE-QP	-0.9515	6.2973	-1.00	20.29
1580	Shell-Thick	SLE-QP	-0.7856	6.5857	-1.00	20.32
1580	Shell-Thick	SLE-QP	-1.8862	3.5552	-0.98	20.32
1581	Shell-Thick	SLU-STATICA	-2.8296	10.4295	-0.76	38.74
1581	Shell-Thick	SLU-STATICA	-0.2021	16.2339	-0.88	38.74
1581	Shell-Thick	SLU-STATICA	-0.0991	16.7911	-0.88	38.86
1581	Shell-Thick	SLU-STATICA	-2.6861	10.9461	-0.76	38.86
1581	Shell-Thick	SLU-SISMICA	-2.9560	19.9308	2.06	55.13
1581	Shell-Thick	SLU-SISMICA	0.8639	28.1988	1.56	55.13
1581	Shell-Thick	SLU-SISMICA	0.5465	28.9498	1.56	55.63
1581	Shell-Thick	SLU-SISMICA	-3.1808	20.5888	2.06	55.63
1581	Shell-Thick	SLE-RARA	-2.1378	7.4295	-0.72	28.54
1581	Shell-Thick	SLE-RARA	-0.2062	11.7049	-0.79	28.54
1581	Shell-Thick	SLE-RARA	-0.1073	12.1175	-0.79	28.61
1581	Shell-Thick	SLE-RARA	-2.0107	7.8138	-0.72	28.61
1581	Shell-Thick	SLE-FREQ.	-2.0747	6.4655	-0.93	26.49
1581	Shell-Thick	SLE-FREQ.	-0.2888	10.4331	-0.97	26.49
1581	Shell-Thick	SLE-FREQ.	-0.1577	10.8195	-0.97	26.52
1581	Shell-Thick	SLE-FREQ.	-1.9205	6.8287	-0.93	26.52
1581	Shell-Thick	SLE-QP	-1.8854	3.5734	-1.58	20.34
1581	Shell-Thick	SLE-QP	-0.5363	6.6174	-1.51	20.34
1581	Shell-Thick	SLE-QP	-0.3089	6.9255	-1.51	20.27
1581	Shell-Thick	SLE-QP	-1.6498	3.8734	-1.58	20.27
1582	Shell-Thick	SLU-STATICA	-2.0558	11.0153	-1.56	38.79
1582	Shell-Thick	SLU-STATICA	-0.0735	16.8530	-1.56	38.79
1582	Shell-Thick	SLU-STATICA	0.1744	17.3740	-1.56	38.79
1582	Shell-Thick	SLU-STATICA	-1.8365	11.5649	-1.56	38.79
1582	Shell-Thick	SLU-SISMICA	-1.9952	20.7407	0.86	55.54
1582	Shell-Thick	SLU-SISMICA	0.9084	29.1074	0.53	55.54
1582	Shell-Thick	SLU-SISMICA	0.8083	29.8026	0.53	55.87
1582	Shell-Thick	SLU-SISMICA	-2.1033	21.4438	0.86	55.87
1582	Shell-Thick	SLE-RARA	-1.5608	7.8622	-1.30	28.56
1582	Shell-Thick	SLE-RARA	-0.1046	12.1596	-1.28	28.56
1582	Shell-Thick	SLE-RARA	0.1006	12.5457	-1.28	28.54
1582	Shell-Thick	SLE-RARA	-1.3783	8.2710	-1.30	28.54
1582	Shell-Thick	SLE-FREQ.	-1.5273	6.8691	-1.47	26.48
1582	Shell-Thick	SLE-FREQ.	-0.1827	10.8527	-1.42	26.48
1582	Shell-Thick	SLE-FREQ.	0.0460	11.2150	-1.42	26.43
1582	Shell-Thick	SLE-FREQ.	-1.3224	7.2552	-1.47	26.43
1582	Shell-Thick	SLE-QP	-1.4268	3.8898	-1.97	20.24
1582	Shell-Thick	SLE-QP	-0.4171	6.9321	-1.84	20.24
1582	Shell-Thick	SLE-QP	-0.1177	7.2228	-1.84	20.11
1582	Shell-Thick	SLE-QP	-1.1547	4.2078	-1.97	20.11
1583	Shell-Thick	SLU-STATICA	-1.8127	11.6105	-2.07	38.84
1583	Shell-Thick	SLU-STATICA	0.5837	17.4150	-1.96	38.84
1583	Shell-Thick	SLU-STATICA	0.8691	17.9353	-1.96	38.72
1583	Shell-Thick	SLU-STATICA	-1.4929	12.0965	-2.07	38.72
1583	Shell-Thick	SLU-SISMICA	-1.8024	21.5647	-4.664E-02	55.95
1583	Shell-Thick	SLU-SISMICA	1.7534	29.9309	-0.21	55.95
1583	Shell-Thick	SLU-SISMICA	1.7278	30.6311	-0.21	56.11
1583	Shell-Thick	SLU-SISMICA	-1.7388	22.1755	-4.664E-02	56.11
1583	Shell-Thick	SLE-RARA	-1.3741	8.3018	-1.67	28.58
1583	Shell-Thick	SLE-RARA	0.3840	12.5724	-1.57	28.58
1583	Shell-Thick	SLE-RARA	0.6158	12.9577	-1.57	28.47
1583	Shell-Thick	SLE-RARA	-1.1190	8.6638	-1.67	28.47
1583	Shell-Thick	SLE-FREQ.	-1.3410	7.2790	-1.80	26.47

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1583	Shell-Thick	SLE-FREQ.	0.2784	11.2339	-1.68	26.47
1583	Shell-Thick	SLE-FREQ.	0.5300	11.5949	-1.68	26.34
1583	Shell-Thick	SLE-FREQ.	-1.0712	7.6219	-1.80	26.34
1583	Shell-Thick	SLE-QP	-1.2420	4.2108	-2.17	20.13
1583	Shell-Thick	SLE-QP	-0.0384	7.2182	-1.99	20.13
1583	Shell-Thick	SLE-QP	0.2728	7.5064	-1.99	19.95
1583	Shell-Thick	SLE-QP	-0.9278	4.4961	-2.17	19.95
1584	Shell-Thick	SLU-STATICA	-1.1224	12.1381	-2.30	38.68
1584	Shell-Thick	SLU-STATICA	0.7487	17.9438	-2.12	38.68
1584	Shell-Thick	SLU-STATICA	1.0564	18.3271	-2.12	38.53
1584	Shell-Thick	SLU-STATICA	-0.8477	12.5437	-2.30	38.53
1584	Shell-Thick	SLU-SISMICA	-0.9381	22.2887	-0.62	56.05
1584	Shell-Thick	SLU-SISMICA	1.8736	30.7072	-0.68	56.05
1584	Shell-Thick	SLU-SISMICA	1.9606	31.2222	-0.68	56.11
1584	Shell-Thick	SLU-SISMICA	-0.8534	22.8052	-0.62	56.11
1584	Shell-Thick	SLE-RARA	-0.8596	8.6917	-1.83	28.45
1584	Shell-Thick	SLE-RARA	0.5113	12.9608	-1.68	28.45
1584	Shell-Thick	SLE-RARA	0.7555	13.2446	-1.68	28.32
1584	Shell-Thick	SLE-RARA	-0.6421	8.9936	-1.83	28.32
1584	Shell-Thick	SLE-FREQ.	-0.8536	7.6432	-1.92	26.32
1584	Shell-Thick	SLE-FREQ.	0.4062	11.5923	-1.76	26.32
1584	Shell-Thick	SLE-FREQ.	0.6625	11.8583	-1.76	26.18
1584	Shell-Thick	SLE-FREQ.	-0.6258	7.9285	-1.92	26.18
1584	Shell-Thick	SLE-QP	-0.8355	4.4977	-2.20	19.93
1584	Shell-Thick	SLE-QP	0.0911	7.4869	-1.99	19.93
1584	Shell-Thick	SLE-QP	0.3837	7.6994	-1.99	19.75
1584	Shell-Thick	SLE-QP	-0.5769	4.7333	-2.20	19.75
1585	Shell-Thick	SLU-STATICA	-0.9724	12.5618	-2.35	38.58
1585	Shell-Thick	SLU-STATICA	1.2834	18.3294	-2.12	38.58
1585	Shell-Thick	SLU-STATICA	1.5047	18.6360	-2.12	38.41
1585	Shell-Thick	SLU-STATICA	-0.7039	12.8508	-2.35	38.41
1585	Shell-Thick	SLU-SISMICA	-0.8293	22.8756	-0.97	56.19
1585	Shell-Thick	SLU-SISMICA	2.5788	31.2803	-0.93	56.19
1585	Shell-Thick	SLU-SISMICA	2.6162	31.6972	-0.93	56.16
1585	Shell-Thick	SLU-SISMICA	-0.6583	23.2427	-0.97	56.16
1585	Shell-Thick	SLE-RARA	-0.7439	9.0047	-1.85	28.36
1585	Shell-Thick	SLE-RARA	0.9080	13.2436	-1.66	28.36
1585	Shell-Thick	SLE-RARA	1.0848	13.4704	-1.66	28.22
1585	Shell-Thick	SLE-RARA	-0.5357	9.2198	-1.85	28.22
1585	Shell-Thick	SLE-FREQ.	-0.7374	7.9350	-1.92	26.21
1585	Shell-Thick	SLE-FREQ.	0.7791	11.8528	-1.72	26.21
1585	Shell-Thick	SLE-FREQ.	0.9667	12.0649	-1.72	26.06
1585	Shell-Thick	SLE-FREQ.	-0.5262	8.1384	-1.92	26.06
1585	Shell-Thick	SLE-QP	-0.7176	4.7262	-2.12	19.77
1585	Shell-Thick	SLE-QP	0.3926	7.6802	-1.89	19.77
1585	Shell-Thick	SLE-QP	0.6124	7.8483	-1.89	19.60
1585	Shell-Thick	SLE-QP	-0.4979	4.8944	-2.12	19.60
1586	Shell-Thick	SLU-STATICA	-0.4959	12.8666	-2.37	38.38
1586	Shell-Thick	SLU-STATICA	1.2998	18.6208	-2.11	38.38
1586	Shell-Thick	SLU-STATICA	1.5708	18.8679	-2.11	38.18
1586	Shell-Thick	SLU-STATICA	-0.2767	13.1331	-2.37	38.18
1586	Shell-Thick	SLU-SISMICA	-0.1727	23.3046	-1.23	56.12
1586	Shell-Thick	SLU-SISMICA	2.5733	31.7239	-1.13	56.12
1586	Shell-Thick	SLU-SISMICA	2.7101	32.0624	-1.13	56.05
1586	Shell-Thick	SLU-SISMICA	-0.0510	23.6488	-1.23	56.05
1586	Shell-Thick	SLE-RARA	-0.3919	9.2294	-1.85	28.19
1586	Shell-Thick	SLE-RARA	0.9215	13.4569	-1.64	28.19
1586	Shell-Thick	SLE-RARA	1.1335	13.6395	-1.64	28.04
1586	Shell-Thick	SLE-RARA	-0.2209	9.4275	-1.85	28.04
1586	Shell-Thick	SLE-FREQ.	-0.4088	8.1441	-1.90	26.04
1586	Shell-Thick	SLE-FREQ.	0.7941	12.0482	-1.68	26.04
1586	Shell-Thick	SLE-FREQ.	1.0119	12.2189	-1.68	25.88
1586	Shell-Thick	SLE-FREQ.	-0.2340	8.3309	-1.90	25.88
1586	Shell-Thick	SLE-QP	-0.4594	4.8879	-2.04	19.58
1586	Shell-Thick	SLE-QP	0.4120	7.8224	-1.80	19.58
1586	Shell-Thick	SLE-QP	0.6472	7.9570	-1.80	19.40
1586	Shell-Thick	SLE-QP	-0.2734	5.0409	-2.04	19.40
1587	Shell-Thick	SLU-STATICA	-0.4045	13.1368	-2.42	38.22
1587	Shell-Thick	SLU-STATICA	1.6023	18.8449	-2.09	38.22

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1587	Shell-Thick	SLU-STATICA	1.9369	19.1442	-2.09	37.89
1587	Shell-Thick	SLU-STATICA	-0.0609	13.4273	-2.42	37.89
1587	Shell-Thick	SLU-SISMICA	-0.0177	23.7018	-1.54	56.11
1587	Shell-Thick	SLU-SISMICA	3.0393	32.0819	-1.34	56.11
1587	Shell-Thick	SLU-SISMICA	3.2269	32.5032	-1.34	55.91
1587	Shell-Thick	SLU-SISMICA	0.2261	24.0670	-1.54	55.91
1587	Shell-Thick	SLE-RARA	-0.3257	9.4279	-1.88	28.07
1587	Shell-Thick	SLE-RARA	1.1426	13.6200	-1.62	28.07
1587	Shell-Thick	SLE-RARA	1.4034	13.8407	-1.62	27.81
1587	Shell-Thick	SLE-RARA	-0.0604	9.6443	-1.88	27.81
1587	Shell-Thick	SLE-FREQ.	-0.3495	8.3272	-1.91	25.90
1587	Shell-Thick	SLE-FREQ.	0.9963	12.1964	-1.65	25.90
1587	Shell-Thick	SLE-FREQ.	1.2628	12.4016	-1.65	25.64
1587	Shell-Thick	SLE-FREQ.	-0.0825	8.5321	-1.91	25.64
1587	Shell-Thick	SLE-QP	-0.4208	5.0251	-1.99	19.42
1587	Shell-Thick	SLE-QP	0.5575	7.9254	-1.71	19.42
1587	Shell-Thick	SLE-QP	0.8410	8.0843	-1.71	19.14
1587	Shell-Thick	SLE-QP	-0.1488	5.1956	-1.99	19.14
1588	Shell-Thick	SLU-STATICA	-0.0461	13.4262	-2.49	37.88
1588	Shell-Thick	SLU-STATICA	1.7129	19.1035	-2.13	37.88
1588	Shell-Thick	SLU-STATICA	2.0774	19.3189	-2.13	37.52
1588	Shell-Thick	SLU-STATICA	0.2832	13.6771	-2.49	37.52
1588	Shell-Thick	SLU-SISMICA	0.4988	24.1209	-1.86	55.91
1588	Shell-Thick	SLU-SISMICA	3.2069	32.4998	-1.59	55.91
1588	Shell-Thick	SLU-SISMICA	3.4712	32.8099	-1.59	55.64
1588	Shell-Thick	SLU-SISMICA	0.7525	24.4418	-1.86	55.64
1588	Shell-Thick	SLE-RARA	-0.0621	9.6407	-1.92	27.81
1588	Shell-Thick	SLE-RARA	1.2235	13.8080	-1.64	27.81
1588	Shell-Thick	SLE-RARA	1.5047	13.9665	-1.64	27.52
1588	Shell-Thick	SLE-RARA	0.1912	9.8273	-1.92	27.52
1588	Shell-Thick	SLE-FREQ.	-0.1053	8.5241	-1.93	25.64
1588	Shell-Thick	SLE-FREQ.	1.0706	12.3666	-1.64	25.64
1588	Shell-Thick	SLE-FREQ.	1.3531	12.5134	-1.64	25.36
1588	Shell-Thick	SLE-FREQ.	0.1479	8.7004	-1.93	25.36
1588	Shell-Thick	SLE-QP	-0.2351	5.1743	-1.94	19.14
1588	Shell-Thick	SLE-QP	0.6117	8.0425	-1.65	19.14
1588	Shell-Thick	SLE-QP	0.8981	8.1542	-1.65	18.85
1588	Shell-Thick	SLE-QP	0.0181	5.3195	-1.94	18.85
1589	Shell-Thick	SLU-STATICA	0.1020	13.6614	-2.60	37.54
1589	Shell-Thick	SLU-STATICA	1.9366	19.2703	-2.19	37.54
1589	Shell-Thick	SLU-STATICA	2.2997	19.4287	-2.19	37.13
1589	Shell-Thick	SLU-STATICA	0.4572	13.8280	-2.60	37.13
1589	Shell-Thick	SLU-SISMICA	0.7327	24.4731	-2.18	55.69
1589	Shell-Thick	SLU-SISMICA	3.5539	32.7912	-1.84	55.69
1589	Shell-Thick	SLU-SISMICA	3.8395	33.0233	-1.84	55.34
1589	Shell-Thick	SLU-SISMICA	1.0503	24.6736	-2.18	55.34
1589	Shell-Thick	SLE-RARA	0.0459	9.8131	-1.99	27.54
1589	Shell-Thick	SLE-RARA	1.3869	13.9282	-1.68	27.54
1589	Shell-Thick	SLE-RARA	1.6659	14.0445	-1.68	27.23
1589	Shell-Thick	SLE-RARA	0.3169	9.9376	-1.99	27.23
1589	Shell-Thick	SLE-FREQ.	-0.0071	8.6826	-1.97	25.37
1589	Shell-Thick	SLE-FREQ.	1.2198	12.4736	-1.66	25.37
1589	Shell-Thick	SLE-FREQ.	1.4983	12.5810	-1.66	25.06
1589	Shell-Thick	SLE-FREQ.	0.2604	8.8013	-1.97	25.06
1589	Shell-Thick	SLE-QP	-0.1660	5.2912	-1.93	18.86
1589	Shell-Thick	SLE-QP	0.7185	8.1098	-1.63	18.86
1589	Shell-Thick	SLE-QP	0.9954	8.1905	-1.63	18.56
1589	Shell-Thick	SLE-QP	0.0907	5.3923	-1.93	18.56
1590	Shell-Thick	SLU-STATICA	0.3234	13.8014	-2.73	37.13
1590	Shell-Thick	SLU-STATICA	1.9897	19.3666	-2.29	37.13
1590	Shell-Thick	SLU-STATICA	2.3908	19.4633	-2.29	36.69
1590	Shell-Thick	SLU-STATICA	0.6760	13.9469	-2.73	36.69
1590	Shell-Thick	SLU-SISMICA	1.0825	24.6875	-2.51	55.35
1590	Shell-Thick	SLU-SISMICA	3.6677	32.9815	-2.10	55.35
1590	Shell-Thick	SLU-SISMICA	4.0287	33.1292	-2.10	54.94
1590	Shell-Thick	SLU-SISMICA	1.4133	24.8658	-2.51	54.94
1590	Shell-Thick	SLE-RARA	0.2072	9.9155	-2.08	27.23
1590	Shell-Thick	SLE-RARA	1.4241	13.9964	-1.74	27.23
1590	Shell-Thick	SLE-RARA	1.7300	14.0672	-1.74	26.89

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1590	Shell-Thick	SLE-RARA	0.4755	10.0241	-2.08	26.89
1590	Shell-Thick	SLE-FREQ.	0.1397	8.7763	-2.05	25.06
1590	Shell-Thick	SLE-FREQ.	1.2511	12.5324	-1.72	25.06
1590	Shell-Thick	SLE-FREQ.	1.5528	12.5973	-1.72	24.73
1590	Shell-Thick	SLE-FREQ.	0.4032	8.8796	-2.05	24.73
1590	Shell-Thick	SLE-QP	-0.0628	5.3590	-1.95	18.55
1590	Shell-Thick	SLE-QP	0.7320	8.1405	-1.63	18.55
1590	Shell-Thick	SLE-QP	1.0210	8.1875	-1.63	18.24
1590	Shell-Thick	SLE-QP	0.1862	5.4462	-1.95	18.24
1591	Shell-Thick	SLU-STATICA	0.4080	13.9063	-2.91	36.70
1591	Shell-Thick	SLU-STATICA	2.0994	19.3921	-2.42	36.70
1591	Shell-Thick	SLU-STATICA	2.5117	19.4310	-2.42	36.22
1591	Shell-Thick	SLU-STATICA	0.7955	13.9703	-2.91	36.22
1591	Shell-Thick	SLU-SISMICA	1.2497	24.8584	-2.85	54.97
1591	Shell-Thick	SLU-SISMICA	3.8650	33.0711	-2.37	54.97
1591	Shell-Thick	SLU-SISMICA	4.2536	33.1309	-2.37	54.49
1591	Shell-Thick	SLU-SISMICA	1.6453	24.9115	-2.85	54.49
1591	Shell-Thick	SLE-RARA	0.2672	9.9917	-2.20	26.90
1591	Shell-Thick	SLE-RARA	1.5028	14.0126	-1.84	26.90
1591	Shell-Thick	SLE-RARA	1.8164	14.0410	-1.84	26.53
1591	Shell-Thick	SLE-RARA	0.5605	10.0407	-2.20	26.53
1591	Shell-Thick	SLE-FREQ.	0.1914	8.8453	-2.15	24.73
1591	Shell-Thick	SLE-FREQ.	1.3207	12.5429	-1.80	24.73
1591	Shell-Thick	SLE-FREQ.	1.6284	12.5690	-1.80	24.38
1591	Shell-Thick	SLE-FREQ.	0.4768	8.8940	-2.15	24.38
1591	Shell-Thick	SLE-QP	-0.0359	5.4060	-2.00	18.24
1591	Shell-Thick	SLE-QP	0.7742	8.1339	-1.67	18.24
1591	Shell-Thick	SLE-QP	1.0646	8.1527	-1.67	17.91
1591	Shell-Thick	SLE-QP	0.2259	5.4538	-2.00	17.91
1592	Shell-Thick	SLU-STATICA	0.5133	13.9169	-3.13	36.22
1592	Shell-Thick	SLU-STATICA	2.1035	19.3463	-2.61	36.22
1592	Shell-Thick	SLU-STATICA	2.5653	19.3504	-2.61	35.69
1592	Shell-Thick	SLU-STATICA	0.9123	13.9843	-3.13	35.69
1592	Shell-Thick	SLU-SISMICA	1.4439	24.8845	-3.23	54.50
1592	Shell-Thick	SLU-SISMICA	3.9214	33.0512	-2.68	54.50
1592	Shell-Thick	SLU-SISMICA	4.3912	33.0602	-2.68	53.95
1592	Shell-Thick	SLU-SISMICA	1.8617	24.9458	-3.23	53.95
1592	Shell-Thick	SLE-RARA	0.3426	9.9989	-2.37	26.53
1592	Shell-Thick	SLE-RARA	1.5033	13.9766	-1.97	26.53
1592	Shell-Thick	SLE-RARA	1.8529	13.9795	-1.97	26.14
1592	Shell-Thick	SLE-RARA	0.6440	10.0503	-2.37	26.14
1592	Shell-Thick	SLE-FREQ.	0.2577	8.8511	-2.30	24.37
1592	Shell-Thick	SLE-FREQ.	1.3168	12.5057	-1.92	24.37
1592	Shell-Thick	SLE-FREQ.	1.6571	12.5081	-1.92	23.99
1592	Shell-Thick	SLE-FREQ.	0.5501	8.9017	-2.30	23.99
1592	Shell-Thick	SLE-QP	0.0029	5.4075	-2.10	17.90
1592	Shell-Thick	SLE-QP	0.7574	8.0930	-1.75	17.90
1592	Shell-Thick	SLE-QP	1.0699	8.0940	-1.75	17.56
1592	Shell-Thick	SLE-QP	0.2684	5.4558	-2.10	17.56
1593	Shell-Thick	SLU-STATICA	0.5445	13.9176	-3.40	35.70
1593	Shell-Thick	SLU-STATICA	2.1178	19.2541	-2.83	35.70
1593	Shell-Thick	SLU-STATICA	2.6057	19.1998	-2.83	35.13
1593	Shell-Thick	SLU-STATICA	0.9925	13.9036	-3.40	35.13
1593	Shell-Thick	SLU-SISMICA	1.5446	24.8994	-3.65	53.97
1593	Shell-Thick	SLU-SISMICA	3.9854	32.9620	-3.02	53.97
1593	Shell-Thick	SLU-SISMICA	4.4932	32.8725	-3.02	53.34
1593	Shell-Thick	SLU-SISMICA	2.0369	24.8259	-3.65	53.34
1593	Shell-Thick	SLE-RARA	0.3628	9.9987	-2.57	26.14
1593	Shell-Thick	SLE-RARA	1.5117	13.9066	-2.14	26.14
1593	Shell-Thick	SLE-RARA	1.8804	13.8672	-2.14	25.71
1593	Shell-Thick	SLE-RARA	0.7001	9.9911	-2.57	25.71
1593	Shell-Thick	SLE-FREQ.	0.2716	8.8497	-2.48	23.99
1593	Shell-Thick	SLE-FREQ.	1.3209	12.4372	-2.07	23.99
1593	Shell-Thick	SLE-FREQ.	1.6789	12.4016	-2.07	23.58
1593	Shell-Thick	SLE-FREQ.	0.5970	8.8471	-2.48	23.58
1593	Shell-Thick	SLE-QP	-0.0018	5.4026	-2.23	17.56
1593	Shell-Thick	SLE-QP	0.7487	8.0289	-1.87	17.56
1593	Shell-Thick	SLE-QP	1.0745	8.0050	-1.87	17.19
1593	Shell-Thick	SLE-QP	0.2877	5.4153	-2.23	17.19



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1594	Shell-Thick	SLU-STATICA	0.5558	13.8226	-3.75	35.13
1594	Shell-Thick	SLU-STATICA	2.0822	19.0887	-3.13	35.13
1594	Shell-Thick	SLU-STATICA	2.6365	19.0305	-3.13	34.51
1594	Shell-Thick	SLU-STATICA	1.0335	13.8416	-3.75	34.51
1594	Shell-Thick	SLU-SISMICA	1.6040	24.7586	-4.12	53.36
1594	Shell-Thick	SLU-SISMICA	3.9893	32.7525	-3.42	53.36
1594	Shell-Thick	SLU-SISMICA	4.5919	32.6521	-3.42	52.65
1594	Shell-Thick	SLU-SISMICA	2.1336	24.7317	-4.12	52.65
1594	Shell-Thick	SLE-RARA	0.3689	9.9291	-2.82	25.71
1594	Shell-Thick	SLE-RARA	1.4827	13.7834	-2.36	25.71
1594	Shell-Thick	SLE-RARA	1.9004	13.7415	-2.36	25.25
1594	Shell-Thick	SLE-RARA	0.7283	9.9458	-2.82	25.25
1594	Shell-Thick	SLE-FREQ.	0.2737	8.7855	-2.72	23.58
1594	Shell-Thick	SLE-FREQ.	1.2894	12.3207	-2.27	23.58
1594	Shell-Thick	SLE-FREQ.	1.6928	12.2832	-2.27	23.13
1594	Shell-Thick	SLE-FREQ.	0.6200	8.8056	-2.72	23.13
1594	Shell-Thick	SLE-QP	-0.0120	5.3549	-2.42	17.18
1594	Shell-Thick	SLE-QP	0.7095	7.9324	-2.03	17.18
1594	Shell-Thick	SLE-QP	1.0702	7.9085	-2.03	16.79
1594	Shell-Thick	SLE-QP	0.2949	5.3850	-2.42	16.79
1595	Shell-Thick	SLU-STATICA	0.5516	13.7484	-4.16	34.51
1595	Shell-Thick	SLU-STATICA	2.0221	18.9045	-3.48	34.51
1595	Shell-Thick	SLU-STATICA	2.6219	18.7849	-3.48	33.83
1595	Shell-Thick	SLU-STATICA	1.0992	13.6813	-4.16	33.83
1595	Shell-Thick	SLU-SISMICA	1.6543	24.6478	-4.66	52.66
1595	Shell-Thick	SLU-SISMICA	3.9433	32.5104	-3.86	52.66
1595	Shell-Thick	SLU-SISMICA	4.5994	32.2965	-3.86	51.86
1595	Shell-Thick	SLU-SISMICA	2.2769	24.4680	-4.66	51.86
1595	Shell-Thick	SLE-RARA	0.3630	9.8746	-3.13	25.25
1595	Shell-Thick	SLE-RARA	1.4365	13.6468	-2.62	25.25
1595	Shell-Thick	SLE-RARA	1.8882	13.5608	-2.62	24.74
1595	Shell-Thick	SLE-RARA	0.7743	9.8294	-3.13	24.74
1595	Shell-Thick	SLE-FREQ.	0.2634	8.7354	-3.01	23.13
1595	Shell-Thick	SLE-FREQ.	1.2432	12.1921	-2.52	23.13
1595	Shell-Thick	SLE-FREQ.	1.6791	12.1161	-2.52	22.65
1595	Shell-Thick	SLE-FREQ.	0.6584	8.7006	-3.01	22.65
1595	Shell-Thick	SLE-QP	-0.0353	5.3178	-2.66	16.79
1595	Shell-Thick	SLE-QP	0.6633	7.8283	-2.24	16.79
1595	Shell-Thick	SLE-QP	1.0519	7.7818	-2.24	16.37
1595	Shell-Thick	SLE-QP	0.3108	5.3141	-2.66	16.37
1596	Shell-Thick	SLU-STATICA	0.4998	13.5729	-4.68	33.84
1596	Shell-Thick	SLU-STATICA	1.9642	18.6418	-3.93	33.84
1596	Shell-Thick	SLU-STATICA	2.6547	18.5548	-3.93	33.10
1596	Shell-Thick	SLU-STATICA	1.1019	13.5748	-4.68	33.10
1596	Shell-Thick	SLU-SISMICA	1.6132	24.3630	-5.29	51.89
1596	Shell-Thick	SLU-SISMICA	3.9116	32.1313	-4.40	51.89
1596	Shell-Thick	SLU-SISMICA	4.6844	31.9550	-4.40	50.99
1596	Shell-Thick	SLU-SISMICA	2.2952	24.2782	-5.29	50.99
1596	Shell-Thick	SLE-RARA	0.3233	9.7471	-3.51	24.74
1596	Shell-Thick	SLE-RARA	1.3913	13.4535	-2.96	24.74
1596	Shell-Thick	SLE-RARA	1.9104	13.3920	-2.96	24.19
1596	Shell-Thick	SLE-RARA	0.7755	9.7528	-3.51	24.19
1596	Shell-Thick	SLE-FREQ.	0.2238	8.6201	-3.38	22.65
1596	Shell-Thick	SLE-FREQ.	1.1970	12.0132	-2.85	22.65
1596	Shell-Thick	SLE-FREQ.	1.6965	11.9606	-2.85	22.12
1596	Shell-Thick	SLE-FREQ.	0.6583	8.6328	-3.38	22.12
1596	Shell-Thick	SLE-QP	-0.0746	5.2389	-2.96	16.37
1596	Shell-Thick	SLE-QP	0.6140	7.6924	-2.51	16.37
1596	Shell-Thick	SLE-QP	1.0548	7.6662	-2.51	15.92
1596	Shell-Thick	SLE-QP	0.3068	5.2725	-2.96	15.92
1597	Shell-Thick	SLU-STATICA	0.4919	13.4556	-5.28	33.10
1597	Shell-Thick	SLU-STATICA	1.8621	18.3934	-4.47	33.10
1597	Shell-Thick	SLU-STATICA	2.6243	18.2363	-4.47	32.28
1597	Shell-Thick	SLU-STATICA	1.1940	13.3591	-5.28	32.28
1597	Shell-Thick	SLU-SISMICA	1.6451	24.1599	-6.00	51.00
1597	Shell-Thick	SLU-SISMICA	3.7913	31.7646	-5.00	51.00
1597	Shell-Thick	SLU-SISMICA	4.6395	31.4505	-5.00	50.00
1597	Shell-Thick	SLU-SISMICA	2.4482	23.8918	-6.00	50.00
1597	Shell-Thick	SLE-RARA	0.3153	9.6625	-3.97	24.19



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1597	Shell-Thick	SLE-RARA	1.3149	13.2712	-3.36	24.19
1597	Shell-Thick	SLE-RARA	1.8881	13.1599	-3.36	23.58
1597	Shell-Thick	SLE-RARA	0.8422	9.5979	-3.97	23.58
1597	Shell-Thick	SLE-FREQ.	0.2127	8.5446	-3.81	22.12
1597	Shell-Thick	SLE-FREQ.	1.1240	11.8451	-3.23	22.12
1597	Shell-Thick	SLE-FREQ.	1.6759	11.7495	-3.23	21.54
1597	Shell-Thick	SLE-FREQ.	0.7184	8.4957	-3.81	21.54
1597	Shell-Thick	SLE-QP	-0.0949	5.1908	-3.34	15.91
1597	Shell-Thick	SLE-QP	0.5511	7.5669	-2.86	15.91
1597	Shell-Thick	SLE-QP	1.0394	7.5182	-2.86	15.43
1597	Shell-Thick	SLE-QP	0.3469	5.1890	-3.34	15.43
1598	Shell-Thick	SLU-STATICA	0.4265	13.2248	-6.03	32.30
1598	Shell-Thick	SLU-STATICA	1.8175	18.0557	-5.14	32.30
1598	Shell-Thick	SLU-STATICA	2.7041	17.9763	-5.14	31.41
1598	Shell-Thick	SLU-STATICA	1.2168	13.2424	-6.03	31.41
1598	Shell-Thick	SLU-SISMICA	1.5564	23.7533	-6.85	50.04
1598	Shell-Thick	SLU-SISMICA	3.7583	31.2344	-5.73	50.04
1598	Shell-Thick	SLU-SISMICA	4.7543	31.0216	-5.73	48.93
1598	Shell-Thick	SLU-SISMICA	2.4490	23.6447	-6.85	48.93
1598	Shell-Thick	SLE-RARA	0.2669	9.4964	-4.53	23.59
1598	Shell-Thick	SLE-RARA	1.2805	13.0249	-3.87	23.59
1598	Shell-Thick	SLE-RARA	1.9469	12.9713	-3.87	22.93
1598	Shell-Thick	SLE-RARA	0.8606	9.5160	-4.53	22.93
1598	Shell-Thick	SLE-FREQ.	0.1675	8.3970	-4.35	21.55
1598	Shell-Thick	SLE-FREQ.	1.0894	11.6207	-3.72	21.55
1598	Shell-Thick	SLE-FREQ.	1.7304	11.5794	-3.72	20.92
1598	Shell-Thick	SLE-FREQ.	0.7381	8.4265	-4.35	20.92
1598	Shell-Thick	SLE-QP	-0.1308	5.0988	-3.81	15.43
1598	Shell-Thick	SLE-QP	0.5162	7.4081	-3.29	15.43
1598	Shell-Thick	SLE-QP	1.0809	7.4037	-3.29	14.91
1598	Shell-Thick	SLE-QP	0.3707	5.1580	-3.81	14.91
1599	Shell-Thick	SLU-STATICA	0.6439	13.1294	-6.70	31.41
1599	Shell-Thick	SLU-STATICA	1.8736	17.8087	-5.77	31.41
1599	Shell-Thick	SLU-STATICA	2.5422	17.6735	-5.77	30.79
1599	Shell-Thick	SLU-STATICA	1.2212	13.0188	-6.70	30.79
1599	Shell-Thick	SLU-SISMICA	1.8260	23.5283	-7.58	48.93
1599	Shell-Thick	SLU-SISMICA	3.7888	30.8203	-6.40	48.93
1599	Shell-Thick	SLU-SISMICA	4.5162	30.5211	-6.40	48.15
1599	Shell-Thick	SLU-SISMICA	2.4950	23.2450	-7.58	48.15
1599	Shell-Thick	SLE-RARA	0.4290	9.4305	-5.03	22.93
1599	Shell-Thick	SLE-RARA	1.3243	12.8460	-4.34	22.93
1599	Shell-Thick	SLE-RARA	1.8279	12.7517	-4.34	22.47
1599	Shell-Thick	SLE-RARA	0.8619	9.3554	-5.03	22.47
1599	Shell-Thick	SLE-FREQ.	0.3213	8.3434	-4.84	20.92
1599	Shell-Thick	SLE-FREQ.	1.1342	11.4600	-4.18	20.92
1599	Shell-Thick	SLE-FREQ.	1.6206	11.3815	-4.18	20.49
1599	Shell-Thick	SLE-FREQ.	0.7359	8.2843	-4.84	20.49
1599	Shell-Thick	SLE-QP	-0.0019	5.0820	-4.25	14.90
1599	Shell-Thick	SLE-QP	0.5641	7.3018	-3.71	14.90
1599	Shell-Thick	SLE-QP	0.9987	7.2708	-3.71	14.55
1599	Shell-Thick	SLE-QP	0.3581	5.0711	-4.25	14.55
1600	Shell-Thick	SLU-STATICA	0.4429	12.8899	-7.37	30.82
1600	Shell-Thick	SLU-STATICA	1.7591	17.4901	-6.35	30.82
1600	Shell-Thick	SLU-STATICA	2.8388	17.4339	-6.35	29.80
1600	Shell-Thick	SLU-STATICA	1.4230	12.9340	-7.37	29.80
1600	Shell-Thick	SLU-SISMICA	1.5468	23.1060	-8.36	48.20
1600	Shell-Thick	SLU-SISMICA	3.6556	30.2983	-7.04	48.20
1600	Shell-Thick	SLU-SISMICA	4.8658	30.0751	-7.04	46.88
1600	Shell-Thick	SLU-SISMICA	2.6481	22.9926	-8.36	46.88
1600	Shell-Thick	SLE-RARA	0.2806	9.2582	-5.54	22.49
1600	Shell-Thick	SLE-RARA	1.2385	12.6148	-4.78	22.49
1600	Shell-Thick	SLE-RARA	2.0500	12.5805	-4.78	21.73
1600	Shell-Thick	SLE-RARA	1.0172	9.2994	-5.54	21.73
1600	Shell-Thick	SLE-FREQ.	0.1829	8.1904	-5.32	20.50
1600	Shell-Thick	SLE-FREQ.	1.0521	11.2511	-4.60	20.50
1600	Shell-Thick	SLE-FREQ.	1.8329	11.2314	-4.60	19.79
1600	Shell-Thick	SLE-FREQ.	0.8914	8.2435	-5.32	19.79
1600	Shell-Thick	SLE-QP	-0.1100	4.9868	-4.67	14.55
1600	Shell-Thick	SLE-QP	0.4929	7.1602	-4.08	14.55

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1600	Shell-Thick	SLE-QP	1.1815	7.1842	-4.08	13.97
1600	Shell-Thick	SLE-QP	0.5141	5.0757	-4.67	13.97
1601	Shell-Thick	SLU-STATICA	0.5724	12.7769	-8.03	29.81
1601	Shell-Thick	SLU-STATICA	1.7298	17.1990	-6.93	29.81
1601	Shell-Thick	SLU-STATICA	2.8825	16.9935	-6.93	28.71
1601	Shell-Thick	SLU-STATICA	1.6660	12.6314	-8.03	28.71
1601	Shell-Thick	SLU-SISMICA	1.6894	22.8288	-9.16	46.91
1601	Shell-Thick	SLU-SISMICA	3.5560	29.7852	-7.71	46.91
1601	Shell-Thick	SLU-SISMICA	4.8445	29.2932	-7.71	45.46
1601	Shell-Thick	SLU-SISMICA	2.9336	22.3821	-9.16	45.46
1601	Shell-Thick	SLE-RARA	0.3781	9.1808	-6.03	21.73
1601	Shell-Thick	SLE-RARA	1.2197	12.4053	-5.21	21.73
1601	Shell-Thick	SLE-RARA	2.0864	12.2638	-5.21	20.92
1601	Shell-Thick	SLE-RARA	1.1992	9.0855	-6.03	20.92
1601	Shell-Thick	SLE-FREQ.	0.2770	8.1283	-5.79	19.79
1601	Shell-Thick	SLE-FREQ.	1.0396	11.0650	-5.02	19.79
1601	Shell-Thick	SLE-FREQ.	1.8737	10.9506	-5.02	19.02
1601	Shell-Thick	SLE-FREQ.	1.0655	8.0601	-5.79	19.02
1601	Shell-Thick	SLE-QP	-0.0264	4.9710	-5.06	13.97
1601	Shell-Thick	SLE-QP	0.4991	7.0444	-4.44	13.97
1601	Shell-Thick	SLE-QP	1.2357	7.0111	-4.44	13.35
1601	Shell-Thick	SLE-QP	0.6643	4.9841	-5.06	13.35
1602	Shell-Thick	SLU-STATICA	0.6193	12.4631	-8.63	28.75
1602	Shell-Thick	SLU-STATICA	1.8155	16.7390	-7.45	28.75
1602	Shell-Thick	SLU-STATICA	3.0711	16.6868	-7.45	27.56
1602	Shell-Thick	SLU-STATICA	1.7776	12.5091	-8.63	27.56
1602	Shell-Thick	SLU-SISMICA	1.6703	22.2035	-9.96	45.54
1602	Shell-Thick	SLU-SISMICA	3.6274	28.9757	-8.37	45.54
1602	Shell-Thick	SLU-SISMICA	5.0565	28.7158	-8.37	43.96
1602	Shell-Thick	SLU-SISMICA	2.9923	22.0519	-9.96	43.96
1602	Shell-Thick	SLE-RARA	0.4169	8.9585	-6.47	20.95
1602	Shell-Thick	SLE-RARA	1.2854	12.0741	-5.60	20.95
1602	Shell-Thick	SLE-RARA	2.2282	12.0449	-5.60	20.07
1602	Shell-Thick	SLE-RARA	1.2864	9.0031	-6.47	20.07
1602	Shell-Thick	SLE-FREQ.	0.3202	7.9371	-6.21	19.05
1602	Shell-Thick	SLE-FREQ.	1.1048	10.7708	-5.38	19.05
1602	Shell-Thick	SLE-FREQ.	2.0101	10.7594	-5.38	18.23
1602	Shell-Thick	SLE-FREQ.	1.1549	7.9969	-6.21	18.23
1602	Shell-Thick	SLE-QP	0.0303	4.8731	-5.40	13.36
1602	Shell-Thick	SLE-QP	0.5631	6.8608	-4.74	13.36
1602	Shell-Thick	SLE-QP	1.3558	6.9027	-4.74	12.70
1602	Shell-Thick	SLE-QP	0.7602	4.9783	-5.40	12.70
1603	Shell-Thick	SLU-STATICA	0.8186	12.3430	-9.09	27.59
1603	Shell-Thick	SLU-STATICA	1.8421	16.4153	-7.84	27.59
1603	Shell-Thick	SLU-STATICA	3.1375	16.1346	-7.84	26.33
1603	Shell-Thick	SLU-STATICA	2.0649	12.1123	-9.09	26.33
1603	Shell-Thick	SLU-SISMICA	1.8903	21.8795	-10.61	44.01
1603	Shell-Thick	SLU-SISMICA	3.5860	28.3737	-8.90	44.01
1603	Shell-Thick	SLU-SISMICA	5.0660	27.7265	-8.90	42.30
1603	Shell-Thick	SLU-SISMICA	3.3397	21.2641	-10.61	42.30
1603	Shell-Thick	SLE-RARA	0.5669	8.8776	-6.81	20.09
1603	Shell-Thick	SLE-RARA	1.3089	11.8427	-5.89	20.09
1603	Shell-Thick	SLE-RARA	2.2813	11.6482	-5.89	19.16
1603	Shell-Thick	SLE-RARA	1.5012	8.7220	-6.81	19.16
1603	Shell-Thick	SLE-FREQ.	0.4648	7.8750	-6.52	18.24
1603	Shell-Thick	SLE-FREQ.	1.1333	10.5679	-5.65	18.24
1603	Shell-Thick	SLE-FREQ.	2.0666	10.4084	-5.65	17.37
1603	Shell-Thick	SLE-FREQ.	1.3594	7.7548	-6.52	17.37
1603	Shell-Thick	SLE-QP	0.1587	4.8672	-5.64	12.71
1603	Shell-Thick	SLE-QP	0.6065	6.7437	-4.96	12.71
1603	Shell-Thick	SLE-QP	1.4224	6.6889	-4.96	12.02
1603	Shell-Thick	SLE-QP	0.9341	4.8533	-5.64	12.02
1604	Shell-Thick	SLU-STATICA	0.9308	11.9405	-9.53	26.39
1604	Shell-Thick	SLU-STATICA	1.9707	15.8462	-8.19	26.39
1604	Shell-Thick	SLU-STATICA	3.3442	15.7688	-8.19	25.05
1604	Shell-Thick	SLU-STATICA	2.2163	11.9521	-9.53	25.05
1604	Shell-Thick	SLU-SISMICA	1.9600	21.0840	-11.29	42.40
1604	Shell-Thick	SLU-SISMICA	3.7070	27.3589	-9.43	42.40
1604	Shell-Thick	SLU-SISMICA	5.3105	27.0361	-9.43	40.54

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1604	Shell-Thick	SLU-SISMICA	3.4677	20.8584	-11.29	40.54
1604	Shell-Thick	SLE-RARA	0.6540	8.5922	-7.13	19.20
1604	Shell-Thick	SLE-RARA	1.4068	11.4337	-6.14	19.20
1604	Shell-Thick	SLE-RARA	2.4360	11.3872	-6.14	18.21
1604	Shell-Thick	SLE-RARA	1.6170	8.6128	-7.13	18.21
1604	Shell-Thick	SLE-FREQ.	0.5533	7.6289	-6.81	17.41
1604	Shell-Thick	SLE-FREQ.	1.2294	10.2057	-5.89	17.41
1604	Shell-Thick	SLE-FREQ.	2.2144	10.1805	-5.89	16.49
1604	Shell-Thick	SLE-FREQ.	1.4743	7.6685	-6.81	16.49
1604	Shell-Thick	SLE-QP	0.2512	4.7391	-5.85	12.04
1604	Shell-Thick	SLE-QP	0.6973	6.5215	-5.13	12.04
1604	Shell-Thick	SLE-QP	1.5494	6.5603	-5.13	11.32
1604	Shell-Thick	SLE-QP	1.0461	4.8356	-5.85	11.32
1605	Shell-Thick	SLU-STATICA	1.1858	11.7900	-9.80	25.10
1605	Shell-Thick	SLU-STATICA	2.0665	15.4692	-8.40	25.10
1605	Shell-Thick	SLU-STATICA	3.4488	15.0447	-8.40	23.70
1605	Shell-Thick	SLU-STATICA	2.5358	11.3989	-9.80	23.70
1605	Shell-Thick	SLU-SISMICA	2.2629	20.6946	-11.78	40.63
1605	Shell-Thick	SLU-SISMICA	3.7695	26.6507	-9.81	40.63
1605	Shell-Thick	SLU-SISMICA	5.3939	25.7598	-9.81	38.66
1605	Shell-Thick	SLU-SISMICA	3.8792	19.8133	-11.78	38.66
1605	Shell-Thick	SLE-RARA	0.8449	8.4901	-7.33	18.24
1605	Shell-Thick	SLE-RARA	1.4810	11.1645	-6.29	18.24
1605	Shell-Thick	SLE-RARA	2.5164	10.8661	-6.29	17.21
1605	Shell-Thick	SLE-RARA	1.8545	8.2181	-7.33	17.21
1605	Shell-Thick	SLE-FREQ.	0.7356	7.5489	-6.98	16.52
1605	Shell-Thick	SLE-FREQ.	1.3046	9.9704	-6.02	16.52
1605	Shell-Thick	SLE-FREQ.	2.2945	9.7176	-6.02	15.56
1605	Shell-Thick	SLE-FREQ.	1.6984	7.3240	-6.98	15.56
1605	Shell-Thick	SLE-QP	0.4075	4.7256	-5.95	11.34
1605	Shell-Thick	SLE-QP	0.7752	6.3878	-5.21	11.34
1605	Shell-Thick	SLE-QP	1.6289	6.2721	-5.21	10.60
1605	Shell-Thick	SLE-QP	1.2300	4.6416	-5.95	10.60
1606	Shell-Thick	SLU-STATICA	1.4008	11.2390	-10.07	23.77
1606	Shell-Thick	SLU-STATICA	2.2182	14.7315	-8.57	23.77
1606	Shell-Thick	SLU-STATICA	3.6530	14.5660	-8.57	22.28
1606	Shell-Thick	SLU-STATICA	2.7643	11.1459	-10.07	22.28
1606	Shell-Thick	SLU-SISMICA	2.5018	19.6521	-12.32	38.78
1606	Shell-Thick	SLU-SISMICA	3.9239	25.3515	-10.17	38.78
1606	Shell-Thick	SLU-SISMICA	5.6489	24.8873	-10.17	36.64
1606	Shell-Thick	SLU-SISMICA	4.1525	19.2638	-12.32	36.64
1606	Shell-Thick	SLE-RARA	1.0066	8.0970	-7.52	17.26
1606	Shell-Thick	SLE-RARA	1.5958	10.6335	-6.42	17.26
1606	Shell-Thick	SLE-RARA	2.6686	10.5230	-6.42	16.16
1606	Shell-Thick	SLE-RARA	2.0255	8.0412	-7.52	16.16
1606	Shell-Thick	SLE-FREQ.	0.8913	7.2060	-7.15	15.60
1606	Shell-Thick	SLE-FREQ.	1.4163	9.4986	-6.13	15.60
1606	Shell-Thick	SLE-FREQ.	2.4388	9.4153	-6.13	14.58
1606	Shell-Thick	SLE-FREQ.	1.8614	7.1758	-7.15	14.58
1606	Shell-Thick	SLE-QP	0.5454	4.5328	-6.04	10.63
1606	Shell-Thick	SLE-QP	0.8778	6.0937	-5.26	10.63
1606	Shell-Thick	SLE-QP	1.7493	6.0923	-5.26	9.85
1606	Shell-Thick	SLE-QP	1.3694	4.5796	-6.04	9.85
1607	Shell-Thick	SLU-STATICA	1.7001	11.0024	-10.12	22.35
1607	Shell-Thick	SLU-STATICA	2.4086	14.2478	-8.57	22.35
1607	Shell-Thick	SLU-STATICA	3.8174	13.5878	-8.57	20.81
1607	Shell-Thick	SLU-STATICA	3.0982	10.3542	-10.12	20.81
1607	Shell-Thick	SLU-SISMICA	2.8822	19.1267	-12.56	36.77
1607	Shell-Thick	SLU-SISMICA	4.1425	24.4691	-10.31	36.77
1607	Shell-Thick	SLU-SISMICA	5.8492	23.2117	-10.31	34.53
1607	Shell-Thick	SLU-SISMICA	4.6095	17.8504	-12.56	34.53
1607	Shell-Thick	SLE-RARA	1.2293	7.9321	-7.55	16.22
1607	Shell-Thick	SLE-RARA	1.7387	10.2869	-6.41	16.22
1607	Shell-Thick	SLE-RARA	2.7914	9.8165	-6.41	15.08
1607	Shell-Thick	SLE-RARA	2.2723	7.4723	-7.55	15.08
1607	Shell-Thick	SLE-FREQ.	1.1019	7.0689	-7.16	14.63
1607	Shell-Thick	SLE-FREQ.	1.5534	9.1932	-6.11	14.63
1607	Shell-Thick	SLE-FREQ.	2.5556	8.7835	-6.11	13.58
1607	Shell-Thick	SLE-FREQ.	2.0921	6.6720	-7.16	13.58

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1607	Shell-Thick	SLE-QP	0.7195	4.4791	-6.00	9.88
1607	Shell-Thick	SLE-QP	0.9973	5.9123	-5.21	9.88
1607	Shell-Thick	SLE-QP	1.8482	5.6847	-5.21	9.08
1607	Shell-Thick	SLE-QP	1.5514	4.2711	-6.00	9.08
1608	Shell-Thick	SLU-STATICA	2.0838	10.2212	-10.17	20.88
1608	Shell-Thick	SLU-STATICA	2.5002	13.2544	-8.49	20.88
1608	Shell-Thick	SLU-STATICA	3.9242	12.9261	-8.49	19.20
1608	Shell-Thick	SLU-STATICA	3.4603	9.9415	-10.17	19.20
1608	Shell-Thick	SLU-SISMICA	3.4070	17.7265	-12.85	34.66
1608	Shell-Thick	SLU-SISMICA	4.2074	22.7668	-10.38	34.66
1608	Shell-Thick	SLU-SISMICA	5.9717	22.0644	-10.38	32.19
1608	Shell-Thick	SLU-SISMICA	5.1287	17.0685	-12.85	32.19
1608	Shell-Thick	SLE-RARA	1.5130	7.3711	-7.57	15.14
1608	Shell-Thick	SLE-RARA	1.8095	9.5694	-6.34	15.14
1608	Shell-Thick	SLE-RARA	2.8715	9.3393	-6.34	13.90
1608	Shell-Thick	SLE-RARA	2.5389	7.1780	-7.57	13.90
1608	Shell-Thick	SLE-FREQ.	1.3670	6.5725	-7.17	13.63
1608	Shell-Thick	SLE-FREQ.	1.6245	8.5517	-6.02	13.63
1608	Shell-Thick	SLE-FREQ.	2.6324	8.3580	-6.02	12.49
1608	Shell-Thick	SLE-FREQ.	2.3392	6.4153	-7.17	12.49
1608	Shell-Thick	SLE-QP	0.9288	4.1769	-5.95	9.12
1608	Shell-Thick	SLE-QP	1.0698	5.4987	-5.09	9.12
1608	Shell-Thick	SLE-QP	1.9152	5.4142	-5.09	8.26
1608	Shell-Thick	SLE-QP	1.7401	4.1272	-5.95	8.26
1609	Shell-Thick	SLU-STATICA	2.2616	9.8112	-9.84	19.33
1609	Shell-Thick	SLU-STATICA	2.7436	12.5805	-8.14	19.33
1609	Shell-Thick	SLU-STATICA	4.0887	11.7697	-8.14	17.62
1609	Shell-Thick	SLU-STATICA	3.6163	8.9921	-9.84	17.62
1609	Shell-Thick	SLU-SISMICA	3.6117	16.9435	-12.60	32.40
1609	Shell-Thick	SLU-SISMICA	4.5289	21.5974	-10.10	32.40
1609	Shell-Thick	SLU-SISMICA	6.2096	20.1321	-10.10	29.90
1609	Shell-Thick	SLU-SISMICA	5.3383	15.4342	-12.60	29.90
1609	Shell-Thick	SLE-RARA	1.6464	7.0790	-7.32	13.99
1609	Shell-Thick	SLE-RARA	1.9900	9.0835	-6.07	13.99
1609	Shell-Thick	SLE-RARA	2.9925	8.5017	-6.07	12.74
1609	Shell-Thick	SLE-RARA	2.6544	6.4927	-7.32	12.74
1609	Shell-Thick	SLE-FREQ.	1.4949	6.3183	-6.91	12.57
1609	Shell-Thick	SLE-FREQ.	1.7942	8.1185	-5.76	12.57
1609	Shell-Thick	SLE-FREQ.	2.7444	7.6049	-5.76	11.42
1609	Shell-Thick	SLE-FREQ.	2.4474	5.8032	-6.91	11.42
1609	Shell-Thick	SLE-QP	1.0402	4.0362	-5.69	8.32
1609	Shell-Thick	SLE-QP	1.2069	5.2235	-4.83	8.32
1609	Shell-Thick	SLE-QP	2.0002	4.9143	-4.83	7.45
1609	Shell-Thick	SLE-QP	1.8265	3.7347	-5.69	7.45
1610	Shell-Thick	SLU-STATICA	2.7974	8.8852	-9.36	17.69
1610	Shell-Thick	SLU-STATICA	2.7280	11.4407	-7.66	17.69
1610	Shell-Thick	SLU-STATICA	3.8416	11.0380	-7.66	16.23
1610	Shell-Thick	SLU-STATICA	3.8796	8.5033	-9.36	16.23
1610	Shell-Thick	SLU-SISMICA	4.3880	15.3350	-12.16	30.00
1610	Shell-Thick	SLU-SISMICA	4.4220	19.6837	-9.66	30.00
1610	Shell-Thick	SLU-SISMICA	5.8391	18.9197	-9.66	27.86
1610	Shell-Thick	SLU-SISMICA	5.7870	14.5838	-12.16	27.86
1610	Shell-Thick	SLE-RARA	2.0404	6.4113	-6.95	12.79
1610	Shell-Thick	SLE-RARA	1.9827	8.2583	-5.70	12.79
1610	Shell-Thick	SLE-RARA	2.8114	7.9712	-5.70	11.72
1610	Shell-Thick	SLE-RARA	2.8447	6.1403	-6.95	11.72
1610	Shell-Thick	SLE-FREQ.	1.8594	5.7232	-6.55	11.46
1610	Shell-Thick	SLE-FREQ.	1.7946	7.3773	-5.40	11.46
1610	Shell-Thick	SLE-FREQ.	2.5780	7.1270	-5.40	10.47
1610	Shell-Thick	SLE-FREQ.	2.6178	5.4892	-6.55	10.47
1610	Shell-Thick	SLE-QP	1.3163	3.6588	-5.35	7.48
1610	Shell-Thick	SLE-QP	1.2303	4.7342	-4.48	7.48
1610	Shell-Thick	SLE-QP	1.8775	4.5942	-4.48	6.74
1610	Shell-Thick	SLE-QP	1.9371	3.5359	-5.35	6.74
1611	Shell-Thick	SLU-STATICA	2.5030	8.3687	-8.47	16.39
1611	Shell-Thick	SLU-STATICA	2.7532	10.6796	-6.82	16.39
1611	Shell-Thick	SLU-STATICA	4.0552	9.8930	-6.82	14.51
1611	Shell-Thick	SLU-STATICA	3.8188	7.5634	-8.47	14.51
1611	Shell-Thick	SLU-SISMICA	3.9426	14.4383	-11.16	28.12

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1611	Shell-Thick	SLU-SISMICA	4.4903	18.4265	-8.77	28.12
1611	Shell-Thick	SLU-SISMICA	6.1755	17.0337	-8.77	25.39
1611	Shell-Thick	SLU-SISMICA	5.6688	12.9872	-11.16	25.39
1611	Shell-Thick	SLE-RARA	1.8249	6.0389	-6.28	11.83
1611	Shell-Thick	SLE-RARA	1.9997	7.7063	-5.07	11.83
1611	Shell-Thick	SLE-RARA	2.9671	7.1406	-5.07	10.46
1611	Shell-Thick	SLE-RARA	2.8015	5.4609	-6.28	10.46
1611	Shell-Thick	SLE-FREQ.	1.6616	5.3912	-5.90	10.58
1611	Shell-Thick	SLE-FREQ.	1.8076	6.8797	-4.79	10.58
1611	Shell-Thick	SLE-FREQ.	2.7197	6.3777	-4.79	9.30
1611	Shell-Thick	SLE-FREQ.	2.5804	4.8805	-5.90	9.30
1611	Shell-Thick	SLE-QP	1.1717	3.4481	-4.78	6.81
1611	Shell-Thick	SLE-QP	1.2314	4.3997	-3.93	6.81
1611	Shell-Thick	SLE-QP	1.9775	4.0890	-3.93	5.85
1611	Shell-Thick	SLE-QP	1.9171	3.1394	-4.78	5.85
1612	Shell-Thick	SLU-STATICA	2.8551	7.4412	-7.31	14.60
1612	Shell-Thick	SLU-STATICA	2.6077	9.5331	-5.95	14.60
1612	Shell-Thick	SLU-STATICA	3.6053	8.9171	-5.95	13.24
1612	Shell-Thick	SLU-STATICA	3.8487	6.8302	-7.31	13.24
1612	Shell-Thick	SLU-SISMICA	4.4916	12.8593	-9.73	25.52
1612	Shell-Thick	SLU-SISMICA	4.2330	16.5377	-7.77	25.52
1612	Shell-Thick	SLU-SISMICA	5.5401	15.4633	-7.77	23.56
1612	Shell-Thick	SLU-SISMICA	5.8114	11.7737	-9.73	23.56
1612	Shell-Thick	SLE-RARA	2.0819	5.3685	-5.42	10.52
1612	Shell-Thick	SLE-RARA	1.8949	6.8746	-4.42	10.52
1612	Shell-Thick	SLE-RARA	2.6354	6.4307	-4.42	9.52
1612	Shell-Thick	SLE-RARA	2.8185	4.9292	-5.42	9.52
1612	Shell-Thick	SLE-FREQ.	1.8961	4.7909	-5.09	9.36
1612	Shell-Thick	SLE-FREQ.	1.7146	6.1294	-4.16	9.36
1612	Shell-Thick	SLE-FREQ.	2.4115	5.7341	-4.16	8.43
1612	Shell-Thick	SLE-FREQ.	2.5877	4.4014	-5.09	8.43
1612	Shell-Thick	SLE-QP	1.3386	3.0579	-4.09	5.89
1612	Shell-Thick	SLE-QP	1.1738	3.8940	-3.39	5.89
1612	Shell-Thick	SLE-QP	1.7395	3.6445	-3.39	5.18
1612	Shell-Thick	SLE-QP	1.8954	2.8180	-4.09	5.18
1613	Shell-Thick	SLU-STATICA	2.6549	6.7048	-6.24	13.37
1613	Shell-Thick	SLU-STATICA	2.6855	8.6197	-5.12	13.37
1613	Shell-Thick	SLU-STATICA	3.5302	8.1036	-5.12	12.25
1613	Shell-Thick	SLU-STATICA	3.5164	6.1729	-6.24	12.25
1613	Shell-Thick	SLU-SISMICA	4.1939	11.6275	-8.35	23.77
1613	Shell-Thick	SLU-SISMICA	4.3838	15.0547	-6.74	23.77
1613	Shell-Thick	SLU-SISMICA	5.4949	14.1633	-6.74	22.17
1613	Shell-Thick	SLU-SISMICA	5.3483	10.6939	-8.35	22.17
1613	Shell-Thick	SLE-RARA	1.9351	4.8352	-4.63	9.61
1613	Shell-Thick	SLE-RARA	1.9503	6.2109	-3.80	9.61
1613	Shell-Thick	SLE-RARA	2.5771	5.8385	-3.80	8.78
1613	Shell-Thick	SLE-RARA	2.5732	4.4522	-4.63	8.78
1613	Shell-Thick	SLE-FREQ.	1.7609	4.3115	-4.34	8.52
1613	Shell-Thick	SLE-FREQ.	1.7626	5.5289	-3.57	8.52
1613	Shell-Thick	SLE-FREQ.	2.3521	5.1966	-3.57	7.75
1613	Shell-Thick	SLE-FREQ.	2.3592	3.9709	-4.34	7.75
1613	Shell-Thick	SLE-QP	1.2383	2.7402	-3.48	5.25
1613	Shell-Thick	SLE-QP	1.1996	3.4830	-2.89	5.25
1613	Shell-Thick	SLE-QP	1.6771	3.2707	-2.89	4.66
1613	Shell-Thick	SLE-QP	1.7172	2.5269	-3.48	4.66
1614	Shell-Thick	SLU-STATICA	2.7486	6.0647	-5.21	12.30
1614	Shell-Thick	SLU-STATICA	2.4683	7.8458	-4.34	12.30
1614	Shell-Thick	SLU-STATICA	3.1844	7.2898	-4.34	11.43
1614	Shell-Thick	SLU-STATICA	3.4662	5.5080	-5.21	11.43
1614	Shell-Thick	SLU-SISMICA	4.3800	10.5677	-6.96	22.25
1614	Shell-Thick	SLU-SISMICA	4.0626	13.8094	-5.75	22.25
1614	Shell-Thick	SLU-SISMICA	5.0090	12.8724	-5.75	21.04
1614	Shell-Thick	SLU-SISMICA	5.3424	9.6157	-6.96	21.04
1614	Shell-Thick	SLE-RARA	2.0015	4.3711	-3.86	8.82
1614	Shell-Thick	SLE-RARA	1.7909	5.6480	-3.22	8.82
1614	Shell-Thick	SLE-RARA	2.3221	5.2456	-3.22	8.19
1614	Shell-Thick	SLE-RARA	2.5330	3.9689	-3.86	8.19
1614	Shell-Thick	SLE-FREQ.	1.8180	3.8933	-3.62	7.79
1614	Shell-Thick	SLE-FREQ.	1.6157	5.0186	-3.03	7.79

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1614	Shell-Thick	SLE-FREQ.	2.1149	4.6575	-3.03	7.19
1614	Shell-Thick	SLE-FREQ.	2.3163	3.5335	-3.62	7.19
1614	Shell-Thick	SLE-QP	1.2678	2.4598	-2.90	4.68
1614	Shell-Thick	SLE-QP	1.0901	3.1306	-2.44	4.68
1614	Shell-Thick	SLE-QP	1.4933	2.8931	-2.44	4.22
1614	Shell-Thick	SLE-QP	1.6664	2.2272	-2.90	4.22
1615	Shell-Thick	SLU-STATICA	2.5730	5.4006	-4.35	11.52
1615	Shell-Thick	SLU-STATICA	2.4489	7.0715	-3.65	11.52
1615	Shell-Thick	SLU-STATICA	3.0442	6.7039	-3.65	10.81
1615	Shell-Thick	SLU-STATICA	3.1791	5.0227	-4.35	10.81
1615	Shell-Thick	SLU-SISMICA	4.1278	9.4831	-5.83	21.17
1615	Shell-Thick	SLU-SISMICA	4.0629	12.5729	-4.85	21.17
1615	Shell-Thick	SLU-SISMICA	4.8501	11.9555	-4.85	20.18
1615	Shell-Thick	SLU-SISMICA	4.9442	8.8372	-5.83	20.18
1615	Shell-Thick	SLE-RARA	1.8722	3.8888	-3.23	8.25
1615	Shell-Thick	SLE-RARA	1.7752	5.0842	-2.71	8.25
1615	Shell-Thick	SLE-RARA	2.2167	4.8182	-2.71	7.73
1615	Shell-Thick	SLE-RARA	2.3210	3.6158	-3.23	7.73
1615	Shell-Thick	SLE-FREQ.	1.6982	3.4574	-3.02	7.25
1615	Shell-Thick	SLE-FREQ.	1.5988	4.5068	-2.54	7.25
1615	Shell-Thick	SLE-FREQ.	2.0136	4.2678	-2.54	6.76
1615	Shell-Thick	SLE-FREQ.	2.1187	3.2132	-3.02	6.76
1615	Shell-Thick	SLE-QP	1.1764	2.1632	-2.42	4.26
1615	Shell-Thick	SLE-QP	1.0696	2.7744	-2.04	4.26
1615	Shell-Thick	SLE-QP	1.4044	2.6167	-2.04	3.88
1615	Shell-Thick	SLE-QP	1.5118	2.0053	-2.42	3.88
1616	Shell-Thick	SLU-STATICA	2.4947	4.9229	-3.60	10.86
1616	Shell-Thick	SLU-STATICA	2.2612	6.5102	-3.04	10.86
1616	Shell-Thick	SLU-STATICA	2.7590	6.1109	-3.04	10.30
1616	Shell-Thick	SLU-STATICA	2.9936	4.5230	-3.60	10.30
1616	Shell-Thick	SLU-SISMICA	4.0320	8.7105	-4.82	20.25
1616	Shell-Thick	SLU-SISMICA	3.7873	11.6872	-4.05	20.25
1616	Shell-Thick	SLU-SISMICA	4.4471	11.0269	-4.05	19.48
1616	Shell-Thick	SLU-SISMICA	4.7033	8.0394	-4.82	19.48
1616	Shell-Thick	SLE-RARA	1.8138	3.5416	-2.67	7.76
1616	Shell-Thick	SLE-RARA	1.6374	4.6751	-2.25	7.76
1616	Shell-Thick	SLE-RARA	2.0065	4.3856	-2.25	7.34
1616	Shell-Thick	SLE-RARA	2.1832	3.2520	-2.67	7.34
1616	Shell-Thick	SLE-FREQ.	1.6427	3.1430	-2.50	6.79
1616	Shell-Thick	SLE-FREQ.	1.4716	4.1344	-2.11	6.79
1616	Shell-Thick	SLE-FREQ.	1.8183	3.8734	-2.11	6.41
1616	Shell-Thick	SLE-FREQ.	1.9888	2.8829	-2.50	6.41
1616	Shell-Thick	SLE-QP	1.1295	1.9472	-2.00	3.90
1616	Shell-Thick	SLE-QP	0.9743	2.5122	-1.70	3.90
1616	Shell-Thick	SLE-QP	1.2537	2.3370	-1.70	3.60
1616	Shell-Thick	SLE-QP	1.4058	1.7754	-2.00	3.60
1617	Shell-Thick	SLU-STATICA	2.2885	4.4292	-2.99	10.35
1617	Shell-Thick	SLU-STATICA	2.1682	5.9455	-2.53	10.35
1617	Shell-Thick	SLU-STATICA	2.5791	5.6774	-2.53	9.89
1617	Shell-Thick	SLU-STATICA	2.7055	4.1553	-2.99	9.89
1617	Shell-Thick	SLU-SISMICA	3.7252	7.9165	-4.01	19.56
1617	Shell-Thick	SLU-SISMICA	3.6612	10.7969	-3.37	19.56
1617	Shell-Thick	SLU-SISMICA	4.2056	10.3567	-3.37	18.93
1617	Shell-Thick	SLU-SISMICA	4.2877	7.4587	-4.01	18.93
1617	Shell-Thick	SLE-RARA	1.6625	3.1824	-2.21	7.38
1617	Shell-Thick	SLE-RARA	1.5686	4.2634	-1.87	7.38
1617	Shell-Thick	SLE-RARA	1.8732	4.0689	-1.87	7.04
1617	Shell-Thick	SLE-RARA	1.9713	2.9841	-2.21	7.04
1617	Shell-Thick	SLE-FREQ.	1.5035	2.8174	-2.08	6.44
1617	Shell-Thick	SLE-FREQ.	1.4072	3.7596	-1.76	6.44
1617	Shell-Thick	SLE-FREQ.	1.6934	3.5840	-1.76	6.13
1617	Shell-Thick	SLE-FREQ.	1.7926	2.6390	-2.08	6.13
1617	Shell-Thick	SLE-QP	1.0263	1.7222	-1.66	3.63
1617	Shell-Thick	SLE-QP	0.9231	2.2482	-1.41	3.63
1617	Shell-Thick	SLE-QP	1.1538	2.1294	-1.41	3.38
1617	Shell-Thick	SLE-QP	1.2568	1.6039	-1.66	3.38
1618	Shell-Thick	SLU-STATICA	2.1392	4.0696	-2.46	9.92
1618	Shell-Thick	SLU-STATICA	1.9858	5.5312	-2.08	9.92
1618	Shell-Thick	SLU-STATICA	2.3268	5.2366	-2.08	9.55

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1618	Shell-Thick	SLU-STATICA	2.4798	3.7756	-2.46	9.55
1618	Shell-Thick	SLU-SISMICA	3.5062	7.3438	-3.29	18.98
1618	Shell-Thick	SLU-SISMICA	3.3865	10.1514	-2.78	18.98
1618	Shell-Thick	SLU-SISMICA	3.8390	9.6707	-2.78	18.46
1618	Shell-Thick	SLU-SISMICA	3.9646	6.8575	-3.29	18.46
1618	Shell-Thick	SLE-RARA	1.5528	2.9205	-1.82	7.07
1618	Shell-Thick	SLE-RARA	1.4349	3.9610	-1.54	7.07
1618	Shell-Thick	SLE-RARA	1.6878	3.7470	-1.54	6.79
1618	Shell-Thick	SLE-RARA	1.8051	2.7073	-1.82	6.79
1618	Shell-Thick	SLE-FREQ.	1.4022	2.5794	-1.71	6.15
1618	Shell-Thick	SLE-FREQ.	1.2844	3.4837	-1.45	6.15
1618	Shell-Thick	SLE-FREQ.	1.5219	3.2902	-1.45	5.89
1618	Shell-Thick	SLE-FREQ.	1.6385	2.3873	-1.71	5.89
1618	Shell-Thick	SLE-QP	0.9503	1.5562	-1.37	3.39
1618	Shell-Thick	SLE-QP	0.8330	2.0516	-1.16	3.39
1618	Shell-Thick	SLE-QP	1.0242	1.9198	-1.16	3.19
1618	Shell-Thick	SLE-QP	1.1389	1.4272	-1.37	3.19
1619	Shell-Thick	SLU-STATICA	1.9296	3.6970	-2.03	9.58
1619	Shell-Thick	SLU-STATICA	1.8582	5.1113	-1.72	9.58
1619	Shell-Thick	SLU-STATICA	2.1379	4.9084	-1.72	9.27
1619	Shell-Thick	SLU-STATICA	2.2120	3.4917	-2.03	9.27
1619	Shell-Thick	SLU-SISMICA	3.1858	6.7500	-2.71	18.52
1619	Shell-Thick	SLU-SISMICA	3.1957	9.4938	-2.29	18.52
1619	Shell-Thick	SLU-SISMICA	3.5665	9.1657	-2.29	18.10
1619	Shell-Thick	SLU-SISMICA	3.5663	6.4125	-2.71	18.10
1619	Shell-Thick	SLE-RARA	1.3995	2.6493	-1.50	6.82
1619	Shell-Thick	SLE-RARA	1.3414	3.6547	-1.27	6.82
1619	Shell-Thick	SLE-RARA	1.5488	3.5072	-1.27	6.59
1619	Shell-Thick	SLE-RARA	1.6086	2.5003	-1.50	6.59
1619	Shell-Thick	SLE-FREQ.	1.2618	2.3331	-1.41	5.91
1619	Shell-Thick	SLE-FREQ.	1.1984	3.2044	-1.19	5.91
1619	Shell-Thick	SLE-FREQ.	1.3932	3.0708	-1.19	5.70
1619	Shell-Thick	SLE-FREQ.	1.4576	2.1986	-1.41	5.70
1619	Shell-Thick	SLE-QP	0.8486	1.3844	-1.13	3.21
1619	Shell-Thick	SLE-QP	0.7694	1.8536	-0.96	3.21
1619	Shell-Thick	SLE-QP	0.9264	1.7618	-0.96	3.04
1619	Shell-Thick	SLE-QP	1.0047	1.2936	-1.13	3.04
1620	Shell-Thick	SLU-STATICA	1.7558	3.4203	-1.65	9.30
1620	Shell-Thick	SLU-STATICA	1.6861	4.7982	-1.40	9.30
1620	Shell-Thick	SLU-STATICA	1.9165	4.5754	-1.40	9.04
1620	Shell-Thick	SLU-STATICA	1.9841	3.1998	-1.65	9.04
1620	Shell-Thick	SLU-SISMICA	2.9181	6.3128	-2.21	18.13
1620	Shell-Thick	SLU-SISMICA	2.9300	9.0084	-1.87	18.13
1620	Shell-Thick	SLU-SISMICA	3.2356	8.6475	-1.87	17.79
1620	Shell-Thick	SLU-SISMICA	3.2247	5.9511	-2.21	17.79
1620	Shell-Thick	SLE-RARA	1.2725	2.4476	-1.23	6.60
1620	Shell-Thick	SLE-RARA	1.2157	3.4260	-1.04	6.60
1620	Shell-Thick	SLE-RARA	1.3865	3.2641	-1.04	6.42
1620	Shell-Thick	SLE-RARA	1.4416	2.2875	-1.23	6.42
1620	Shell-Thick	SLE-FREQ.	1.1456	2.1495	-1.15	5.72
1620	Shell-Thick	SLE-FREQ.	1.0835	2.9956	-0.98	5.72
1620	Shell-Thick	SLE-FREQ.	1.2439	2.8490	-0.98	5.54
1620	Shell-Thick	SLE-FREQ.	1.3041	2.0050	-1.15	5.54
1620	Shell-Thick	SLE-QP	0.7649	1.2554	-0.92	3.05
1620	Shell-Thick	SLE-QP	0.6869	1.7041	-0.78	3.05
1620	Shell-Thick	SLE-QP	0.8161	1.6036	-0.78	2.91
1620	Shell-Thick	SLE-QP	0.8916	1.1575	-0.92	2.91
1621	Shell-Thick	SLU-STATICA	1.5542	3.1344	-1.35	9.07
1621	Shell-Thick	SLU-STATICA	1.5438	4.4803	-1.14	9.07
1621	Shell-Thick	SLU-STATICA	1.7309	4.3289	-1.14	8.86
1621	Shell-Thick	SLU-STATICA	1.7413	2.9832	-1.35	8.86
1621	Shell-Thick	SLU-SISMICA	2.6019	5.8579	-1.81	17.82
1621	Shell-Thick	SLU-SISMICA	2.7069	8.5104	-1.52	17.82
1621	Shell-Thick	SLU-SISMICA	2.9548	8.2680	-1.52	17.54
1621	Shell-Thick	SLU-SISMICA	2.8532	5.6123	-1.81	17.54
1621	Shell-Thick	SLE-RARA	1.1255	2.2394	-1.00	6.44
1621	Shell-Thick	SLE-RARA	1.1118	3.1941	-0.85	6.44
1621	Shell-Thick	SLE-RARA	1.2506	3.0839	-0.85	6.28
1621	Shell-Thick	SLE-RARA	1.2640	2.1295	-1.00	6.28



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1621	Shell-Thick	SLE-FREQ.	1.0116	1.9603	-0.94	5.56
1621	Shell-Thick	SLE-FREQ.	0.9888	2.7841	-0.79	5.56
1621	Shell-Thick	SLE-FREQ.	1.1192	2.6841	-0.79	5.41
1621	Shell-Thick	SLE-FREQ.	1.1415	1.8610	-0.94	5.41
1621	Shell-Thick	SLE-QP	0.6700	1.1232	-0.75	2.92
1621	Shell-Thick	SLE-QP	0.6198	1.5543	-0.64	2.92
1621	Shell-Thick	SLE-QP	0.7249	1.4849	-0.64	2.81
1621	Shell-Thick	SLE-QP	0.7738	1.0553	-0.75	2.81
1622	Shell-Thick	SLU-STATICA	1.3703	2.9229	-1.09	8.88
1622	Shell-Thick	SLU-STATICA	1.3798	4.2448	-0.92	8.88
1622	Shell-Thick	SLU-STATICA	1.5321	4.0786	-0.92	8.71
1622	Shell-Thick	SLU-STATICA	1.5187	2.7608	-1.09	8.71
1622	Shell-Thick	SLU-SISMICA	2.3083	5.5244	-1.45	17.56
1622	Shell-Thick	SLU-SISMICA	2.4465	8.1453	-1.22	17.56
1622	Shell-Thick	SLU-SISMICA	2.6483	7.8764	-1.22	17.33
1622	Shell-Thick	SLU-SISMICA	2.5064	5.2594	-1.45	17.33
1622	Shell-Thick	SLE-RARA	0.9916	2.0852	-0.80	6.29
1622	Shell-Thick	SLE-RARA	0.9924	3.0221	-0.68	6.29
1622	Shell-Thick	SLE-RARA	1.1053	2.9013	-0.68	6.17
1622	Shell-Thick	SLE-RARA	1.1016	1.9675	-0.80	6.17
1622	Shell-Thick	SLE-FREQ.	0.8901	1.8200	-0.76	5.42
1622	Shell-Thick	SLE-FREQ.	0.8803	2.6270	-0.64	5.42
1622	Shell-Thick	SLE-FREQ.	0.9864	2.5177	-0.64	5.31
1622	Shell-Thick	SLE-FREQ.	0.9933	1.7136	-0.76	5.31
1622	Shell-Thick	SLE-QP	0.5854	1.0244	-0.61	2.82
1622	Shell-Thick	SLE-QP	0.5439	1.4418	-0.51	2.82
1622	Shell-Thick	SLE-QP	0.6294	1.3667	-0.51	2.73
1622	Shell-Thick	SLE-QP	0.6683	0.9521	-0.61	2.73
1623	Shell-Thick	SLU-STATICA	1.1708	2.7038	-0.87	8.72
1623	Shell-Thick	SLU-STATICA	1.2223	4.0040	-0.73	8.72
1623	Shell-Thick	SLU-STATICA	1.3439	3.9065	-0.73	8.58
1623	Shell-Thick	SLU-STATICA	1.2901	2.6086	-0.87	8.58
1623	Shell-Thick	SLU-SISMICA	1.9858	5.1741	-1.16	17.35
1623	Shell-Thick	SLU-SISMICA	2.1894	7.7657	-0.97	17.35
1623	Shell-Thick	SLU-SISMICA	2.3501	7.6124	-0.97	17.16
1623	Shell-Thick	SLU-SISMICA	2.1450	5.0225	-1.16	17.16
1623	Shell-Thick	SLE-RARA	0.8466	1.9257	-0.65	6.18
1623	Shell-Thick	SLE-RARA	0.8780	2.8466	-0.54	6.18
1623	Shell-Thick	SLE-RARA	0.9682	2.7754	-0.54	6.08
1623	Shell-Thick	SLE-RARA	0.9350	1.8564	-0.65	6.08
1623	Shell-Thick	SLE-FREQ.	0.7587	1.6752	-0.61	5.32
1623	Shell-Thick	SLE-FREQ.	0.7769	2.4673	-0.51	5.32
1623	Shell-Thick	SLE-FREQ.	0.8616	2.4024	-0.51	5.22
1623	Shell-Thick	SLE-FREQ.	0.8417	1.6123	-0.61	5.22
1623	Shell-Thick	SLE-QP	0.4952	0.9237	-0.49	2.73
1623	Shell-Thick	SLE-QP	0.4735	1.3293	-0.41	2.73
1623	Shell-Thick	SLE-QP	0.5419	1.2835	-0.41	2.66
1623	Shell-Thick	SLE-QP	0.5618	0.8798	-0.49	2.66
1624	Shell-Thick	SLU-STATICA	0.9723	2.5538	-0.68	8.59
1624	Shell-Thick	SLU-STATICA	1.0485	3.8387	-0.57	8.59
1624	Shell-Thick	SLU-STATICA	1.1452	3.7316	-0.57	8.49
1624	Shell-Thick	SLU-STATICA	1.0633	2.4525	-0.68	8.49
1624	Shell-Thick	SLU-SISMICA	1.6575	4.9381	-0.90	17.18
1624	Shell-Thick	SLU-SISMICA	1.9024	7.5097	-0.75	17.18
1624	Shell-Thick	SLU-SISMICA	2.0303	7.3378	-0.75	17.03
1624	Shell-Thick	SLU-SISMICA	1.7776	4.7741	-0.90	17.03
1624	Shell-Thick	SLE-RARA	0.7026	1.8163	-0.50	6.08
1624	Shell-Thick	SLE-RARA	0.7520	2.7258	-0.42	6.08
1624	Shell-Thick	SLE-RARA	0.8236	2.6479	-0.42	6.00
1624	Shell-Thick	SLE-RARA	0.7701	1.7427	-0.50	6.00
1624	Shell-Thick	SLE-FREQ.	0.6290	1.5756	-0.47	5.23
1624	Shell-Thick	SLE-FREQ.	0.6632	2.3569	-0.40	5.23
1624	Shell-Thick	SLE-FREQ.	0.7306	2.2863	-0.40	5.15
1624	Shell-Thick	SLE-FREQ.	0.6924	1.5089	-0.47	5.15
1624	Shell-Thick	SLE-QP	0.4081	0.8534	-0.38	2.66
1624	Shell-Thick	SLE-QP	0.3971	1.2502	-0.32	2.66
1624	Shell-Thick	SLE-QP	0.4514	1.2013	-0.32	2.60
1624	Shell-Thick	SLE-QP	0.4594	0.8076	-0.38	2.60
1625	Shell-Thick	SLU-STATICA	0.7575	2.3974	-0.52	8.49



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1625	Shell-Thick	SLU-STATICA	0.8570	3.6680	-0.44	8.49
1625	Shell-Thick	SLU-STATICA	0.9311	3.6471	-0.44	8.41
1625	Shell-Thick	SLU-STATICA	0.8277	2.3804	-0.52	8.41
1625	Shell-Thick	SLU-SISMICA	1.2980	4.6866	-0.69	17.04
1625	Shell-Thick	SLU-SISMICA	1.5760	7.2386	-0.58	17.04
1625	Shell-Thick	SLU-SISMICA	1.6739	7.2156	-0.58	16.93
1625	Shell-Thick	SLU-SISMICA	1.3907	4.6688	-0.69	16.93
1625	Shell-Thick	SLE-RARA	0.5471	1.7025	-0.39	6.01
1625	Shell-Thick	SLE-RARA	0.6135	2.6015	-0.33	6.01
1625	Shell-Thick	SLE-RARA	0.6685	2.5857	-0.33	5.95
1625	Shell-Thick	SLE-RARA	0.5991	1.6897	-0.39	5.95
1625	Shell-Thick	SLE-FREQ.	0.4892	1.4724	-0.36	5.16
1625	Shell-Thick	SLE-FREQ.	0.5393	2.2439	-0.31	5.16
1625	Shell-Thick	SLE-FREQ.	0.5910	2.2287	-0.31	5.10
1625	Shell-Thick	SLE-FREQ.	0.5381	1.4600	-0.36	5.10
1625	Shell-Thick	SLE-QP	0.3155	0.7821	-0.29	2.61
1625	Shell-Thick	SLE-QP	0.3167	1.1711	-0.25	2.61
1625	Shell-Thick	SLE-QP	0.3584	1.1577	-0.25	2.56
1625	Shell-Thick	SLE-QP	0.3550	0.7709	-0.29	2.56
1626	Shell-Thick	SLU-STATICA	0.5434	2.3252	-0.38	8.41
1626	Shell-Thick	SLU-STATICA	0.6354	3.5863	-0.31	8.41
1626	Shell-Thick	SLU-STATICA	0.6904	3.5604	-0.31	8.34
1626	Shell-Thick	SLU-STATICA	0.5918	2.3061	-0.38	8.34
1626	Shell-Thick	SLU-SISMICA	0.9337	4.5786	-0.50	16.93
1626	Shell-Thick	SLU-SISMICA	1.1922	7.1180	-0.40	16.93
1626	Shell-Thick	SLU-SISMICA	1.2649	7.0841	-0.40	16.84
1626	Shell-Thick	SLU-SISMICA	0.9962	4.5550	-0.50	16.84
1626	Shell-Thick	SLE-RARA	0.3923	1.6497	-0.28	5.95
1626	Shell-Thick	SLE-RARA	0.4537	2.5415	-0.23	5.95
1626	Shell-Thick	SLE-RARA	0.4945	2.5223	-0.23	5.90
1626	Shell-Thick	SLE-RARA	0.4283	1.6354	-0.28	5.90
1626	Shell-Thick	SLE-FREQ.	0.3506	1.4238	-0.26	5.10
1626	Shell-Thick	SLE-FREQ.	0.3968	2.1886	-0.22	5.10
1626	Shell-Thick	SLE-FREQ.	0.4351	2.1705	-0.22	5.06
1626	Shell-Thick	SLE-FREQ.	0.3845	1.4102	-0.26	5.06
1626	Shell-Thick	SLE-QP	0.2253	0.7462	-0.21	2.56
1626	Shell-Thick	SLE-QP	0.2259	1.1299	-0.18	2.56
1626	Shell-Thick	SLE-QP	0.2569	1.1152	-0.18	2.53
1626	Shell-Thick	SLE-QP	0.2531	0.7348	-0.21	2.53
1627	Shell-Thick	SLU-STATICA	0.3167	2.2516	-0.26	8.35
1627	Shell-Thick	SLU-STATICA	0.4076	3.5033	-0.21	8.35
1627	Shell-Thick	SLU-STATICA	0.4448	3.5686	-0.21	8.30
1627	Shell-Thick	SLU-STATICA	0.3496	2.3213	-0.26	8.30
1627	Shell-Thick	SLU-SISMICA	0.5448	4.4636	-0.33	16.83
1627	Shell-Thick	SLU-SISMICA	0.7865	6.9895	-0.27	16.83
1627	Shell-Thick	SLU-SISMICA	0.8354	7.1157	-0.27	16.77
1627	Shell-Thick	SLU-SISMICA	0.5874	4.5962	-0.33	16.77
1627	Shell-Thick	SLE-RARA	0.2286	1.5959	-0.19	5.90
1627	Shell-Thick	SLE-RARA	0.2899	2.4809	-0.16	5.90
1627	Shell-Thick	SLE-RARA	0.3176	2.5273	-0.16	5.87
1627	Shell-Thick	SLE-RARA	0.2530	1.6456	-0.19	5.87
1627	Shell-Thick	SLE-FREQ.	0.2043	1.3748	-0.18	5.06
1627	Shell-Thick	SLE-FREQ.	0.2516	2.1333	-0.15	5.06
1627	Shell-Thick	SLE-FREQ.	0.2777	2.1735	-0.15	5.03
1627	Shell-Thick	SLE-FREQ.	0.2272	1.4181	-0.18	5.03
1627	Shell-Thick	SLE-QP	0.1311	0.7114	-0.14	2.53
1627	Shell-Thick	SLE-QP	0.1368	1.0903	-0.12	2.53
1627	Shell-Thick	SLE-QP	0.1579	1.1120	-0.12	2.50
1627	Shell-Thick	SLE-QP	0.1499	0.7355	-0.14	2.50
1628	Shell-Thick	SLU-STATICA	0.1479	2.2738	-0.14	8.29
1628	Shell-Thick	SLU-STATICA	0.1606	3.5189	-0.11	8.29
1628	Shell-Thick	SLU-STATICA	0.1819	3.5561	-0.11	8.26
1628	Shell-Thick	SLU-STATICA	0.1637	2.3165	-0.14	8.26
1628	Shell-Thick	SLU-SISMICA	0.2541	4.5148	-0.18	16.76
1628	Shell-Thick	SLU-SISMICA	0.3351	7.0304	-0.13	16.76
1628	Shell-Thick	SLU-SISMICA	0.3626	7.1070	-0.13	16.71
1628	Shell-Thick	SLU-SISMICA	0.2737	4.5993	-0.18	16.71
1628	Shell-Thick	SLE-RARA	0.1067	1.6113	-0.10	5.86
1628	Shell-Thick	SLE-RARA	0.1130	2.4914	-7.968E-02	5.86

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1628	Shell-Thick	SLE-RARA	0.1289	2.5177	-7.968E-02	5.84
1628	Shell-Thick	SLE-RARA	0.1186	1.6416	-0.10	5.84
1628	Shell-Thick	SLE-FREQ.	0.0954	1.3874	-9.859E-02	5.02
1628	Shell-Thick	SLE-FREQ.	0.0959	2.1414	-7.566E-02	5.02
1628	Shell-Thick	SLE-FREQ.	0.1108	2.1638	-7.566E-02	5.00
1628	Shell-Thick	SLE-FREQ.	0.1066	1.4135	-9.859E-02	5.00
1628	Shell-Thick	SLE-QP	0.0613	0.7157	-8.067E-02	2.50
1628	Shell-Thick	SLE-QP	0.0445	1.0914	-6.363E-02	2.50
1628	Shell-Thick	SLE-QP	0.0568	1.1021	-6.363E-02	2.48
1628	Shell-Thick	SLE-QP	0.0707	0.7293	-8.067E-02	2.48
1629	Shell-Thick	SLU-STATICA	0.0226	2.2882	-4.750E-02	8.26
1629	Shell-Thick	SLU-STATICA	0.0414	3.5281	-3.114E-02	8.26
1629	Shell-Thick	SLU-STATICA	0.0488	3.5676	-3.114E-02	8.24
1629	Shell-Thick	SLU-STATICA	0.0260	2.3306	-4.750E-02	8.24
1629	Shell-Thick	SLU-SISMICA	0.0374	4.5492	-6.292E-02	16.70
1629	Shell-Thick	SLU-SISMICA	0.0936	7.0561	-3.660E-02	16.70
1629	Shell-Thick	SLU-SISMICA	0.1026	7.1379	-3.660E-02	16.68
1629	Shell-Thick	SLU-SISMICA	0.0420	4.6343	-6.292E-02	16.68
1629	Shell-Thick	SLE-RARA	0.0164	1.6212	-3.523E-02	5.84
1629	Shell-Thick	SLE-RARA	0.0288	2.4976	-2.332E-02	5.84
1629	Shell-Thick	SLE-RARA	0.0343	2.5254	-2.332E-02	5.83
1629	Shell-Thick	SLE-RARA	0.0189	1.6512	-3.523E-02	5.83
1629	Shell-Thick	SLE-FREQ.	0.0148	1.3954	-3.309E-02	5.00
1629	Shell-Thick	SLE-FREQ.	0.0238	2.1461	-2.230E-02	5.00
1629	Shell-Thick	SLE-FREQ.	0.0290	2.1697	-2.230E-02	4.99
1629	Shell-Thick	SLE-FREQ.	0.0172	1.4212	-3.309E-02	4.99
1629	Shell-Thick	SLE-QP	0.0099	0.7180	-2.668E-02	2.49
1629	Shell-Thick	SLE-QP	0.0088	1.0915	-1.922E-02	2.49
1629	Shell-Thick	SLE-QP	0.0132	1.1027	-1.922E-02	2.48
1629	Shell-Thick	SLE-QP	0.0118	0.7311	-2.668E-02	2.48
1630	Shell-Thick	SLU-STATICA	21.7082	3.3248	65.21	-1.21
1630	Shell-Thick	SLU-STATICA	16.2703	4.2710	56.90	-1.21
1630	Shell-Thick	SLU-STATICA	7.6120	2.7445	56.90	7.10
1630	Shell-Thick	SLU-STATICA	12.0351	2.8069	65.21	7.10
1630	Shell-Thick	SLU-SISMICA	26.0838	3.8227	77.56	-1.67
1630	Shell-Thick	SLU-SISMICA	18.7984	5.1537	66.42	-1.67
1630	Shell-Thick	SLU-SISMICA	8.7395	3.6114	66.42	9.47
1630	Shell-Thick	SLU-SISMICA	14.5271	3.7700	77.56	9.47
1630	Shell-Thick	SLE-RARA	16.2311	2.4945	48.80	-0.90
1630	Shell-Thick	SLE-RARA	12.2027	3.1923	42.64	-0.90
1630	Shell-Thick	SLE-RARA	5.7117	2.0364	42.64	5.26
1630	Shell-Thick	SLE-RARA	8.9952	2.0789	48.80	5.26
1630	Shell-Thick	SLE-FREQ.	15.4713	2.3920	46.58	-0.84
1630	Shell-Thick	SLE-FREQ.	11.6940	3.0410	40.81	-0.84
1630	Shell-Thick	SLE-FREQ.	5.4782	1.9149	40.81	4.94
1630	Shell-Thick	SLE-FREQ.	8.5687	1.9485	46.58	4.94
1630	Shell-Thick	SLE-QP	13.1920	2.0848	39.92	-0.66
1630	Shell-Thick	SLE-QP	10.1682	2.5873	35.30	-0.66
1630	Shell-Thick	SLE-QP	4.7778	1.5506	35.30	3.96
1630	Shell-Thick	SLE-QP	7.2889	1.5573	39.92	3.96
1631	Shell-Thick	SLU-STATICA	17.6428	3.0206	55.36	5.99
1631	Shell-Thick	SLU-STATICA	13.5204	4.8340	47.17	5.99
1631	Shell-Thick	SLU-STATICA	6.1266	2.8869	47.17	14.18
1631	Shell-Thick	SLU-STATICA	9.6440	1.6724	55.36	14.18
1631	Shell-Thick	SLU-SISMICA	23.2604	4.2144	67.19	7.88
1631	Shell-Thick	SLU-SISMICA	17.4625	6.6583	56.34	7.88
1631	Shell-Thick	SLU-SISMICA	8.6406	4.5567	56.34	18.73
1631	Shell-Thick	SLU-SISMICA	13.5372	3.0060	67.19	18.73
1631	Shell-Thick	SLE-RARA	13.0887	2.2293	41.36	4.45
1631	Shell-Thick	SLE-RARA	10.0485	3.5720	35.29	4.45
1631	Shell-Thick	SLE-RARA	4.5171	2.1043	35.29	10.52
1631	Shell-Thick	SLE-RARA	7.1136	1.2008	41.36	10.52
1631	Shell-Thick	SLE-FREQ.	12.3043	2.0763	39.37	4.18
1631	Shell-Thick	SLE-FREQ.	9.4767	3.3340	33.66	4.18
1631	Shell-Thick	SLE-FREQ.	4.1992	1.9152	33.66	9.88
1631	Shell-Thick	SLE-FREQ.	6.6183	1.0616	39.37	9.88
1631	Shell-Thick	SLE-QP	9.9512	1.6170	33.39	3.39
1631	Shell-Thick	SLE-QP	7.7616	2.6200	28.79	3.39
1631	Shell-Thick	SLE-QP	3.2452	1.3478	28.79	7.98

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1631	Shell-Thick	SLE-QP	5.1322	0.6440	33.39	7.98
1632	Shell-Thick	SLU-STATICA	14.1096	1.7238	45.84	13.16
1632	Shell-Thick	SLU-STATICA	10.6482	4.6329	38.52	13.16
1632	Shell-Thick	SLU-STATICA	4.7030	5.5289	38.52	20.48
1632	Shell-Thick	SLU-STATICA	7.3897	3.3891	45.84	20.48
1632	Shell-Thick	SLU-SISMICA	20.1714	3.1323	56.66	17.26
1632	Shell-Thick	SLU-SISMICA	14.9898	7.0271	47.01	17.26
1632	Shell-Thick	SLU-SISMICA	7.7907	9.1441	47.01	26.91
1632	Shell-Thick	SLU-SISMICA	11.8070	6.4073	56.66	26.91
1632	Shell-Thick	SLE-RARA	10.3893	1.2360	34.20	9.76
1632	Shell-Thick	SLE-RARA	7.8522	3.3912	28.77	9.76
1632	Shell-Thick	SLE-RARA	3.4098	4.0093	28.77	15.20
1632	Shell-Thick	SLE-RARA	5.3794	2.4176	34.20	15.20
1632	Shell-Thick	SLE-FREQ.	9.6350	1.0898	32.47	9.19
1632	Shell-Thick	SLE-FREQ.	7.3018	3.1109	27.36	9.19
1632	Shell-Thick	SLE-FREQ.	3.0720	3.6134	27.36	14.29
1632	Shell-Thick	SLE-FREQ.	4.8837	2.1100	32.47	14.29
1632	Shell-Thick	SLE-QP	7.3720	0.6511	27.27	7.45
1632	Shell-Thick	SLE-QP	5.6506	2.2698	23.14	7.45
1632	Shell-Thick	SLE-QP	2.0586	2.4255	23.14	11.58
1632	Shell-Thick	SLE-QP	3.3968	1.1870	27.27	11.58
1633	Shell-Thick	SLU-STATICA	9.7020	3.2625	37.76	19.75
1633	Shell-Thick	SLU-STATICA	8.5880	6.8949	31.36	19.75
1633	Shell-Thick	SLU-STATICA	3.5886	6.7548	31.36	26.15
1633	Shell-Thick	SLU-STATICA	4.3244	3.4957	37.76	26.15
1633	Shell-Thick	SLU-SISMICA	14.9955	6.2179	47.67	25.89
1633	Shell-Thick	SLU-SISMICA	13.0669	11.0265	39.19	25.89
1633	Shell-Thick	SLU-SISMICA	6.8359	11.5034	39.19	34.36
1633	Shell-Thick	SLU-SISMICA	8.1866	7.2663	47.67	34.36
1633	Shell-Thick	SLE-RARA	7.0878	2.3249	28.12	14.66
1633	Shell-Thick	SLE-RARA	6.2843	5.0187	23.38	14.66
1633	Shell-Thick	SLE-RARA	2.5574	4.8818	23.38	19.41
1633	Shell-Thick	SLE-RARA	3.0843	2.4610	28.12	19.41
1633	Shell-Thick	SLE-FREQ.	6.4780	2.0247	26.61	13.80
1633	Shell-Thick	SLE-FREQ.	5.7613	4.5554	22.16	13.80
1633	Shell-Thick	SLE-FREQ.	2.2275	4.3712	22.16	18.25
1633	Shell-Thick	SLE-FREQ.	2.6909	2.0904	26.61	18.25
1633	Shell-Thick	SLE-QP	4.6487	1.1241	22.09	11.20
1633	Shell-Thick	SLE-QP	4.1922	3.1656	18.50	11.20
1633	Shell-Thick	SLE-QP	1.2377	2.8393	18.50	14.79
1633	Shell-Thick	SLE-QP	1.5105	0.9787	22.09	14.79
1634	Shell-Thick	SLU-STATICA	6.7025	3.3467	30.19	25.40
1634	Shell-Thick	SLU-STATICA	5.7472	7.8111	25.01	25.40
1634	Shell-Thick	SLU-STATICA	1.8694	9.4453	25.01	30.57
1634	Shell-Thick	SLU-STATICA	2.2945	5.5071	30.19	30.57
1634	Shell-Thick	SLU-SISMICA	11.3704	7.0140	38.91	33.29
1634	Shell-Thick	SLU-SISMICA	9.5219	12.9297	32.01	33.29
1634	Shell-Thick	SLU-SISMICA	4.6019	15.9431	32.01	40.19
1634	Shell-Thick	SLU-SISMICA	5.6436	10.8291	38.91	40.19
1634	Shell-Thick	SLE-RARA	4.8462	2.3532	22.44	18.85
1634	Shell-Thick	SLE-RARA	4.1668	5.6638	18.60	18.85
1634	Shell-Thick	SLE-RARA	1.2804	6.8333	18.60	22.69
1634	Shell-Thick	SLE-RARA	1.5718	3.9078	22.44	22.69
1634	Shell-Thick	SLE-FREQ.	4.3431	1.9938	21.17	17.74
1634	Shell-Thick	SLE-FREQ.	3.7538	5.1035	17.57	17.74
1634	Shell-Thick	SLE-FREQ.	1.0242	6.1308	17.57	21.34
1634	Shell-Thick	SLE-FREQ.	1.2578	3.3741	21.17	21.34
1634	Shell-Thick	SLE-QP	2.8338	0.9156	17.36	14.40
1634	Shell-Thick	SLE-QP	2.5150	3.4226	14.46	14.40
1634	Shell-Thick	SLE-QP	0.2558	4.0234	14.46	17.29
1634	Shell-Thick	SLE-QP	0.3158	1.7730	17.36	17.29
1635	Shell-Thick	SLU-STATICA	2.9574	5.3250	23.97	30.19
1635	Shell-Thick	SLU-STATICA	4.4084	10.2678	19.74	30.19
1635	Shell-Thick	SLU-STATICA	1.2223	10.8192	19.74	34.42
1635	Shell-Thick	SLU-STATICA	-0.4187	6.0633	23.97	34.42
1635	Shell-Thick	SLU-SISMICA	6.2492	10.5137	31.78	39.64
1635	Shell-Thick	SLU-SISMICA	7.9122	17.0416	26.05	39.64
1635	Shell-Thick	SLU-SISMICA	3.7198	18.3149	26.05	45.37
1635	Shell-Thick	SLU-SISMICA	1.7598	12.0797	31.78	45.37

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1635	Shell-Thick	SLE-RARA	2.0769	3.7764	17.78	22.40
1635	Shell-Thick	SLE-RARA	3.1658	7.4428	14.64	22.40
1635	Shell-Thick	SLE-RARA	0.8018	7.8246	14.64	25.53
1635	Shell-Thick	SLE-RARA	-0.4258	4.2946	17.78	25.53
1635	Shell-Thick	SLE-FREQ.	1.7552	3.2569	16.70	21.07
1635	Shell-Thick	SLE-FREQ.	2.7998	6.7026	13.76	21.07
1635	Shell-Thick	SLE-FREQ.	0.5768	7.0157	13.76	24.00
1635	Shell-Thick	SLE-FREQ.	-0.5943	3.6943	16.70	24.00
1635	Shell-Thick	SLE-QP	0.7900	1.6983	13.46	17.08
1635	Shell-Thick	SLE-QP	1.7018	4.4821	11.12	17.08
1635	Shell-Thick	SLE-QP	-0.0983	4.5889	11.12	19.42
1635	Shell-Thick	SLE-QP	-1.0999	1.8933	13.46	19.42
1636	Shell-Thick	SLU-STATICA	1.4400	5.9831	18.49	33.88
1636	Shell-Thick	SLU-STATICA	2.2798	11.4826	15.15	33.88
1636	Shell-Thick	SLU-STATICA	-0.0817	12.9021	15.15	37.22
1636	Shell-Thick	SLU-STATICA	-1.2491	7.7277	18.49	37.22
1636	Shell-Thick	SLU-SISMICA	4.1960	11.9157	25.35	44.59
1636	Shell-Thick	SLU-SISMICA	4.9135	19.2049	20.72	44.59
1636	Shell-Thick	SLU-SISMICA	1.7050	21.6588	20.72	49.22
1636	Shell-Thick	SLU-SISMICA	0.4887	14.8650	25.35	49.22
1636	Shell-Thick	SLE-RARA	0.9538	4.2381	13.67	25.14
1636	Shell-Thick	SLE-RARA	1.5963	8.3160	11.20	25.14
1636	Shell-Thick	SLE-RARA	-0.1509	9.3401	11.20	27.61
1636	Shell-Thick	SLE-RARA	-1.0331	5.5000	13.67	27.61
1636	Shell-Thick	SLE-FREQ.	0.7038	3.6460	12.77	23.64
1636	Shell-Thick	SLE-FREQ.	1.3405	7.4764	10.47	23.64
1636	Shell-Thick	SLE-FREQ.	-0.2940	8.3902	10.47	25.94
1636	Shell-Thick	SLE-FREQ.	-1.1504	4.7778	12.77	25.94
1636	Shell-Thick	SLE-QP	-0.0463	1.8699	10.07	19.14
1636	Shell-Thick	SLE-QP	0.5731	4.9573	8.27	19.14
1636	Shell-Thick	SLE-QP	-0.7234	5.5404	8.27	20.94
1636	Shell-Thick	SLE-QP	-1.5024	2.6113	10.07	20.94
1637	Shell-Thick	SLU-STATICA	-0.8017	7.6641	14.13	37.03
1637	Shell-Thick	SLU-STATICA	1.9024	13.4520	11.48	37.03
1637	Shell-Thick	SLU-STATICA	0.0106	14.1932	11.48	39.68
1637	Shell-Thick	SLU-STATICA	-2.7550	8.4646	14.13	39.68
1637	Shell-Thick	SLU-SISMICA	0.8925	14.7325	20.23	48.95
1637	Shell-Thick	SLU-SISMICA	4.3991	22.4109	16.45	48.95
1637	Shell-Thick	SLU-SISMICA	1.6943	23.7537	16.45	52.73
1637	Shell-Thick	SLU-SISMICA	-1.9081	16.1681	20.23	52.73
1637	Shell-Thick	SLE-RARA	-0.6919	5.4552	10.40	27.47
1637	Shell-Thick	SLE-RARA	1.3171	9.7467	8.45	27.47
1637	Shell-Thick	SLE-RARA	-0.0758	10.2784	8.45	29.42
1637	Shell-Thick	SLE-RARA	-2.1297	6.0302	10.40	29.42
1637	Shell-Thick	SLE-FREQ.	-0.8141	4.7398	9.65	25.81
1637	Shell-Thick	SLE-FREQ.	1.0795	8.7702	7.84	25.81
1637	Shell-Thick	SLE-FREQ.	-0.2123	9.2392	7.84	27.62
1637	Shell-Thick	SLE-FREQ.	-2.1468	5.2484	9.65	27.62
1637	Shell-Thick	SLE-QP	-1.1806	2.5936	7.38	20.84
1637	Shell-Thick	SLE-QP	0.3665	5.8405	5.99	20.84
1637	Shell-Thick	SLE-QP	-0.6218	6.1219	5.99	22.23
1637	Shell-Thick	SLE-QP	-2.1981	2.9031	7.38	22.23
1638	Shell-Thick	SLU-STATICA	-1.0306	8.4964	10.41	39.31
1638	Shell-Thick	SLU-STATICA	0.6994	14.6440	8.35	39.31
1638	Shell-Thick	SLU-STATICA	-0.6169	15.8082	8.35	41.37
1638	Shell-Thick	SLU-STATICA	-2.5306	9.8428	10.41	41.37
1638	Shell-Thick	SLU-SISMICA	0.4926	16.1895	15.77	52.18
1638	Shell-Thick	SLU-SISMICA	2.5731	24.3882	12.71	52.18
1638	Shell-Thick	SLU-SISMICA	0.5709	26.2821	12.71	55.24
1638	Shell-Thick	SLU-SISMICA	-1.7819	18.3534	15.77	55.24
1638	Shell-Thick	SLE-RARA	-0.8568	6.0548	7.62	29.15
1638	Shell-Thick	SLE-RARA	0.4366	10.6108	6.11	29.15
1638	Shell-Thick	SLE-RARA	-0.5266	11.4566	6.11	30.66
1638	Shell-Thick	SLE-RARA	-1.9548	7.0342	7.62	30.66
1638	Shell-Thick	SLE-FREQ.	-0.9608	5.2733	6.99	27.37
1638	Shell-Thick	SLE-FREQ.	0.2719	9.5484	5.60	27.37
1638	Shell-Thick	SLE-FREQ.	-0.6113	10.3134	5.60	28.76
1638	Shell-Thick	SLE-FREQ.	-1.9682	6.1614	6.99	28.76
1638	Shell-Thick	SLE-QP	-1.2730	2.9287	5.11	22.04

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1638	Shell-Thick	SLE-QP	-0.2223	6.3611	4.07	22.04
1638	Shell-Thick	SLE-QP	-0.8652	6.8837	4.07	23.08
1638	Shell-Thick	SLE-QP	-2.0082	3.5428	5.11	23.08
1639	Shell-Thick	SLU-STATICA	-2.0847	9.8769	7.42	41.31
1639	Shell-Thick	SLU-STATICA	1.0042	16.1874	5.86	41.31
1639	Shell-Thick	SLU-STATICA	5.028E-05	17.0522	5.86	42.87
1639	Shell-Thick	SLU-STATICA	-3.0747	10.7264	7.42	42.87
1639	Shell-Thick	SLU-SISMICA	-1.1994	18.3914	12.17	55.14
1639	Shell-Thick	SLU-SISMICA	2.9536	26.8371	9.73	55.14
1639	Shell-Thick	SLU-SISMICA	1.2942	28.2237	9.73	57.58
1639	Shell-Thick	SLU-SISMICA	-2.8286	19.7459	12.17	57.58
1639	Shell-Thick	SLE-RARA	-1.6237	7.0599	5.39	30.61
1639	Shell-Thick	SLE-RARA	0.6638	11.7352	4.25	30.61
1639	Shell-Thick	SLE-RARA	-0.0644	12.3645	4.25	31.75
1639	Shell-Thick	SLE-RARA	-2.3421	7.6784	5.39	31.75
1639	Shell-Thick	SLE-FREQ.	-1.6564	6.1861	4.86	28.72
1639	Shell-Thick	SLE-FREQ.	0.4872	10.5707	3.83	28.72
1639	Shell-Thick	SLE-FREQ.	-0.1692	11.1416	3.83	29.76
1639	Shell-Thick	SLE-FREQ.	-2.3046	6.7479	4.86	29.76
1639	Shell-Thick	SLE-QP	-1.7546	3.5647	3.29	23.04
1639	Shell-Thick	SLE-QP	-0.0425	7.0770	2.56	23.04
1639	Shell-Thick	SLE-QP	-0.4835	7.4727	2.56	23.78
1639	Shell-Thick	SLE-QP	-2.1920	3.9562	3.29	23.78
1640	Shell-Thick	SLU-STATICA	-1.6282	10.8152	4.93	42.63
1640	Shell-Thick	SLU-STATICA	0.4794	17.3486	3.77	42.63
1640	Shell-Thick	SLU-STATICA	-0.1276	18.3898	3.77	43.80
1640	Shell-Thick	SLU-STATICA	-2.3275	11.9479	4.93	43.80
1640	Shell-Thick	SLU-SISMICA	-0.6694	19.8788	9.12	57.24
1640	Shell-Thick	SLU-SISMICA	2.0728	28.6784	7.17	57.24
1640	Shell-Thick	SLU-SISMICA	0.9114	30.2827	7.17	59.19
1640	Shell-Thick	SLU-SISMICA	-1.9532	21.6040	9.12	59.19
1640	Shell-Thick	SLE-RARA	-1.2815	7.7435	3.53	31.58
1640	Shell-Thick	SLE-RARA	0.2839	12.5812	2.69	31.58
1640	Shell-Thick	SLE-RARA	-0.1485	13.3421	2.69	32.42
1640	Shell-Thick	SLE-RARA	-1.7823	8.5723	3.53	32.42
1640	Shell-Thick	SLE-FREQ.	-1.3287	6.8078	3.10	29.60
1640	Shell-Thick	SLE-FREQ.	0.1459	11.3399	2.34	29.60
1640	Shell-Thick	SLE-FREQ.	-0.2302	12.0357	2.34	30.36
1640	Shell-Thick	SLE-FREQ.	-1.7691	7.5674	3.10	30.36
1640	Shell-Thick	SLE-QP	-1.4703	4.0004	1.81	23.66
1640	Shell-Thick	SLE-QP	-0.2679	7.6160	1.30	23.66
1640	Shell-Thick	SLE-QP	-0.4754	8.1167	1.30	24.16
1640	Shell-Thick	SLE-QP	-1.7296	4.5526	1.81	24.16
1641	Shell-Thick	SLU-STATICA	-1.9714	12.0223	2.93	43.80
1641	Shell-Thick	SLU-STATICA	1.1027	18.6327	2.13	43.80
1641	Shell-Thick	SLU-STATICA	0.6977	19.5563	2.13	44.61
1641	Shell-Thick	SLU-STATICA	-2.3258	12.8947	2.93	44.61
1641	Shell-Thick	SLU-SISMICA	-1.3473	21.7277	6.63	59.19
1641	Shell-Thick	SLU-SISMICA	2.8942	30.6767	5.13	59.19
1641	Shell-Thick	SLU-SISMICA	1.9628	32.0749	5.13	60.69
1641	Shell-Thick	SLU-SISMICA	-2.1809	23.0269	6.63	60.69
1641	Shell-Thick	SLE-RARA	-1.5249	8.6262	2.04	32.42
1641	Shell-Thick	SLE-RARA	0.7463	13.5186	1.46	32.42
1641	Shell-Thick	SLE-RARA	0.4657	14.1948	1.46	33.00
1641	Shell-Thick	SLE-RARA	-1.7696	9.2660	2.04	33.00
1641	Shell-Thick	SLE-FREQ.	-1.5386	7.6159	1.68	30.36
1641	Shell-Thick	SLE-FREQ.	0.5807	12.1955	1.18	30.36
1641	Shell-Thick	SLE-FREQ.	0.3502	12.8160	1.18	30.86
1641	Shell-Thick	SLE-FREQ.	-1.7379	8.2049	1.68	30.86
1641	Shell-Thick	SLE-QP	-1.5796	4.5850	0.62	24.16
1641	Shell-Thick	SLE-QP	0.0838	8.2262	0.33	24.16
1641	Shell-Thick	SLE-QP	0.0039	8.6797	0.33	24.46
1641	Shell-Thick	SLE-QP	-1.6427	5.0214	0.62	24.46
1642	Shell-Thick	SLU-STATICA	-1.2414	12.9927	1.32	44.47
1642	Shell-Thick	SLU-STATICA	0.9693	19.7295	0.78	44.47
1642	Shell-Thick	SLU-STATICA	0.8320	20.6840	0.78	45.01
1642	Shell-Thick	SLU-STATICA	-1.4198	13.9878	1.32	45.01
1642	Shell-Thick	SLU-SISMICA	-0.4295	23.1965	4.57	60.48
1642	Shell-Thick	SLU-SISMICA	2.5843	32.3798	3.41	60.48

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1642	Shell-Thick	SLU-SISMICA	2.0020	33.8036	3.41	61.64
1642	Shell-Thick	SLU-SISMICA	-1.0454	24.6530	4.57	61.64
1642	Shell-Thick	SLE-RARA	-0.9811	9.3367	0.84	32.90
1642	Shell-Thick	SLE-RARA	0.6540	14.3195	0.46	32.90
1642	Shell-Thick	SLE-RARA	0.5721	15.0193	0.46	33.28
1642	Shell-Thick	SLE-RARA	-1.0945	10.0677	0.84	33.28
1642	Shell-Thick	SLE-FREQ.	-1.0237	8.2679	0.55	30.77
1642	Shell-Thick	SLE-FREQ.	0.5051	12.9268	0.23	30.77
1642	Shell-Thick	SLE-FREQ.	0.4619	13.5708	0.23	31.09
1642	Shell-Thick	SLE-FREQ.	-1.0982	8.9430	0.55	31.09
1642	Shell-Thick	SLE-QP	-1.1513	5.0616	-0.31	24.39
1642	Shell-Thick	SLE-QP	0.0586	8.7488	-0.45	24.39
1642	Shell-Thick	SLE-QP	0.1311	9.2253	-0.45	24.53
1642	Shell-Thick	SLE-QP	-1.1096	5.5689	-0.31	24.53
1643	Shell-Thick	SLU-STATICA	-1.2157	14.0631	5.674E-02	45.05
1643	Shell-Thick	SLU-STATICA	1.6736	20.8178	-0.24	45.05
1643	Shell-Thick	SLU-STATICA	1.6568	21.7118	-0.24	45.34
1643	Shell-Thick	SLU-STATICA	-1.1720	14.8965	5.674E-02	45.34
1643	Shell-Thick	SLU-SISMICA	-0.5583	24.7979	2.90	61.70
1643	Shell-Thick	SLU-SISMICA	3.5240	34.0606	2.07	61.70
1643	Shell-Thick	SLU-SISMICA	3.0890	35.3837	2.07	62.53
1643	Shell-Thick	SLU-SISMICA	-0.8698	25.9967	2.90	62.53
1643	Shell-Thick	SLE-RARA	-0.9539	10.1213	-9.870E-02	33.31
1643	Shell-Thick	SLE-RARA	1.1759	15.1146	-0.29	33.31
1643	Shell-Thick	SLE-RARA	1.1840	15.7707	-0.29	33.50
1643	Shell-Thick	SLE-RARA	-0.9032	10.7346	-9.870E-02	33.50
1643	Shell-Thick	SLE-FREQ.	-0.9844	8.9896	-0.33	31.12
1643	Shell-Thick	SLE-FREQ.	0.9949	13.6537	-0.48	31.12
1643	Shell-Thick	SLE-FREQ.	1.0371	14.2583	-0.48	31.26
1643	Shell-Thick	SLE-FREQ.	-0.9057	9.5577	-0.33	31.26
1643	Shell-Thick	SLE-QP	-1.0759	5.5943	-1.02	24.55
1643	Shell-Thick	SLE-QP	0.4516	9.2707	-1.02	24.55
1643	Shell-Thick	SLE-QP	0.5965	9.7210	-1.02	24.55
1643	Shell-Thick	SLE-QP	-0.9135	6.0270	-1.02	24.55
1644	Shell-Thick	SLU-STATICA	-0.4391	14.9783	-0.89	45.27
1644	Shell-Thick	SLU-STATICA	1.7334	21.7920	-1.01	45.27
1644	Shell-Thick	SLU-STATICA	1.8854	22.6294	-1.01	45.39
1644	Shell-Thick	SLU-STATICA	-0.3048	15.8334	-0.89	45.39
1644	Shell-Thick	SLU-SISMICA	0.4381	26.1582	1.58	62.42
1644	Shell-Thick	SLU-SISMICA	3.5086	35.5677	0.99	62.42
1644	Shell-Thick	SLU-SISMICA	3.3106	36.8031	0.99	63.01
1644	Shell-Thick	SLU-SISMICA	0.2508	27.3825	1.58	63.01
1644	Shell-Thick	SLE-RARA	-0.3764	10.7926	-0.80	33.45
1644	Shell-Thick	SLE-RARA	1.2250	15.8263	-0.87	33.45
1644	Shell-Thick	SLE-RARA	1.3576	16.4410	-0.87	33.51
1644	Shell-Thick	SLE-RARA	-0.2587	11.4222	-0.80	33.51
1644	Shell-Thick	SLE-FREQ.	-0.4392	9.6077	-0.98	31.21
1644	Shell-Thick	SLE-FREQ.	1.0489	14.3039	-1.01	31.21
1644	Shell-Thick	SLE-FREQ.	1.2070	14.8708	-1.01	31.24
1644	Shell-Thick	SLE-FREQ.	-0.2979	10.1914	-0.98	31.24
1644	Shell-Thick	SLE-QP	-0.6276	6.0531	-1.53	24.51
1644	Shell-Thick	SLE-QP	0.5206	9.7370	-1.44	24.51
1644	Shell-Thick	SLE-QP	0.7552	10.1602	-1.44	24.41
1644	Shell-Thick	SLE-QP	-0.4158	6.4992	-1.53	24.41
1645	Shell-Thick	SLU-STATICA	-0.2514	15.8914	-1.57	45.44
1645	Shell-Thick	SLU-STATICA	2.3942	22.6838	-1.53	45.44
1645	Shell-Thick	SLU-STATICA	2.6003	23.4614	-1.53	45.40
1645	Shell-Thick	SLU-STATICA	0.0083	16.6155	-1.57	45.40
1645	Shell-Thick	SLU-SISMICA	0.5703	27.5138	0.55	63.10
1645	Shell-Thick	SLU-SISMICA	4.3941	36.9524	0.19	63.10
1645	Shell-Thick	SLU-SISMICA	4.2778	38.1019	0.19	63.46
1645	Shell-Thick	SLU-SISMICA	0.5755	28.5416	0.55	63.46
1645	Shell-Thick	SLE-RARA	-0.2314	11.4625	-1.30	33.55
1645	Shell-Thick	SLE-RARA	1.7145	16.4775	-1.25	33.55
1645	Shell-Thick	SLE-RARA	1.8867	17.0482	-1.25	33.50
1645	Shell-Thick	SLE-RARA	-0.0220	11.9960	-1.30	33.50
1645	Shell-Thick	SLE-FREQ.	-0.2933	10.2247	-1.44	31.28
1645	Shell-Thick	SLE-FREQ.	1.5079	14.8986	-1.36	31.28
1645	Shell-Thick	SLE-FREQ.	1.7024	15.4246	-1.36	31.19

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1645	Shell-Thick	SLE-FREQ.	-0.0681	10.7201	-1.44	31.19
1645	Shell-Thick	SLE-QP	-0.4787	6.5114	-1.87	24.44
1645	Shell-Thick	SLE-QP	0.8880	10.1619	-1.69	24.44
1645	Shell-Thick	SLE-QP	1.1492	10.5541	-1.69	24.26
1645	Shell-Thick	SLE-QP	-0.2063	6.8924	-1.87	24.26
1646	Shell-Thick	SLU-STATICA	0.4541	16.6723	-1.98	45.37
1646	Shell-Thick	SLU-STATICA	2.5251	23.4787	-1.84	45.37
1646	Shell-Thick	SLU-STATICA	2.8178	24.1483	-1.84	45.22
1646	Shell-Thick	SLU-STATICA	0.7340	17.3548	-1.98	45.22
1646	Shell-Thick	SLU-SISMICA	1.4888	28.6746	-0.19	63.41
1646	Shell-Thick	SLU-SISMICA	4.5029	38.1967	-0.39	63.41
1646	Shell-Thick	SLU-SISMICA	4.5343	39.1943	-0.39	63.61
1646	Shell-Thick	SLU-SISMICA	1.5445	29.6477	-0.19	63.61
1646	Shell-Thick	SLE-RARA	0.2926	12.0352	-1.59	33.48
1646	Shell-Thick	SLE-RARA	1.8148	17.0574	-1.46	33.48
1646	Shell-Thick	SLE-RARA	2.0496	17.5484	-1.46	33.35
1646	Shell-Thick	SLE-RARA	0.5158	12.5379	-1.59	33.35
1646	Shell-Thick	SLE-FREQ.	0.2003	10.7521	-1.70	31.17
1646	Shell-Thick	SLE-FREQ.	1.6075	15.4273	-1.55	31.17
1646	Shell-Thick	SLE-FREQ.	1.8580	15.8792	-1.55	31.02
1646	Shell-Thick	SLE-FREQ.	0.4364	11.2185	-1.70	31.02
1646	Shell-Thick	SLE-QP	-0.0764	6.9028	-2.02	24.25
1646	Shell-Thick	SLE-QP	0.9856	10.5370	-1.79	24.25
1646	Shell-Thick	SLE-QP	1.2832	10.8717	-1.79	24.02
1646	Shell-Thick	SLE-QP	0.1985	7.2603	-2.02	24.02
1647	Shell-Thick	SLU-STATICA	0.6564	17.3888	-2.14	45.28
1647	Shell-Thick	SLU-STATICA	3.0935	24.1539	-1.91	45.28
1647	Shell-Thick	SLU-STATICA	3.3357	24.6784	-1.91	45.08
1647	Shell-Thick	SLU-STATICA	0.9483	17.8800	-2.14	45.08
1647	Shell-Thick	SLU-SISMICA	1.6652	29.7450	-0.66	63.70
1647	Shell-Thick	SLU-SISMICA	5.2610	39.2665	-0.72	63.70
1647	Shell-Thick	SLU-SISMICA	5.2873	40.0571	-0.72	63.75
1647	Shell-Thick	SLU-SISMICA	1.8217	30.4480	-0.66	63.75
1647	Shell-Thick	SLE-RARA	0.4471	12.5605	-1.70	33.39
1647	Shell-Thick	SLE-RARA	2.2361	17.5493	-1.51	33.39
1647	Shell-Thick	SLE-RARA	2.4304	17.9336	-1.51	33.23
1647	Shell-Thick	SLE-RARA	0.6751	12.9221	-1.70	33.23
1647	Shell-Thick	SLE-FREQ.	0.3532	11.2354	-1.78	31.06
1647	Shell-Thick	SLE-FREQ.	2.0028	15.8747	-1.57	31.06
1647	Shell-Thick	SLE-FREQ.	2.2100	16.2275	-1.57	30.88
1647	Shell-Thick	SLE-FREQ.	0.5866	11.5707	-1.78	30.88
1647	Shell-Thick	SLE-QP	0.0714	7.2599	-2.02	24.05
1647	Shell-Thick	SLE-QP	1.3030	10.8506	-1.75	24.05
1647	Shell-Thick	SLE-QP	1.5491	11.1095	-1.75	23.82
1647	Shell-Thick	SLE-QP	0.3214	7.5163	-2.02	23.82
1648	Shell-Thick	SLU-STATICA	1.2169	17.9090	-2.13	45.06
1648	Shell-Thick	SLU-STATICA	3.1383	24.6636	-1.87	45.06
1648	Shell-Thick	SLU-STATICA	3.3776	25.0197	-1.87	44.87
1648	Shell-Thick	SLU-STATICA	1.4160	18.2802	-2.13	44.87
1648	Shell-Thick	SLU-SISMICA	2.4077	30.5300	-0.91	63.72
1648	Shell-Thick	SLU-SISMICA	5.2721	40.0893	-0.90	63.72
1648	Shell-Thick	SLU-SISMICA	5.3656	40.6349	-0.90	63.71
1648	Shell-Thick	SLU-SISMICA	2.5122	31.0716	-0.91	63.71
1648	Shell-Thick	SLE-RARA	0.8628	12.9415	-1.68	33.21
1648	Shell-Thick	SLE-RARA	2.2717	17.9200	-1.47	33.21
1648	Shell-Thick	SLE-RARA	2.4603	18.1804	-1.47	33.06
1648	Shell-Thick	SLE-RARA	1.0183	13.2143	-1.68	33.06
1648	Shell-Thick	SLE-FREQ.	0.7436	11.5852	-1.73	30.86
1648	Shell-Thick	SLE-FREQ.	2.0403	16.2104	-1.51	30.86
1648	Shell-Thick	SLE-FREQ.	2.2362	16.4488	-1.51	30.69
1648	Shell-Thick	SLE-FREQ.	0.9031	11.8373	-1.73	30.69
1648	Shell-Thick	SLE-QP	0.3862	7.5163	-1.91	23.80
1648	Shell-Thick	SLE-QP	1.3462	11.0818	-1.64	23.80
1648	Shell-Thick	SLE-QP	1.5641	11.2542	-1.64	23.60
1648	Shell-Thick	SLE-QP	0.5575	7.7062	-1.91	23.60
1649	Shell-Thick	SLU-STATICA	1.2557	18.2910	-2.12	44.91
1649	Shell-Thick	SLU-STATICA	3.5225	25.0059	-1.81	44.91
1649	Shell-Thick	SLU-STATICA	3.7160	25.3196	-1.81	44.69
1649	Shell-Thick	SLU-STATICA	1.4931	18.5884	-2.12	44.69



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1649	Shell-Thick	SLU-SISMICA	2.4378	31.1218	-1.12	63.79
1649	Shell-Thick	SLU-SISMICA	5.8278	40.6623	-1.01	63.79
1649	Shell-Thick	SLU-SISMICA	5.8745	41.1515	-1.01	63.71
1649	Shell-Thick	SLU-SISMICA	2.6244	31.5589	-1.12	63.71
1649	Shell-Thick	SLE-RARA	0.8926	13.2205	-1.66	33.09
1649	Shell-Thick	SLE-RARA	2.5543	18.1678	-1.41	33.09
1649	Shell-Thick	SLE-RARA	2.7082	18.3968	-1.41	32.91
1649	Shell-Thick	SLE-RARA	1.0750	13.4389	-1.66	32.91
1649	Shell-Thick	SLE-FREQ.	0.7734	11.8401	-1.70	30.73
1649	Shell-Thick	SLE-FREQ.	2.3019	16.4332	-1.44	30.73
1649	Shell-Thick	SLE-FREQ.	2.4640	16.6421	-1.44	30.54
1649	Shell-Thick	SLE-FREQ.	0.9556	12.0416	-1.70	30.54
1649	Shell-Thick	SLE-QP	0.4159	7.6988	-1.83	23.63
1649	Shell-Thick	SLE-QP	1.5446	11.2294	-1.53	23.63
1649	Shell-Thick	SLE-QP	1.7315	11.3781	-1.53	23.41
1649	Shell-Thick	SLE-QP	0.5971	7.8498	-1.83	23.41
1650	Shell-Thick	SLU-STATICA	1.5852	18.5957	-2.13	44.67
1650	Shell-Thick	SLU-STATICA	3.5061	25.2887	-1.77	44.67
1650	Shell-Thick	SLU-STATICA	3.8127	25.6127	-1.77	44.31
1650	Shell-Thick	SLU-STATICA	1.8648	18.9469	-2.13	44.31
1650	Shell-Thick	SLU-SISMICA	2.9534	31.6120	-1.35	63.70
1650	Shell-Thick	SLU-SISMICA	5.8373	41.1567	-1.16	63.70
1650	Shell-Thick	SLU-SISMICA	6.0216	41.6863	-1.16	63.51
1650	Shell-Thick	SLU-SISMICA	3.1451	32.1342	-1.35	63.51
1650	Shell-Thick	SLE-RARA	1.1330	13.4422	-1.65	32.90
1650	Shell-Thick	SLE-RARA	2.5406	18.3716	-1.37	32.90
1650	Shell-Thick	SLE-RARA	2.7790	18.6068	-1.37	32.62
1650	Shell-Thick	SLE-RARA	1.3493	13.6998	-1.65	32.62
1650	Shell-Thick	SLE-FREQ.	0.9926	12.0410	-1.68	30.53
1650	Shell-Thick	SLE-FREQ.	2.2863	16.6146	-1.39	30.53
1650	Shell-Thick	SLE-FREQ.	2.5290	16.8271	-1.39	30.24
1650	Shell-Thick	SLE-FREQ.	1.2108	12.2782	-1.68	30.24
1650	Shell-Thick	SLE-QP	0.5715	7.8376	-1.75	23.40
1650	Shell-Thick	SLE-QP	1.5237	11.3435	-1.44	23.40
1650	Shell-Thick	SLE-QP	1.7788	11.4879	-1.44	23.09
1650	Shell-Thick	SLE-QP	0.7953	8.0136	-1.75	23.09
1651	Shell-Thick	SLU-STATICA	1.7176	18.9457	-2.17	44.34
1651	Shell-Thick	SLU-STATICA	3.7510	25.5721	-1.76	44.34
1651	Shell-Thick	SLU-STATICA	4.0461	25.8071	-1.76	43.94
1651	Shell-Thick	SLU-STATICA	2.0135	19.1802	-2.17	43.94
1651	Shell-Thick	SLU-SISMICA	3.1573	32.1826	-1.61	63.56
1651	Shell-Thick	SLU-SISMICA	6.2144	41.6790	-1.33	63.56
1651	Shell-Thick	SLU-SISMICA	6.4093	42.0833	-1.33	63.28
1651	Shell-Thick	SLU-SISMICA	3.4028	32.5366	-1.61	63.28
1651	Shell-Thick	SLE-RARA	1.2298	13.6964	-1.67	32.64
1651	Shell-Thick	SLE-RARA	2.7195	18.5744	-1.36	32.64
1651	Shell-Thick	SLE-RARA	2.9481	18.7441	-1.36	32.33
1651	Shell-Thick	SLE-RARA	1.4565	13.8681	-1.67	32.33
1651	Shell-Thick	SLE-FREQ.	1.0811	12.2709	-1.68	30.26
1651	Shell-Thick	SLE-FREQ.	2.4500	16.7928	-1.36	30.26
1651	Shell-Thick	SLE-FREQ.	2.6812	16.9443	-1.36	29.94
1651	Shell-Thick	SLE-FREQ.	1.3064	12.4286	-1.68	29.94
1651	Shell-Thick	SLE-QP	0.6352	7.9943	-1.69	23.11
1651	Shell-Thick	SLE-QP	1.6415	11.4478	-1.37	23.11
1651	Shell-Thick	SLE-QP	1.8805	11.5451	-1.37	22.78
1651	Shell-Thick	SLE-QP	0.8561	8.1098	-1.69	22.78
1652	Shell-Thick	SLU-STATICA	1.9596	19.1698	-2.24	43.94
1652	Shell-Thick	SLU-STATICA	3.7854	25.7547	-1.80	43.94
1652	Shell-Thick	SLU-STATICA	4.1104	25.8909	-1.80	43.50
1652	Shell-Thick	SLU-STATICA	2.2410	19.3500	-2.24	43.50
1652	Shell-Thick	SLU-SISMICA	3.5348	32.5699	-1.86	63.29
1652	Shell-Thick	SLU-SISMICA	6.2982	42.0542	-1.51	63.29
1652	Shell-Thick	SLU-SISMICA	6.5603	42.3178	-1.51	62.94
1652	Shell-Thick	SLU-SISMICA	3.7798	32.8509	-1.86	62.94
1652	Shell-Thick	SLE-RARA	1.4063	13.8580	-1.72	32.33
1652	Shell-Thick	SLE-RARA	2.7431	18.7032	-1.38	32.33
1652	Shell-Thick	SLE-RARA	2.9926	18.8001	-1.38	31.99
1652	Shell-Thick	SLE-RARA	1.6214	13.9895	-1.72	31.99
1652	Shell-Thick	SLE-FREQ.	1.2422	12.4151	-1.70	29.94



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1652	Shell-Thick	SLE-FREQ.	2.4690	16.9025	-1.37	29.94
1652	Shell-Thick	SLE-FREQ.	2.7174	16.9866	-1.37	29.60
1652	Shell-Thick	SLE-FREQ.	1.4549	12.5351	-1.70	29.60
1652	Shell-Thick	SLE-QP	0.7498	8.0863	-1.67	22.78
1652	Shell-Thick	SLE-QP	1.6466	11.5005	-1.34	22.78
1652	Shell-Thick	SLE-QP	1.8921	11.5460	-1.34	22.44
1652	Shell-Thick	SLE-QP	0.9556	8.1717	-1.67	22.44
1653	Shell-Thick	SLU-STATICA	2.0271	19.3254	-2.35	43.52
1653	Shell-Thick	SLU-STATICA	3.9102	25.8326	-1.86	43.52
1653	Shell-Thick	SLU-STATICA	4.2364	25.8847	-1.86	43.03
1653	Shell-Thick	SLU-STATICA	2.3323	19.3989	-2.35	43.03
1653	Shell-Thick	SLU-SISMICA	3.6732	32.8626	-2.13	62.98
1653	Shell-Thick	SLU-SISMICA	6.5172	42.2761	-1.70	62.98
1653	Shell-Thick	SLU-SISMICA	6.7960	42.4135	-1.70	62.55
1653	Shell-Thick	SLU-SISMICA	3.9701	32.9822	-2.13	62.55
1653	Shell-Thick	SLE-RARA	1.4540	13.9692	-1.79	32.00
1653	Shell-Thick	SLE-RARA	2.8330	18.7551	-1.42	32.00
1653	Shell-Thick	SLE-RARA	3.0826	18.7903	-1.42	31.63
1653	Shell-Thick	SLE-RARA	1.6857	14.0225	-1.79	31.63
1653	Shell-Thick	SLE-FREQ.	1.2829	12.5122	-1.76	29.61
1653	Shell-Thick	SLE-FREQ.	2.5489	16.9413	-1.40	29.61
1653	Shell-Thick	SLE-FREQ.	2.7962	16.9686	-1.40	29.25
1653	Shell-Thick	SLE-FREQ.	1.5096	12.5605	-1.76	29.25
1653	Shell-Thick	SLE-QP	0.7695	8.1415	-1.68	22.45
1653	Shell-Thick	SLE-QP	1.6966	11.5000	-1.33	22.45
1653	Shell-Thick	SLE-QP	1.9371	11.5036	-1.33	22.10
1653	Shell-Thick	SLE-QP	0.9811	8.1743	-1.68	22.10
1654	Shell-Thick	SLU-STATICA	2.1484	19.3634	-2.49	43.03
1654	Shell-Thick	SLU-STATICA	3.8966	25.8154	-1.97	43.03
1654	Shell-Thick	SLU-STATICA	4.2620	25.7941	-1.97	42.51
1654	Shell-Thick	SLU-STATICA	2.4517	19.4046	-2.49	42.51
1654	Shell-Thick	SLU-SISMICA	3.8903	32.9765	-2.42	62.56
1654	Shell-Thick	SLU-SISMICA	6.5447	42.3530	-1.92	62.56
1654	Shell-Thick	SLU-SISMICA	6.8931	42.3815	-1.92	62.05
1654	Shell-Thick	SLU-SISMICA	4.1934	33.0507	-2.42	62.05
1654	Shell-Thick	SLE-RARA	1.5411	13.9941	-1.89	31.63
1654	Shell-Thick	SLE-RARA	2.8206	18.7373	-1.49	31.63
1654	Shell-Thick	SLE-RARA	3.0984	18.7187	-1.49	31.24
1654	Shell-Thick	SLE-RARA	1.7709	14.0237	-1.89	31.24
1654	Shell-Thick	SLE-FREQ.	1.3600	12.5303	-1.85	29.25
1654	Shell-Thick	SLE-FREQ.	2.5335	16.9163	-1.46	29.25
1654	Shell-Thick	SLE-FREQ.	2.8057	16.8940	-1.46	28.86
1654	Shell-Thick	SLE-FREQ.	1.5841	12.5565	-1.85	28.86
1654	Shell-Thick	SLE-QP	0.8165	8.1390	-1.72	22.09
1654	Shell-Thick	SLE-QP	1.6719	11.4530	-1.36	22.09
1654	Shell-Thick	SLE-QP	1.9279	11.4199	-1.36	21.73
1654	Shell-Thick	SLE-QP	1.0237	8.1548	-1.72	21.73
1655	Shell-Thick	SLU-STATICA	2.1612	19.3560	-2.67	42.52
1655	Shell-Thick	SLU-STATICA	3.9222	25.7167	-2.10	42.52
1655	Shell-Thick	SLU-STATICA	4.3015	25.6158	-2.10	41.94
1655	Shell-Thick	SLU-STATICA	2.4989	19.2973	-2.67	41.94
1655	Shell-Thick	SLU-SISMICA	3.9617	33.0253	-2.74	62.08
1655	Shell-Thick	SLU-SISMICA	6.6248	42.3068	-2.15	62.08
1655	Shell-Thick	SLU-SISMICA	6.9978	42.2083	-2.15	61.49
1655	Shell-Thick	SLU-SISMICA	4.3217	32.9402	-2.74	61.49
1655	Shell-Thick	SLE-RARA	1.5480	13.9857	-2.02	31.24
1655	Shell-Thick	SLE-RARA	2.8373	18.6599	-1.59	31.24
1655	Shell-Thick	SLE-RARA	3.1251	18.5834	-1.59	30.81
1655	Shell-Thick	SLE-RARA	1.8027	13.9426	-2.02	30.81
1655	Shell-Thick	SLE-FREQ.	1.3618	12.5175	-1.97	28.86
1655	Shell-Thick	SLE-FREQ.	2.5453	16.8364	-1.55	28.86
1655	Shell-Thick	SLE-FREQ.	2.8264	16.7616	-1.55	28.44
1655	Shell-Thick	SLE-FREQ.	1.6084	12.4776	-1.97	28.44
1655	Shell-Thick	SLE-QP	0.8034	8.1130	-1.80	21.73
1655	Shell-Thick	SLE-QP	1.6691	11.3660	-1.42	21.73
1655	Shell-Thick	SLE-QP	1.9305	11.2963	-1.42	21.34
1655	Shell-Thick	SLE-QP	1.0257	8.0827	-1.80	21.34
1656	Shell-Thick	SLU-STATICA	2.1819	19.2364	-2.91	41.94
1656	Shell-Thick	SLU-STATICA	3.8665	25.5264	-2.29	41.94

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1656	Shell-Thick	SLU-STATICA	4.2974	25.3795	-2.29	41.32
1656	Shell-Thick	SLU-STATICA	2.5322	19.1706	-2.91	41.32
1656	Shell-Thick	SLU-SISMICA	4.0366	32.8962	-3.09	61.50
1656	Shell-Thick	SLU-SISMICA	6.5969	42.1151	-2.42	61.50
1656	Shell-Thick	SLU-SISMICA	7.0477	41.9432	-2.42	60.83
1656	Shell-Thick	SLU-SISMICA	4.4139	32.7982	-3.09	60.83
1656	Shell-Thick	SLE-RARA	1.5609	13.8955	-2.20	30.81
1656	Shell-Thick	SLE-RARA	2.7937	18.5158	-1.73	30.81
1656	Shell-Thick	SLE-RARA	3.1193	18.4057	-1.73	30.33
1656	Shell-Thick	SLE-RARA	1.8250	13.8473	-2.20	30.33
1656	Shell-Thick	SLE-FREQ.	1.3700	12.4303	-2.13	28.44
1656	Shell-Thick	SLE-FREQ.	2.5005	16.6960	-1.67	28.44
1656	Shell-Thick	SLE-FREQ.	2.8164	16.5907	-1.67	27.98
1656	Shell-Thick	SLE-FREQ.	1.6254	12.3859	-2.13	27.98
1656	Shell-Thick	SLE-QP	0.7973	8.0348	-1.92	21.34
1656	Shell-Thick	SLE-QP	1.6206	11.2365	-1.51	21.34
1656	Shell-Thick	SLE-QP	1.9076	11.1456	-1.51	20.93
1656	Shell-Thick	SLE-QP	1.0264	8.0018	-1.92	20.93
1657	Shell-Thick	SLU-STATICA	2.1505	19.0975	-3.21	41.32
1657	Shell-Thick	SLU-STATICA	3.8092	25.2785	-2.52	41.32
1657	Shell-Thick	SLU-STATICA	4.2693	25.0545	-2.52	40.63
1657	Shell-Thick	SLU-STATICA	2.5506	18.9340	-3.21	40.63
1657	Shell-Thick	SLU-SISMICA	4.0480	32.7370	-3.49	60.84
1657	Shell-Thick	SLU-SISMICA	6.5566	41.8330	-2.73	60.84
1657	Shell-Thick	SLU-SISMICA	7.0435	41.5296	-2.73	60.07
1657	Shell-Thick	SLU-SISMICA	4.4946	32.4746	-3.49	60.07
1657	Shell-Thick	SLE-RARA	1.5350	13.7914	-2.42	30.33
1657	Shell-Thick	SLE-RARA	2.7495	18.3297	-1.90	30.33
1657	Shell-Thick	SLE-RARA	3.0968	18.1639	-1.90	29.82
1657	Shell-Thick	SLE-RARA	1.8359	13.6724	-2.42	29.82
1657	Shell-Thick	SLE-FREQ.	1.3412	12.3304	-2.33	27.98
1657	Shell-Thick	SLE-FREQ.	2.4559	16.5173	-1.84	27.98
1657	Shell-Thick	SLE-FREQ.	2.7924	16.3621	-1.84	27.48
1657	Shell-Thick	SLE-FREQ.	1.6308	12.2225	-2.33	27.48
1657	Shell-Thick	SLE-QP	0.7598	7.9476	-2.09	20.92
1657	Shell-Thick	SLE-QP	1.5751	11.0801	-1.65	20.92
1657	Shell-Thick	SLE-QP	1.8794	10.9567	-1.65	20.48
1657	Shell-Thick	SLE-QP	1.0158	7.8728	-2.09	20.48
1658	Shell-Thick	SLU-STATICA	2.0925	18.8477	-3.58	40.63
1658	Shell-Thick	SLU-STATICA	3.7191	24.9391	-2.82	40.63
1658	Shell-Thick	SLU-STATICA	4.2489	24.7000	-2.82	39.87
1658	Shell-Thick	SLU-STATICA	2.5246	18.7067	-3.58	39.87
1658	Shell-Thick	SLU-SISMICA	4.0057	32.3942	-3.96	60.08
1658	Shell-Thick	SLU-SISMICA	6.4804	41.3996	-3.10	60.08
1658	Shell-Thick	SLU-SISMICA	7.0601	41.0639	-3.10	59.22
1658	Shell-Thick	SLU-SISMICA	4.4861	32.1585	-3.96	59.22
1658	Shell-Thick	SLE-RARA	1.4902	13.6067	-2.70	29.82
1658	Shell-Thick	SLE-RARA	2.6806	18.0772	-2.13	29.82
1658	Shell-Thick	SLE-RARA	3.0795	17.9008	-2.13	29.25
1658	Shell-Thick	SLE-RARA	1.8152	13.5046	-2.70	29.25
1658	Shell-Thick	SLE-FREQ.	1.2963	12.1579	-2.60	27.48
1658	Shell-Thick	SLE-FREQ.	2.3875	16.2788	-2.05	27.48
1658	Shell-Thick	SLE-FREQ.	2.7725	16.1146	-2.05	26.94
1658	Shell-Thick	SLE-FREQ.	1.6093	12.0661	-2.60	26.94
1658	Shell-Thick	SLE-QP	0.7143	7.8116	-2.30	20.48
1658	Shell-Thick	SLE-QP	1.5085	10.8834	-1.83	20.48
1658	Shell-Thick	SLE-QP	1.8516	10.7561	-1.83	20.00
1658	Shell-Thick	SLE-QP	0.9914	7.7508	-2.30	20.00
1659	Shell-Thick	SLU-STATICA	2.0352	18.6096	-4.03	39.87
1659	Shell-Thick	SLU-STATICA	3.5984	24.5692	-3.19	39.87
1659	Shell-Thick	SLU-STATICA	4.1778	24.2525	-3.19	39.03
1659	Shell-Thick	SLU-STATICA	2.5400	18.3681	-4.03	39.03
1659	Shell-Thick	SLU-SISMICA	3.9756	32.0639	-4.49	59.22
1659	Shell-Thick	SLU-SISMICA	6.3435	40.9131	-3.52	59.22
1659	Shell-Thick	SLU-SISMICA	6.9759	40.4359	-3.52	58.25
1659	Shell-Thick	SLU-SISMICA	4.5458	31.6496	-4.49	58.25
1659	Shell-Thick	SLE-RARA	1.4454	13.4308	-3.03	29.24
1659	Shell-Thick	SLE-RARA	2.5899	17.8027	-2.40	29.24
1659	Shell-Thick	SLE-RARA	3.0263	17.5707	-2.40	28.62

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1659	Shell-Thick	SLE-RARA	1.8247	13.2565	-3.03	28.62
1659	Shell-Thick	SLE-FREQ.	1.2503	11.9940	-2.92	26.93
1659	Shell-Thick	SLE-FREQ.	2.3004	16.0206	-2.32	26.93
1659	Shell-Thick	SLE-FREQ.	2.7217	15.8075	-2.32	26.33
1659	Shell-Thick	SLE-FREQ.	1.6148	11.8381	-2.92	26.33
1659	Shell-Thick	SLE-QP	0.6650	7.6835	-2.58	20.00
1659	Shell-Thick	SLE-QP	1.4321	10.6742	-2.06	20.00
1659	Shell-Thick	SLE-QP	1.8080	10.5179	-2.06	19.48
1659	Shell-Thick	SLE-QP	0.9853	7.5831	-2.58	19.48
1660	Shell-Thick	SLU-STATICA	1.9315	18.2573	-4.59	39.03
1660	Shell-Thick	SLU-STATICA	3.4914	24.1042	-3.66	39.03
1660	Shell-Thick	SLU-STATICA	4.1666	23.8083	-3.66	38.11
1660	Shell-Thick	SLU-STATICA	2.4952	18.0738	-4.59	38.11
1660	Shell-Thick	SLU-SISMICA	3.8533	31.5362	-5.13	58.27
1660	Shell-Thick	SLU-SISMICA	6.2360	40.2629	-4.04	58.27
1660	Shell-Thick	SLU-SISMICA	6.9844	39.8018	-4.04	57.18
1660	Shell-Thick	SLU-SISMICA	4.4810	31.1966	-5.13	57.18
1660	Shell-Thick	SLE-RARA	1.3679	13.1727	-3.45	28.62
1660	Shell-Thick	SLE-RARA	2.5088	17.4596	-2.76	28.62
1660	Shell-Thick	SLE-RARA	3.0168	17.2436	-2.76	27.93
1660	Shell-Thick	SLE-RARA	1.7917	13.0414	-3.45	27.93
1660	Shell-Thick	SLE-FREQ.	1.1762	11.7566	-3.32	26.33
1660	Shell-Thick	SLE-FREQ.	2.2214	15.7012	-2.66	26.33
1660	Shell-Thick	SLE-FREQ.	2.7109	15.5041	-2.66	25.67
1660	Shell-Thick	SLE-FREQ.	1.5844	11.6413	-3.32	25.67
1660	Shell-Thick	SLE-QP	0.6012	7.5085	-2.93	19.47
1660	Shell-Thick	SLE-QP	1.3591	10.4259	-2.36	19.47
1660	Shell-Thick	SLE-QP	1.7930	10.2855	-2.36	18.91
1660	Shell-Thick	SLE-QP	0.9622	7.4413	-2.93	18.91
1661	Shell-Thick	SLU-STATICA	1.8840	17.9540	-5.25	38.11
1661	Shell-Thick	SLU-STATICA	3.3426	23.6410	-4.23	38.11
1661	Shell-Thick	SLU-STATICA	4.0962	23.2584	-4.23	37.09
1661	Shell-Thick	SLU-STATICA	2.5533	17.6565	-5.25	37.09
1661	Shell-Thick	SLU-SISMICA	3.8165	31.0726	-5.84	57.18
1661	Shell-Thick	SLU-SISMICA	6.0411	39.6042	-4.62	57.18
1661	Shell-Thick	SLU-SISMICA	6.8651	38.9769	-4.62	55.96
1661	Shell-Thick	SLU-SISMICA	4.5640	30.5227	-5.84	55.96
1661	Shell-Thick	SLE-RARA	1.3313	12.9508	-3.95	27.92
1661	Shell-Thick	SLE-RARA	2.3984	17.1183	-3.19	27.92
1661	Shell-Thick	SLE-RARA	2.9659	16.8406	-3.19	27.16
1661	Shell-Thick	SLE-RARA	1.8346	12.7380	-3.95	27.16
1661	Shell-Thick	SLE-FREQ.	1.1397	11.5534	-3.80	25.67
1661	Shell-Thick	SLE-FREQ.	2.1175	15.3844	-3.08	25.67
1661	Shell-Thick	SLE-FREQ.	2.6652	15.1337	-3.08	24.94
1661	Shell-Thick	SLE-FREQ.	1.6241	11.3665	-3.80	24.94
1661	Shell-Thick	SLE-QP	0.5647	7.3612	-3.36	18.90
1661	Shell-Thick	SLE-QP	1.2748	10.1826	-2.74	18.90
1661	Shell-Thick	SLE-QP	1.7632	10.0127	-2.74	18.28
1661	Shell-Thick	SLE-QP	0.9927	7.2522	-3.36	18.28
1662	Shell-Thick	SLU-STATICA	1.9474	17.5546	-5.87	37.11
1662	Shell-Thick	SLU-STATICA	3.3966	23.0992	-4.81	37.11
1662	Shell-Thick	SLU-STATICA	4.0406	22.9223	-4.81	36.40
1662	Shell-Thick	SLU-STATICA	2.3704	17.4372	-5.87	36.40
1662	Shell-Thick	SLU-SISMICA	3.8477	30.4156	-6.51	56.00
1662	Shell-Thick	SLU-SISMICA	6.1034	38.7883	-5.22	56.00
1662	Shell-Thick	SLU-SISMICA	6.8166	38.4770	-5.22	55.14
1662	Shell-Thick	SLU-SISMICA	4.3067	30.1727	-6.51	55.14
1662	Shell-Thick	SLE-RARA	1.3809	12.6610	-4.42	27.18
1662	Shell-Thick	SLE-RARA	2.4389	16.7214	-3.62	27.18
1662	Shell-Thick	SLE-RARA	2.9234	16.5941	-3.62	26.65
1662	Shell-Thick	SLE-RARA	1.6996	12.5783	-4.42	26.65
1662	Shell-Thick	SLE-FREQ.	1.1907	11.2919	-4.26	24.95
1662	Shell-Thick	SLE-FREQ.	2.1563	15.0198	-3.50	24.95
1662	Shell-Thick	SLE-FREQ.	2.6232	14.9067	-3.50	24.45
1662	Shell-Thick	SLE-FREQ.	1.4986	11.2216	-4.26	24.45
1662	Shell-Thick	SLE-QP	0.6200	7.1846	-3.77	18.29
1662	Shell-Thick	SLE-QP	1.3085	9.9149	-3.13	18.29
1662	Shell-Thick	SLE-QP	1.7226	9.8443	-3.13	17.86
1662	Shell-Thick	SLE-QP	0.8955	7.1513	-3.77	17.86

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1663	Shell-Thick	SLU-STATICA	1.8193	17.3284	-6.46	36.39
1663	Shell-Thick	SLU-STATICA	3.1736	22.7475	-5.28	36.39
1663	Shell-Thick	SLU-STATICA	4.0990	22.3197	-5.28	35.21
1663	Shell-Thick	SLU-STATICA	2.6573	16.9889	-6.46	35.21
1663	Shell-Thick	SLU-SISMICA	3.7056	30.0575	-7.16	55.14
1663	Shell-Thick	SLU-SISMICA	5.7974	38.2682	-5.72	55.14
1663	Shell-Thick	SLU-SISMICA	6.8047	37.5232	-5.72	53.70
1663	Shell-Thick	SLU-SISMICA	4.6316	29.3948	-7.16	53.70
1663	Shell-Thick	SLE-RARA	1.2845	12.4962	-4.86	26.64
1663	Shell-Thick	SLE-RARA	2.2740	16.4633	-3.98	26.64
1663	Shell-Thick	SLE-RARA	2.9712	16.1550	-3.98	25.76
1663	Shell-Thick	SLE-RARA	1.9152	12.2550	-4.86	25.76
1663	Shell-Thick	SLE-FREQ.	1.0978	11.1420	-4.68	24.44
1663	Shell-Thick	SLE-FREQ.	2.0023	14.7819	-3.85	24.44
1663	Shell-Thick	SLE-FREQ.	2.6756	14.5072	-3.85	23.61
1663	Shell-Thick	SLE-FREQ.	1.7057	10.9333	-4.68	23.61
1663	Shell-Thick	SLE-QP	0.5378	7.0794	-4.15	17.85
1663	Shell-Thick	SLE-QP	1.1872	9.7376	-3.45	17.85
1663	Shell-Thick	SLE-QP	1.7887	9.5639	-3.45	17.14
1663	Shell-Thick	SLE-QP	1.0773	6.9682	-4.15	17.14
1664	Shell-Thick	SLU-STATICA	1.7822	16.8425	-7.08	35.24
1664	Shell-Thick	SLU-STATICA	3.1429	22.0998	-5.80	35.24
1664	Shell-Thick	SLU-STATICA	4.1723	21.7671	-5.80	33.96
1664	Shell-Thick	SLU-STATICA	2.6871	16.6352	-7.08	33.96
1664	Shell-Thick	SLU-SISMICA	3.5955	29.2372	-7.89	53.75
1664	Shell-Thick	SLU-SISMICA	5.7301	37.2587	-6.31	53.75
1664	Shell-Thick	SLU-SISMICA	6.8668	36.6478	-6.31	52.17
1664	Shell-Thick	SLU-SISMICA	4.5906	28.7689	-7.89	52.17
1664	Shell-Thick	SLE-RARA	1.2601	12.1447	-5.32	25.78
1664	Shell-Thick	SLE-RARA	2.2526	15.9906	-4.37	25.78
1664	Shell-Thick	SLE-RARA	3.0272	15.7524	-4.37	24.83
1664	Shell-Thick	SLE-RARA	1.9413	12.0006	-5.32	24.83
1664	Shell-Thick	SLE-FREQ.	1.0800	10.8266	-5.13	23.62
1664	Shell-Thick	SLE-FREQ.	1.9844	14.3505	-4.22	23.62
1664	Shell-Thick	SLE-FREQ.	2.7312	14.1411	-4.22	22.72
1664	Shell-Thick	SLE-FREQ.	1.7370	10.7076	-5.13	22.72
1664	Shell-Thick	SLE-QP	0.5397	6.8725	-4.53	17.15
1664	Shell-Thick	SLE-QP	1.1800	9.4304	-3.78	17.15
1664	Shell-Thick	SLE-QP	1.8429	9.3072	-3.78	16.40
1664	Shell-Thick	SLE-QP	1.1241	6.8284	-4.53	16.40
1665	Shell-Thick	SLU-STATICA	1.8618	16.4876	-7.57	33.98
1665	Shell-Thick	SLU-STATICA	3.0699	21.5292	-6.21	33.98
1665	Shell-Thick	SLU-STATICA	4.1460	21.0349	-6.21	32.62
1665	Shell-Thick	SLU-STATICA	2.8530	16.0792	-7.57	32.62
1665	Shell-Thick	SLU-SISMICA	3.6597	28.6121	-8.50	52.19
1665	Shell-Thick	SLU-SISMICA	5.5718	36.3594	-6.79	52.19
1665	Shell-Thick	SLU-SISMICA	6.7587	35.4660	-6.79	50.49
1665	Shell-Thick	SLU-SISMICA	4.7680	27.7986	-8.50	50.49
1665	Shell-Thick	SLE-RARA	1.3212	11.8892	-5.69	24.84
1665	Shell-Thick	SLE-RARA	2.2015	15.5746	-4.67	24.84
1665	Shell-Thick	SLE-RARA	3.0114	15.2199	-4.67	23.82
1665	Shell-Thick	SLE-RARA	2.0664	11.5999	-5.69	23.82
1665	Shell-Thick	SLE-FREQ.	1.1409	10.5997	-5.47	22.73
1665	Shell-Thick	SLE-FREQ.	1.9416	13.9719	-4.51	22.73
1665	Shell-Thick	SLE-FREQ.	2.7225	13.6587	-4.51	21.77
1665	Shell-Thick	SLE-FREQ.	1.8581	10.3508	-5.47	21.77
1665	Shell-Thick	SLE-QP	0.5999	6.7310	-4.82	16.40
1665	Shell-Thick	SLE-QP	1.1620	9.1635	-4.02	16.40
1665	Shell-Thick	SLE-QP	1.8556	8.9750	-4.02	15.60
1665	Shell-Thick	SLE-QP	1.2332	6.6034	-4.82	15.60
1666	Shell-Thick	SLU-STATICA	1.8796	15.9248	-8.00	32.66
1666	Shell-Thick	SLU-STATICA	3.0725	20.7799	-6.55	32.66
1666	Shell-Thick	SLU-STATICA	4.2256	20.4147	-6.55	31.21
1666	Shell-Thick	SLU-STATICA	2.9113	15.6821	-8.00	31.21
1666	Shell-Thick	SLU-SISMICA	3.6078	27.6327	-9.10	50.56
1666	Shell-Thick	SLU-SISMICA	5.5297	35.1540	-7.26	50.56
1666	Shell-Thick	SLU-SISMICA	6.8274	34.4582	-7.26	48.71
1666	Shell-Thick	SLU-SISMICA	4.7662	27.0776	-9.10	48.71
1666	Shell-Thick	SLE-RARA	1.3382	11.4835	-6.01	23.85

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1666	Shell-Thick	SLE-RARA	2.2057	15.0296	-4.93	23.85
1666	Shell-Thick	SLE-RARA	3.0723	14.7693	-4.93	22.78
1666	Shell-Thick	SLE-RARA	2.1136	11.3151	-6.01	22.78
1666	Shell-Thick	SLE-FREQ.	1.1631	10.2382	-5.77	21.79
1666	Shell-Thick	SLE-FREQ.	1.9494	13.4777	-4.75	21.79
1666	Shell-Thick	SLE-FREQ.	2.7827	13.2510	-4.75	20.78
1666	Shell-Thick	SLE-FREQ.	1.9090	10.0996	-5.77	20.78
1666	Shell-Thick	SLE-QP	0.6381	6.5023	-5.05	15.62
1666	Shell-Thick	SLE-QP	1.1805	8.8222	-4.21	15.62
1666	Shell-Thick	SLE-QP	1.9140	8.6962	-4.21	14.78
1666	Shell-Thick	SLE-QP	1.2954	6.4532	-5.05	14.78
1667	Shell-Thick	SLU-STATICA	2.0024	15.5321	-8.30	31.24
1667	Shell-Thick	SLU-STATICA	3.0441	20.1465	-6.79	31.24
1667	Shell-Thick	SLU-STATICA	4.2144	19.5475	-6.79	29.73
1667	Shell-Thick	SLU-STATICA	3.0977	15.0093	-8.30	29.73
1667	Shell-Thick	SLU-SISMICA	3.7238	26.9201	-9.56	48.76
1667	Shell-Thick	SLU-SISMICA	5.4277	34.1274	-7.61	48.76
1667	Shell-Thick	SLU-SISMICA	6.7492	33.0408	-7.61	46.81
1667	Shell-Thick	SLU-SISMICA	4.9790	25.9013	-9.56	46.81
1667	Shell-Thick	SLE-RARA	1.4316	11.2019	-6.23	22.80
1667	Shell-Thick	SLE-RARA	2.1878	14.5692	-5.11	22.80
1667	Shell-Thick	SLE-RARA	3.0671	14.1396	-5.11	21.68
1667	Shell-Thick	SLE-RARA	2.2535	10.8304	-6.23	21.68
1667	Shell-Thick	SLE-FREQ.	1.2548	9.9898	-5.97	20.80
1667	Shell-Thick	SLE-FREQ.	1.9380	13.0610	-4.91	20.80
1667	Shell-Thick	SLE-FREQ.	2.7832	12.6820	-4.91	19.74
1667	Shell-Thick	SLE-FREQ.	2.0433	9.6682	-5.97	19.74
1667	Shell-Thick	SLE-QP	0.7245	6.3536	-5.20	14.79
1667	Shell-Thick	SLE-QP	1.1885	8.5365	-4.33	14.79
1667	Shell-Thick	SLE-QP	1.9314	8.3094	-4.33	13.92
1667	Shell-Thick	SLE-QP	1.4128	6.1818	-5.20	13.92
1668	Shell-Thick	SLU-STATICA	2.0904	14.8585	-8.57	29.78
1668	Shell-Thick	SLU-STATICA	3.0609	19.2660	-6.99	29.78
1668	Shell-Thick	SLU-STATICA	4.2841	18.8416	-6.99	28.19
1668	Shell-Thick	SLU-STATICA	3.2031	14.5459	-8.57	28.19
1668	Shell-Thick	SLU-SISMICA	3.7785	25.7425	-10.03	46.89
1668	Shell-Thick	SLU-SISMICA	5.3981	32.6893	-7.94	46.89
1668	Shell-Thick	SLU-SISMICA	6.8102	31.8832	-7.94	44.80
1668	Shell-Thick	SLU-SISMICA	5.0641	25.0644	-10.03	44.80
1668	Shell-Thick	SLE-RARA	1.4999	10.7166	-6.42	21.71
1668	Shell-Thick	SLE-RARA	2.2029	13.9298	-5.25	21.71
1668	Shell-Thick	SLE-RARA	3.1204	13.6272	-5.25	20.53
1668	Shell-Thick	SLE-RARA	2.3343	10.4979	-6.42	20.53
1668	Shell-Thick	SLE-FREQ.	1.3242	9.5579	-6.15	19.77
1668	Shell-Thick	SLE-FREQ.	1.9565	12.4832	-5.04	19.77
1668	Shell-Thick	SLE-FREQ.	2.8358	12.2194	-5.04	18.66
1668	Shell-Thick	SLE-FREQ.	2.1238	9.3747	-6.15	18.66
1668	Shell-Thick	SLE-QP	0.7970	6.0818	-5.31	13.95
1668	Shell-Thick	SLE-QP	1.2173	8.1434	-4.42	13.95
1668	Shell-Thick	SLE-QP	1.9822	7.9961	-4.42	13.05
1668	Shell-Thick	SLE-QP	1.4923	6.0049	-5.31	13.05
1669	Shell-Thick	SLU-STATICA	2.2429	14.4046	-8.68	28.24
1669	Shell-Thick	SLU-STATICA	3.0949	18.5530	-7.06	28.24
1669	Shell-Thick	SLU-STATICA	4.3056	17.8121	-7.06	26.62
1669	Shell-Thick	SLU-STATICA	3.3946	13.7240	-8.68	26.62
1669	Shell-Thick	SLU-SISMICA	3.9395	24.9198	-10.29	44.89
1669	Shell-Thick	SLU-SISMICA	5.3923	31.5193	-8.12	44.89
1669	Shell-Thick	SLU-SISMICA	6.7975	30.1981	-8.12	42.72
1669	Shell-Thick	SLU-SISMICA	5.2987	23.6461	-10.29	42.72
1669	Shell-Thick	SLE-RARA	1.6150	10.3910	-6.50	20.57
1669	Shell-Thick	SLE-RARA	2.2306	13.4123	-5.29	20.57
1669	Shell-Thick	SLE-RARA	3.1384	12.8798	-5.29	19.37
1669	Shell-Thick	SLE-RARA	2.4773	9.9048	-6.50	19.37
1669	Shell-Thick	SLE-FREQ.	1.4357	9.2707	-6.21	18.70
1669	Shell-Thick	SLE-FREQ.	1.9868	12.0160	-5.07	18.70
1669	Shell-Thick	SLE-FREQ.	2.8562	11.5443	-5.07	17.57
1669	Shell-Thick	SLE-FREQ.	2.2598	8.8452	-6.21	17.57
1669	Shell-Thick	SLE-QP	0.8980	5.9096	-5.33	13.07
1669	Shell-Thick	SLE-QP	1.2554	7.8271	-4.42	13.07

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1669	Shell-Thick	SLE-QP	2.0097	7.5379	-4.42	12.17
1669	Shell-Thick	SLE-QP	1.6071	5.6663	-5.33	12.17
1670	Shell-Thick	SLU-STATICA	2.4344	13.5885	-8.76	26.68
1670	Shell-Thick	SLU-STATICA	3.0918	17.5128	-7.06	26.68
1670	Shell-Thick	SLU-STATICA	4.3255	16.9992	-7.06	24.98
1670	Shell-Thick	SLU-STATICA	3.5759	13.1682	-8.76	24.98
1670	Shell-Thick	SLU-SISMICA	4.1647	23.5084	-10.57	42.81
1670	Shell-Thick	SLU-SISMICA	5.3274	29.8150	-8.26	42.81
1670	Shell-Thick	SLU-SISMICA	6.7918	28.8681	-8.26	40.50
1670	Shell-Thick	SLU-SISMICA	5.5258	22.6665	-10.57	40.50
1670	Shell-Thick	SLE-RARA	1.7584	9.8023	-6.55	19.41
1670	Shell-Thick	SLE-RARA	2.2314	12.6572	-5.29	19.41
1670	Shell-Thick	SLE-RARA	3.1547	12.2896	-5.29	18.15
1670	Shell-Thick	SLE-RARA	2.6125	9.5048	-6.55	18.15
1670	Shell-Thick	SLE-FREQ.	1.5728	8.7453	-6.24	17.61
1670	Shell-Thick	SLE-FREQ.	1.9927	11.3341	-5.06	17.61
1670	Shell-Thick	SLE-FREQ.	2.8743	11.0111	-5.06	16.43
1670	Shell-Thick	SLE-FREQ.	2.3878	8.4899	-6.24	16.43
1670	Shell-Thick	SLE-QP	1.0162	5.5746	-5.31	12.19
1670	Shell-Thick	SLE-QP	1.2765	7.3648	-4.38	12.19
1670	Shell-Thick	SLE-QP	2.0329	7.1759	-4.38	11.26
1670	Shell-Thick	SLE-QP	1.7138	5.4451	-5.31	11.26
1671	Shell-Thick	SLU-STATICA	2.5494	13.0391	-8.60	25.06
1671	Shell-Thick	SLU-STATICA	3.1837	16.6946	-6.89	25.06
1671	Shell-Thick	SLU-STATICA	4.3663	15.8413	-6.89	23.36
1671	Shell-Thick	SLU-STATICA	3.6921	12.2271	-8.60	23.36
1671	Shell-Thick	SLU-SISMICA	4.2717	22.5355	-10.51	40.64
1671	Shell-Thick	SLU-SISMICA	5.4170	28.4733	-8.17	40.64
1671	Shell-Thick	SLU-SISMICA	6.8303	26.9837	-8.17	38.30
1671	Shell-Thick	SLU-SISMICA	5.6623	21.0704	-10.51	38.30
1671	Shell-Thick	SLE-RARA	1.8460	9.4071	-6.42	18.22
1671	Shell-Thick	SLE-RARA	2.3011	12.0633	-5.16	18.22
1671	Shell-Thick	SLE-RARA	3.1858	11.4484	-5.16	16.96
1671	Shell-Thick	SLE-RARA	2.6995	8.8243	-6.42	16.96
1671	Shell-Thick	SLE-FREQ.	1.6589	8.3947	-6.10	16.49
1671	Shell-Thick	SLE-FREQ.	2.0608	10.7979	-4.93	16.49
1671	Shell-Thick	SLE-FREQ.	2.9047	10.2504	-4.93	15.31
1671	Shell-Thick	SLE-FREQ.	2.4710	7.8800	-6.10	15.31
1671	Shell-Thick	SLE-QP	1.0978	5.3576	-5.16	11.30
1671	Shell-Thick	SLE-QP	1.3400	7.0016	-4.23	11.30
1671	Shell-Thick	SLE-QP	2.0616	6.6565	-4.23	10.37
1671	Shell-Thick	SLE-QP	1.7856	5.0470	-5.16	10.37
1672	Shell-Thick	SLU-STATICA	2.8069	12.1077	-8.32	23.42
1672	Shell-Thick	SLU-STATICA	3.0964	15.5296	-6.60	23.42
1672	Shell-Thick	SLU-STATICA	4.2509	14.9294	-6.60	21.70
1672	Shell-Thick	SLU-STATICA	3.8925	11.5776	-8.32	21.70
1672	Shell-Thick	SLU-SISMICA	4.6188	20.9503	-10.35	38.40
1672	Shell-Thick	SLU-SISMICA	5.2223	26.5734	-7.95	38.40
1672	Shell-Thick	SLU-SISMICA	6.6334	25.5082	-7.95	36.01
1672	Shell-Thick	SLU-SISMICA	5.9560	19.9608	-10.35	36.01
1672	Shell-Thick	SLE-RARA	2.0366	8.7339	-6.21	17.00
1672	Shell-Thick	SLE-RARA	2.2403	11.2172	-4.93	17.00
1672	Shell-Thick	SLE-RARA	3.1024	10.7855	-4.93	15.73
1672	Shell-Thick	SLE-RARA	2.8467	8.3551	-6.21	15.73
1672	Shell-Thick	SLE-FREQ.	1.8375	7.7919	-5.89	15.35
1672	Shell-Thick	SLE-FREQ.	2.0104	10.0330	-4.70	15.35
1672	Shell-Thick	SLE-FREQ.	2.8301	9.6502	-4.70	14.16
1672	Shell-Thick	SLE-FREQ.	2.6069	7.4602	-5.89	14.16
1672	Shell-Thick	SLE-QP	1.2401	4.9657	-4.93	10.40
1672	Shell-Thick	SLE-QP	1.3205	6.4805	-4.00	10.40
1672	Shell-Thick	SLE-QP	2.0132	6.2442	-4.00	9.47
1672	Shell-Thick	SLE-QP	1.8876	4.7753	-4.93	9.47
1673	Shell-Thick	SLU-STATICA	2.8168	11.4601	-7.74	21.81
1673	Shell-Thick	SLU-STATICA	3.2804	14.6377	-6.12	21.81
1673	Shell-Thick	SLU-STATICA	4.1888	13.9028	-6.12	20.41
1673	Shell-Thick	SLU-STATICA	3.6978	10.7434	-7.74	20.41
1673	Shell-Thick	SLU-SISMICA	4.5544	19.8333	-9.77	36.18
1673	Shell-Thick	SLU-SISMICA	5.4544	25.1196	-7.51	36.18
1673	Shell-Thick	SLU-SISMICA	6.5704	23.8611	-7.51	34.24

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1673	Shell-Thick	SLU-SISMICA	5.6682	18.5773	-9.77	34.24
1673	Shell-Thick	SLE-RARA	2.0478	8.2666	-5.77	15.81
1673	Shell-Thick	SLE-RARA	2.3774	10.5693	-4.57	15.81
1673	Shell-Thick	SLE-RARA	3.0553	10.0385	-4.57	14.78
1673	Shell-Thick	SLE-RARA	2.7038	7.7504	-5.77	14.78
1673	Shell-Thick	SLE-FREQ.	1.8545	7.3746	-5.46	14.24
1673	Shell-Thick	SLE-FREQ.	2.1401	9.4472	-4.34	14.24
1673	Shell-Thick	SLE-FREQ.	2.7843	8.9727	-4.34	13.28
1673	Shell-Thick	SLE-FREQ.	2.4752	6.9155	-5.46	13.28
1673	Shell-Thick	SLE-QP	1.2747	4.6988	-4.53	9.52
1673	Shell-Thick	SLE-QP	1.4282	6.0812	-3.66	9.52
1673	Shell-Thick	SLE-QP	1.9711	5.7750	-3.66	8.78
1673	Shell-Thick	SLE-QP	1.7894	4.4108	-4.53	8.78
1674	Shell-Thick	SLU-STATICA	2.8782	10.6324	-7.00	20.47
1674	Shell-Thick	SLU-STATICA	2.9381	13.5998	-5.43	20.47
1674	Shell-Thick	SLU-STATICA	4.0205	12.8180	-5.43	18.67
1674	Shell-Thick	SLU-STATICA	3.9236	9.9072	-7.00	18.67
1674	Shell-Thick	SLU-SISMICA	4.6827	18.4587	-9.01	34.33
1674	Shell-Thick	SLU-SISMICA	4.9263	23.4538	-6.81	34.33
1674	Shell-Thick	SLU-SISMICA	6.2990	22.1242	-6.81	31.83
1674	Shell-Thick	SLU-SISMICA	6.0197	17.1846	-9.01	31.83
1674	Shell-Thick	SLE-RARA	2.0910	7.6666	-5.21	14.82
1674	Shell-Thick	SLE-RARA	2.1273	9.8142	-4.04	14.82
1674	Shell-Thick	SLE-RARA	2.9330	9.2491	-4.04	13.49
1674	Shell-Thick	SLE-RARA	2.8686	7.1444	-5.21	13.49
1674	Shell-Thick	SLE-FREQ.	1.8911	6.8344	-4.91	13.32
1674	Shell-Thick	SLE-FREQ.	1.9114	8.7624	-3.83	13.32
1674	Shell-Thick	SLE-FREQ.	2.6734	8.2562	-3.83	12.08
1674	Shell-Thick	SLE-FREQ.	2.6257	6.3702	-4.91	12.08
1674	Shell-Thick	SLE-QP	1.2916	4.3378	-4.03	8.80
1674	Shell-Thick	SLE-QP	1.2639	5.6070	-3.19	8.80
1674	Shell-Thick	SLE-QP	1.8947	5.2777	-3.19	7.84
1674	Shell-Thick	SLE-QP	1.8967	4.0475	-4.03	7.84
1675	Shell-Thick	SLU-STATICA	2.7475	9.7804	-6.06	18.80
1675	Shell-Thick	SLU-STATICA	3.0170	12.5089	-4.70	18.80
1675	Shell-Thick	SLU-STATICA	3.8324	11.7901	-4.70	17.44
1675	Shell-Thick	SLU-STATICA	3.5472	9.0784	-6.06	17.44
1675	Shell-Thick	SLU-SISMICA	4.4513	17.0385	-7.91	32.02
1675	Shell-Thick	SLU-SISMICA	5.0381	21.7043	-6.02	32.02
1675	Shell-Thick	SLU-SISMICA	6.0837	20.5029	-6.02	30.13
1675	Shell-Thick	SLU-SISMICA	5.4970	15.8384	-7.91	30.13
1675	Shell-Thick	SLE-RARA	1.9970	7.0493	-4.50	13.58
1675	Shell-Thick	SLE-RARA	2.1854	9.0203	-3.50	13.58
1675	Shell-Thick	SLE-RARA	2.7918	8.4997	-3.50	12.58
1675	Shell-Thick	SLE-RARA	2.5907	6.5422	-4.50	12.58
1675	Shell-Thick	SLE-FREQ.	1.8077	6.2791	-4.24	12.16
1675	Shell-Thick	SLE-FREQ.	1.9654	8.0422	-3.30	12.16
1675	Shell-Thick	SLE-FREQ.	2.5380	7.5741	-3.30	11.23
1675	Shell-Thick	SLE-FREQ.	2.3666	5.8254	-4.24	11.23
1675	Shell-Thick	SLE-QP	1.2399	3.9682	-3.45	7.90
1675	Shell-Thick	SLE-QP	1.3055	5.1079	-2.72	7.90
1675	Shell-Thick	SLE-QP	1.7764	4.7973	-2.72	7.17
1675	Shell-Thick	SLE-QP	1.6942	3.6748	-3.45	7.17
1676	Shell-Thick	SLU-STATICA	2.8263	8.9770	-5.20	17.49
1676	Shell-Thick	SLU-STATICA	2.7594	11.5327	-4.06	17.49
1676	Shell-Thick	SLU-STATICA	3.4701	10.8496	-4.06	16.34
1676	Shell-Thick	SLU-STATICA	3.5054	8.3264	-5.20	16.34
1676	Shell-Thick	SLU-SISMICA	4.6051	15.7220	-6.85	30.20
1676	Shell-Thick	SLU-SISMICA	4.6433	20.1528	-5.27	30.20
1676	Shell-Thick	SLU-SISMICA	5.5671	19.0258	-5.27	28.62
1676	Shell-Thick	SLU-SISMICA	5.4995	14.6256	-6.85	28.62
1676	Shell-Thick	SLE-RARA	2.0530	6.4661	-3.86	12.62
1676	Shell-Thick	SLE-RARA	1.9970	8.3093	-3.01	12.62
1676	Shell-Thick	SLE-RARA	2.5250	7.8138	-3.01	11.77
1676	Shell-Thick	SLE-RARA	2.5568	5.9954	-3.86	11.77
1676	Shell-Thick	SLE-FREQ.	1.8562	5.7524	-3.63	11.26
1676	Shell-Thick	SLE-FREQ.	1.7930	7.3960	-2.84	11.26
1676	Shell-Thick	SLE-FREQ.	2.2904	6.9492	-2.84	10.47
1676	Shell-Thick	SLE-FREQ.	2.3299	5.3299	-3.63	10.47



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1676	Shell-Thick	SLE-QP	1.2658	3.6112	-2.94	7.19
1676	Shell-Thick	SLE-QP	1.1808	4.6562	-2.32	7.19
1676	Shell-Thick	SLE-QP	1.5867	4.3554	-2.32	6.58
1676	Shell-Thick	SLE-QP	1.6491	3.3333	-2.94	6.58
1677	Shell-Thick	SLU-STATICA	2.6084	8.2238	-4.42	16.43
1677	Shell-Thick	SLU-STATICA	2.7316	10.6251	-3.45	16.43
1677	Shell-Thick	SLU-STATICA	3.3291	10.0421	-3.45	15.47
1677	Shell-Thick	SLU-STATICA	3.1928	7.6546	-4.42	15.47
1677	Shell-Thick	SLU-SISMICA	4.2842	14.5005	-5.85	28.76
1677	Shell-Thick	SLU-SISMICA	4.6270	18.7199	-4.52	28.76
1677	Shell-Thick	SLU-SISMICA	5.4065	17.7674	-4.52	27.43
1677	Shell-Thick	SLU-SISMICA	5.0614	13.5514	-5.85	27.43
1677	Shell-Thick	SLE-RARA	1.8930	5.9187	-3.28	11.84
1677	Shell-Thick	SLE-RARA	1.9754	7.6477	-2.56	11.84
1677	Shell-Thick	SLE-RARA	2.4191	7.2244	-2.56	11.12
1677	Shell-Thick	SLE-RARA	2.3262	5.5064	-3.28	11.12
1677	Shell-Thick	SLE-FREQ.	1.7086	5.2570	-3.08	10.53
1677	Shell-Thick	SLE-FREQ.	1.7709	6.7939	-2.41	10.53
1677	Shell-Thick	SLE-FREQ.	2.1887	6.4114	-2.41	9.87
1677	Shell-Thick	SLE-FREQ.	2.1153	4.8860	-3.08	9.87
1677	Shell-Thick	SLE-QP	1.1554	3.2717	-2.48	6.62
1677	Shell-Thick	SLE-QP	1.1575	4.2325	-1.96	6.62
1677	Shell-Thick	SLE-QP	1.4976	3.9723	-1.96	6.09
1677	Shell-Thick	SLE-QP	1.4825	3.0248	-2.48	6.09
1678	Shell-Thick	SLU-STATICA	2.5837	7.5649	-3.69	15.50
1678	Shell-Thick	SLU-STATICA	2.5091	9.8459	-2.91	15.50
1678	Shell-Thick	SLU-STATICA	3.0165	9.2594	-2.91	14.73
1678	Shell-Thick	SLU-STATICA	3.0677	7.0023	-3.69	14.73
1678	Shell-Thick	SLU-SISMICA	4.2771	13.4410	-4.90	27.48
1678	Shell-Thick	SLU-SISMICA	4.2948	17.4987	-3.83	27.48
1678	Shell-Thick	SLU-SISMICA	4.9610	16.5494	-3.83	26.42
1678	Shell-Thick	SLU-SISMICA	4.9214	12.5145	-4.90	26.42
1678	Shell-Thick	SLE-RARA	1.8734	5.4395	-2.74	11.15
1678	Shell-Thick	SLE-RARA	1.8123	7.0794	-2.16	11.15
1678	Shell-Thick	SLE-RARA	2.1888	6.6530	-2.16	10.58
1678	Shell-Thick	SLE-RARA	2.2322	5.0313	-2.74	10.58
1678	Shell-Thick	SLE-FREQ.	1.6881	4.8224	-2.57	9.89
1678	Shell-Thick	SLE-FREQ.	1.6209	6.2759	-2.03	9.89
1678	Shell-Thick	SLE-FREQ.	1.9751	5.8899	-2.03	9.35
1678	Shell-Thick	SLE-FREQ.	2.0248	4.4543	-2.57	9.35
1678	Shell-Thick	SLE-QP	1.1320	2.9714	-2.07	6.11
1678	Shell-Thick	SLE-QP	1.0466	3.8655	-1.65	6.11
1678	Shell-Thick	SLE-QP	1.3337	3.6005	-1.65	5.69
1678	Shell-Thick	SLE-QP	1.4027	2.7231	-2.07	5.69
1679	Shell-Thick	SLU-STATICA	2.3827	6.9161	-3.09	14.78
1679	Shell-Thick	SLU-STATICA	2.4377	9.0929	-2.44	14.78
1679	Shell-Thick	SLU-STATICA	2.8585	8.6380	-2.44	14.13
1679	Shell-Thick	SLU-STATICA	2.7913	6.4738	-3.09	14.13
1679	Shell-Thick	SLU-SISMICA	3.9809	12.4039	-4.11	26.51
1679	Shell-Thick	SLU-SISMICA	4.2047	16.3206	-3.22	26.51
1679	Shell-Thick	SLU-SISMICA	4.7577	15.5907	-3.22	25.62
1679	Shell-Thick	SLU-SISMICA	4.5276	11.6808	-4.11	25.62
1679	Shell-Thick	SLE-RARA	1.7258	4.9671	-2.29	10.62
1679	Shell-Thick	SLE-RARA	1.7591	6.5300	-1.81	10.62
1679	Shell-Thick	SLE-RARA	2.0713	6.1990	-1.81	10.14
1679	Shell-Thick	SLE-RARA	2.0286	4.6460	-2.29	10.14
1679	Shell-Thick	SLE-FREQ.	1.5519	4.3937	-2.15	9.39
1679	Shell-Thick	SLE-FREQ.	1.5705	5.7750	-1.70	9.39
1679	Shell-Thick	SLE-FREQ.	1.8642	5.4748	-1.70	8.94
1679	Shell-Thick	SLE-FREQ.	1.8358	4.1036	-2.15	8.94
1679	Shell-Thick	SLE-QP	1.0303	2.6733	-1.73	5.71
1679	Shell-Thick	SLE-QP	1.0047	3.5100	-1.37	5.71
1679	Shell-Thick	SLE-QP	1.2427	3.3021	-1.37	5.36
1679	Shell-Thick	SLE-QP	1.2577	2.4762	-1.73	5.36
1680	Shell-Thick	SLU-STATICA	2.2797	6.3958	-2.55	14.16
1680	Shell-Thick	SLU-STATICA	2.2485	8.4917	-2.02	14.16
1680	Shell-Thick	SLU-STATICA	2.6014	8.0354	-2.02	13.63
1680	Shell-Thick	SLU-STATICA	2.6138	5.9586	-2.55	13.63
1680	Shell-Thick	SLU-SISMICA	3.8396	11.5787	-3.39	25.66



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1680	Shell-Thick	SLU-SISMICA	3.9204	15.3877	-2.68	25.66
1680	Shell-Thick	SLU-SISMICA	4.3858	14.6575	-2.68	24.95
1680	Shell-Thick	SLU-SISMICA	4.2858	10.8682	-3.39	24.95
1680	Shell-Thick	SLE-RARA	1.6497	4.5881	-1.89	10.16
1680	Shell-Thick	SLE-RARA	1.6205	6.0909	-1.50	10.16
1680	Shell-Thick	SLE-RARA	1.8822	5.7588	-1.50	9.77
1680	Shell-Thick	SLE-RARA	1.8973	4.2705	-1.89	9.77
1680	Shell-Thick	SLE-FREQ.	1.4808	4.0491	-1.78	8.96
1680	Shell-Thick	SLE-FREQ.	1.4431	5.3740	-1.41	8.96
1680	Shell-Thick	SLE-FREQ.	1.6892	5.0726	-1.41	8.60
1680	Shell-Thick	SLE-FREQ.	1.7131	3.7617	-1.78	8.60
1680	Shell-Thick	SLE-QP	0.9742	2.4319	-1.43	5.37
1680	Shell-Thick	SLE-QP	0.9111	3.2233	-1.14	5.37
1680	Shell-Thick	SLE-QP	1.1100	3.0140	-1.14	5.08
1680	Shell-Thick	SLE-QP	1.1606	2.2354	-1.43	5.08
1681	Shell-Thick	SLU-STATICA	2.0835	5.8859	-2.11	13.67
1681	Shell-Thick	SLU-STATICA	2.1473	7.9113	-1.68	13.67
1681	Shell-Thick	SLU-STATICA	2.4376	7.5609	-1.68	13.23
1681	Shell-Thick	SLU-STATICA	2.3623	5.5473	-2.11	13.23
1681	Shell-Thick	SLU-SISMICA	3.5433	10.7704	-2.82	25.01
1681	Shell-Thick	SLU-SISMICA	3.7742	14.4845	-2.22	25.01
1681	Shell-Thick	SLU-SISMICA	4.1568	13.9280	-2.22	24.41
1681	Shell-Thick	SLU-SISMICA	3.9166	10.2236	-2.82	24.41
1681	Shell-Thick	SLE-RARA	1.5060	4.2166	-1.57	9.79
1681	Shell-Thick	SLE-RARA	1.5461	5.6672	-1.24	9.79
1681	Shell-Thick	SLE-RARA	1.7614	5.4119	-1.24	9.47
1681	Shell-Thick	SLE-RARA	1.7125	3.9704	-1.57	9.47
1681	Shell-Thick	SLE-FREQ.	1.3489	3.7112	-1.47	8.62
1681	Shell-Thick	SLE-FREQ.	1.3743	4.9873	-1.17	8.62
1681	Shell-Thick	SLE-FREQ.	1.5767	4.7552	-1.17	8.32
1681	Shell-Thick	SLE-FREQ.	1.5426	3.4882	-1.47	8.32
1681	Shell-Thick	SLE-QP	0.8776	2.1951	-1.18	5.10
1681	Shell-Thick	SLE-QP	0.8588	2.9475	-0.94	5.10
1681	Shell-Thick	SLE-QP	1.0226	2.7852	-0.94	4.86
1681	Shell-Thick	SLE-QP	1.0327	2.0417	-1.18	4.86
1682	Shell-Thick	SLU-STATICA	1.9462	5.4816	-1.73	13.25
1682	Shell-Thick	SLU-STATICA	1.9814	7.4521	-1.38	13.25
1682	Shell-Thick	SLU-STATICA	2.2226	7.1015	-1.38	12.89
1682	Shell-Thick	SLU-STATICA	2.1716	5.1471	-1.73	12.89
1682	Shell-Thick	SLU-SISMICA	3.3375	10.1334	-2.31	24.44
1682	Shell-Thick	SLU-SISMICA	3.5202	13.7750	-1.82	24.44
1682	Shell-Thick	SLU-SISMICA	3.8390	13.2165	-1.82	23.95
1682	Shell-Thick	SLU-SISMICA	3.6382	9.5934	-2.31	23.95
1682	Shell-Thick	SLE-RARA	1.4054	3.9218	-1.29	9.48
1682	Shell-Thick	SLE-RARA	1.4247	5.3318	-1.02	9.48
1682	Shell-Thick	SLE-RARA	1.6037	5.0764	-1.02	9.22
1682	Shell-Thick	SLE-RARA	1.5725	3.6786	-1.29	9.22
1682	Shell-Thick	SLE-FREQ.	1.2564	3.4429	-1.21	8.33
1682	Shell-Thick	SLE-FREQ.	1.2631	4.6807	-0.96	8.33
1682	Shell-Thick	SLE-FREQ.	1.4313	4.4487	-0.96	8.08
1682	Shell-Thick	SLE-FREQ.	1.4132	3.2225	-1.21	8.08
1682	Shell-Thick	SLE-QP	0.8094	2.0059	-0.97	4.87
1682	Shell-Thick	SLE-QP	0.7783	2.7274	-0.77	4.87
1682	Shell-Thick	SLE-QP	0.9142	2.5656	-0.77	4.67
1682	Shell-Thick	SLE-QP	0.9353	1.8542	-0.97	4.67
1683	Shell-Thick	SLU-STATICA	1.7626	5.0866	-1.42	12.92
1683	Shell-Thick	SLU-STATICA	1.8666	7.0090	-1.13	12.92
1683	Shell-Thick	SLU-STATICA	2.0634	6.7405	-1.13	12.62
1683	Shell-Thick	SLU-STATICA	1.9485	4.8292	-1.42	12.62
1683	Shell-Thick	SLU-SISMICA	3.0535	9.5087	-1.89	23.99
1683	Shell-Thick	SLU-SISMICA	3.3443	13.0854	-1.49	23.99
1683	Shell-Thick	SLU-SISMICA	3.6039	12.6606	-1.49	23.58
1683	Shell-Thick	SLU-SISMICA	3.3018	9.0956	-1.89	23.58
1683	Shell-Thick	SLE-RARA	1.2712	3.6340	-1.06	9.24
1683	Shell-Thick	SLE-RARA	1.3408	5.0082	-0.83	9.24
1683	Shell-Thick	SLE-RARA	1.4868	4.8126	-0.83	9.02
1683	Shell-Thick	SLE-RARA	1.4090	3.4467	-1.06	9.02
1683	Shell-Thick	SLE-FREQ.	1.1338	3.1810	-0.99	8.10
1683	Shell-Thick	SLE-FREQ.	1.1863	4.3854	-0.78	8.10

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1683	Shell-Thick	SLE-FREQ.	1.3235	4.2074	-0.78	7.89
1683	Shell-Thick	SLE-FREQ.	1.2631	3.0111	-0.99	7.89
1683	Shell-Thick	SLE-QP	0.7215	1.8219	-0.80	4.69
1683	Shell-Thick	SLE-QP	0.7228	2.5168	-0.63	4.69
1683	Shell-Thick	SLE-QP	0.8337	2.3918	-0.63	4.52
1683	Shell-Thick	SLE-QP	0.8252	1.7044	-0.80	4.52
1684	Shell-Thick	SLU-STATICA	1.6118	4.7741	-1.15	12.63
1684	Shell-Thick	SLU-STATICA	1.7200	6.6596	-0.91	12.63
1684	Shell-Thick	SLU-STATICA	1.8821	6.3903	-0.91	12.39
1684	Shell-Thick	SLU-STATICA	1.7597	4.5193	-1.15	12.39
1684	Shell-Thick	SLU-SISMICA	2.8173	9.0167	-1.53	23.60
1684	Shell-Thick	SLU-SISMICA	3.1154	12.5448	-1.20	23.60
1684	Shell-Thick	SLU-SISMICA	3.3296	12.1150	-1.20	23.27
1684	Shell-Thick	SLU-SISMICA	3.0132	8.6055	-1.53	23.27
1684	Shell-Thick	SLE-RARA	1.1613	3.4062	-0.86	9.03
1684	Shell-Thick	SLE-RARA	1.2338	4.7530	-0.68	9.03
1684	Shell-Thick	SLE-RARA	1.3540	4.5570	-0.68	8.85
1684	Shell-Thick	SLE-RARA	1.2709	3.2208	-0.86	8.85
1684	Shell-Thick	SLE-FREQ.	1.0336	2.9735	-0.80	7.90
1684	Shell-Thick	SLE-FREQ.	1.0887	4.1522	-0.64	7.90
1684	Shell-Thick	SLE-FREQ.	1.2017	3.9741	-0.64	7.73
1684	Shell-Thick	SLE-FREQ.	1.1365	2.8056	-0.80	7.73
1684	Shell-Thick	SLE-QP	0.6505	1.6756	-0.65	4.53
1684	Shell-Thick	SLE-QP	0.6535	2.3496	-0.51	4.53
1684	Shell-Thick	SLE-QP	0.7447	2.2257	-0.51	4.40
1684	Shell-Thick	SLE-QP	0.7335	1.5599	-0.65	4.40
1685	Shell-Thick	SLU-STATICA	1.4384	4.4678	-0.93	12.40
1685	Shell-Thick	SLU-STATICA	1.5959	6.3203	-0.73	12.40
1685	Shell-Thick	SLU-STATICA	1.7264	6.1210	-0.73	12.20
1685	Shell-Thick	SLU-STATICA	1.5583	4.2792	-0.93	12.20
1685	Shell-Thick	SLU-SISMICA	2.5416	8.5301	-1.24	23.30
1685	Shell-Thick	SLU-SISMICA	2.9168	12.0136	-0.97	23.30
1685	Shell-Thick	SLU-SISMICA	3.0888	11.6981	-0.97	23.02
1685	Shell-Thick	SLU-SISMICA	2.7005	8.2280	-1.24	23.02
1685	Shell-Thick	SLE-RARA	1.0349	3.1830	-0.69	8.86
1685	Shell-Thick	SLE-RARA	1.1435	4.5055	-0.54	8.86
1685	Shell-Thick	SLE-RARA	1.2403	4.3602	-0.54	8.71
1685	Shell-Thick	SLE-RARA	1.1239	3.0458	-0.69	8.71
1685	Shell-Thick	SLE-FREQ.	0.9188	2.7707	-0.65	7.74
1685	Shell-Thick	SLE-FREQ.	1.0068	3.9265	-0.51	7.74
1685	Shell-Thick	SLE-FREQ.	1.0978	3.7944	-0.51	7.60
1685	Shell-Thick	SLE-FREQ.	1.0023	2.6461	-0.65	7.60
1685	Shell-Thick	SLE-QP	0.5702	1.5337	-0.52	4.40
1685	Shell-Thick	SLE-QP	0.5965	2.1896	-0.41	4.40
1685	Shell-Thick	SLE-QP	0.6701	2.0969	-0.41	4.29
1685	Shell-Thick	SLE-QP	0.6376	1.4473	-0.52	4.29
1686	Shell-Thick	SLU-STATICA	1.2732	4.2304	-0.74	12.21
1686	Shell-Thick	SLU-STATICA	1.4570	6.0588	-0.58	12.21
1686	Shell-Thick	SLU-STATICA	1.5630	5.8563	-0.58	12.05
1686	Shell-Thick	SLU-STATICA	1.3654	4.0418	-0.74	12.05
1686	Shell-Thick	SLU-SISMICA	2.2720	8.1547	-0.98	23.04
1686	Shell-Thick	SLU-SISMICA	2.6930	11.6065	-0.76	23.04
1686	Shell-Thick	SLU-SISMICA	2.8332	11.2808	-0.76	22.82
1686	Shell-Thick	SLU-SISMICA	2.3926	7.8488	-0.98	22.82
1686	Shell-Thick	SLE-RARA	0.9150	3.0100	-0.55	8.71
1686	Shell-Thick	SLE-RARA	1.0425	4.3146	-0.43	8.71
1686	Shell-Thick	SLE-RARA	1.1211	4.1673	-0.43	8.60
1686	Shell-Thick	SLE-RARA	0.9834	2.8730	-0.55	8.60
1686	Shell-Thick	SLE-FREQ.	0.8103	2.6133	-0.52	7.61
1686	Shell-Thick	SLE-FREQ.	0.9152	3.7523	-0.41	7.61
1686	Shell-Thick	SLE-FREQ.	0.9890	3.6187	-0.41	7.50
1686	Shell-Thick	SLE-FREQ.	0.8748	2.4893	-0.52	7.50
1686	Shell-Thick	SLE-QP	0.4964	1.4232	-0.42	4.30
1686	Shell-Thick	SLE-QP	0.5334	2.0654	-0.33	4.30
1686	Shell-Thick	SLE-QP	0.5930	1.9731	-0.33	4.21
1686	Shell-Thick	SLE-QP	0.5488	1.3382	-0.42	4.21
1687	Shell-Thick	SLU-STATICA	1.0906	3.9932	-0.58	12.06
1687	Shell-Thick	SLU-STATICA	1.3091	5.7992	-0.46	12.06
1687	Shell-Thick	SLU-STATICA	1.3924	5.6742	-0.46	11.93

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1687	Shell-Thick	SLU-STATICA	1.1634	3.8788	-0.58	11.93
1687	Shell-Thick	SLU-SISMICA	1.9707	7.7732	-0.77	22.83
1687	Shell-Thick	SLU-SISMICA	2.4452	11.1944	-0.59	22.83
1687	Shell-Thick	SLU-SISMICA	2.5551	10.9987	-0.59	22.65
1687	Shell-Thick	SLU-SISMICA	2.0657	7.5925	-0.77	22.65
1687	Shell-Thick	SLE-RARA	0.7826	2.8375	-0.43	8.60
1687	Shell-Thick	SLE-RARA	0.9354	4.1255	-0.34	8.60
1687	Shell-Thick	SLE-RARA	0.9972	4.0343	-0.34	8.51
1687	Shell-Thick	SLE-RARA	0.8366	2.7541	-0.43	8.51
1687	Shell-Thick	SLE-FREQ.	0.6910	2.4569	-0.41	7.50
1687	Shell-Thick	SLE-FREQ.	0.8190	3.5804	-0.32	7.50
1687	Shell-Thick	SLE-FREQ.	0.8770	3.4972	-0.32	7.41
1687	Shell-Thick	SLE-FREQ.	0.7418	2.3810	-0.41	7.41
1687	Shell-Thick	SLE-QP	0.4161	1.3151	-0.33	4.21
1687	Shell-Thick	SLE-QP	0.4697	1.9451	-0.26	4.21
1687	Shell-Thick	SLE-QP	0.5166	1.8861	-0.26	4.14
1687	Shell-Thick	SLE-QP	0.4575	1.2617	-0.33	4.14
1688	Shell-Thick	SLU-STATICA	0.8910	3.8288	-0.44	11.93
1688	Shell-Thick	SLU-STATICA	1.1432	5.6199	-0.34	11.93
1688	Shell-Thick	SLU-STATICA	1.2089	5.4932	-0.34	11.84
1688	Shell-Thick	SLU-STATICA	0.9430	3.7159	-0.44	11.84
1688	Shell-Thick	SLU-SISMICA	1.6307	7.5119	-0.58	22.66
1688	Shell-Thick	SLU-SISMICA	2.1633	10.9140	-0.44	22.66
1688	Shell-Thick	SLU-SISMICA	2.2508	10.7110	-0.44	22.52
1688	Shell-Thick	SLU-SISMICA	1.6969	7.3303	-0.58	22.52
1688	Shell-Thick	SLE-RARA	0.6383	2.7177	-0.33	8.51
1688	Shell-Thick	SLE-RARA	0.8154	3.9947	-0.25	8.51
1688	Shell-Thick	SLE-RARA	0.8642	3.9025	-0.25	8.44
1688	Shell-Thick	SLE-RARA	0.6770	2.6356	-0.33	8.44
1688	Shell-Thick	SLE-FREQ.	0.5618	2.3480	-0.31	7.42
1688	Shell-Thick	SLE-FREQ.	0.7115	3.4611	-0.24	7.42
1688	Shell-Thick	SLE-FREQ.	0.7572	3.3774	-0.24	7.35
1688	Shell-Thick	SLE-FREQ.	0.5983	2.2736	-0.31	7.35
1688	Shell-Thick	SLE-QP	0.3322	1.2389	-0.25	4.14
1688	Shell-Thick	SLE-QP	0.3996	1.8604	-0.20	4.14
1688	Shell-Thick	SLE-QP	0.4364	1.8024	-0.20	4.09
1688	Shell-Thick	SLE-QP	0.3624	1.1875	-0.25	4.09
1689	Shell-Thick	SLU-STATICA	0.6617	3.6597	-0.33	11.83
1689	Shell-Thick	SLU-STATICA	0.9249	5.4363	-0.26	11.83
1689	Shell-Thick	SLU-STATICA	0.9736	5.4356	-0.26	11.77
1689	Shell-Thick	SLU-STATICA	0.7005	3.6691	-0.33	11.77
1689	Shell-Thick	SLU-SISMICA	1.2340	7.2362	-0.43	22.52
1689	Shell-Thick	SLU-SISMICA	1.7774	10.6179	-0.34	22.52
1689	Shell-Thick	SLU-SISMICA	1.8423	10.6355	-0.34	22.43
1689	Shell-Thick	SLU-SISMICA	1.2837	7.2692	-0.43	22.43
1689	Shell-Thick	SLE-RARA	0.4729	2.5949	-0.24	8.44
1689	Shell-Thick	SLE-RARA	0.6583	3.8612	-0.19	8.44
1689	Shell-Thick	SLE-RARA	0.6945	3.8597	-0.19	8.38
1689	Shell-Thick	SLE-RARA	0.5017	2.6008	-0.24	8.38
1689	Shell-Thick	SLE-FREQ.	0.4142	2.2370	-0.23	7.35
1689	Shell-Thick	SLE-FREQ.	0.5721	3.3401	-0.18	7.35
1689	Shell-Thick	SLE-FREQ.	0.6060	3.3372	-0.18	7.30
1689	Shell-Thick	SLE-FREQ.	0.4414	2.2408	-0.23	7.30
1689	Shell-Thick	SLE-QP	0.2381	1.1633	-0.18	4.09
1689	Shell-Thick	SLE-QP	0.3132	1.7770	-0.15	4.09
1689	Shell-Thick	SLE-QP	0.3404	1.7697	-0.15	4.05
1689	Shell-Thick	SLE-QP	0.2605	1.1609	-0.18	4.05
1690	Shell-Thick	SLU-STATICA	0.4306	3.6089	-0.21	11.76
1690	Shell-Thick	SLU-STATICA	0.6447	5.3759	-0.16	11.76
1690	Shell-Thick	SLU-STATICA	0.6786	5.3708	-0.16	11.70
1690	Shell-Thick	SLU-STATICA	0.4524	3.6159	-0.21	11.70
1690	Shell-Thick	SLU-SISMICA	0.8234	7.1649	-0.28	22.41
1690	Shell-Thick	SLU-SISMICA	1.2708	10.5334	-0.20	22.41
1690	Shell-Thick	SLU-SISMICA	1.3160	10.5431	-0.20	22.33
1690	Shell-Thick	SLU-SISMICA	0.8493	7.1939	-0.28	22.33
1690	Shell-Thick	SLE-RARA	0.3067	2.5575	-0.16	8.38
1690	Shell-Thick	SLE-RARA	0.4573	3.8166	-0.12	8.38
1690	Shell-Thick	SLE-RARA	0.4824	3.8119	-0.12	8.34
1690	Shell-Thick	SLE-RARA	0.3230	2.5616	-0.16	8.34

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1690	Shell-Thick	SLE-FREQ.	0.2668	2.2022	-0.15	7.30
1690	Shell-Thick	SLE-FREQ.	0.3946	3.2986	-0.11	7.30
1690	Shell-Thick	SLE-FREQ.	0.4181	3.2929	-0.11	7.26
1690	Shell-Thick	SLE-FREQ.	0.2824	2.2044	-0.15	7.26
1690	Shell-Thick	SLE-QP	0.1473	1.1363	-0.12	4.05
1690	Shell-Thick	SLE-QP	0.2064	1.7448	-9.231E-02	4.05
1690	Shell-Thick	SLE-QP	0.2253	1.7357	-9.231E-02	4.02
1690	Shell-Thick	SLE-QP	0.1607	1.1328	-0.12	4.02
1691	Shell-Thick	SLU-STATICA	0.1809	3.5561	-0.12	11.69
1691	Shell-Thick	SLU-STATICA	0.3619	5.3129	-9.103E-02	11.69
1691	Shell-Thick	SLU-STATICA	0.3815	5.4264	-9.103E-02	11.66
1691	Shell-Thick	SLU-STATICA	0.1933	3.6768	-0.12	11.66
1691	Shell-Thick	SLU-SISMICA	0.3686	7.0862	-0.16	22.32
1691	Shell-Thick	SLU-SISMICA	0.7374	10.4390	-0.12	22.32
1691	Shell-Thick	SLU-SISMICA	0.7633	10.6659	-0.12	22.28
1691	Shell-Thick	SLU-SISMICA	0.3837	7.3239	-0.16	22.28
1691	Shell-Thick	SLE-RARA	0.1277	2.5187	-9.068E-02	8.33
1691	Shell-Thick	SLE-RARA	0.2555	3.7704	-6.777E-02	8.33
1691	Shell-Thick	SLE-RARA	0.2700	3.8508	-6.777E-02	8.31
1691	Shell-Thick	SLE-RARA	0.1370	2.6043	-9.068E-02	8.31
1691	Shell-Thick	SLE-FREQ.	0.1091	2.1665	-8.548E-02	7.25
1691	Shell-Thick	SLE-FREQ.	0.2183	3.2562	-6.410E-02	7.25
1691	Shell-Thick	SLE-FREQ.	0.2320	3.3252	-6.410E-02	7.23
1691	Shell-Thick	SLE-FREQ.	0.1179	2.2404	-8.548E-02	7.23
1691	Shell-Thick	SLE-QP	0.0534	1.1098	-6.986E-02	4.02
1691	Shell-Thick	SLE-QP	0.1069	1.7135	-5.310E-02	4.02
1691	Shell-Thick	SLE-QP	0.1179	1.7486	-5.310E-02	4.00
1691	Shell-Thick	SLE-QP	0.0609	1.1485	-6.986E-02	4.00
1692	Shell-Thick	SLU-STATICA	0.0663	3.6314	-3.590E-02	11.64
1692	Shell-Thick	SLU-STATICA	0.0489	5.3799	-1.959E-02	11.64
1692	Shell-Thick	SLU-STATICA	0.0560	5.4226	-1.959E-02	11.62
1692	Shell-Thick	SLU-STATICA	0.0669	3.6790	-3.590E-02	11.62
1692	Shell-Thick	SLU-SISMICA	0.1378	7.2370	-4.543E-02	22.23
1692	Shell-Thick	SLU-SISMICA	0.1236	10.5758	-1.965E-02	22.23
1692	Shell-Thick	SLU-SISMICA	0.1326	10.6846	-1.965E-02	22.21
1692	Shell-Thick	SLU-SISMICA	0.1376	7.3528	-4.543E-02	22.21
1692	Shell-Thick	SLE-RARA	0.0467	2.5720	-2.673E-02	8.29
1692	Shell-Thick	SLE-RARA	0.0334	3.8177	-1.484E-02	8.29
1692	Shell-Thick	SLE-RARA	0.0386	3.8468	-1.484E-02	8.28
1692	Shell-Thick	SLE-RARA	0.0471	2.6047	-2.673E-02	8.28
1692	Shell-Thick	SLE-FREQ.	0.0397	2.2123	-2.529E-02	7.22
1692	Shell-Thick	SLE-FREQ.	0.0264	3.2965	-1.447E-02	7.22
1692	Shell-Thick	SLE-FREQ.	0.0313	3.3195	-1.447E-02	7.21
1692	Shell-Thick	SLE-FREQ.	0.0402	2.2386	-2.529E-02	7.21
1692	Shell-Thick	SLE-QP	0.0186	1.1331	-2.096E-02	3.99
1692	Shell-Thick	SLE-QP	0.0055	1.7331	-1.336E-02	3.99
1692	Shell-Thick	SLE-QP	0.0096	1.7376	-1.336E-02	3.99
1692	Shell-Thick	SLE-QP	0.0192	1.1401	-2.096E-02	3.99
1693	Shell-Thick	SLU-STATICA	15.6381	2.2374	57.10	-1.05
1693	Shell-Thick	SLU-STATICA	11.0325	3.0967	47.56	-1.05
1693	Shell-Thick	SLU-STATICA	3.4807	1.1983	47.56	8.49
1693	Shell-Thick	SLU-STATICA	7.4769	0.9412	57.10	8.49
1693	Shell-Thick	SLU-SISMICA	18.0194	2.4535	66.62	-1.36
1693	Shell-Thick	SLU-SISMICA	12.2279	3.5960	54.51	-1.36
1693	Shell-Thick	SLU-SISMICA	3.5787	1.4092	54.51	10.75
1693	Shell-Thick	SLU-SISMICA	8.4848	1.1430	66.62	10.75
1693	Shell-Thick	SLE-RARA	11.7309	1.6846	42.80	-0.78
1693	Shell-Thick	SLE-RARA	8.3002	2.3216	35.69	-0.78
1693	Shell-Thick	SLE-RARA	2.6326	0.8975	35.69	6.32
1693	Shell-Thick	SLE-RARA	5.6153	0.7031	42.80	6.32
1693	Shell-Thick	SLE-FREQ.	11.2460	1.6253	40.96	-0.74
1693	Shell-Thick	SLE-FREQ.	7.9973	2.2234	34.24	-0.74
1693	Shell-Thick	SLE-FREQ.	2.5596	0.8580	34.24	5.98
1693	Shell-Thick	SLE-FREQ.	5.3940	0.6692	40.96	5.98
1693	Shell-Thick	SLE-QP	9.7912	1.4474	35.45	-0.60
1693	Shell-Thick	SLE-QP	7.0887	1.9286	29.89	-0.60
1693	Shell-Thick	SLE-QP	2.3407	0.7397	29.89	4.95
1693	Shell-Thick	SLE-QP	4.7302	0.5674	35.45	4.95
1694	Shell-Thick	SLU-STATICA	12.7355	1.0668	47.16	7.37

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1694	Shell-Thick	SLU-STATICA	9.0939	3.2470	37.92	7.37
1694	Shell-Thick	SLU-STATICA	3.0911	3.3442	37.92	16.61
1694	Shell-Thick	SLU-STATICA	5.9656	1.9241	47.16	16.61
1694	Shell-Thick	SLU-SISMICA	16.4800	1.4533	56.21	9.18
1694	Shell-Thick	SLU-SISMICA	11.4594	4.2740	44.55	9.18
1694	Shell-Thick	SLU-SISMICA	4.4678	5.0640	44.55	20.84
1694	Shell-Thick	SLU-SISMICA	8.3462	3.3767	56.21	20.84
1694	Shell-Thick	SLE-RARA	9.4635	0.7891	35.29	5.49
1694	Shell-Thick	SLE-RARA	6.7729	2.4092	28.40	5.49
1694	Shell-Thick	SLE-RARA	2.2737	2.4483	28.40	12.38
1694	Shell-Thick	SLE-RARA	4.4017	1.3856	35.29	12.38
1694	Shell-Thick	SLE-FREQ.	8.9225	0.7379	33.67	5.21
1694	Shell-Thick	SLE-FREQ.	6.4115	2.2654	27.16	5.21
1694	Shell-Thick	SLE-FREQ.	2.1045	2.2466	27.16	11.72
1694	Shell-Thick	SLE-FREQ.	4.0976	1.2321	33.67	11.72
1694	Shell-Thick	SLE-QP	7.2993	0.5842	28.83	4.36
1694	Shell-Thick	SLE-QP	5.3274	1.8340	23.42	4.36
1694	Shell-Thick	SLE-QP	1.5969	1.6415	23.42	9.77
1694	Shell-Thick	SLE-QP	3.1851	0.7715	28.83	9.77
1695	Shell-Thick	SLU-STATICA	9.7489	1.8806	38.88	15.65
1695	Shell-Thick	SLU-STATICA	7.6870	5.0636	30.41	15.65
1695	Shell-Thick	SLU-STATICA	2.6869	4.7851	30.41	24.12
1695	Shell-Thick	SLU-STATICA	4.3458	1.9987	38.88	24.12
1695	Shell-Thick	SLU-SISMICA	13.8319	3.3728	47.45	19.51
1695	Shell-Thick	SLU-SISMICA	10.6954	7.4105	36.69	19.51
1695	Shell-Thick	SLU-SISMICA	4.6856	7.5423	36.69	30.26
1695	Shell-Thick	SLU-SISMICA	7.2106	4.1080	47.45	30.26
1695	Shell-Thick	SLE-RARA	7.1836	1.3506	29.04	11.66
1695	Shell-Thick	SLE-RARA	5.6748	3.7199	22.73	11.66
1695	Shell-Thick	SLE-RARA	1.9364	3.4885	22.73	17.97
1695	Shell-Thick	SLE-RARA	3.1503	1.4094	29.04	17.97
1695	Shell-Thick	SLE-FREQ.	6.6710	1.1947	27.62	11.06
1695	Shell-Thick	SLE-FREQ.	5.2877	3.4354	21.66	11.06
1695	Shell-Thick	SLE-FREQ.	1.7244	3.1759	21.66	17.02
1695	Shell-Thick	SLE-FREQ.	2.8371	1.2013	27.62	17.02
1695	Shell-Thick	SLE-QP	5.1330	0.7269	23.36	9.24
1695	Shell-Thick	SLE-QP	4.1262	2.5816	18.43	9.24
1695	Shell-Thick	SLE-QP	1.0884	2.2380	18.43	14.18
1695	Shell-Thick	SLE-QP	1.8978	0.5770	23.36	14.18
1696	Shell-Thick	SLU-STATICA	7.5428	1.8857	31.38	23.21
1696	Shell-Thick	SLU-STATICA	5.9059	6.1813	24.20	23.21
1696	Shell-Thick	SLU-STATICA	2.0081	7.8277	24.20	30.39
1696	Shell-Thick	SLU-STATICA	3.0961	4.0756	31.38	30.39
1696	Shell-Thick	SLU-SISMICA	11.6649	3.9580	39.13	29.01
1696	Shell-Thick	SLU-SISMICA	8.8566	9.4174	29.94	29.01
1696	Shell-Thick	SLU-SISMICA	4.0898	12.3194	29.94	38.20
1696	Shell-Thick	SLU-SISMICA	6.0615	7.6898	39.13	38.20
1696	Shell-Thick	SLE-RARA	5.5101	1.3256	23.39	17.30
1696	Shell-Thick	SLE-RARA	4.3281	4.5226	18.05	17.30
1696	Shell-Thick	SLE-RARA	1.4179	5.7076	18.05	22.64
1696	Shell-Thick	SLE-RARA	2.1983	2.9082	23.39	22.64
1696	Shell-Thick	SLE-FREQ.	5.0354	1.1226	22.18	16.40
1696	Shell-Thick	SLE-FREQ.	3.9789	4.1451	17.14	16.40
1696	Shell-Thick	SLE-FREQ.	1.2118	5.1977	17.14	21.44
1696	Shell-Thick	SLE-FREQ.	1.9004	2.5395	22.18	21.44
1696	Shell-Thick	SLE-QP	3.6116	0.5136	18.54	13.69
1696	Shell-Thick	SLE-QP	2.9313	3.0127	14.38	13.69
1696	Shell-Thick	SLE-QP	0.5937	3.6681	14.38	17.84
1696	Shell-Thick	SLE-QP	1.0067	1.4333	18.54	17.84
1697	Shell-Thick	SLU-STATICA	4.7137	3.9085	25.27	29.80
1697	Shell-Thick	SLU-STATICA	5.1086	8.9385	19.25	29.80
1697	Shell-Thick	SLU-STATICA	1.8730	9.9855	19.25	35.83
1697	Shell-Thick	SLU-STATICA	1.2659	5.1632	25.27	35.83
1697	Shell-Thick	SLU-SISMICA	8.1010	7.4305	32.34	37.38
1697	Shell-Thick	SLU-SISMICA	8.1400	13.7967	24.49	37.38
1697	Shell-Thick	SLU-SISMICA	4.0417	15.7015	24.49	45.23
1697	Shell-Thick	SLU-SISMICA	3.6672	9.6649	32.34	45.23
1697	Shell-Thick	SLE-RARA	3.4030	2.7861	18.80	22.20
1697	Shell-Thick	SLE-RARA	3.7200	6.5310	14.32	22.20

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1697	Shell-Thick	SLE-RARA	1.3112	7.2816	14.32	26.68
1697	Shell-Thick	SLE-RARA	0.8396	3.6880	18.80	26.68
1697	Shell-Thick	SLE-FREQ.	3.0407	2.4280	17.75	21.03
1697	Shell-Thick	SLE-FREQ.	3.3791	5.9707	13.54	21.03
1697	Shell-Thick	SLE-FREQ.	1.1006	6.6323	13.54	25.25
1697	Shell-Thick	SLE-FREQ.	0.6215	3.2271	17.75	25.25
1697	Shell-Thick	SLE-QP	1.9539	1.3536	14.62	17.52
1697	Shell-Thick	SLE-QP	2.3566	4.2898	11.18	17.52
1697	Shell-Thick	SLE-QP	0.4689	4.6844	11.18	20.96
1697	Shell-Thick	SLE-QP	-0.0326	1.8445	14.62	20.96
1698	Shell-Thick	SLU-STATICA	3.3520	5.0508	19.74	35.20
1698	Shell-Thick	SLU-STATICA	3.6337	10.8672	14.92	35.20
1698	Shell-Thick	SLU-STATICA	1.2054	13.0071	14.92	40.01
1698	Shell-Thick	SLU-STATICA	0.5780	7.5327	19.74	40.01
1698	Shell-Thick	SLU-SISMICA	6.4172	9.4724	26.00	44.34
1698	Shell-Thick	SLU-SISMICA	6.1911	16.8738	19.61	44.34
1698	Shell-Thick	SLU-SISMICA	3.0346	20.3197	19.61	50.74
1698	Shell-Thick	SLU-SISMICA	2.7273	13.4470	26.00	50.74
1698	Shell-Thick	SLE-RARA	2.3872	3.6069	14.64	26.21
1698	Shell-Thick	SLE-RARA	2.6260	7.9353	11.07	26.21
1698	Shell-Thick	SLE-RARA	0.8223	9.4916	11.07	29.79
1698	Shell-Thick	SLE-RARA	0.3309	5.4132	14.64	29.79
1698	Shell-Thick	SLE-FREQ.	2.0765	3.1546	13.77	24.82
1698	Shell-Thick	SLE-FREQ.	2.3511	7.2460	10.41	24.82
1698	Shell-Thick	SLE-FREQ.	0.6517	8.6566	10.41	28.17
1698	Shell-Thick	SLE-FREQ.	0.1461	4.7937	13.77	28.17
1698	Shell-Thick	SLE-QP	1.1442	1.7976	11.14	20.62
1698	Shell-Thick	SLE-QP	1.5263	5.1781	8.44	20.62
1698	Shell-Thick	SLE-QP	0.1399	6.1516	8.44	23.32
1698	Shell-Thick	SLE-QP	-0.4083	2.9351	11.14	23.32
1699	Shell-Thick	SLU-STATICA	1.3275	7.4315	15.30	39.71
1699	Shell-Thick	SLU-STATICA	3.4843	13.7140	11.43	39.71
1699	Shell-Thick	SLU-STATICA	1.5100	15.2628	11.43	43.58
1699	Shell-Thick	SLU-STATICA	-0.7116	9.0422	15.30	43.58
1699	Shell-Thick	SLU-SISMICA	3.5356	13.2673	20.92	50.32
1699	Shell-Thick	SLU-SISMICA	6.0803	21.2701	15.64	50.32
1699	Shell-Thick	SLU-SISMICA	3.3900	23.7623	15.64	55.60
1699	Shell-Thick	SLU-SISMICA	0.7366	15.8643	20.92	55.60
1699	Shell-Thick	SLE-RARA	0.8959	5.3403	11.31	29.56
1699	Shell-Thick	SLE-RARA	2.5108	10.0151	8.45	29.56
1699	Shell-Thick	SLE-RARA	1.0505	11.1417	8.45	32.42
1699	Shell-Thick	SLE-RARA	-0.6113	6.5118	11.31	32.42
1699	Shell-Thick	SLE-FREQ.	0.6923	4.7291	10.57	27.96
1699	Shell-Thick	SLE-FREQ.	2.2356	9.1472	7.90	27.96
1699	Shell-Thick	SLE-FREQ.	0.8701	10.1685	7.90	30.63
1699	Shell-Thick	SLE-FREQ.	-0.7153	5.7905	10.57	30.63
1699	Shell-Thick	SLE-QP	0.0817	2.8953	8.35	23.16
1699	Shell-Thick	SLE-QP	1.4098	6.5435	6.24	23.16
1699	Shell-Thick	SLE-QP	0.3289	7.2489	6.24	25.27
1699	Shell-Thick	SLE-QP	-1.0271	3.6269	8.35	25.27
1700	Shell-Thick	SLU-STATICA	1.0167	9.0298	11.47	43.15
1700	Shell-Thick	SLU-STATICA	2.5405	15.8270	8.47	43.15
1700	Shell-Thick	SLU-STATICA	1.1379	17.8724	8.47	46.16
1700	Shell-Thick	SLU-STATICA	-0.5744	11.2616	11.47	46.16
1700	Shell-Thick	SLU-SISMICA	3.0865	15.8210	16.43	54.99
1700	Shell-Thick	SLU-SISMICA	4.6976	24.5371	12.18	54.99
1700	Shell-Thick	SLU-SISMICA	2.6938	27.7187	12.18	59.24
1700	Shell-Thick	SLU-SISMICA	0.7955	19.2866	16.43	59.24
1700	Shell-Thick	SLE-RARA	0.6673	6.5039	8.45	32.11
1700	Shell-Thick	SLE-RARA	1.8175	11.5587	6.23	32.11
1700	Shell-Thick	SLE-RARA	0.7847	13.0520	6.23	34.33
1700	Shell-Thick	SLE-RARA	-0.5035	8.1335	8.45	34.33
1700	Shell-Thick	SLE-FREQ.	0.4807	5.7854	7.83	30.34
1700	Shell-Thick	SLE-FREQ.	1.5954	10.5579	5.77	30.34
1700	Shell-Thick	SLE-FREQ.	0.6375	11.9210	5.77	32.40
1700	Shell-Thick	SLE-FREQ.	-0.6037	7.2734	7.83	32.40
1700	Shell-Thick	SLE-QP	-0.0790	3.6300	5.99	25.05
1700	Shell-Thick	SLE-QP	0.9292	7.5555	4.40	25.05
1700	Shell-Thick	SLE-QP	0.1959	8.5280	4.40	26.64

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1700	Shell-Thick	SLE-QP	-0.9042	4.6933	5.99	26.64
1701	Shell-Thick	SLU-STATICA	-0.0521	11.2633	8.43	46.03
1701	Shell-Thick	SLU-STATICA	2.9281	18.3332	6.11	46.03
1701	Shell-Thick	SLU-STATICA	1.8223	19.9682	6.11	48.35
1701	Shell-Thick	SLU-STATICA	-1.1295	12.8682	8.43	48.35
1701	Shell-Thick	SLU-SISMICA	1.4322	19.2723	12.84	59.06
1701	Shell-Thick	SLU-SISMICA	5.2569	28.3729	9.41	59.06
1701	Shell-Thick	SLU-SISMICA	3.5639	30.9081	9.41	62.49
1701	Shell-Thick	SLU-SISMICA	-0.2159	21.7599	12.84	62.49
1701	Shell-Thick	SLE-RARA	-0.1134	8.1356	6.17	34.23
1701	Shell-Thick	SLE-RARA	2.1027	13.3915	4.47	34.23
1701	Shell-Thick	SLE-RARA	1.2941	14.5856	4.47	35.93
1701	Shell-Thick	SLE-RARA	-0.9014	9.3077	6.17	35.93
1701	Shell-Thick	SLE-FREQ.	-0.2326	7.2768	5.65	32.32
1701	Shell-Thick	SLE-FREQ.	1.8595	12.2363	4.09	32.32
1701	Shell-Thick	SLE-FREQ.	1.1191	13.3269	4.09	33.89
1701	Shell-Thick	SLE-FREQ.	-0.9543	8.3475	5.65	33.89
1701	Shell-Thick	SLE-QP	-0.5902	4.7005	4.11	26.57
1701	Shell-Thick	SLE-QP	1.1298	8.7705	2.94	26.57
1701	Shell-Thick	SLE-QP	0.5940	9.5509	2.94	27.74
1701	Shell-Thick	SLE-QP	-1.1128	5.4668	4.11	27.74
1702	Shell-Thick	SLU-STATICA	0.3502	12.9357	5.86	48.09
1702	Shell-Thick	SLU-STATICA	2.4723	20.3266	4.13	48.09
1702	Shell-Thick	SLU-STATICA	1.7647	22.1317	4.13	49.82
1702	Shell-Thick	SLU-STATICA	-0.4419	14.8241	5.86	49.82
1702	Shell-Thick	SLU-SISMICA	1.9355	21.8538	9.75	62.10
1702	Shell-Thick	SLU-SISMICA	4.5335	31.4385	7.02	62.10
1702	Shell-Thick	SLU-SISMICA	3.3319	34.2067	7.02	64.83
1702	Shell-Thick	SLU-SISMICA	0.6181	24.7358	9.75	64.83
1702	Shell-Thick	SLE-RARA	0.1864	9.3576	4.25	35.74
1702	Shell-Thick	SLE-RARA	1.7706	14.8486	2.98	35.74
1702	Shell-Thick	SLE-RARA	1.2591	16.1684	2.98	37.00
1702	Shell-Thick	SLE-RARA	-0.3877	10.7389	4.25	37.00
1702	Shell-Thick	SLE-FREQ.	0.0515	8.3939	3.82	33.71
1702	Shell-Thick	SLE-FREQ.	1.5576	13.5693	2.67	33.71
1702	Shell-Thick	SLE-FREQ.	1.0993	14.7774	2.67	34.86
1702	Shell-Thick	SLE-FREQ.	-0.4652	9.6596	3.82	34.86
1702	Shell-Thick	SLE-QP	-0.3531	5.5031	2.55	27.61
1702	Shell-Thick	SLE-QP	0.9184	9.7314	1.74	27.61
1702	Shell-Thick	SLE-QP	0.6198	10.6044	1.74	28.42
1702	Shell-Thick	SLE-QP	-0.6979	6.4216	2.55	28.42
1703	Shell-Thick	SLU-STATICA	-0.0519	14.8879	3.81	49.81
1703	Shell-Thick	SLU-STATICA	3.1383	22.4206	2.57	49.81
1703	Shell-Thick	SLU-STATICA	2.6220	23.9742	2.57	51.05
1703	Shell-Thick	SLU-STATICA	-0.4933	16.3656	3.81	51.05
1703	Shell-Thick	SLU-SISMICA	1.2204	24.8344	7.26	64.81
1703	Shell-Thick	SLU-SISMICA	5.4747	34.6571	5.13	64.81
1703	Shell-Thick	SLU-SISMICA	4.4787	37.0403	5.13	66.94
1703	Shell-Thick	SLU-SISMICA	0.3554	27.0850	7.26	66.94
1703	Shell-Thick	SLE-RARA	-0.1028	10.7855	2.72	36.99
1703	Shell-Thick	SLE-RARA	2.2616	16.3792	1.82	36.99
1703	Shell-Thick	SLE-RARA	1.8943	17.5152	1.82	37.89
1703	Shell-Thick	SLE-RARA	-0.4160	11.8667	2.72	37.89
1703	Shell-Thick	SLE-FREQ.	-0.2048	9.7022	2.37	34.85
1703	Shell-Thick	SLE-FREQ.	2.0138	14.9698	1.56	34.85
1703	Shell-Thick	SLE-FREQ.	1.6950	16.0095	1.56	35.65
1703	Shell-Thick	SLE-FREQ.	-0.4755	10.6932	2.37	35.65
1703	Shell-Thick	SLE-QP	-0.5109	6.4521	1.31	28.41
1703	Shell-Thick	SLE-QP	1.2705	10.7414	0.79	28.41
1703	Shell-Thick	SLE-QP	1.0971	11.4926	0.79	28.93
1703	Shell-Thick	SLE-QP	-0.6540	7.1727	1.31	28.93
1704	Shell-Thick	SLU-STATICA	0.6655	16.4639	2.13	50.90
1704	Shell-Thick	SLU-STATICA	2.9956	24.1823	1.27	50.90
1704	Shell-Thick	SLU-STATICA	2.7530	25.7291	1.27	51.76
1704	Shell-Thick	SLU-STATICA	0.3972	18.0359	2.13	51.76
1704	Shell-Thick	SLU-SISMICA	2.1699	27.2450	5.18	66.71
1704	Shell-Thick	SLU-SISMICA	5.2072	37.3889	3.52	66.71
1704	Shell-Thick	SLU-SISMICA	4.5603	39.7584	3.52	68.36
1704	Shell-Thick	SLU-SISMICA	1.5108	29.6253	5.18	68.36



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1704	Shell-Thick	SLE-RARA	0.4293	11.9382	1.46	37.78
1704	Shell-Thick	SLE-RARA	2.1597	17.6659	0.85	37.78
1704	Shell-Thick	SLE-RARA	1.9960	18.7969	0.85	38.39
1704	Shell-Thick	SLE-RARA	0.2455	13.0890	1.46	38.39
1704	Shell-Thick	SLE-FREQ.	0.2951	10.7579	1.18	35.55
1704	Shell-Thick	SLE-FREQ.	1.9247	16.1449	0.65	35.55
1704	Shell-Thick	SLE-FREQ.	1.7983	17.1805	0.65	36.08
1704	Shell-Thick	SLE-FREQ.	0.1479	11.8139	1.18	36.08
1704	Shell-Thick	SLE-QP	-0.1076	7.2168	0.32	28.86
1704	Shell-Thick	SLE-QP	1.2196	11.5822	2.799E-02	28.86
1704	Shell-Thick	SLE-QP	1.2050	12.3313	2.799E-02	29.15
1704	Shell-Thick	SLE-QP	-0.1448	7.9884	0.32	29.15
1705	Shell-Thick	SLU-STATICA	0.6300	18.1172	0.80	51.80
1705	Shell-Thick	SLU-STATICA	3.7241	25.8886	0.28	51.80
1705	Shell-Thick	SLU-STATICA	3.5986	27.2642	0.28	52.32
1705	Shell-Thick	SLU-STATICA	0.5928	19.4041	0.80	52.32
1705	Shell-Thick	SLU-SISMICA	1.9981	29.7686	3.49	68.42
1705	Shell-Thick	SLU-SISMICA	6.2402	40.0486	2.27	68.42
1705	Shell-Thick	SLU-SISMICA	5.7253	42.1642	2.27	69.64
1705	Shell-Thick	SLU-SISMICA	1.6487	31.7179	3.49	69.64
1705	Shell-Thick	SLE-RARA	0.4092	13.1476	0.47	38.42
1705	Shell-Thick	SLE-RARA	2.6965	18.9113	0.11	38.42
1705	Shell-Thick	SLE-RARA	2.6209	19.9167	0.11	38.78
1705	Shell-Thick	SLE-RARA	0.3966	14.0897	0.47	38.78
1705	Shell-Thick	SLE-FREQ.	0.2867	11.8659	0.24	36.11
1705	Shell-Thick	SLE-FREQ.	2.4233	17.2813	-5.148E-02	36.11
1705	Shell-Thick	SLE-FREQ.	2.3815	18.2012	-5.148E-02	36.40
1705	Shell-Thick	SLE-FREQ.	0.3000	12.7304	0.24	36.40
1705	Shell-Thick	SLE-QP	-0.0809	8.0208	-0.46	29.17
1705	Shell-Thick	SLE-QP	1.6035	12.3914	-0.55	29.17
1705	Shell-Thick	SLE-QP	1.6633	13.0544	-0.55	29.26
1705	Shell-Thick	SLE-QP	0.0103	8.6523	-0.46	29.26
1706	Shell-Thick	SLU-STATICA	1.4116	19.4987	-0.24	52.24
1706	Shell-Thick	SLU-STATICA	3.7420	27.3620	-0.51	52.24
1706	Shell-Thick	SLU-STATICA	3.7974	28.6373	-0.51	52.51
1706	Shell-Thick	SLU-STATICA	1.4673	20.7736	-0.24	52.51
1706	Shell-Thick	SLU-SISMICA	3.0487	31.8882	2.12	69.52
1706	Shell-Thick	SLU-SISMICA	6.2172	42.3723	1.23	69.52
1706	Shell-Thick	SLU-SISMICA	5.9458	44.3426	1.23	70.42
1706	Shell-Thick	SLU-SISMICA	2.8167	33.8183	2.12	70.42
1706	Shell-Thick	SLE-RARA	0.9880	14.1576	-0.30	38.73
1706	Shell-Thick	SLE-RARA	2.7121	19.9854	-0.47	38.73
1706	Shell-Thick	SLE-RARA	2.7704	20.9170	-0.47	38.90
1706	Shell-Thick	SLE-RARA	1.0446	15.0910	-0.30	38.90
1706	Shell-Thick	SLE-FREQ.	0.8291	12.7904	-0.48	36.35
1706	Shell-Thick	SLE-FREQ.	2.4418	18.2590	-0.60	36.35
1706	Shell-Thick	SLE-FREQ.	2.5256	19.1106	-0.60	36.47
1706	Shell-Thick	SLE-FREQ.	0.9079	13.6469	-0.48	36.47
1706	Shell-Thick	SLE-QP	0.3524	8.6886	-1.04	29.23
1706	Shell-Thick	SLE-QP	1.6310	13.0801	-0.99	29.23
1706	Shell-Thick	SLE-QP	1.7910	13.6914	-0.99	29.18
1706	Shell-Thick	SLE-QP	0.4979	9.3145	-1.04	29.18
1707	Shell-Thick	SLU-STATICA	1.5440	20.8459	-1.01	52.58
1707	Shell-Thick	SLU-STATICA	4.4140	28.7036	-1.06	52.58
1707	Shell-Thick	SLU-STATICA	4.5294	29.8374	-1.06	52.63
1707	Shell-Thick	SLU-STATICA	1.7396	21.8994	-1.01	52.63
1707	Shell-Thick	SLU-SISMICA	3.1400	33.9612	1.05	70.52
1707	Shell-Thick	SLU-SISMICA	7.1717	44.5095	0.45	70.52
1707	Shell-Thick	SLU-SISMICA	6.9770	46.2754	0.45	71.11
1707	Shell-Thick	SLU-SISMICA	3.1097	35.5622	1.05	71.11
1707	Shell-Thick	SLE-RARA	1.0904	15.1423	-0.87	38.95
1707	Shell-Thick	SLE-RARA	3.2073	20.9623	-0.88	38.95
1707	Shell-Thick	SLE-RARA	3.3102	21.7899	-0.88	38.96
1707	Shell-Thick	SLE-RARA	1.2499	15.9133	-0.87	38.96
1707	Shell-Thick	SLE-FREQ.	0.9324	13.6911	-1.02	36.52
1707	Shell-Thick	SLE-FREQ.	2.9016	19.1465	-0.98	36.52
1707	Shell-Thick	SLE-FREQ.	3.0274	19.9018	-0.98	36.48
1707	Shell-Thick	SLE-FREQ.	1.1065	14.3981	-1.02	36.48
1707	Shell-Thick	SLE-QP	0.4582	9.3376	-1.46	29.21



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1707	Shell-Thick	SLE-QP	1.9844	13.6991	-1.29	29.21
1707	Shell-Thick	SLE-QP	2.1791	14.2373	-1.29	29.05
1707	Shell-Thick	SLE-QP	0.6762	9.8526	-1.46	29.05
1708	Shell-Thick	SLU-STATICA	2.2625	21.9737	-1.54	52.60
1708	Shell-Thick	SLU-STATICA	4.4963	29.8611	-1.44	52.60
1708	Shell-Thick	SLU-STATICA	4.7181	30.8479	-1.44	52.51
1708	Shell-Thick	SLU-STATICA	2.4888	22.9561	-1.54	52.51
1708	Shell-Thick	SLU-SISMICA	4.1126	35.7122	0.23	71.06
1708	Shell-Thick	SLU-SISMICA	7.2528	46.3811	-0.15	71.06
1708	Shell-Thick	SLU-SISMICA	7.2190	47.9363	-0.15	71.44
1708	Shell-Thick	SLU-SISMICA	4.1334	37.2126	0.23	71.44
1708	Shell-Thick	SLE-RARA	1.6222	15.9658	-1.26	38.94
1708	Shell-Thick	SLE-RARA	3.2697	21.8038	-1.16	38.94
1708	Shell-Thick	SLE-RARA	3.4505	22.5232	-1.16	38.84
1708	Shell-Thick	SLE-RARA	1.8039	16.6844	-1.26	38.84
1708	Shell-Thick	SLE-FREQ.	1.4302	14.4431	-1.37	36.46
1708	Shell-Thick	SLE-FREQ.	2.9625	19.9085	-1.24	36.46
1708	Shell-Thick	SLE-FREQ.	3.1599	20.5635	-1.24	36.33
1708	Shell-Thick	SLE-FREQ.	1.6243	15.1014	-1.37	36.33
1708	Shell-Thick	SLE-QP	0.8541	9.8750	-1.72	29.03
1708	Shell-Thick	SLE-QP	2.0411	14.2229	-1.47	29.03
1708	Shell-Thick	SLE-QP	2.2881	14.6845	-1.47	28.79
1708	Shell-Thick	SLE-QP	1.0854	10.3524	-1.72	28.79
1709	Shell-Thick	SLU-STATICA	2.4441	23.0083	-1.85	52.58
1709	Shell-Thick	SLU-STATICA	5.0587	30.8549	-1.63	52.58
1709	Shell-Thick	SLU-STATICA	5.2895	31.7066	-1.63	52.36
1709	Shell-Thick	SLU-STATICA	2.7350	23.8000	-1.85	52.36
1709	Shell-Thick	SLU-SISMICA	4.2998	37.3326	-0.35	71.55
1709	Shell-Thick	SLU-SISMICA	8.0528	48.0163	-0.53	71.55
1709	Shell-Thick	SLU-SISMICA	8.0485	49.3803	-0.53	71.73
1709	Shell-Thick	SLU-SISMICA	4.4368	38.5552	-0.35	71.73
1709	Shell-Thick	SLE-RARA	1.7595	16.7205	-1.48	38.90
1709	Shell-Thick	SLE-RARA	3.6840	22.5248	-1.29	38.90
1709	Shell-Thick	SLE-RARA	3.8706	23.1447	-1.29	38.71
1709	Shell-Thick	SLE-RARA	1.9876	17.2990	-1.48	38.71
1709	Shell-Thick	SLE-FREQ.	1.5636	15.1311	-1.56	36.38
1709	Shell-Thick	SLE-FREQ.	3.3471	20.5591	-1.35	36.38
1709	Shell-Thick	SLE-FREQ.	3.5484	21.1216	-1.35	36.16
1709	Shell-Thick	SLE-FREQ.	1.7988	15.6599	-1.56	36.16
1709	Shell-Thick	SLE-QP	0.9759	10.3627	-1.82	28.82
1709	Shell-Thick	SLE-QP	2.3364	14.6620	-1.52	28.82
1709	Shell-Thick	SLE-QP	2.5819	15.0523	-1.52	28.52
1709	Shell-Thick	SLE-QP	1.2322	10.7425	-1.82	28.52
1710	Shell-Thick	SLU-STATICA	3.0471	23.8487	-1.93	52.34
1710	Shell-Thick	SLU-STATICA	5.1359	31.6896	-1.65	52.34
1710	Shell-Thick	SLU-STATICA	5.3759	32.2977	-1.65	52.10
1710	Shell-Thick	SLU-STATICA	3.2779	24.4631	-1.93	52.10
1710	Shell-Thick	SLU-SISMICA	5.1120	38.6681	-0.69	71.71
1710	Shell-Thick	SLU-SISMICA	8.1278	49.4183	-0.75	71.71
1710	Shell-Thick	SLU-SISMICA	8.1977	50.4160	-0.75	71.76
1710	Shell-Thick	SLU-SISMICA	5.2316	39.6322	-0.69	71.76
1710	Shell-Thick	SLE-RARA	2.2061	17.3327	-1.52	38.70
1710	Shell-Thick	SLE-RARA	3.7426	23.1291	-1.29	38.70
1710	Shell-Thick	SLE-RARA	3.9329	23.5704	-1.29	38.49
1710	Shell-Thick	SLE-RARA	2.3865	17.7808	-1.52	38.49
1710	Shell-Thick	SLE-FREQ.	1.9820	15.6874	-1.59	36.15
1710	Shell-Thick	SLE-FREQ.	3.4045	21.1019	-1.33	36.15
1710	Shell-Thick	SLE-FREQ.	3.6041	21.5003	-1.33	35.93
1710	Shell-Thick	SLE-FREQ.	2.1671	16.0958	-1.59	35.93
1710	Shell-Thick	SLE-QP	1.3097	10.7517	-1.78	28.51
1710	Shell-Thick	SLE-QP	2.3900	15.0202	-1.46	28.51
1710	Shell-Thick	SLE-QP	2.6175	15.2899	-1.46	28.23
1710	Shell-Thick	SLE-QP	1.5089	11.0407	-1.78	28.23
1711	Shell-Thick	SLU-STATICA	3.1156	24.4867	-1.88	52.16
1711	Shell-Thick	SLU-STATICA	5.5841	32.2832	-1.55	52.16
1711	Shell-Thick	SLU-STATICA	5.7369	32.7097	-1.55	51.92
1711	Shell-Thick	SLU-STATICA	3.3384	24.8872	-1.88	51.92
1711	Shell-Thick	SLU-SISMICA	5.1581	39.7006	-0.86	71.86
1711	Shell-Thick	SLU-SISMICA	8.7690	50.4471	-0.82	71.86

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1711	Shell-Thick	SLU-SISMICA	8.7670	51.1629	-0.82	71.83
1711	Shell-Thick	SLU-SISMICA	5.3442	40.3463	-0.86	71.83
1711	Shell-Thick	SLE-RARA	2.2591	17.7965	-1.48	38.54
1711	Shell-Thick	SLE-RARA	4.0726	23.5572	-1.21	38.54
1711	Shell-Thick	SLE-RARA	4.1961	23.8660	-1.21	38.35
1711	Shell-Thick	SLE-RARA	2.4297	18.0878	-1.48	38.35
1711	Shell-Thick	SLE-FREQ.	2.0355	16.1074	-1.52	35.97
1711	Shell-Thick	SLE-FREQ.	3.7104	21.4837	-1.24	35.97
1711	Shell-Thick	SLE-FREQ.	3.8436	21.7610	-1.24	35.77
1711	Shell-Thick	SLE-FREQ.	2.2049	16.3714	-1.52	35.77
1711	Shell-Thick	SLE-QP	1.3649	11.0401	-1.66	28.27
1711	Shell-Thick	SLE-QP	2.6239	15.2630	-1.33	28.27
1711	Shell-Thick	SLE-QP	2.7862	15.4462	-1.33	28.02
1711	Shell-Thick	SLE-QP	1.5307	11.2221	-1.66	28.02
1712	Shell-Thick	SLU-STATICA	3.5222	24.9077	-1.83	51.90
1712	Shell-Thick	SLU-STATICA	5.5243	32.6836	-1.47	51.90
1712	Shell-Thick	SLU-STATICA	5.7226	33.0242	-1.47	51.64
1712	Shell-Thick	SLU-STATICA	3.6851	25.2617	-1.83	51.64
1712	Shell-Thick	SLU-SISMICA	5.7506	40.4054	-0.99	71.81
1712	Shell-Thick	SLU-SISMICA	8.6908	51.1699	-0.88	71.81
1712	Shell-Thick	SLU-SISMICA	8.7782	51.7640	-0.88	71.73
1712	Shell-Thick	SLU-SISMICA	5.8678	40.9884	-0.99	71.73
1712	Shell-Thick	SLE-RARA	2.5579	18.1013	-1.42	38.34
1712	Shell-Thick	SLE-RARA	4.0282	23.8445	-1.14	38.34
1712	Shell-Thick	SLE-RARA	4.1840	24.0900	-1.14	38.13
1712	Shell-Thick	SLE-RARA	2.6836	18.3582	-1.42	38.13
1712	Shell-Thick	SLE-FREQ.	2.3117	16.3814	-1.46	35.75
1712	Shell-Thick	SLE-FREQ.	3.6686	21.7374	-1.17	35.75
1712	Shell-Thick	SLE-FREQ.	3.8298	21.9560	-1.17	35.54
1712	Shell-Thick	SLE-FREQ.	2.4381	16.6131	-1.46	35.54
1712	Shell-Thick	SLE-QP	1.5731	11.2216	-1.56	28.01
1712	Shell-Thick	SLE-QP	2.5900	15.4160	-1.23	28.01
1712	Shell-Thick	SLE-QP	2.7669	15.5539	-1.23	27.77
1712	Shell-Thick	SLE-QP	1.7014	11.3778	-1.56	27.77
1713	Shell-Thick	SLU-STATICA	3.5335	25.2703	-1.81	51.69
1713	Shell-Thick	SLU-STATICA	5.7543	32.9917	-1.40	51.69
1713	Shell-Thick	SLU-STATICA	5.9876	33.3484	-1.40	51.28
1713	Shell-Thick	SLU-STATICA	3.7816	25.6125	-1.81	51.28
1713	Shell-Thick	SLU-SISMICA	5.8128	41.0378	-1.16	71.80
1713	Shell-Thick	SLU-SISMICA	9.0722	51.7624	-0.94	71.80
1713	Shell-Thick	SLU-SISMICA	9.1908	52.4230	-0.94	71.59
1713	Shell-Thick	SLU-SISMICA	6.0092	41.6208	-1.16	71.59
1713	Shell-Thick	SLE-RARA	2.5639	18.3626	-1.40	38.16
1713	Shell-Thick	SLE-RARA	4.1949	24.0638	-1.08	38.16
1713	Shell-Thick	SLE-RARA	4.3775	24.3189	-1.08	37.84
1713	Shell-Thick	SLE-RARA	2.7545	18.6099	-1.40	37.84
1713	Shell-Thick	SLE-FREQ.	2.3134	16.6141	-1.42	35.57
1713	Shell-Thick	SLE-FREQ.	3.8188	21.9279	-1.09	35.57
1713	Shell-Thick	SLE-FREQ.	4.0063	22.1517	-1.09	35.24
1713	Shell-Thick	SLE-FREQ.	2.5035	16.8355	-1.42	35.24
1713	Shell-Thick	SLE-QP	1.5618	11.3685	-1.48	27.79
1713	Shell-Thick	SLE-QP	2.6905	15.5201	-1.12	27.79
1713	Shell-Thick	SLE-QP	2.8928	15.6502	-1.12	27.43
1713	Shell-Thick	SLE-QP	1.7506	11.5122	-1.48	27.43
1714	Shell-Thick	SLU-STATICA	3.7991	25.6193	-1.81	51.28
1714	Shell-Thick	SLU-STATICA	5.7723	33.3019	-1.37	51.28
1714	Shell-Thick	SLU-STATICA	6.0284	33.5219	-1.37	50.84
1714	Shell-Thick	SLU-STATICA	4.0208	25.8740	-1.81	50.84
1714	Shell-Thick	SLU-SISMICA	6.2257	41.6745	-1.34	71.61
1714	Shell-Thick	SLU-SISMICA	9.1345	52.4013	-1.05	71.61
1714	Shell-Thick	SLU-SISMICA	9.3124	52.8618	-1.05	71.32
1714	Shell-Thick	SLU-SISMICA	6.4068	42.1320	-1.34	71.32
1714	Shell-Thick	SLE-RARA	2.7578	18.6128	-1.40	37.84
1714	Shell-Thick	SLE-RARA	4.2064	24.2825	-1.06	37.84
1714	Shell-Thick	SLE-RARA	4.4043	24.4372	-1.06	37.50
1714	Shell-Thick	SLE-RARA	2.9278	18.7957	-1.40	37.50
1714	Shell-Thick	SLE-FREQ.	2.4904	16.8345	-1.40	35.24
1714	Shell-Thick	SLE-FREQ.	3.8264	22.1142	-1.06	35.24
1714	Shell-Thick	SLE-FREQ.	4.0258	22.2453	-1.06	34.89

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1714	Shell-Thick	SLE-FREQ.	2.6595	16.9962	-1.40	34.89
1714	Shell-Thick	SLE-QP	1.6881	11.4994	-1.41	27.43
1714	Shell-Thick	SLE-QP	2.6863	15.6092	-1.06	27.43
1714	Shell-Thick	SLE-QP	2.8904	15.6696	-1.06	27.07
1714	Shell-Thick	SLE-QP	1.8547	11.5976	-1.41	27.07
1715	Shell-Thick	SLU-STATICA	3.8504	25.8661	-1.85	50.87
1715	Shell-Thick	SLU-STATICA	5.9152	33.4731	-1.37	50.87
1715	Shell-Thick	SLU-STATICA	6.1633	33.5774	-1.37	50.39
1715	Shell-Thick	SLU-STATICA	4.0861	25.9833	-1.85	50.39
1715	Shell-Thick	SLU-SISMICA	6.3391	42.1630	-1.54	71.37
1715	Shell-Thick	SLU-SISMICA	9.3834	52.8313	-1.16	71.37
1715	Shell-Thick	SLU-SISMICA	9.5672	53.1171	-1.16	71.00
1715	Shell-Thick	SLU-SISMICA	6.5600	42.4120	-1.54	71.00
1715	Shell-Thick	SLE-RARA	2.7936	18.7878	-1.42	37.52
1715	Shell-Thick	SLE-RARA	4.3093	24.3993	-1.05	37.52
1715	Shell-Thick	SLE-RARA	4.5006	24.4693	-1.05	37.15
1715	Shell-Thick	SLE-RARA	2.9730	18.8700	-1.42	37.15
1715	Shell-Thick	SLE-FREQ.	2.5202	16.9852	-1.41	34.91
1715	Shell-Thick	SLE-FREQ.	3.9181	22.2068	-1.04	34.91
1715	Shell-Thick	SLE-FREQ.	4.1099	22.2602	-1.04	34.54
1715	Shell-Thick	SLE-FREQ.	2.6964	17.0546	-1.41	34.54
1715	Shell-Thick	SLE-QP	1.7000	11.5776	-1.38	27.08
1715	Shell-Thick	SLE-QP	2.7442	15.6294	-1.02	27.08
1715	Shell-Thick	SLE-QP	2.9377	15.6329	-1.02	26.71
1715	Shell-Thick	SLE-QP	1.8665	11.6084	-1.38	26.71
1716	Shell-Thick	SLU-STATICA	3.9890	25.9656	-1.92	50.39
1716	Shell-Thick	SLU-STATICA	5.8862	33.5203	-1.41	50.39
1716	Shell-Thick	SLU-STATICA	6.1651	33.5143	-1.41	49.87
1716	Shell-Thick	SLU-STATICA	4.2107	26.0173	-1.92	49.87
1716	Shell-Thick	SLU-SISMICA	6.5822	42.4273	-1.74	71.01
1716	Shell-Thick	SLU-SISMICA	9.3883	53.0704	-1.29	71.01
1716	Shell-Thick	SLU-SISMICA	9.6321	53.1894	-1.29	70.56
1716	Shell-Thick	SLU-SISMICA	6.7942	42.5784	-1.74	70.56
1716	Shell-Thick	SLE-RARA	2.8934	18.8549	-1.47	37.15
1716	Shell-Thick	SLE-RARA	4.2857	24.4255	-1.07	37.15
1716	Shell-Thick	SLE-RARA	4.4988	24.4147	-1.07	36.76
1716	Shell-Thick	SLE-RARA	3.0619	18.8891	-1.47	36.76
1716	Shell-Thick	SLE-FREQ.	2.6090	17.0372	-1.45	34.54
1716	Shell-Thick	SLE-FREQ.	3.8922	22.2166	-1.06	34.54
1716	Shell-Thick	SLE-FREQ.	4.1030	22.1959	-1.06	34.15
1716	Shell-Thick	SLE-FREQ.	2.7740	17.0624	-1.45	34.15
1716	Shell-Thick	SLE-QP	1.7556	11.5839	-1.38	26.71
1716	Shell-Thick	SLE-QP	2.7118	15.5899	-1.01	26.71
1716	Shell-Thick	SLE-QP	2.9154	15.5392	-1.01	26.33
1716	Shell-Thick	SLE-QP	1.9106	11.5822	-1.38	26.33
1717	Shell-Thick	SLU-STATICA	3.9866	25.9862	-2.03	49.89
1717	Shell-Thick	SLU-STATICA	5.9260	33.4527	-1.47	49.89
1717	Shell-Thick	SLU-STATICA	6.2086	33.3420	-1.47	49.32
1717	Shell-Thick	SLU-STATICA	4.2302	25.9147	-2.03	49.32
1717	Shell-Thick	SLU-SISMICA	6.6291	42.5733	-1.97	70.60
1717	Shell-Thick	SLU-SISMICA	9.4900	53.1330	-1.43	70.60
1717	Shell-Thick	SLU-SISMICA	9.7466	53.0875	-1.43	70.06
1717	Shell-Thick	SLU-SISMICA	6.8827	42.5311	-1.97	70.06
1717	Shell-Thick	SLE-RARA	2.8891	18.8643	-1.54	36.77
1717	Shell-Thick	SLE-RARA	4.3128	24.3678	-1.12	36.77
1717	Shell-Thick	SLE-RARA	4.5282	24.2807	-1.12	36.34
1717	Shell-Thick	SLE-RARA	3.0733	18.8087	-1.54	36.34
1717	Shell-Thick	SLE-FREQ.	2.6007	17.0360	-1.51	34.16
1717	Shell-Thick	SLE-FREQ.	3.9136	22.1497	-1.09	34.16
1717	Shell-Thick	SLE-FREQ.	4.1258	22.0593	-1.09	33.74
1717	Shell-Thick	SLE-FREQ.	2.7795	16.9794	-1.51	33.74
1717	Shell-Thick	SLE-QP	1.7355	11.5512	-1.41	26.33
1717	Shell-Thick	SLE-QP	2.7159	15.4952	-1.02	26.33
1717	Shell-Thick	SLE-QP	2.9186	15.3952	-1.02	25.94
1717	Shell-Thick	SLE-QP	1.8982	11.4915	-1.41	25.94
1718	Shell-Thick	SLU-STATICA	4.0209	25.8728	-2.18	49.32
1718	Shell-Thick	SLU-STATICA	5.8559	33.2715	-1.57	49.32
1718	Shell-Thick	SLU-STATICA	6.1781	33.0751	-1.57	48.71
1718	Shell-Thick	SLU-STATICA	4.2624	25.7576	-2.18	48.71

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1718	Shell-Thick	SLU-SISMICA	6.7241	42.5090	-2.22	70.07
1718	Shell-Thick	SLU-SISMICA	9.4388	53.0163	-1.60	70.07
1718	Shell-Thick	SLU-SISMICA	9.7594	52.8370	-1.60	69.45
1718	Shell-Thick	SLU-SISMICA	6.9769	42.3981	-2.22	69.45
1718	Shell-Thick	SLE-RARA	2.9121	18.7759	-1.65	36.34
1718	Shell-Thick	SLE-RARA	4.2587	24.2273	-1.19	36.34
1718	Shell-Thick	SLE-RARA	4.5030	24.0776	-1.19	35.87
1718	Shell-Thick	SLE-RARA	3.0945	18.6884	-1.65	35.87
1718	Shell-Thick	SLE-FREQ.	2.6181	16.9458	-1.61	33.74
1718	Shell-Thick	SLE-FREQ.	3.8592	22.0073	-1.16	33.74
1718	Shell-Thick	SLE-FREQ.	4.0976	21.8599	-1.16	33.28
1718	Shell-Thick	SLE-FREQ.	2.7952	16.8601	-1.61	33.28
1718	Shell-Thick	SLE-QP	1.7363	11.4554	-1.48	25.93
1718	Shell-Thick	SLE-QP	2.6609	15.3473	-1.06	25.93
1718	Shell-Thick	SLE-QP	2.8816	15.2067	-1.06	25.52
1718	Shell-Thick	SLE-QP	1.8970	11.3751	-1.48	25.52
1719	Shell-Thick	SLU-STATICA	3.9719	25.7036	-2.38	48.71
1719	Shell-Thick	SLU-STATICA	5.8085	32.9970	-1.70	48.71
1719	Shell-Thick	SLU-STATICA	6.1462	32.7028	-1.70	48.03
1719	Shell-Thick	SLU-STATICA	4.2462	25.4732	-2.38	48.03
1719	Shell-Thick	SLU-SISMICA	6.7076	42.3581	-2.50	69.47
1719	Shell-Thick	SLU-SISMICA	9.4128	52.7538	-1.79	69.47
1719	Shell-Thick	SLU-SISMICA	9.7545	52.4158	-1.79	68.76
1719	Shell-Thick	SLU-SISMICA	7.0092	42.0607	-2.50	68.76
1719	Shell-Thick	SLE-RARA	2.8733	18.6468	-1.79	35.87
1719	Shell-Thick	SLE-RARA	4.2218	24.0187	-1.28	35.87
1719	Shell-Thick	SLE-RARA	4.4774	23.7979	-1.28	35.36
1719	Shell-Thick	SLE-RARA	3.0799	18.4755	-1.79	35.36
1719	Shell-Thick	SLE-FREQ.	2.5777	16.8183	-1.74	33.28
1719	Shell-Thick	SLE-FREQ.	3.8215	21.8029	-1.25	33.28
1719	Shell-Thick	SLE-FREQ.	4.0705	21.5911	-1.25	32.79
1719	Shell-Thick	SLE-FREQ.	2.7769	16.6568	-1.74	32.79
1719	Shell-Thick	SLE-QP	1.6907	11.3330	-1.58	25.51
1719	Shell-Thick	SLE-QP	2.6206	15.1554	-1.13	25.51
1719	Shell-Thick	SLE-QP	2.8497	14.9707	-1.13	25.06
1719	Shell-Thick	SLE-QP	1.8678	11.2006	-1.58	25.06
1720	Shell-Thick	SLU-STATICA	3.9191	25.4076	-2.62	48.03
1720	Shell-Thick	SLU-STATICA	5.7002	32.6137	-1.88	48.03
1720	Shell-Thick	SLU-STATICA	6.0899	32.2590	-1.88	47.28
1720	Shell-Thick	SLU-STATICA	4.2056	25.1567	-2.62	47.28
1720	Shell-Thick	SLU-SISMICA	6.6748	42.0034	-2.83	68.76
1720	Shell-Thick	SLU-SISMICA	9.3077	52.3169	-2.02	68.76
1720	Shell-Thick	SLU-SISMICA	9.7227	51.8803	-2.02	67.95
1720	Shell-Thick	SLU-SISMICA	6.9875	41.6696	-2.83	67.95
1720	Shell-Thick	SLE-RARA	2.8323	18.4254	-1.98	35.36
1720	Shell-Thick	SLE-RARA	4.1395	23.7310	-1.42	35.36
1720	Shell-Thick	SLE-RARA	4.4336	23.4663	-1.42	34.80
1720	Shell-Thick	SLE-RARA	3.0481	18.2395	-1.98	34.80
1720	Shell-Thick	SLE-FREQ.	2.5360	16.6073	-1.91	32.78
1720	Shell-Thick	SLE-FREQ.	3.7410	21.5266	-1.37	32.78
1720	Shell-Thick	SLE-FREQ.	4.0257	21.2752	-1.37	32.24
1720	Shell-Thick	SLE-FREQ.	2.7444	16.4327	-1.91	32.24
1720	Shell-Thick	SLE-QP	1.6471	11.1528	-1.72	25.06
1720	Shell-Thick	SLE-QP	2.5453	14.9136	-1.23	25.06
1720	Shell-Thick	SLE-QP	2.8022	14.7019	-1.23	24.57
1720	Shell-Thick	SLE-QP	1.8330	11.0124	-1.72	24.57
1721	Shell-Thick	SLU-STATICA	3.8322	25.0805	-2.93	47.28
1721	Shell-Thick	SLU-STATICA	5.5784	32.1583	-2.10	47.28
1721	Shell-Thick	SLU-STATICA	5.9985	31.7099	-2.10	46.45
1721	Shell-Thick	SLU-STATICA	4.1676	24.7174	-2.93	46.45
1721	Shell-Thick	SLU-SISMICA	6.6035	41.5973	-3.20	67.95
1721	Shell-Thick	SLU-SISMICA	9.1717	51.7657	-2.28	67.95
1721	Shell-Thick	SLU-SISMICA	9.6193	51.1710	-2.28	67.03
1721	Shell-Thick	SLU-SISMICA	6.9788	41.0754	-3.20	67.03
1721	Shell-Thick	SLE-RARA	2.7657	18.1815	-2.21	34.79
1721	Shell-Thick	SLE-RARA	4.0479	23.3906	-1.58	34.79
1721	Shell-Thick	SLE-RARA	4.3649	23.0582	-1.58	34.17
1721	Shell-Thick	SLE-RARA	3.0179	17.9143	-2.21	34.17
1721	Shell-Thick	SLE-FREQ.	2.4698	16.3759	-2.13	32.23

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1721	Shell-Thick	SLE-FREQ.	3.6528	21.2025	-1.53	32.23
1721	Shell-Thick	SLE-FREQ.	3.9597	20.8903	-1.53	31.64
1721	Shell-Thick	SLE-FREQ.	2.7124	16.1283	-2.13	31.64
1721	Shell-Thick	SLE-QP	1.5820	10.9589	-1.90	24.56
1721	Shell-Thick	SLE-QP	2.4675	14.6383	-1.37	24.56
1721	Shell-Thick	SLE-QP	2.7442	14.3867	-1.37	24.03
1721	Shell-Thick	SLE-QP	1.7961	10.7703	-1.90	24.03
1722	Shell-Thick	SLU-STATICA	3.7126	24.6293	-3.32	46.44
1722	Shell-Thick	SLU-STATICA	5.4369	31.5948	-2.40	46.44
1722	Shell-Thick	SLU-STATICA	5.9276	31.1150	-2.40	45.52
1722	Shell-Thick	SLU-STATICA	4.0799	24.2736	-3.32	45.52
1722	Shell-Thick	SLU-SISMICA	6.4682	40.9858	-3.65	67.04
1722	Shell-Thick	SLU-SISMICA	9.0184	51.0383	-2.61	67.04
1722	Shell-Thick	SLU-SISMICA	9.5549	50.3849	-2.61	66.00
1722	Shell-Thick	SLU-SISMICA	6.8719	40.4659	-3.65	66.00
1722	Shell-Thick	SLE-RARA	2.6759	17.8476	-2.50	34.17
1722	Shell-Thick	SLE-RARA	3.9413	22.9718	-1.81	34.17
1722	Shell-Thick	SLE-RARA	4.3108	22.6169	-1.81	33.48
1722	Shell-Thick	SLE-RARA	2.9524	17.5863	-2.50	33.48
1722	Shell-Thick	SLE-FREQ.	2.3835	16.0633	-2.41	31.63
1722	Shell-Thick	SLE-FREQ.	3.5498	20.8075	-1.74	31.63
1722	Shell-Thick	SLE-FREQ.	3.9065	20.4756	-1.74	30.97
1722	Shell-Thick	SLE-FREQ.	2.6502	15.8220	-2.41	30.97
1722	Shell-Thick	SLE-QP	1.5062	10.7106	-2.14	24.03
1722	Shell-Thick	SLE-QP	2.3752	14.3146	-1.56	24.03
1722	Shell-Thick	SLE-QP	2.6933	14.0518	-1.56	23.44
1722	Shell-Thick	SLE-QP	1.7435	10.5290	-2.14	23.44
1723	Shell-Thick	SLU-STATICA	3.6058	24.1764	-3.79	45.51
1723	Shell-Thick	SLU-STATICA	5.2579	30.9834	-2.76	45.51
1723	Shell-Thick	SLU-STATICA	5.8004	30.4123	-2.76	44.49
1723	Shell-Thick	SLU-STATICA	4.0465	23.7078	-3.79	44.49
1723	Shell-Thick	SLU-SISMICA	6.3606	40.3645	-4.17	65.99
1723	Shell-Thick	SLU-SISMICA	8.7945	50.2320	-2.99	65.99
1723	Shell-Thick	SLU-SISMICA	9.3804	49.4160	-2.99	64.81
1723	Shell-Thick	SLU-SISMICA	6.8491	39.6468	-4.17	64.81
1723	Shell-Thick	SLE-RARA	2.5950	17.5128	-2.85	33.47
1723	Shell-Thick	SLE-RARA	3.8079	22.5183	-2.08	33.47
1723	Shell-Thick	SLE-RARA	4.2168	22.0977	-2.08	32.70
1723	Shell-Thick	SLE-RARA	2.9266	17.1702	-2.85	32.70
1723	Shell-Thick	SLE-FREQ.	2.3046	15.7507	-2.75	30.96
1723	Shell-Thick	SLE-FREQ.	3.4234	20.3812	-2.01	30.96
1723	Shell-Thick	SLE-FREQ.	3.8186	19.9911	-2.01	30.22
1723	Shell-Thick	SLE-FREQ.	2.6241	15.4369	-2.75	30.22
1723	Shell-Thick	SLE-QP	1.4335	10.4642	-2.45	23.44
1723	Shell-Thick	SLE-QP	2.2698	13.9699	-1.80	23.44
1723	Shell-Thick	SLE-QP	2.6241	13.6714	-1.80	22.79
1723	Shell-Thick	SLE-QP	1.7167	10.2372	-2.45	22.79
1724	Shell-Thick	SLU-STATICA	3.4558	23.5991	-4.38	44.49
1724	Shell-Thick	SLU-STATICA	5.1003	30.2628	-3.24	44.49
1724	Shell-Thick	SLU-STATICA	5.7418	29.6968	-3.24	43.35
1724	Shell-Thick	SLU-STATICA	3.9577	23.1736	-4.38	43.35
1724	Shell-Thick	SLU-SISMICA	6.1633	39.5293	-4.79	64.83
1724	Shell-Thick	SLU-SISMICA	8.6093	49.2420	-3.48	64.83
1724	Shell-Thick	SLU-SISMICA	9.3085	48.4174	-3.48	63.51
1724	Shell-Thick	SLU-SISMICA	6.7051	38.8630	-4.79	63.51
1724	Shell-Thick	SLE-RARA	2.4837	17.0882	-3.30	32.70
1724	Shell-Thick	SLE-RARA	3.6898	21.9857	-2.44	32.70
1724	Shell-Thick	SLE-RARA	4.1731	21.5697	-2.44	31.84
1724	Shell-Thick	SLE-RARA	2.8620	16.7778	-3.30	31.84
1724	Shell-Thick	SLE-FREQ.	2.1999	15.3577	-3.18	30.22
1724	Shell-Thick	SLE-FREQ.	3.3105	19.8839	-2.36	30.22
1724	Shell-Thick	SLE-FREQ.	3.7771	19.4994	-2.36	29.40
1724	Shell-Thick	SLE-FREQ.	2.5657	15.0748	-3.18	29.40
1724	Shell-Thick	SLE-QP	1.3487	10.1663	-2.84	22.79
1724	Shell-Thick	SLE-QP	2.1724	13.5784	-2.12	22.79
1724	Shell-Thick	SLE-QP	2.5891	13.2885	-2.12	22.07
1724	Shell-Thick	SLE-QP	1.6766	9.9656	-2.84	22.07
1725	Shell-Thick	SLU-STATICA	3.5234	23.0858	-4.91	43.34
1725	Shell-Thick	SLU-STATICA	5.0202	29.5534	-3.71	43.34

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1725	Shell-Thick	SLU-STATICA	5.5402	29.1119	-3.71	42.54
1725	Shell-Thick	SLU-STATICA	3.8651	22.6923	-4.91	42.54
1725	Shell-Thick	SLU-SISMICA	6.2356	38.7685	-5.33	63.50
1725	Shell-Thick	SLU-SISMICA	8.4747	48.2512	-3.94	63.50
1725	Shell-Thick	SLU-SISMICA	9.0234	47.5767	-3.94	62.58
1725	Shell-Thick	SLU-SISMICA	6.6131	38.1402	-5.33	62.58
1725	Shell-Thick	SLE-RARA	2.5347	16.7116	-3.70	31.84
1725	Shell-Thick	SLE-RARA	3.6319	21.4622	-2.80	31.84
1725	Shell-Thick	SLE-RARA	4.0244	21.1392	-2.80	31.24
1725	Shell-Thick	SLE-RARA	2.7918	16.4252	-3.70	31.24
1725	Shell-Thick	SLE-FREQ.	2.2493	15.0107	-3.58	29.40
1725	Shell-Thick	SLE-FREQ.	3.2584	19.3964	-2.71	29.40
1725	Shell-Thick	SLE-FREQ.	3.6389	19.1006	-2.71	28.82
1725	Shell-Thick	SLE-FREQ.	2.4972	14.7507	-3.58	28.82
1725	Shell-Thick	SLE-QP	1.3932	9.9081	-3.20	22.07
1725	Shell-Thick	SLE-QP	2.1381	13.1991	-2.45	22.07
1725	Shell-Thick	SLE-QP	2.4825	12.9845	-2.45	21.57
1725	Shell-Thick	SLE-QP	1.6132	9.7271	-3.20	21.57
1726	Shell-Thick	SLU-STATICA	3.2796	22.5909	-5.45	42.55
1726	Shell-Thick	SLU-STATICA	4.8258	28.9534	-4.11	42.55
1726	Shell-Thick	SLU-STATICA	5.6182	28.3385	-4.11	41.21
1726	Shell-Thick	SLU-STATICA	3.9230	22.1261	-5.45	41.21
1726	Shell-Thick	SLU-SISMICA	5.9084	38.0258	-5.91	62.60
1726	Shell-Thick	SLU-SISMICA	8.2348	47.3925	-4.35	62.60
1726	Shell-Thick	SLU-SISMICA	9.0910	46.4536	-4.35	61.03
1726	Shell-Thick	SLU-SISMICA	6.5926	37.2600	-5.91	61.03
1726	Shell-Thick	SLE-RARA	2.3541	16.3490	-4.11	31.24
1726	Shell-Thick	SLE-RARA	3.4869	21.0204	-3.10	31.24
1726	Shell-Thick	SLE-RARA	4.0841	20.5706	-3.10	30.24
1726	Shell-Thick	SLE-RARA	2.8396	16.0117	-4.11	30.24
1726	Shell-Thick	SLE-FREQ.	2.0800	14.6774	-3.97	28.83
1726	Shell-Thick	SLE-FREQ.	3.1208	18.9867	-3.01	28.83
1726	Shell-Thick	SLE-FREQ.	3.6980	18.5747	-3.01	27.87
1726	Shell-Thick	SLE-FREQ.	2.5502	14.3732	-3.97	27.87
1726	Shell-Thick	SLE-QP	1.2577	9.6627	-3.55	21.57
1726	Shell-Thick	SLE-QP	2.0224	12.8858	-2.72	21.57
1726	Shell-Thick	SLE-QP	2.5397	12.5870	-2.72	20.74
1726	Shell-Thick	SLE-QP	1.6819	9.4577	-3.55	20.74
1727	Shell-Thick	SLU-STATICA	3.2452	21.9998	-5.95	41.21
1727	Shell-Thick	SLU-STATICA	4.6583	28.1373	-4.51	41.21
1727	Shell-Thick	SLU-STATICA	5.5021	27.3977	-4.51	39.77
1727	Shell-Thick	SLU-STATICA	3.9721	21.3782	-5.95	39.77
1727	Shell-Thick	SLU-SISMICA	5.8362	37.1211	-6.47	61.04
1727	Shell-Thick	SLU-SISMICA	7.9738	46.2177	-4.77	61.04
1727	Shell-Thick	SLU-SISMICA	8.8782	45.0572	-4.77	59.34
1727	Shell-Thick	SLU-SISMICA	6.6200	36.0825	-6.47	59.34
1727	Shell-Thick	SLE-RARA	2.3300	15.9167	-4.49	30.24
1727	Shell-Thick	SLE-RARA	3.3646	20.4199	-3.40	30.24
1727	Shell-Thick	SLE-RARA	4.0009	19.8804	-3.40	29.16
1727	Shell-Thick	SLE-RARA	2.8779	15.4665	-4.49	29.16
1727	Shell-Thick	SLE-FREQ.	2.0596	14.2815	-4.33	27.87
1727	Shell-Thick	SLE-FREQ.	3.0092	18.4305	-3.30	27.87
1727	Shell-Thick	SLE-FREQ.	3.6248	17.9390	-3.30	26.83
1727	Shell-Thick	SLE-FREQ.	2.5893	13.8767	-4.33	26.83
1727	Shell-Thick	SLE-QP	1.2485	9.3761	-3.87	20.74
1727	Shell-Thick	SLE-QP	1.9429	12.4625	-2.98	20.74
1727	Shell-Thick	SLE-QP	2.4965	12.1146	-2.98	19.85
1727	Shell-Thick	SLE-QP	1.7236	9.1074	-3.87	19.85
1728	Shell-Thick	SLU-STATICA	3.1651	21.2447	-6.39	39.79
1728	Shell-Thick	SLU-STATICA	4.5464	27.1787	-4.84	39.79
1728	Shell-Thick	SLU-STATICA	5.4657	26.5014	-4.84	38.24
1728	Shell-Thick	SLU-STATICA	3.9313	20.7217	-6.39	38.24
1728	Shell-Thick	SLU-SISMICA	5.6683	35.9336	-7.01	59.37
1728	Shell-Thick	SLU-SISMICA	7.7950	44.7991	-5.16	59.37
1728	Shell-Thick	SLU-SISMICA	8.7987	43.7264	-5.16	57.53
1728	Shell-Thick	SLU-SISMICA	6.4922	35.0421	-7.01	57.53
1728	Shell-Thick	SLE-RARA	2.2736	15.3661	-4.81	29.17
1728	Shell-Thick	SLE-RARA	3.2831	19.7164	-3.65	29.17
1728	Shell-Thick	SLE-RARA	3.9755	19.2229	-3.65	28.01

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1728	Shell-Thick	SLE-RARA	2.8513	14.9881	-4.81	28.01
1728	Shell-Thick	SLE-FREQ.	2.0118	13.7800	-4.64	26.85
1728	Shell-Thick	SLE-FREQ.	2.9352	17.7822	-3.53	26.85
1728	Shell-Thick	SLE-FREQ.	3.6036	17.3334	-3.53	25.74
1728	Shell-Thick	SLE-FREQ.	2.5705	13.4417	-4.64	25.74
1728	Shell-Thick	SLE-QP	1.2264	9.0220	-4.13	19.86
1728	Shell-Thick	SLE-QP	1.8914	11.9796	-3.18	19.86
1728	Shell-Thick	SLE-QP	2.4878	11.6648	-3.18	18.91
1728	Shell-Thick	SLE-QP	1.7282	8.8024	-4.13	18.91
1729	Shell-Thick	SLU-STATICA	3.1615	20.5891	-6.71	38.25
1729	Shell-Thick	SLU-STATICA	4.4016	26.2673	-5.08	38.25
1729	Shell-Thick	SLU-STATICA	5.3436	25.4293	-5.08	36.62
1729	Shell-Thick	SLU-STATICA	3.9889	19.8668	-6.71	36.62
1729	Shell-Thick	SLU-SISMICA	5.6195	34.8959	-7.43	57.55
1729	Shell-Thick	SLU-SISMICA	7.5512	43.4485	-5.47	57.55
1729	Shell-Thick	SLU-SISMICA	8.5787	42.1015	-5.47	55.59
1729	Shell-Thick	SLU-SISMICA	6.5282	33.6693	-7.43	55.59
1729	Shell-Thick	SLE-RARA	2.2731	14.8883	-5.05	28.02
1729	Shell-Thick	SLE-RARA	3.1784	19.0477	-3.83	28.02
1729	Shell-Thick	SLE-RARA	3.8879	18.4381	-3.83	26.81
1729	Shell-Thick	SLE-RARA	2.8960	14.3662	-5.05	26.81
1729	Shell-Thick	SLE-FREQ.	2.0151	13.3454	-4.86	25.75
1729	Shell-Thick	SLE-FREQ.	2.8412	17.1660	-3.70	25.75
1729	Shell-Thick	SLE-FREQ.	3.5262	16.6133	-3.70	24.59
1729	Shell-Thick	SLE-FREQ.	2.6160	12.8776	-4.86	24.59
1729	Shell-Thick	SLE-QP	1.2409	8.7169	-4.31	18.92
1729	Shell-Thick	SLE-QP	1.8296	11.5212	-3.32	18.92
1729	Shell-Thick	SLE-QP	2.4410	11.1390	-3.32	17.93
1729	Shell-Thick	SLE-QP	1.7757	8.4121	-4.31	17.93
1730	Shell-Thick	SLU-STATICA	3.1243	19.7315	-6.99	36.66
1730	Shell-Thick	SLU-STATICA	4.2917	25.1813	-5.28	36.66
1730	Shell-Thick	SLU-STATICA	5.2867	24.4443	-5.28	34.95
1730	Shell-Thick	SLU-STATICA	3.9705	19.1446	-6.99	34.95
1730	Shell-Thick	SLU-SISMICA	5.5077	33.5192	-7.85	55.64
1730	Shell-Thick	SLU-SISMICA	7.3619	41.8042	-5.76	55.64
1730	Shell-Thick	SLU-SISMICA	8.4712	40.6129	-5.76	53.55
1730	Shell-Thick	SLU-SISMICA	6.4406	32.5058	-7.85	53.55
1730	Shell-Thick	SLE-RARA	2.2487	14.2644	-5.25	26.83
1730	Shell-Thick	SLE-RARA	3.0990	18.2526	-3.97	26.83
1730	Shell-Thick	SLE-RARA	3.8472	17.7168	-3.97	25.55
1730	Shell-Thick	SLE-RARA	2.8856	13.8409	-5.25	25.55
1730	Shell-Thick	SLE-FREQ.	1.9974	12.7796	-5.05	24.61
1730	Shell-Thick	SLE-FREQ.	2.7703	16.4365	-3.84	24.61
1730	Shell-Thick	SLE-FREQ.	3.4907	15.9512	-3.84	23.39
1730	Shell-Thick	SLE-FREQ.	2.6114	12.4016	-5.05	23.39
1730	Shell-Thick	SLE-QP	1.2434	8.3252	-4.45	17.94
1730	Shell-Thick	SLE-QP	1.7841	10.9881	-3.42	17.94
1730	Shell-Thick	SLE-QP	2.4210	10.6545	-3.42	16.92
1730	Shell-Thick	SLE-QP	1.7890	8.0837	-4.45	16.92
1731	Shell-Thick	SLU-STATICA	3.1371	19.0143	-7.14	34.98
1731	Shell-Thick	SLU-STATICA	4.1821	24.1870	-5.39	34.98
1731	Shell-Thick	SLU-STATICA	5.1746	23.2465	-5.39	33.23
1731	Shell-Thick	SLU-STATICA	4.0252	18.1796	-7.14	33.23
1731	Shell-Thick	SLU-SISMICA	5.4766	32.3634	-8.11	53.60
1731	Shell-Thick	SLU-SISMICA	7.1665	40.3015	-5.95	53.60
1731	Shell-Thick	SLU-SISMICA	8.2754	38.7712	-5.95	51.43
1731	Shell-Thick	SLU-SISMICA	6.4783	30.9420	-8.11	51.43
1731	Shell-Thick	SLE-RARA	2.2605	13.7428	-5.36	25.58
1731	Shell-Thick	SLE-RARA	3.0202	17.5245	-4.05	25.58
1731	Shell-Thick	SLE-RARA	3.7665	16.8413	-4.05	24.27
1731	Shell-Thick	SLE-RARA	2.9278	13.1395	-5.36	24.27
1731	Shell-Thick	SLE-FREQ.	2.0125	12.3069	-5.15	23.42
1731	Shell-Thick	SLE-FREQ.	2.7005	15.7681	-3.91	23.42
1731	Shell-Thick	SLE-FREQ.	3.4188	15.1502	-3.91	22.18
1731	Shell-Thick	SLE-FREQ.	2.6540	11.7667	-5.15	22.18
1731	Shell-Thick	SLE-QP	1.2685	7.9992	-4.51	16.93
1731	Shell-Thick	SLE-QP	1.7413	10.4989	-3.47	16.93
1731	Shell-Thick	SLE-QP	2.3757	10.0769	-3.47	15.89
1731	Shell-Thick	SLE-QP	1.8326	7.6483	-4.51	15.89



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1732	Shell-Thick	SLU-STATICA	3.1653	18.0520	-7.26	33.27
1732	Shell-Thick	SLU-STATICA	4.0607	22.9794	-5.45	33.27
1732	Shell-Thick	SLU-STATICA	5.0827	22.1859	-5.45	31.46
1732	Shell-Thick	SLU-STATICA	4.0516	17.3955	-7.26	31.46
1732	Shell-Thick	SLU-SISMICA	5.4670	30.8025	-8.38	51.49
1732	Shell-Thick	SLU-SISMICA	6.9505	38.4435	-6.10	51.49
1732	Shell-Thick	SLU-SISMICA	8.1186	37.1474	-6.10	49.22
1732	Shell-Thick	SLU-SISMICA	6.4737	29.6695	-8.38	49.22
1732	Shell-Thick	SLE-RARA	2.2838	13.0434	-5.45	24.30
1732	Shell-Thick	SLE-RARA	2.9330	16.6419	-4.10	24.30
1732	Shell-Thick	SLE-RARA	3.7001	16.0657	-4.10	22.96
1732	Shell-Thick	SLE-RARA	2.9494	12.5697	-5.45	22.96
1732	Shell-Thick	SLE-FREQ.	2.0383	11.6739	-5.22	22.21
1732	Shell-Thick	SLE-FREQ.	2.6231	14.9607	-3.94	22.21
1732	Shell-Thick	SLE-FREQ.	3.3594	14.4400	-3.94	20.93
1732	Shell-Thick	SLE-FREQ.	2.6776	11.2511	-5.22	20.93
1732	Shell-Thick	SLE-QP	1.3019	7.5655	-4.54	15.92
1732	Shell-Thick	SLE-QP	1.6937	9.9172	-3.48	15.92
1732	Shell-Thick	SLE-QP	2.3372	9.5630	-3.48	14.86
1732	Shell-Thick	SLE-QP	1.8623	7.2952	-4.54	14.86
1733	Shell-Thick	SLU-STATICA	3.1681	17.2736	-7.21	31.52
1733	Shell-Thick	SLU-STATICA	3.9996	21.9145	-5.41	31.52
1733	Shell-Thick	SLU-STATICA	4.9908	20.8981	-5.41	29.71
1733	Shell-Thick	SLU-STATICA	4.0709	16.3469	-7.21	29.71
1733	Shell-Thick	SLU-SISMICA	5.4173	29.5370	-8.43	49.30
1733	Shell-Thick	SLU-SISMICA	6.8276	36.8103	-6.13	49.30
1733	Shell-Thick	SLU-SISMICA	7.9648	35.1492	-6.13	47.00
1733	Shell-Thick	SLU-SISMICA	6.4659	27.9661	-8.43	47.00
1733	Shell-Thick	SLE-RARA	2.2886	12.4778	-5.40	23.00
1733	Shell-Thick	SLE-RARA	2.8897	15.8633	-4.06	23.00
1733	Shell-Thick	SLE-RARA	3.6335	15.1252	-4.06	21.65
1733	Shell-Thick	SLE-RARA	2.9654	11.8078	-5.40	21.65
1733	Shell-Thick	SLE-FREQ.	2.0473	11.1624	-5.17	20.97
1733	Shell-Thick	SLE-FREQ.	2.5861	14.2480	-3.90	20.97
1733	Shell-Thick	SLE-FREQ.	3.2995	13.5811	-3.90	19.70
1733	Shell-Thick	SLE-FREQ.	2.6954	10.5618	-5.17	19.70
1733	Shell-Thick	SLE-QP	1.3235	7.2159	-4.47	14.88
1733	Shell-Thick	SLE-QP	1.6751	9.4021	-3.42	14.88
1733	Shell-Thick	SLE-QP	2.2976	8.9488	-3.42	13.83
1733	Shell-Thick	SLE-QP	1.8856	6.8237	-4.47	13.83
1734	Shell-Thick	SLU-STATICA	3.2606	16.2318	-7.10	29.76
1734	Shell-Thick	SLU-STATICA	3.8421	20.6214	-5.28	29.76
1734	Shell-Thick	SLU-STATICA	4.8286	19.7878	-5.28	27.94
1734	Shell-Thick	SLU-STATICA	4.1316	15.5151	-7.10	27.94
1734	Shell-Thick	SLU-SISMICA	5.5132	27.8415	-8.43	47.07
1734	Shell-Thick	SLU-SISMICA	6.5471	34.7997	-6.08	47.07
1734	Shell-Thick	SLU-SISMICA	7.7050	33.4361	-6.08	44.71
1734	Shell-Thick	SLU-SISMICA	6.5342	26.6165	-8.43	44.71
1734	Shell-Thick	SLE-RARA	2.3584	11.7210	-5.31	21.69
1734	Shell-Thick	SLE-RARA	2.7765	14.9192	-3.96	21.69
1734	Shell-Thick	SLE-RARA	3.5155	14.3140	-3.96	20.34
1734	Shell-Thick	SLE-RARA	3.0110	11.2033	-5.31	20.34
1734	Shell-Thick	SLE-FREQ.	2.1152	10.4779	-5.07	19.73
1734	Shell-Thick	SLE-FREQ.	2.4858	13.3862	-3.80	19.73
1734	Shell-Thick	SLE-FREQ.	3.1924	12.8394	-3.80	18.46
1734	Shell-Thick	SLE-FREQ.	2.7393	10.0147	-5.07	18.46
1734	Shell-Thick	SLE-QP	1.3854	6.7487	-4.35	13.86
1734	Shell-Thick	SLE-QP	1.6135	8.7870	-3.31	13.86
1734	Shell-Thick	SLE-QP	2.2232	8.4157	-3.31	12.82
1734	Shell-Thick	SLE-QP	1.9242	6.4490	-4.35	12.82
1735	Shell-Thick	SLU-STATICA	3.1906	15.4007	-6.74	28.02
1735	Shell-Thick	SLU-STATICA	3.8179	19.5119	-4.99	28.02
1735	Shell-Thick	SLU-STATICA	4.7338	18.4944	-4.99	26.27
1735	Shell-Thick	SLU-STATICA	4.0360	14.4550	-6.74	26.27
1735	Shell-Thick	SLU-SISMICA	5.3515	26.4891	-8.13	44.83
1735	Shell-Thick	SLU-SISMICA	6.4815	33.0824	-5.84	44.83
1735	Shell-Thick	SLU-SISMICA	7.5642	31.4242	-5.84	42.54
1735	Shell-Thick	SLU-SISMICA	6.3659	24.9010	-8.13	42.54
1735	Shell-Thick	SLE-RARA	2.3099	11.1172	-5.04	20.39



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1735	Shell-Thick	SLE-RARA	2.7602	14.1088	-3.74	20.39
1735	Shell-Thick	SLE-RARA	3.4459	13.3697	-3.74	19.10
1735	Shell-Thick	SLE-RARA	2.9422	10.4326	-5.04	19.10
1735	Shell-Thick	SLE-FREQ.	2.0754	9.9319	-4.80	18.51
1735	Shell-Thick	SLE-FREQ.	2.4733	12.6457	-3.58	18.51
1735	Shell-Thick	SLE-FREQ.	3.1283	11.9775	-3.58	17.29
1735	Shell-Thick	SLE-FREQ.	2.6782	9.3169	-4.80	17.29
1735	Shell-Thick	SLE-QP	1.3718	6.3758	-4.09	12.86
1735	Shell-Thick	SLE-QP	1.6124	8.2563	-3.09	12.86
1735	Shell-Thick	SLE-QP	2.1756	7.8008	-3.09	11.86
1735	Shell-Thick	SLE-QP	1.8861	5.9698	-4.09	11.86
1736	Shell-Thick	SLU-STATICA	3.3668	14.3596	-6.27	26.31
1736	Shell-Thick	SLU-STATICA	3.6534	18.2399	-4.62	26.31
1736	Shell-Thick	SLU-STATICA	4.4147	17.5232	-4.62	24.89
1736	Shell-Thick	SLU-STATICA	4.0099	13.7185	-6.27	24.89
1736	Shell-Thick	SLU-SISMICA	5.5748	24.7956	-7.70	42.60
1736	Shell-Thick	SLU-SISMICA	6.1732	31.0931	-5.52	42.60
1736	Shell-Thick	SLU-SISMICA	7.0962	29.9292	-5.52	40.72
1736	Shell-Thick	SLU-SISMICA	6.3574	23.7218	-7.70	40.72
1736	Shell-Thick	SLE-RARA	2.4411	10.3608	-4.68	19.13
1736	Shell-Thick	SLE-RARA	2.6427	13.1807	-3.45	19.13
1736	Shell-Thick	SLE-RARA	3.2116	12.6599	-3.45	18.07
1736	Shell-Thick	SLE-RARA	2.9215	9.8966	-4.68	18.07
1736	Shell-Thick	SLE-FREQ.	2.1995	9.2477	-4.45	17.32
1736	Shell-Thick	SLE-FREQ.	2.3705	11.7994	-3.29	17.32
1736	Shell-Thick	SLE-FREQ.	2.9120	11.3282	-3.29	16.33
1736	Shell-Thick	SLE-FREQ.	2.6566	8.8305	-4.45	16.33
1736	Shell-Thick	SLE-QP	1.4745	5.9084	-3.75	11.89
1736	Shell-Thick	SLE-QP	1.5538	7.6555	-2.82	11.89
1736	Shell-Thick	SLE-QP	2.0134	7.3331	-2.82	11.09
1736	Shell-Thick	SLE-QP	1.8617	5.6322	-3.75	11.09
1737	Shell-Thick	SLU-STATICA	3.0612	13.6116	-5.59	24.98
1737	Shell-Thick	SLU-STATICA	3.5310	17.2635	-4.02	24.98
1737	Shell-Thick	SLU-STATICA	4.3766	16.2032	-4.02	23.19
1737	Shell-Thick	SLU-STATICA	3.8606	12.6216	-5.59	23.19
1737	Shell-Thick	SLU-SISMICA	5.1102	23.5964	-7.02	40.86
1737	Shell-Thick	SLU-SISMICA	6.0045	29.5868	-4.93	40.86
1737	Shell-Thick	SLU-SISMICA	7.0503	27.8805	-4.93	38.47
1737	Shell-Thick	SLU-SISMICA	6.1108	21.9596	-7.02	38.47
1737	Shell-Thick	SLE-RARA	2.2175	9.8166	-4.16	18.14
1737	Shell-Thick	SLE-RARA	2.5524	12.4672	-3.00	18.14
1737	Shell-Thick	SLE-RARA	3.1831	11.6960	-3.00	16.81
1737	Shell-Thick	SLE-RARA	2.8132	9.0986	-4.16	16.81
1737	Shell-Thick	SLE-FREQ.	1.9944	8.7540	-3.94	16.39
1737	Shell-Thick	SLE-FREQ.	2.2862	11.1471	-2.85	16.39
1737	Shell-Thick	SLE-FREQ.	2.8849	10.4480	-2.85	15.14
1737	Shell-Thick	SLE-FREQ.	2.5589	8.1069	-3.94	15.14
1737	Shell-Thick	SLE-QP	1.3252	5.5662	-3.28	11.13
1737	Shell-Thick	SLE-QP	1.4876	7.1867	-2.40	11.13
1737	Shell-Thick	SLE-QP	1.9903	6.7039	-2.40	10.13
1737	Shell-Thick	SLE-QP	1.7960	5.1317	-3.28	10.13
1738	Shell-Thick	SLU-STATICA	3.1285	12.5202	-4.83	23.24
1738	Shell-Thick	SLU-STATICA	3.2963	15.9422	-3.47	23.24
1738	Shell-Thick	SLU-STATICA	3.9544	15.1046	-3.47	21.87
1738	Shell-Thick	SLU-STATICA	3.7160	11.7542	-4.83	21.87
1738	Shell-Thick	SLU-SISMICA	5.2079	21.8416	-6.19	38.54
1738	Shell-Thick	SLU-SISMICA	5.6187	27.5316	-4.36	38.54
1738	Shell-Thick	SLU-SISMICA	6.4522	26.1943	-4.36	36.71
1738	Shell-Thick	SLU-SISMICA	5.9586	20.5884	-6.19	36.71
1738	Shell-Thick	SLE-RARA	2.2670	9.0226	-3.59	16.85
1738	Shell-Thick	SLE-RARA	2.3820	11.5026	-2.58	16.85
1738	Shell-Thick	SLE-RARA	2.8719	10.8928	-2.58	15.84
1738	Shell-Thick	SLE-RARA	2.7040	8.4665	-3.59	15.84
1738	Shell-Thick	SLE-FREQ.	2.0402	8.0341	-3.39	15.17
1738	Shell-Thick	SLE-FREQ.	2.1325	10.2665	-2.44	15.17
1738	Shell-Thick	SLE-FREQ.	2.5959	9.7129	-2.44	14.23
1738	Shell-Thick	SLE-FREQ.	2.4531	7.5317	-3.39	14.23
1738	Shell-Thick	SLE-QP	1.3599	5.0686	-2.79	10.16
1738	Shell-Thick	SLE-QP	1.3837	6.5584	-2.03	10.16

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1738	Shell-Thick	SLE-QP	1.7676	6.1731	-2.03	9.40
1738	Shell-Thick	SLE-QP	1.7002	4.7275	-2.79	9.40
1739	Shell-Thick	SLU-STATICA	2.8754	11.6585	-4.16	21.95
1739	Shell-Thick	SLU-STATICA	3.2309	14.8876	-2.98	21.95
1739	Shell-Thick	SLU-STATICA	3.7889	14.0864	-2.98	20.77
1739	Shell-Thick	SLU-STATICA	3.3897	10.9019	-4.16	20.77
1739	Shell-Thick	SLU-SISMICA	4.8237	20.4704	-5.40	36.83
1739	Shell-Thick	SLU-SISMICA	5.5360	25.9021	-3.81	36.83
1739	Shell-Thick	SLU-SISMICA	6.2492	24.6295	-3.81	35.24
1739	Shell-Thick	SLU-SISMICA	5.4935	19.2425	-5.40	35.24
1739	Shell-Thick	SLE-RARA	2.0817	8.3950	-3.09	15.89
1739	Shell-Thick	SLE-RARA	2.3333	10.7321	-2.22	15.89
1739	Shell-Thick	SLE-RARA	2.7485	10.1485	-2.22	15.02
1739	Shell-Thick	SLE-RARA	2.4637	7.8453	-3.09	15.02
1739	Shell-Thick	SLE-FREQ.	1.8703	7.4639	-2.92	14.28
1739	Shell-Thick	SLE-FREQ.	2.0863	9.5623	-2.09	14.28
1739	Shell-Thick	SLE-FREQ.	2.4785	9.0319	-2.09	13.46
1739	Shell-Thick	SLE-FREQ.	2.2301	6.9664	-2.92	13.46
1739	Shell-Thick	SLE-QP	1.2360	4.6704	-2.38	9.44
1739	Shell-Thick	SLE-QP	1.3454	6.0529	-1.72	9.44
1739	Shell-Thick	SLE-QP	1.6686	5.6819	-1.72	8.78
1739	Shell-Thick	SLE-QP	1.5292	4.3298	-2.38	8.78
1740	Shell-Thick	SLU-STATICA	2.8424	10.8201	-3.54	20.80
1740	Shell-Thick	SLU-STATICA	2.9672	13.8945	-2.54	20.80
1740	Shell-Thick	SLU-STATICA	3.4506	13.1345	-2.54	19.80
1740	Shell-Thick	SLU-STATICA	3.2719	10.1148	-3.54	19.80
1740	Shell-Thick	SLU-SISMICA	4.8017	19.1417	-4.63	35.28
1740	Shell-Thick	SLU-SISMICA	5.1350	24.3691	-3.29	35.28
1740	Shell-Thick	SLU-SISMICA	5.7611	23.1672	-3.29	33.93
1740	Shell-Thick	SLU-SISMICA	5.3637	18.0049	-4.63	33.93
1740	Shell-Thick	SLE-RARA	2.0562	7.7842	-2.63	15.04
1740	Shell-Thick	SLE-RARA	2.1403	10.0065	-1.89	15.04
1740	Shell-Thick	SLE-RARA	2.4995	9.4526	-1.89	14.30
1740	Shell-Thick	SLE-RARA	2.3750	7.2713	-2.63	14.30
1740	Shell-Thick	SLE-FREQ.	1.8445	6.9084	-2.47	13.48
1740	Shell-Thick	SLE-FREQ.	1.9094	8.8990	-1.78	13.48
1740	Shell-Thick	SLE-FREQ.	2.2480	8.3951	-1.78	12.78
1740	Shell-Thick	SLE-FREQ.	2.1445	6.4436	-2.47	12.78
1740	Shell-Thick	SLE-QP	1.2093	4.2809	-2.01	8.79
1740	Shell-Thick	SLE-QP	1.2166	5.5763	-1.46	8.79
1740	Shell-Thick	SLE-QP	1.4935	5.2224	-1.46	8.24
1740	Shell-Thick	SLE-QP	1.4531	3.9605	-2.01	8.24
1741	Shell-Thick	SLU-STATICA	2.6134	10.0348	-2.99	19.85
1741	Shell-Thick	SLU-STATICA	2.8868	12.9701	-2.15	19.85
1741	Shell-Thick	SLU-STATICA	3.2904	12.3131	-2.15	19.01
1741	Shell-Thick	SLU-STATICA	2.9810	9.4144	-2.99	19.01
1741	Shell-Thick	SLU-SISMICA	4.4611	17.9022	-3.93	34.02
1741	Shell-Thick	SLU-SISMICA	5.0300	22.9431	-2.79	34.02
1741	Shell-Thick	SLU-SISMICA	5.5542	21.9094	-2.79	32.88
1741	Shell-Thick	SLU-SISMICA	4.9471	16.9075	-3.93	32.88
1741	Shell-Thick	SLE-RARA	1.8882	7.2118	-2.22	14.34
1741	Shell-Thick	SLE-RARA	2.0807	9.3310	-1.59	14.34
1741	Shell-Thick	SLE-RARA	2.3804	8.8520	-1.59	13.71
1741	Shell-Thick	SLE-RARA	2.1609	6.7603	-2.22	13.71
1741	Shell-Thick	SLE-FREQ.	1.6898	6.3874	-2.09	12.82
1741	Shell-Thick	SLE-FREQ.	1.8533	8.2814	-1.50	12.82
1741	Shell-Thick	SLE-FREQ.	2.1357	7.8451	-1.50	12.23
1741	Shell-Thick	SLE-FREQ.	1.9460	5.9778	-2.09	12.23
1741	Shell-Thick	SLE-QP	1.0946	3.9143	-1.69	8.27
1741	Shell-Thick	SLE-QP	1.1710	5.1323	-1.22	8.27
1741	Shell-Thick	SLE-QP	1.4015	4.8244	-1.22	7.80
1741	Shell-Thick	SLE-QP	1.3015	3.6304	-1.69	7.80
1742	Shell-Thick	SLU-STATICA	2.5347	9.3444	-2.49	19.03
1742	Shell-Thick	SLU-STATICA	2.6698	12.1698	-1.80	19.03
1742	Shell-Thick	SLU-STATICA	3.0129	11.5403	-1.80	18.33
1742	Shell-Thick	SLU-STATICA	2.8357	8.7576	-2.49	18.33
1742	Shell-Thick	SLU-SISMICA	4.3608	16.8166	-3.29	32.91
1742	Shell-Thick	SLU-SISMICA	4.7008	21.7123	-2.35	32.91
1742	Shell-Thick	SLU-SISMICA	5.1498	20.7222	-2.35	31.97

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1742	Shell-Thick	SLU-SISMICA	4.7584	15.8786	-3.29	31.97
1742	Shell-Thick	SLE-RARA	1.8296	6.7083	-1.85	13.73
1742	Shell-Thick	SLE-RARA	1.9218	8.7460	-1.33	13.73
1742	Shell-Thick	SLE-RARA	2.1765	8.2871	-1.33	13.21
1742	Shell-Thick	SLE-RARA	2.0529	6.2812	-1.85	13.21
1742	Shell-Thick	SLE-FREQ.	1.6345	5.9288	-1.74	12.25
1742	Shell-Thick	SLE-FREQ.	1.7075	7.7462	-1.26	12.25
1742	Shell-Thick	SLE-FREQ.	1.9472	7.3282	-1.26	11.76
1742	Shell-Thick	SLE-FREQ.	1.8443	5.5411	-1.74	11.76
1742	Shell-Thick	SLE-QP	1.0489	3.5904	-1.41	7.81
1742	Shell-Thick	SLE-QP	1.0646	4.7466	-1.02	7.81
1742	Shell-Thick	SLE-QP	1.2594	4.4514	-1.02	7.42
1742	Shell-Thick	SLE-QP	1.2184	3.3208	-1.41	7.42
1743	Shell-Thick	SLU-STATICA	2.3349	8.6912	-2.08	18.37
1743	Shell-Thick	SLU-STATICA	2.5781	11.4196	-1.49	18.37
1743	Shell-Thick	SLU-STATICA	2.8613	10.9007	-1.49	17.78
1743	Shell-Thick	SLU-STATICA	2.5883	8.2026	-2.08	17.78
1743	Shell-Thick	SLU-SISMICA	4.0605	15.7897	-2.75	32.02
1743	Shell-Thick	SLU-SISMICA	4.5708	20.5556	-1.96	32.02
1743	Shell-Thick	SLU-SISMICA	4.9414	19.7432	-1.96	31.24
1743	Shell-Thick	SLU-SISMICA	4.3970	15.0120	-2.75	31.24
1743	Shell-Thick	SLE-RARA	1.6833	6.2320	-1.54	13.24
1743	Shell-Thick	SLE-RARA	1.8542	8.1979	-1.11	13.24
1743	Shell-Thick	SLE-RARA	2.0645	7.8193	-1.11	12.80
1743	Shell-Thick	SLE-RARA	1.8711	5.8761	-1.54	12.80
1743	Shell-Thick	SLE-FREQ.	1.4999	5.4949	-1.45	11.79
1743	Shell-Thick	SLE-FREQ.	1.6447	7.2449	-1.04	11.79
1743	Shell-Thick	SLE-FREQ.	1.8426	6.8999	-1.04	11.38
1743	Shell-Thick	SLE-FREQ.	1.6764	5.1716	-1.45	11.38
1743	Shell-Thick	SLE-QP	0.9500	3.2839	-1.17	7.44
1743	Shell-Thick	SLE-QP	1.0163	4.3861	-0.85	7.44
1743	Shell-Thick	SLE-QP	1.1771	4.1414	-0.85	7.12
1743	Shell-Thick	SLE-QP	1.0920	3.0582	-1.17	7.12
1744	Shell-Thick	SLU-STATICA	2.2257	8.1433	-1.71	17.79
1744	Shell-Thick	SLU-STATICA	2.4023	10.7956	-1.23	17.79
1744	Shell-Thick	SLU-STATICA	2.6404	10.3018	-1.23	17.31
1744	Shell-Thick	SLU-STATICA	2.4302	7.6835	-1.71	17.31
1744	Shell-Thick	SLU-SISMICA	3.9021	14.9314	-2.27	31.26
1744	Shell-Thick	SLU-SISMICA	4.3019	19.5968	-1.62	31.26
1744	Shell-Thick	SLU-SISMICA	4.6150	18.8213	-1.62	30.61
1744	Shell-Thick	SLU-SISMICA	4.1725	14.1990	-2.27	30.61
1744	Shell-Thick	SLE-RARA	1.6030	5.8323	-1.27	12.81
1744	Shell-Thick	SLE-RARA	1.7257	7.7418	-0.92	12.81
1744	Shell-Thick	SLE-RARA	1.9024	7.3816	-0.92	12.46
1744	Shell-Thick	SLE-RARA	1.7547	5.4974	-1.27	12.46
1744	Shell-Thick	SLE-FREQ.	1.4257	5.1307	-1.19	11.39
1744	Shell-Thick	SLE-FREQ.	1.5270	6.8276	-0.86	11.39
1744	Shell-Thick	SLE-FREQ.	1.6932	6.4995	-0.86	11.06
1744	Shell-Thick	SLE-FREQ.	1.5682	4.8264	-1.19	11.06
1744	Shell-Thick	SLE-QP	0.8938	3.0257	-0.96	7.12
1744	Shell-Thick	SLE-QP	0.9310	4.0850	-0.70	7.12
1744	Shell-Thick	SLE-QP	1.0656	3.8531	-0.70	6.86
1744	Shell-Thick	SLE-QP	1.0089	2.8134	-0.96	6.86
1745	Shell-Thick	SLU-STATICA	2.0498	7.6284	-1.42	17.34
1745	Shell-Thick	SLU-STATICA	2.3044	10.2136	-1.01	17.34
1745	Shell-Thick	SLU-STATICA	2.4993	9.8126	-1.01	16.94
1745	Shell-Thick	SLU-STATICA	2.2197	7.2526	-1.42	16.94
1745	Shell-Thick	SLU-SISMICA	3.6327	14.1225	-1.87	30.64
1745	Shell-Thick	SLU-SISMICA	4.1549	18.6979	-1.33	30.64
1745	Shell-Thick	SLU-SISMICA	4.4106	18.0702	-1.33	30.10
1745	Shell-Thick	SLU-SISMICA	3.8578	13.5259	-1.87	30.10
1745	Shell-Thick	SLE-RARA	1.4743	5.4568	-1.05	12.47
1745	Shell-Thick	SLE-RARA	1.6540	7.3165	-0.75	12.47
1745	Shell-Thick	SLE-RARA	1.7986	7.0239	-0.75	12.18
1745	Shell-Thick	SLE-RARA	1.6003	5.1830	-1.05	12.18
1745	Shell-Thick	SLE-FREQ.	1.3079	4.7886	-0.99	11.07
1745	Shell-Thick	SLE-FREQ.	1.4611	6.4389	-0.71	11.07
1745	Shell-Thick	SLE-FREQ.	1.5971	6.1721	-0.71	10.79
1745	Shell-Thick	SLE-FREQ.	1.4262	4.5397	-0.99	10.79

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1745	Shell-Thick	SLE-QP	0.8086	2.7839	-0.80	6.87
1745	Shell-Thick	SLE-QP	0.8826	3.8059	-0.57	6.87
1745	Shell-Thick	SLE-QP	0.9929	3.6167	-0.57	6.65
1745	Shell-Thick	SLE-QP	0.9040	2.6097	-0.80	6.65
1746	Shell-Thick	SLU-STATICA	1.9279	7.2031	-1.15	16.94
1746	Shell-Thick	SLU-STATICA	2.1616	9.7362	-0.83	16.94
1746	Shell-Thick	SLU-STATICA	2.3239	9.3551	-0.83	16.62
1746	Shell-Thick	SLU-STATICA	2.0628	6.8498	-1.15	16.62
1746	Shell-Thick	SLU-SISMICA	3.4458	13.4558	-1.52	30.12
1746	Shell-Thick	SLU-SISMICA	3.9336	17.9625	-1.08	30.12
1746	Shell-Thick	SLU-SISMICA	4.1476	17.3623	-1.08	29.68
1746	Shell-Thick	SLU-SISMICA	3.6229	12.8928	-1.52	29.68
1746	Shell-Thick	SLE-RARA	1.3853	5.1465	-0.86	12.18
1746	Shell-Thick	SLE-RARA	1.5496	6.9676	-0.61	12.18
1746	Shell-Thick	SLE-RARA	1.6700	6.6898	-0.61	11.94
1746	Shell-Thick	SLE-RARA	1.4853	4.8893	-0.86	11.94
1746	Shell-Thick	SLE-FREQ.	1.2264	4.5058	-0.80	10.80
1746	Shell-Thick	SLE-FREQ.	1.3658	6.1198	-0.58	10.80
1746	Shell-Thick	SLE-FREQ.	1.4790	5.8668	-0.58	10.57
1746	Shell-Thick	SLE-FREQ.	1.3205	4.2721	-0.80	10.57
1746	Shell-Thick	SLE-QP	0.7497	2.5835	-0.65	6.65
1746	Shell-Thick	SLE-QP	0.8142	3.5762	-0.47	6.65
1746	Shell-Thick	SLE-QP	0.9058	3.3979	-0.47	6.47
1746	Shell-Thick	SLE-QP	0.8260	2.4206	-0.65	6.47
1747	Shell-Thick	SLU-STATICA	1.7733	6.8040	-0.94	16.63
1747	Shell-Thick	SLU-STATICA	2.0615	9.2907	-0.67	16.63
1747	Shell-Thick	SLU-STATICA	2.1929	8.9847	-0.67	16.36
1747	Shell-Thick	SLU-STATICA	1.8835	6.5193	-0.94	16.36
1747	Shell-Thick	SLU-SISMICA	3.2042	12.8264	-1.24	29.69
1747	Shell-Thick	SLU-SISMICA	3.7768	17.2707	-0.87	29.69
1747	Shell-Thick	SLU-SISMICA	3.9495	16.7899	-0.87	29.33
1747	Shell-Thick	SLU-SISMICA	3.3489	12.3739	-1.24	29.33
1747	Shell-Thick	SLE-RARA	1.2724	4.8556	-0.70	11.95
1747	Shell-Thick	SLE-RARA	1.4766	6.6423	-0.50	11.95
1747	Shell-Thick	SLE-RARA	1.5741	6.4191	-0.50	11.75
1747	Shell-Thick	SLE-RARA	1.3542	4.6483	-0.70	11.75
1747	Shell-Thick	SLE-FREQ.	1.1235	4.2409	-0.66	10.58
1747	Shell-Thick	SLE-FREQ.	1.2992	5.8227	-0.47	10.58
1747	Shell-Thick	SLE-FREQ.	1.3909	5.6194	-0.47	10.39
1747	Shell-Thick	SLE-FREQ.	1.2004	4.0525	-0.66	10.39
1747	Shell-Thick	SLE-QP	0.6766	2.3969	-0.53	6.48
1747	Shell-Thick	SLE-QP	0.7671	3.3640	-0.38	6.48
1747	Shell-Thick	SLE-QP	0.8414	3.2203	-0.38	6.33
1747	Shell-Thick	SLE-QP	0.7390	2.2653	-0.53	6.33
1748	Shell-Thick	SLU-STATICA	1.6430	6.4770	-0.75	16.36
1748	Shell-Thick	SLU-STATICA	1.9427	8.9288	-0.53	16.36
1748	Shell-Thick	SLU-STATICA	2.0512	8.6340	-0.53	16.14
1748	Shell-Thick	SLU-STATICA	1.7277	6.2061	-0.75	16.14
1748	Shell-Thick	SLU-SISMICA	2.9957	12.3114	-0.99	29.33
1748	Shell-Thick	SLU-SISMICA	3.5900	16.7097	-0.69	29.33
1748	Shell-Thick	SLU-SISMICA	3.7331	16.2408	-0.69	29.04
1748	Shell-Thick	SLU-SISMICA	3.1052	11.8765	-0.99	29.04
1748	Shell-Thick	SLE-RARA	1.1776	4.6172	-0.56	11.75
1748	Shell-Thick	SLE-RARA	1.3900	6.3780	-0.40	11.75
1748	Shell-Thick	SLE-RARA	1.4704	6.1633	-0.40	11.59
1748	Shell-Thick	SLE-RARA	1.2405	4.4201	-0.56	11.59
1748	Shell-Thick	SLE-FREQ.	1.0374	4.0239	-0.53	10.40
1748	Shell-Thick	SLE-FREQ.	1.2204	5.5813	-0.37	10.40
1748	Shell-Thick	SLE-FREQ.	1.2960	5.3862	-0.37	10.24
1748	Shell-Thick	SLE-FREQ.	1.0968	3.8451	-0.53	10.24
1748	Shell-Thick	SLE-QP	0.6168	2.2439	-0.43	6.33
1748	Shell-Thick	SLE-QP	0.7114	3.1912	-0.30	6.33
1748	Shell-Thick	SLE-QP	0.7725	3.0549	-0.30	6.21
1748	Shell-Thick	SLE-QP	0.6654	2.1201	-0.43	6.21
1749	Shell-Thick	SLU-STATICA	1.4969	6.1653	-0.60	16.15
1749	Shell-Thick	SLU-STATICA	1.8340	8.5852	-0.42	16.15
1749	Shell-Thick	SLU-STATICA	1.9203	8.3570	-0.42	15.97
1749	Shell-Thick	SLU-STATICA	1.5644	5.9560	-0.60	15.97
1749	Shell-Thick	SLU-SISMICA	2.7603	11.8146	-0.79	29.04

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1749	Shell-Thick	SLU-SISMICA	3.4122	16.1695	-0.54	29.04
1749	Shell-Thick	SLU-SISMICA	3.5257	15.8078	-0.54	28.80
1749	Shell-Thick	SLU-SISMICA	2.8472	11.4798	-0.79	28.80
1749	Shell-Thick	SLE-RARA	1.0713	4.3902	-0.45	11.59
1749	Shell-Thick	SLE-RARA	1.3111	6.1275	-0.31	11.59
1749	Shell-Thick	SLE-RARA	1.3751	5.9612	-0.31	11.46
1749	Shell-Thick	SLE-RARA	1.1215	4.2379	-0.45	11.46
1749	Shell-Thick	SLE-FREQ.	0.9411	3.8177	-0.42	10.25
1749	Shell-Thick	SLE-FREQ.	1.1491	5.3531	-0.30	10.25
1749	Shell-Thick	SLE-FREQ.	1.2092	5.2019	-0.30	10.12
1749	Shell-Thick	SLE-FREQ.	0.9884	3.6794	-0.42	10.12
1749	Shell-Thick	SLE-QP	0.5503	2.1002	-0.34	6.21
1749	Shell-Thick	SLE-QP	0.6630	3.0300	-0.24	6.21
1749	Shell-Thick	SLE-QP	0.7117	2.9240	-0.24	6.11
1749	Shell-Thick	SLE-QP	0.5892	2.0041	-0.34	6.11
1750	Shell-Thick	SLU-STATICA	1.3416	5.9155	-0.47	15.97
1750	Shell-Thick	SLU-STATICA	1.7208	8.3131	-0.32	15.97
1750	Shell-Thick	SLU-STATICA	1.7911	8.0841	-0.32	15.83
1750	Shell-Thick	SLU-STATICA	1.3901	5.7085	-0.47	15.83
1750	Shell-Thick	SLU-SISMICA	2.5003	11.4163	-0.61	28.80
1750	Shell-Thick	SLU-SISMICA	3.2273	15.7422	-0.41	28.80
1750	Shell-Thick	SLU-SISMICA	3.3207	15.3713	-0.41	28.61
1750	Shell-Thick	SLU-SISMICA	2.5604	11.0790	-0.61	28.61
1750	Shell-Thick	SLE-RARA	0.9589	4.2083	-0.35	11.46
1750	Shell-Thick	SLE-RARA	1.2289	5.9290	-0.24	11.46
1750	Shell-Thick	SLE-RARA	1.2810	5.7625	-0.24	11.35
1750	Shell-Thick	SLE-RARA	0.9950	4.0580	-0.35	11.35
1750	Shell-Thick	SLE-FREQ.	0.8400	3.6525	-0.33	10.12
1750	Shell-Thick	SLE-FREQ.	1.0747	5.1723	-0.23	10.12
1750	Shell-Thick	SLE-FREQ.	1.1237	5.0216	-0.23	10.02
1750	Shell-Thick	SLE-FREQ.	0.8743	3.5166	-0.33	10.02
1750	Shell-Thick	SLE-QP	0.4834	1.9850	-0.27	6.11
1750	Shell-Thick	SLE-QP	0.6124	2.9021	-0.19	6.11
1750	Shell-Thick	SLE-QP	0.6518	2.7987	-0.19	6.03
1750	Shell-Thick	SLE-QP	0.5121	1.8923	-0.27	6.03
1751	Shell-Thick	SLU-STATICA	1.1666	5.6641	-0.36	15.82
1751	Shell-Thick	SLU-STATICA	1.5721	8.0399	-0.25	15.82
1751	Shell-Thick	SLU-STATICA	1.6263	7.8978	-0.25	15.71
1751	Shell-Thick	SLU-STATICA	1.2036	5.5394	-0.36	15.71
1751	Shell-Thick	SLU-SISMICA	2.2032	11.0066	-0.47	28.60
1751	Shell-Thick	SLU-SISMICA	2.9705	15.3022	-0.32	28.60
1751	Shell-Thick	SLU-SISMICA	3.0427	15.0778	-0.32	28.45
1751	Shell-Thick	SLU-SISMICA	2.2490	10.8087	-0.47	28.45
1751	Shell-Thick	SLE-RARA	0.8323	4.0258	-0.27	11.35
1751	Shell-Thick	SLE-RARA	1.1216	5.7303	-0.18	11.35
1751	Shell-Thick	SLE-RARA	1.1618	5.6268	-0.18	11.27
1751	Shell-Thick	SLE-RARA	0.8599	3.9349	-0.27	11.27
1751	Shell-Thick	SLE-FREQ.	0.7266	3.4874	-0.25	10.02
1751	Shell-Thick	SLE-FREQ.	0.9790	4.9922	-0.17	10.02
1751	Shell-Thick	SLE-FREQ.	1.0167	4.8980	-0.17	9.95
1751	Shell-Thick	SLE-FREQ.	0.7528	3.4048	-0.25	9.95
1751	Shell-Thick	SLE-QP	0.4095	1.8725	-0.21	6.03
1751	Shell-Thick	SLE-QP	0.5512	2.7779	-0.14	6.03
1751	Shell-Thick	SLE-QP	0.5816	2.7116	-0.14	5.97
1751	Shell-Thick	SLE-QP	0.4315	1.8146	-0.21	5.97
1752	Shell-Thick	SLU-STATICA	0.9362	5.4880	-0.26	15.71
1752	Shell-Thick	SLU-STATICA	1.4042	7.8512	-0.18	15.71
1752	Shell-Thick	SLU-STATICA	1.4476	7.7070	-0.18	15.63
1752	Shell-Thick	SLU-STATICA	0.9585	5.3648	-0.26	15.63
1752	Shell-Thick	SLU-SISMICA	1.7963	10.7214	-0.34	28.45
1752	Shell-Thick	SLU-SISMICA	2.6752	15.0010	-0.23	28.45
1752	Shell-Thick	SLU-SISMICA	2.7343	14.7682	-0.23	28.34
1752	Shell-Thick	SLU-SISMICA	1.8215	10.5225	-0.34	28.34
1752	Shell-Thick	SLE-RARA	0.6665	3.8978	-0.19	11.27
1752	Shell-Thick	SLE-RARA	1.0007	5.5930	-0.13	11.27
1752	Shell-Thick	SLE-RARA	1.0328	5.4881	-0.13	11.21
1752	Shell-Thick	SLE-RARA	0.6833	3.8082	-0.19	11.21
1752	Shell-Thick	SLE-FREQ.	0.5794	3.3716	-0.18	9.95
1752	Shell-Thick	SLE-FREQ.	0.8716	4.8675	-0.13	9.95

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1752	Shell-Thick	SLE-FREQ.	0.9016	4.7724	-0.13	9.89
1752	Shell-Thick	SLE-FREQ.	0.5956	3.2904	-0.18	9.89
1752	Shell-Thick	SLE-QP	0.3180	1.7930	-0.15	5.97
1752	Shell-Thick	SLE-QP	0.4842	2.6910	-0.10	5.97
1752	Shell-Thick	SLE-QP	0.5079	2.6256	-0.10	5.93
1752	Shell-Thick	SLE-QP	0.3322	1.7371	-0.15	5.93
1753	Shell-Thick	SLU-STATICA	0.6468	5.2950	-0.18	15.62
1753	Shell-Thick	SLU-STATICA	1.0975	7.6444	-0.14	15.62
1753	Shell-Thick	SLU-STATICA	1.1287	7.7214	-0.14	15.58
1753	Shell-Thick	SLU-STATICA	0.6635	5.3864	-0.18	15.58
1753	Shell-Thick	SLU-SISMICA	1.2741	10.3987	-0.23	28.32
1753	Shell-Thick	SLU-SISMICA	2.1147	14.6586	-0.19	28.32
1753	Shell-Thick	SLU-SISMICA	2.1579	14.8214	-0.19	28.28
1753	Shell-Thick	SLU-SISMICA	1.2941	10.5848	-0.23	28.28
1753	Shell-Thick	SLE-RARA	0.4588	3.7580	-0.13	11.20
1753	Shell-Thick	SLE-RARA	0.7810	5.4430	-0.10	11.20
1753	Shell-Thick	SLE-RARA	0.8040	5.4970	-0.10	11.17
1753	Shell-Thick	SLE-RARA	0.4713	3.8225	-0.13	11.17
1753	Shell-Thick	SLE-FREQ.	0.3960	3.2459	-0.13	9.88
1753	Shell-Thick	SLE-FREQ.	0.6781	4.7324	-9.691E-02	9.88
1753	Shell-Thick	SLE-FREQ.	0.6996	4.7780	-9.691E-02	9.86
1753	Shell-Thick	SLE-FREQ.	0.4079	3.3011	-0.13	9.86
1753	Shell-Thick	SLE-QP	0.2073	1.7096	-0.10	5.92
1753	Shell-Thick	SLE-QP	0.3696	2.6004	-7.742E-02	5.92
1753	Shell-Thick	SLE-QP	0.3863	2.6209	-7.742E-02	5.90
1753	Shell-Thick	SLE-QP	0.2175	1.7367	-0.10	5.90
1754	Shell-Thick	SLU-STATICA	0.3644	5.3054	-9.651E-02	15.56
1754	Shell-Thick	SLU-STATICA	0.6375	7.6444	-4.255E-02	15.56
1754	Shell-Thick	SLU-STATICA	0.6556	7.6993	-4.255E-02	15.50
1754	Shell-Thick	SLU-STATICA	0.3672	5.3756	-9.651E-02	15.50
1754	Shell-Thick	SLU-SISMICA	0.7428	10.4358	-0.12	28.23
1754	Shell-Thick	SLU-SISMICA	1.2579	14.6801	-4.123E-02	28.23
1754	Shell-Thick	SLU-SISMICA	1.2829	14.8114	-4.123E-02	28.15
1754	Shell-Thick	SLU-SISMICA	0.7425	10.5924	-0.12	28.15
1754	Shell-Thick	SLE-RARA	0.2573	3.7645	-7.178E-02	11.16
1754	Shell-Thick	SLE-RARA	0.4522	5.4419	-3.230E-02	11.16
1754	Shell-Thick	SLE-RARA	0.4655	5.4797	-3.230E-02	11.12
1754	Shell-Thick	SLE-RARA	0.2596	3.8134	-7.178E-02	11.12
1754	Shell-Thick	SLE-FREQ.	0.2198	3.2501	-6.778E-02	9.84
1754	Shell-Thick	SLE-FREQ.	0.3900	4.7295	-3.162E-02	9.84
1754	Shell-Thick	SLE-FREQ.	0.4025	4.7601	-3.162E-02	9.80
1754	Shell-Thick	SLE-FREQ.	0.2223	3.2906	-6.778E-02	9.80
1754	Shell-Thick	SLE-QP	0.1075	1.7067	-5.579E-02	5.89
1754	Shell-Thick	SLE-QP	0.2036	2.5923	-2.955E-02	5.89
1754	Shell-Thick	SLE-QP	0.2133	2.6013	-2.955E-02	5.86
1754	Shell-Thick	SLE-QP	0.1106	1.7224	-5.579E-02	5.86
1755	Shell-Thick	SLU-STATICA	0.0533	5.3041	-4.060E-02	15.49
1755	Shell-Thick	SLU-STATICA	0.2696	7.6307	-1.482E-02	15.49
1755	Shell-Thick	SLU-STATICA	0.2773	7.8264	-1.482E-02	15.47
1755	Shell-Thick	SLU-STATICA	0.0531	5.5059	-4.060E-02	15.47
1755	Shell-Thick	SLU-SISMICA	0.1343	10.4539	-5.736E-02	28.13
1755	Shell-Thick	SLU-SISMICA	0.5290	14.6775	-1.565E-02	28.13
1755	Shell-Thick	SLU-SISMICA	0.5403	15.0765	-1.565E-02	28.09
1755	Shell-Thick	SLU-SISMICA	0.1330	10.8623	-5.736E-02	28.09
1755	Shell-Thick	SLE-RARA	0.0364	3.7626	-2.993E-02	11.11
1755	Shell-Thick	SLE-RARA	0.1913	5.4310	-1.119E-02	11.11
1755	Shell-Thick	SLE-RARA	0.1970	5.5692	-1.119E-02	11.09
1755	Shell-Thick	SLE-RARA	0.0363	3.9051	-2.993E-02	11.09
1755	Shell-Thick	SLE-FREQ.	0.0288	3.2466	-2.781E-02	9.80
1755	Shell-Thick	SLE-FREQ.	0.1653	4.7180	-1.084E-02	9.80
1755	Shell-Thick	SLE-FREQ.	0.1706	4.8360	-1.084E-02	9.78
1755	Shell-Thick	SLE-FREQ.	0.0288	3.3686	-2.781E-02	9.78
1755	Shell-Thick	SLE-QP	0.0061	1.6986	-2.147E-02	5.86
1755	Shell-Thick	SLE-QP	0.0872	2.5789	-9.814E-03	5.86
1755	Shell-Thick	SLE-QP	0.0912	2.6366	-9.814E-03	5.85
1755	Shell-Thick	SLE-QP	0.0064	1.7592	-2.147E-02	5.85
1756	Shell-Thick	SLU-STATICA	10.3712	1.1436	47.83	-1.10
1756	Shell-Thick	SLU-STATICA	6.5088	2.2324	35.98	-1.10
1756	Shell-Thick	SLU-STATICA	0.5871	1.3534	35.98	10.75

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1756	Shell-Thick	SLU-STATICA	3.7107	0.9946	47.83	10.75
1756	Shell-Thick	SLU-SISMICA	11.4968	1.1419	54.72	-1.38
1756	Shell-Thick	SLU-SISMICA	6.9313	2.5437	40.42	-1.38
1756	Shell-Thick	SLU-SISMICA	0.3306	1.7158	40.42	12.92
1756	Shell-Thick	SLU-SISMICA	3.8142	1.3852	54.72	12.92
1756	Shell-Thick	SLE-RARA	7.8025	0.8666	35.90	-0.82
1756	Shell-Thick	SLE-RARA	4.9109	1.6761	27.04	-0.82
1756	Shell-Thick	SLE-RARA	0.4577	1.0075	27.04	8.03
1756	Shell-Thick	SLE-RARA	2.8066	0.7341	35.90	8.03
1756	Shell-Thick	SLE-FREQ.	7.5176	0.8454	34.45	-0.78
1756	Shell-Thick	SLE-FREQ.	4.7551	1.6092	26.01	-0.78
1756	Shell-Thick	SLE-FREQ.	0.4675	0.9529	26.01	7.66
1756	Shell-Thick	SLE-FREQ.	2.7288	0.6839	34.45	7.66
1756	Shell-Thick	SLE-QP	6.6630	0.7817	30.09	-0.65
1756	Shell-Thick	SLE-QP	4.2877	1.4085	22.92	-0.65
1756	Shell-Thick	SLE-QP	0.4969	0.7890	22.92	6.53
1756	Shell-Thick	SLE-QP	2.4957	0.5333	30.09	6.53
1757	Shell-Thick	SLU-STATICA	8.1883	0.9020	38.38	9.56
1757	Shell-Thick	SLU-STATICA	5.7488	3.3738	27.24	9.56
1757	Shell-Thick	SLU-STATICA	1.0268	3.0704	27.24	20.71
1757	Shell-Thick	SLU-STATICA	3.0586	0.9980	38.38	20.71
1757	Shell-Thick	SLU-SISMICA	10.3823	1.3773	45.06	11.33
1757	Shell-Thick	SLU-SISMICA	7.0966	4.3906	31.58	11.33
1757	Shell-Thick	SLU-SISMICA	1.6493	4.2653	31.58	24.81
1757	Shell-Thick	SLU-SISMICA	4.3234	1.8535	45.06	24.81
1757	Shell-Thick	SLE-RARA	6.0952	0.6598	28.75	7.16
1757	Shell-Thick	SLE-RARA	4.2889	2.5058	20.42	7.16
1757	Shell-Thick	SLE-RARA	0.7470	2.2670	20.42	15.49
1757	Shell-Thick	SLE-RARA	2.2546	0.7136	28.75	15.49
1757	Shell-Thick	SLE-FREQ.	5.7646	0.6045	27.49	6.84
1757	Shell-Thick	SLE-FREQ.	4.0724	2.3605	19.56	6.84
1757	Shell-Thick	SLE-FREQ.	0.6774	2.1130	19.56	14.77
1757	Shell-Thick	SLE-FREQ.	2.0950	0.6257	27.49	14.77
1757	Shell-Thick	SLE-QP	4.7728	0.4385	23.72	5.87
1757	Shell-Thick	SLE-QP	3.4228	1.9244	16.98	5.87
1757	Shell-Thick	SLE-QP	0.4687	1.6507	16.98	12.61
1757	Shell-Thick	SLE-QP	1.6164	0.3620	23.72	12.61
1758	Shell-Thick	SLU-STATICA	6.6393	0.8008	30.61	19.62
1758	Shell-Thick	SLU-STATICA	4.8117	4.7408	20.95	19.62
1758	Shell-Thick	SLU-STATICA	1.2157	6.2477	20.95	29.27
1758	Shell-Thick	SLU-STATICA	2.4949	2.8490	30.61	29.27
1758	Shell-Thick	SLU-SISMICA	9.3816	1.6474	36.83	23.35
1758	Shell-Thick	SLU-SISMICA	6.4979	6.4528	25.02	23.35
1758	Shell-Thick	SLU-SISMICA	2.2737	8.8885	25.02	35.16
1758	Shell-Thick	SLU-SISMICA	4.3205	4.9110	36.83	35.16
1758	Shell-Thick	SLE-RARA	4.8942	0.5646	22.88	14.68
1758	Shell-Thick	SLE-RARA	3.5620	3.5069	15.68	14.68
1758	Shell-Thick	SLE-RARA	0.8685	4.6025	15.68	21.88
1758	Shell-Thick	SLE-RARA	1.7995	2.0560	22.88	21.88
1758	Shell-Thick	SLE-FREQ.	4.5482	0.4811	21.81	14.01
1758	Shell-Thick	SLE-FREQ.	3.3356	3.2798	14.95	14.01
1758	Shell-Thick	SLE-FREQ.	0.7601	4.2721	14.95	20.86
1758	Shell-Thick	SLE-FREQ.	1.6051	1.8359	21.81	20.86
1758	Shell-Thick	SLE-QP	3.5101	0.2307	18.58	12.00
1758	Shell-Thick	SLE-QP	2.6564	2.5983	12.79	12.00
1758	Shell-Thick	SLE-QP	0.4350	3.2806	12.79	17.79
1758	Shell-Thick	SLE-QP	1.0219	1.1754	18.58	17.79
1759	Shell-Thick	SLU-STATICA	4.8406	2.6234	24.58	28.44
1759	Shell-Thick	SLU-STATICA	4.5617	7.6117	16.43	28.44
1759	Shell-Thick	SLU-STATICA	1.5931	9.0484	16.43	36.59
1759	Shell-Thick	SLU-STATICA	1.6512	4.2750	24.58	36.59
1759	Shell-Thick	SLU-SISMICA	7.4692	4.6189	30.40	34.05
1759	Shell-Thick	SLU-SISMICA	6.5647	10.6685	20.21	34.05
1759	Shell-Thick	SLU-SISMICA	2.9432	12.8982	20.21	44.23
1759	Shell-Thick	SLU-SISMICA	3.4928	7.1960	30.40	44.23
1759	Shell-Thick	SLE-RARA	3.5370	1.8884	18.34	21.27
1759	Shell-Thick	SLE-RARA	3.3567	5.6153	12.26	21.27
1759	Shell-Thick	SLE-RARA	1.1399	6.6645	12.26	27.34
1759	Shell-Thick	SLE-RARA	1.1594	3.0938	18.34	27.34



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1759	Shell-Thick	SLE-FREQ.	3.2337	1.6779	17.41	20.28
1759	Shell-Thick	SLE-FREQ.	3.1094	5.2257	11.65	20.28
1759	Shell-Thick	SLE-FREQ.	1.0009	6.1838	11.65	26.04
1759	Shell-Thick	SLE-FREQ.	0.9795	2.7775	17.41	26.04
1759	Shell-Thick	SLE-QP	2.3241	1.0462	14.62	17.33
1759	Shell-Thick	SLE-QP	2.3673	4.0567	9.81	17.33
1759	Shell-Thick	SLE-QP	0.5837	4.7417	9.81	22.13
1759	Shell-Thick	SLE-QP	0.4397	1.8285	14.62	22.13
1760	Shell-Thick	SLU-STATICA	4.0113	4.1058	19.38	35.82
1760	Shell-Thick	SLU-STATICA	3.8958	10.1502	12.80	35.82
1760	Shell-Thick	SLU-STATICA	1.6555	12.7753	12.80	42.41
1760	Shell-Thick	SLU-STATICA	1.4217	7.0752	19.38	42.41
1760	Shell-Thick	SLU-SISMICA	6.6487	6.9553	24.60	43.19
1760	Shell-Thick	SLU-SISMICA	5.7980	14.3410	16.21	43.19
1760	Shell-Thick	SLU-SISMICA	3.0090	18.2767	16.21	51.59
1760	Shell-Thick	SLU-SISMICA	3.3111	11.4332	24.60	51.59
1760	Shell-Thick	SLE-RARA	2.9081	2.9691	14.42	26.78
1760	Shell-Thick	SLE-RARA	2.8572	7.4824	9.53	26.78
1760	Shell-Thick	SLE-RARA	1.1870	9.4062	9.53	31.68
1760	Shell-Thick	SLE-RARA	0.9831	5.1440	14.42	31.68
1760	Shell-Thick	SLE-FREQ.	2.6197	2.6618	13.64	25.51
1760	Shell-Thick	SLE-FREQ.	2.6305	6.9535	9.01	25.51
1760	Shell-Thick	SLE-FREQ.	1.0465	8.7222	9.01	30.14
1760	Shell-Thick	SLE-FREQ.	0.8036	4.6590	13.64	30.14
1760	Shell-Thick	SLE-QP	1.7543	1.7396	11.28	21.72
1760	Shell-Thick	SLE-QP	1.9501	5.3668	7.47	21.72
1760	Shell-Thick	SLE-QP	0.6250	6.6701	7.47	25.53
1760	Shell-Thick	SLE-QP	0.2651	3.2041	11.28	25.53
1761	Shell-Thick	SLU-STATICA	2.6145	6.9353	15.17	41.95
1761	Shell-Thick	SLU-STATICA	4.1933	13.6613	9.84	41.95
1761	Shell-Thick	SLU-STATICA	2.3451	16.0254	9.84	47.29
1761	Shell-Thick	SLU-STATICA	0.7076	9.3539	15.17	47.29
1761	Shell-Thick	SLU-SISMICA	4.7601	11.2183	19.93	50.98
1761	Shell-Thick	SLU-SISMICA	6.3536	19.4504	12.93	50.98
1761	Shell-Thick	SLU-SISMICA	3.9424	22.9655	12.93	57.99
1761	Shell-Thick	SLU-SISMICA	2.2383	14.8389	19.93	57.99
1761	Shell-Thick	SLE-RARA	1.8742	5.0417	11.26	31.34
1761	Shell-Thick	SLE-RARA	3.0698	10.0633	7.30	31.34
1761	Shell-Thick	SLE-RARA	1.6974	11.7972	7.30	35.30
1761	Shell-Thick	SLE-RARA	0.4599	6.8145	11.26	35.30
1761	Shell-Thick	SLE-FREQ.	1.6516	4.5654	10.59	29.83
1761	Shell-Thick	SLE-FREQ.	2.8166	9.3394	6.87	29.83
1761	Shell-Thick	SLE-FREQ.	1.5243	10.9360	6.87	33.55
1761	Shell-Thick	SLE-FREQ.	0.3228	6.1957	10.59	33.55
1761	Shell-Thick	SLE-QP	0.9840	3.1365	8.59	25.28
1761	Shell-Thick	SLE-QP	2.0570	7.1678	5.57	25.28
1761	Shell-Thick	SLE-QP	1.0049	8.3524	5.57	28.30
1761	Shell-Thick	SLE-QP	-0.0886	4.3394	8.59	28.30
1762	Shell-Thick	SLU-STATICA	2.5237	9.2994	11.51	46.80
1762	Shell-Thick	SLU-STATICA	3.7612	16.7264	7.35	46.80
1762	Shell-Thick	SLU-STATICA	2.4360	19.6579	7.35	50.96
1762	Shell-Thick	SLU-STATICA	1.0169	12.4093	11.51	50.96
1762	Shell-Thick	SLU-SISMICA	4.6862	14.7442	15.73	57.29
1762	Shell-Thick	SLU-SISMICA	5.7485	23.9110	10.09	57.29
1762	Shell-Thick	SLU-SISMICA	3.9541	28.2711	10.09	62.94
1762	Shell-Thick	SLU-SISMICA	2.6040	19.3879	15.73	62.94
1762	Shell-Thick	SLE-RARA	1.8046	6.7752	8.51	34.94
1762	Shell-Thick	SLE-RARA	2.7510	12.3162	5.43	34.94
1762	Shell-Thick	SLE-RARA	1.7702	14.4663	5.43	38.02
1762	Shell-Thick	SLE-RARA	0.6915	9.0553	8.51	38.02
1762	Shell-Thick	SLE-FREQ.	1.5824	6.1607	7.96	33.21
1762	Shell-Thick	SLE-FREQ.	2.5199	11.4221	5.07	33.21
1762	Shell-Thick	SLE-FREQ.	1.6018	13.4018	5.07	36.10
1762	Shell-Thick	SLE-FREQ.	0.5440	8.2585	7.96	36.10
1762	Shell-Thick	SLE-QP	0.9157	4.3171	6.29	28.04
1762	Shell-Thick	SLE-QP	1.8265	8.7398	4.00	28.04
1762	Shell-Thick	SLE-QP	1.0965	10.2082	4.00	30.33
1762	Shell-Thick	SLE-QP	0.1015	5.8681	6.29	30.33
1763	Shell-Thick	SLU-STATICA	1.7109	12.3830	8.63	50.76



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1763	Shell-Thick	SLU-STATICA	4.4227	20.2202	5.38	50.76
1763	Shell-Thick	SLU-STATICA	3.3453	22.7991	5.38	54.01
1763	Shell-Thick	SLU-STATICA	0.6857	14.9072	8.63	54.01
1763	Shell-Thick	SLU-SISMICA	3.4563	19.3354	12.41	62.67
1763	Shell-Thick	SLU-SISMICA	6.7419	29.0517	7.82	62.67
1763	Shell-Thick	SLU-SISMICA	5.1887	32.9033	7.82	67.26
1763	Shell-Thick	SLU-SISMICA	1.9737	23.1130	12.41	67.26
1763	Shell-Thick	SLE-RARA	1.2094	9.0367	6.35	37.87
1763	Shell-Thick	SLE-RARA	3.2357	14.8816	3.96	37.87
1763	Shell-Thick	SLE-RARA	2.4430	16.7723	3.96	40.26
1763	Shell-Thick	SLE-RARA	0.4554	10.8869	6.35	40.26
1763	Shell-Thick	SLE-FREQ.	1.0362	8.2425	5.88	35.96
1763	Shell-Thick	SLE-FREQ.	2.9653	13.7889	3.66	35.96
1763	Shell-Thick	SLE-FREQ.	2.2313	15.5284	3.66	38.18
1763	Shell-Thick	SLE-FREQ.	0.3383	9.9441	5.88	38.18
1763	Shell-Thick	SLE-QP	0.5164	5.8600	4.48	30.22
1763	Shell-Thick	SLE-QP	2.1542	10.5108	2.76	30.22
1763	Shell-Thick	SLE-QP	1.5961	11.7967	2.76	31.94
1763	Shell-Thick	SLE-QP	-0.0129	7.1158	4.48	31.94
1764	Shell-Thick	SLU-STATICA	2.2026	14.9536	6.17	53.71
1764	Shell-Thick	SLU-STATICA	4.2243	23.2320	3.73	53.71
1764	Shell-Thick	SLU-STATICA	3.5141	25.9573	3.73	56.15
1764	Shell-Thick	SLU-STATICA	1.4268	17.7426	6.17	56.15
1764	Shell-Thick	SLU-SISMICA	4.1367	23.1729	9.50	66.83
1764	Shell-Thick	SLU-SISMICA	6.4376	33.5258	5.86	66.83
1764	Shell-Thick	SLU-SISMICA	5.3319	37.6248	5.86	70.47
1764	Shell-Thick	SLU-SISMICA	2.9354	27.3648	9.50	70.47
1764	Shell-Thick	SLE-RARA	1.5726	10.9214	4.51	40.05
1764	Shell-Thick	SLE-RARA	3.0906	17.0909	2.72	40.05
1764	Shell-Thick	SLE-RARA	2.5722	19.0875	2.72	41.83
1764	Shell-Thick	SLE-RARA	1.0060	12.9648	4.51	41.83
1764	Shell-Thick	SLE-FREQ.	1.3749	9.9766	4.12	37.98
1764	Shell-Thick	SLE-FREQ.	2.8325	15.8235	2.48	37.98
1764	Shell-Thick	SLE-FREQ.	2.3594	17.6580	2.48	39.63
1764	Shell-Thick	SLE-FREQ.	0.8572	11.8544	4.12	39.63
1764	Shell-Thick	SLE-QP	0.7817	7.1423	2.97	31.78
1764	Shell-Thick	SLE-QP	2.0583	12.0215	1.75	31.78
1764	Shell-Thick	SLE-QP	1.7209	13.3696	1.75	33.00
1764	Shell-Thick	SLE-QP	0.4109	8.5231	2.97	33.00
1765	Shell-Thick	SLU-STATICA	1.8827	17.7980	4.22	56.11
1765	Shell-Thick	SLU-STATICA	5.0509	26.3005	2.43	56.11
1765	Shell-Thick	SLU-STATICA	4.4962	28.6937	2.43	57.90
1765	Shell-Thick	SLU-STATICA	1.4382	20.0798	4.22	57.90
1765	Shell-Thick	SLU-SISMICA	3.5905	27.4446	7.19	70.42
1765	Shell-Thick	SLU-SISMICA	7.6619	38.1421	4.32	70.42
1765	Shell-Thick	SLU-SISMICA	6.7092	41.7795	4.32	73.29
1765	Shell-Thick	SLU-SISMICA	2.8152	30.9023	7.19	73.29
1765	Shell-Thick	SLE-RARA	1.3415	13.0056	3.05	41.80
1765	Shell-Thick	SLE-RARA	3.6972	19.3388	1.75	41.80
1765	Shell-Thick	SLE-RARA	3.2967	21.0903	1.75	43.11
1765	Shell-Thick	SLE-RARA	1.0211	14.6760	3.05	43.11
1765	Shell-Thick	SLE-FREQ.	1.1681	11.8922	2.73	39.60
1765	Shell-Thick	SLE-FREQ.	3.3915	17.8889	1.55	39.60
1765	Shell-Thick	SLE-FREQ.	3.0335	19.4949	1.55	40.78
1765	Shell-Thick	SLE-FREQ.	0.8828	13.4247	2.73	40.78
1765	Shell-Thick	SLE-QP	0.6479	8.5519	1.78	32.98
1765	Shell-Thick	SLE-QP	2.4743	13.5389	0.96	32.98
1765	Shell-Thick	SLE-QP	2.2441	14.7087	0.96	33.80
1765	Shell-Thick	SLE-QP	0.4677	9.6709	1.78	33.80
1766	Shell-Thick	SLU-STATICA	2.6566	20.1794	2.61	57.74
1766	Shell-Thick	SLU-STATICA	5.0121	28.9410	1.35	57.74
1766	Shell-Thick	SLU-STATICA	4.7145	31.2575	1.35	58.99
1766	Shell-Thick	SLU-STATICA	2.3595	22.4944	2.61	58.99
1766	Shell-Thick	SLU-SISMICA	4.6743	31.0551	5.23	73.05
1766	Shell-Thick	SLU-SISMICA	7.5984	42.1764	3.00	73.05
1766	Shell-Thick	SLU-SISMICA	6.9690	45.7328	3.00	75.28
1766	Shell-Thick	SLU-SISMICA	4.0680	34.5866	5.23	75.28
1766	Shell-Thick	SLE-RARA	1.9125	14.7488	1.84	42.99
1766	Shell-Thick	SLE-RARA	3.6690	21.2702	0.94	42.99

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1766	Shell-Thick	SLE-RARA	3.4600	22.9637	0.94	43.89
1766	Shell-Thick	SLE-RARA	1.7027	16.4424	1.84	43.89
1766	Shell-Thick	SLE-FREQ.	1.6995	13.4914	1.58	40.67
1766	Shell-Thick	SLE-FREQ.	3.3659	19.6581	0.79	40.67
1766	Shell-Thick	SLE-FREQ.	3.1894	21.2079	0.79	41.47
1766	Shell-Thick	SLE-FREQ.	1.5203	15.0432	1.58	41.47
1766	Shell-Thick	SLE-QP	1.0606	9.7191	0.80	33.72
1766	Shell-Thick	SLE-QP	2.4569	14.8217	0.31	33.72
1766	Shell-Thick	SLE-QP	2.3777	15.9406	0.31	34.21
1766	Shell-Thick	SLE-QP	0.9732	10.8458	0.80	34.21
1767	Shell-Thick	SLU-STATICA	2.6285	22.5848	1.33	59.04
1767	Shell-Thick	SLU-STATICA	5.8341	31.4448	0.53	59.04
1767	Shell-Thick	SLU-STATICA	5.6313	33.4766	0.53	59.84
1767	Shell-Thick	SLU-STATICA	2.5525	24.4891	1.33	59.84
1767	Shell-Thick	SLU-SISMICA	4.5657	34.7326	3.66	75.34
1767	Shell-Thick	SLU-SISMICA	8.8252	46.0576	1.98	75.34
1767	Shell-Thick	SLU-SISMICA	8.2913	49.2204	1.98	77.02
1767	Shell-Thick	SLU-SISMICA	4.2534	37.6726	3.66	77.02
1767	Shell-Thick	SLE-RARA	1.8952	16.5081	0.89	43.92
1767	Shell-Thick	SLE-RARA	4.2717	23.0989	0.33	43.92
1767	Shell-Thick	SLE-RARA	4.1345	24.5821	0.33	44.49
1767	Shell-Thick	SLE-RARA	1.8494	17.8995	0.89	44.49
1767	Shell-Thick	SLE-FREQ.	1.6893	15.1027	0.68	41.50
1767	Shell-Thick	SLE-FREQ.	3.9205	21.3284	0.20	41.50
1767	Shell-Thick	SLE-FREQ.	3.8139	22.6821	0.20	41.98
1767	Shell-Thick	SLE-FREQ.	1.6640	16.3747	0.68	41.98
1767	Shell-Thick	SLE-QP	1.0715	10.8867	3.949E-02	34.23
1767	Shell-Thick	SLE-QP	2.8671	16.0172	-0.18	34.23
1767	Shell-Thick	SLE-QP	2.8523	16.9824	-0.18	34.46
1767	Shell-Thick	SLE-QP	1.1079	11.8004	3.949E-02	34.46
1768	Shell-Thick	SLU-STATICA	3.4476	24.5999	0.31	59.77
1768	Shell-Thick	SLU-STATICA	5.8711	33.5929	-0.15	59.77
1768	Shell-Thick	SLU-STATICA	5.8449	35.4466	-0.15	60.22
1768	Shell-Thick	SLU-STATICA	3.4496	26.4252	0.31	60.22
1768	Shell-Thick	SLU-SISMICA	5.7270	37.8554	2.36	76.90
1768	Shell-Thick	SLU-SISMICA	8.8876	49.4515	1.12	76.90
1768	Shell-Thick	SLU-SISMICA	8.5851	52.3747	1.12	78.14
1768	Shell-Thick	SLU-SISMICA	5.5062	40.6959	2.36	78.14
1768	Shell-Thick	SLE-RARA	2.4988	17.9798	0.13	44.44
1768	Shell-Thick	SLE-RARA	4.2984	24.6644	-0.17	44.44
1768	Shell-Thick	SLE-RARA	4.2924	26.0158	-0.17	44.74
1768	Shell-Thick	SLE-RARA	2.5114	19.3123	0.13	44.74
1768	Shell-Thick	SLE-FREQ.	2.2499	16.4472	-4.149E-02	41.93
1768	Shell-Thick	SLE-FREQ.	3.9445	22.7530	-0.27	41.93
1768	Shell-Thick	SLE-FREQ.	3.9613	23.9831	-0.27	42.17
1768	Shell-Thick	SLE-FREQ.	2.2805	17.6634	-4.149E-02	42.17
1768	Shell-Thick	SLE-QP	1.5031	11.8492	-0.56	34.42
1768	Shell-Thick	SLE-QP	2.8829	17.0188	-0.57	34.42
1768	Shell-Thick	SLE-QP	2.9683	17.8853	-0.57	34.44
1768	Shell-Thick	SLE-QP	1.5876	12.7165	-0.56	34.44
1769	Shell-Thick	SLU-STATICA	3.5515	26.5168	-0.48	60.31
1769	Shell-Thick	SLU-STATICA	6.5909	35.5246	-0.63	60.31
1769	Shell-Thick	SLU-STATICA	6.6160	37.1343	-0.63	60.47
1769	Shell-Thick	SLU-STATICA	3.6933	28.0096	-0.48	60.47
1769	Shell-Thick	SLU-SISMICA	5.8298	40.8556	1.33	78.26
1769	Shell-Thick	SLU-SISMICA	9.9723	52.5572	0.48	78.26
1769	Shell-Thick	SLU-SISMICA	9.7253	55.1373	0.48	79.11
1769	Shell-Thick	SLU-SISMICA	5.8040	43.2138	1.33	79.11
1769	Shell-Thick	SLE-RARA	2.5776	19.3783	-0.45	44.81
1769	Shell-Thick	SLE-RARA	4.8257	26.0697	-0.54	44.81
1769	Shell-Thick	SLE-RARA	4.8582	27.2410	-0.54	44.89
1769	Shell-Thick	SLE-RARA	2.6934	20.4664	-0.45	44.89
1769	Shell-Thick	SLE-FREQ.	2.3269	17.7222	-0.59	42.23
1769	Shell-Thick	SLE-FREQ.	4.4288	24.0271	-0.62	42.23
1769	Shell-Thick	SLE-FREQ.	4.4829	25.0899	-0.62	42.25
1769	Shell-Thick	SLE-FREQ.	2.4535	18.7123	-0.59	42.25
1769	Shell-Thick	SLE-QP	1.5745	12.7536	-1.00	34.49
1769	Shell-Thick	SLE-QP	3.2382	17.8996	-0.85	34.49
1769	Shell-Thick	SLE-QP	3.3570	18.6364	-0.85	34.34

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1769	Shell-Thick	SLE-QP	1.7339	13.4499	-1.00	34.34
1770	Shell-Thick	SLU-STATICA	4.2911	28.1070	-1.05	60.45
1770	Shell-Thick	SLU-STATICA	6.6491	37.1630	-1.00	60.45
1770	Shell-Thick	SLU-STATICA	6.7882	38.5602	-1.00	60.40
1770	Shell-Thick	SLU-STATICA	4.4604	29.4740	-1.05	60.40
1770	Shell-Thick	SLU-SISMICA	6.8858	43.3866	0.53	79.07
1770	Shell-Thick	SLU-SISMICA	10.0751	55.2508	-3.206E-02	79.07
1770	Shell-Thick	SLU-SISMICA	9.9889	57.5298	-3.206E-02	79.64
1770	Shell-Thick	SLU-SISMICA	6.8968	45.5679	0.53	79.64
1770	Shell-Thick	SLE-RARA	3.1222	20.5365	-0.88	44.88
1770	Shell-Thick	SLE-RARA	4.8676	27.2586	-0.81	44.88
1770	Shell-Thick	SLE-RARA	4.9842	28.2734	-0.81	44.81
1770	Shell-Thick	SLE-RARA	3.2584	21.5317	-0.88	44.81
1770	Shell-Thick	SLE-FREQ.	2.8320	18.7744	-0.99	42.24
1770	Shell-Thick	SLE-FREQ.	4.4660	25.1000	-0.87	42.24
1770	Shell-Thick	SLE-FREQ.	4.5982	26.0173	-0.87	42.12
1770	Shell-Thick	SLE-FREQ.	2.9778	19.6782	-0.99	42.12
1770	Shell-Thick	SLE-QP	1.9614	13.4883	-1.31	34.33
1770	Shell-Thick	SLE-QP	3.2614	18.6244	-1.05	34.33
1770	Shell-Thick	SLE-QP	3.4405	19.2492	-1.05	34.06
1770	Shell-Thick	SLE-QP	2.1361	14.1177	-1.31	34.06
1771	Shell-Thick	SLU-STATICA	4.4329	29.5491	-1.44	60.50
1771	Shell-Thick	SLU-STATICA	7.2322	38.5685	-1.22	60.50
1771	Shell-Thick	SLU-STATICA	7.3858	39.7536	-1.22	60.27
1771	Shell-Thick	SLU-STATICA	4.6781	30.6428	-1.44	60.27
1771	Shell-Thick	SLU-SISMICA	7.0592	45.7110	-6.930E-02	79.77
1771	Shell-Thick	SLU-SISMICA	10.9601	57.6134	-0.38	79.77
1771	Shell-Thick	SLU-SISMICA	10.8969	59.5875	-0.38	80.08
1771	Shell-Thick	SLU-SISMICA	7.1896	47.4914	-6.930E-02	80.08
1771	Shell-Thick	SLE-RARA	3.2281	21.5852	-1.16	44.88
1771	Shell-Thick	SLE-RARA	5.2943	28.2759	-0.96	44.88
1771	Shell-Thick	SLE-RARA	5.4216	29.1345	-0.96	44.68
1771	Shell-Thick	SLE-RARA	3.4196	22.3797	-1.16	44.68
1771	Shell-Thick	SLE-FREQ.	2.9327	19.7248	-1.24	42.19
1771	Shell-Thick	SLE-FREQ.	4.8574	26.0136	-1.01	42.19
1771	Shell-Thick	SLE-FREQ.	4.9993	26.7862	-1.01	41.95
1771	Shell-Thick	SLE-FREQ.	3.1289	20.4433	-1.24	41.95
1771	Shell-Thick	SLE-QP	2.0464	14.1435	-1.50	34.12
1771	Shell-Thick	SLE-QP	3.5467	19.2266	-1.14	34.12
1771	Shell-Thick	SLE-QP	3.7327	19.7413	-1.14	33.76
1771	Shell-Thick	SLE-QP	2.2568	14.6340	-1.50	33.76
1772	Shell-Thick	SLU-STATICA	5.0414	30.7160	-1.64	60.28
1772	Shell-Thick	SLU-STATICA	7.2815	39.7322	-1.31	60.28
1772	Shell-Thick	SLU-STATICA	7.4942	40.7017	-1.31	59.95
1772	Shell-Thick	SLU-STATICA	5.2714	31.6684	-1.64	59.95
1772	Shell-Thick	SLU-SISMICA	7.9335	47.6341	-0.47	80.09
1772	Shell-Thick	SLU-SISMICA	11.0525	59.6247	-0.61	80.09
1772	Shell-Thick	SLU-SISMICA	11.0914	61.2861	-0.61	80.22
1772	Shell-Thick	SLU-SISMICA	8.0574	49.2105	-0.47	80.22
1772	Shell-Thick	SLE-RARA	3.6760	22.4317	-1.30	44.69
1772	Shell-Thick	SLE-RARA	5.3296	29.1154	-1.03	44.69
1772	Shell-Thick	SLE-RARA	5.4994	29.8156	-1.03	44.42
1772	Shell-Thick	SLE-RARA	3.8556	23.1224	-1.30	44.42
1772	Shell-Thick	SLE-FREQ.	3.3476	20.4883	-1.36	41.96
1772	Shell-Thick	SLE-FREQ.	4.8883	26.7628	-1.06	41.96
1772	Shell-Thick	SLE-FREQ.	5.0682	27.3889	-1.06	41.66
1772	Shell-Thick	SLE-FREQ.	3.5315	21.1106	-1.36	41.66
1772	Shell-Thick	SLE-QP	2.3627	14.6580	-1.55	33.77
1772	Shell-Thick	SLE-QP	3.5644	19.7048	-1.16	33.77
1772	Shell-Thick	SLE-QP	3.7746	20.1085	-1.16	33.38
1772	Shell-Thick	SLE-QP	2.5595	15.0754	-1.55	33.38
1773	Shell-Thick	SLU-STATICA	5.1494	31.7176	-1.65	60.04
1773	Shell-Thick	SLU-STATICA	7.7460	40.6785	-1.27	60.04
1773	Shell-Thick	SLU-STATICA	7.8997	41.3708	-1.27	59.70
1773	Shell-Thick	SLU-STATICA	5.3802	32.3583	-1.65	59.70
1773	Shell-Thick	SLU-SISMICA	8.0593	49.3162	-0.70	80.35
1773	Shell-Thick	SLU-SISMICA	11.7504	61.3126	-0.69	80.35
1773	Shell-Thick	SLU-SISMICA	11.7469	62.5374	-0.69	80.35
1773	Shell-Thick	SLU-SISMICA	8.2452	50.4136	-0.70	80.35

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1773	Shell-Thick	SLE-RARA	3.7569	23.1568	-1.30	44.48
1773	Shell-Thick	SLE-RARA	5.6699	29.7955	-0.99	44.48
1773	Shell-Thick	SLE-RARA	5.7943	30.2936	-0.99	44.21
1773	Shell-Thick	SLE-RARA	3.9340	23.6195	-1.30	44.21
1773	Shell-Thick	SLE-FREQ.	3.4251	21.1396	-1.35	41.72
1773	Shell-Thick	SLE-FREQ.	5.2010	27.3652	-1.01	41.72
1773	Shell-Thick	SLE-FREQ.	5.3352	27.8072	-1.01	41.42
1773	Shell-Thick	SLE-FREQ.	3.6016	21.5534	-1.35	41.42
1773	Shell-Thick	SLE-QP	2.4298	15.0879	-1.49	33.42
1773	Shell-Thick	SLE-QP	3.7943	20.0741	-1.08	33.42
1773	Shell-Thick	SLE-QP	3.9582	20.3479	-1.08	33.06
1773	Shell-Thick	SLE-QP	2.6042	15.3549	-1.49	33.06
1774	Shell-Thick	SLU-STATICA	5.6162	32.3992	-1.55	59.70
1774	Shell-Thick	SLU-STATICA	7.7082	41.3388	-1.16	59.70
1774	Shell-Thick	SLU-STATICA	7.8635	41.7933	-1.16	59.41
1774	Shell-Thick	SLU-STATICA	5.7578	32.8590	-1.55	59.41
1774	Shell-Thick	SLU-SISMICA	8.7297	50.5007	-0.77	80.34
1774	Shell-Thick	SLU-SISMICA	11.7093	62.5397	-0.70	80.34
1774	Shell-Thick	SLU-SISMICA	11.7526	63.3780	-0.70	80.29
1774	Shell-Thick	SLU-SISMICA	8.8467	51.3115	-0.77	80.29
1774	Shell-Thick	SLE-RARA	4.1005	23.6482	-1.22	44.21
1774	Shell-Thick	SLE-RARA	5.6414	30.2676	-0.90	44.21
1774	Shell-Thick	SLE-RARA	5.7647	30.5929	-0.90	43.98
1774	Shell-Thick	SLE-RARA	4.2090	23.9791	-1.22	43.98
1774	Shell-Thick	SLE-FREQ.	3.7435	21.5775	-1.25	41.42
1774	Shell-Thick	SLE-FREQ.	5.1735	27.7790	-0.91	41.42
1774	Shell-Thick	SLE-FREQ.	5.3029	28.0648	-0.91	41.17
1774	Shell-Thick	SLE-FREQ.	3.8513	21.8715	-1.25	41.17
1774	Shell-Thick	SLE-QP	2.6726	15.3655	-1.35	33.06
1774	Shell-Thick	SLE-QP	3.7698	20.3133	-0.96	33.06
1774	Shell-Thick	SLE-QP	3.9177	20.4803	-0.96	32.77
1774	Shell-Thick	SLE-QP	2.7785	15.5484	-1.35	32.77
1775	Shell-Thick	SLU-STATICA	5.5770	32.8789	-1.48	59.47
1775	Shell-Thick	SLU-STATICA	8.0208	41.7688	-1.05	59.47
1775	Shell-Thick	SLU-STATICA	8.1285	42.1291	-1.05	59.16
1775	Shell-Thick	SLU-STATICA	5.7473	33.2160	-1.48	59.16
1775	Shell-Thick	SLU-SISMICA	8.6873	51.3637	-0.84	80.39
1775	Shell-Thick	SLU-SISMICA	12.2018	63.3838	-0.68	80.39
1775	Shell-Thick	SLU-SISMICA	12.1903	64.0818	-0.68	80.28
1775	Shell-Thick	SLU-SISMICA	8.8658	51.9909	-0.84	80.28
1775	Shell-Thick	SLE-RARA	4.0710	23.9926	-1.16	44.02
1775	Shell-Thick	SLE-RARA	5.8694	30.5729	-0.82	44.02
1775	Shell-Thick	SLE-RARA	5.9569	30.8290	-0.82	43.78
1775	Shell-Thick	SLE-RARA	4.1996	24.2336	-1.16	43.78
1775	Shell-Thick	SLE-FREQ.	3.7150	21.8819	-1.18	41.22
1775	Shell-Thick	SLE-FREQ.	5.3810	28.0427	-0.83	41.22
1775	Shell-Thick	SLE-FREQ.	5.4762	28.2648	-0.83	40.96
1775	Shell-Thick	SLE-FREQ.	3.8397	22.0931	-1.18	40.96
1775	Shell-Thick	SLE-QP	2.6470	15.5499	-1.25	32.81
1775	Shell-Thick	SLE-QP	3.9161	20.4523	-0.86	32.81
1775	Shell-Thick	SLE-QP	4.0342	20.5722	-0.86	32.52
1775	Shell-Thick	SLE-QP	2.7602	15.6718	-1.25	32.52
1776	Shell-Thick	SLU-STATICA	5.8346	33.2335	-1.44	59.16
1776	Shell-Thick	SLU-STATICA	7.9382	42.0910	-0.98	59.16
1776	Shell-Thick	SLU-STATICA	8.1294	42.4369	-0.98	58.71
1776	Shell-Thick	SLU-STATICA	6.0060	33.5996	-1.44	58.71
1776	Shell-Thick	SLU-SISMICA	9.1236	52.0467	-0.93	80.29
1776	Shell-Thick	SLU-SISMICA	12.1339	64.0663	-0.71	80.29
1776	Shell-Thick	SLU-SISMICA	12.2408	64.8075	-0.71	80.06
1776	Shell-Thick	SLU-SISMICA	9.2628	52.7557	-0.93	80.06
1776	Shell-Thick	SLE-RARA	4.2572	24.2449	-1.11	43.78
1776	Shell-Thick	SLE-RARA	5.8060	30.7990	-0.76	43.78
1776	Shell-Thick	SLE-RARA	5.9551	31.0414	-0.76	43.42
1776	Shell-Thick	SLE-RARA	4.3887	24.5052	-1.11	43.42
1776	Shell-Thick	SLE-FREQ.	3.8819	22.1011	-1.13	40.96
1776	Shell-Thick	SLE-FREQ.	5.3180	28.2337	-0.76	40.96
1776	Shell-Thick	SLE-FREQ.	5.4704	28.4376	-0.76	40.59
1776	Shell-Thick	SLE-FREQ.	4.0128	22.3268	-1.13	40.59
1776	Shell-Thick	SLE-QP	2.7561	15.6694	-1.17	32.51

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1776	Shell-Thick	SLE-QP	3.8542	20.5376	-0.77	32.51
1776	Shell-Thick	SLE-QP	4.0163	20.6262	-0.77	32.12
1776	Shell-Thick	SLE-QP	2.8853	15.7913	-1.17	32.12
1777	Shell-Thick	SLU-STATICA	5.8708	33.6108	-1.42	58.75
1777	Shell-Thick	SLU-STATICA	8.1042	42.3936	-0.93	58.75
1777	Shell-Thick	SLU-STATICA	8.2796	42.5870	-0.93	58.27
1777	Shell-Thick	SLU-STATICA	6.0479	33.8028	-1.42	58.27
1777	Shell-Thick	SLU-SISMICA	9.2194	52.8090	-1.05	80.13
1777	Shell-Thick	SLU-SISMICA	12.4273	64.7828	-0.74	80.13
1777	Shell-Thick	SLU-SISMICA	12.5294	65.2891	-0.74	79.82
1777	Shell-Thick	SLU-SISMICA	9.3868	53.2502	-1.05	79.82
1777	Shell-Thick	SLE-RARA	4.2817	24.5116	-1.09	43.45
1777	Shell-Thick	SLE-RARA	5.9255	31.0077	-0.72	43.45
1777	Shell-Thick	SLE-RARA	6.0620	31.1387	-0.72	43.08
1777	Shell-Thick	SLE-RARA	4.4163	24.6447	-1.09	43.08
1777	Shell-Thick	SLE-FREQ.	3.9009	22.3295	-1.09	40.62
1777	Shell-Thick	SLE-FREQ.	5.4241	28.4032	-0.71	40.62
1777	Shell-Thick	SLE-FREQ.	5.5633	28.5053	-0.71	40.24
1777	Shell-Thick	SLE-FREQ.	4.0331	22.4388	-1.09	40.24
1777	Shell-Thick	SLE-QP	2.7587	15.7832	-1.10	32.14
1777	Shell-Thick	SLE-QP	3.9200	20.5897	-0.71	32.14
1777	Shell-Thick	SLE-QP	4.0671	20.6049	-0.71	31.74
1777	Shell-Thick	SLE-QP	2.8832	15.8213	-1.10	31.74
1778	Shell-Thick	SLU-STATICA	6.0285	33.8043	-1.43	58.27
1778	Shell-Thick	SLU-STATICA	8.0631	42.5383	-0.92	58.27
1778	Shell-Thick	SLU-STATICA	8.2633	42.5869	-0.92	57.76
1778	Shell-Thick	SLU-STATICA	6.1809	33.9010	-1.43	57.76
1778	Shell-Thick	SLU-SISMICA	9.4955	53.2883	-1.18	79.84
1778	Shell-Thick	SLU-SISMICA	12.4201	65.2508	-0.80	79.84
1778	Shell-Thick	SLU-SISMICA	12.5743	65.5323	-0.80	79.46
1778	Shell-Thick	SLU-SISMICA	9.6392	53.5806	-1.18	79.46
1778	Shell-Thick	SLE-RARA	4.3953	24.6440	-1.09	43.08
1778	Shell-Thick	SLE-RARA	5.8926	31.1013	-0.70	43.08
1778	Shell-Thick	SLE-RARA	6.0466	31.1264	-0.70	42.69
1778	Shell-Thick	SLE-RARA	4.5112	24.7075	-1.09	42.69
1778	Shell-Thick	SLE-FREQ.	4.0020	22.4352	-1.09	40.25
1778	Shell-Thick	SLE-FREQ.	5.3892	28.4679	-0.70	40.25
1778	Shell-Thick	SLE-FREQ.	5.5432	28.4733	-0.70	39.85
1778	Shell-Thick	SLE-FREQ.	4.1158	22.4810	-1.09	39.85
1778	Shell-Thick	SLE-QP	2.8221	15.8087	-1.07	31.74
1778	Shell-Thick	SLE-QP	3.8792	20.5678	-0.67	31.74
1778	Shell-Thick	SLE-QP	4.0331	20.5139	-0.67	31.35
1778	Shell-Thick	SLE-QP	2.9295	15.8016	-1.07	31.35
1779	Shell-Thick	SLU-STATICA	6.0121	33.8879	-1.47	57.79
1779	Shell-Thick	SLU-STATICA	8.1200	42.5376	-0.93	57.79
1779	Shell-Thick	SLU-STATICA	8.3157	42.4535	-0.93	57.24
1779	Shell-Thick	SLU-STATICA	6.1768	33.8351	-1.47	57.24
1779	Shell-Thick	SLU-SISMICA	9.5231	53.5964	-1.33	79.50
1779	Shell-Thick	SLU-SISMICA	12.5520	65.4888	-0.86	79.50
1779	Shell-Thick	SLU-SISMICA	12.7087	65.5602	-0.86	79.03
1779	Shell-Thick	SLU-SISMICA	9.6951	53.6528	-1.33	79.03
1779	Shell-Thick	SLE-RARA	4.3807	24.6962	-1.12	42.70
1779	Shell-Thick	SLE-RARA	5.9320	31.0888	-0.71	42.70
1779	Shell-Thick	SLE-RARA	6.0822	31.0173	-0.71	42.29
1779	Shell-Thick	SLE-RARA	4.5051	24.6508	-1.12	42.29
1779	Shell-Thick	SLE-FREQ.	3.9841	22.4676	-1.11	39.87
1779	Shell-Thick	SLE-FREQ.	5.4215	28.4361	-0.69	39.87
1779	Shell-Thick	SLE-FREQ.	5.5712	28.3536	-0.69	39.45
1779	Shell-Thick	SLE-FREQ.	4.1049	22.4143	-1.11	39.45
1779	Shell-Thick	SLE-QP	2.7945	15.7819	-1.06	31.35
1779	Shell-Thick	SLE-QP	3.8901	20.4780	-0.66	31.35
1779	Shell-Thick	SLE-QP	4.0382	20.3625	-0.66	30.95
1779	Shell-Thick	SLE-QP	2.9043	15.7050	-1.06	30.95
1780	Shell-Thick	SLU-STATICA	6.0623	33.8119	-1.55	57.23
1780	Shell-Thick	SLU-STATICA	8.0387	42.3984	-0.96	57.23
1780	Shell-Thick	SLU-STATICA	8.2654	42.1930	-0.96	56.65
1780	Shell-Thick	SLU-STATICA	6.2125	33.6834	-1.55	56.65
1780	Shell-Thick	SLU-SISMICA	9.6428	53.6526	-1.49	79.04
1780	Shell-Thick	SLU-SISMICA	12.4858	65.5054	-0.94	79.04

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1780	Shell-Thick	SLU-SISMICA	12.6959	65.3854	-0.94	78.49
1780	Shell-Thick	SLU-SISMICA	9.7978	53.5881	-1.49	78.49
1780	Shell-Thick	SLE-RARA	4.4152	24.6320	-1.18	42.28
1780	Shell-Thick	SLE-RARA	5.8696	30.9756	-0.73	42.28
1780	Shell-Thick	SLE-RARA	6.0422	30.8157	-0.73	41.83
1780	Shell-Thick	SLE-RARA	4.5288	24.5314	-1.18	41.83
1780	Shell-Thick	SLE-FREQ.	4.0121	22.3941	-1.15	39.45
1780	Shell-Thick	SLE-FREQ.	5.3594	28.3129	-0.71	39.45
1780	Shell-Thick	SLE-FREQ.	5.5291	28.1499	-0.71	39.01
1780	Shell-Thick	SLE-FREQ.	4.1225	22.2908	-1.15	39.01
1780	Shell-Thick	SLE-QP	2.8027	15.6805	-1.08	30.94
1780	Shell-Thick	SLE-QP	3.8288	20.3248	-0.66	30.94
1780	Shell-Thick	SLE-QP	3.9899	20.1526	-0.66	30.53
1780	Shell-Thick	SLE-QP	2.9036	15.5688	-1.08	30.53
1781	Shell-Thick	SLU-STATICA	6.0007	33.6475	-1.66	56.65
1781	Shell-Thick	SLU-STATICA	8.0054	42.1345	-1.01	56.65
1781	Shell-Thick	SLU-STATICA	8.2367	41.8083	-1.01	56.00
1781	Shell-Thick	SLU-STATICA	6.1702	33.3836	-1.66	56.00
1781	Shell-Thick	SLU-SISMICA	9.6061	53.5688	-1.67	78.51
1781	Shell-Thick	SLU-SISMICA	12.4819	65.3235	-1.03	78.51
1781	Shell-Thick	SLU-SISMICA	12.7006	65.0102	-1.03	77.87
1781	Shell-Thick	SLU-SISMICA	9.7928	53.2880	-1.67	77.87
1781	Shell-Thick	SLE-RARA	4.3673	24.5034	-1.26	41.84
1781	Shell-Thick	SLE-RARA	5.8430	30.7715	-0.77	41.84
1781	Shell-Thick	SLE-RARA	6.0188	30.5237	-0.77	41.35
1781	Shell-Thick	SLE-RARA	4.4949	24.3043	-1.26	41.35
1781	Shell-Thick	SLE-FREQ.	3.9634	22.2621	-1.22	39.01
1781	Shell-Thick	SLE-FREQ.	5.3310	28.1071	-0.75	39.01
1781	Shell-Thick	SLE-FREQ.	5.5036	27.8643	-0.75	38.53
1781	Shell-Thick	SLE-FREQ.	4.0863	22.0693	-1.22	38.53
1781	Shell-Thick	SLE-QP	2.7514	15.5382	-1.13	30.52
1781	Shell-Thick	SLE-QP	3.7952	20.1139	-0.68	30.52
1781	Shell-Thick	SLE-QP	3.9578	19.8863	-0.68	30.08
1781	Shell-Thick	SLE-QP	2.8607	15.3642	-1.13	30.08
1782	Shell-Thick	SLU-STATICA	5.9601	33.3373	-1.80	55.99
1782	Shell-Thick	SLU-STATICA	7.8860	41.7425	-1.09	55.99
1782	Shell-Thick	SLU-STATICA	8.1559	41.3154	-1.09	55.28
1782	Shell-Thick	SLU-STATICA	6.1253	33.0155	-1.80	55.28
1782	Shell-Thick	SLU-SISMICA	9.5908	53.2524	-1.88	77.87
1782	Shell-Thick	SLU-SISMICA	12.3592	64.9371	-1.15	77.87
1782	Shell-Thick	SLU-SISMICA	12.6358	64.4641	-1.15	77.14
1782	Shell-Thick	SLU-SISMICA	9.7688	52.8784	-1.88	77.14
1782	Shell-Thick	SLE-RARA	4.3353	24.2687	-1.36	41.34
1782	Shell-Thick	SLE-RARA	5.7527	30.4742	-0.83	41.34
1782	Shell-Thick	SLE-RARA	5.9569	30.1529	-0.83	40.80
1782	Shell-Thick	SLE-RARA	4.4598	24.0274	-1.36	40.80
1782	Shell-Thick	SLE-FREQ.	3.9300	22.0337	-1.32	38.52
1782	Shell-Thick	SLE-FREQ.	5.2432	27.8166	-0.80	38.52
1782	Shell-Thick	SLE-FREQ.	5.4418	27.5071	-0.80	38.00
1782	Shell-Thick	SLE-FREQ.	4.0504	21.8026	-1.32	38.00
1782	Shell-Thick	SLE-QP	2.7142	15.3286	-1.20	30.07
1782	Shell-Thick	SLE-QP	3.7149	19.8440	-0.73	30.07
1782	Shell-Thick	SLE-QP	3.8967	19.5696	-0.73	29.59
1782	Shell-Thick	SLE-QP	2.8223	15.1283	-1.20	29.59
1783	Shell-Thick	SLU-STATICA	5.8572	32.9584	-1.99	55.27
1783	Shell-Thick	SLU-STATICA	7.7731	41.2423	-1.20	55.27
1783	Shell-Thick	SLU-STATICA	8.0576	40.7011	-1.20	54.48
1783	Shell-Thick	SLU-STATICA	6.0517	32.5078	-1.99	54.48
1783	Shell-Thick	SLU-SISMICA	9.4938	52.8268	-2.12	77.13
1783	Shell-Thick	SLU-SISMICA	12.2360	64.3807	-1.28	77.13
1783	Shell-Thick	SLU-SISMICA	12.5285	63.7239	-1.28	76.29
1783	Shell-Thick	SLU-SISMICA	9.7116	52.2454	-2.12	76.29
1783	Shell-Thick	SLE-RARA	4.2570	23.9839	-1.50	40.79
1783	Shell-Thick	SLE-RARA	5.6677	30.0980	-0.91	40.79
1783	Shell-Thick	SLE-RARA	5.8828	29.6937	-0.91	40.20
1783	Shell-Thick	SLE-RARA	4.4032	23.6490	-1.50	40.20
1783	Shell-Thick	SLE-FREQ.	3.8532	21.7598	-1.45	37.99
1783	Shell-Thick	SLE-FREQ.	5.1611	27.4544	-0.88	37.99
1783	Shell-Thick	SLE-FREQ.	5.3704	27.0695	-0.88	37.42

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1783	Shell-Thick	SLE-FREQ.	3.9939	21.4438	-1.45	37.42
1783	Shell-Thick	SLE-QP	2.6417	15.0873	-1.31	29.58
1783	Shell-Thick	SLE-QP	3.6416	19.5234	-0.79	29.58
1783	Shell-Thick	SLE-QP	3.8330	19.1970	-0.79	29.07
1783	Shell-Thick	SLE-QP	2.7658	14.8284	-1.31	29.07
1784	Shell-Thick	SLU-STATICA	5.7390	32.4403	-2.23	54.47
1784	Shell-Thick	SLU-STATICA	7.6155	40.6176	-1.35	54.47
1784	Shell-Thick	SLU-STATICA	7.9500	39.9957	-1.35	53.59
1784	Shell-Thick	SLU-STATICA	5.9424	31.9502	-2.23	53.59
1784	Shell-Thick	SLU-SISMICA	9.3625	52.1778	-2.41	76.28
1784	Shell-Thick	SLU-SISMICA	12.0577	63.6275	-1.45	76.28
1784	Shell-Thick	SLU-SISMICA	12.4171	62.8420	-1.45	75.32
1784	Shell-Thick	SLU-SISMICA	9.5831	51.5319	-2.41	75.32
1784	Shell-Thick	SLE-RARA	4.1682	23.5978	-1.68	40.19
1784	Shell-Thick	SLE-RARA	5.5492	29.6310	-1.02	40.19
1784	Shell-Thick	SLE-RARA	5.8014	29.1680	-1.02	39.53
1784	Shell-Thick	SLE-RARA	4.3214	23.2343	-1.68	39.53
1784	Shell-Thick	SLE-FREQ.	3.7676	21.3939	-1.63	37.40
1784	Shell-Thick	SLE-FREQ.	5.0473	27.0095	-0.99	37.40
1784	Shell-Thick	SLE-FREQ.	5.2913	26.5713	-0.99	36.76
1784	Shell-Thick	SLE-FREQ.	3.9156	21.0521	-1.63	36.76
1784	Shell-Thick	SLE-QP	2.5659	14.7823	-1.46	29.05
1784	Shell-Thick	SLE-QP	3.5416	19.1448	-0.89	29.05
1784	Shell-Thick	SLE-QP	3.7608	18.7811	-0.89	28.48
1784	Shell-Thick	SLE-QP	2.6984	14.5058	-1.46	28.48
1785	Shell-Thick	SLU-STATICA	5.6002	31.8739	-2.53	53.57
1785	Shell-Thick	SLU-STATICA	7.4319	39.9000	-1.54	53.57
1785	Shell-Thick	SLU-STATICA	7.7948	39.1684	-1.54	52.58
1785	Shell-Thick	SLU-STATICA	5.8486	31.2577	-2.53	52.58
1785	Shell-Thick	SLU-SISMICA	9.2121	51.4516	-2.75	75.31
1785	Shell-Thick	SLU-SISMICA	11.8302	62.7307	-1.65	75.31
1785	Shell-Thick	SLU-SISMICA	12.2161	61.7663	-1.65	74.21
1785	Shell-Thick	SLU-SISMICA	9.4867	50.5992	-2.75	74.21
1785	Shell-Thick	SLE-RARA	4.0636	23.1766	-1.91	39.51
1785	Shell-Thick	SLE-RARA	5.4123	29.0962	-1.16	39.51
1785	Shell-Thick	SLE-RARA	5.6861	28.5535	-1.16	38.77
1785	Shell-Thick	SLE-RARA	4.2504	22.7214	-1.91	38.77
1785	Shell-Thick	SLE-FREQ.	3.6665	20.9963	-1.84	36.75
1785	Shell-Thick	SLE-FREQ.	4.9174	26.5025	-1.12	36.75
1785	Shell-Thick	SLE-FREQ.	5.1826	25.9923	-1.12	36.03
1785	Shell-Thick	SLE-FREQ.	3.8466	20.5717	-1.84	36.03
1785	Shell-Thick	SLE-QP	2.4755	14.4552	-1.65	28.47
1785	Shell-Thick	SLE-QP	3.4327	18.7216	-1.01	28.47
1785	Shell-Thick	SLE-QP	3.6719	18.3089	-1.01	27.83
1785	Shell-Thick	SLE-QP	2.6353	14.1225	-1.65	27.83
1786	Shell-Thick	SLU-STATICA	5.4223	31.1714	-2.92	52.57
1786	Shell-Thick	SLU-STATICA	7.2365	39.0578	-1.80	52.57
1786	Shell-Thick	SLU-STATICA	7.6679	38.2713	-1.80	51.46
1786	Shell-Thick	SLU-STATICA	5.6992	30.5402	-2.92	51.46
1786	Shell-Thick	SLU-SISMICA	8.9880	50.5040	-3.16	74.21
1786	Shell-Thick	SLU-SISMICA	11.5979	61.6382	-1.92	74.21
1786	Shell-Thick	SLU-SISMICA	12.0662	60.5815	-1.92	72.96
1786	Shell-Thick	SLU-SISMICA	9.2825	49.6220	-3.16	72.96
1786	Shell-Thick	SLE-RARA	3.9310	22.6565	-2.20	38.76
1786	Shell-Thick	SLE-RARA	5.2660	28.4705	-1.36	38.76
1786	Shell-Thick	SLE-RARA	5.5911	27.8880	-1.36	37.92
1786	Shell-Thick	SLE-RARA	4.1400	22.1907	-2.20	37.92
1786	Shell-Thick	SLE-FREQ.	3.5410	20.5091	-2.12	36.03
1786	Shell-Thick	SLE-FREQ.	4.7778	25.9129	-1.32	36.03
1786	Shell-Thick	SLE-FREQ.	5.0918	25.3669	-1.32	35.22
1786	Shell-Thick	SLE-FREQ.	3.7434	20.0754	-2.12	35.22
1786	Shell-Thick	SLE-QP	2.3712	14.0669	-1.90	27.83
1786	Shell-Thick	SLE-QP	3.3129	18.2399	-1.19	27.83
1786	Shell-Thick	SLE-QP	3.5938	17.8036	-1.19	27.11
1786	Shell-Thick	SLE-QP	2.5537	13.7295	-1.90	27.11
1787	Shell-Thick	SLU-STATICA	5.2647	30.4473	-3.39	51.44
1787	Shell-Thick	SLU-STATICA	6.9954	38.1428	-2.14	51.44
1787	Shell-Thick	SLU-STATICA	7.4778	37.2507	-2.14	50.18
1787	Shell-Thick	SLU-STATICA	5.6130	29.6902	-3.39	50.18



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1787	Shell-Thick	SLU-SISMICA	8.8010	49.5175	-3.64	72.94
1787	Shell-Thick	SLU-SISMICA	11.2842	60.4333	-2.24	72.94
1787	Shell-Thick	SLU-SISMICA	11.7960	59.1968	-2.24	71.54
1787	Shell-Thick	SLU-SISMICA	9.1728	48.4221	-3.64	71.54
1787	Shell-Thick	SLE-RARA	3.8131	22.1209	-2.56	37.91
1787	Shell-Thick	SLE-RARA	5.0870	27.7916	-1.61	37.91
1787	Shell-Thick	SLE-RARA	5.4511	27.1328	-1.61	36.96
1787	Shell-Thick	SLE-RARA	4.0758	21.5641	-2.56	36.96
1787	Shell-Thick	SLE-FREQ.	3.4284	20.0083	-2.48	35.20
1787	Shell-Thick	SLE-FREQ.	4.6091	25.2745	-1.57	35.20
1787	Shell-Thick	SLE-FREQ.	4.9618	24.6603	-1.57	34.29
1787	Shell-Thick	SLE-FREQ.	3.6827	19.4930	-2.48	34.29
1787	Shell-Thick	SLE-QP	2.2745	13.6704	-2.23	27.10
1787	Shell-Thick	SLE-QP	3.1755	17.7233	-1.42	27.10
1787	Shell-Thick	SLE-QP	3.4939	17.2426	-1.42	26.30
1787	Shell-Thick	SLE-QP	2.5036	13.2797	-2.23	26.30
1788	Shell-Thick	SLU-STATICA	5.2060	29.6175	-3.85	50.19
1788	Shell-Thick	SLU-STATICA	6.8788	37.1222	-2.51	50.19
1788	Shell-Thick	SLU-STATICA	7.3502	36.5497	-2.51	49.29
1788	Shell-Thick	SLU-STATICA	5.3703	29.1274	-3.85	49.29
1788	Shell-Thick	SLU-SISMICA	8.6872	48.3395	-4.10	71.55
1788	Shell-Thick	SLU-SISMICA	11.1322	59.0496	-2.60	71.55
1788	Shell-Thick	SLU-SISMICA	11.6481	58.2470	-2.60	70.55
1788	Shell-Thick	SLU-SISMICA	8.8401	47.6344	-4.10	70.55
1788	Shell-Thick	SLE-RARA	3.7713	21.5095	-2.91	36.96
1788	Shell-Thick	SLE-RARA	5.0004	27.0364	-1.90	36.96
1788	Shell-Thick	SLE-RARA	5.3554	26.6140	-1.90	36.29
1788	Shell-Thick	SLE-RARA	3.8964	21.1489	-2.91	36.29
1788	Shell-Thick	SLE-FREQ.	3.3922	19.4405	-2.82	34.30
1788	Shell-Thick	SLE-FREQ.	4.5276	24.5678	-1.84	34.30
1788	Shell-Thick	SLE-FREQ.	4.8701	24.1747	-1.84	33.65
1788	Shell-Thick	SLE-FREQ.	3.5152	19.1065	-2.82	33.65
1788	Shell-Thick	SLE-QP	2.2550	13.2337	-2.54	26.29
1788	Shell-Thick	SLE-QP	3.1091	17.1619	-1.68	26.29
1788	Shell-Thick	SLE-QP	3.4144	16.8568	-1.68	25.72
1788	Shell-Thick	SLE-QP	2.3715	12.9794	-2.54	25.72
1789	Shell-Thick	SLU-STATICA	4.9872	29.0469	-4.29	49.28
1789	Shell-Thick	SLU-STATICA	6.6080	36.4052	-2.79	49.28
1789	Shell-Thick	SLU-STATICA	7.2115	35.4013	-2.79	47.78
1789	Shell-Thick	SLU-STATICA	5.4457	28.1893	-4.29	47.78
1789	Shell-Thick	SLU-SISMICA	8.4198	47.5406	-4.54	70.53
1789	Shell-Thick	SLU-SISMICA	10.7719	58.0815	-2.86	70.53
1789	Shell-Thick	SLU-SISMICA	11.4057	56.6449	-2.86	68.85
1789	Shell-Thick	SLU-SISMICA	8.8972	46.2616	-4.54	68.85
1789	Shell-Thick	SLE-RARA	3.6079	21.0885	-3.24	36.28
1789	Shell-Thick	SLE-RARA	4.7996	26.5056	-2.11	36.28
1789	Shell-Thick	SLE-RARA	5.2555	25.7665	-2.11	35.15
1789	Shell-Thick	SLE-RARA	3.9545	20.4596	-3.24	35.15
1789	Shell-Thick	SLE-FREQ.	3.2369	19.0487	-3.14	33.64
1789	Shell-Thick	SLE-FREQ.	4.3391	24.0707	-2.05	33.64
1789	Shell-Thick	SLE-FREQ.	4.7812	23.3854	-2.05	32.55
1789	Shell-Thick	SLE-FREQ.	3.5733	18.4700	-3.14	32.55
1789	Shell-Thick	SLE-QP	2.1237	12.9293	-2.83	25.72
1789	Shell-Thick	SLE-QP	2.9575	16.7659	-1.88	25.72
1789	Shell-Thick	SLE-QP	3.3584	16.2420	-1.88	24.76
1789	Shell-Thick	SLE-QP	2.4299	12.5010	-2.83	24.76
1790	Shell-Thick	SLU-STATICA	4.8138	28.0794	-4.71	47.79
1790	Shell-Thick	SLU-STATICA	6.3980	35.2221	-3.07	47.79
1790	Shell-Thick	SLU-STATICA	7.0738	34.2164	-3.07	46.15
1790	Shell-Thick	SLU-STATICA	5.3070	27.2573	-4.71	46.15
1790	Shell-Thick	SLU-SISMICA	8.1495	46.1322	-5.01	68.86
1790	Shell-Thick	SLU-SISMICA	10.4849	56.4406	-3.16	68.86
1790	Shell-Thick	SLU-SISMICA	11.2066	54.9929	-3.16	67.02
1790	Shell-Thick	SLU-SISMICA	8.6545	44.9025	-5.01	67.02
1790	Shell-Thick	SLE-RARA	3.4814	20.3774	-3.56	35.16
1790	Shell-Thick	SLE-RARA	4.6444	25.6319	-2.33	35.16
1790	Shell-Thick	SLE-RARA	5.1541	24.8919	-2.33	33.93
1790	Shell-Thick	SLE-RARA	3.8545	19.7748	-3.56	33.93
1790	Shell-Thick	SLE-FREQ.	3.1214	18.3913	-3.44	32.56



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1790	Shell-Thick	SLE-FREQ.	4.1940	23.2562	-2.26	32.56
1790	Shell-Thick	SLE-FREQ.	4.6874	22.5707	-2.26	31.38
1790	Shell-Thick	SLE-FREQ.	3.4844	17.8371	-3.44	31.38
1790	Shell-Thick	SLE-QP	2.0415	12.4332	-3.11	24.76
1790	Shell-Thick	SLE-QP	2.8429	16.1290	-2.07	24.76
1790	Shell-Thick	SLE-QP	3.2872	15.6071	-2.07	23.72
1790	Shell-Thick	SLE-QP	2.3740	12.0241	-3.11	23.72
1791	Shell-Thick	SLU-STATICA	4.6956	27.1467	-5.03	46.15
1791	Shell-Thick	SLU-STATICA	6.1508	34.0201	-3.28	46.15
1791	Shell-Thick	SLU-STATICA	6.8503	32.8932	-3.28	44.41
1791	Shell-Thick	SLU-STATICA	5.2442	26.1719	-5.03	44.41
1791	Shell-Thick	SLU-SISMICA	7.9624	44.7723	-5.38	67.01
1791	Shell-Thick	SLU-SISMICA	10.1255	54.7684	-3.40	67.01
1791	Shell-Thick	SLU-SISMICA	10.8673	53.1150	-3.40	65.04
1791	Shell-Thick	SLU-SISMICA	8.5380	43.2866	-5.38	65.04
1791	Shell-Thick	SLE-RARA	3.3953	19.6919	-3.79	33.93
1791	Shell-Thick	SLE-RARA	4.4627	24.7446	-2.48	33.93
1791	Shell-Thick	SLE-RARA	4.9906	23.9169	-2.48	32.62
1791	Shell-Thick	SLE-RARA	3.8096	18.9787	-3.79	32.62
1791	Shell-Thick	SLE-FREQ.	3.0431	17.7579	-3.67	31.38
1791	Shell-Thick	SLE-FREQ.	4.0260	22.4294	-2.41	31.38
1791	Shell-Thick	SLE-FREQ.	4.5374	21.6654	-2.41	30.12
1791	Shell-Thick	SLE-FREQ.	3.4450	17.1043	-3.67	30.12
1791	Shell-Thick	SLE-QP	1.9865	11.9558	-3.31	23.73
1791	Shell-Thick	SLE-QP	2.7160	15.4837	-2.20	23.73
1791	Shell-Thick	SLE-QP	3.1779	14.9107	-2.20	22.62
1791	Shell-Thick	SLE-QP	2.3511	11.4809	-3.31	22.62
1792	Shell-Thick	SLU-STATICA	4.5413	26.0577	-5.30	44.43
1792	Shell-Thick	SLU-STATICA	5.9278	32.6823	-3.46	44.43
1792	Shell-Thick	SLU-STATICA	6.6779	31.5851	-3.46	42.58
1792	Shell-Thick	SLU-STATICA	5.1057	25.1476	-5.30	42.58
1792	Shell-Thick	SLU-SISMICA	7.7066	43.1508	-5.73	65.06
1792	Shell-Thick	SLU-SISMICA	9.8048	52.8720	-3.62	65.06
1792	Shell-Thick	SLU-SISMICA	10.6182	51.2596	-3.62	62.95
1792	Shell-Thick	SLU-SISMICA	8.2962	41.7638	-5.73	62.95
1792	Shell-Thick	SLE-RARA	3.2834	18.8933	-3.99	32.63
1792	Shell-Thick	SLE-RARA	4.2986	23.7587	-2.61	32.63
1792	Shell-Thick	SLE-RARA	4.8637	22.9529	-2.61	31.25
1792	Shell-Thick	SLE-RARA	3.7098	18.2274	-3.99	31.25
1792	Shell-Thick	SLE-FREQ.	2.9423	17.0227	-3.86	30.13
1792	Shell-Thick	SLE-FREQ.	3.8740	21.5137	-2.53	30.13
1792	Shell-Thick	SLE-FREQ.	4.4200	20.7701	-2.53	28.81
1792	Shell-Thick	SLE-FREQ.	3.3561	16.4124	-3.86	28.81
1792	Shell-Thick	SLE-QP	1.9191	11.4111	-3.46	22.63
1792	Shell-Thick	SLE-QP	2.6001	14.7786	-2.30	22.63
1792	Shell-Thick	SLE-QP	3.0888	14.2217	-2.30	21.48
1792	Shell-Thick	SLE-QP	2.2951	10.9676	-3.46	21.48
1793	Shell-Thick	SLU-STATICA	4.4231	25.0356	-5.47	42.60
1793	Shell-Thick	SLU-STATICA	5.6888	31.3627	-3.57	42.60
1793	Shell-Thick	SLU-STATICA	6.4415	30.1317	-3.57	40.70
1793	Shell-Thick	SLU-STATICA	5.0280	23.9537	-5.47	40.70
1793	Shell-Thick	SLU-SISMICA	7.5089	41.6313	-5.98	62.96
1793	Shell-Thick	SLU-SISMICA	9.4509	51.0012	-3.78	62.96
1793	Shell-Thick	SLU-SISMICA	10.2652	49.1617	-3.78	60.76
1793	Shell-Thick	SLU-SISMICA	8.1587	39.9580	-5.98	60.76
1793	Shell-Thick	SLE-RARA	3.1978	18.1436	-4.12	31.26
1793	Shell-Thick	SLE-RARA	4.1232	22.7862	-2.70	31.26
1793	Shell-Thick	SLE-RARA	4.6905	21.8837	-2.70	29.84
1793	Shell-Thick	SLE-RARA	3.6540	17.3533	-4.12	29.84
1793	Shell-Thick	SLE-FREQ.	2.8653	16.3324	-3.98	28.82
1793	Shell-Thick	SLE-FREQ.	3.7124	20.6105	-2.61	28.82
1793	Shell-Thick	SLE-FREQ.	4.2606	19.7803	-2.61	27.45
1793	Shell-Thick	SLE-FREQ.	3.3066	15.6101	-3.98	27.45
1793	Shell-Thick	SLE-QP	1.8680	10.8988	-3.55	21.49
1793	Shell-Thick	SLE-QP	2.4799	14.0833	-2.36	21.49
1793	Shell-Thick	SLE-QP	2.9709	13.4698	-2.36	20.30
1793	Shell-Thick	SLE-QP	2.2645	10.3808	-3.55	20.30
1794	Shell-Thick	SLU-STATICA	4.3026	23.8423	-5.62	40.73
1794	Shell-Thick	SLU-STATICA	5.4475	29.8991	-3.65	40.73

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1794	Shell-Thick	SLU-STATICA	6.2328	28.7423	-3.65	38.76
1794	Shell-Thick	SLU-STATICA	4.9090	22.8659	-5.62	38.76
1794	Shell-Thick	SLU-SISMICA	7.3018	39.8254	-6.22	60.79
1794	Shell-Thick	SLU-SISMICA	9.0919	48.8883	-3.92	60.79
1794	Shell-Thick	SLU-SISMICA	9.9620	47.1597	-3.92	58.48
1794	Shell-Thick	SLU-SISMICA	7.9539	38.3165	-6.22	58.48
1794	Shell-Thick	SLE-RARA	3.1108	17.2699	-4.23	29.86
1794	Shell-Thick	SLE-RARA	3.9462	21.7096	-2.76	29.86
1794	Shell-Thick	SLE-RARA	4.5370	20.8615	-2.76	28.39
1794	Shell-Thick	SLE-RARA	3.5680	16.5566	-4.23	28.39
1794	Shell-Thick	SLE-FREQ.	2.7876	15.5306	-4.07	27.47
1794	Shell-Thick	SLE-FREQ.	3.5494	19.6138	-2.67	27.47
1794	Shell-Thick	SLE-FREQ.	4.1187	18.8336	-2.67	26.07
1794	Shell-Thick	SLE-FREQ.	3.2298	14.8786	-4.07	26.07
1794	Shell-Thick	SLE-QP	1.8181	10.3126	-3.61	20.32
1794	Shell-Thick	SLE-QP	2.3590	13.3263	-2.40	20.32
1794	Shell-Thick	SLE-QP	2.8637	12.7498	-2.40	19.11
1794	Shell-Thick	SLE-QP	2.2152	9.8447	-3.61	19.11
1795	Shell-Thick	SLU-STATICA	4.1758	22.7586	-5.65	38.80
1795	Shell-Thick	SLU-STATICA	5.2381	28.5040	-3.68	38.80
1795	Shell-Thick	SLU-STATICA	6.0058	27.2135	-3.68	36.83
1795	Shell-Thick	SLU-STATICA	4.8074	21.6057	-5.65	36.83
1795	Shell-Thick	SLU-SISMICA	7.0840	38.1892	-6.33	58.52
1795	Shell-Thick	SLU-SISMICA	8.7780	46.8762	-3.98	58.52
1795	Shell-Thick	SLU-SISMICA	9.6283	44.9186	-3.98	56.18
1795	Shell-Thick	SLU-SISMICA	7.7819	36.3857	-6.33	56.18
1795	Shell-Thick	SLE-RARA	3.0193	16.4763	-4.24	28.42
1795	Shell-Thick	SLE-RARA	3.7927	20.6832	-2.77	28.42
1795	Shell-Thick	SLE-RARA	4.3704	19.7386	-2.77	26.94
1795	Shell-Thick	SLE-RARA	3.4945	15.6351	-4.24	26.94
1795	Shell-Thick	SLE-FREQ.	2.7058	14.8019	-4.08	26.09
1795	Shell-Thick	SLE-FREQ.	3.4083	18.6634	-2.68	26.09
1795	Shell-Thick	SLE-FREQ.	3.9649	17.7969	-2.68	24.69
1795	Shell-Thick	SLE-FREQ.	3.1639	14.0349	-4.08	24.69
1795	Shell-Thick	SLE-QP	1.7655	9.7789	-3.60	19.13
1795	Shell-Thick	SLE-QP	2.2550	12.6039	-2.39	19.13
1795	Shell-Thick	SLE-QP	2.7485	11.9717	-2.39	17.92
1795	Shell-Thick	SLE-QP	2.1721	9.2345	-3.60	17.92
1796	Shell-Thick	SLU-STATICA	4.1061	21.5029	-5.63	36.86
1796	Shell-Thick	SLU-STATICA	4.9750	26.9699	-3.65	36.86
1796	Shell-Thick	SLU-STATICA	5.7532	25.7986	-3.65	34.88
1796	Shell-Thick	SLU-STATICA	4.7215	20.4958	-5.63	34.88
1796	Shell-Thick	SLU-SISMICA	6.9541	36.2636	-6.41	56.22
1796	Shell-Thick	SLU-SISMICA	8.3735	44.6242	-4.02	56.22
1796	Shell-Thick	SLU-SISMICA	9.2561	42.8486	-4.02	53.82
1796	Shell-Thick	SLU-SISMICA	7.6370	34.6895	-6.41	53.82
1796	Shell-Thick	SLE-RARA	2.9694	15.5581	-4.23	26.97
1796	Shell-Thick	SLE-RARA	3.6004	19.5565	-2.75	26.97
1796	Shell-Thick	SLE-RARA	4.1849	18.6991	-2.75	25.48
1796	Shell-Thick	SLE-RARA	3.4324	14.8233	-4.23	25.48
1796	Shell-Thick	SLE-FREQ.	2.6622	13.9615	-4.06	24.71
1796	Shell-Thick	SLE-FREQ.	3.2324	17.6235	-2.65	24.71
1796	Shell-Thick	SLE-FREQ.	3.7938	16.8368	-2.65	23.30
1796	Shell-Thick	SLE-FREQ.	3.1082	13.2913	-4.06	23.30
1796	Shell-Thick	SLE-QP	1.7404	9.1715	-3.56	17.94
1796	Shell-Thick	SLE-QP	2.1282	11.8243	-2.36	17.94
1796	Shell-Thick	SLE-QP	2.6206	11.2501	-2.36	16.74
1796	Shell-Thick	SLE-QP	2.1355	8.6955	-3.56	16.74
1797	Shell-Thick	SLU-STATICA	3.9495	20.3958	-5.46	34.93
1797	Shell-Thick	SLU-STATICA	4.8100	25.5556	-3.54	34.93
1797	Shell-Thick	SLU-STATICA	5.5450	24.2770	-3.54	33.01
1797	Shell-Thick	SLU-STATICA	4.5659	19.2373	-5.46	33.01
1797	Shell-Thick	SLU-SISMICA	6.6825	34.5694	-6.30	53.89
1797	Shell-Thick	SLU-SISMICA	8.1207	42.5507	-3.95	53.89
1797	Shell-Thick	SLU-SISMICA	8.9563	40.5896	-3.95	51.54
1797	Shell-Thick	SLU-SISMICA	7.3849	32.7432	-6.30	51.54
1797	Shell-Thick	SLE-RARA	2.8565	14.7485	-4.10	25.52
1797	Shell-Thick	SLE-RARA	3.4797	18.5177	-2.66	25.52
1797	Shell-Thick	SLE-RARA	4.0317	17.5829	-2.66	24.09

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1797	Shell-Thick	SLE-RARA	3.3193	13.9040	-4.10	24.09
1797	Shell-Thick	SLE-FREQ.	2.5615	13.2200	-3.93	23.34
1797	Shell-Thick	SLE-FREQ.	3.1219	16.6644	-2.56	23.34
1797	Shell-Thick	SLE-FREQ.	3.6520	15.8088	-2.56	21.97
1797	Shell-Thick	SLE-FREQ.	3.0058	12.4512	-3.93	21.97
1797	Shell-Thick	SLE-QP	1.6764	8.6347	-3.42	16.77
1797	Shell-Thick	SLE-QP	2.0482	11.1046	-2.27	16.77
1797	Shell-Thick	SLE-QP	2.5127	10.4864	-2.27	15.62
1797	Shell-Thick	SLE-QP	2.0653	8.0930	-3.42	15.62
1798	Shell-Thick	SLU-STATICA	3.9187	19.1447	-5.20	33.04
1798	Shell-Thick	SLU-STATICA	4.5253	24.0363	-3.34	33.04
1798	Shell-Thick	SLU-STATICA	5.2366	22.8998	-3.34	31.19
1798	Shell-Thick	SLU-STATICA	4.4904	18.1492	-5.20	31.19
1798	Shell-Thick	SLU-SISMICA	6.6136	32.6321	-6.11	51.58
1798	Shell-Thick	SLU-SISMICA	7.6692	40.2889	-3.80	51.58
1798	Shell-Thick	SLU-SISMICA	8.4987	38.5490	-3.80	49.27
1798	Shell-Thick	SLU-SISMICA	7.2706	31.0665	-6.11	49.27
1798	Shell-Thick	SLE-RARA	2.8351	13.8347	-3.90	24.11
1798	Shell-Thick	SLE-RARA	3.2724	17.4035	-2.51	24.11
1798	Shell-Thick	SLE-RARA	3.8055	16.5723	-2.51	22.73
1798	Shell-Thick	SLE-RARA	3.2640	13.1088	-3.90	22.73
1798	Shell-Thick	SLE-FREQ.	2.5438	12.3851	-3.73	22.00
1798	Shell-Thick	SLE-FREQ.	2.9333	15.6387	-2.41	22.00
1798	Shell-Thick	SLE-FREQ.	3.4436	14.8776	-2.41	20.68
1798	Shell-Thick	SLE-FREQ.	2.9551	11.7240	-3.73	20.68
1798	Shell-Thick	SLE-QP	1.6697	8.0366	-3.21	15.64
1798	Shell-Thick	SLE-QP	1.9162	10.3444	-2.12	15.64
1798	Shell-Thick	SLE-QP	2.3578	9.7936	-2.12	14.54
1798	Shell-Thick	SLE-QP	2.0282	7.5697	-3.21	14.54
1799	Shell-Thick	SLU-STATICA	3.7533	18.0632	-4.76	31.25
1799	Shell-Thick	SLU-STATICA	4.4571	22.6824	-3.06	31.25
1799	Shell-Thick	SLU-STATICA	5.0216	21.6522	-3.06	29.79
1799	Shell-Thick	SLU-STATICA	4.1969	17.1103	-4.76	29.79
1799	Shell-Thick	SLU-SISMICA	6.3104	30.9601	-5.69	49.36
1799	Shell-Thick	SLU-SISMICA	7.5492	38.2735	-3.54	49.36
1799	Shell-Thick	SLU-SISMICA	8.2124	36.6848	-3.54	47.52
1799	Shell-Thick	SLU-SISMICA	6.8381	29.4582	-5.69	47.52
1799	Shell-Thick	SLE-RARA	2.7166	13.0446	-3.56	22.78
1799	Shell-Thick	SLE-RARA	3.2232	16.4105	-2.29	22.78
1799	Shell-Thick	SLE-RARA	3.6461	15.6577	-2.29	21.69
1799	Shell-Thick	SLE-RARA	3.0485	12.3499	-3.56	21.69
1799	Shell-Thick	SLE-FREQ.	2.4395	11.6631	-3.39	20.73
1799	Shell-Thick	SLE-FREQ.	2.8897	14.7246	-2.19	20.73
1799	Shell-Thick	SLE-FREQ.	3.2939	14.0363	-2.19	19.70
1799	Shell-Thick	SLE-FREQ.	2.7563	11.0307	-3.39	19.70
1799	Shell-Thick	SLE-QP	1.6081	7.5185	-2.90	14.58
1799	Shell-Thick	SLE-QP	1.8889	9.6669	-1.90	14.58
1799	Shell-Thick	SLE-QP	2.2376	9.1719	-1.90	13.72
1799	Shell-Thick	SLE-QP	1.8796	7.0729	-2.90	13.72
1800	Shell-Thick	SLU-STATICA	3.6333	17.0277	-4.22	29.81
1800	Shell-Thick	SLU-STATICA	4.0907	21.4359	-2.61	29.81
1800	Shell-Thick	SLU-STATICA	4.7216	20.1991	-2.61	27.98
1800	Shell-Thick	SLU-STATICA	4.1724	15.9292	-4.22	27.98
1800	Shell-Thick	SLU-SISMICA	6.1517	29.3563	-5.19	47.55
1800	Shell-Thick	SLU-SISMICA	6.9915	36.4053	-3.13	47.55
1800	Shell-Thick	SLU-SISMICA	7.7608	34.5092	-3.13	45.20
1800	Shell-Thick	SLU-SISMICA	6.8072	27.6316	-5.19	45.20
1800	Shell-Thick	SLE-RARA	2.6276	12.2883	-3.15	21.71
1800	Shell-Thick	SLE-RARA	2.9552	15.4970	-1.95	21.71
1800	Shell-Thick	SLE-RARA	3.4263	14.5927	-1.95	20.34
1800	Shell-Thick	SLE-RARA	3.0303	11.4871	-3.15	20.34
1800	Shell-Thick	SLE-FREQ.	2.3559	10.9722	-2.99	19.72
1800	Shell-Thick	SLE-FREQ.	2.6439	13.8847	-1.86	19.72
1800	Shell-Thick	SLE-FREQ.	3.0921	13.0569	-1.86	18.42
1800	Shell-Thick	SLE-FREQ.	2.7390	10.2422	-2.99	18.42
1800	Shell-Thick	SLE-QP	1.5406	7.0237	-2.52	13.74
1800	Shell-Thick	SLE-QP	1.7102	9.0478	-1.59	13.74
1800	Shell-Thick	SLE-QP	2.0894	8.4494	-1.59	12.67
1800	Shell-Thick	SLE-QP	1.8653	6.5073	-2.52	12.67

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1801	Shell-Thick	SLU-STATICA	3.3929	15.8383	-3.61	28.05
1801	Shell-Thick	SLU-STATICA	3.9773	19.9853	-2.22	28.05
1801	Shell-Thick	SLU-STATICA	4.4550	18.9343	-2.22	26.66
1801	Shell-Thick	SLU-STATICA	3.7899	14.8691	-3.61	26.66
1801	Shell-Thick	SLU-SISMICA	5.7640	27.5158	-4.54	45.30
1801	Shell-Thick	SLU-SISMICA	6.8186	34.2278	-2.74	45.30
1801	Shell-Thick	SLU-SISMICA	7.4117	32.6123	-2.74	43.49
1801	Shell-Thick	SLU-SISMICA	6.2638	25.9949	-4.54	43.49
1801	Shell-Thick	SLE-RARA	2.4528	11.4195	-2.69	20.39
1801	Shell-Thick	SLE-RARA	2.8722	14.4340	-1.65	20.39
1801	Shell-Thick	SLE-RARA	3.2284	13.6657	-1.65	19.36
1801	Shell-Thick	SLE-RARA	2.7485	10.7126	-2.69	19.36
1801	Shell-Thick	SLE-FREQ.	2.1975	10.1783	-2.54	18.47
1801	Shell-Thick	SLE-FREQ.	2.5679	12.9076	-1.57	18.47
1801	Shell-Thick	SLE-FREQ.	2.9059	12.2047	-1.57	17.50
1801	Shell-Thick	SLE-FREQ.	2.4774	9.5341	-2.54	17.50
1801	Shell-Thick	SLE-QP	1.4315	6.4546	-2.12	12.71
1801	Shell-Thick	SLE-QP	1.6550	8.3285	-1.32	12.71
1801	Shell-Thick	SLE-QP	1.9381	7.8216	-1.32	11.92
1801	Shell-Thick	SLE-QP	1.6642	5.9987	-2.12	11.92
1802	Shell-Thick	SLU-STATICA	3.3190	14.7965	-3.11	26.68
1802	Shell-Thick	SLU-STATICA	3.6728	18.7562	-1.90	26.68
1802	Shell-Thick	SLU-STATICA	4.0939	17.7897	-1.90	25.47
1802	Shell-Thick	SLU-STATICA	3.6496	13.9214	-3.11	25.47
1802	Shell-Thick	SLU-SISMICA	5.6727	25.9025	-3.97	43.52
1802	Shell-Thick	SLU-SISMICA	6.3511	32.3744	-2.39	43.52
1802	Shell-Thick	SLU-SISMICA	6.8860	30.8892	-2.39	41.94
1802	Shell-Thick	SLU-SISMICA	6.0933	24.5327	-3.97	41.94
1802	Shell-Thick	SLE-RARA	2.3977	10.6586	-2.31	19.37
1802	Shell-Thick	SLE-RARA	2.6496	13.5338	-1.41	19.37
1802	Shell-Thick	SLE-RARA	2.9630	12.8273	-1.41	18.48
1802	Shell-Thick	SLE-RARA	2.6437	10.0201	-2.31	18.48
1802	Shell-Thick	SLE-FREQ.	2.1452	9.4831	-2.18	17.51
1802	Shell-Thick	SLE-FREQ.	2.3642	12.0809	-1.34	17.51
1802	Shell-Thick	SLE-FREQ.	2.6605	11.4345	-1.34	16.67
1802	Shell-Thick	SLE-FREQ.	2.3777	8.9010	-2.18	16.67
1802	Shell-Thick	SLE-QP	1.3875	5.9566	-1.80	11.93
1802	Shell-Thick	SLE-QP	1.5079	7.7224	-1.11	11.93
1802	Shell-Thick	SLE-QP	1.7529	7.2561	-1.11	11.24
1802	Shell-Thick	SLE-QP	1.5796	5.5437	-1.80	11.24
1803	Shell-Thick	SLU-STATICA	3.0506	13.8493	-2.65	25.52
1803	Shell-Thick	SLU-STATICA	3.5610	17.6354	-1.61	25.52
1803	Shell-Thick	SLU-STATICA	3.9139	16.7542	-1.61	24.48
1803	Shell-Thick	SLU-STATICA	3.3381	13.0343	-2.65	24.48
1803	Shell-Thick	SLU-SISMICA	5.2678	24.4375	-3.43	42.01
1803	Shell-Thick	SLU-SISMICA	6.1951	30.6811	-2.06	42.01
1803	Shell-Thick	SLU-SISMICA	6.6461	29.3251	-2.06	40.64
1803	Shell-Thick	SLU-SISMICA	5.6407	23.1607	-3.43	40.64
1803	Shell-Thick	SLE-RARA	2.2011	9.9666	-1.97	18.51
1803	Shell-Thick	SLE-RARA	2.5671	12.7131	-1.20	18.51
1803	Shell-Thick	SLE-RARA	2.8296	12.0690	-1.20	17.74
1803	Shell-Thick	SLE-RARA	2.4147	9.3721	-1.97	17.74
1803	Shell-Thick	SLE-FREQ.	1.9646	8.8507	-1.86	16.70
1803	Shell-Thick	SLE-FREQ.	2.2873	11.3275	-1.13	16.70
1803	Shell-Thick	SLE-FREQ.	2.5353	10.7383	-1.13	15.98
1803	Shell-Thick	SLE-FREQ.	2.1659	8.3088	-1.86	15.98
1803	Shell-Thick	SLE-QP	1.2551	5.5031	-1.52	11.27
1803	Shell-Thick	SLE-QP	1.4480	7.1708	-0.94	11.27
1803	Shell-Thick	SLE-QP	1.6524	6.7463	-0.94	10.68
1803	Shell-Thick	SLE-QP	1.4196	5.1190	-1.52	10.68
1804	Shell-Thick	SLU-STATICA	2.9629	12.9722	-2.24	24.49
1804	Shell-Thick	SLU-STATICA	3.3034	16.6192	-1.36	24.49
1804	Shell-Thick	SLU-STATICA	3.6091	15.8026	-1.36	23.62
1804	Shell-Thick	SLU-STATICA	3.1976	12.2273	-2.24	23.62
1804	Shell-Thick	SLU-SISMICA	5.1535	23.0784	-2.91	40.65
1804	Shell-Thick	SLU-SISMICA	5.8007	29.1408	-1.75	40.65
1804	Shell-Thick	SLU-SISMICA	6.1966	27.8809	-1.75	39.50
1804	Shell-Thick	SLU-SISMICA	5.4580	21.9108	-2.91	39.50
1804	Shell-Thick	SLE-RARA	2.1359	9.3260	-1.66	17.75

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1804	Shell-Thick	SLE-RARA	2.3787	11.9691	-1.01	17.75
1804	Shell-Thick	SLE-RARA	2.6058	11.3725	-1.01	17.10
1804	Shell-Thick	SLE-RARA	2.3103	8.7827	-1.66	17.10
1804	Shell-Thick	SLE-FREQ.	1.9033	8.2655	-1.56	15.99
1804	Shell-Thick	SLE-FREQ.	2.1148	10.6449	-0.96	15.99
1804	Shell-Thick	SLE-FREQ.	2.3289	10.0994	-0.96	15.38
1804	Shell-Thick	SLE-FREQ.	2.0676	7.7703	-1.56	15.38
1804	Shell-Thick	SLE-QP	1.2052	5.0841	-1.28	10.69
1804	Shell-Thick	SLE-QP	1.3231	6.6725	-0.78	10.69
1804	Shell-Thick	SLE-QP	1.4982	6.2804	-0.78	10.20
1804	Shell-Thick	SLE-QP	1.3394	4.7333	-1.28	10.20
1805	Shell-Thick	SLU-STATICA	2.7382	12.1673	-1.88	23.65
1805	Shell-Thick	SLU-STATICA	3.2006	15.6890	-1.14	23.65
1805	Shell-Thick	SLU-STATICA	3.4537	14.9805	-1.14	22.91
1805	Shell-Thick	SLU-STATICA	2.9384	11.5124	-1.88	22.91
1805	Shell-Thick	SLU-SISMICA	4.8138	21.8290	-2.46	39.55
1805	Shell-Thick	SLU-SISMICA	5.6535	27.7252	-1.47	39.55
1805	Shell-Thick	SLU-SISMICA	5.9817	26.6319	-1.47	38.56
1805	Shell-Thick	SLU-SISMICA	5.0762	20.8023	-2.46	38.56
1805	Shell-Thick	SLE-RARA	1.9714	8.7383	-1.40	17.13
1805	Shell-Thick	SLE-RARA	2.3030	11.2885	-0.85	17.13
1805	Shell-Thick	SLE-RARA	2.4911	10.7708	-0.85	16.58
1805	Shell-Thick	SLE-RARA	2.1200	8.2605	-1.40	16.58
1805	Shell-Thick	SLE-FREQ.	1.7522	7.7288	-1.31	15.40
1805	Shell-Thick	SLE-FREQ.	2.0446	10.0210	-0.80	15.40
1805	Shell-Thick	SLE-FREQ.	2.2219	9.5477	-0.80	14.89
1805	Shell-Thick	SLE-FREQ.	1.8921	7.2934	-1.31	14.89
1805	Shell-Thick	SLE-QP	1.0947	4.7004	-1.07	10.21
1805	Shell-Thick	SLE-QP	1.2695	6.2186	-0.65	10.21
1805	Shell-Thick	SLE-QP	1.4144	5.8784	-0.65	9.80
1805	Shell-Thick	SLE-QP	1.2082	4.3920	-1.07	9.80
1806	Shell-Thick	SLU-STATICA	2.6398	11.4599	-1.56	22.91
1806	Shell-Thick	SLU-STATICA	2.9981	14.8821	-0.95	22.91
1806	Shell-Thick	SLU-STATICA	3.2142	14.2293	-0.95	22.30
1806	Shell-Thick	SLU-STATICA	2.8001	10.8633	-1.56	22.30
1806	Shell-Thick	SLU-SISMICA	4.6741	20.7301	-2.04	38.57
1806	Shell-Thick	SLU-SISMICA	5.3420	26.4957	-1.23	38.57
1806	Shell-Thick	SLU-SISMICA	5.6245	25.4842	-1.23	37.75
1806	Shell-Thick	SLU-SISMICA	4.8829	19.7929	-2.04	37.75
1806	Shell-Thick	SLE-RARA	1.8989	8.2218	-1.16	16.58
1806	Shell-Thick	SLE-RARA	2.1550	10.6981	-0.70	16.58
1806	Shell-Thick	SLE-RARA	2.3154	10.2213	-0.70	16.13
1806	Shell-Thick	SLE-RARA	2.0180	7.7866	-1.16	16.13
1806	Shell-Thick	SLE-FREQ.	1.6849	7.2572	-1.09	14.89
1806	Shell-Thick	SLE-FREQ.	1.9092	9.4799	-0.66	14.89
1806	Shell-Thick	SLE-FREQ.	2.0602	9.0443	-0.66	14.46
1806	Shell-Thick	SLE-FREQ.	1.7971	6.8608	-1.09	14.46
1806	Shell-Thick	SLE-QP	1.0429	4.3636	-0.88	9.80
1806	Shell-Thick	SLE-QP	1.1720	5.8253	-0.54	9.80
1806	Shell-Thick	SLE-QP	1.2947	5.5134	-0.54	9.46
1806	Shell-Thick	SLE-QP	1.1343	4.0833	-0.88	9.46
1807	Shell-Thick	SLU-STATICA	2.4563	10.8138	-1.30	22.32
1807	Shell-Thick	SLU-STATICA	2.9023	14.1476	-0.78	22.32
1807	Shell-Thick	SLU-STATICA	3.0795	13.5964	-0.78	21.81
1807	Shell-Thick	SLU-STATICA	2.5908	10.3057	-1.30	21.81
1807	Shell-Thick	SLU-SISMICA	4.3934	19.7232	-1.70	37.78
1807	Shell-Thick	SLU-SISMICA	5.1994	25.3709	-1.01	37.78
1807	Shell-Thick	SLU-SISMICA	5.4307	24.5172	-1.01	37.09
1807	Shell-Thick	SLU-SISMICA	4.5695	18.9253	-1.70	37.09
1807	Shell-Thick	SLE-RARA	1.7647	7.7501	-0.96	16.14
1807	Shell-Thick	SLE-RARA	2.0847	10.1610	-0.58	16.14
1807	Shell-Thick	SLE-RARA	2.2163	9.7584	-0.58	15.76
1807	Shell-Thick	SLE-RARA	1.8645	7.3796	-0.96	15.76
1807	Shell-Thick	SLE-FREQ.	1.5620	6.8269	-0.90	14.47
1807	Shell-Thick	SLE-FREQ.	1.8446	8.9881	-0.55	14.47
1807	Shell-Thick	SLE-FREQ.	1.9684	8.6203	-0.55	14.12
1807	Shell-Thick	SLE-FREQ.	1.6560	6.4892	-0.90	14.12
1807	Shell-Thick	SLE-QP	0.9539	4.0570	-0.73	9.47
1807	Shell-Thick	SLE-QP	1.1240	5.4695	-0.45	9.47

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1807	Shell-Thick	SLE-QP	1.2248	5.2060	-0.45	9.18
1807	Shell-Thick	SLE-QP	1.0302	3.8183	-0.73	9.18
1808	Shell-Thick	SLU-STATICA	2.3529	10.2619	-1.06	21.81
1808	Shell-Thick	SLU-STATICA	2.7474	13.5262	-0.64	21.81
1808	Shell-Thick	SLU-STATICA	2.8971	13.0221	-0.64	21.38
1808	Shell-Thick	SLU-STATICA	2.4584	9.8023	-1.06	21.38
1808	Shell-Thick	SLU-SISMICA	4.2378	18.8628	-1.39	37.09
1808	Shell-Thick	SLU-SISMICA	4.9596	24.4191	-0.83	37.09
1808	Shell-Thick	SLU-SISMICA	5.1564	23.6343	-0.83	36.53
1808	Shell-Thick	SLU-SISMICA	4.3744	18.1387	-1.39	36.53
1808	Shell-Thick	SLE-RARA	1.6889	7.3473	-0.79	15.76
1808	Shell-Thick	SLE-RARA	1.9716	9.7066	-0.47	15.76
1808	Shell-Thick	SLE-RARA	2.0827	9.3386	-0.47	15.45
1808	Shell-Thick	SLE-RARA	1.7674	7.0122	-0.79	15.45
1808	Shell-Thick	SLE-FREQ.	1.4924	6.4593	-0.74	14.12
1808	Shell-Thick	SLE-FREQ.	1.7411	8.5721	-0.45	14.12
1808	Shell-Thick	SLE-FREQ.	1.8457	8.2362	-0.45	13.82
1808	Shell-Thick	SLE-FREQ.	1.5664	6.1542	-0.74	13.82
1808	Shell-Thick	SLE-QP	0.9027	3.7953	-0.60	9.18
1808	Shell-Thick	SLE-QP	1.0499	5.1685	-0.37	9.18
1808	Shell-Thick	SLE-QP	1.1346	4.9291	-0.37	8.95
1808	Shell-Thick	SLE-QP	0.9633	3.5802	-0.60	8.95
1809	Shell-Thick	SLU-STATICA	2.2039	9.7615	-0.87	21.39
1809	Shell-Thick	SLU-STATICA	2.6582	12.9642	-0.52	21.39
1809	Shell-Thick	SLU-STATICA	2.7798	12.5442	-0.52	21.04
1809	Shell-Thick	SLU-STATICA	2.2909	9.3764	-0.87	21.04
1809	Shell-Thick	SLU-SISMICA	4.0070	18.0796	-1.14	36.54
1809	Shell-Thick	SLU-SISMICA	4.8222	23.5532	-0.67	36.54
1809	Shell-Thick	SLU-SISMICA	4.9816	22.8994	-0.67	36.07
1809	Shell-Thick	SLU-SISMICA	4.1197	17.4729	-1.14	36.07
1809	Shell-Thick	SLE-RARA	1.5801	6.9822	-0.65	15.46
1809	Shell-Thick	SLE-RARA	1.9064	9.2959	-0.39	15.46
1809	Shell-Thick	SLE-RARA	1.9967	8.9893	-0.39	15.19
1809	Shell-Thick	SLE-RARA	1.6448	6.7014	-0.65	15.19
1809	Shell-Thick	SLE-FREQ.	1.3930	6.1265	-0.61	13.83
1809	Shell-Thick	SLE-FREQ.	1.6816	8.1965	-0.36	13.83
1809	Shell-Thick	SLE-FREQ.	1.7665	7.9166	-0.36	13.59
1809	Shell-Thick	SLE-FREQ.	1.4539	5.8708	-0.61	13.59
1809	Shell-Thick	SLE-QP	0.8315	3.5592	-0.49	8.95
1809	Shell-Thick	SLE-QP	1.0070	4.8982	-0.30	8.95
1809	Shell-Thick	SLE-QP	1.0760	4.6987	-0.30	8.76
1809	Shell-Thick	SLE-QP	0.8813	3.3790	-0.49	8.76
1810	Shell-Thick	SLU-STATICA	2.0996	9.3397	-0.70	21.04
1810	Shell-Thick	SLU-STATICA	2.5415	12.4949	-0.42	21.04
1810	Shell-Thick	SLU-STATICA	2.6436	12.1095	-0.42	20.75
1810	Shell-Thick	SLU-STATICA	2.1657	8.9904	-0.70	20.75
1810	Shell-Thick	SLU-SISMICA	3.8437	17.4189	-0.92	36.07
1810	Shell-Thick	SLU-SISMICA	4.6406	22.8300	-0.54	36.07
1810	Shell-Thick	SLU-SISMICA	4.7753	22.2252	-0.54	35.68
1810	Shell-Thick	SLU-SISMICA	3.9274	16.8654	-0.92	35.68
1810	Shell-Thick	SLE-RARA	1.5040	6.6745	-0.52	15.19
1810	Shell-Thick	SLE-RARA	1.8212	8.9530	-0.31	15.19
1810	Shell-Thick	SLE-RARA	1.8969	8.6719	-0.31	14.98
1810	Shell-Thick	SLE-RARA	1.5533	6.4200	-0.52	14.98
1810	Shell-Thick	SLE-FREQ.	1.3236	5.8460	-0.49	13.59
1810	Shell-Thick	SLE-FREQ.	1.6038	7.8829	-0.29	13.59
1810	Shell-Thick	SLE-FREQ.	1.6750	7.6267	-0.29	13.39
1810	Shell-Thick	SLE-FREQ.	1.3702	5.6146	-0.49	13.39
1810	Shell-Thick	SLE-QP	0.7824	3.3604	-0.40	8.76
1810	Shell-Thick	SLE-QP	0.9516	4.6726	-0.24	8.76
1810	Shell-Thick	SLE-QP	1.0091	4.4913	-0.24	8.60
1810	Shell-Thick	SLE-QP	0.8209	3.1981	-0.40	8.60
1811	Shell-Thick	SLU-STATICA	1.9764	8.9560	-0.57	20.76
1811	Shell-Thick	SLU-STATICA	2.4557	12.0685	-0.33	20.76
1811	Shell-Thick	SLU-STATICA	2.5375	11.7498	-0.33	20.52
1811	Shell-Thick	SLU-STATICA	2.0294	8.6662	-0.57	20.52
1811	Shell-Thick	SLU-SISMICA	3.6498	16.8137	-0.74	35.68
1811	Shell-Thick	SLU-SISMICA	4.5037	22.1671	-0.42	35.68
1811	Shell-Thick	SLU-SISMICA	4.6113	21.6663	-0.42	35.36

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1811	Shell-Thick	SLU-SISMICA	3.7167	16.3539	-0.74	35.36
1811	Shell-Thick	SLE-RARA	1.4142	6.3948	-0.42	14.98
1811	Shell-Thick	SLE-RARA	1.7588	8.6417	-0.25	14.98
1811	Shell-Thick	SLE-RARA	1.8195	8.4092	-0.25	14.81
1811	Shell-Thick	SLE-RARA	1.4537	6.1837	-0.42	14.81
1811	Shell-Thick	SLE-FREQ.	1.2418	5.5914	-0.40	13.39
1811	Shell-Thick	SLE-FREQ.	1.5471	7.5987	-0.23	13.39
1811	Shell-Thick	SLE-FREQ.	1.6042	7.3869	-0.23	13.22
1811	Shell-Thick	SLE-FREQ.	1.2792	5.3994	-0.40	13.22
1811	Shell-Thick	SLE-QP	0.7246	3.1811	-0.32	8.60
1811	Shell-Thick	SLE-QP	0.9121	4.4697	-0.19	8.60
1811	Shell-Thick	SLE-QP	0.9583	4.3200	-0.19	8.47
1811	Shell-Thick	SLE-QP	0.7557	3.0466	-0.32	8.47
1812	Shell-Thick	SLU-STATICA	1.8638	8.6336	-0.45	20.52
1812	Shell-Thick	SLU-STATICA	2.3663	11.7150	-0.26	20.52
1812	Shell-Thick	SLU-STATICA	2.4345	11.4119	-0.26	20.33
1812	Shell-Thick	SLU-STATICA	1.9011	8.3617	-0.45	20.33
1812	Shell-Thick	SLU-SISMICA	3.4661	16.3040	-0.58	35.36
1812	Shell-Thick	SLU-SISMICA	4.3631	21.6165	-0.32	35.36
1812	Shell-Thick	SLU-SISMICA	4.4538	21.1330	-0.32	35.10
1812	Shell-Thick	SLU-SISMICA	3.5106	15.8669	-0.58	35.10
1812	Shell-Thick	SLE-RARA	1.3325	6.1599	-0.33	14.81
1812	Shell-Thick	SLE-RARA	1.6936	8.3836	-0.19	14.81
1812	Shell-Thick	SLE-RARA	1.7441	8.1629	-0.19	14.67
1812	Shell-Thick	SLE-RARA	1.3603	5.9621	-0.33	14.67
1812	Shell-Thick	SLE-FREQ.	1.1679	5.3776	-0.31	13.22
1812	Shell-Thick	SLE-FREQ.	1.4877	7.3631	-0.18	13.22
1812	Shell-Thick	SLE-FREQ.	1.5352	7.1628	-0.18	13.09
1812	Shell-Thick	SLE-FREQ.	1.1945	5.1983	-0.31	13.09
1812	Shell-Thick	SLE-QP	0.6744	3.0309	-0.26	8.47
1812	Shell-Thick	SLE-QP	0.8702	4.3018	-0.15	8.47
1812	Shell-Thick	SLE-QP	0.9083	4.1623	-0.15	8.36
1812	Shell-Thick	SLE-QP	0.6971	2.9069	-0.26	8.36
1813	Shell-Thick	SLU-STATICA	1.7457	8.3289	-0.35	20.32
1813	Shell-Thick	SLU-STATICA	2.2694	11.3806	-0.19	20.32
1813	Shell-Thick	SLU-STATICA	2.3228	11.1338	-0.19	20.17
1813	Shell-Thick	SLU-STATICA	1.7740	8.1074	-0.35	20.17
1813	Shell-Thick	SLU-SISMICA	3.2734	15.8151	-0.45	35.10
1813	Shell-Thick	SLU-SISMICA	4.2011	21.0868	-0.24	35.10
1813	Shell-Thick	SLU-SISMICA	4.2719	20.6918	-0.24	34.88
1813	Shell-Thick	SLU-SISMICA	3.3064	15.4580	-0.45	34.88
1813	Shell-Thick	SLE-RARA	1.2467	5.9381	-0.26	14.66
1813	Shell-Thick	SLE-RARA	1.6234	8.1400	-0.14	14.66
1813	Shell-Thick	SLE-RARA	1.6630	7.9603	-0.14	14.55
1813	Shell-Thick	SLE-RARA	1.2678	5.7771	-0.26	14.55
1813	Shell-Thick	SLE-FREQ.	1.0904	5.1765	-0.25	13.09
1813	Shell-Thick	SLE-FREQ.	1.4246	7.1416	-0.14	13.09
1813	Shell-Thick	SLE-FREQ.	1.4618	6.9786	-0.14	12.98
1813	Shell-Thick	SLE-FREQ.	1.1106	5.0305	-0.25	12.98
1813	Shell-Thick	SLE-QP	0.6215	2.8916	-0.20	8.36
1813	Shell-Thick	SLE-QP	0.8283	4.1465	-0.11	8.36
1813	Shell-Thick	SLE-QP	0.8582	4.0333	-0.11	8.27
1813	Shell-Thick	SLE-QP	0.6390	2.7910	-0.20	8.27
1814	Shell-Thick	SLU-STATICA	1.5891	8.0720	-0.26	20.17
1814	Shell-Thick	SLU-STATICA	2.1856	11.1048	-0.14	20.17
1814	Shell-Thick	SLU-STATICA	2.2302	10.8451	-0.14	20.04
1814	Shell-Thick	SLU-STATICA	1.6045	7.8416	-0.26	20.04
1814	Shell-Thick	SLU-SISMICA	3.0034	15.4000	-0.33	34.88
1814	Shell-Thick	SLU-SISMICA	4.0630	20.6474	-0.17	34.88
1814	Shell-Thick	SLU-SISMICA	4.1237	20.2200	-0.17	34.72
1814	Shell-Thick	SLU-SISMICA	3.0177	15.0190	-0.33	34.72
1814	Shell-Thick	SLE-RARA	1.1337	5.7514	-0.19	14.55
1814	Shell-Thick	SLE-RARA	1.5626	7.9391	-0.10	14.55
1814	Shell-Thick	SLE-RARA	1.5956	7.7507	-0.10	14.46
1814	Shell-Thick	SLE-RARA	1.1454	5.5843	-0.19	14.46
1814	Shell-Thick	SLE-FREQ.	0.9895	5.0074	-0.18	12.98
1814	Shell-Thick	SLE-FREQ.	1.3698	6.9591	-9.911E-02	12.98
1814	Shell-Thick	SLE-FREQ.	1.4006	6.7892	-9.911E-02	12.89
1814	Shell-Thick	SLE-FREQ.	1.0010	4.8568	-0.18	12.89



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1814	Shell-Thick	SLE-QP	0.5569	2.7753	-0.15	8.27
1814	Shell-Thick	SLE-QP	0.7913	4.0192	-8.462E-02	8.27
1814	Shell-Thick	SLE-QP	0.8158	3.9045	-8.462E-02	8.21
1814	Shell-Thick	SLE-QP	0.5679	2.6742	-0.15	8.21
1815	Shell-Thick	SLU-STATICA	1.4092	7.7971	-0.20	20.04
1815	Shell-Thick	SLU-STATICA	2.0224	10.8091	-9.847E-02	20.04
1815	Shell-Thick	SLU-STATICA	2.0563	10.6363	-9.847E-02	19.94
1815	Shell-Thick	SLU-STATICA	1.4199	7.6477	-0.20	19.94
1815	Shell-Thick	SLU-SISMICA	2.6874	14.9427	-0.26	34.70
1815	Shell-Thick	SLU-SISMICA	3.7735	20.1603	-0.12	34.70
1815	Shell-Thick	SLU-SISMICA	3.8202	19.8797	-0.12	34.56
1815	Shell-Thick	SLU-SISMICA	2.6967	14.6995	-0.26	34.56
1815	Shell-Thick	SLE-RARA	1.0042	5.5522	-0.15	14.45
1815	Shell-Thick	SLE-RARA	1.4452	7.7245	-7.374E-02	14.45
1815	Shell-Thick	SLE-RARA	1.4703	7.5990	-7.374E-02	14.38
1815	Shell-Thick	SLE-RARA	1.0123	5.4436	-0.15	14.38
1815	Shell-Thick	SLE-FREQ.	0.8744	4.8280	-0.14	12.89
1815	Shell-Thick	SLE-FREQ.	1.2656	6.7656	-7.049E-02	12.89
1815	Shell-Thick	SLE-FREQ.	1.2890	6.6520	-7.049E-02	12.82
1815	Shell-Thick	SLE-FREQ.	0.8824	4.7299	-0.14	12.82
1815	Shell-Thick	SLE-QP	0.4849	2.6556	-0.11	8.20
1815	Shell-Thick	SLE-QP	0.7270	3.8887	-6.073E-02	8.20
1815	Shell-Thick	SLE-QP	0.7454	3.8110	-6.073E-02	8.15
1815	Shell-Thick	SLE-QP	0.4927	2.5886	-0.11	8.15
1816	Shell-Thick	SLU-STATICA	1.0774	7.5851	-0.13	19.94
1816	Shell-Thick	SLU-STATICA	1.8485	10.5888	-7.304E-02	19.94
1816	Shell-Thick	SLU-STATICA	1.8785	10.4017	-7.304E-02	19.88
1816	Shell-Thick	SLU-STATICA	1.0781	7.4272	-0.13	19.88
1816	Shell-Thick	SLU-SISMICA	2.0824	14.5876	-0.17	34.57
1816	Shell-Thick	SLU-SISMICA	3.4571	19.7961	-9.058E-02	34.57
1816	Shell-Thick	SLU-SISMICA	3.5011	19.4873	-9.058E-02	34.49
1816	Shell-Thick	SLU-SISMICA	2.0773	14.3280	-0.17	34.49
1816	Shell-Thick	SLE-RARA	0.7663	5.3987	-9.778E-02	14.38
1816	Shell-Thick	SLE-RARA	1.3206	7.5648	-5.447E-02	14.38
1816	Shell-Thick	SLE-RARA	1.3425	7.4291	-5.447E-02	14.34
1816	Shell-Thick	SLE-RARA	0.7672	5.2841	-9.778E-02	14.34
1816	Shell-Thick	SLE-FREQ.	0.6648	4.6901	-9.227E-02	12.82
1816	Shell-Thick	SLE-FREQ.	1.1558	6.6217	-5.169E-02	12.82
1816	Shell-Thick	SLE-FREQ.	1.1761	6.4993	-5.169E-02	12.78
1816	Shell-Thick	SLE-FREQ.	0.6661	4.5866	-9.227E-02	12.78
1816	Shell-Thick	SLE-QP	0.3603	2.5643	-7.575E-02	8.15
1816	Shell-Thick	SLE-QP	0.6616	3.7921	-4.333E-02	8.15
1816	Shell-Thick	SLE-QP	0.6767	3.7098	-4.333E-02	8.12
1816	Shell-Thick	SLE-QP	0.3631	2.4944	-7.575E-02	8.12
1817	Shell-Thick	SLU-STATICA	0.6061	7.3129	-8.404E-02	19.86
1817	Shell-Thick	SLU-STATICA	1.2900	10.3039	-0.10	19.86
1817	Shell-Thick	SLU-STATICA	1.3127	10.6271	-0.10	19.88
1817	Shell-Thick	SLU-STATICA	0.6115	7.6532	-8.404E-02	19.88
1817	Shell-Thick	SLU-SISMICA	1.2062	14.1181	-0.11	34.45
1817	Shell-Thick	SLU-SISMICA	2.4252	19.3078	-0.16	34.45
1817	Shell-Thick	SLU-SISMICA	2.4606	19.9227	-0.16	34.50
1817	Shell-Thick	SLU-SISMICA	1.2124	14.7622	-0.11	34.50
1817	Shell-Thick	SLE-RARA	0.4294	5.2022	-6.222E-02	14.32
1817	Shell-Thick	SLE-RARA	0.9209	7.3591	-7.488E-02	14.32
1817	Shell-Thick	SLE-RARA	0.9375	7.5894	-7.488E-02	14.33
1817	Shell-Thick	SLE-RARA	0.4334	5.4450	-6.222E-02	14.33
1817	Shell-Thick	SLE-FREQ.	0.3695	4.5147	-5.828E-02	12.77
1817	Shell-Thick	SLE-FREQ.	0.8049	6.4377	-6.806E-02	12.77
1817	Shell-Thick	SLE-FREQ.	0.8200	6.6383	-6.806E-02	12.78
1817	Shell-Thick	SLE-FREQ.	0.3733	4.7265	-5.828E-02	12.78
1817	Shell-Thick	SLE-QP	0.1897	2.4521	-4.644E-02	8.11
1817	Shell-Thick	SLE-QP	0.4569	3.6735	-4.759E-02	8.11
1817	Shell-Thick	SLE-QP	0.4677	3.7852	-4.759E-02	8.11
1817	Shell-Thick	SLE-QP	0.1931	2.5711	-4.644E-02	8.11
1818	Shell-Thick	SLU-STATICA	0.2514	7.5138	-2.108E-02	19.80
1818	Shell-Thick	SLU-STATICA	0.2821	10.4883	3.441E-02	19.80
1818	Shell-Thick	SLU-STATICA	0.2900	10.6353	3.441E-02	19.75
1818	Shell-Thick	SLU-STATICA	0.2417	7.6741	-2.108E-02	19.75
1818	Shell-Thick	SLU-SISMICA	0.5023	14.4995	-2.635E-02	34.36



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1818	Shell-Thick	SLU-SISMICA	0.5519	19.6616	6.849E-02	34.36
1818	Shell-Thick	SLU-SISMICA	0.5645	19.9779	6.849E-02	34.27
1818	Shell-Thick	SLU-SISMICA	0.4840	14.8392	-2.635E-02	34.27
1818	Shell-Thick	SLE-RARA	0.1780	5.3455	-1.571E-02	14.28
1818	Shell-Thick	SLE-RARA	0.2003	7.4904	2.437E-02	14.28
1818	Shell-Thick	SLE-RARA	0.2060	7.5933	2.437E-02	14.24
1818	Shell-Thick	SLE-RARA	0.1711	5.4580	-1.571E-02	14.24
1818	Shell-Thick	SLE-FREQ.	0.1530	4.6396	-1.489E-02	12.73
1818	Shell-Thick	SLE-FREQ.	0.1732	6.5518	2.097E-02	12.73
1818	Shell-Thick	SLE-FREQ.	0.1784	6.6382	2.097E-02	12.69
1818	Shell-Thick	SLE-FREQ.	0.1469	4.7346	-1.489E-02	12.69
1818	Shell-Thick	SLE-QP	0.0779	2.5219	-1.243E-02	8.08
1818	Shell-Thick	SLE-QP	0.0918	3.7361	1.077E-02	8.08
1818	Shell-Thick	SLE-QP	0.0955	3.7732	1.077E-02	8.06
1818	Shell-Thick	SLE-QP	0.0745	2.5644	-1.243E-02	8.06
1819	Shell-Thick	SLU-STATICA	5.5020	0.2549	36.65	-0.99
1819	Shell-Thick	SLU-STATICA	3.0793	1.4614	21.14	-0.99
1819	Shell-Thick	SLU-STATICA	-1.0615	1.0196	21.14	14.52
1819	Shell-Thick	SLU-STATICA	0.9669	0.1958	36.65	14.52
1819	Shell-Thick	SLU-SISMICA	5.8112	0.1794	41.12	-1.16
1819	Shell-Thick	SLU-SISMICA	3.2164	1.6261	23.32	-1.16
1819	Shell-Thick	SLU-SISMICA	-1.3291	1.1203	23.32	16.64
1819	Shell-Thick	SLU-SISMICA	0.6833	0.2428	41.12	16.64
1819	Shell-Thick	SLE-RARA	4.1536	0.1969	27.55	-0.74
1819	Shell-Thick	SLE-RARA	2.3264	1.0991	15.91	-0.74
1819	Shell-Thick	SLE-RARA	-0.7910	0.7675	15.91	10.89
1819	Shell-Thick	SLE-RARA	0.7468	0.1460	27.55	10.89
1819	Shell-Thick	SLE-FREQ.	4.0258	0.1982	26.50	-0.71
1819	Shell-Thick	SLE-FREQ.	2.2578	1.0585	15.34	-0.71
1819	Shell-Thick	SLE-FREQ.	-0.7495	0.7403	15.34	10.45
1819	Shell-Thick	SLE-FREQ.	0.7517	0.1386	26.50	10.45
1819	Shell-Thick	SLE-QP	3.6424	0.2023	23.36	-0.62
1819	Shell-Thick	SLE-QP	2.0519	0.9366	13.63	-0.62
1819	Shell-Thick	SLE-QP	-0.6250	0.6587	13.63	9.12
1819	Shell-Thick	SLE-QP	0.7664	0.1162	23.36	9.12
1820	Shell-Thick	SLU-STATICA	4.5811	-0.2581	27.72	13.12
1820	Shell-Thick	SLU-STATICA	2.9571	3.0000	14.09	13.12
1820	Shell-Thick	SLU-STATICA	0.0892	4.3240	14.09	26.75
1820	Shell-Thick	SLU-STATICA	1.1731	1.5957	27.72	26.75
1820	Shell-Thick	SLU-SISMICA	5.7345	-0.2439	32.04	14.86
1820	Shell-Thick	SLU-SISMICA	3.4995	3.5830	16.18	14.86
1820	Shell-Thick	SLU-SISMICA	0.2923	5.3727	16.18	30.71
1820	Shell-Thick	SLU-SISMICA	1.7031	2.3581	32.04	30.71
1820	Shell-Thick	SLE-RARA	3.4138	-0.1963	20.79	9.86
1820	Shell-Thick	SLE-RARA	2.2137	2.2442	10.57	9.86
1820	Shell-Thick	SLE-RARA	0.0575	3.2242	10.57	20.08
1820	Shell-Thick	SLE-RARA	0.8625	1.1712	20.79	20.08
1820	Shell-Thick	SLE-FREQ.	3.2348	-0.1926	19.92	9.47
1820	Shell-Thick	SLE-FREQ.	2.1145	2.1409	10.14	9.47
1820	Shell-Thick	SLE-FREQ.	0.0394	3.0585	10.14	19.26
1820	Shell-Thick	SLE-FREQ.	0.7977	1.0796	19.92	19.26
1820	Shell-Thick	SLE-QP	2.6979	-0.1816	17.32	8.31
1820	Shell-Thick	SLE-QP	1.8170	1.8312	8.84	8.31
1820	Shell-Thick	SLE-QP	-0.0149	2.5615	8.84	16.79
1820	Shell-Thick	SLE-QP	0.6032	0.8050	17.32	16.79
1821	Shell-Thick	SLU-STATICA	3.6013	1.1145	21.49	25.61
1821	Shell-Thick	SLU-STATICA	3.1110	5.8953	10.45	25.61
1821	Shell-Thick	SLU-STATICA	0.8253	7.7669	10.45	36.64
1821	Shell-Thick	SLU-STATICA	1.0916	3.2019	21.49	36.64
1821	Shell-Thick	SLU-SISMICA	5.0076	1.7830	25.62	29.24
1821	Shell-Thick	SLU-SISMICA	3.9583	7.3420	12.43	29.24
1821	Shell-Thick	SLU-SISMICA	1.2853	9.7769	12.43	42.44
1821	Shell-Thick	SLU-SISMICA	1.9674	4.5753	25.62	42.44
1821	Shell-Thick	SLE-RARA	2.6588	0.8112	16.08	19.22
1821	Shell-Thick	SLE-RARA	2.3151	4.3950	7.82	19.22
1821	Shell-Thick	SLE-RARA	0.6024	5.7852	7.82	27.48
1821	Shell-Thick	SLE-RARA	0.7835	2.3577	16.08	27.48
1821	Shell-Thick	SLE-FREQ.	2.4777	0.7363	15.34	18.45
1821	Shell-Thick	SLE-FREQ.	2.1884	4.1677	7.47	18.45

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1821	Shell-Thick	SLE-FREQ.	0.5497	5.4773	7.47	26.33
1821	Shell-Thick	SLE-FREQ.	0.6922	2.1867	15.34	26.33
1821	Shell-Thick	SLE-QP	1.9343	0.5114	13.13	16.13
1821	Shell-Thick	SLE-QP	1.8083	3.4860	6.40	16.13
1821	Shell-Thick	SLE-QP	0.3917	4.5539	6.40	22.87
1821	Shell-Thick	SLE-QP	0.4184	1.6737	13.13	22.87
1822	Shell-Thick	SLU-STATICA	3.3340	2.8513	16.73	35.70
1822	Shell-Thick	SLU-STATICA	3.1920	9.0394	7.95	35.70
1822	Shell-Thick	SLU-STATICA	1.5117	12.0985	7.95	44.48
1822	Shell-Thick	SLU-STATICA	1.3088	6.2488	16.73	44.48
1822	Shell-Thick	SLU-SISMICA	4.9657	4.1282	20.52	41.19
1822	Shell-Thick	SLU-SISMICA	4.1367	11.3938	9.75	41.19
1822	Shell-Thick	SLU-SISMICA	2.1423	15.5250	9.75	51.96
1822	Shell-Thick	SLU-SISMICA	2.4158	8.8067	20.52	51.96
1822	Shell-Thick	SLE-RARA	2.4450	2.0969	12.49	26.78
1822	Shell-Thick	SLE-RARA	2.3716	6.7321	5.93	26.78
1822	Shell-Thick	SLE-RARA	1.1140	8.9967	5.93	33.34
1822	Shell-Thick	SLE-RARA	0.9365	4.6075	12.49	33.34
1822	Shell-Thick	SLE-FREQ.	2.2507	1.9403	11.87	25.67
1822	Shell-Thick	SLE-FREQ.	2.2355	6.3727	5.64	25.67
1822	Shell-Thick	SLE-FREQ.	1.0347	8.4933	5.64	31.90
1822	Shell-Thick	SLE-FREQ.	0.8225	4.2837	11.87	31.90
1822	Shell-Thick	SLE-QP	1.6675	1.4704	10.02	22.33
1822	Shell-Thick	SLE-QP	1.8272	5.2942	4.76	22.33
1822	Shell-Thick	SLE-QP	0.7969	6.9831	4.76	27.59
1822	Shell-Thick	SLE-QP	0.4803	3.3122	10.02	27.59
1823	Shell-Thick	SLU-STATICA	2.7470	5.9978	13.15	43.85
1823	Shell-Thick	SLU-STATICA	3.9844	13.1316	6.07	43.85
1823	Shell-Thick	SLU-STATICA	2.5640	16.4145	6.07	50.93
1823	Shell-Thick	SLU-STATICA	1.2826	9.3194	13.15	50.93
1823	Shell-Thick	SLU-SISMICA	4.2324	8.4666	16.64	51.12
1823	Shell-Thick	SLU-SISMICA	5.3125	16.8625	7.68	51.12
1823	Shell-Thick	SLU-SISMICA	3.5398	21.3497	7.68	60.08
1823	Shell-Thick	SLU-SISMICA	2.3548	13.0520	16.64	60.08
1823	Shell-Thick	SLE-RARA	2.0075	4.4218	9.79	32.86
1823	Shell-Thick	SLE-RARA	2.9530	9.7644	4.52	32.86
1823	Shell-Thick	SLE-RARA	1.8942	12.1920	4.52	38.14
1823	Shell-Thick	SLE-RARA	0.9185	6.8757	9.79	38.14
1823	Shell-Thick	SLE-FREQ.	1.8359	4.1099	9.26	31.45
1823	Shell-Thick	SLE-FREQ.	2.7710	9.2171	4.27	31.45
1823	Shell-Thick	SLE-FREQ.	1.7673	11.4858	4.27	36.45
1823	Shell-Thick	SLE-FREQ.	0.8077	6.3994	9.26	36.45
1823	Shell-Thick	SLE-QP	1.3212	3.1742	7.68	27.23
1823	Shell-Thick	SLE-QP	2.2252	7.5750	3.54	27.23
1823	Shell-Thick	SLE-QP	1.3866	9.3673	3.54	31.37
1823	Shell-Thick	SLE-QP	0.4754	4.9706	7.68	31.37
1824	Shell-Thick	SLU-STATICA	3.1257	9.1871	10.03	50.35
1824	Shell-Thick	SLU-STATICA	4.1891	17.2405	4.49	50.35
1824	Shell-Thick	SLU-STATICA	3.1803	21.1001	4.49	55.88
1824	Shell-Thick	SLU-STATICA	1.9539	13.2056	10.03	55.88
1824	Shell-Thick	SLU-SISMICA	4.8338	12.8651	13.15	59.27
1824	Shell-Thick	SLU-SISMICA	5.5889	22.4422	5.92	59.27
1824	Shell-Thick	SLU-SISMICA	4.2959	27.8664	5.92	66.51
1824	Shell-Thick	SLU-SISMICA	3.2641	18.5606	13.15	66.51
1824	Shell-Thick	SLE-RARA	2.2834	6.7781	7.45	37.70
1824	Shell-Thick	SLE-RARA	3.1045	12.8046	3.33	37.70
1824	Shell-Thick	SLE-RARA	2.3543	15.6512	3.33	41.82
1824	Shell-Thick	SLE-RARA	1.4153	9.7396	7.45	41.82
1824	Shell-Thick	SLE-FREQ.	2.0867	6.3087	7.01	36.04
1824	Shell-Thick	SLE-FREQ.	2.9129	12.0614	3.13	36.04
1824	Shell-Thick	SLE-FREQ.	2.2045	14.7093	3.13	39.91
1824	Shell-Thick	SLE-FREQ.	1.2727	9.0594	7.01	39.91
1824	Shell-Thick	SLE-QP	1.4967	4.9006	5.69	31.05
1824	Shell-Thick	SLE-QP	2.3382	9.8318	2.54	31.05
1824	Shell-Thick	SLE-QP	1.7553	11.8834	2.54	34.20
1824	Shell-Thick	SLE-QP	0.8450	7.0187	5.69	34.20
1825	Shell-Thick	SLU-STATICA	2.8357	13.1352	7.59	55.60
1825	Shell-Thick	SLU-STATICA	5.2548	21.7618	3.25	55.60
1825	Shell-Thick	SLU-STATICA	4.3975	25.4911	3.25	59.94

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1825	Shell-Thick	SLU-STATICA	2.0664	16.7732	7.59	59.94
1825	Shell-Thick	SLU-SISMICA	4.3781	18.4539	10.41	66.12
1825	Shell-Thick	SLU-SISMICA	7.1513	28.7670	4.50	66.12
1825	Shell-Thick	SLU-SISMICA	5.9783	34.1011	4.50	72.03
1825	Shell-Thick	SLU-SISMICA	3.3138	23.6749	10.41	72.03
1825	Shell-Thick	SLE-RARA	2.0718	9.6880	5.61	41.60
1825	Shell-Thick	SLE-RARA	3.8873	16.1407	2.40	41.60
1825	Shell-Thick	SLE-RARA	3.2534	18.8866	2.40	44.81
1825	Shell-Thick	SLE-RARA	1.5036	12.3658	5.61	44.81
1825	Shell-Thick	SLE-FREQ.	1.8940	9.0121	5.24	39.71
1825	Shell-Thick	SLE-FREQ.	3.6356	15.1671	2.24	39.71
1825	Shell-Thick	SLE-FREQ.	3.0433	17.7133	2.24	42.72
1825	Shell-Thick	SLE-FREQ.	1.3640	11.4937	5.24	42.72
1825	Shell-Thick	SLE-QP	1.3605	6.9842	4.13	34.04
1825	Shell-Thick	SLE-QP	2.8805	12.2461	1.75	34.04
1825	Shell-Thick	SLE-QP	2.4129	14.1936	1.75	36.42
1825	Shell-Thick	SLE-QP	0.9453	8.8775	4.13	36.42
1826	Shell-Thick	SLU-STATICA	3.6242	16.7931	5.51	59.60
1826	Shell-Thick	SLU-STATICA	5.4914	26.0016	2.24	59.60
1826	Shell-Thick	SLU-STATICA	4.9258	29.8144	2.24	62.87
1826	Shell-Thick	SLU-STATICA	3.0258	20.6364	5.51	62.87
1826	Shell-Thick	SLU-SISMICA	5.5122	23.6983	8.00	71.55
1826	Shell-Thick	SLU-SISMICA	7.4866	34.8191	3.32	71.55
1826	Shell-Thick	SLU-SISMICA	6.6669	40.3917	3.32	76.23
1826	Shell-Thick	SLU-SISMICA	4.6326	29.3273	8.00	76.23
1826	Shell-Thick	SLE-RARA	2.6521	12.3807	4.05	44.57
1826	Shell-Thick	SLE-RARA	4.0616	19.2630	1.64	44.57
1826	Shell-Thick	SLE-RARA	3.6457	22.0645	1.64	46.98
1826	Shell-Thick	SLE-RARA	2.2127	15.2039	4.05	46.98
1826	Shell-Thick	SLE-FREQ.	2.4316	11.5080	3.75	42.49
1826	Shell-Thick	SLE-FREQ.	3.7975	18.0634	1.52	42.49
1826	Shell-Thick	SLE-FREQ.	3.4127	20.6512	1.52	44.72
1826	Shell-Thick	SLE-FREQ.	2.0261	14.1148	3.75	44.72
1826	Shell-Thick	SLE-QP	1.7699	8.8898	2.84	36.24
1826	Shell-Thick	SLE-QP	3.0052	14.4647	1.13	36.24
1826	Shell-Thick	SLE-QP	2.7138	16.4114	1.13	37.95
1826	Shell-Thick	SLE-QP	1.4663	10.8475	2.84	37.95
1827	Shell-Thick	SLU-STATICA	3.5799	20.6832	3.89	62.80
1827	Shell-Thick	SLU-STATICA	6.6030	30.2139	1.45	62.80
1827	Shell-Thick	SLU-STATICA	6.1226	33.6994	1.45	65.24
1827	Shell-Thick	SLU-STATICA	3.2588	24.0075	3.89	65.24
1827	Shell-Thick	SLU-SISMICA	5.4015	29.3908	6.11	76.13
1827	Shell-Thick	SLU-SISMICA	9.1468	40.9780	2.38	76.13
1827	Shell-Thick	SLU-SISMICA	8.3891	46.1725	2.38	79.86
1827	Shell-Thick	SLU-SISMICA	4.8844	34.3419	6.11	79.86
1827	Shell-Thick	SLE-RARA	2.6218	15.2386	2.84	46.92
1827	Shell-Thick	SLE-RARA	4.8766	22.3578	1.05	46.92
1827	Shell-Thick	SLE-RARA	4.5264	24.9138	1.05	48.71
1827	Shell-Thick	SLE-RARA	2.3883	17.6765	2.84	48.71
1827	Shell-Thick	SLE-FREQ.	2.4075	14.1472	2.58	44.67
1827	Shell-Thick	SLE-FREQ.	4.5473	20.9220	0.95	44.67
1827	Shell-Thick	SLE-FREQ.	4.2285	23.2745	0.95	46.30
1827	Shell-Thick	SLE-FREQ.	2.1958	16.3914	2.58	46.30
1827	Shell-Thick	SLE-QP	1.7645	10.8733	1.83	37.91
1827	Shell-Thick	SLE-QP	3.5595	16.6144	0.64	37.91
1827	Shell-Thick	SLE-QP	3.3349	18.3565	0.64	39.10
1827	Shell-Thick	SLE-QP	1.6184	12.5360	1.83	39.10
1828	Shell-Thick	SLU-STATICA	4.5363	24.1122	2.53	65.07
1828	Shell-Thick	SLU-STATICA	6.8165	33.9891	0.81	65.07
1828	Shell-Thick	SLU-STATICA	6.5456	37.2788	0.81	66.79
1828	Shell-Thick	SLU-STATICA	4.3063	27.3597	2.53	66.79
1828	Shell-Thick	SLU-SISMICA	6.7942	34.4942	4.49	79.60
1828	Shell-Thick	SLU-SISMICA	9.4850	46.6214	1.61	79.60
1828	Shell-Thick	SLU-SISMICA	8.9894	51.6228	1.61	82.48
1828	Shell-Thick	SLU-SISMICA	6.3749	39.4172	4.49	82.48
1828	Shell-Thick	SLE-RARA	3.3249	17.7534	1.82	48.58
1828	Shell-Thick	SLE-RARA	5.0322	25.1254	0.57	48.58
1828	Shell-Thick	SLE-RARA	4.8380	27.5328	0.57	49.83
1828	Shell-Thick	SLE-RARA	3.1600	20.1307	1.82	49.83

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1828	Shell-Thick	SLE-FREQ.	3.0573	16.4625	1.61	46.19
1828	Shell-Thick	SLE-FREQ.	4.6888	23.4677	0.49	46.19
1828	Shell-Thick	SLE-FREQ.	4.5179	25.6752	0.49	47.31
1828	Shell-Thick	SLE-FREQ.	2.9121	18.6434	1.61	47.31
1828	Shell-Thick	SLE-QP	2.2548	12.5897	0.99	39.02
1828	Shell-Thick	SLE-QP	3.6587	18.4949	0.25	39.02
1828	Shell-Thick	SLE-QP	3.5576	20.1022	0.25	39.76
1828	Shell-Thick	SLE-QP	2.1684	14.1817	0.99	39.76
1829	Shell-Thick	SLU-STATICA	4.6305	27.4640	1.46	66.84
1829	Shell-Thick	SLU-STATICA	7.8214	37.4944	0.32	66.84
1829	Shell-Thick	SLU-STATICA	7.5981	40.4010	0.32	67.99
1829	Shell-Thick	SLU-STATICA	4.5871	30.1899	1.46	67.99
1829	Shell-Thick	SLU-SISMICA	6.9130	39.5729	3.20	82.55
1829	Shell-Thick	SLU-SISMICA	11.0218	51.9812	1.01	82.55
1829	Shell-Thick	SLU-SISMICA	10.5576	56.4959	1.01	84.74
1829	Shell-Thick	SLU-SISMICA	6.7451	43.7896	3.20	84.74
1829	Shell-Thick	SLE-RARA	3.3950	20.2072	1.02	49.87
1829	Shell-Thick	SLE-RARA	5.7671	27.6891	0.21	49.87
1829	Shell-Thick	SLE-RARA	5.6099	29.8114	0.21	50.68
1829	Shell-Thick	SLE-RARA	3.3683	22.1984	1.02	50.68
1829	Shell-Thick	SLE-FREQ.	3.1237	18.7139	0.85	47.35
1829	Shell-Thick	SLE-FREQ.	5.3619	25.8159	0.14	47.35
1829	Shell-Thick	SLE-FREQ.	5.2283	27.7537	0.14	48.06
1829	Shell-Thick	SLE-FREQ.	3.1079	20.5334	0.85	48.06
1829	Shell-Thick	SLE-QP	2.3099	14.2338	0.35	39.79
1829	Shell-Thick	SLE-QP	4.1462	20.1961	-4.246E-02	39.79
1829	Shell-Thick	SLE-QP	4.0838	21.5805	-4.246E-02	40.18
1829	Shell-Thick	SLE-QP	2.3267	15.5386	0.35	40.18
1830	Shell-Thick	SLU-STATICA	5.5604	30.3248	0.59	67.93
1830	Shell-Thick	SLU-STATICA	7.9824	40.5376	-7.772E-02	67.93
1830	Shell-Thick	SLU-STATICA	7.9092	43.1372	-7.772E-02	68.60
1830	Shell-Thick	SLU-STATICA	5.5565	32.8545	0.59	68.60
1830	Shell-Thick	SLU-SISMICA	8.2917	43.9951	2.13	84.64
1830	Shell-Thick	SLU-SISMICA	11.3146	56.7511	0.52	84.64
1830	Shell-Thick	SLU-SISMICA	11.0447	60.8763	0.52	86.25
1830	Shell-Thick	SLU-SISMICA	8.1637	47.9772	2.13	86.25
1830	Shell-Thick	SLE-RARA	4.0772	22.2971	0.37	50.64
1830	Shell-Thick	SLE-RARA	5.8825	29.9090	-8.858E-02	50.64
1830	Shell-Thick	SLE-RARA	5.8369	31.8028	-8.858E-02	51.10
1830	Shell-Thick	SLE-RARA	4.0805	24.1416	0.37	51.10
1830	Shell-Thick	SLE-FREQ.	3.7522	20.6239	0.23	48.02
1830	Shell-Thick	SLE-FREQ.	5.4636	27.8391	-0.14	48.02
1830	Shell-Thick	SLE-FREQ.	5.4353	29.5608	-0.14	48.39
1830	Shell-Thick	SLE-FREQ.	3.7656	22.3036	0.23	48.39
1830	Shell-Thick	SLE-QP	2.7772	15.6043	-0.17	40.15
1830	Shell-Thick	SLE-QP	4.2070	21.6295	-0.28	40.15
1830	Shell-Thick	SLE-QP	4.2305	22.8350	-0.28	40.25
1830	Shell-Thick	SLE-QP	2.8210	16.7895	-0.17	40.25
1831	Shell-Thick	SLU-STATICA	5.6971	32.9732	-8.129E-02	68.71
1831	Shell-Thick	SLU-STATICA	8.8081	43.2264	-0.37	68.71
1831	Shell-Thick	SLU-STATICA	8.7588	45.4619	-0.37	69.00
1831	Shell-Thick	SLU-STATICA	5.8140	35.0423	-8.129E-02	69.00
1831	Shell-Thick	SLU-SISMICA	8.4999	48.1628	1.29	86.40
1831	Shell-Thick	SLU-SISMICA	12.6096	61.0710	0.15	86.40
1831	Shell-Thick	SLU-SISMICA	12.3534	64.7056	0.15	87.54
1831	Shell-Thick	SLU-SISMICA	8.5401	51.5001	1.29	87.54
1831	Shell-Thick	SLE-RARA	4.1773	24.2282	-0.13	51.18
1831	Shell-Thick	SLE-RARA	6.4848	31.8651	-0.31	51.18
1831	Shell-Thick	SLE-RARA	6.4577	33.4893	-0.31	51.36
1831	Shell-Thick	SLE-RARA	4.2697	25.7328	-0.13	51.36
1831	Shell-Thick	SLE-FREQ.	3.8440	22.3826	-0.24	48.46
1831	Shell-Thick	SLE-FREQ.	6.0125	29.6130	-0.34	48.46
1831	Shell-Thick	SLE-FREQ.	6.0031	31.0822	-0.34	48.57
1831	Shell-Thick	SLE-FREQ.	3.9404	23.7459	-0.24	48.57
1831	Shell-Thick	SLE-QP	2.8440	16.8456	-0.57	40.32
1831	Shell-Thick	SLE-QP	4.5956	22.8565	-0.45	40.32
1831	Shell-Thick	SLE-QP	4.6392	23.8606	-0.45	40.19
1831	Shell-Thick	SLE-QP	2.9524	17.7849	-0.57	40.19
1832	Shell-Thick	SLU-STATICA	6.4955	35.1733	-0.60	69.00

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1832	Shell-Thick	SLU-STATICA	8.9084	45.4971	-0.59	69.00
1832	Shell-Thick	SLU-STATICA	8.9639	47.4117	-0.59	68.99
1832	Shell-Thick	SLU-STATICA	6.6184	37.0205	-0.60	68.99
1832	Shell-Thick	SLU-SISMICA	9.7031	51.7079	0.61	87.53
1832	Shell-Thick	SLU-SISMICA	12.8313	64.8260	-0.14	87.53
1832	Shell-Thick	SLU-SISMICA	12.7179	68.0189	-0.14	88.28
1832	Shell-Thick	SLU-SISMICA	9.7459	54.7439	0.61	88.28
1832	Shell-Thick	SLE-RARA	4.7620	25.8283	-0.51	51.36
1832	Shell-Thick	SLE-RARA	6.5548	33.5118	-0.47	51.36
1832	Shell-Thick	SLE-RARA	6.6052	34.8988	-0.47	51.31
1832	Shell-Thick	SLE-RARA	4.8592	27.1687	-0.51	51.31
1832	Shell-Thick	SLE-FREQ.	4.3810	23.8326	-0.60	48.57
1832	Shell-Thick	SLE-FREQ.	6.0708	31.0970	-0.49	48.57
1832	Shell-Thick	SLE-FREQ.	6.1339	32.3449	-0.49	48.46
1832	Shell-Thick	SLE-FREQ.	4.4823	25.0423	-0.60	48.46
1832	Shell-Thick	SLE-QP	3.2380	17.8457	-0.86	40.20
1832	Shell-Thick	SLE-QP	4.6188	23.8528	-0.57	40.20
1832	Shell-Thick	SLE-QP	4.7198	24.6829	-0.57	39.91
1832	Shell-Thick	SLE-QP	3.3519	18.6631	-0.86	39.91
1833	Shell-Thick	SLU-STATICA	6.6213	37.1284	-0.97	69.12
1833	Shell-Thick	SLU-STATICA	9.5425	47.4201	-0.73	69.12
1833	Shell-Thick	SLU-STATICA	9.6034	49.0199	-0.73	68.88
1833	Shell-Thick	SLU-STATICA	6.8160	38.5946	-0.97	68.88
1833	Shell-Thick	SLU-SISMICA	9.9117	54.9206	9.312E-02	88.46
1833	Shell-Thick	SLU-SISMICA	13.8517	68.1021	-0.34	88.46
1833	Shell-Thick	SLU-SISMICA	13.7393	70.8481	-0.34	88.89
1833	Shell-Thick	SLU-SISMICA	10.0612	57.4045	9.312E-02	88.89
1833	Shell-Thick	SLE-RARA	4.8533	27.2471	-0.79	51.41
1833	Shell-Thick	SLE-RARA	7.0160	34.9015	-0.57	51.41
1833	Shell-Thick	SLE-RARA	7.0708	36.0566	-0.57	51.20
1833	Shell-Thick	SLE-RARA	5.0030	28.3074	-0.79	51.20
1833	Shell-Thick	SLE-FREQ.	4.4632	25.1131	-0.86	48.55
1833	Shell-Thick	SLE-FREQ.	6.4889	32.3413	-0.59	48.55
1833	Shell-Thick	SLE-FREQ.	6.5566	33.3737	-0.59	48.29
1833	Shell-Thick	SLE-FREQ.	4.6130	26.0636	-0.86	48.29
1833	Shell-Thick	SLE-QP	3.2930	18.7111	-1.06	39.98
1833	Shell-Thick	SLE-QP	4.9075	24.6607	-0.65	39.98
1833	Shell-Thick	SLE-QP	5.0139	25.3251	-0.65	39.57
1833	Shell-Thick	SLE-QP	3.4428	19.3324	-1.06	39.57
1834	Shell-Thick	SLU-STATICA	7.2556	38.7039	-1.21	68.91
1834	Shell-Thick	SLU-STATICA	9.5890	48.9957	-0.82	68.91
1834	Shell-Thick	SLU-STATICA	9.7167	50.3042	-0.82	68.52
1834	Shell-Thick	SLU-STATICA	7.4316	39.9645	-1.21	68.52
1834	Shell-Thick	SLU-SISMICA	10.8809	57.5861	-0.28	88.93
1834	Shell-Thick	SLU-SISMICA	13.9984	70.8823	-0.48	88.93
1834	Shell-Thick	SLU-SISMICA	13.9867	73.2040	-0.48	89.13
1834	Shell-Thick	SLU-SISMICA	11.0071	59.7698	-0.28	89.13
1834	Shell-Thick	SLE-RARA	5.3172	28.3866	-0.96	51.22
1834	Shell-Thick	SLE-RARA	7.0462	36.0354	-0.63	51.22
1834	Shell-Thick	SLE-RARA	7.1500	36.9764	-0.63	50.89
1834	Shell-Thick	SLE-RARA	5.4531	29.2958	-0.96	50.89
1834	Shell-Thick	SLE-FREQ.	4.8882	26.1349	-1.01	48.31
1834	Shell-Thick	SLE-FREQ.	6.5101	33.3482	-0.65	48.31
1834	Shell-Thick	SLE-FREQ.	6.6228	34.1827	-0.65	47.94
1834	Shell-Thick	SLE-FREQ.	5.0248	26.9458	-1.01	47.94
1834	Shell-Thick	SLE-QP	3.6011	19.3799	-1.17	39.59
1834	Shell-Thick	SLE-QP	4.9018	25.2868	-0.68	39.59
1834	Shell-Thick	SLE-QP	5.0412	25.8019	-0.68	39.10
1834	Shell-Thick	SLE-QP	3.7399	19.8960	-1.17	39.10
1835	Shell-Thick	SLU-STATICA	7.3464	40.0483	-1.31	68.64
1835	Shell-Thick	SLU-STATICA	10.0493	50.2698	-0.82	68.64
1835	Shell-Thick	SLU-STATICA	10.1628	51.3194	-0.82	68.15
1835	Shell-Thick	SLU-STATICA	7.5532	41.0051	-1.31	68.15
1835	Shell-Thick	SLU-SISMICA	11.0449	59.9164	-0.52	89.30
1835	Shell-Thick	SLU-SISMICA	14.7572	73.2191	-0.54	89.30
1835	Shell-Thick	SLU-SISMICA	14.7325	75.1555	-0.54	89.31
1835	Shell-Thick	SLU-SISMICA	11.2289	61.6440	-0.52	89.31
1835	Shell-Thick	SLE-RARA	5.3824	29.3562	-1.03	50.98
1835	Shell-Thick	SLE-RARA	7.3801	36.9478	-0.64	50.98

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1835	Shell-Thick	SLE-RARA	7.4730	37.6990	-0.64	50.59
1835	Shell-Thick	SLE-RARA	5.5402	30.0428	-1.03	50.59
1835	Shell-Thick	SLE-FREQ.	4.9458	26.9996	-1.07	48.03
1835	Shell-Thick	SLE-FREQ.	6.8113	34.1508	-0.64	48.03
1835	Shell-Thick	SLE-FREQ.	6.9133	34.8106	-0.64	47.60
1835	Shell-Thick	SLE-FREQ.	5.1015	27.6059	-1.07	47.60
1835	Shell-Thick	SLE-QP	3.6358	19.9299	-1.19	39.16
1835	Shell-Thick	SLE-QP	5.1047	25.7599	-0.67	39.16
1835	Shell-Thick	SLE-QP	5.2339	26.1455	-0.67	38.64
1835	Shell-Thick	SLE-QP	3.7855	20.2953	-1.19	38.64
1836	Shell-Thick	SLU-STATICA	7.8318	41.0821	-1.27	68.18
1836	Shell-Thick	SLU-STATICA	10.0487	51.2752	-0.76	68.18
1836	Shell-Thick	SLU-STATICA	10.1718	51.9865	-0.76	67.74
1836	Shell-Thick	SLU-STATICA	7.9763	41.7792	-1.27	67.74
1836	Shell-Thick	SLU-SISMICA	11.7828	61.7804	-0.62	89.35
1836	Shell-Thick	SLU-SISMICA	14.8181	75.1470	-0.53	89.35
1836	Shell-Thick	SLU-SISMICA	14.8354	76.5266	-0.53	89.28
1836	Shell-Thick	SLU-SISMICA	11.9168	63.0815	-0.62	89.28
1836	Shell-Thick	SLE-RARA	5.7376	30.0982	-0.99	50.61
1836	Shell-Thick	SLE-RARA	7.3767	37.6637	-0.59	50.61
1836	Shell-Thick	SLE-RARA	7.4752	38.1694	-0.59	50.25
1836	Shell-Thick	SLE-RARA	5.8476	30.5963	-0.99	50.25
1836	Shell-Thick	SLE-FREQ.	5.2714	27.6551	-1.02	47.62
1836	Shell-Thick	SLE-FREQ.	6.8028	34.7733	-0.59	47.62
1836	Shell-Thick	SLE-FREQ.	6.9076	35.2116	-0.59	47.24
1836	Shell-Thick	SLE-FREQ.	5.3796	28.0913	-1.02	47.24
1836	Shell-Thick	SLE-QP	3.8729	20.3258	-1.11	38.66
1836	Shell-Thick	SLE-QP	5.0813	26.1020	-0.61	38.66
1836	Shell-Thick	SLE-QP	5.2049	26.3381	-0.61	38.22
1836	Shell-Thick	SLE-QP	3.9756	20.5762	-1.11	38.22
1837	Shell-Thick	SLU-STATICA	7.8051	41.8214	-1.15	67.83
1837	Shell-Thick	SLU-STATICA	10.3911	51.9540	-0.65	67.83
1837	Shell-Thick	SLU-STATICA	10.4407	52.4124	-0.65	67.46
1837	Shell-Thick	SLU-STATICA	7.9531	42.2432	-1.15	67.46
1837	Shell-Thick	SLU-SISMICA	11.7618	63.1621	-0.63	89.41
1837	Shell-Thick	SLU-SISMICA	15.3777	76.5235	-0.47	89.41
1837	Shell-Thick	SLU-SISMICA	15.3095	77.4630	-0.47	89.30
1837	Shell-Thick	SLU-SISMICA	11.9501	64.0059	-0.63	89.30
1837	Shell-Thick	SLE-RARA	5.7171	30.6263	-0.90	50.32
1837	Shell-Thick	SLE-RARA	7.6253	38.1433	-0.50	50.32
1837	Shell-Thick	SLE-RARA	7.6688	38.4667	-0.50	50.03
1837	Shell-Thick	SLE-RARA	5.8272	30.9250	-0.90	50.03
1837	Shell-Thick	SLE-FREQ.	5.2509	28.1174	-0.92	47.30
1837	Shell-Thick	SLE-FREQ.	7.0275	35.1837	-0.50	47.30
1837	Shell-Thick	SLE-FREQ.	7.0796	35.4595	-0.50	47.00
1837	Shell-Thick	SLE-FREQ.	5.3550	28.3740	-0.92	47.00
1837	Shell-Thick	SLE-QP	3.8526	20.5906	-0.98	38.26
1837	Shell-Thick	SLE-QP	5.2341	26.3049	-0.51	38.26
1837	Shell-Thick	SLE-QP	5.3120	26.4382	-0.51	37.91
1837	Shell-Thick	SLE-QP	3.9385	20.7211	-0.98	37.91
1838	Shell-Thick	SLU-STATICA	8.1350	42.2812	-1.06	67.46
1838	Shell-Thick	SLU-STATICA	10.2906	52.3808	-0.57	67.46
1838	Shell-Thick	SLU-STATICA	10.3873	52.7271	-0.57	67.10
1838	Shell-Thick	SLU-STATICA	8.2175	42.6330	-1.06	67.10
1838	Shell-Thick	SLU-SISMICA	12.2874	64.0778	-0.63	89.31
1838	Shell-Thick	SLU-SISMICA	15.2824	77.4531	-0.44	89.31
1838	Shell-Thick	SLU-SISMICA	15.2978	78.2176	-0.44	89.16
1838	Shell-Thick	SLU-SISMICA	12.3892	64.8102	-0.63	89.16
1838	Shell-Thick	SLE-RARA	5.9573	30.9520	-0.83	50.03
1838	Shell-Thick	SLE-RARA	7.5488	38.4416	-0.44	50.03
1838	Shell-Thick	SLE-RARA	7.6262	38.6832	-0.44	49.75
1838	Shell-Thick	SLE-RARA	6.0189	31.1996	-0.83	49.75
1838	Shell-Thick	SLE-FREQ.	5.4692	28.3976	-0.84	47.00
1838	Shell-Thick	SLE-FREQ.	6.9525	35.4334	-0.44	47.00
1838	Shell-Thick	SLE-FREQ.	7.0346	35.6346	-0.44	46.71
1838	Shell-Thick	SLE-FREQ.	5.5277	28.6078	-0.84	46.71
1838	Shell-Thick	SLE-QP	4.0048	20.7343	-0.89	37.91
1838	Shell-Thick	SLE-QP	5.1634	26.4085	-0.44	37.91
1838	Shell-Thick	SLE-QP	5.2598	26.4888	-0.44	37.59



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1838	Shell-Thick	SLE-QP	4.0540	20.8324	-0.89	37.59
1839	Shell-Thick	SLU-STATICA	8.0787	42.6567	-1.01	67.16
1839	Shell-Thick	SLU-STATICA	10.4617	52.6905	-0.51	67.16
1839	Shell-Thick	SLU-STATICA	10.5645	53.0015	-0.51	66.66
1839	Shell-Thick	SLU-STATICA	8.2038	42.9458	-1.01	66.66
1839	Shell-Thick	SLU-SISMICA	12.2757	64.8683	-0.68	89.26
1839	Shell-Thick	SLU-SISMICA	15.5965	78.1966	-0.41	89.26
1839	Shell-Thick	SLU-SISMICA	15.6263	78.9916	-0.41	88.99
1839	Shell-Thick	SLU-SISMICA	12.4098	65.5593	-0.68	88.99
1839	Shell-Thick	SLE-RARA	5.9124	31.2159	-0.78	49.79
1839	Shell-Thick	SLE-RARA	7.6714	38.6547	-0.39	49.79
1839	Shell-Thick	SLE-RARA	7.7529	38.8663	-0.39	49.39
1839	Shell-Thick	SLE-RARA	6.0068	31.4149	-0.78	49.39
1839	Shell-Thick	SLE-FREQ.	5.4217	28.6209	-0.79	46.75
1839	Shell-Thick	SLE-FREQ.	7.0603	35.6055	-0.39	46.75
1839	Shell-Thick	SLE-FREQ.	7.1458	35.7721	-0.39	46.34
1839	Shell-Thick	SLE-FREQ.	5.5130	28.7820	-0.79	46.34
1839	Shell-Thick	SLE-QP	3.9497	20.8358	-0.82	37.62
1839	Shell-Thick	SLE-QP	5.2269	26.4580	-0.38	37.62
1839	Shell-Thick	SLE-QP	5.3244	26.4895	-0.38	37.18
1839	Shell-Thick	SLE-QP	4.0318	20.8831	-0.82	37.18
1840	Shell-Thick	SLU-STATICA	8.2588	42.9708	-0.98	66.67
1840	Shell-Thick	SLU-STATICA	10.4182	52.9582	-0.47	66.67
1840	Shell-Thick	SLU-STATICA	10.5432	53.0938	-0.47	66.16
1840	Shell-Thick	SLU-STATICA	8.3510	43.1396	-0.98	66.16
1840	Shell-Thick	SLU-SISMICA	12.5974	65.6259	-0.74	89.03
1840	Shell-Thick	SLU-SISMICA	15.6009	78.9574	-0.41	89.03
1840	Shell-Thick	SLU-SISMICA	15.6774	79.4703	-0.41	88.71
1840	Shell-Thick	SLU-SISMICA	12.6938	66.1190	-0.74	88.71
1840	Shell-Thick	SLE-RARA	6.0418	31.4318	-0.75	49.41
1840	Shell-Thick	SLE-RARA	7.6360	38.8330	-0.36	49.41
1840	Shell-Thick	SLE-RARA	7.7331	38.9170	-0.36	49.01
1840	Shell-Thick	SLE-RARA	6.1115	31.5435	-0.75	49.01
1840	Shell-Thick	SLE-FREQ.	5.5363	28.7950	-0.75	46.35
1840	Shell-Thick	SLE-FREQ.	7.0218	35.7389	-0.35	46.35
1840	Shell-Thick	SLE-FREQ.	7.1205	35.7898	-0.35	45.95
1840	Shell-Thick	SLE-FREQ.	5.6039	28.8773	-0.75	45.95
1840	Shell-Thick	SLE-QP	4.0197	20.8846	-0.76	37.18
1840	Shell-Thick	SLE-QP	5.1793	26.4565	-0.34	37.18
1840	Shell-Thick	SLE-QP	5.2827	26.4082	-0.34	36.77
1840	Shell-Thick	SLE-QP	4.0811	20.8787	-0.76	36.77
1841	Shell-Thick	SLU-STATICA	8.2302	43.1465	-0.98	66.20
1841	Shell-Thick	SLU-STATICA	10.4942	53.0529	-0.44	66.20
1841	Shell-Thick	SLU-STATICA	10.6093	53.0270	-0.44	65.66
1841	Shell-Thick	SLU-STATICA	8.3280	43.1383	-0.98	65.66
1841	Shell-Thick	SLU-SISMICA	12.6146	66.1588	-0.81	88.77
1841	Shell-Thick	SLU-SISMICA	15.7736	79.4339	-0.41	88.77
1841	Shell-Thick	SLU-SISMICA	15.8439	79.6836	-0.41	88.37
1841	Shell-Thick	SLU-SISMICA	12.7281	66.3656	-0.81	88.37
1841	Shell-Thick	SLE-RARA	6.0179	31.5472	-0.75	49.03
1841	Shell-Thick	SLE-RARA	7.6888	38.8857	-0.34	49.03
1841	Shell-Thick	SLE-RARA	7.7783	38.8524	-0.34	48.62
1841	Shell-Thick	SLE-RARA	6.0912	31.5302	-0.75	48.62
1841	Shell-Thick	SLE-FREQ.	5.5092	28.8782	-0.74	45.97
1841	Shell-Thick	SLE-FREQ.	7.0654	35.7590	-0.33	45.97
1841	Shell-Thick	SLE-FREQ.	7.1563	35.7038	-0.33	45.56
1841	Shell-Thick	SLE-FREQ.	5.5794	28.8440	-0.74	45.56
1841	Shell-Thick	SLE-QP	3.9831	20.8712	-0.73	36.78
1841	Shell-Thick	SLE-QP	5.1951	26.3786	-0.31	36.78
1841	Shell-Thick	SLE-QP	5.2904	26.2579	-0.31	36.36
1841	Shell-Thick	SLE-QP	4.0441	20.7852	-0.73	36.36
1842	Shell-Thick	SLU-STATICA	8.2978	43.1350	-1.00	65.66
1842	Shell-Thick	SLU-STATICA	10.4072	52.9839	-0.43	65.66
1842	Shell-Thick	SLU-STATICA	10.5482	52.8057	-0.43	65.10
1842	Shell-Thick	SLU-STATICA	8.3715	43.0245	-1.00	65.10
1842	Shell-Thick	SLU-SISMICA	12.7661	66.3895	-0.90	88.39
1842	Shell-Thick	SLU-SISMICA	15.7069	79.6399	-0.42	88.39
1842	Shell-Thick	SLU-SISMICA	15.8230	79.6425	-0.42	87.91
1842	Shell-Thick	SLU-SISMICA	12.8481	66.4267	-0.90	87.91

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1842	Shell-Thick	SLE-RARA	6.0650	31.5263	-0.76	48.62
1842	Shell-Thick	SLE-RARA	7.6219	38.8197	-0.33	48.62
1842	Shell-Thick	SLE-RARA	7.7300	38.6757	-0.33	48.19
1842	Shell-Thick	SLE-RARA	6.1204	31.4353	-0.76	48.19
1842	Shell-Thick	SLE-FREQ.	5.5482	28.8379	-0.75	45.56
1842	Shell-Thick	SLE-FREQ.	6.9984	35.6720	-0.32	45.56
1842	Shell-Thick	SLE-FREQ.	7.1059	35.5167	-0.32	45.13
1842	Shell-Thick	SLE-FREQ.	5.6016	28.7370	-0.75	45.13
1842	Shell-Thick	SLE-QP	3.9980	20.7727	-0.72	36.36
1842	Shell-Thick	SLE-QP	5.1281	26.2287	-0.30	36.36
1842	Shell-Thick	SLE-QP	5.2336	26.0395	-0.30	35.94
1842	Shell-Thick	SLE-QP	4.0452	20.6422	-0.72	35.94
1843	Shell-Thick	SLU-STATICA	8.2261	43.0068	-1.04	65.11
1843	Shell-Thick	SLU-STATICA	10.3898	52.7627	-0.43	65.11
1843	Shell-Thick	SLU-STATICA	10.5279	52.4411	-0.43	64.50
1843	Shell-Thick	SLU-STATICA	8.3092	42.7406	-1.04	64.50
1843	Shell-Thick	SLU-SISMICA	12.7163	66.4288	-1.00	87.94
1843	Shell-Thick	SLU-SISMICA	15.7331	79.5960	-0.43	87.94
1843	Shell-Thick	SLU-SISMICA	15.8481	79.3658	-0.43	87.37
1843	Shell-Thick	SLU-SISMICA	12.8159	66.2143	-1.00	87.37
1843	Shell-Thick	SLE-RARA	6.0095	31.4209	-0.79	48.20
1843	Shell-Thick	SLE-RARA	7.6065	38.6433	-0.33	48.20
1843	Shell-Thick	SLE-RARA	7.7123	38.3951	-0.33	47.73
1843	Shell-Thick	SLE-RARA	6.0716	31.2166	-0.79	47.73
1843	Shell-Thick	SLE-FREQ.	5.4923	28.7213	-0.78	45.13
1843	Shell-Thick	SLE-FREQ.	6.9799	35.4853	-0.32	45.13
1843	Shell-Thick	SLE-FREQ.	7.0849	35.2357	-0.32	44.67
1843	Shell-Thick	SLE-FREQ.	5.5516	28.5179	-0.78	44.67
1843	Shell-Thick	SLE-QP	3.9408	20.6227	-0.73	35.94
1843	Shell-Thick	SLE-QP	5.0999	26.0114	-0.29	35.94
1843	Shell-Thick	SLE-QP	5.2028	25.7576	-0.29	35.50
1843	Shell-Thick	SLE-QP	3.9913	20.4216	-0.73	35.50
1844	Shell-Thick	SLU-STATICA	8.2009	42.7129	-1.11	64.48
1844	Shell-Thick	SLU-STATICA	10.2643	52.3945	-0.45	64.48
1844	Shell-Thick	SLU-STATICA	10.4319	51.9386	-0.45	63.82
1844	Shell-Thick	SLU-STATICA	8.2670	42.3589	-1.11	63.82
1844	Shell-Thick	SLU-SISMICA	12.7252	66.2005	-1.11	87.38
1844	Shell-Thick	SLU-SISMICA	15.6041	79.3126	-0.46	87.38
1844	Shell-Thick	SLU-SISMICA	15.7657	78.8673	-0.46	86.72
1844	Shell-Thick	SLU-SISMICA	12.7993	65.8431	-1.11	86.72
1844	Shell-Thick	SLE-RARA	5.9887	31.1949	-0.84	47.72
1844	Shell-Thick	SLE-RARA	7.5116	38.3601	-0.34	47.72
1844	Shell-Thick	SLE-RARA	7.6388	38.0141	-0.34	47.22
1844	Shell-Thick	SLE-RARA	6.0384	30.9269	-0.84	47.22
1844	Shell-Thick	SLE-FREQ.	5.4692	28.4955	-0.82	44.66
1844	Shell-Thick	SLE-FREQ.	6.8876	35.2021	-0.33	44.66
1844	Shell-Thick	SLE-FREQ.	7.0122	34.8638	-0.33	44.17
1844	Shell-Thick	SLE-FREQ.	5.5170	28.2344	-0.82	44.17
1844	Shell-Thick	SLE-QP	3.9108	20.3974	-0.76	35.49
1844	Shell-Thick	SLE-QP	5.0155	25.7282	-0.30	35.49
1844	Shell-Thick	SLE-QP	5.1321	25.4129	-0.30	35.03
1844	Shell-Thick	SLE-QP	3.9529	20.1569	-0.76	35.03
1845	Shell-Thick	SLU-STATICA	8.0888	42.3194	-1.20	63.81
1845	Shell-Thick	SLU-STATICA	10.1642	51.8890	-0.47	63.81
1845	Shell-Thick	SLU-STATICA	10.3349	51.2986	-0.47	63.08
1845	Shell-Thick	SLU-STATICA	8.1694	41.8197	-1.20	63.08
1845	Shell-Thick	SLU-SISMICA	12.6129	65.8114	-1.24	86.72
1845	Shell-Thick	SLU-SISMICA	15.5023	78.8091	-0.49	86.72
1845	Shell-Thick	SLU-SISMICA	15.6671	78.1497	-0.49	85.97
1845	Shell-Thick	SLU-SISMICA	12.7085	65.2219	-1.24	85.97
1845	Shell-Thick	SLE-RARA	5.9038	30.8965	-0.91	47.21
1845	Shell-Thick	SLE-RARA	7.4358	37.9770	-0.36	47.21
1845	Shell-Thick	SLE-RARA	7.5655	37.5330	-0.36	46.65
1845	Shell-Thick	SLE-RARA	5.9641	30.5224	-0.91	46.65
1845	Shell-Thick	SLE-FREQ.	5.3864	28.2042	-0.88	44.16
1845	Shell-Thick	SLE-FREQ.	6.8138	34.8283	-0.35	44.16
1845	Shell-Thick	SLE-FREQ.	6.9407	34.4010	-0.35	43.62
1845	Shell-Thick	SLE-FREQ.	5.4440	27.8466	-0.88	43.62
1845	Shell-Thick	SLE-QP	3.8343	20.1270	-0.81	35.02



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1845	Shell-Thick	SLE-QP	4.9477	25.3822	-0.31	35.02
1845	Shell-Thick	SLE-QP	5.0665	25.0048	-0.31	34.53
1845	Shell-Thick	SLE-QP	3.8838	19.8193	-0.81	34.53
1846	Shell-Thick	SLU-STATICA	7.9819	41.7706	-1.33	63.05
1846	Shell-Thick	SLU-STATICA	9.9989	51.2431	-0.51	63.05
1846	Shell-Thick	SLU-STATICA	10.2045	50.5308	-0.51	62.24
1846	Shell-Thick	SLU-STATICA	8.0530	41.1933	-1.33	62.24
1846	Shell-Thick	SLU-SISMICA	12.4972	65.1748	-1.40	85.96
1846	Shell-Thick	SLU-SISMICA	15.3124	78.0836	-0.54	85.96
1846	Shell-Thick	SLU-SISMICA	15.5273	77.2343	-0.54	85.09
1846	Shell-Thick	SLU-SISMICA	12.5741	64.4640	-1.40	85.09
1846	Shell-Thick	SLE-RARA	5.8232	30.4850	-1.00	46.64
1846	Shell-Thick	SLE-RARA	7.3118	37.4915	-0.39	46.64
1846	Shell-Thick	SLE-RARA	7.4671	36.9586	-0.39	46.02
1846	Shell-Thick	SLE-RARA	5.8768	30.0543	-1.00	46.02
1846	Shell-Thick	SLE-FREQ.	5.3086	27.8100	-0.97	43.61
1846	Shell-Thick	SLE-FREQ.	6.6949	34.3613	-0.38	43.61
1846	Shell-Thick	SLE-FREQ.	6.8455	33.8529	-0.38	43.01
1846	Shell-Thick	SLE-FREQ.	5.3604	27.4009	-0.97	43.01
1846	Shell-Thick	SLE-QP	3.7646	19.7849	-0.88	34.51
1846	Shell-Thick	SLE-QP	4.8441	24.9708	-0.34	34.51
1846	Shell-Thick	SLE-QP	4.9809	24.5355	-0.34	33.97
1846	Shell-Thick	SLE-QP	3.8110	19.4406	-0.88	33.97
1847	Shell-Thick	SLU-STATICA	7.8295	41.1351	-1.49	62.22
1847	Shell-Thick	SLU-STATICA	9.8227	50.4680	-0.57	62.22
1847	Shell-Thick	SLU-STATICA	10.0385	49.6248	-0.57	61.30
1847	Shell-Thick	SLU-STATICA	7.9232	40.4147	-1.49	61.30
1847	Shell-Thick	SLU-SISMICA	12.3247	64.4028	-1.59	85.07
1847	Shell-Thick	SLU-SISMICA	15.0961	77.1593	-0.60	85.07
1847	Shell-Thick	SLU-SISMICA	15.3193	76.1067	-0.60	84.09
1847	Shell-Thick	SLU-SISMICA	12.4305	63.4684	-1.59	84.09
1847	Shell-Thick	SLE-RARA	5.7087	30.0103	-1.12	46.00
1847	Shell-Thick	SLE-RARA	7.1803	36.9116	-0.43	46.00
1847	Shell-Thick	SLE-RARA	7.3434	36.2831	-0.43	45.32
1847	Shell-Thick	SLE-RARA	5.7791	29.4751	-1.12	45.32
1847	Shell-Thick	SLE-FREQ.	5.1986	27.3582	-1.09	42.99
1847	Shell-Thick	SLE-FREQ.	6.5698	33.8080	-0.42	42.99
1847	Shell-Thick	SLE-FREQ.	6.7284	33.2122	-0.42	42.33
1847	Shell-Thick	SLE-FREQ.	5.2662	26.8537	-1.09	42.33
1847	Shell-Thick	SLE-QP	3.6680	19.4019	-0.98	33.95
1847	Shell-Thick	SLE-QP	4.7386	24.4972	-0.38	33.95
1847	Shell-Thick	SLE-QP	4.8833	23.9995	-0.38	33.36
1847	Shell-Thick	SLE-QP	3.7275	18.9898	-0.98	33.36
1848	Shell-Thick	SLU-STATICA	7.6499	40.3478	-1.70	61.28
1848	Shell-Thick	SLU-STATICA	9.6137	49.5520	-0.66	61.28
1848	Shell-Thick	SLU-STATICA	9.8733	48.5979	-0.66	60.24
1848	Shell-Thick	SLU-STATICA	7.7445	39.5594	-1.70	60.24
1848	Shell-Thick	SLU-SISMICA	12.1002	63.3932	-1.82	84.06
1848	Shell-Thick	SLU-SISMICA	14.8435	76.0207	-0.69	84.06
1848	Shell-Thick	SLU-SISMICA	15.1239	74.8002	-0.69	82.93
1848	Shell-Thick	SLU-SISMICA	12.1968	62.3573	-1.82	82.93
1848	Shell-Thick	SLE-RARA	5.5749	29.4248	-1.28	45.30
1848	Shell-Thick	SLE-RARA	7.0241	36.2286	-0.50	45.30
1848	Shell-Thick	SLE-RARA	7.2197	35.5189	-0.50	44.51
1848	Shell-Thick	SLE-RARA	5.6465	28.8398	-1.28	44.51
1848	Shell-Thick	SLE-FREQ.	5.0717	26.8055	-1.24	42.31
1848	Shell-Thick	SLE-FREQ.	6.4211	33.1601	-0.48	42.31
1848	Shell-Thick	SLE-FREQ.	6.6102	32.4898	-0.48	41.55
1848	Shell-Thick	SLE-FREQ.	5.1414	26.2552	-1.24	41.55
1848	Shell-Thick	SLE-QP	3.5621	18.9473	-1.12	33.34
1848	Shell-Thick	SLE-QP	4.6122	23.9547	-0.44	33.34
1848	Shell-Thick	SLE-QP	4.7817	23.4025	-0.44	32.66
1848	Shell-Thick	SLE-QP	3.6261	18.5012	-1.12	32.66
1849	Shell-Thick	SLU-STATICA	7.4578	39.4865	-1.97	60.21
1849	Shell-Thick	SLU-STATICA	9.3653	48.5118	-0.78	60.21
1849	Shell-Thick	SLU-STATICA	9.6467	47.4295	-0.78	59.02
1849	Shell-Thick	SLU-STATICA	7.5891	38.5551	-1.97	59.02
1849	Shell-Thick	SLU-SISMICA	11.8695	62.2722	-2.10	82.90
1849	Shell-Thick	SLU-SISMICA	14.5236	74.6999	-0.80	82.90

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1849	Shell-Thick	SLU-SISMICA	14.8206	73.2830	-0.80	81.60
1849	Shell-Thick	SLU-SISMICA	12.0081	61.0147	-2.10	81.60
1849	Shell-Thick	SLE-RARA	5.4312	28.7852	-1.49	44.49
1849	Shell-Thick	SLE-RARA	6.8395	35.4544	-0.59	44.49
1849	Shell-Thick	SLE-RARA	7.0519	34.6510	-0.59	43.60
1849	Shell-Thick	SLE-RARA	5.5304	28.0956	-1.49	43.60
1849	Shell-Thick	SLE-FREQ.	4.9348	26.2029	-1.44	41.53
1849	Shell-Thick	SLE-FREQ.	6.2469	32.4281	-0.57	41.53
1849	Shell-Thick	SLE-FREQ.	6.4528	31.6719	-0.57	40.67
1849	Shell-Thick	SLE-FREQ.	5.0308	25.5572	-1.44	40.67
1849	Shell-Thick	SLE-QP	3.4453	18.4560	-1.30	32.65
1849	Shell-Thick	SLE-QP	4.4693	23.3491	-0.52	32.65
1849	Shell-Thick	SLE-QP	4.6556	22.7348	-0.52	31.87
1849	Shell-Thick	SLE-QP	3.5323	17.9417	-1.30	31.87
1850	Shell-Thick	SLU-STATICA	7.2184	38.4752	-2.33	59.00
1850	Shell-Thick	SLU-STATICA	9.1057	47.3271	-0.97	59.00
1850	Shell-Thick	SLU-STATICA	9.4491	46.1555	-0.97	57.64
1850	Shell-Thick	SLU-STATICA	7.3704	37.4961	-2.33	57.64
1850	Shell-Thick	SLU-SISMICA	11.5545	60.9171	-2.46	81.58
1850	Shell-Thick	SLU-SISMICA	14.2019	73.1661	-0.98	81.58
1850	Shell-Thick	SLU-SISMICA	14.5714	71.6138	-0.98	80.11
1850	Shell-Thick	SLU-SISMICA	11.7009	59.5890	-2.46	80.11
1850	Shell-Thick	SLE-RARA	5.2536	28.0359	-1.76	43.58
1850	Shell-Thick	SLE-RARA	6.6458	34.5741	-0.73	43.58
1850	Shell-Thick	SLE-RARA	6.9047	33.7053	-0.73	42.56
1850	Shell-Thick	SLE-RARA	5.3690	27.3115	-1.76	42.56
1850	Shell-Thick	SLE-FREQ.	4.7678	25.5004	-1.71	40.65
1850	Shell-Thick	SLE-FREQ.	6.0631	31.5981	-0.71	40.65
1850	Shell-Thick	SLE-FREQ.	6.3135	30.7821	-0.71	39.66
1850	Shell-Thick	SLE-FREQ.	4.8808	24.8225	-1.71	39.66
1850	Shell-Thick	SLE-QP	3.3101	17.8937	-1.54	31.86
1850	Shell-Thick	SLE-QP	4.3151	22.6703	-0.66	31.86
1850	Shell-Thick	SLE-QP	4.5399	22.0124	-0.66	30.98
1850	Shell-Thick	SLE-QP	3.4160	17.3554	-1.54	30.98
1851	Shell-Thick	SLU-STATICA	7.1324	37.4392	-2.67	57.62
1851	Shell-Thick	SLU-STATICA	8.8704	46.0491	-1.19	57.62
1851	Shell-Thick	SLU-STATICA	9.2021	45.2133	-1.19	56.64
1851	Shell-Thick	SLU-STATICA	7.1858	36.6782	-2.67	56.64
1851	Shell-Thick	SLU-SISMICA	11.4357	59.5179	-2.77	80.08
1851	Shell-Thick	SLU-SISMICA	13.8843	71.4944	-1.17	80.08
1851	Shell-Thick	SLU-SISMICA	14.2315	70.3638	-1.17	79.01
1851	Shell-Thick	SLU-SISMICA	11.4825	58.4680	-2.77	79.01
1851	Shell-Thick	SLE-RARA	5.1901	27.2690	-2.02	42.54
1851	Shell-Thick	SLE-RARA	6.4716	33.6254	-0.90	42.54
1851	Shell-Thick	SLE-RARA	6.7222	33.0067	-0.90	41.80
1851	Shell-Thick	SLE-RARA	5.2309	26.7068	-2.02	41.80
1851	Shell-Thick	SLE-FREQ.	4.7084	24.7822	-1.96	39.65
1851	Shell-Thick	SLE-FREQ.	5.9000	30.7052	-0.88	39.65
1851	Shell-Thick	SLE-FREQ.	6.1431	30.1260	-0.88	38.93
1851	Shell-Thick	SLE-FREQ.	4.7488	24.2576	-1.96	38.93
1851	Shell-Thick	SLE-QP	3.2636	17.3218	-1.78	30.97
1851	Shell-Thick	SLE-QP	4.1852	21.9446	-0.82	30.97
1851	Shell-Thick	SLE-QP	4.4059	21.4839	-0.82	30.32
1851	Shell-Thick	SLE-QP	3.3025	16.9100	-1.78	30.32
1852	Shell-Thick	SLU-STATICA	6.8284	36.6105	-3.01	56.63
1852	Shell-Thick	SLU-STATICA	8.6095	45.0911	-1.33	56.63
1852	Shell-Thick	SLU-STATICA	9.0396	43.7593	-1.33	54.95
1852	Shell-Thick	SLU-STATICA	7.0497	35.4888	-3.01	54.95
1852	Shell-Thick	SLU-SISMICA	11.0333	58.3789	-3.11	79.00
1852	Shell-Thick	SLU-SISMICA	13.5585	70.2285	-1.31	79.00
1852	Shell-Thick	SLU-SISMICA	14.0144	68.4268	-1.31	77.20
1852	Shell-Thick	SLU-SISMICA	11.2403	56.8275	-3.11	77.20
1852	Shell-Thick	SLE-RARA	4.9646	26.6565	-2.27	41.80
1852	Shell-Thick	SLE-RARA	6.2772	32.9147	-1.01	41.80
1852	Shell-Thick	SLE-RARA	6.6018	31.9290	-1.01	40.53
1852	Shell-Thick	SLE-RARA	5.1330	25.8280	-2.27	40.53
1852	Shell-Thick	SLE-FREQ.	4.4967	24.2103	-2.21	38.93
1852	Shell-Thick	SLE-FREQ.	5.7157	30.0374	-0.99	38.93
1852	Shell-Thick	SLE-FREQ.	6.0302	29.1146	-0.99	37.70

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1852	Shell-Thick	SLE-FREQ.	4.6620	23.4376	-2.21	37.70
1852	Shell-Thick	SLE-QP	3.0927	16.8717	-2.02	30.32
1852	Shell-Thick	SLE-QP	4.0313	21.4052	-0.92	30.32
1852	Shell-Thick	SLE-QP	4.3154	20.6712	-0.92	29.22
1852	Shell-Thick	SLE-QP	3.2492	16.2662	-2.02	29.22
1853	Shell-Thick	SLU-STATICA	6.6142	35.4034	-3.30	54.94
1853	Shell-Thick	SLU-STATICA	8.2816	43.6060	-1.46	54.94
1853	Shell-Thick	SLU-STATICA	8.7303	42.1604	-1.46	53.10
1853	Shell-Thick	SLU-STATICA	6.8792	34.1430	-3.30	53.10
1853	Shell-Thick	SLU-SISMICA	10.7390	56.7168	-3.41	77.17
1853	Shell-Thick	SLU-SISMICA	13.1155	68.2575	-1.43	77.17
1853	Shell-Thick	SLU-SISMICA	13.5826	66.2759	-1.43	75.19
1853	Shell-Thick	SLU-SISMICA	10.9981	54.9447	-3.41	75.19
1853	Shell-Thick	SLE-RARA	4.8063	25.7646	-2.49	40.52
1853	Shell-Thick	SLE-RARA	6.0344	31.8136	-1.11	40.52
1853	Shell-Thick	SLE-RARA	6.3735	30.7450	-1.11	39.14
1853	Shell-Thick	SLE-RARA	5.0074	24.8350	-2.49	39.14
1853	Shell-Thick	SLE-FREQ.	4.3488	23.3778	-2.42	37.70
1853	Shell-Thick	SLE-FREQ.	5.4884	29.0034	-1.08	37.70
1853	Shell-Thick	SLE-FREQ.	5.8176	28.0051	-1.08	36.36
1853	Shell-Thick	SLE-FREQ.	4.5454	22.5131	-2.42	36.36
1853	Shell-Thick	SLE-QP	2.9764	16.2173	-2.21	29.22
1853	Shell-Thick	SLE-QP	3.8502	20.5725	-1.01	29.22
1853	Shell-Thick	SLE-QP	4.1498	19.7854	-1.01	28.02
1853	Shell-Thick	SLE-QP	3.1595	15.5476	-2.21	28.02
1854	Shell-Thick	SLU-STATICA	6.3575	34.0549	-3.53	53.11
1854	Shell-Thick	SLU-STATICA	7.9644	41.9910	-1.56	53.11
1854	Shell-Thick	SLU-STATICA	8.4569	40.4995	-1.56	51.14
1854	Shell-Thick	SLU-STATICA	6.6291	32.7857	-3.53	51.14
1854	Shell-Thick	SLU-SISMICA	10.3665	54.8280	-3.68	75.18
1854	Shell-Thick	SLU-SISMICA	12.6938	66.0885	-1.54	75.18
1854	Shell-Thick	SLU-SISMICA	13.2197	64.0356	-1.54	73.04
1854	Shell-Thick	SLU-SISMICA	10.6242	53.0450	-3.68	73.04
1854	Shell-Thick	SLE-RARA	4.6176	24.7697	-2.67	39.14
1854	Shell-Thick	SLE-RARA	5.7993	30.6175	-1.18	39.14
1854	Shell-Thick	SLE-RARA	6.1708	29.5153	-1.18	37.66
1854	Shell-Thick	SLE-RARA	4.8241	23.8335	-2.67	37.66
1854	Shell-Thick	SLE-FREQ.	4.1742	22.4518	-2.59	36.36
1854	Shell-Thick	SLE-FREQ.	5.2676	27.8823	-1.16	36.36
1854	Shell-Thick	SLE-FREQ.	5.6272	26.8534	-1.16	34.93
1854	Shell-Thick	SLE-FREQ.	4.3768	21.5810	-2.59	34.93
1854	Shell-Thick	SLE-QP	2.8443	15.4981	-2.35	28.03
1854	Shell-Thick	SLE-QP	3.6727	19.6764	-1.07	28.03
1854	Shell-Thick	SLE-QP	3.9965	18.8675	-1.07	26.75
1854	Shell-Thick	SLE-QP	3.0350	14.8232	-2.35	26.75
1855	Shell-Thick	SLU-STATICA	6.1229	32.6986	-3.69	51.14
1855	Shell-Thick	SLU-STATICA	7.6154	40.3170	-1.64	51.14
1855	Shell-Thick	SLU-STATICA	8.1098	38.7243	-1.64	49.08
1855	Shell-Thick	SLU-STATICA	6.4283	31.2963	-3.69	49.08
1855	Shell-Thick	SLU-SISMICA	10.0318	52.9288	-3.88	73.02
1855	Shell-Thick	SLU-SISMICA	12.2149	63.8323	-1.63	73.02
1855	Shell-Thick	SLU-SISMICA	12.7374	61.6126	-1.63	70.77
1855	Shell-Thick	SLU-SISMICA	10.3364	50.9287	-3.88	70.77
1855	Shell-Thick	SLE-RARA	4.4448	23.7690	-2.79	37.66
1855	Shell-Thick	SLE-RARA	5.5413	29.3781	-1.24	37.66
1855	Shell-Thick	SLE-RARA	5.9145	28.2024	-1.24	36.11
1855	Shell-Thick	SLE-RARA	4.6762	22.7362	-2.79	36.11
1855	Shell-Thick	SLE-FREQ.	4.0140	21.5204	-2.70	34.93
1855	Shell-Thick	SLE-FREQ.	5.0267	26.7212	-1.21	34.93
1855	Shell-Thick	SLE-FREQ.	5.3884	25.6261	-1.21	33.44
1855	Shell-Thick	SLE-FREQ.	4.2398	20.5622	-2.70	33.44
1855	Shell-Thick	SLE-QP	2.7215	14.7746	-2.45	26.75
1855	Shell-Thick	SLE-QP	3.4828	18.7506	-1.12	26.75
1855	Shell-Thick	SLE-QP	3.8099	17.8970	-1.12	25.42
1855	Shell-Thick	SLE-QP	2.9303	14.0402	-2.45	25.42
1856	Shell-Thick	SLU-STATICA	5.8688	31.2088	-3.83	49.10
1856	Shell-Thick	SLU-STATICA	7.2667	38.5312	-1.69	49.10
1856	Shell-Thick	SLU-STATICA	7.7920	36.9377	-1.69	46.96
1856	Shell-Thick	SLU-STATICA	6.1722	29.8387	-3.83	46.96

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1856	Shell-Thick	SLU-SISMICA	9.6598	50.8106	-4.08	70.78
1856	Shell-Thick	SLU-SISMICA	11.7375	61.3954	-1.71	70.78
1856	Shell-Thick	SLU-SISMICA	12.3082	59.1671	-1.71	68.41
1856	Shell-Thick	SLU-SISMICA	9.9573	48.8574	-4.08	68.41
1856	Shell-Thick	SLE-RARA	4.2581	22.6715	-2.89	36.12
1856	Shell-Thick	SLE-RARA	5.2835	28.0574	-1.28	36.12
1856	Shell-Thick	SLE-RARA	5.6793	26.8815	-1.28	34.52
1856	Shell-Thick	SLE-RARA	4.4883	21.6623	-2.89	34.52
1856	Shell-Thick	SLE-FREQ.	3.8415	20.5016	-2.80	33.45
1856	Shell-Thick	SLE-FREQ.	4.7859	25.4866	-1.25	33.45
1856	Shell-Thick	SLE-FREQ.	5.1681	24.3919	-1.25	31.90
1856	Shell-Thick	SLE-FREQ.	4.0666	19.5652	-2.80	31.90
1856	Shell-Thick	SLE-QP	2.5919	13.9919	-2.52	25.44
1856	Shell-Thick	SLE-QP	3.2928	17.7742	-1.15	25.44
1856	Shell-Thick	SLE-QP	3.6346	16.9230	-1.15	24.07
1856	Shell-Thick	SLE-QP	2.8014	13.2740	-2.52	24.07
1857	Shell-Thick	SLU-STATICA	5.6134	29.7538	-3.89	46.98
1857	Shell-Thick	SLU-STATICA	6.9227	36.7369	-1.73	46.98
1857	Shell-Thick	SLU-STATICA	7.4363	35.0677	-1.73	44.82
1857	Shell-Thick	SLU-STATICA	5.9434	28.2698	-3.89	44.82
1857	Shell-Thick	SLU-SISMICA	9.2860	48.7422	-4.19	68.41
1857	Shell-Thick	SLU-SISMICA	11.2611	58.9386	-1.76	68.41
1857	Shell-Thick	SLU-SISMICA	11.8151	56.5738	-1.76	65.99
1857	Shell-Thick	SLU-SISMICA	9.6255	46.5938	-4.19	65.99
1857	Shell-Thick	SLE-RARA	4.0705	21.5995	-2.93	34.53
1857	Shell-Thick	SLE-RARA	5.0294	26.7308	-1.31	34.53
1857	Shell-Thick	SLE-RARA	5.4166	25.5006	-1.31	32.90
1857	Shell-Thick	SLE-RARA	4.3201	20.5082	-2.93	32.90
1857	Shell-Thick	SLE-FREQ.	3.6683	19.5065	-2.84	31.92
1857	Shell-Thick	SLE-FREQ.	4.5489	24.2471	-1.27	31.92
1857	Shell-Thick	SLE-FREQ.	4.9232	23.1044	-1.27	30.35
1857	Shell-Thick	SLE-FREQ.	3.9109	18.4966	-2.84	30.35
1857	Shell-Thick	SLE-QP	2.4617	13.2273	-2.55	24.08
1857	Shell-Thick	SLE-QP	3.1072	16.7962	-1.17	24.08
1857	Shell-Thick	SLE-QP	3.4430	15.9160	-1.17	22.70
1857	Shell-Thick	SLE-QP	2.6836	12.4620	-2.55	22.70
1858	Shell-Thick	SLU-STATICA	5.3872	28.1879	-3.93	44.84
1858	Shell-Thick	SLU-STATICA	6.5484	34.8608	-1.74	44.84
1858	Shell-Thick	SLU-STATICA	7.0799	33.2439	-1.74	42.64
1858	Shell-Thick	SLU-STATICA	5.7076	26.7838	-3.93	42.64
1858	Shell-Thick	SLU-SISMICA	8.9537	46.4820	-4.29	65.99
1858	Shell-Thick	SLU-SISMICA	10.7328	56.3349	-1.80	65.99
1858	Shell-Thick	SLU-SISMICA	11.3220	54.0367	-1.80	63.50
1858	Shell-Thick	SLU-SISMICA	9.2798	44.4487	-4.29	63.50
1858	Shell-Thick	SLE-RARA	3.9044	20.4476	-2.96	32.92
1858	Shell-Thick	SLE-RARA	4.7535	25.3454	-1.32	32.92
1858	Shell-Thick	SLE-RARA	5.1533	24.1542	-1.32	31.27
1858	Shell-Thick	SLE-RARA	4.1469	19.4150	-2.96	31.27
1858	Shell-Thick	SLE-FREQ.	3.5150	18.4400	-2.86	30.37
1858	Shell-Thick	SLE-FREQ.	4.2924	22.9557	-1.28	30.37
1858	Shell-Thick	SLE-FREQ.	4.6776	21.8499	-1.28	28.79
1858	Shell-Thick	SLE-FREQ.	3.7511	17.4846	-2.86	28.79
1858	Shell-Thick	SLE-QP	2.3469	12.4173	-2.55	22.72
1858	Shell-Thick	SLE-QP	2.9091	15.7866	-1.17	22.72
1858	Shell-Thick	SLE-QP	3.2506	14.9369	-1.17	21.33
1858	Shell-Thick	SLE-QP	2.5636	11.6933	-2.55	21.33
1859	Shell-Thick	SLU-STATICA	5.1117	26.7049	-3.88	42.68
1859	Shell-Thick	SLU-STATICA	6.2371	33.0352	-1.73	42.68
1859	Shell-Thick	SLU-STATICA	6.7425	31.3817	-1.73	40.52
1859	Shell-Thick	SLU-STATICA	5.4481	25.2218	-3.88	40.52
1859	Shell-Thick	SLU-SISMICA	8.5386	44.3399	-4.29	63.53
1859	Shell-Thick	SLU-SISMICA	10.2983	53.7925	-1.81	63.53
1859	Shell-Thick	SLU-SISMICA	10.8556	51.4110	-1.81	61.06
1859	Shell-Thick	SLU-SISMICA	8.8964	42.1598	-4.29	61.06
1859	Shell-Thick	SLE-RARA	3.7026	19.3566	-2.92	31.30
1859	Shell-Thick	SLE-RARA	4.5238	23.9978	-1.30	31.30
1859	Shell-Thick	SLE-RARA	4.9041	22.7811	-1.30	29.68
1859	Shell-Thick	SLE-RARA	3.9565	18.2676	-2.92	29.68
1859	Shell-Thick	SLE-FREQ.	3.3296	17.4301	-2.82	28.81

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1859	Shell-Thick	SLE-FREQ.	4.0785	21.7002	-1.26	28.81
1859	Shell-Thick	SLE-FREQ.	4.4452	20.5734	-1.26	27.26
1859	Shell-Thick	SLE-FREQ.	3.5755	16.4252	-2.82	27.26
1859	Shell-Thick	SLE-QP	2.2109	11.6505	-2.50	21.36
1859	Shell-Thick	SLE-QP	2.7426	14.8076	-1.15	21.36
1859	Shell-Thick	SLE-QP	3.0684	13.9502	-1.15	20.00
1859	Shell-Thick	SLE-QP	2.4327	10.8980	-2.50	20.00
1860	Shell-Thick	SLU-STATICA	4.9304	25.1486	-3.78	40.54
1860	Shell-Thick	SLU-STATICA	5.8505	31.1729	-1.68	40.54
1860	Shell-Thick	SLU-STATICA	6.3555	29.6203	-1.68	38.44
1860	Shell-Thick	SLU-STATICA	5.2453	23.7876	-3.78	38.44
1860	Shell-Thick	SLU-SISMICA	8.2694	42.0587	-4.25	61.07
1860	Shell-Thick	SLU-SISMICA	9.7348	51.1626	-1.78	61.07
1860	Shell-Thick	SLU-SISMICA	10.3071	48.9175	-1.78	58.61
1860	Shell-Thick	SLU-SISMICA	8.6022	40.0550	-4.25	58.61
1860	Shell-Thick	SLE-RARA	3.5696	18.2136	-2.84	29.70
1860	Shell-Thick	SLE-RARA	4.2396	22.6250	-1.27	29.70
1860	Shell-Thick	SLE-RARA	4.6189	21.4829	-1.27	28.12
1860	Shell-Thick	SLE-RARA	3.8073	17.2143	-2.84	28.12
1860	Shell-Thick	SLE-FREQ.	3.2072	16.3748	-2.74	27.28
1860	Shell-Thick	SLE-FREQ.	3.8159	20.4243	-1.23	27.28
1860	Shell-Thick	SLE-FREQ.	4.1803	19.3674	-1.23	25.77
1860	Shell-Thick	SLE-FREQ.	3.4376	15.4529	-2.74	25.77
1860	Shell-Thick	SLE-QP	2.1200	10.8585	-2.41	20.02
1860	Shell-Thick	SLE-QP	2.5447	13.8225	-1.11	20.02
1860	Shell-Thick	SLE-QP	2.8644	13.0207	-1.11	18.72
1860	Shell-Thick	SLE-QP	2.3283	10.1690	-2.41	18.72
1861	Shell-Thick	SLU-STATICA	4.6351	23.7151	-3.56	38.48
1861	Shell-Thick	SLU-STATICA	5.5947	29.4186	-1.58	38.48
1861	Shell-Thick	SLU-STATICA	6.0541	27.8759	-1.58	36.51
1861	Shell-Thick	SLU-STATICA	4.9470	22.3215	-3.56	36.51
1861	Shell-Thick	SLU-SISMICA	7.8109	39.9536	-4.05	58.66
1861	Shell-Thick	SLU-SISMICA	9.3717	48.6736	-1.71	58.66
1861	Shell-Thick	SLU-SISMICA	9.8926	46.4165	-1.71	56.32
1861	Shell-Thick	SLU-SISMICA	8.1551	37.8749	-4.05	56.32
1861	Shell-Thick	SLE-RARA	3.3540	17.1608	-2.67	28.15
1861	Shell-Thick	SLE-RARA	4.0511	21.3322	-1.19	28.15
1861	Shell-Thick	SLE-RARA	4.3962	20.1989	-1.19	26.68
1861	Shell-Thick	SLE-RARA	3.5887	16.1389	-2.67	26.68
1861	Shell-Thick	SLE-FREQ.	3.0103	15.4031	-2.56	25.80
1861	Shell-Thick	SLE-FREQ.	3.6408	19.2238	-1.15	25.80
1861	Shell-Thick	SLE-FREQ.	3.9723	18.1772	-1.15	24.39
1861	Shell-Thick	SLE-FREQ.	3.2365	14.4628	-2.56	24.39
1861	Shell-Thick	SLE-QP	1.9792	10.1303	-2.24	18.75
1861	Shell-Thick	SLE-QP	2.4100	12.8987	-1.03	18.75
1861	Shell-Thick	SLE-QP	2.7008	12.1120	-1.03	17.53
1861	Shell-Thick	SLE-QP	2.1801	9.4344	-2.24	17.53
1862	Shell-Thick	SLU-STATICA	4.5507	22.2630	-3.24	36.52
1862	Shell-Thick	SLU-STATICA	5.2439	27.6932	-1.43	36.52
1862	Shell-Thick	SLU-STATICA	5.6478	26.4792	-1.43	34.97
1862	Shell-Thick	SLU-STATICA	4.7496	21.1797	-3.24	34.97
1862	Shell-Thick	SLU-SISMICA	7.6747	37.7936	-3.78	56.33
1862	Shell-Thick	SLU-SISMICA	8.8358	46.1904	-1.59	56.33
1862	Shell-Thick	SLU-SISMICA	9.3129	44.4072	-1.59	54.45
1862	Shell-Thick	SLU-SISMICA	7.8895	36.1777	-3.78	54.45
1862	Shell-Thick	SLE-RARA	3.2926	16.0957	-2.43	26.69
1862	Shell-Thick	SLE-RARA	3.7945	20.0626	-1.08	26.69
1862	Shell-Thick	SLE-RARA	4.0969	19.1710	-1.08	25.52
1862	Shell-Thick	SLE-RARA	3.4425	15.3014	-2.43	25.52
1862	Shell-Thick	SLE-FREQ.	2.9546	14.4225	-2.33	24.40
1862	Shell-Thick	SLE-FREQ.	3.4058	18.0478	-1.04	24.40
1862	Shell-Thick	SLE-FREQ.	3.6947	17.2250	-1.04	23.29
1862	Shell-Thick	SLE-FREQ.	3.0996	13.6915	-2.33	23.29
1862	Shell-Thick	SLE-QP	1.9409	9.4029	-2.01	17.54
1862	Shell-Thick	SLE-QP	2.2395	12.0034	-0.92	17.54
1862	Shell-Thick	SLE-QP	2.4881	11.3869	-0.92	16.60
1862	Shell-Thick	SLE-QP	2.0708	8.8620	-2.01	16.60
1863	Shell-Thick	SLU-STATICA	4.1795	21.1143	-2.82	35.01
1863	Shell-Thick	SLU-STATICA	5.0250	26.3060	-1.16	35.01

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1863	Shell-Thick	SLU-STATICA	5.4169	24.7412	-1.16	33.11
1863	Shell-Thick	SLU-STATICA	4.4692	19.7031	-2.82	33.11
1863	Shell-Thick	SLU-SISMICA	7.1179	36.0854	-3.39	54.50
1863	Shell-Thick	SLU-SISMICA	8.5279	44.1882	-1.34	54.50
1863	Shell-Thick	SLU-SISMICA	8.9954	41.8733	-1.34	52.16
1863	Shell-Thick	SLU-SISMICA	7.4603	33.9586	-3.39	52.16
1863	Shell-Thick	SLE-RARA	3.0206	15.2532	-2.11	25.56
1863	Shell-Thick	SLE-RARA	3.6331	19.0421	-0.87	25.56
1863	Shell-Thick	SLE-RARA	3.9263	17.8938	-0.87	24.14
1863	Shell-Thick	SLE-RARA	3.2375	14.2195	-2.11	24.14
1863	Shell-Thick	SLE-FREQ.	2.7047	13.6467	-2.01	23.33
1863	Shell-Thick	SLE-FREQ.	3.2557	17.1030	-0.83	23.33
1863	Shell-Thick	SLE-FREQ.	3.5354	16.0447	-0.83	21.98
1863	Shell-Thick	SLE-FREQ.	2.9119	12.6974	-2.01	21.98
1863	Shell-Thick	SLE-QP	1.7568	8.8274	-1.71	16.63
1863	Shell-Thick	SLE-QP	2.1233	11.2858	-0.72	16.63
1863	Shell-Thick	SLE-QP	2.3627	10.4973	-0.72	15.50
1863	Shell-Thick	SLE-QP	1.9350	8.1310	-1.71	15.50
1864	Shell-Thick	SLU-STATICA	4.0478	19.6382	-2.39	33.13
1864	Shell-Thick	SLU-STATICA	4.6659	24.5716	-0.97	33.13
1864	Shell-Thick	SLU-STATICA	4.9841	23.3244	-0.97	31.71
1864	Shell-Thick	SLU-STATICA	4.2333	18.5247	-2.39	31.71
1864	Shell-Thick	SLU-SISMICA	6.9251	33.8687	-2.95	52.17
1864	Shell-Thick	SLU-SISMICA	7.9781	41.6527	-1.16	52.17
1864	Shell-Thick	SLU-SISMICA	8.3728	39.7968	-1.16	50.38
1864	Shell-Thick	SLU-SISMICA	7.1480	32.1860	-2.95	50.38
1864	Shell-Thick	SLE-RARA	2.9238	14.1716	-1.78	24.15
1864	Shell-Thick	SLE-RARA	3.3705	17.7678	-0.72	24.15
1864	Shell-Thick	SLE-RARA	3.6078	16.8531	-0.72	23.09
1864	Shell-Thick	SLE-RARA	3.0625	13.3562	-1.78	23.09
1864	Shell-Thick	SLE-FREQ.	2.6153	12.6527	-1.69	21.99
1864	Shell-Thick	SLE-FREQ.	3.0152	15.9260	-0.69	21.99
1864	Shell-Thick	SLE-FREQ.	3.2403	15.0838	-0.69	20.99
1864	Shell-Thick	SLE-FREQ.	2.7474	11.9042	-1.69	20.99
1864	Shell-Thick	SLE-QP	1.6896	8.0960	-1.42	15.51
1864	Shell-Thick	SLE-QP	1.9493	10.4005	-0.59	15.51
1864	Shell-Thick	SLE-QP	2.1380	9.7761	-0.59	14.68
1864	Shell-Thick	SLE-QP	1.8023	7.5482	-1.42	14.68
1865	Shell-Thick	SLU-STATICA	3.7348	18.4643	-2.05	31.74
1865	Shell-Thick	SLU-STATICA	4.5029	23.1889	-0.82	31.74
1865	Shell-Thick	SLU-STATICA	4.7687	22.0422	-0.82	30.52
1865	Shell-Thick	SLU-STATICA	3.8995	17.4195	-2.05	30.52
1865	Shell-Thick	SLU-SISMICA	6.4500	32.1006	-2.58	50.43
1865	Shell-Thick	SLU-SISMICA	7.7451	39.6170	-1.01	50.43
1865	Shell-Thick	SLU-SISMICA	8.0776	37.8970	-1.01	48.86
1865	Shell-Thick	SLU-SISMICA	6.6561	30.5082	-2.58	48.86
1865	Shell-Thick	SLE-RARA	2.6947	13.3117	-1.52	23.12
1865	Shell-Thick	SLE-RARA	3.2505	16.7526	-0.61	23.12
1865	Shell-Thick	SLE-RARA	3.4486	15.9122	-0.61	22.21
1865	Shell-Thick	SLE-RARA	2.8175	12.5473	-1.52	22.21
1865	Shell-Thick	SLE-FREQ.	2.4051	11.8628	-1.44	21.02
1865	Shell-Thick	SLE-FREQ.	2.9039	14.9895	-0.58	21.02
1865	Shell-Thick	SLE-FREQ.	3.0916	14.2169	-0.58	20.16
1865	Shell-Thick	SLE-FREQ.	2.5215	11.1623	-1.44	20.16
1865	Shell-Thick	SLE-QP	1.5363	7.5162	-1.20	14.70
1865	Shell-Thick	SLE-QP	1.8641	9.7001	-0.49	14.70
1865	Shell-Thick	SLE-QP	2.0208	9.1310	-0.49	13.99
1865	Shell-Thick	SLE-QP	1.6335	7.0072	-1.20	13.99
1866	Shell-Thick	SLU-STATICA	3.6133	17.3670	-1.74	30.52
1866	Shell-Thick	SLU-STATICA	4.1972	21.9231	-0.70	30.52
1866	Shell-Thick	SLU-STATICA	4.4330	20.8821	-0.70	29.47
1866	Shell-Thick	SLU-STATICA	3.7435	16.4324	-1.74	29.47
1866	Shell-Thick	SLU-SISMICA	6.2826	30.4344	-2.23	48.85
1866	Shell-Thick	SLU-SISMICA	7.2774	37.7360	-0.86	48.85
1866	Shell-Thick	SLU-SISMICA	7.5790	36.1640	-0.86	47.49
1866	Shell-Thick	SLU-SISMICA	6.4449	29.0028	-2.23	47.49
1866	Shell-Thick	SLE-RARA	2.6050	12.5086	-1.30	22.21
1866	Shell-Thick	SLE-RARA	3.0269	15.8241	-0.52	22.21
1866	Shell-Thick	SLE-RARA	3.2023	15.0618	-0.52	21.43



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1866	Shell-Thick	SLE-RARA	2.7020	11.8252	-1.30	21.43
1866	Shell-Thick	SLE-FREQ.	2.3214	11.1263	-1.23	20.16
1866	Shell-Thick	SLE-FREQ.	2.6991	14.1344	-0.49	20.16
1866	Shell-Thick	SLE-FREQ.	2.8648	13.4345	-0.49	19.42
1866	Shell-Thick	SLE-FREQ.	2.4134	10.5006	-1.23	19.42
1866	Shell-Thick	SLE-QP	1.4706	6.9793	-1.01	14.00
1866	Shell-Thick	SLE-QP	1.7159	9.0654	-0.41	14.00
1866	Shell-Thick	SLE-QP	1.8523	8.5528	-0.41	13.40
1866	Shell-Thick	SLE-QP	1.5476	6.5267	-1.01	13.40
1867	Shell-Thick	SLU-STATICA	3.3487	16.3799	-1.48	29.49
1867	Shell-Thick	SLU-STATICA	4.0627	20.7816	-0.58	29.49
1867	Shell-Thick	SLU-STATICA	4.2579	19.8552	-0.58	28.60
1867	Shell-Thick	SLU-STATICA	3.4625	15.5356	-1.48	28.60
1867	Shell-Thick	SLU-SISMICA	5.8793	28.9274	-1.90	47.52
1867	Shell-Thick	SLU-SISMICA	7.0820	36.0268	-0.73	47.52
1867	Shell-Thick	SLU-SISMICA	7.3320	34.6201	-0.73	46.35
1867	Shell-Thick	SLU-SISMICA	6.0244	27.6264	-1.90	46.35
1867	Shell-Thick	SLE-RARA	2.4113	11.7865	-1.10	21.45
1867	Shell-Thick	SLE-RARA	2.9281	14.9875	-0.43	21.45
1867	Shell-Thick	SLE-RARA	3.0732	14.3094	-0.43	20.79
1867	Shell-Thick	SLE-RARA	2.4960	11.1695	-1.10	20.79
1867	Shell-Thick	SLE-FREQ.	2.1439	10.4647	-1.04	19.44
1867	Shell-Thick	SLE-FREQ.	2.6077	13.3650	-0.41	19.44
1867	Shell-Thick	SLE-FREQ.	2.7448	12.7432	-0.41	18.82
1867	Shell-Thick	SLE-FREQ.	2.2239	9.9005	-1.04	18.82
1867	Shell-Thick	SLE-QP	1.3416	6.4994	-0.85	13.41
1867	Shell-Thick	SLE-QP	1.6468	8.4978	-0.34	13.41
1867	Shell-Thick	SLE-QP	1.7596	8.0446	-0.34	12.90
1867	Shell-Thick	SLE-QP	1.4077	6.0934	-0.85	12.90
1868	Shell-Thick	SLU-STATICA	3.2395	15.4904	-1.24	28.59
1868	Shell-Thick	SLU-STATICA	3.8208	19.7684	-0.48	28.59
1868	Shell-Thick	SLU-STATICA	3.9914	18.9344	-0.48	27.84
1868	Shell-Thick	SLU-STATICA	3.3271	14.7400	-1.24	27.84
1868	Shell-Thick	SLU-SISMICA	5.7231	27.5615	-1.60	46.34
1868	Shell-Thick	SLU-SISMICA	6.7090	34.5001	-0.61	46.34
1868	Shell-Thick	SLU-SISMICA	6.9307	33.2260	-0.61	45.35
1868	Shell-Thick	SLU-SISMICA	5.8330	26.3999	-1.60	45.35
1868	Shell-Thick	SLE-RARA	2.3309	11.1363	-0.92	20.78
1868	Shell-Thick	SLE-RARA	2.7513	14.2452	-0.36	20.78
1868	Shell-Thick	SLE-RARA	2.8780	13.6353	-0.36	20.22
1868	Shell-Thick	SLE-RARA	2.3962	10.5882	-0.92	20.22
1868	Shell-Thick	SLE-FREQ.	2.0694	9.8697	-0.87	18.81
1868	Shell-Thick	SLE-FREQ.	2.4461	12.6833	-0.34	18.81
1868	Shell-Thick	SLE-FREQ.	2.5655	12.1246	-0.34	18.29
1868	Shell-Thick	SLE-FREQ.	2.1312	9.3689	-0.87	18.29
1868	Shell-Thick	SLE-QP	1.2846	6.0699	-0.71	12.90
1868	Shell-Thick	SLE-QP	1.5305	7.9976	-0.28	12.90
1868	Shell-Thick	SLE-QP	1.6279	7.5925	-0.28	12.47
1868	Shell-Thick	SLE-QP	1.3361	5.7110	-0.71	12.47
1869	Shell-Thick	SLU-STATICA	3.0310	14.6960	-1.03	27.85
1869	Shell-Thick	SLU-STATICA	3.7087	18.8627	-0.40	27.85
1869	Shell-Thick	SLU-STATICA	3.8486	18.1397	-0.40	27.22
1869	Shell-Thick	SLU-STATICA	3.1059	14.0385	-1.03	27.22
1869	Shell-Thick	SLU-SISMICA	5.4026	26.3354	-1.34	45.37
1869	Shell-Thick	SLU-SISMICA	6.5420	33.1266	-0.50	45.37
1869	Shell-Thick	SLU-SISMICA	6.7234	32.0183	-0.50	44.53
1869	Shell-Thick	SLU-SISMICA	5.4979	25.3139	-1.34	44.53
1869	Shell-Thick	SLE-RARA	2.1785	10.5558	-0.77	20.23
1869	Shell-Thick	SLE-RARA	2.6691	13.5823	-0.30	20.23
1869	Shell-Thick	SLE-RARA	2.7730	13.0537	-0.30	19.76
1869	Shell-Thick	SLE-RARA	2.2343	10.0757	-0.77	19.76
1869	Shell-Thick	SLE-FREQ.	1.9299	9.3390	-0.72	18.30
1869	Shell-Thick	SLE-FREQ.	2.3704	12.0752	-0.28	18.30
1869	Shell-Thick	SLE-FREQ.	2.4683	11.5913	-0.28	17.85
1869	Shell-Thick	SLE-FREQ.	1.9826	8.9007	-0.72	17.85
1869	Shell-Thick	SLE-QP	1.1841	5.6886	-0.59	12.48
1869	Shell-Thick	SLE-QP	1.4745	7.5538	-0.23	12.48
1869	Shell-Thick	SLE-QP	1.5544	7.2040	-0.23	12.12
1869	Shell-Thick	SLE-QP	1.2276	5.3755	-0.59	12.12

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1870	Shell-Thick	SLU-STATICA	2.9308	14.0003	-0.85	27.21
1870	Shell-Thick	SLU-STATICA	3.5272	18.0786	-0.33	27.21
1870	Shell-Thick	SLU-STATICA	3.6480	17.4355	-0.33	26.69
1870	Shell-Thick	SLU-STATICA	2.9867	13.4225	-0.85	26.69
1870	Shell-Thick	SLU-SISMICA	5.2531	25.2576	-1.11	44.51
1870	Shell-Thick	SLU-SISMICA	6.2605	31.9330	-0.41	44.51
1870	Shell-Thick	SLU-SISMICA	6.4191	30.9421	-0.41	43.82
1870	Shell-Thick	SLU-SISMICA	5.3222	24.3567	-1.11	43.82
1870	Shell-Thick	SLE-RARA	2.1051	10.0477	-0.63	19.76
1870	Shell-Thick	SLE-RARA	2.5365	13.0086	-0.24	19.76
1870	Shell-Thick	SLE-RARA	2.6261	12.5386	-0.24	19.37
1870	Shell-Thick	SLE-RARA	2.1468	9.6259	-0.63	19.37
1870	Shell-Thick	SLE-FREQ.	1.8623	8.8748	-0.60	17.85
1870	Shell-Thick	SLE-FREQ.	2.2493	11.5493	-0.23	17.85
1870	Shell-Thick	SLE-FREQ.	2.3337	11.1195	-0.23	17.48
1870	Shell-Thick	SLE-FREQ.	1.9019	8.4900	-0.60	17.48
1870	Shell-Thick	SLE-QP	1.1341	5.3562	-0.49	12.12
1870	Shell-Thick	SLE-QP	1.3878	7.1713	-0.19	12.12
1870	Shell-Thick	SLE-QP	1.4562	6.8620	-0.19	11.83
1870	Shell-Thick	SLE-QP	1.1673	5.0822	-0.49	11.83
1871	Shell-Thick	SLU-STATICA	2.7717	13.3861	-0.70	26.69
1871	Shell-Thick	SLU-STATICA	3.4331	17.3858	-0.26	26.69
1871	Shell-Thick	SLU-STATICA	3.5314	16.8384	-0.26	26.25
1871	Shell-Thick	SLU-STATICA	2.8185	12.8905	-0.70	26.25
1871	Shell-Thick	SLU-SISMICA	5.0066	24.3024	-0.91	43.82
1871	Shell-Thick	SLU-SISMICA	6.1170	30.8728	-0.33	43.82
1871	Shell-Thick	SLU-SISMICA	6.2456	30.0275	-0.33	43.24
1871	Shell-Thick	SLU-SISMICA	5.0648	23.5280	-0.91	43.24
1871	Shell-Thick	SLE-RARA	1.9888	9.5993	-0.52	19.37
1871	Shell-Thick	SLE-RARA	2.4677	12.5019	-0.20	19.37
1871	Shell-Thick	SLE-RARA	2.5406	12.1020	-0.20	19.04
1871	Shell-Thick	SLE-RARA	2.0237	9.2376	-0.52	19.04
1871	Shell-Thick	SLE-FREQ.	1.7561	8.4655	-0.49	17.48
1871	Shell-Thick	SLE-FREQ.	2.1863	11.0853	-0.19	17.48
1871	Shell-Thick	SLE-FREQ.	2.2549	10.7197	-0.19	17.18
1871	Shell-Thick	SLE-FREQ.	1.7892	8.1357	-0.49	17.18
1871	Shell-Thick	SLE-QP	1.0580	5.0641	-0.40	11.83
1871	Shell-Thick	SLE-QP	1.3420	6.8354	-0.16	11.83
1871	Shell-Thick	SLE-QP	1.3978	6.5728	-0.16	11.58
1871	Shell-Thick	SLE-QP	1.0857	4.8298	-0.40	11.58
1872	Shell-Thick	SLU-STATICA	2.6802	12.8586	-0.57	26.24
1872	Shell-Thick	SLU-STATICA	3.3025	16.7968	-0.21	26.24
1872	Shell-Thick	SLU-STATICA	3.3868	16.3139	-0.21	25.88
1872	Shell-Thick	SLU-STATICA	2.7134	12.4271	-0.57	25.88
1872	Shell-Thick	SLU-SISMICA	4.8654	23.4800	-0.74	43.22
1872	Shell-Thick	SLU-SISMICA	5.9141	29.9694	-0.26	43.22
1872	Shell-Thick	SLU-SISMICA	6.0257	29.2201	-0.26	42.74
1872	Shell-Thick	SLU-SISMICA	4.9046	22.8035	-0.74	42.74
1872	Shell-Thick	SLE-RARA	1.9220	9.2143	-0.42	19.04
1872	Shell-Thick	SLE-RARA	2.3723	12.0713	-0.16	19.04
1872	Shell-Thick	SLE-RARA	2.4348	11.7187	-0.16	18.77
1872	Shell-Thick	SLE-RARA	1.9468	8.8995	-0.42	18.77
1872	Shell-Thick	SLE-FREQ.	1.6950	8.1142	-0.40	17.17
1872	Shell-Thick	SLE-FREQ.	2.0992	10.6911	-0.15	17.17
1872	Shell-Thick	SLE-FREQ.	2.1579	10.3691	-0.15	16.92
1872	Shell-Thick	SLE-FREQ.	1.7188	7.8274	-0.40	16.92
1872	Shell-Thick	SLE-QP	1.0141	4.8140	-0.33	11.58
1872	Shell-Thick	SLE-QP	1.2798	6.5506	-0.13	11.58
1872	Shell-Thick	SLE-QP	1.3272	6.3203	-0.13	11.38
1872	Shell-Thick	SLE-QP	1.0345	4.6108	-0.33	11.38
1873	Shell-Thick	SLU-STATICA	2.5615	12.3972	-0.47	25.88
1873	Shell-Thick	SLU-STATICA	3.2226	16.2806	-0.17	25.88
1873	Shell-Thick	SLU-STATICA	3.2906	15.8735	-0.17	25.58
1873	Shell-Thick	SLU-STATICA	2.5884	12.0315	-0.47	25.58
1873	Shell-Thick	SLU-SISMICA	4.6808	22.7580	-0.60	42.74
1873	Shell-Thick	SLU-SISMICA	5.7891	29.1736	-0.20	42.74
1873	Shell-Thick	SLU-SISMICA	5.8788	28.5407	-0.20	42.34
1873	Shell-Thick	SLU-SISMICA	4.7124	22.1836	-0.60	42.34
1873	Shell-Thick	SLE-RARA	1.8354	8.8777	-0.35	18.77



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1873	Shell-Thick	SLE-RARA	2.3140	11.6941	-0.12	18.77
1873	Shell-Thick	SLE-RARA	2.3644	11.3969	-0.12	18.55
1873	Shell-Thick	SLE-RARA	1.8555	8.6109	-0.35	18.55
1873	Shell-Thick	SLE-FREQ.	1.6160	7.8073	-0.33	16.92
1873	Shell-Thick	SLE-FREQ.	2.0460	10.3462	-0.12	16.92
1873	Shell-Thick	SLE-FREQ.	2.0934	10.0749	-0.12	16.71
1873	Shell-Thick	SLE-FREQ.	1.6352	7.5643	-0.33	16.71
1873	Shell-Thick	SLE-QP	0.9577	4.5963	-0.27	11.38
1873	Shell-Thick	SLE-QP	1.2421	6.3025	-9.977E-02	11.38
1873	Shell-Thick	SLE-QP	1.2804	6.1088	-9.977E-02	11.21
1873	Shell-Thick	SLE-QP	0.9743	4.4244	-0.27	11.21
1874	Shell-Thick	SLU-STATICA	2.4753	12.0044	-0.37	25.57
1874	Shell-Thick	SLU-STATICA	3.1325	15.8464	-0.13	25.57
1874	Shell-Thick	SLU-STATICA	3.1908	15.4836	-0.13	25.33
1874	Shell-Thick	SLU-STATICA	2.4919	11.6835	-0.37	25.33
1874	Shell-Thick	SLU-SISMICA	4.5434	22.1417	-0.48	42.33
1874	Shell-Thick	SLU-SISMICA	5.6495	28.5029	-0.16	42.33
1874	Shell-Thick	SLU-SISMICA	5.7277	27.9345	-0.16	42.01
1874	Shell-Thick	SLU-SISMICA	4.5602	21.6349	-0.48	42.01
1874	Shell-Thick	SLE-RARA	1.7726	8.5911	-0.28	18.54
1874	Shell-Thick	SLE-RARA	2.2482	11.3768	-9.665E-02	18.54
1874	Shell-Thick	SLE-RARA	2.2914	11.1122	-9.665E-02	18.36
1874	Shell-Thick	SLE-RARA	1.7852	8.3572	-0.28	18.36
1874	Shell-Thick	SLE-FREQ.	1.5589	7.5462	-0.26	16.71
1874	Shell-Thick	SLE-FREQ.	1.9859	10.0562	-9.209E-02	16.71
1874	Shell-Thick	SLE-FREQ.	2.0264	9.8149	-9.209E-02	16.54
1874	Shell-Thick	SLE-FREQ.	1.5712	7.3334	-0.26	16.54
1874	Shell-Thick	SLE-QP	0.9179	4.4114	-0.21	11.21
1874	Shell-Thick	SLE-QP	1.1990	6.0942	-7.840E-02	11.21
1874	Shell-Thick	SLE-QP	1.2315	5.9233	-7.840E-02	11.07
1874	Shell-Thick	SLE-QP	0.9292	4.2617	-0.21	11.07
1875	Shell-Thick	SLU-STATICA	2.3857	11.6577	-0.29	25.32
1875	Shell-Thick	SLU-STATICA	3.0586	15.4617	-9.601E-02	25.32
1875	Shell-Thick	SLU-STATICA	3.1049	15.1531	-9.601E-02	25.13
1875	Shell-Thick	SLU-STATICA	2.3980	11.3834	-0.29	25.13
1875	Shell-Thick	SLU-SISMICA	4.4031	21.5945	-0.38	41.99
1875	Shell-Thick	SLU-SISMICA	5.5301	27.9040	-0.11	41.99
1875	Shell-Thick	SLU-SISMICA	5.5920	27.4182	-0.11	41.73
1875	Shell-Thick	SLU-SISMICA	4.4146	21.1593	-0.38	41.73
1875	Shell-Thick	SLE-RARA	1.7073	8.3384	-0.22	18.36
1875	Shell-Thick	SLE-RARA	2.1945	11.0960	-7.197E-02	18.36
1875	Shell-Thick	SLE-RARA	2.2288	10.8710	-7.197E-02	18.21
1875	Shell-Thick	SLE-RARA	1.7166	8.1385	-0.22	18.21
1875	Shell-Thick	SLE-FREQ.	1.4994	7.3162	-0.21	16.54
1875	Shell-Thick	SLE-FREQ.	1.9373	9.7999	-6.891E-02	16.54
1875	Shell-Thick	SLE-FREQ.	1.9695	9.5950	-6.891E-02	16.40
1875	Shell-Thick	SLE-FREQ.	1.5085	7.1345	-0.21	16.40
1875	Shell-Thick	SLE-QP	0.8757	4.2496	-0.17	11.07
1875	Shell-Thick	SLE-QP	1.1656	5.9116	-5.974E-02	11.07
1875	Shell-Thick	SLE-QP	1.1915	5.7670	-5.974E-02	10.96
1875	Shell-Thick	SLE-QP	0.8843	4.1223	-0.17	10.96
1876	Shell-Thick	SLU-STATICA	2.2887	11.3578	-0.22	25.12
1876	Shell-Thick	SLU-STATICA	2.9985	15.1355	-6.688E-02	25.12
1876	Shell-Thick	SLU-STATICA	3.0387	14.8403	-6.688E-02	24.96
1876	Shell-Thick	SLU-STATICA	2.2920	11.0995	-0.22	24.96
1876	Shell-Thick	SLU-SISMICA	4.2416	21.1182	-0.28	41.72
1876	Shell-Thick	SLU-SISMICA	5.4373	27.3938	-7.250E-02	41.72
1876	Shell-Thick	SLU-SISMICA	5.4924	26.9205	-7.250E-02	41.51
1876	Shell-Thick	SLU-SISMICA	4.2397	20.7021	-0.28	41.51
1876	Shell-Thick	SLE-RARA	1.6369	8.1199	-0.17	18.21
1876	Shell-Thick	SLE-RARA	2.1506	10.8580	-5.040E-02	18.21
1876	Shell-Thick	SLE-RARA	2.1803	10.6432	-5.040E-02	18.09
1876	Shell-Thick	SLE-RARA	1.6397	7.9321	-0.17	18.09
1876	Shell-Thick	SLE-FREQ.	1.4361	7.1176	-0.16	16.39
1876	Shell-Thick	SLE-FREQ.	1.8971	9.5829	-4.869E-02	16.39
1876	Shell-Thick	SLE-FREQ.	1.9249	9.3880	-4.869E-02	16.29
1876	Shell-Thick	SLE-FREQ.	1.4392	6.9474	-0.16	16.29
1876	Shell-Thick	SLE-QP	0.8335	4.1106	-0.13	10.96
1876	Shell-Thick	SLE-QP	1.1368	5.7576	-4.358E-02	10.96

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1876	Shell-Thick	SLE-QP	1.1586	5.6225	-4.358E-02	10.87
1876	Shell-Thick	SLE-QP	0.8378	3.9932	-0.13	10.87
1877	Shell-Thick	SLU-STATICA	2.2038	11.0726	-0.17	24.95
1877	Shell-Thick	SLU-STATICA	2.9095	14.8238	-3.910E-02	24.95
1877	Shell-Thick	SLU-STATICA	2.9405	14.5579	-3.910E-02	24.82
1877	Shell-Thick	SLU-STATICA	2.2041	10.8376	-0.17	24.82
1877	Shell-Thick	SLU-SISMICA	4.1025	20.6577	-0.21	41.48
1877	Shell-Thick	SLU-SISMICA	5.2861	26.8962	-3.387E-02	41.48
1877	Shell-Thick	SLU-SISMICA	5.3287	26.4641	-3.387E-02	41.30
1877	Shell-Thick	SLU-SISMICA	4.0970	20.2740	-0.21	41.30
1877	Shell-Thick	SLE-RARA	1.5753	7.9126	-0.13	18.08
1877	Shell-Thick	SLE-RARA	2.0862	10.6311	-2.989E-02	18.08
1877	Shell-Thick	SLE-RARA	2.1092	10.4379	-2.989E-02	17.99
1877	Shell-Thick	SLE-RARA	1.5758	7.7419	-0.13	17.99
1877	Shell-Thick	SLE-FREQ.	1.3804	6.9297	-0.12	16.28
1877	Shell-Thick	SLE-FREQ.	1.8395	9.3768	-2.958E-02	16.28
1877	Shell-Thick	SLE-FREQ.	1.8609	9.2021	-2.958E-02	16.19
1877	Shell-Thick	SLE-FREQ.	1.3814	6.7755	-0.12	16.19
1877	Shell-Thick	SLE-QP	0.7958	3.9813	-9.950E-02	10.86
1877	Shell-Thick	SLE-QP	1.0992	5.6141	-2.866E-02	10.86
1877	Shell-Thick	SLE-QP	1.1161	5.4946	-2.866E-02	10.79
1877	Shell-Thick	SLE-QP	0.7981	3.8763	-9.950E-02	10.79
1878	Shell-Thick	SLU-STATICA	2.0325	10.8043	-0.11	24.82
1878	Shell-Thick	SLU-STATICA	2.8624	14.5413	-1.346E-02	24.82
1878	Shell-Thick	SLU-STATICA	2.8906	14.2266	-1.346E-02	24.72
1878	Shell-Thick	SLU-STATICA	2.0234	10.5270	-0.11	24.72
1878	Shell-Thick	SLU-SISMICA	3.7998	20.2170	-0.14	41.30
1878	Shell-Thick	SLU-SISMICA	5.2099	26.4380	2.629E-03	41.30
1878	Shell-Thick	SLU-SISMICA	5.2508	25.9082	2.629E-03	41.16
1878	Shell-Thick	SLU-SISMICA	3.7791	19.7489	-0.14	41.16
1878	Shell-Thick	SLE-RARA	1.4520	7.7178	-8.477E-02	17.98
1878	Shell-Thick	SLE-RARA	2.0520	10.4258	-1.100E-02	17.98
1878	Shell-Thick	SLE-RARA	2.0727	10.1980	-1.100E-02	17.91
1878	Shell-Thick	SLE-RARA	1.4457	7.5172	-8.477E-02	17.91
1878	Shell-Thick	SLE-FREQ.	1.2710	6.7540	-8.077E-02	16.19
1878	Shell-Thick	SLE-FREQ.	1.8085	9.1910	-1.205E-02	16.19
1878	Shell-Thick	SLE-FREQ.	1.8277	8.9866	-1.205E-02	16.12
1878	Shell-Thick	SLE-FREQ.	1.2658	6.5740	-8.077E-02	16.12
1878	Shell-Thick	SLE-QP	0.7279	3.8625	-6.876E-02	10.79
1878	Shell-Thick	SLE-QP	1.0780	5.4868	-1.520E-02	10.79
1878	Shell-Thick	SLE-QP	1.0925	5.3522	-1.520E-02	10.74
1878	Shell-Thick	SLE-QP	0.7260	3.7444	-6.876E-02	10.74
1879	Shell-Thick	SLU-STATICA	1.8387	10.4785	-8.926E-02	24.70
1879	Shell-Thick	SLU-STATICA	2.6748	14.1949	1.063E-02	24.70
1879	Shell-Thick	SLU-STATICA	2.6961	13.9018	1.063E-02	24.60
1879	Shell-Thick	SLU-STATICA	1.8292	10.2163	-8.926E-02	24.60
1879	Shell-Thick	SLU-SISMICA	3.4484	19.6626	-0.11	41.14
1879	Shell-Thick	SLU-SISMICA	4.8735	25.8528	3.775E-02	41.14
1879	Shell-Thick	SLU-SISMICA	4.9053	25.3507	3.775E-02	40.98
1879	Shell-Thick	SLU-SISMICA	3.4282	19.2126	-0.11	40.98
1879	Shell-Thick	SLE-RARA	1.3130	7.4824	-6.636E-02	17.90
1879	Shell-Thick	SLE-RARA	1.9172	10.1752	6.701E-03	17.90
1879	Shell-Thick	SLE-RARA	1.9329	9.9635	6.701E-03	17.83
1879	Shell-Thick	SLE-RARA	1.3064	7.2931	-6.636E-02	17.83
1879	Shell-Thick	SLE-FREQ.	1.1484	6.5431	-6.261E-02	16.11
1879	Shell-Thick	SLE-FREQ.	1.6893	8.9663	4.307E-03	16.11
1879	Shell-Thick	SLE-FREQ.	1.7036	8.7770	4.307E-03	16.04
1879	Shell-Thick	SLE-FREQ.	1.1428	6.3739	-6.261E-02	16.04
1879	Shell-Thick	SLE-QP	0.6544	3.7254	-5.137E-02	10.73
1879	Shell-Thick	SLE-QP	1.0054	5.3394	-2.877E-03	10.73
1879	Shell-Thick	SLE-QP	1.0160	5.2173	-2.877E-03	10.68
1879	Shell-Thick	SLE-QP	0.6519	3.6165	-5.137E-02	10.68
1880	Shell-Thick	SLU-STATICA	1.2078	10.1224	-5.175E-02	24.64
1880	Shell-Thick	SLU-STATICA	2.5292	13.8381	5.567E-03	24.64
1880	Shell-Thick	SLU-STATICA	2.5542	13.4546	5.567E-03	24.58
1880	Shell-Thick	SLU-STATICA	1.1896	9.7822	-5.175E-02	24.58
1880	Shell-Thick	SLU-SISMICA	2.2861	19.0405	-6.788E-02	41.04
1880	Shell-Thick	SLU-SISMICA	4.6023	25.2338	2.074E-02	41.04
1880	Shell-Thick	SLU-SISMICA	4.6438	24.5668	2.074E-02	40.96

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1880	Shell-Thick	SLU-SISMICA	2.2516	18.4496	-6.788E-02	40.96
1880	Shell-Thick	SLE-RARA	0.8614	7.2258	-3.841E-02	17.85
1880	Shell-Thick	SLE-RARA	1.8132	9.9179	3.463E-03	17.85
1880	Shell-Thick	SLE-RARA	1.8313	9.6414	3.463E-03	17.81
1880	Shell-Thick	SLE-RARA	0.8485	6.9805	-3.841E-02	17.81
1880	Shell-Thick	SLE-FREQ.	0.7516	6.3147	-3.614E-02	16.06
1880	Shell-Thick	SLE-FREQ.	1.5981	8.7368	2.131E-03	16.06
1880	Shell-Thick	SLE-FREQ.	1.6145	8.4905	2.131E-03	16.02
1880	Shell-Thick	SLE-FREQ.	0.7403	6.0961	-3.614E-02	16.02
1880	Shell-Thick	SLE-QP	0.4220	3.5815	-2.932E-02	10.69
1880	Shell-Thick	SLE-QP	0.9529	5.1937	-1.865E-03	10.69
1880	Shell-Thick	SLE-QP	0.9638	5.0377	-1.865E-03	10.67
1880	Shell-Thick	SLE-QP	0.4157	3.4428	-2.932E-02	10.67
1881	Shell-Thick	SLU-STATICA	0.2014	9.5598	-7.743E-02	24.55
1881	Shell-Thick	SLU-STATICA	1.4427	13.2570	-0.15	24.55
1881	Shell-Thick	SLU-STATICA	1.4683	14.4264	-0.15	24.61
1881	Shell-Thick	SLU-STATICA	0.2068	10.7444	-7.743E-02	24.61
1881	Shell-Thick	SLU-SISMICA	0.4151	18.0409	-0.13	40.90
1881	Shell-Thick	SLU-SISMICA	2.6227	24.2041	-0.27	40.90
1881	Shell-Thick	SLU-SISMICA	2.6684	26.3496	-0.27	41.03
1881	Shell-Thick	SLU-SISMICA	0.4243	20.2139	-0.13	41.03
1881	Shell-Thick	SLE-RARA	0.1419	6.8213	-5.600E-02	17.79
1881	Shell-Thick	SLE-RARA	1.0344	9.4999	-0.11	17.79
1881	Shell-Thick	SLE-RARA	1.0528	10.3374	-0.11	17.83
1881	Shell-Thick	SLE-RARA	0.1459	7.6696	-5.600E-02	17.83
1881	Shell-Thick	SLE-FREQ.	0.1209	5.9561	-5.020E-02	16.00
1881	Shell-Thick	SLE-FREQ.	0.9119	8.3660	-9.490E-02	16.00
1881	Shell-Thick	SLE-FREQ.	0.9282	9.1026	-9.490E-02	16.04
1881	Shell-Thick	SLE-FREQ.	0.1244	6.7023	-5.020E-02	16.04
1881	Shell-Thick	SLE-QP	0.0577	3.3606	-3.283E-02	10.65
1881	Shell-Thick	SLE-QP	0.5445	4.9644	-5.731E-02	10.65
1881	Shell-Thick	SLE-QP	0.5545	5.3984	-5.731E-02	10.68
1881	Shell-Thick	SLE-QP	0.0600	3.8003	-3.283E-02	10.68
1882	Shell-Thick	SLU-STATICA	1.6623	-0.6471	22.26	-1.15
1882	Shell-Thick	SLU-STATICA	0.9471	1.1690	-0.81	-1.15
1882	Shell-Thick	SLU-STATICA	-0.3972	1.5807	-0.81	21.92
1882	Shell-Thick	SLU-STATICA	-0.2142	0.2795	22.26	21.92
1882	Shell-Thick	SLU-SISMICA	1.7104	-0.7778	24.46	-1.32
1882	Shell-Thick	SLU-SISMICA	0.9754	1.3150	-0.80	-1.32
1882	Shell-Thick	SLU-SISMICA	-0.3953	1.5855	-0.80	23.93
1882	Shell-Thick	SLU-SISMICA	-0.4710	0.2844	24.46	23.93
1882	Shell-Thick	SLE-RARA	1.2572	-0.4838	16.76	-0.86
1882	Shell-Thick	SLE-RARA	0.7163	0.8785	-0.61	-0.86
1882	Shell-Thick	SLE-RARA	-0.3010	1.1975	-0.61	16.51
1882	Shell-Thick	SLE-RARA	-0.1495	0.2115	16.76	16.51
1882	Shell-Thick	SLE-FREQ.	1.2222	-0.4612	16.17	-0.83
1882	Shell-Thick	SLE-FREQ.	0.6963	0.8449	-0.60	-0.83
1882	Shell-Thick	SLE-FREQ.	-0.2938	1.1676	-0.60	15.93
1882	Shell-Thick	SLE-FREQ.	-0.1248	0.2059	16.17	15.93
1882	Shell-Thick	SLE-QP	1.1174	-0.3932	14.38	-0.72
1882	Shell-Thick	SLE-QP	0.6363	0.7439	-0.56	-0.72
1882	Shell-Thick	SLE-QP	-0.2720	1.0778	-0.56	14.22
1882	Shell-Thick	SLE-QP	-0.0504	0.1890	14.38	14.22
1883	Shell-Thick	SLU-STATICA	1.4349	-0.8875	14.92	20.16
1883	Shell-Thick	SLU-STATICA	1.3663	3.4302	-0.78	20.16
1883	Shell-Thick	SLU-STATICA	0.4236	5.5193	-0.78	35.86
1883	Shell-Thick	SLU-STATICA	0.2546	1.4274	14.92	35.86
1883	Shell-Thick	SLU-SISMICA	1.7433	-1.0628	17.10	21.82
1883	Shell-Thick	SLU-SISMICA	1.4691	3.7485	-0.82	21.82
1883	Shell-Thick	SLU-SISMICA	0.4452	5.8226	-0.82	39.73
1883	Shell-Thick	SLU-SISMICA	0.3236	1.3937	17.10	39.73
1883	Shell-Thick	SLE-RARA	1.0719	-0.6638	11.20	15.19
1883	Shell-Thick	SLE-RARA	1.0302	2.5833	-0.59	15.19
1883	Shell-Thick	SLE-RARA	0.3199	4.1670	-0.59	26.98
1883	Shell-Thick	SLE-RARA	0.1895	1.0833	11.20	26.98
1883	Shell-Thick	SLE-FREQ.	1.0201	-0.6330	10.74	14.68
1883	Shell-Thick	SLE-FREQ.	0.9963	2.4935	-0.57	14.68
1883	Shell-Thick	SLE-FREQ.	0.3102	4.0394	-0.57	25.99
1883	Shell-Thick	SLE-FREQ.	0.1791	1.0594	10.74	25.99

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1883	Shell-Thick	SLE-QP	0.8648	-0.5407	9.38	13.15
1883	Shell-Thick	SLE-QP	0.8948	2.2239	-0.52	13.15
1883	Shell-Thick	SLE-QP	0.2813	3.6564	-0.52	23.04
1883	Shell-Thick	SLE-QP	0.1481	0.9876	9.38	23.04
1884	Shell-Thick	SLU-STATICA	1.5893	0.6437	10.98	34.62
1884	Shell-Thick	SLU-STATICA	2.0286	6.8910	-0.74	34.62
1884	Shell-Thick	SLU-STATICA	1.4343	10.4239	-0.74	46.34
1884	Shell-Thick	SLU-STATICA	0.6465	4.5163	10.98	46.34
1884	Shell-Thick	SLU-SISMICA	2.0587	0.4319	13.00	38.18
1884	Shell-Thick	SLU-SISMICA	2.2132	7.4850	-0.81	38.18
1884	Shell-Thick	SLU-SISMICA	1.5876	11.5189	-0.81	51.99
1884	Shell-Thick	SLU-SISMICA	0.8544	5.0343	13.00	51.99
1884	Shell-Thick	SLE-RARA	1.1809	0.4983	8.22	26.06
1884	Shell-Thick	SLE-RARA	1.5280	5.1920	-0.56	26.06
1884	Shell-Thick	SLE-RARA	1.0792	7.8440	-0.56	34.83
1884	Shell-Thick	SLE-RARA	0.4795	3.3963	8.22	34.83
1884	Shell-Thick	SLE-FREQ.	1.1132	0.5034	7.85	25.12
1884	Shell-Thick	SLE-FREQ.	1.4751	5.0151	-0.54	25.12
1884	Shell-Thick	SLE-FREQ.	1.0400	7.5606	-0.54	33.51
1884	Shell-Thick	SLE-FREQ.	0.4506	3.2700	7.85	33.51
1884	Shell-Thick	SLE-QP	0.9101	0.5188	6.75	22.32
1884	Shell-Thick	SLE-QP	1.3166	4.4847	-0.48	22.32
1884	Shell-Thick	SLE-QP	0.9224	6.7104	-0.48	29.54
1884	Shell-Thick	SLE-QP	0.3639	2.8911	6.75	29.54
1885	Shell-Thick	SLU-STATICA	1.7707	3.9773	8.41	45.45
1885	Shell-Thick	SLU-STATICA	3.0212	11.5050	-0.83	45.45
1885	Shell-Thick	SLU-STATICA	2.4671	15.9364	-0.83	54.69
1885	Shell-Thick	SLU-STATICA	1.1872	8.4314	8.41	54.69
1885	Shell-Thick	SLU-SISMICA	2.2462	4.3370	10.28	50.84
1885	Shell-Thick	SLU-SISMICA	3.4411	12.8653	-1.00	50.84
1885	Shell-Thick	SLU-SISMICA	2.7976	18.3281	-1.00	62.12
1885	Shell-Thick	SLU-SISMICA	1.4960	9.8980	10.28	62.12
1885	Shell-Thick	SLE-RARA	1.3181	2.9958	6.28	34.17
1885	Shell-Thick	SLE-RARA	2.2683	8.6500	-0.62	34.17
1885	Shell-Thick	SLE-RARA	1.8530	11.9564	-0.62	41.07
1885	Shell-Thick	SLE-RARA	0.8842	6.3157	6.28	41.07
1885	Shell-Thick	SLE-FREQ.	1.2465	2.8924	5.97	32.88
1885	Shell-Thick	SLE-FREQ.	2.1779	8.3249	-0.59	32.88
1885	Shell-Thick	SLE-FREQ.	1.7801	11.4651	-0.59	39.45
1885	Shell-Thick	SLE-FREQ.	0.8370	6.0394	5.97	39.45
1885	Shell-Thick	SLE-QP	1.0318	2.5822	5.04	29.03
1885	Shell-Thick	SLE-QP	1.9066	7.3498	-0.51	29.03
1885	Shell-Thick	SLE-QP	1.5616	9.9911	-0.51	34.58
1885	Shell-Thick	SLE-QP	0.6954	5.2107	5.04	34.58
1886	Shell-Thick	SLU-STATICA	2.7071	8.1387	6.38	53.99
1886	Shell-Thick	SLU-STATICA	4.0464	16.8489	-0.78	53.99
1886	Shell-Thick	SLU-STATICA	3.6955	21.8606	-0.78	61.15
1886	Shell-Thick	SLU-STATICA	2.2167	13.2846	6.38	61.15
1886	Shell-Thick	SLU-SISMICA	3.5192	9.5140	8.04	61.20
1886	Shell-Thick	SLU-SISMICA	4.7540	19.5081	-0.98	61.20
1886	Shell-Thick	SLU-SISMICA	4.3570	26.0467	-0.98	70.22
1886	Shell-Thick	SLU-SISMICA	2.8559	16.3122	8.04	70.22
1886	Shell-Thick	SLE-RARA	2.0108	6.0985	4.75	40.55
1886	Shell-Thick	SLE-RARA	3.0308	12.6345	-0.58	40.55
1886	Shell-Thick	SLE-RARA	2.7673	16.3560	-0.58	45.89
1886	Shell-Thick	SLE-RARA	1.6478	9.9153	4.75	45.89
1886	Shell-Thick	SLE-FREQ.	1.8945	5.8351	4.50	38.96
1886	Shell-Thick	SLE-FREQ.	2.8980	12.1045	-0.55	38.96
1886	Shell-Thick	SLE-FREQ.	2.6447	15.6087	-0.55	44.01
1886	Shell-Thick	SLE-FREQ.	1.5547	9.4221	4.50	44.01
1886	Shell-Thick	SLE-QP	1.5456	5.0449	3.74	34.18
1886	Shell-Thick	SLE-QP	2.4993	10.5144	-0.46	34.18
1886	Shell-Thick	SLE-QP	2.2769	13.3669	-0.46	38.38
1886	Shell-Thick	SLE-QP	1.2752	7.9422	3.74	38.38
1887	Shell-Thick	SLU-STATICA	3.0904	13.0783	4.80	60.71
1887	Shell-Thick	SLU-STATICA	5.2143	22.5453	-0.82	60.71
1887	Shell-Thick	SLU-STATICA	4.8483	27.7677	-0.82	66.33
1887	Shell-Thick	SLU-STATICA	2.8590	18.1619	4.80	66.33
1887	Shell-Thick	SLU-SISMICA	3.9680	16.0247	6.31	69.62

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1887	Shell-Thick	SLU-SISMICA	6.3354	26.9523	-1.10	69.62
1887	Shell-Thick	SLU-SISMICA	5.8672	34.0603	-1.10	77.03
1887	Shell-Thick	SLU-SISMICA	3.6546	22.9723	6.31	77.03
1887	Shell-Thick	SLE-RARA	2.2979	9.7631	3.56	45.56
1887	Shell-Thick	SLE-RARA	3.8952	16.8638	-0.61	45.56
1887	Shell-Thick	SLE-RARA	3.6229	20.7271	-0.61	49.73
1887	Shell-Thick	SLE-RARA	2.1267	13.5222	3.56	49.73
1887	Shell-Thick	SLE-FREQ.	2.1692	9.2803	3.35	43.70
1887	Shell-Thick	SLE-FREQ.	3.7071	16.0858	-0.57	43.70
1887	Shell-Thick	SLE-FREQ.	3.4499	19.6989	-0.57	47.63
1887	Shell-Thick	SLE-FREQ.	2.0089	12.7935	3.35	47.63
1887	Shell-Thick	SLE-QP	1.7828	7.8317	2.72	38.14
1887	Shell-Thick	SLE-QP	3.1426	13.7520	-0.46	38.14
1887	Shell-Thick	SLE-QP	2.9307	16.6144	-0.46	41.31
1887	Shell-Thick	SLE-QP	1.6554	10.6073	2.72	41.31
1888	Shell-Thick	SLU-STATICA	4.3476	18.1527	3.47	65.98
1888	Shell-Thick	SLU-STATICA	6.2978	28.3645	-0.72	65.98
1888	Shell-Thick	SLU-STATICA	6.0850	33.5494	-0.72	70.17
1888	Shell-Thick	SLU-STATICA	4.1488	23.3206	3.47	70.17
1888	Shell-Thick	SLU-SISMICA	5.7458	22.9598	4.78	76.53
1888	Shell-Thick	SLU-SISMICA	7.8473	34.8870	-1.01	76.53
1888	Shell-Thick	SLU-SISMICA	7.5692	42.1957	-1.01	82.32
1888	Shell-Thick	SLU-SISMICA	5.4571	30.2748	4.78	82.32
1888	Shell-Thick	SLE-RARA	3.2247	13.5155	2.56	49.47
1888	Shell-Thick	SLE-RARA	4.6948	21.1678	-0.53	49.47
1888	Shell-Thick	SLE-RARA	4.5369	24.9908	-0.53	52.57
1888	Shell-Thick	SLE-RARA	3.0785	17.3244	2.56	52.57
1888	Shell-Thick	SLE-FREQ.	3.0303	12.7872	2.39	47.39
1888	Shell-Thick	SLE-FREQ.	4.4517	20.1099	-0.50	47.39
1888	Shell-Thick	SLE-FREQ.	4.3030	23.6641	-0.50	50.27
1888	Shell-Thick	SLE-FREQ.	2.8951	16.3257	2.39	50.27
1888	Shell-Thick	SLE-QP	2.4470	10.6024	1.87	41.13
1888	Shell-Thick	SLE-QP	3.7225	16.9361	-0.39	41.13
1888	Shell-Thick	SLE-QP	3.6015	19.6839	-0.39	43.39
1888	Shell-Thick	SLE-QP	2.3449	13.3298	1.87	43.39
1889	Shell-Thick	SLU-STATICA	4.7692	23.3104	2.46	70.03
1889	Shell-Thick	SLU-STATICA	7.4054	33.9478	-0.72	70.03
1889	Shell-Thick	SLU-STATICA	7.1618	38.8882	-0.72	73.21
1889	Shell-Thick	SLU-STATICA	4.7514	28.0225	2.46	73.21
1889	Shell-Thick	SLU-SISMICA	6.3076	30.2508	3.64	82.11
1889	Shell-Thick	SLU-SISMICA	9.4490	42.7658	-1.05	82.11
1889	Shell-Thick	SLU-SISMICA	9.0933	49.9457	-1.05	86.79
1889	Shell-Thick	SLU-SISMICA	6.2748	37.1044	3.64	86.79
1889	Shell-Thick	SLE-RARA	3.5371	17.3173	1.81	52.46
1889	Shell-Thick	SLE-RARA	5.5095	25.2841	-0.53	52.46
1889	Shell-Thick	SLE-RARA	5.3305	28.9160	-0.53	54.80
1889	Shell-Thick	SLE-RARA	3.5244	20.7812	1.81	54.80
1889	Shell-Thick	SLE-FREQ.	3.3235	16.3200	1.67	50.17
1889	Shell-Thick	SLE-FREQ.	5.2057	23.9360	-0.49	50.17
1889	Shell-Thick	SLE-FREQ.	5.0404	27.2944	-0.49	52.33
1889	Shell-Thick	SLE-FREQ.	3.3123	19.5225	1.67	52.33
1889	Shell-Thick	SLE-QP	2.6825	13.3280	1.24	43.31
1889	Shell-Thick	SLE-QP	4.2944	19.8919	-0.37	43.31
1889	Shell-Thick	SLE-QP	4.1699	22.4294	-0.37	44.93
1889	Shell-Thick	SLE-QP	2.6761	15.7463	1.24	44.93
1890	Shell-Thick	SLU-STATICA	6.0614	28.1635	1.61	73.08
1890	Shell-Thick	SLU-STATICA	8.3670	39.2502	-0.60	73.08
1890	Shell-Thick	SLU-STATICA	8.2415	43.7922	-0.60	75.29
1890	Shell-Thick	SLU-STATICA	6.0352	32.6046	1.61	75.29
1890	Shell-Thick	SLU-SISMICA	8.2042	37.3021	2.64	86.59
1890	Shell-Thick	SLU-SISMICA	10.8797	50.4912	-0.91	86.59
1890	Shell-Thick	SLU-SISMICA	10.6749	57.2821	-0.91	90.14
1890	Shell-Thick	SLU-SISMICA	8.1499	43.9398	2.64	90.14
1890	Shell-Thick	SLE-RARA	4.4862	20.8852	1.17	54.70
1890	Shell-Thick	SLE-RARA	6.2147	29.1812	-0.44	54.70
1890	Shell-Thick	SLE-RARA	6.1237	32.5108	-0.44	56.31
1890	Shell-Thick	SLE-RARA	4.4677	24.1410	1.17	56.31
1890	Shell-Thick	SLE-FREQ.	4.1995	19.6192	1.06	52.24
1890	Shell-Thick	SLE-FREQ.	5.8550	27.5380	-0.40	52.24

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1890	Shell-Thick	SLE-FREQ.	5.7727	30.6007	-0.40	53.70
1890	Shell-Thick	SLE-FREQ.	4.1837	22.6142	1.06	53.70
1890	Shell-Thick	SLE-QP	3.3393	15.8213	0.72	44.87
1890	Shell-Thick	SLE-QP	4.7758	22.6082	-0.30	44.87
1890	Shell-Thick	SLE-QP	4.7198	24.8701	-0.30	45.88
1890	Shell-Thick	SLE-QP	3.3319	18.0340	0.72	45.88
1891	Shell-Thick	SLU-STATICA	6.4283	32.6939	0.97	75.32
1891	Shell-Thick	SLU-STATICA	9.2845	43.9902	-0.57	75.32
1891	Shell-Thick	SLU-STATICA	9.1288	48.0761	-0.57	76.86
1891	Shell-Thick	SLU-STATICA	6.5243	36.5269	0.97	76.86
1891	Shell-Thick	SLU-SISMICA	8.7514	44.0598	1.88	90.16
1891	Shell-Thick	SLU-SISMICA	12.2848	57.6044	-0.90	90.16
1891	Shell-Thick	SLU-SISMICA	12.0134	63.8866	-0.90	92.94
1891	Shell-Thick	SLU-SISMICA	8.8751	49.9448	1.88	92.94
1891	Shell-Thick	SLE-RARA	4.7552	24.2071	0.69	56.33
1891	Shell-Thick	SLE-RARA	6.8857	32.6546	-0.42	56.33
1891	Shell-Thick	SLE-RARA	6.7735	35.6413	-0.42	57.44
1891	Shell-Thick	SLE-RARA	4.8266	27.0092	0.69	57.44
1891	Shell-Thick	SLE-FREQ.	4.4471	22.6762	0.60	53.72
1891	Shell-Thick	SLE-FREQ.	6.4694	30.7307	-0.38	53.72
1891	Shell-Thick	SLE-FREQ.	6.3694	33.4632	-0.38	54.70
1891	Shell-Thick	SLE-FREQ.	4.5144	25.2406	0.60	54.70
1891	Shell-Thick	SLE-QP	3.5226	18.0835	0.32	45.90
1891	Shell-Thick	SLE-QP	5.2204	24.9588	-0.27	45.90
1891	Shell-Thick	SLE-QP	5.1572	26.9289	-0.27	46.49
1891	Shell-Thick	SLE-QP	3.5778	19.9347	0.32	46.49
1892	Shell-Thick	SLU-STATICA	7.5760	36.7274	0.43	76.86
1892	Shell-Thick	SLU-STATICA	10.0409	48.2683	-0.45	76.86
1892	Shell-Thick	SLU-STATICA	9.9783	51.8274	-0.45	77.75
1892	Shell-Thick	SLU-STATICA	7.6414	40.1577	0.43	77.75
1892	Shell-Thick	SLU-SISMICA	10.4912	50.2319	1.24	92.91
1892	Shell-Thick	SLU-SISMICA	13.4813	64.2163	-0.75	92.91
1892	Shell-Thick	SLU-SISMICA	13.3321	69.8504	-0.75	94.90
1892	Shell-Thick	SLU-SISMICA	10.5670	55.6396	1.24	94.90
1892	Shell-Thick	SLE-RARA	5.5953	27.1569	0.29	57.44
1892	Shell-Thick	SLE-RARA	7.4369	35.7801	-0.33	57.44
1892	Shell-Thick	SLE-RARA	7.3938	38.3735	-0.33	58.06
1892	Shell-Thick	SLE-RARA	5.6444	29.6576	0.29	58.06
1892	Shell-Thick	SLE-FREQ.	5.2178	25.3775	0.22	54.70
1892	Shell-Thick	SLE-FREQ.	6.9708	33.5873	-0.30	54.70
1892	Shell-Thick	SLE-FREQ.	6.9359	35.9462	-0.30	55.22
1892	Shell-Thick	SLE-FREQ.	5.2648	27.6541	0.22	55.22
1892	Shell-Thick	SLE-QP	4.0852	20.0393	-3.530E-03	46.50
1892	Shell-Thick	SLE-QP	5.5725	27.0089	-0.20	46.50
1892	Shell-Thick	SLE-QP	5.5621	28.6644	-0.20	46.69
1892	Shell-Thick	SLE-QP	4.1260	21.6434	-3.530E-03	46.69
1893	Shell-Thick	SLU-STATICA	7.8464	40.2854	3.189E-02	77.86
1893	Shell-Thick	SLU-STATICA	10.7290	51.8908	-0.41	77.86
1893	Shell-Thick	SLU-STATICA	10.6412	54.9600	-0.41	78.31
1893	Shell-Thick	SLU-STATICA	7.9916	43.1211	3.189E-02	78.31
1893	Shell-Thick	SLU-SISMICA	10.9449	55.8201	0.75	95.04
1893	Shell-Thick	SLU-SISMICA	14.6011	69.9992	-0.71	95.04
1893	Shell-Thick	SLU-SISMICA	14.4005	75.0090	-0.71	96.50
1893	Shell-Thick	SLU-SISMICA	11.1396	60.4334	0.75	96.50
1893	Shell-Thick	SLE-RARA	5.7911	29.7517	-1.158E-02	58.14
1893	Shell-Thick	SLE-RARA	7.9368	38.4173	-0.30	58.14
1893	Shell-Thick	SLE-RARA	7.8759	40.6463	-0.30	58.43
1893	Shell-Thick	SLE-RARA	5.8987	31.8119	-1.158E-02	58.43
1893	Shell-Thick	SLE-FREQ.	5.3937	27.7415	-7.024E-02	55.30
1893	Shell-Thick	SLE-FREQ.	7.4229	35.9820	-0.27	55.30
1893	Shell-Thick	SLE-FREQ.	7.3728	37.9965	-0.27	55.49
1893	Shell-Thick	SLE-FREQ.	5.4946	29.6048	-7.024E-02	55.49
1893	Shell-Thick	SLE-QP	4.2014	21.7109	-0.25	46.76
1893	Shell-Thick	SLE-QP	5.8812	28.6759	-0.17	46.76
1893	Shell-Thick	SLE-QP	5.8634	30.0471	-0.17	46.69
1893	Shell-Thick	SLE-QP	4.2821	22.9835	-0.25	46.69
1894	Shell-Thick	SLU-STATICA	8.7715	43.3277	-0.29	78.38
1894	Shell-Thick	SLU-STATICA	11.2703	55.0353	-0.31	78.38
1894	Shell-Thick	SLU-STATICA	11.2556	57.5938	-0.31	78.39



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1894	Shell-Thick	SLU-STATICA	8.8765	45.7665	-0.29	78.39
1894	Shell-Thick	SLU-SISMICA	12.3919	60.7340	0.34	96.58
1894	Shell-Thick	SLU-SISMICA	15.5197	75.1826	-0.57	96.58
1894	Shell-Thick	SLU-SISMICA	15.4183	79.5074	-0.57	97.49
1894	Shell-Thick	SLU-SISMICA	12.5270	64.8216	0.34	97.49
1894	Shell-Thick	SLE-RARA	6.4661	31.9637	-0.25	58.48
1894	Shell-Thick	SLE-RARA	8.3282	40.6984	-0.22	58.48
1894	Shell-Thick	SLE-RARA	8.3213	42.5491	-0.22	58.45
1894	Shell-Thick	SLE-RARA	6.5442	33.7295	-0.25	58.45
1894	Shell-Thick	SLE-FREQ.	6.0092	29.7451	-0.30	55.54
1894	Shell-Thick	SLE-FREQ.	7.7736	38.0393	-0.19	55.54
1894	Shell-Thick	SLE-FREQ.	7.7741	39.6992	-0.19	55.44
1894	Shell-Thick	SLE-FREQ.	6.0828	31.3319	-0.30	55.44
1894	Shell-Thick	SLE-QP	4.6383	23.0894	-0.44	46.73
1894	Shell-Thick	SLE-QP	6.1099	30.0617	-0.11	46.73
1894	Shell-Thick	SLE-QP	6.1323	31.1493	-0.11	46.41
1894	Shell-Thick	SLE-QP	4.6988	24.1391	-0.44	46.41
1895	Shell-Thick	SLU-STATICA	8.9407	45.8971	-0.53	78.54
1895	Shell-Thick	SLU-STATICA	11.7450	57.5739	-0.27	78.54
1895	Shell-Thick	SLU-STATICA	11.7097	59.6995	-0.27	78.29
1895	Shell-Thick	SLU-STATICA	9.0958	47.8325	-0.53	78.29
1895	Shell-Thick	SLU-SISMICA	12.7244	65.0118	4.437E-02	97.68
1895	Shell-Thick	SLU-SISMICA	16.3514	79.5434	-0.52	97.68
1895	Shell-Thick	SLU-SISMICA	16.2118	83.2728	-0.52	98.25
1895	Shell-Thick	SLU-SISMICA	12.9361	68.3894	4.437E-02	98.25
1895	Shell-Thick	SLE-RARA	6.5862	33.8256	-0.43	58.56
1895	Shell-Thick	SLE-RARA	8.6701	42.5312	-0.19	58.56
1895	Shell-Thick	SLE-RARA	8.6486	44.0620	-0.19	58.33
1895	Shell-Thick	SLE-RARA	6.7009	35.2202	-0.43	58.33
1895	Shell-Thick	SLE-FREQ.	6.1129	31.4207	-0.46	55.54
1895	Shell-Thick	SLE-FREQ.	8.0778	39.6771	-0.17	55.54
1895	Shell-Thick	SLE-FREQ.	8.0653	41.0383	-0.17	55.25
1895	Shell-Thick	SLE-FREQ.	6.2201	32.6625	-0.46	55.25
1895	Shell-Thick	SLE-QP	4.6929	24.2061	-0.57	46.49
1895	Shell-Thick	SLE-QP	6.3008	31.1148	-9.248E-02	46.49
1895	Shell-Thick	SLE-QP	6.3156	31.9673	-9.248E-02	46.01
1895	Shell-Thick	SLE-QP	4.7776	24.9891	-0.57	46.01
1896	Shell-Thick	SLU-STATICA	9.6369	48.0170	-0.69	78.39
1896	Shell-Thick	SLU-STATICA	12.0994	59.7012	-0.19	78.39
1896	Shell-Thick	SLU-STATICA	12.1201	61.3963	-0.19	77.88
1896	Shell-Thick	SLU-STATICA	9.7487	49.6214	-0.69	77.88
1896	Shell-Thick	SLU-SISMICA	13.8488	68.6621	-0.19	98.38
1896	Shell-Thick	SLU-SISMICA	17.0097	83.3422	-0.40	98.38
1896	Shell-Thick	SLU-SISMICA	16.9498	86.4553	-0.40	98.59
1896	Shell-Thick	SLU-SISMICA	13.9978	71.5660	-0.19	98.59
1896	Shell-Thick	SLE-RARA	7.0924	35.3556	-0.55	58.40
1896	Shell-Thick	SLE-RARA	8.9235	44.0599	-0.13	58.40
1896	Shell-Thick	SLE-RARA	8.9432	45.2737	-0.13	57.98
1896	Shell-Thick	SLE-RARA	7.1752	36.5066	-0.55	57.98
1896	Shell-Thick	SLE-FREQ.	6.5714	32.7872	-0.58	55.32
1896	Shell-Thick	SLE-FREQ.	8.2999	41.0307	-0.11	55.32
1896	Shell-Thick	SLE-FREQ.	8.3258	42.0980	-0.11	54.85
1896	Shell-Thick	SLE-FREQ.	6.6491	33.8031	-0.58	54.85
1896	Shell-Thick	SLE-QP	5.0084	25.0821	-0.66	46.07
1896	Shell-Thick	SLE-QP	6.4293	31.9432	-4.766E-02	46.07
1896	Shell-Thick	SLE-QP	6.4736	32.5712	-4.766E-02	45.45
1896	Shell-Thick	SLE-QP	5.0708	25.6924	-0.66	45.45
1897	Shell-Thick	SLU-STATICA	9.7211	49.7355	-0.79	78.02
1897	Shell-Thick	SLU-STATICA	12.4005	61.3327	-0.16	78.02
1897	Shell-Thick	SLU-STATICA	12.4027	62.6835	-0.16	77.39
1897	Shell-Thick	SLU-STATICA	9.8615	50.9485	-0.79	77.39
1897	Shell-Thick	SLU-SISMICA	14.0655	71.7367	-0.35	98.79
1897	Shell-Thick	SLU-SISMICA	17.5901	86.4262	-0.36	98.79
1897	Shell-Thick	SLU-SISMICA	17.5011	89.0299	-0.36	98.80
1897	Shell-Thick	SLU-SISMICA	14.2609	74.0559	-0.35	98.80
1897	Shell-Thick	SLE-RARA	7.1496	36.5902	-0.62	58.09
1897	Shell-Thick	SLE-RARA	9.1378	45.2238	-0.11	58.09
1897	Shell-Thick	SLE-RARA	9.1440	46.1849	-0.11	57.58
1897	Shell-Thick	SLE-RARA	7.2532	37.4543	-0.62	57.58

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1897	Shell-Thick	SLE-FREQ.	6.6162	33.8800	-0.64	54.95
1897	Shell-Thick	SLE-FREQ.	8.4860	42.0466	-9.158E-02	54.95
1897	Shell-Thick	SLE-FREQ.	8.4996	42.8810	-9.158E-02	54.40
1897	Shell-Thick	SLE-FREQ.	6.7129	34.6318	-0.64	54.40
1897	Shell-Thick	SLE-QP	5.0163	25.7492	-0.71	45.53
1897	Shell-Thick	SLE-QP	6.5306	32.5149	-3.333E-02	45.53
1897	Shell-Thick	SLE-QP	6.5662	32.9693	-3.333E-02	44.86
1897	Shell-Thick	SLE-QP	5.0917	26.1645	-0.71	44.86
1898	Shell-Thick	SLU-STATICA	10.2149	51.0959	-0.82	77.49
1898	Shell-Thick	SLU-STATICA	12.6103	62.6483	-9.520E-02	77.49
1898	Shell-Thick	SLU-STATICA	12.6520	63.6634	-9.520E-02	76.77
1898	Shell-Thick	SLU-STATICA	10.3102	52.0580	-0.82	76.77
1898	Shell-Thick	SLU-SISMICA	14.8897	74.2789	-0.43	98.93
1898	Shell-Thick	SLU-SISMICA	18.0303	89.0384	-0.26	98.93
1898	Shell-Thick	SLU-SISMICA	18.0025	91.1257	-0.26	98.76
1898	Shell-Thick	SLU-SISMICA	15.0220	76.2062	-0.43	98.76
1898	Shell-Thick	SLE-RARA	7.5072	37.5622	-0.64	57.65
1898	Shell-Thick	SLE-RARA	9.2853	46.1560	-6.376E-02	57.65
1898	Shell-Thick	SLE-RARA	9.3203	46.8718	-6.376E-02	57.07
1898	Shell-Thick	SLE-RARA	7.5776	38.2431	-0.64	57.07
1898	Shell-Thick	SLE-FREQ.	6.9380	34.7309	-0.65	54.46
1898	Shell-Thick	SLE-FREQ.	8.6109	42.8493	-4.838E-02	54.46
1898	Shell-Thick	SLE-FREQ.	8.6508	43.4593	-4.838E-02	53.86
1898	Shell-Thick	SLE-FREQ.	7.0036	35.3157	-0.65	53.86
1898	Shell-Thick	SLE-QP	5.2301	26.2369	-0.70	44.91
1898	Shell-Thick	SLE-QP	6.5878	32.9289	-2.233E-03	44.91
1898	Shell-Thick	SLE-QP	6.6423	33.2216	-2.233E-03	44.21
1898	Shell-Thick	SLE-QP	5.2814	26.5333	-0.70	44.21
1899	Shell-Thick	SLU-STATICA	10.2170	52.1355	-0.76	76.88
1899	Shell-Thick	SLU-STATICA	12.7864	63.5941	-7.166E-02	76.88
1899	Shell-Thick	SLU-STATICA	12.7864	64.2696	-7.166E-02	76.28
1899	Shell-Thick	SLU-STATICA	10.3259	52.7382	-0.76	76.28
1899	Shell-Thick	SLU-SISMICA	14.9695	76.3282	-0.43	98.93
1899	Shell-Thick	SLU-SISMICA	18.4074	91.0742	-0.20	98.93
1899	Shell-Thick	SLU-SISMICA	18.3187	92.5563	-0.20	98.73
1899	Shell-Thick	SLU-SISMICA	15.1419	77.6347	-0.43	98.73
1899	Shell-Thick	SLE-RARA	7.5050	38.2997	-0.59	57.16
1899	Shell-Thick	SLE-RARA	9.4086	46.8184	-4.776E-02	57.16
1899	Shell-Thick	SLE-RARA	9.4131	47.2901	-4.776E-02	56.69
1899	Shell-Thick	SLE-RARA	7.5843	38.7212	-0.59	56.69
1899	Shell-Thick	SLE-FREQ.	6.9294	35.3672	-0.60	53.94
1899	Shell-Thick	SLE-FREQ.	8.7147	43.4057	-3.579E-02	53.94
1899	Shell-Thick	SLE-FREQ.	8.7263	43.7995	-3.579E-02	53.44
1899	Shell-Thick	SLE-FREQ.	7.0016	35.7205	-0.60	53.44
1899	Shell-Thick	SLE-QP	5.2026	26.5697	-0.64	44.27
1899	Shell-Thick	SLE-QP	6.6330	33.1676	9.553E-05	44.27
1899	Shell-Thick	SLE-QP	6.6661	33.3277	9.553E-05	43.72
1899	Shell-Thick	SLE-QP	5.2532	26.7183	-0.64	43.72
1900	Shell-Thick	SLU-STATICA	10.5625	52.8273	-0.64	76.34
1900	Shell-Thick	SLU-STATICA	12.8761	64.2458	-2.315E-02	76.34
1900	Shell-Thick	SLU-STATICA	12.9040	64.6550	-2.315E-02	75.88
1900	Shell-Thick	SLU-STATICA	10.6077	53.2303	-0.64	75.88
1900	Shell-Thick	SLU-SISMICA	15.5413	77.7746	-0.39	98.81
1900	Shell-Thick	SLU-SISMICA	18.6333	92.5591	-0.11	98.81
1900	Shell-Thick	SLU-SISMICA	18.5858	93.5363	-0.11	98.60
1900	Shell-Thick	SLU-SISMICA	15.6428	78.6962	-0.39	98.60
1900	Shell-Thick	SLE-RARA	7.7555	38.7862	-0.50	56.72
1900	Shell-Thick	SLE-RARA	9.4699	47.2707	-1.341E-02	56.72
1900	Shell-Thick	SLE-RARA	9.4948	47.5525	-1.341E-02	56.37
1900	Shell-Thick	SLE-RARA	7.7870	39.0658	-0.50	56.37
1900	Shell-Thick	SLE-FREQ.	7.1551	35.7797	-0.51	53.48
1900	Shell-Thick	SLE-FREQ.	8.7633	43.7784	-6.281E-03	53.48
1900	Shell-Thick	SLE-FREQ.	8.7937	44.0066	-6.281E-03	53.11
1900	Shell-Thick	SLE-FREQ.	7.1812	36.0098	-0.51	53.11
1900	Shell-Thick	SLE-QP	5.3540	26.7602	-0.54	43.74
1900	Shell-Thick	SLE-QP	6.6434	33.3014	1.512E-02	43.74
1900	Shell-Thick	SLE-QP	6.6906	33.3687	1.512E-02	43.34
1900	Shell-Thick	SLE-QP	5.3638	26.8417	-0.54	43.34
1901	Shell-Thick	SLU-STATICA	10.4695	53.2580	-0.57	75.95



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1901	Shell-Thick	SLU-STATICA	12.9569	64.6103	-3.133E-02	75.95
1901	Shell-Thick	SLU-STATICA	12.9481	64.9149	-3.133E-02	75.55
1901	Shell-Thick	SLU-STATICA	10.5446	53.5315	-0.57	75.55
1901	Shell-Thick	SLU-SISMICA	15.4673	78.7467	-0.37	98.71
1901	Shell-Thick	SLU-SISMICA	18.8288	93.4993	-0.11	98.71
1901	Shell-Thick	SLU-SISMICA	18.7305	94.2973	-0.11	98.52
1901	Shell-Thick	SLU-SISMICA	15.6184	79.4519	-0.37	98.52
1901	Shell-Thick	SLE-RARA	7.6842	39.0856	-0.44	56.42
1901	Shell-Thick	SLE-RARA	9.5254	47.5182	-1.959E-02	56.42
1901	Shell-Thick	SLE-RARA	9.5232	47.7244	-1.959E-02	56.11
1901	Shell-Thick	SLE-RARA	7.7373	39.2714	-0.44	56.11
1901	Shell-Thick	SLE-FREQ.	7.0840	36.0272	-0.45	53.15
1901	Shell-Thick	SLE-FREQ.	8.8080	43.9725	-1.227E-02	53.15
1901	Shell-Thick	SLE-FREQ.	8.8131	44.1331	-1.227E-02	52.83
1901	Shell-Thick	SLE-FREQ.	7.1295	36.1729	-0.45	52.83
1901	Shell-Thick	SLE-QP	5.2834	26.8521	-0.47	43.37
1901	Shell-Thick	SLE-QP	6.6557	33.3353	9.691E-03	43.37
1901	Shell-Thick	SLE-QP	6.6831	33.3589	9.691E-03	43.02
1901	Shell-Thick	SLE-QP	5.3063	26.8776	-0.47	43.02
1902	Shell-Thick	SLU-STATICA	10.6679	53.5824	-0.54	75.58
1902	Shell-Thick	SLU-STATICA	12.9797	64.8950	-3.739E-04	75.58
1902	Shell-Thick	SLU-STATICA	13.0258	65.1322	-3.739E-04	75.05
1902	Shell-Thick	SLU-STATICA	10.7027	53.8314	-0.54	75.05
1902	Shell-Thick	SLU-SISMICA	15.8418	79.5436	-0.38	98.58
1902	Shell-Thick	SLU-SISMICA	18.9357	94.2913	-9.171E-02	98.58
1902	Shell-Thick	SLU-SISMICA	18.9401	95.0877	-9.171E-02	98.30
1902	Shell-Thick	SLU-SISMICA	15.9079	80.2786	-0.38	98.30
1902	Shell-Thick	SLE-RARA	7.8257	39.3079	-0.42	56.13
1902	Shell-Thick	SLE-RARA	9.5384	47.7087	4.267E-03	56.13
1902	Shell-Thick	SLE-RARA	9.5754	47.8606	4.267E-03	55.71
1902	Shell-Thick	SLE-RARA	7.8505	39.4723	-0.42	55.71
1902	Shell-Thick	SLE-FREQ.	7.2076	36.2052	-0.42	52.85
1902	Shell-Thick	SLE-FREQ.	8.8138	44.1166	1.167E-02	52.85
1902	Shell-Thick	SLE-FREQ.	8.8533	44.2188	1.167E-02	52.42
1902	Shell-Thick	SLE-FREQ.	7.2291	36.3256	-0.42	52.42
1902	Shell-Thick	SLE-QP	5.3532	26.8971	-0.43	43.03
1902	Shell-Thick	SLE-QP	6.6398	33.3402	3.387E-02	43.03
1902	Shell-Thick	SLE-QP	6.6869	33.2933	3.387E-02	42.57
1902	Shell-Thick	SLE-QP	5.3651	26.8856	-0.43	42.57
1903	Shell-Thick	SLU-STATICA	10.6330	53.8565	-0.51	75.09
1903	Shell-Thick	SLU-STATICA	13.0056	65.0891	1.411E-02	75.09
1903	Shell-Thick	SLU-STATICA	13.0415	65.1460	1.411E-02	74.57
1903	Shell-Thick	SLU-STATICA	10.6715	53.9110	-0.51	74.57
1903	Shell-Thick	SLU-SISMICA	15.8670	80.3393	-0.40	98.38
1903	Shell-Thick	SLU-SISMICA	19.0604	95.0429	-6.284E-02	98.38
1903	Shell-Thick	SLU-SISMICA	19.0540	95.5293	-6.284E-02	98.05
1903	Shell-Thick	SLU-SISMICA	15.9425	80.7441	-0.40	98.05
1903	Shell-Thick	SLE-RARA	7.7962	39.4896	-0.39	55.74
1903	Shell-Thick	SLE-RARA	9.5531	47.8280	1.453E-02	55.74
1903	Shell-Thick	SLE-RARA	9.5824	47.8497	1.453E-02	55.33
1903	Shell-Thick	SLE-RARA	7.8236	39.5135	-0.39	55.33
1903	Shell-Thick	SLE-FREQ.	7.1739	36.3395	-0.39	52.45
1903	Shell-Thick	SLE-FREQ.	8.8200	44.1871	2.049E-02	52.45
1903	Shell-Thick	SLE-FREQ.	8.8520	44.1730	2.049E-02	52.04
1903	Shell-Thick	SLE-FREQ.	7.1975	36.3341	-0.39	52.04
1903	Shell-Thick	SLE-QP	5.3068	26.8894	-0.39	42.59
1903	Shell-Thick	SLE-QP	6.6206	33.2645	3.839E-02	42.59
1903	Shell-Thick	SLE-QP	6.6609	33.1428	3.839E-02	42.16
1903	Shell-Thick	SLE-QP	5.3193	26.7958	-0.39	42.16
1904	Shell-Thick	SLU-STATICA	10.7199	53.9363	-0.50	74.58
1904	Shell-Thick	SLU-STATICA	12.9808	65.1183	5.141E-02	74.58
1904	Shell-Thick	SLU-STATICA	13.0409	64.9904	5.141E-02	74.03
1904	Shell-Thick	SLU-STATICA	10.7273	53.8615	-0.50	74.03
1904	Shell-Thick	SLU-SISMICA	16.0609	80.8050	-0.42	98.09
1904	Shell-Thick	SLU-SISMICA	19.1008	95.5015	-4.504E-04	98.09
1904	Shell-Thick	SLU-SISMICA	19.1346	95.6756	-4.504E-04	97.67
1904	Shell-Thick	SLU-SISMICA	16.0908	80.9833	-0.42	97.67
1904	Shell-Thick	SLE-RARA	7.8567	39.5308	-0.38	55.34
1904	Shell-Thick	SLE-RARA	9.5311	47.8287	4.154E-02	55.34

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1904	Shell-Thick	SLE-RARA	9.5780	47.7167	4.154E-02	54.92
1904	Shell-Thick	SLE-RARA	7.8612	39.4615	-0.38	54.92
1904	Shell-Thick	SLE-FREQ.	7.2241	36.3481	-0.38	52.05
1904	Shell-Thick	SLE-FREQ.	8.7932	44.1525	4.478E-02	52.05
1904	Shell-Thick	SLE-FREQ.	8.8410	44.0185	4.478E-02	51.62
1904	Shell-Thick	SLE-FREQ.	7.2266	36.2596	-0.38	51.62
1904	Shell-Thick	SLE-QP	5.3261	26.7998	-0.37	42.16
1904	Shell-Thick	SLE-QP	6.5794	33.1240	5.449E-02	42.16
1904	Shell-Thick	SLE-QP	6.6302	32.9238	5.449E-02	41.73
1904	Shell-Thick	SLE-QP	5.3228	26.6540	-0.37	41.73
1905	Shell-Thick	SLU-STATICA	10.6406	53.8593	-0.50	74.05
1905	Shell-Thick	SLU-STATICA	12.9353	64.9541	6.576E-02	74.05
1905	Shell-Thick	SLU-STATICA	12.9894	64.6692	6.576E-02	73.48
1905	Shell-Thick	SLU-STATICA	10.6522	53.6172	-0.50	73.48
1905	Shell-Thick	SLU-SISMICA	16.0086	81.0043	-0.45	97.71
1905	Shell-Thick	SLU-SISMICA	19.1040	95.6321	2.562E-02	97.71
1905	Shell-Thick	SLU-SISMICA	19.1306	95.5409	2.562E-02	97.23
1905	Shell-Thick	SLU-SISMICA	16.0462	80.9025	-0.45	97.23
1905	Shell-Thick	SLE-RARA	7.7953	39.4587	-0.38	54.93
1905	Shell-Thick	SLE-RARA	9.4942	47.6896	5.183E-02	54.93
1905	Shell-Thick	SLE-RARA	9.5365	47.4641	5.183E-02	54.49
1905	Shell-Thick	SLE-RARA	7.8029	39.2683	-0.38	54.49
1905	Shell-Thick	SLE-FREQ.	7.1620	36.2550	-0.38	51.63
1905	Shell-Thick	SLE-FREQ.	8.7532	43.9926	5.385E-02	51.63
1905	Shell-Thick	SLE-FREQ.	8.7967	43.7567	5.385E-02	51.20
1905	Shell-Thick	SLE-FREQ.	7.1672	36.0578	-0.38	51.20
1905	Shell-Thick	SLE-QP	5.2619	26.6439	-0.36	41.73
1905	Shell-Thick	SLE-QP	6.5300	32.9017	5.991E-02	41.73
1905	Shell-Thick	SLE-QP	6.5772	32.6347	5.991E-02	41.31
1905	Shell-Thick	SLE-QP	5.2602	26.4262	-0.36	41.31
1906	Shell-Thick	SLU-STATICA	10.6326	53.6118	-0.52	73.47
1906	Shell-Thick	SLU-STATICA	12.8441	64.6416	0.10	73.47
1906	Shell-Thick	SLU-STATICA	12.9223	64.1907	0.10	72.85
1906	Shell-Thick	SLU-STATICA	10.6176	53.2545	-0.52	72.85
1906	Shell-Thick	SLU-SISMICA	16.0496	80.9172	-0.50	97.25
1906	Shell-Thick	SLU-SISMICA	19.0324	95.5073	8.229E-02	97.25
1906	Shell-Thick	SLU-SISMICA	19.0975	95.1422	8.229E-02	96.67
1906	Shell-Thick	SLU-SISMICA	16.0467	80.6206	-0.50	96.67
1906	Shell-Thick	SLE-RARA	7.7868	39.2632	-0.40	54.49
1906	Shell-Thick	SLE-RARA	9.4242	47.4435	7.722E-02	54.49
1906	Shell-Thick	SLE-RARA	9.4841	47.0975	7.722E-02	54.01
1906	Shell-Thick	SLE-RARA	7.7748	38.9895	-0.40	54.01
1906	Shell-Thick	SLE-FREQ.	7.1497	36.0512	-0.39	51.19
1906	Shell-Thick	SLE-FREQ.	8.6832	43.7372	7.683E-02	51.19
1906	Shell-Thick	SLE-FREQ.	8.7427	43.3927	7.683E-02	50.72
1906	Shell-Thick	SLE-FREQ.	7.1370	35.7792	-0.39	50.72
1906	Shell-Thick	SLE-QP	5.2382	26.4150	-0.37	41.30
1906	Shell-Thick	SLE-QP	6.4605	32.6182	7.565E-02	41.30
1906	Shell-Thick	SLE-QP	6.5188	32.2781	7.565E-02	40.86
1906	Shell-Thick	SLE-QP	5.2234	26.1483	-0.37	40.86
1907	Shell-Thick	SLU-STATICA	10.5145	53.2298	-0.55	72.84
1907	Shell-Thick	SLU-STATICA	12.7343	64.1572	0.12	72.84
1907	Shell-Thick	SLU-STATICA	12.8092	63.5602	0.12	72.17
1907	Shell-Thick	SLU-STATICA	10.5046	52.7181	-0.55	72.17
1907	Shell-Thick	SLU-SISMICA	15.9310	80.6068	-0.54	96.68
1907	Shell-Thick	SLU-SISMICA	18.9295	95.0993	0.11	96.68
1907	Shell-Thick	SLU-SISMICA	18.9897	94.4967	0.11	96.03
1907	Shell-Thick	SLU-SISMICA	15.9362	80.0597	-0.54	96.03
1907	Shell-Thick	SLE-RARA	7.6974	38.9702	-0.42	54.00
1907	Shell-Thick	SLE-RARA	9.3406	47.0726	8.791E-02	54.00
1907	Shell-Thick	SLE-RARA	9.3981	46.6205	8.791E-02	53.50
1907	Shell-Thick	SLE-RARA	7.6891	38.5842	-0.42	53.50
1907	Shell-Thick	SLE-FREQ.	7.0624	35.7594	-0.41	50.71
1907	Shell-Thick	SLE-FREQ.	8.6011	43.3692	8.647E-02	50.71
1907	Shell-Thick	SLE-FREQ.	8.6584	42.9287	8.647E-02	50.22
1907	Shell-Thick	SLE-FREQ.	7.0532	35.3859	-0.41	50.22
1907	Shell-Thick	SLE-QP	5.1577	26.1273	-0.38	40.84
1907	Shell-Thick	SLE-QP	6.3828	32.2587	8.217E-02	40.84
1907	Shell-Thick	SLE-QP	6.4395	31.8531	8.217E-02	40.38

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1907	Shell-Thick	SLE-QP	5.1453	25.7910	-0.38	40.38
1908	Shell-Thick	SLU-STATICA	10.4226	52.6870	-0.59	72.15
1908	Shell-Thick	SLU-STATICA	12.5806	63.5291	0.15	72.15
1908	Shell-Thick	SLU-STATICA	12.6802	62.7749	0.15	71.41
1908	Shell-Thick	SLU-STATICA	10.3896	52.0660	-0.59	71.41
1908	Shell-Thick	SLU-SISMICA	15.8392	80.0343	-0.60	96.01
1908	Shell-Thick	SLU-SISMICA	18.7571	94.4561	0.16	96.01
1908	Shell-Thick	SLU-SISMICA	18.8551	93.6049	0.16	95.25
1908	Shell-Thick	SLU-SISMICA	15.8079	79.3131	-0.60	95.25
1908	Shell-Thick	SLE-RARA	7.6277	38.5604	-0.45	53.48
1908	Shell-Thick	SLE-RARA	9.2250	46.5975	0.11	53.48
1908	Shell-Thick	SLE-RARA	9.3006	46.0308	0.11	52.92
1908	Shell-Thick	SLE-RARA	7.6026	38.0948	-0.45	52.92
1908	Shell-Thick	SLE-FREQ.	6.9945	35.3622	-0.44	50.20
1908	Shell-Thick	SLE-FREQ.	8.4900	42.9069	0.11	50.20
1908	Shell-Thick	SLE-FREQ.	8.5638	42.3623	0.11	49.65
1908	Shell-Thick	SLE-FREQ.	6.9699	34.9164	-0.44	49.65
1908	Shell-Thick	SLE-QP	5.0949	25.7676	-0.40	40.36
1908	Shell-Thick	SLE-QP	6.2849	31.8354	9.835E-02	40.36
1908	Shell-Thick	SLE-QP	6.3535	31.3565	9.835E-02	39.86
1908	Shell-Thick	SLE-QP	5.0717	25.3810	-0.40	39.86
1909	Shell-Thick	SLU-STATICA	10.2644	52.0226	-0.65	71.38
1909	Shell-Thick	SLU-STATICA	12.4088	62.7390	0.17	71.38
1909	Shell-Thick	SLU-STATICA	12.5073	61.8411	0.17	70.56
1909	Shell-Thick	SLU-STATICA	10.2387	51.2495	-0.65	70.56
1909	Shell-Thick	SLU-SISMICA	15.6566	79.2693	-0.67	95.23
1909	Shell-Thick	SLU-SISMICA	18.5573	93.5588	0.18	95.23
1909	Shell-Thick	SLU-SISMICA	18.6517	92.4860	0.18	94.37
1909	Shell-Thick	SLU-SISMICA	15.6358	78.3124	-0.67	94.37
1909	Shell-Thick	SLE-RARA	7.5091	38.0619	-0.49	52.90
1909	Shell-Thick	SLE-RARA	9.0962	46.0041	0.12	52.90
1909	Shell-Thick	SLE-RARA	9.1711	45.3324	0.12	52.28
1909	Shell-Thick	SLE-RARA	7.4893	37.4853	-0.49	52.28
1909	Shell-Thick	SLE-FREQ.	6.8808	34.8843	-0.48	49.63
1909	Shell-Thick	SLE-FREQ.	8.3667	42.3371	0.12	49.63
1909	Shell-Thick	SLE-FREQ.	8.4400	41.6963	0.12	49.03
1909	Shell-Thick	SLE-FREQ.	6.8611	34.3370	-0.48	49.03
1909	Shell-Thick	SLE-QP	4.9959	25.3514	-0.44	39.84
1909	Shell-Thick	SLE-QP	6.1780	31.3358	0.11	39.84
1909	Shell-Thick	SLE-QP	6.2468	30.7878	0.11	39.30
1909	Shell-Thick	SLE-QP	4.9765	24.8921	-0.44	39.30
1910	Shell-Thick	SLU-STATICA	10.0952	51.1980	-0.73	70.52
1910	Shell-Thick	SLU-STATICA	12.1923	61.8009	0.20	70.52
1910	Shell-Thick	SLU-STATICA	12.3172	60.7465	0.20	69.59
1910	Shell-Thick	SLU-STATICA	10.0499	50.3146	-0.73	69.59
1910	Shell-Thick	SLU-SISMICA	15.4466	78.2537	-0.77	94.34
1910	Shell-Thick	SLU-SISMICA	18.2896	92.4344	0.23	94.34
1910	Shell-Thick	SLU-SISMICA	18.4227	91.1270	0.23	93.34
1910	Shell-Thick	SLU-SISMICA	15.3931	77.1336	-0.77	93.34
1910	Shell-Thick	SLE-RARA	7.3829	37.4466	-0.55	52.25
1910	Shell-Thick	SLE-RARA	8.9347	45.3026	0.15	52.25
1910	Shell-Thick	SLE-RARA	9.0290	44.5162	0.15	51.55
1910	Shell-Thick	SLE-RARA	7.3489	36.7890	-0.55	51.55
1910	Shell-Thick	SLE-FREQ.	6.7611	34.2998	-0.54	49.01
1910	Shell-Thick	SLE-FREQ.	8.2134	41.6681	0.14	49.01
1910	Shell-Thick	SLE-FREQ.	8.3046	40.9219	0.14	48.33
1910	Shell-Thick	SLE-FREQ.	6.7286	33.6779	-0.54	48.33
1910	Shell-Thick	SLE-QP	4.8957	24.8596	-0.49	39.27
1910	Shell-Thick	SLE-QP	6.0492	30.7647	0.12	39.27
1910	Shell-Thick	SLE-QP	6.1315	30.1390	0.12	38.66
1910	Shell-Thick	SLE-QP	4.8677	24.3446	-0.49	38.66
1911	Shell-Thick	SLU-STATICA	9.8928	50.2572	-0.83	69.55
1911	Shell-Thick	SLU-STATICA	11.9567	60.7003	0.22	69.55
1911	Shell-Thick	SLU-STATICA	12.0829	59.4975	0.22	68.50
1911	Shell-Thick	SLU-STATICA	9.8587	49.2155	-0.83	68.50
1911	Shell-Thick	SLU-SISMICA	15.1986	77.0657	-0.87	93.29
1911	Shell-Thick	SLU-SISMICA	17.9967	91.0709	0.26	93.29
1911	Shell-Thick	SLU-SISMICA	18.1272	89.5485	0.26	92.16
1911	Shell-Thick	SLU-SISMICA	15.1603	75.7130	-0.87	92.16

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1911	Shell-Thick	SLE-RARA	7.2318	36.7460	-0.63	51.52
1911	Shell-Thick	SLE-RARA	8.7591	44.4817	0.16	51.52
1911	Shell-Thick	SLE-RARA	8.8545	43.5862	0.16	50.73
1911	Shell-Thick	SLE-RARA	7.2062	35.9722	-0.63	50.73
1911	Shell-Thick	SLE-FREQ.	6.6174	33.6369	-0.61	48.30
1911	Shell-Thick	SLE-FREQ.	8.0467	40.8891	0.16	48.30
1911	Shell-Thick	SLE-FREQ.	8.1395	40.0419	0.16	47.53
1911	Shell-Thick	SLE-FREQ.	6.5928	32.9077	-0.61	47.53
1911	Shell-Thick	SLE-QP	4.7744	24.3094	-0.55	38.63
1911	Shell-Thick	SLE-QP	5.9097	30.1112	0.13	38.63
1911	Shell-Thick	SLE-QP	5.9944	29.4090	0.13	37.95
1911	Shell-Thick	SLE-QP	4.7527	23.7141	-0.55	37.95
1912	Shell-Thick	SLU-STATICA	9.6506	49.1504	-0.98	68.46
1912	Shell-Thick	SLU-STATICA	11.6731	59.4389	0.26	68.46
1912	Shell-Thick	SLU-STATICA	11.8297	58.0753	0.26	67.23
1912	Shell-Thick	SLU-STATICA	9.6019	47.9930	-0.98	67.23
1912	Shell-Thick	SLU-SISMICA	14.8816	75.6294	-1.02	92.11
1912	Shell-Thick	SLU-SISMICA	17.6346	89.4779	0.31	92.11
1912	Shell-Thick	SLU-SISMICA	17.8066	87.7282	0.31	90.79
1912	Shell-Thick	SLU-SISMICA	14.8156	74.1187	-1.02	90.79
1912	Shell-Thick	SLE-RARA	7.0520	35.9238	-0.74	50.70
1912	Shell-Thick	SLE-RARA	8.5481	43.5424	0.19	50.70
1912	Shell-Thick	SLE-RARA	8.6660	42.5284	0.19	49.77
1912	Shell-Thick	SLE-RARA	7.0160	35.0644	-0.74	49.77
1912	Shell-Thick	SLE-FREQ.	6.4482	32.8620	-0.72	47.50
1912	Shell-Thick	SLE-FREQ.	7.8474	40.0002	0.18	47.50
1912	Shell-Thick	SLE-FREQ.	7.9612	39.0429	0.18	46.61
1912	Shell-Thick	SLE-FREQ.	6.4145	32.0528	-0.72	46.61
1912	Shell-Thick	SLE-QP	4.6369	23.6766	-0.65	37.92
1912	Shell-Thick	SLE-QP	5.7454	29.3736	0.15	37.92
1912	Shell-Thick	SLE-QP	5.8466	28.5865	0.15	37.12
1912	Shell-Thick	SLE-QP	4.6101	23.0181	-0.65	37.12
1913	Shell-Thick	SLU-STATICA	9.3967	47.9302	-1.18	67.19
1913	Shell-Thick	SLU-STATICA	11.3671	58.0046	0.28	67.19
1913	Shell-Thick	SLU-STATICA	11.5309	56.4855	0.28	65.73
1913	Shell-Thick	SLU-STATICA	9.3685	46.6042	-1.18	65.73
1913	Shell-Thick	SLU-SISMICA	14.5617	74.0355	-1.21	90.73
1913	Shell-Thick	SLU-SISMICA	17.2469	87.6486	0.33	90.73
1913	Shell-Thick	SLU-SISMICA	17.4199	85.6854	0.33	89.19
1913	Shell-Thick	SLU-SISMICA	14.5203	72.2878	-1.21	89.19
1913	Shell-Thick	SLE-RARA	6.8629	35.0178	-0.89	49.74
1913	Shell-Thick	SLE-RARA	8.3203	42.4752	0.21	49.74
1913	Shell-Thick	SLE-RARA	8.4440	41.3463	0.21	48.64
1913	Shell-Thick	SLE-RARA	6.8421	34.0341	-0.89	48.64
1913	Shell-Thick	SLE-FREQ.	6.2692	32.0091	-0.87	46.58
1913	Shell-Thick	SLE-FREQ.	7.6320	38.9918	0.20	46.58
1913	Shell-Thick	SLE-FREQ.	7.7518	37.9272	0.20	45.51
1913	Shell-Thick	SLE-FREQ.	6.2501	31.0842	-0.87	45.51
1913	Shell-Thick	SLE-QP	4.4882	22.9828	-0.79	37.10
1913	Shell-Thick	SLE-QP	5.5669	28.5414	0.17	37.10
1913	Shell-Thick	SLE-QP	5.6753	27.6698	0.17	36.13
1913	Shell-Thick	SLE-QP	4.4738	22.2347	-0.79	36.13
1914	Shell-Thick	SLU-STATICA	9.1994	46.5601	-1.38	65.71
1914	Shell-Thick	SLU-STATICA	11.0400	56.3976	0.19	65.71
1914	Shell-Thick	SLU-STATICA	11.3049	55.3268	0.19	64.67
1914	Shell-Thick	SLU-STATICA	9.0526	45.5999	-1.38	64.67
1914	Shell-Thick	SLU-SISMICA	14.2860	72.2217	-1.39	89.15
1914	Shell-Thick	SLU-SISMICA	16.8248	85.5855	0.24	89.15
1914	Shell-Thick	SLU-SISMICA	17.1309	84.1931	0.24	88.08
1914	Shell-Thick	SLU-SISMICA	14.0950	70.9628	-1.39	88.08
1914	Shell-Thick	SLE-RARA	6.7173	34.0018	-1.04	48.62
1914	Shell-Thick	SLE-RARA	8.0772	41.2803	0.14	48.62
1914	Shell-Thick	SLE-RARA	8.2759	40.4849	0.14	47.84
1914	Shell-Thick	SLE-RARA	6.6082	33.2890	-1.04	47.84
1914	Shell-Thick	SLE-FREQ.	6.1336	31.0545	-1.01	45.50
1914	Shell-Thick	SLE-FREQ.	7.4026	37.8638	0.14	45.50
1914	Shell-Thick	SLE-FREQ.	7.5931	37.1145	0.14	44.73
1914	Shell-Thick	SLE-FREQ.	6.0309	30.3839	-1.01	44.73
1914	Shell-Thick	SLE-QP	4.3827	22.2127	-0.94	36.12

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1914	Shell-Thick	SLE-QP	5.3789	27.6143	0.12	36.12
1914	Shell-Thick	SLE-QP	5.5445	27.0031	0.12	35.42
1914	Shell-Thick	SLE-QP	4.2989	21.6685	-0.94	35.42
1915	Shell-Thick	SLU-STATICA	8.9026	45.5604	-1.58	64.64
1915	Shell-Thick	SLU-STATICA	10.7692	55.2291	0.33	64.64
1915	Shell-Thick	SLU-STATICA	10.9692	53.4629	0.33	62.74
1915	Shell-Thick	SLU-STATICA	8.8902	44.0080	-1.58	62.74
1915	Shell-Thick	SLU-SISMICA	13.9119	70.9000	-1.58	88.03
1915	Shell-Thick	SLU-SISMICA	16.4827	84.0897	0.40	88.03
1915	Shell-Thick	SLU-SISMICA	16.6930	81.7886	0.40	86.06
1915	Shell-Thick	SLU-SISMICA	13.8787	68.8439	-1.58	86.06
1915	Shell-Thick	SLE-RARA	6.4963	33.2603	-1.19	47.82
1915	Shell-Thick	SLE-RARA	7.8756	40.4112	0.24	47.82
1915	Shell-Thick	SLE-RARA	8.0266	39.0996	0.24	46.38
1915	Shell-Thick	SLE-RARA	6.4879	32.1091	-1.19	46.38
1915	Shell-Thick	SLE-FREQ.	5.9244	30.3578	-1.16	44.72
1915	Shell-Thick	SLE-FREQ.	7.2119	37.0431	0.23	44.72
1915	Shell-Thick	SLE-FREQ.	7.3583	35.8077	0.23	43.32
1915	Shell-Thick	SLE-FREQ.	5.9179	29.2764	-1.16	43.32
1915	Shell-Thick	SLE-QP	4.2089	21.6503	-1.08	35.42
1915	Shell-Thick	SLE-QP	5.2207	26.9385	0.20	35.42
1915	Shell-Thick	SLE-QP	5.3534	25.9321	0.20	34.14
1915	Shell-Thick	SLE-QP	4.2082	20.7782	-1.08	34.14
1916	Shell-Thick	SLU-STATICA	8.5668	43.9484	-1.72	62.73
1916	Shell-Thick	SLU-STATICA	10.3630	53.3367	0.36	62.73
1916	Shell-Thick	SLU-STATICA	10.5920	51.4385	0.36	60.64
1916	Shell-Thick	SLU-STATICA	8.5425	42.3052	-1.72	60.64
1916	Shell-Thick	SLU-SISMICA	13.4565	68.7473	-1.73	86.02
1916	Shell-Thick	SLU-SISMICA	15.9567	81.6535	0.44	86.02
1916	Shell-Thick	SLU-SISMICA	16.2073	79.1668	0.44	83.85
1916	Shell-Thick	SLU-SISMICA	13.3986	66.5706	-1.73	83.85
1916	Shell-Thick	SLE-RARA	6.2478	32.0657	-1.31	46.37
1916	Shell-Thick	SLE-RARA	7.5737	39.0043	0.27	46.37
1916	Shell-Thick	SLE-RARA	7.7462	37.5954	0.27	44.80
1916	Shell-Thick	SLE-RARA	6.2310	30.8472	-1.31	44.80
1916	Shell-Thick	SLE-FREQ.	5.6919	29.2371	-1.27	43.31
1916	Shell-Thick	SLE-FREQ.	6.9273	35.7155	0.26	43.31
1916	Shell-Thick	SLE-FREQ.	7.0937	34.3897	0.26	41.78
1916	Shell-Thick	SLE-FREQ.	5.6783	28.0925	-1.27	41.78
1916	Shell-Thick	SLE-QP	4.0242	20.7513	-1.18	34.14
1916	Shell-Thick	SLE-QP	4.9880	25.8491	0.22	34.14
1916	Shell-Thick	SLE-QP	5.1364	24.7726	0.22	32.75
1916	Shell-Thick	SLE-QP	4.0201	19.8282	-1.18	32.75
1917	Shell-Thick	SLU-STATICA	8.2363	42.2506	-1.83	60.64
1917	Shell-Thick	SLU-STATICA	9.9484	51.3031	0.37	60.64
1917	Shell-Thick	SLU-STATICA	10.1720	49.2988	0.37	58.44
1917	Shell-Thick	SLU-STATICA	8.2321	40.4757	-1.83	58.44
1917	Shell-Thick	SLU-SISMICA	13.0175	66.4796	-1.84	83.81
1917	Shell-Thick	SLU-SISMICA	15.4218	79.0244	0.45	83.81
1917	Shell-Thick	SLU-SISMICA	15.6595	76.3818	0.45	81.52
1917	Shell-Thick	SLU-SISMICA	12.9883	64.1057	-1.84	81.52
1917	Shell-Thick	SLE-RARA	6.0027	30.8077	-1.39	44.79
1917	Shell-Thick	SLE-RARA	7.2656	37.4931	0.28	44.79
1917	Shell-Thick	SLE-RARA	7.4343	36.0062	0.28	43.13
1917	Shell-Thick	SLE-RARA	6.0008	29.4926	-1.39	43.13
1917	Shell-Thick	SLE-FREQ.	5.4618	28.0569	-1.35	41.78
1917	Shell-Thick	SLE-FREQ.	6.6367	34.2905	0.26	41.78
1917	Shell-Thick	SLE-FREQ.	6.8000	32.8927	0.26	40.17
1917	Shell-Thick	SLE-FREQ.	5.4620	26.8235	-1.35	40.17
1917	Shell-Thick	SLE-QP	3.8390	19.8046	-1.25	32.75
1917	Shell-Thick	SLE-QP	4.7498	24.6827	0.22	32.75
1917	Shell-Thick	SLE-QP	4.8972	23.5522	0.22	31.29
1917	Shell-Thick	SLE-QP	3.8455	18.8161	-1.25	31.29
1918	Shell-Thick	SLU-STATICA	7.8686	40.4176	-1.92	58.44
1918	Shell-Thick	SLU-STATICA	9.4980	49.1494	0.39	58.44
1918	Shell-Thick	SLU-STATICA	9.7447	47.0639	0.39	56.12
1918	Shell-Thick	SLU-STATICA	7.8514	38.5978	-1.92	56.12
1918	Shell-Thick	SLU-SISMICA	12.5155	64.0061	-1.96	81.49
1918	Shell-Thick	SLU-SISMICA	14.8307	76.2211	0.49	81.49

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1918	Shell-Thick	SLU-SISMICA	15.1040	73.4521	0.49	79.05
1918	Shell-Thick	SLU-SISMICA	12.4622	61.5656	-1.96	79.05
1918	Shell-Thick	SLE-RARA	5.7308	29.4507	-1.45	43.13
1918	Shell-Thick	SLE-RARA	6.9313	35.8935	0.29	43.13
1918	Shell-Thick	SLE-RARA	7.1169	34.3473	0.29	41.38
1918	Shell-Thick	SLE-RARA	5.7195	28.1027	-1.45	41.38
1918	Shell-Thick	SLE-FREQ.	5.2076	26.7860	-1.42	40.17
1918	Shell-Thick	SLE-FREQ.	6.3222	32.7837	0.28	40.17
1918	Shell-Thick	SLE-FREQ.	6.5010	31.3319	0.28	38.48
1918	Shell-Thick	SLE-FREQ.	5.1996	25.5223	-1.42	38.48
1918	Shell-Thick	SLE-QP	3.6381	18.7920	-1.30	31.30
1918	Shell-Thick	SLE-QP	4.4947	23.4544	0.23	31.30
1918	Shell-Thick	SLE-QP	4.6532	22.2854	0.23	29.76
1918	Shell-Thick	SLE-QP	3.6398	17.7810	-1.30	29.76
1919	Shell-Thick	SLU-STATICA	7.4986	38.5441	-1.97	56.12
1919	Shell-Thick	SLU-STATICA	9.0504	46.9083	0.39	56.12
1919	Shell-Thick	SLU-STATICA	9.2845	44.7666	0.39	53.76
1919	Shell-Thick	SLU-STATICA	7.5021	36.6348	-1.97	53.76
1919	Shell-Thick	SLU-SISMICA	12.0129	61.4714	-2.03	79.02
1919	Shell-Thick	SLU-SISMICA	14.2437	73.2843	0.49	79.02
1919	Shell-Thick	SLU-SISMICA	14.4967	70.4178	0.49	76.51
1919	Shell-Thick	SLU-SISMICA	11.9910	58.8817	-2.03	76.51
1919	Shell-Thick	SLE-RARA	5.4571	28.0640	-1.49	41.39
1919	Shell-Thick	SLE-RARA	6.5991	34.2300	0.29	41.39
1919	Shell-Thick	SLE-RARA	6.7755	32.6433	0.29	39.60
1919	Shell-Thick	SLE-RARA	5.4610	26.6511	-1.49	39.60
1919	Shell-Thick	SLE-FREQ.	4.9515	25.4878	-1.45	38.48
1919	Shell-Thick	SLE-FREQ.	6.0096	31.2184	0.28	38.48
1919	Shell-Thick	SLE-FREQ.	6.1801	29.7304	0.28	36.76
1919	Shell-Thick	SLE-FREQ.	4.9575	24.1657	-1.45	36.76
1919	Shell-Thick	SLE-QP	3.4349	17.7594	-1.33	29.78
1919	Shell-Thick	SLE-QP	4.2411	22.1836	0.23	29.78
1919	Shell-Thick	SLE-QP	4.3939	20.9917	0.23	28.22
1919	Shell-Thick	SLE-QP	3.4468	16.7096	-1.33	28.22
1920	Shell-Thick	SLU-STATICA	7.1302	36.5824	-2.02	53.77
1920	Shell-Thick	SLU-STATICA	8.5788	44.6035	0.40	53.77
1920	Shell-Thick	SLU-STATICA	8.8303	42.4419	0.40	51.34
1920	Shell-Thick	SLU-STATICA	7.1210	34.6835	-2.02	51.34
1920	Shell-Thick	SLU-SISMICA	11.5079	58.7876	-2.10	76.49
1920	Shell-Thick	SLU-SISMICA	13.6147	70.2389	0.51	76.49
1920	Shell-Thick	SLU-SISMICA	13.8977	67.3234	0.51	73.87
1920	Shell-Thick	SLU-SISMICA	11.4636	56.2013	-2.10	73.87
1920	Shell-Thick	SLE-RARA	5.1847	26.6135	-1.53	39.61
1920	Shell-Thick	SLE-RARA	6.2495	32.5205	0.30	39.61
1920	Shell-Thick	SLE-RARA	6.4386	30.9202	0.30	37.78
1920	Shell-Thick	SLE-RARA	5.1795	25.2089	-1.53	37.78
1920	Shell-Thick	SLE-FREQ.	4.6971	24.1325	-1.48	36.76
1920	Shell-Thick	SLE-FREQ.	5.6816	29.6119	0.29	36.76
1920	Shell-Thick	SLE-FREQ.	5.8634	28.1130	0.29	35.00
1920	Shell-Thick	SLE-FREQ.	4.6949	22.8190	-1.48	35.00
1920	Shell-Thick	SLE-QP	3.2344	16.6894	-1.35	28.23
1920	Shell-Thick	SLE-QP	3.9777	20.8862	0.24	28.23
1920	Shell-Thick	SLE-QP	4.1378	19.6915	0.24	26.65
1920	Shell-Thick	SLE-QP	3.2411	15.6492	-1.35	26.65
1921	Shell-Thick	SLU-STATICA	6.7310	34.6328	-2.02	51.36
1921	Shell-Thick	SLU-STATICA	8.1226	42.2731	0.39	51.36
1921	Shell-Thick	SLU-STATICA	8.3554	40.1169	0.39	48.95
1921	Shell-Thick	SLU-STATICA	6.7427	32.6993	-2.02	48.95
1921	Shell-Thick	SLU-SISMICA	10.9512	56.1086	-2.13	73.86
1921	Shell-Thick	SLU-SISMICA	13.0057	67.1352	0.50	73.86
1921	Shell-Thick	SLU-SISMICA	13.2616	64.2010	0.50	71.24
1921	Shell-Thick	SLU-SISMICA	10.9398	53.4436	-2.13	71.24
1921	Shell-Thick	SLE-RARA	4.8901	25.1725	-1.53	37.79
1921	Shell-Thick	SLE-RARA	5.9115	30.7932	0.29	37.79
1921	Shell-Thick	SLE-RARA	6.0867	29.1981	0.29	35.98
1921	Shell-Thick	SLE-RARA	4.9001	23.7440	-1.53	35.98
1921	Shell-Thick	SLE-FREQ.	4.4227	22.7870	-1.48	35.01
1921	Shell-Thick	SLE-FREQ.	5.3645	27.9908	0.28	35.01
1921	Shell-Thick	SLE-FREQ.	5.5335	26.4989	0.28	33.26



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1921	Shell-Thick	SLE-FREQ.	4.4344	21.4537	-1.48	33.26
1921	Shell-Thick	SLE-QP	3.0205	15.6303	-1.34	26.67
1921	Shell-Thick	SLE-QP	3.7233	19.5835	0.23	26.67
1921	Shell-Thick	SLE-QP	3.8736	18.4014	0.23	25.10
1921	Shell-Thick	SLE-QP	3.0372	14.5831	-1.34	25.10
1922	Shell-Thick	SLU-STATICA	6.3939	32.6571	-2.01	48.96
1922	Shell-Thick	SLU-STATICA	7.6577	39.9499	0.39	48.96
1922	Shell-Thick	SLU-STATICA	7.9010	37.8439	0.39	46.56
1922	Shell-Thick	SLU-STATICA	6.3932	30.7969	-2.01	46.56
1922	Shell-Thick	SLU-SISMICA	10.4874	53.3630	-2.15	71.23
1922	Shell-Thick	SLU-SISMICA	12.3747	64.0138	0.51	71.23
1922	Shell-Thick	SLU-SISMICA	12.6529	61.1241	0.51	68.58
1922	Shell-Thick	SLU-SISMICA	10.4554	50.7854	-2.15	68.58
1922	Shell-Thick	SLE-RARA	4.6409	23.7138	-1.52	35.99
1922	Shell-Thick	SLE-RARA	5.5675	29.0726	0.29	35.99
1922	Shell-Thick	SLE-RARA	5.7501	27.5158	0.29	34.18
1922	Shell-Thick	SLE-RARA	4.6420	22.3400	-1.52	34.18
1922	Shell-Thick	SLE-FREQ.	4.1901	21.4275	-1.47	33.27
1922	Shell-Thick	SLE-FREQ.	5.0426	26.3781	0.28	33.27
1922	Shell-Thick	SLE-FREQ.	5.2179	24.9242	0.28	31.53
1922	Shell-Thick	SLE-FREQ.	4.1937	20.1465	-1.47	31.53
1922	Shell-Thick	SLE-QP	2.8376	14.5685	-1.32	25.12
1922	Shell-Thick	SLE-QP	3.4678	18.2949	0.23	25.12
1922	Shell-Thick	SLE-QP	3.6210	17.1493	0.23	23.57
1922	Shell-Thick	SLE-QP	2.8488	13.5660	-1.32	23.57
1923	Shell-Thick	SLU-STATICA	5.9820	30.7507	-1.94	46.58
1923	Shell-Thick	SLU-STATICA	7.2220	37.6720	0.37	46.58
1923	Shell-Thick	SLU-STATICA	7.4403	35.6398	0.37	44.28
1923	Shell-Thick	SLU-STATICA	5.9997	28.9207	-1.94	44.28
1923	Shell-Thick	SLU-SISMICA	9.8964	50.6977	-2.10	68.59
1923	Shell-Thick	SLU-SISMICA	11.7811	60.9256	0.48	68.59
1923	Shell-Thick	SLU-SISMICA	12.0258	58.1089	0.48	66.02
1923	Shell-Thick	SLU-SISMICA	9.8949	48.1291	-2.10	66.02
1923	Shell-Thick	SLE-RARA	4.3377	22.3071	-1.46	34.20
1923	Shell-Thick	SLE-RARA	5.2453	27.3869	0.27	34.20
1923	Shell-Thick	SLE-RARA	5.4093	25.8861	0.27	32.47
1923	Shell-Thick	SLE-RARA	4.3521	20.9573	-1.46	32.47
1923	Shell-Thick	SLE-FREQ.	3.9091	20.1178	-1.41	31.55
1923	Shell-Thick	SLE-FREQ.	4.7413	24.8007	0.26	31.55
1923	Shell-Thick	SLE-FREQ.	4.8991	23.4013	0.26	29.88
1923	Shell-Thick	SLE-FREQ.	3.9247	18.8620	-1.41	29.88
1923	Shell-Thick	SLE-QP	2.6232	13.5500	-1.27	23.60
1923	Shell-Thick	SLE-QP	3.2293	17.0419	0.21	23.60
1923	Shell-Thick	SLE-QP	3.3685	15.9470	0.21	22.12
1923	Shell-Thick	SLE-QP	2.6425	12.5761	-1.27	22.12
1924	Shell-Thick	SLU-STATICA	5.7012	28.8892	-1.84	44.29
1924	Shell-Thick	SLU-STATICA	6.7953	35.4827	0.36	44.29
1924	Shell-Thick	SLU-STATICA	7.0146	33.5669	0.36	42.10
1924	Shell-Thick	SLU-STATICA	5.7047	27.1908	-1.84	42.10
1924	Shell-Thick	SLU-SISMICA	9.5069	48.0650	-2.03	66.01
1924	Shell-Thick	SLU-SISMICA	11.1893	57.9281	0.47	66.01
1924	Shell-Thick	SLU-SISMICA	11.4453	55.2447	0.47	63.52
1924	Shell-Thick	SLU-SISMICA	9.4847	45.6616	-2.03	63.52
1924	Shell-Thick	SLE-RARA	4.1304	20.9350	-1.38	32.48
1924	Shell-Thick	SLE-RARA	4.9301	25.7682	0.26	32.48
1924	Shell-Thick	SLE-RARA	5.0945	24.3548	0.26	30.83
1924	Shell-Thick	SLE-RARA	4.1343	19.6833	-1.38	30.83
1924	Shell-Thick	SLE-FREQ.	3.7158	18.8430	-1.34	29.89
1924	Shell-Thick	SLE-FREQ.	4.4475	23.2883	0.25	29.89
1924	Shell-Thick	SLE-FREQ.	4.6047	21.9728	0.25	28.31
1924	Shell-Thick	SLE-FREQ.	3.7217	17.6800	-1.34	28.31
1924	Shell-Thick	SLE-QP	2.4720	12.5668	-1.19	22.14
1924	Shell-Thick	SLE-QP	2.9995	15.8485	0.20	22.14
1924	Shell-Thick	SLE-QP	3.1355	14.8268	0.20	20.75
1924	Shell-Thick	SLE-QP	2.4840	11.6702	-1.19	20.75
1925	Shell-Thick	SLU-STATICA	5.3271	27.1486	-1.63	42.12
1925	Shell-Thick	SLU-STATICA	6.4321	33.4171	0.26	42.12
1925	Shell-Thick	SLU-STATICA	6.6275	31.8812	0.26	40.50
1925	Shell-Thick	SLU-STATICA	5.3095	25.7485	-1.63	40.50



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1925	Shell-Thick	SLU-SISMICA	8.9482	45.5825	-1.83	63.54
1925	Shell-Thick	SLU-SISMICA	10.6803	55.0634	0.34	63.54
1925	Shell-Thick	SLU-SISMICA	10.9094	52.8851	0.34	61.67
1925	Shell-Thick	SLU-SISMICA	8.9121	43.5731	-1.83	61.67
1925	Shell-Thick	SLE-RARA	3.8562	19.6531	-1.23	30.85
1925	Shell-Thick	SLE-RARA	4.6622	24.2429	0.19	30.85
1925	Shell-Thick	SLE-RARA	4.8086	23.1111	0.19	29.63
1925	Shell-Thick	SLE-RARA	3.8437	18.6225	-1.23	29.63
1925	Shell-Thick	SLE-FREQ.	3.4635	17.6536	-1.18	28.33
1925	Shell-Thick	SLE-FREQ.	4.1981	21.8663	0.18	28.33
1925	Shell-Thick	SLE-FREQ.	4.3381	20.8152	0.18	27.16
1925	Shell-Thick	SLE-FREQ.	3.4529	16.6985	-1.18	27.16
1925	Shell-Thick	SLE-QP	2.2855	11.6551	-1.04	20.77
1925	Shell-Thick	SLE-QP	2.8059	14.7363	0.14	20.77
1925	Shell-Thick	SLE-QP	2.9268	13.9273	0.14	19.75
1925	Shell-Thick	SLE-QP	2.2804	10.9265	-1.04	19.75
1926	Shell-Thick	SLU-STATICA	5.0856	25.7177	-1.40	40.50
1926	Shell-Thick	SLU-STATICA	6.0823	31.7583	0.36	40.50
1926	Shell-Thick	SLU-STATICA	6.2448	29.8774	0.36	38.49
1926	Shell-Thick	SLU-STATICA	5.1017	24.0565	-1.40	38.49
1926	Shell-Thick	SLU-SISMICA	8.6160	43.5171	-1.65	61.66
1926	Shell-Thick	SLU-SISMICA	10.1798	52.7360	0.49	61.66
1926	Shell-Thick	SLU-SISMICA	10.3743	50.0345	0.49	59.22
1926	Shell-Thick	SLU-SISMICA	8.6189	41.1025	-1.65	59.22
1926	Shell-Thick	SLE-RARA	3.6777	18.6004	-1.05	29.64
1926	Shell-Thick	SLE-RARA	4.4046	23.0192	0.27	29.64
1926	Shell-Thick	SLE-RARA	4.5262	21.6349	0.27	28.13
1926	Shell-Thick	SLE-RARA	3.6905	17.3792	-1.05	28.13
1926	Shell-Thick	SLE-FREQ.	3.2969	16.6790	-1.01	27.17
1926	Shell-Thick	SLE-FREQ.	3.9593	20.7277	0.25	27.17
1926	Shell-Thick	SLE-FREQ.	4.0752	19.4450	0.25	25.73
1926	Shell-Thick	SLE-FREQ.	3.3104	15.5498	-1.01	25.73
1926	Shell-Thick	SLE-QP	2.1544	10.9148	-0.87	19.76
1926	Shell-Thick	SLE-QP	2.6233	13.8530	0.20	19.76
1926	Shell-Thick	SLE-QP	2.7224	12.8750	0.20	18.54
1926	Shell-Thick	SLE-QP	2.1703	10.0617	-0.87	18.54
1927	Shell-Thick	SLU-STATICA	4.7048	24.0026	-1.15	38.51
1927	Shell-Thick	SLU-STATICA	5.7330	29.7495	0.26	38.51
1927	Shell-Thick	SLU-STATICA	5.8718	28.2741	0.26	37.10
1927	Shell-Thick	SLU-STATICA	4.7007	22.6712	-1.15	37.10
1927	Shell-Thick	SLU-SISMICA	8.0433	41.0142	-1.39	59.23
1927	Shell-Thick	SLU-SISMICA	9.6735	49.8676	0.35	59.23
1927	Shell-Thick	SLU-SISMICA	9.8432	47.7158	0.35	57.49
1927	Shell-Thick	SLU-SISMICA	8.0299	39.0468	-1.39	57.49
1927	Shell-Thick	SLE-RARA	3.3987	17.3401	-0.86	28.14
1927	Shell-Thick	SLE-RARA	4.1478	21.5400	0.19	28.14
1927	Shell-Thick	SLE-RARA	4.2514	20.4557	0.19	27.09
1927	Shell-Thick	SLE-RARA	3.3960	16.3630	-0.86	27.09
1927	Shell-Thick	SLE-FREQ.	3.0405	15.5145	-0.82	25.75
1927	Shell-Thick	SLE-FREQ.	3.7217	19.3556	0.18	25.75
1927	Shell-Thick	SLE-FREQ.	3.8202	18.3536	0.18	24.75
1927	Shell-Thick	SLE-FREQ.	3.0387	14.6137	-0.82	24.75
1927	Shell-Thick	SLE-QP	1.9661	10.0378	-0.70	18.56
1927	Shell-Thick	SLE-QP	2.4433	12.8023	0.14	18.56
1927	Shell-Thick	SLE-QP	2.5266	12.0473	0.14	17.72
1927	Shell-Thick	SLE-QP	1.9667	9.3661	-0.70	17.72
1928	Shell-Thick	SLU-STATICA	4.5302	22.6377	-0.99	37.09
1928	Shell-Thick	SLU-STATICA	5.4395	28.1871	0.23	37.09
1928	Shell-Thick	SLU-STATICA	5.5694	26.8576	0.23	35.86
1928	Shell-Thick	SLU-STATICA	4.5138	21.4553	-0.99	35.86
1928	Shell-Thick	SLU-SISMICA	7.7972	38.9936	-1.22	57.46
1928	Shell-Thick	SLU-SISMICA	9.2416	47.6021	0.33	57.46
1928	Shell-Thick	SLU-SISMICA	9.4065	45.6379	0.33	55.91
1928	Shell-Thick	SLU-SISMICA	7.7666	37.2261	-1.22	55.91
1928	Shell-Thick	SLE-RARA	3.2699	16.3385	-0.74	27.09
1928	Shell-Thick	SLE-RARA	3.9323	20.3911	0.17	27.09
1928	Shell-Thick	SLE-RARA	4.0290	19.4153	0.17	26.18
1928	Shell-Thick	SLE-RARA	3.2582	15.4718	-0.74	26.18
1928	Shell-Thick	SLE-FREQ.	2.9208	14.5915	-0.70	24.74

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1928	Shell-Thick	SLE-FREQ.	3.5229	18.2928	0.16	24.74
1928	Shell-Thick	SLE-FREQ.	3.6143	17.3932	0.16	23.88
1928	Shell-Thick	SLE-FREQ.	2.9106	13.7942	-0.70	23.88
1928	Shell-Thick	SLE-QP	1.8735	9.3505	-0.59	17.72
1928	Shell-Thick	SLE-QP	2.2947	11.9979	0.12	17.72
1928	Shell-Thick	SLE-QP	2.3703	11.3269	0.12	17.00
1928	Shell-Thick	SLE-QP	1.8676	8.7616	-0.59	17.00
1929	Shell-Thick	SLU-STATICA	4.2141	21.4057	-0.84	35.87
1929	Shell-Thick	SLU-STATICA	5.1828	26.7699	0.20	35.87
1929	Shell-Thick	SLU-STATICA	5.2887	25.5878	0.20	34.82
1929	Shell-Thick	SLU-STATICA	4.2043	20.3400	-0.84	34.82
1929	Shell-Thick	SLU-SISMICA	7.3156	37.1475	-1.06	55.91
1929	Shell-Thick	SLU-SISMICA	8.8600	45.5170	0.29	55.91
1929	Shell-Thick	SLU-SISMICA	8.9937	43.7517	0.29	54.57
1929	Shell-Thick	SLU-SISMICA	7.2973	35.5352	-1.06	54.57
1929	Shell-Thick	SLE-RARA	3.0386	15.4356	-0.63	26.18
1929	Shell-Thick	SLE-RARA	3.7440	19.3505	0.15	26.18
1929	Shell-Thick	SLE-RARA	3.8229	18.4838	0.15	25.40
1929	Shell-Thick	SLE-RARA	3.0316	14.6553	-0.63	25.40
1929	Shell-Thick	SLE-FREQ.	2.7088	13.7614	-0.59	23.89
1929	Shell-Thick	SLE-FREQ.	3.3495	17.3328	0.14	23.89
1929	Shell-Thick	SLE-FREQ.	3.4241	16.5354	0.14	23.15
1929	Shell-Thick	SLE-FREQ.	2.7027	13.0452	-0.59	23.15
1929	Shell-Thick	SLE-QP	1.7194	8.7385	-0.50	17.01
1929	Shell-Thick	SLE-QP	2.1660	11.2794	0.11	17.01
1929	Shell-Thick	SLE-QP	2.2279	10.6899	0.11	16.41
1929	Shell-Thick	SLE-QP	1.7159	8.2149	-0.50	16.41
1930	Shell-Thick	SLU-STATICA	4.0739	20.3088	-0.71	34.81
1930	Shell-Thick	SLU-STATICA	4.9511	25.5254	0.18	34.81
1930	Shell-Thick	SLU-STATICA	5.0486	24.4729	0.18	33.91
1930	Shell-Thick	SLU-STATICA	4.0557	19.3726	-0.71	33.91
1930	Shell-Thick	SLU-SISMICA	7.1123	35.4864	-0.90	54.54
1930	Shell-Thick	SLU-SISMICA	8.5114	43.6670	0.26	54.54
1930	Shell-Thick	SLU-SISMICA	8.6380	42.0799	0.26	53.38
1930	Shell-Thick	SLU-SISMICA	7.0812	34.0579	-0.90	53.38
1930	Shell-Thick	SLE-RARA	2.9355	14.6325	-0.53	25.39
1930	Shell-Thick	SLE-RARA	3.5742	18.4377	0.13	25.39
1930	Shell-Thick	SLE-RARA	3.6467	17.6668	0.13	24.73
1930	Shell-Thick	SLE-RARA	2.9224	13.9477	-0.53	24.73
1930	Shell-Thick	SLE-FREQ.	2.6135	13.0244	-0.50	23.14
1930	Shell-Thick	SLE-FREQ.	3.1935	16.4922	0.12	23.14
1930	Shell-Thick	SLE-FREQ.	3.2618	15.7842	0.12	22.52
1930	Shell-Thick	SLE-FREQ.	2.6017	12.3969	-0.50	22.52
1930	Shell-Thick	SLE-QP	1.6472	8.2001	-0.42	16.40
1930	Shell-Thick	SLE-QP	2.0514	10.6557	9.455E-02	16.40
1930	Shell-Thick	SLE-QP	2.1071	10.1365	9.455E-02	15.89
1930	Shell-Thick	SLE-QP	1.6396	7.7447	-0.42	15.89
1931	Shell-Thick	SLU-STATICA	3.8255	19.3295	-0.60	33.91
1931	Shell-Thick	SLU-STATICA	4.7505	24.4102	0.16	33.91
1931	Shell-Thick	SLU-STATICA	4.8296	23.4903	0.16	33.16
1931	Shell-Thick	SLU-STATICA	3.8126	18.5023	-0.60	33.16
1931	Shell-Thick	SLU-SISMICA	6.7290	33.9898	-0.76	53.38
1931	Shell-Thick	SLU-SISMICA	8.2075	41.9914	0.23	53.38
1931	Shell-Thick	SLU-SISMICA	8.3097	40.5944	0.23	52.39
1931	Shell-Thick	SLU-SISMICA	6.7070	32.7176	-0.76	52.39
1931	Shell-Thick	SLE-RARA	2.7540	13.9163	-0.44	24.73
1931	Shell-Thick	SLE-RARA	3.4274	17.6206	0.11	24.73
1931	Shell-Thick	SLE-RARA	3.4862	16.9473	0.11	24.17
1931	Shell-Thick	SLE-RARA	2.7447	13.3116	-0.44	24.17
1931	Shell-Thick	SLE-FREQ.	2.4475	12.3684	-0.42	22.52
1931	Shell-Thick	SLE-FREQ.	3.0588	15.7413	0.11	22.52
1931	Shell-Thick	SLE-FREQ.	3.1143	15.1238	0.11	21.99
1931	Shell-Thick	SLE-FREQ.	2.4392	11.8152	-0.42	21.99
1931	Shell-Thick	SLE-QP	1.5280	7.7246	-0.35	15.89
1931	Shell-Thick	SLE-QP	1.9529	10.1034	8.019E-02	15.89
1931	Shell-Thick	SLE-QP	1.9984	9.6533	8.019E-02	15.46
1931	Shell-Thick	SLE-QP	1.5225	7.3258	-0.35	15.46
1932	Shell-Thick	SLU-STATICA	3.7107	18.4738	-0.50	33.14
1932	Shell-Thick	SLU-STATICA	4.5727	23.4470	0.14	33.14

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1932	Shell-Thick	SLU-STATICA	4.6447	22.6402	0.14	32.51
1932	Shell-Thick	SLU-STATICA	3.6924	17.7576	-0.50	32.51
1932	Shell-Thick	SLU-SISMICA	6.5573	32.6728	-0.63	52.37
1932	Shell-Thick	SLU-SISMICA	7.9361	40.5346	0.20	52.37
1932	Shell-Thick	SLU-SISMICA	8.0311	39.3014	0.20	51.53
1932	Shell-Thick	SLU-SISMICA	6.5268	31.5656	-0.63	51.53
1932	Shell-Thick	SLE-RARA	2.6699	13.2908	-0.37	24.16
1932	Shell-Thick	SLE-RARA	3.2974	16.9153	0.10	24.16
1932	Shell-Thick	SLE-RARA	3.3507	16.3252	0.10	23.69
1932	Shell-Thick	SLE-RARA	2.6567	12.7677	-0.37	23.69
1932	Shell-Thick	SLE-FREQ.	2.3701	11.7962	-0.35	21.98
1932	Shell-Thick	SLE-FREQ.	2.9397	15.0940	9.376E-02	21.98
1932	Shell-Thick	SLE-FREQ.	2.9898	14.5535	9.376E-02	21.54
1932	Shell-Thick	SLE-FREQ.	2.3582	11.3181	-0.35	21.54
1932	Shell-Thick	SLE-QP	1.4708	7.3125	-0.29	15.45
1932	Shell-Thick	SLE-QP	1.8666	9.6300	7.049E-02	15.45
1932	Shell-Thick	SLE-QP	1.9071	9.2382	7.049E-02	15.10
1932	Shell-Thick	SLE-QP	1.4629	6.9694	-0.29	15.10
1933	Shell-Thick	SLU-STATICA	3.5256	17.7220	-0.41	32.50
1933	Shell-Thick	SLU-STATICA	4.4212	22.5978	0.12	32.50
1933	Shell-Thick	SLU-STATICA	4.4795	21.9057	0.12	31.97
1933	Shell-Thick	SLU-STATICA	3.5116	17.1026	-0.41	31.97
1933	Shell-Thick	SLU-SISMICA	6.2696	31.5090	-0.53	51.52
1933	Shell-Thick	SLU-SISMICA	7.7037	39.2411	0.17	51.52
1933	Shell-Thick	SLU-SISMICA	7.7803	38.1788	0.17	50.82
1933	Shell-Thick	SLU-SISMICA	6.2462	30.5472	-0.53	50.82
1933	Shell-Thick	SLE-RARA	2.5348	12.7417	-0.31	23.68
1933	Shell-Thick	SLE-RARA	3.1866	16.2940	8.548E-02	23.68
1933	Shell-Thick	SLE-RARA	3.2298	15.7880	8.548E-02	23.29
1933	Shell-Thick	SLE-RARA	2.5246	12.2895	-0.31	23.29
1933	Shell-Thick	SLE-FREQ.	2.2468	11.2945	-0.29	21.53
1933	Shell-Thick	SLE-FREQ.	2.8382	14.5245	7.890E-02	21.53
1933	Shell-Thick	SLE-FREQ.	2.8789	14.0614	7.890E-02	21.16
1933	Shell-Thick	SLE-FREQ.	2.2376	10.8815	-0.29	21.16
1933	Shell-Thick	SLE-QP	1.3828	6.9529	-0.24	15.09
1933	Shell-Thick	SLE-QP	1.7932	9.2160	5.917E-02	15.09
1933	Shell-Thick	SLE-QP	1.8263	8.8815	5.917E-02	14.79
1933	Shell-Thick	SLE-QP	1.3767	6.6578	-0.24	14.79
1934	Shell-Thick	SLU-STATICA	3.4313	17.0773	-0.34	31.96
1934	Shell-Thick	SLU-STATICA	4.2894	21.8770	0.10	31.96
1934	Shell-Thick	SLU-STATICA	4.3420	21.2801	0.10	31.52
1934	Shell-Thick	SLU-STATICA	3.4140	16.5507	-0.34	31.52
1934	Shell-Thick	SLU-SISMICA	6.1250	30.5068	-0.43	50.80
1934	Shell-Thick	SLU-SISMICA	7.5005	38.1389	0.15	50.80
1934	Shell-Thick	SLU-SISMICA	7.5711	37.2191	0.15	50.22
1934	Shell-Thick	SLU-SISMICA	6.0963	29.6869	-0.43	50.22
1934	Shell-Thick	SLE-RARA	2.4658	12.2710	-0.25	23.28
1934	Shell-Thick	SLE-RARA	3.0902	15.7668	7.484E-02	23.28
1934	Shell-Thick	SLE-RARA	3.1292	15.3306	7.484E-02	22.95
1934	Shell-Thick	SLE-RARA	2.4532	11.8866	-0.25	22.95
1934	Shell-Thick	SLE-FREQ.	2.1836	10.8648	-0.24	21.15
1934	Shell-Thick	SLE-FREQ.	2.7502	14.0416	6.899E-02	21.15
1934	Shell-Thick	SLE-FREQ.	2.7867	13.6427	6.899E-02	20.85
1934	Shell-Thick	SLE-FREQ.	2.1723	10.5140	-0.24	20.85
1934	Shell-Thick	SLE-QP	1.3371	6.6461	-0.20	14.79
1934	Shell-Thick	SLE-QP	1.7299	8.8661	5.142E-02	14.79
1934	Shell-Thick	SLE-QP	1.7591	8.5791	5.142E-02	14.54
1934	Shell-Thick	SLE-QP	1.3295	6.3961	-0.20	14.54
1935	Shell-Thick	SLU-STATICA	3.3003	16.5221	-0.28	31.51
1935	Shell-Thick	SLU-STATICA	4.1790	21.2533	8.490E-02	31.51
1935	Shell-Thick	SLU-STATICA	4.2217	20.7501	8.490E-02	31.15
1935	Shell-Thick	SLU-STATICA	3.2864	16.0756	-0.28	31.15
1935	Shell-Thick	SLU-SISMICA	5.9211	29.6413	-0.35	50.20
1935	Shell-Thick	SLU-SISMICA	7.3301	37.1815	0.13	50.20
1935	Shell-Thick	SLU-SISMICA	7.3871	36.4043	0.13	49.72
1935	Shell-Thick	SLU-SISMICA	5.8980	28.9446	-0.35	49.72
1935	Shell-Thick	SLE-RARA	2.3702	11.8658	-0.21	22.94
1935	Shell-Thick	SLE-RARA	3.0096	15.3109	6.230E-02	22.94
1935	Shell-Thick	SLE-RARA	3.0412	14.9432	6.230E-02	22.67

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1935	Shell-Thick	SLE-RARA	2.3601	11.5400	-0.21	22.67
1935	Shell-Thick	SLE-FREQ.	2.0964	10.4951	-0.19	20.84
1935	Shell-Thick	SLE-FREQ.	2.6764	13.6244	5.741E-02	20.84
1935	Shell-Thick	SLE-FREQ.	2.7061	13.2882	5.741E-02	20.59
1935	Shell-Thick	SLE-FREQ.	2.0873	10.1978	-0.19	20.59
1935	Shell-Thick	SLE-QP	1.2749	6.3829	-0.16	14.54
1935	Shell-Thick	SLE-QP	1.6770	8.5649	4.273E-02	14.54
1935	Shell-Thick	SLE-QP	1.7007	8.3234	4.273E-02	14.33
1935	Shell-Thick	SLE-QP	1.2688	6.1715	-0.16	14.33
1936	Shell-Thick	SLU-STATICA	3.2226	16.0533	-0.22	31.13
1936	Shell-Thick	SLU-STATICA	4.0842	20.7321	7.395E-02	31.13
1936	Shell-Thick	SLU-STATICA	4.1228	20.3030	7.395E-02	30.83
1936	Shell-Thick	SLU-STATICA	3.2063	15.6794	-0.22	30.83
1936	Shell-Thick	SLU-SISMICA	5.7994	28.9086	-0.28	49.69
1936	Shell-Thick	SLU-SISMICA	7.1830	36.3797	0.11	49.69
1936	Shell-Thick	SLU-SISMICA	7.2360	35.7153	0.11	49.30
1936	Shell-Thick	SLU-SISMICA	5.7723	28.3246	-0.28	49.30
1936	Shell-Thick	SLE-RARA	2.3135	11.5237	-0.17	22.66
1936	Shell-Thick	SLE-RARA	2.9404	14.9299	5.422E-02	22.66
1936	Shell-Thick	SLE-RARA	2.9689	14.6165	5.422E-02	22.44
1936	Shell-Thick	SLE-RARA	2.3017	11.2509	-0.17	22.44
1936	Shell-Thick	SLE-FREQ.	2.0447	10.1831	-0.16	20.58
1936	Shell-Thick	SLE-FREQ.	2.6132	13.2758	4.989E-02	20.58
1936	Shell-Thick	SLE-FREQ.	2.6399	12.9895	4.989E-02	20.37
1936	Shell-Thick	SLE-FREQ.	2.0341	9.9343	-0.16	20.37
1936	Shell-Thick	SLE-QP	1.2383	6.1613	-0.13	14.33
1936	Shell-Thick	SLE-QP	1.6317	8.3137	3.690E-02	14.33
1936	Shell-Thick	SLE-QP	1.6527	8.1085	3.690E-02	14.16
1936	Shell-Thick	SLE-QP	1.2312	5.9845	-0.13	14.16
1937	Shell-Thick	SLU-STATICA	3.1354	15.6568	-0.18	30.82
1937	Shell-Thick	SLU-STATICA	4.0061	20.2881	6.126E-02	30.82
1937	Shell-Thick	SLU-STATICA	4.0374	19.9290	6.126E-02	30.58
1937	Shell-Thick	SLU-STATICA	3.1218	15.3427	-0.18	30.58
1937	Shell-Thick	SLU-SISMICA	5.6647	28.2883	-0.23	49.28
1937	Shell-Thick	SLU-SISMICA	7.0619	35.6953	9.157E-02	49.28
1937	Shell-Thick	SLU-SISMICA	7.1049	35.1386	9.157E-02	48.96
1937	Shell-Thick	SLU-SISMICA	5.6421	27.7973	-0.23	48.96
1937	Shell-Thick	SLE-RARA	2.2498	11.2344	-0.13	22.43
1937	Shell-Thick	SLE-RARA	2.8833	14.6055	4.490E-02	22.43
1937	Shell-Thick	SLE-RARA	2.9064	14.3432	4.490E-02	22.26
1937	Shell-Thick	SLE-RARA	2.2400	11.0052	-0.13	22.26
1937	Shell-Thick	SLE-FREQ.	1.9865	9.9193	-0.13	20.36
1937	Shell-Thick	SLE-FREQ.	2.5611	12.9792	4.131E-02	20.36
1937	Shell-Thick	SLE-FREQ.	2.5827	12.7396	4.131E-02	20.20
1937	Shell-Thick	SLE-FREQ.	1.9776	9.7104	-0.13	20.20
1937	Shell-Thick	SLE-QP	1.1965	5.9741	-0.10	14.15
1937	Shell-Thick	SLE-QP	1.5944	8.1003	3.051E-02	14.15
1937	Shell-Thick	SLE-QP	1.6114	7.9288	3.051E-02	14.02
1937	Shell-Thick	SLE-QP	1.1905	5.8257	-0.10	14.02
1938	Shell-Thick	SLU-STATICA	3.0663	15.3220	-0.14	30.57
1938	Shell-Thick	SLU-STATICA	3.9381	19.9188	5.438E-02	30.57
1938	Shell-Thick	SLU-STATICA	3.9672	19.6081	5.438E-02	30.37
1938	Shell-Thick	SLU-STATICA	3.0500	15.0568	-0.14	30.37
1938	Shell-Thick	SLU-SISMICA	5.5536	27.7634	-0.18	48.94
1938	Shell-Thick	SLU-SISMICA	6.9560	35.1251	8.229E-02	48.94
1938	Shell-Thick	SLU-SISMICA	6.9973	34.6412	8.229E-02	48.68
1938	Shell-Thick	SLU-SISMICA	5.5263	27.3483	-0.18	48.68
1938	Shell-Thick	SLE-RARA	2.1995	10.9902	-0.10	22.25
1938	Shell-Thick	SLE-RARA	2.8337	14.3356	3.982E-02	22.25
1938	Shell-Thick	SLE-RARA	2.8552	14.1088	3.982E-02	22.10
1938	Shell-Thick	SLE-RARA	2.1878	10.7967	-0.10	22.10
1938	Shell-Thick	SLE-FREQ.	1.9409	9.6968	-9.884E-02	20.19
1938	Shell-Thick	SLE-FREQ.	2.5158	12.7325	3.654E-02	20.19
1938	Shell-Thick	SLE-FREQ.	2.5358	12.5255	3.654E-02	20.05
1938	Shell-Thick	SLE-FREQ.	1.9303	9.5204	-9.884E-02	20.05
1938	Shell-Thick	SLE-QP	1.1649	5.8165	-8.236E-02	14.01
1938	Shell-Thick	SLE-QP	1.5622	7.9230	2.671E-02	14.01
1938	Shell-Thick	SLE-QP	1.5775	7.7755	2.671E-02	13.90
1938	Shell-Thick	SLE-QP	1.1580	5.6914	-8.236E-02	13.90

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1939	Shell-Thick	SLU-STATICA	3.0126	15.0380	-0.11	30.35
1939	Shell-Thick	SLU-STATICA	3.8817	19.6024	4.615E-02	30.35
1939	Shell-Thick	SLU-STATICA	3.9054	19.3331	4.615E-02	30.20
1939	Shell-Thick	SLU-STATICA	2.9984	14.8067	-0.11	30.20
1939	Shell-Thick	SLU-SISMICA	5.4727	27.3178	-0.14	48.65
1939	Shell-Thick	SLU-SISMICA	6.8680	34.6352	7.032E-02	48.65
1939	Shell-Thick	SLU-SISMICA	6.9018	34.2138	7.032E-02	48.45
1939	Shell-Thick	SLU-SISMICA	5.4487	26.9544	-0.14	48.45
1939	Shell-Thick	SLE-RARA	2.1602	10.7830	-8.081E-02	22.09
1939	Shell-Thick	SLE-RARA	2.7926	14.1045	3.376E-02	22.09
1939	Shell-Thick	SLE-RARA	2.8099	13.9080	3.376E-02	21.97
1939	Shell-Thick	SLE-RARA	2.1499	10.6144	-8.081E-02	21.97
1939	Shell-Thick	SLE-FREQ.	1.9048	9.5080	-7.662E-02	20.04
1939	Shell-Thick	SLE-FREQ.	2.4783	12.5213	3.095E-02	20.04
1939	Shell-Thick	SLE-FREQ.	2.4944	12.3422	3.095E-02	19.93
1939	Shell-Thick	SLE-FREQ.	1.8955	9.3543	-7.662E-02	19.93
1939	Shell-Thick	SLE-QP	1.1385	5.6828	-6.408E-02	13.90
1939	Shell-Thick	SLE-QP	1.5355	7.7718	2.249E-02	13.90
1939	Shell-Thick	SLE-QP	1.5478	7.6447	2.249E-02	13.81
1939	Shell-Thick	SLE-QP	1.1324	5.5742	-6.408E-02	13.81
1940	Shell-Thick	SLU-STATICA	2.9309	14.7835	-7.579E-02	30.19
1940	Shell-Thick	SLU-STATICA	3.8276	19.3272	4.533E-02	30.19
1940	Shell-Thick	SLU-STATICA	3.8509	19.0651	4.533E-02	30.07
1940	Shell-Thick	SLU-STATICA	2.9121	14.5636	-7.579E-02	30.07
1940	Shell-Thick	SLU-SISMICA	5.3355	26.9153	-9.068E-02	48.42
1940	Shell-Thick	SLU-SISMICA	6.7819	34.2064	7.105E-02	48.42
1940	Shell-Thick	SLU-SISMICA	6.8171	33.7886	7.105E-02	48.26
1940	Shell-Thick	SLU-SISMICA	5.3033	26.5650	-9.068E-02	48.26
1940	Shell-Thick	SLE-RARA	2.1011	10.5976	-5.669E-02	21.96
1940	Shell-Thick	SLE-RARA	2.7531	13.9037	3.307E-02	21.96
1940	Shell-Thick	SLE-RARA	2.7702	13.7128	3.307E-02	21.87
1940	Shell-Thick	SLE-RARA	2.0875	10.4375	-5.669E-02	21.87
1940	Shell-Thick	SLE-FREQ.	1.8517	9.3393	-5.407E-02	19.92
1940	Shell-Thick	SLE-FREQ.	2.4424	12.3381	3.014E-02	19.92
1940	Shell-Thick	SLE-FREQ.	2.4581	12.1647	3.014E-02	19.84
1940	Shell-Thick	SLE-FREQ.	1.8395	9.1938	-5.407E-02	19.84
1940	Shell-Thick	SLE-QP	1.1034	5.5644	-4.620E-02	13.80
1940	Shell-Thick	SLE-QP	1.5104	7.6413	2.135E-02	13.80
1940	Shell-Thick	SLE-QP	1.5219	7.5204	2.135E-02	13.74
1940	Shell-Thick	SLE-QP	1.0956	5.4629	-4.620E-02	13.74
1941	Shell-Thick	SLU-STATICA	2.8936	14.5442	-5.145E-02	30.04
1941	Shell-Thick	SLU-STATICA	3.7762	19.0659	4.413E-02	30.04
1941	Shell-Thick	SLU-STATICA	3.7951	18.7903	4.413E-02	29.95
1941	Shell-Thick	SLU-STATICA	2.8758	14.3055	-5.145E-02	29.95
1941	Shell-Thick	SLU-SISMICA	5.2786	26.5325	-5.920E-02	48.22
1941	Shell-Thick	SLU-SISMICA	6.6989	33.7925	7.106E-02	48.22
1941	Shell-Thick	SLU-SISMICA	6.7280	33.3418	7.106E-02	48.09
1941	Shell-Thick	SLU-SISMICA	5.2478	26.1419	-5.920E-02	48.09
1941	Shell-Thick	SLE-RARA	2.0738	10.4234	-3.860E-02	21.86
1941	Shell-Thick	SLE-RARA	2.7157	13.7132	3.209E-02	21.86
1941	Shell-Thick	SLE-RARA	2.7295	13.5131	3.209E-02	21.79
1941	Shell-Thick	SLE-RARA	2.0609	10.2501	-3.860E-02	21.79
1941	Shell-Thick	SLE-FREQ.	1.8267	9.1812	-3.701E-02	19.83
1941	Shell-Thick	SLE-FREQ.	2.4086	12.1648	2.909E-02	19.83
1941	Shell-Thick	SLE-FREQ.	2.4212	11.9841	2.909E-02	19.76
1941	Shell-Thick	SLE-FREQ.	1.8152	9.0246	-3.701E-02	19.76
1941	Shell-Thick	SLE-QP	1.0853	5.4545	-3.224E-02	13.73
1941	Shell-Thick	SLE-QP	1.4871	7.5197	2.007E-02	13.73
1941	Shell-Thick	SLE-QP	1.4962	7.3969	2.007E-02	13.68
1941	Shell-Thick	SLE-QP	1.0779	5.3482	-3.224E-02	13.68
1942	Shell-Thick	SLU-STATICA	2.7076	14.2653	-1.383E-02	29.94
1942	Shell-Thick	SLU-STATICA	3.7051	18.7788	6.036E-02	29.94
1942	Shell-Thick	SLU-STATICA	3.7261	18.3772	6.036E-02	29.86
1942	Shell-Thick	SLU-STATICA	2.6796	13.9128	-1.383E-02	29.86
1942	Shell-Thick	SLU-SISMICA	4.9476	26.0710	-2.188E-03	48.08
1942	Shell-Thick	SLU-SISMICA	6.5784	33.3228	0.10	48.08
1942	Shell-Thick	SLU-SISMICA	6.6129	32.6341	0.10	47.97
1942	Shell-Thick	SLU-SISMICA	4.8980	25.4665	-2.188E-03	47.97
1942	Shell-Thick	SLE-RARA	1.9400	10.2212	-1.106E-02	21.78

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1942	Shell-Thick	SLE-RARA	2.6643	13.5048	4.363E-02	21.78
1942	Shell-Thick	SLE-RARA	2.6796	13.2148	4.363E-02	21.73
1942	Shell-Thick	SLE-RARA	1.9199	9.9666	-1.106E-02	21.73
1942	Shell-Thick	SLE-FREQ.	1.7081	8.9990	-1.175E-02	19.75
1942	Shell-Thick	SLE-FREQ.	2.3625	11.9765	3.909E-02	19.75
1942	Shell-Thick	SLE-FREQ.	2.3763	11.7173	3.909E-02	19.70
1942	Shell-Thick	SLE-FREQ.	1.6902	8.7714	-1.175E-02	19.70
1942	Shell-Thick	SLE-QP	1.0124	5.3323	-1.380E-02	13.67
1942	Shell-Thick	SLE-QP	1.4570	7.3919	2.545E-02	13.67
1942	Shell-Thick	SLE-QP	1.4663	7.2248	2.545E-02	13.63
1942	Shell-Thick	SLE-QP	1.0013	5.1857	-1.380E-02	13.63
1943	Shell-Thick	SLU-STATICA	2.5346	13.8690	3.371E-03	29.84
1943	Shell-Thick	SLU-STATICA	3.5938	18.3655	9.334E-02	29.84
1943	Shell-Thick	SLU-STATICA	3.6096	17.6515	9.334E-02	29.75
1943	Shell-Thick	SLU-STATICA	2.5043	13.2011	3.371E-03	29.75
1943	Shell-Thick	SLU-SISMICA	4.6280	25.3870	2.089E-02	47.94
1943	Shell-Thick	SLU-SISMICA	6.3816	32.6133	0.17	47.94
1943	Shell-Thick	SLU-SISMICA	6.4082	31.3356	0.17	47.79
1943	Shell-Thick	SLU-SISMICA	4.5734	24.1906	2.089E-02	47.79
1943	Shell-Thick	SLE-RARA	1.8162	9.9352	1.682E-03	21.71
1943	Shell-Thick	SLE-RARA	2.5843	13.2064	6.710E-02	21.71
1943	Shell-Thick	SLE-RARA	2.5957	12.6935	6.710E-02	21.65
1943	Shell-Thick	SLE-RARA	1.7945	9.4554	1.682E-03	21.65
1943	Shell-Thick	SLE-FREQ.	1.5994	8.7437	2.012E-04	19.69
1943	Shell-Thick	SLE-FREQ.	2.2915	11.7099	5.947E-02	19.69
1943	Shell-Thick	SLE-FREQ.	2.3017	11.2559	5.947E-02	19.63
1943	Shell-Thick	SLE-FREQ.	1.5802	8.3191	2.012E-04	19.63
1943	Shell-Thick	SLE-QP	0.9489	5.1691	-4.241E-03	13.62
1943	Shell-Thick	SLE-QP	1.4130	7.2203	3.657E-02	13.62
1943	Shell-Thick	SLE-QP	1.4197	6.9433	3.657E-02	13.58
1943	Shell-Thick	SLE-QP	0.9374	4.9103	-4.241E-03	13.58
1944	Shell-Thick	SLU-STATICA	1.1390	13.0049	0.11	29.84
1944	Shell-Thick	SLU-STATICA	3.2987	17.5125	0.22	29.84
1944	Shell-Thick	SLU-STATICA	3.3235	15.5985	0.22	29.74
1944	Shell-Thick	SLU-STATICA	1.0689	11.1626	0.11	29.74
1944	Shell-Thick	SLU-SISMICA	2.0841	23.8331	0.21	47.95
1944	Shell-Thick	SLU-SISMICA	5.8450	31.0825	0.40	47.95
1944	Shell-Thick	SLU-SISMICA	5.8891	27.5876	0.40	47.78
1944	Shell-Thick	SLU-SISMICA	1.9565	20.4680	0.21	47.78
1944	Shell-Thick	SLE-RARA	0.8160	9.3148	8.134E-02	21.71
1944	Shell-Thick	SLE-RARA	2.3727	12.5938	0.16	21.71
1944	Shell-Thick	SLE-RARA	2.3905	11.2223	0.16	21.64
1944	Shell-Thick	SLE-RARA	0.7657	7.9947	8.134E-02	21.64
1944	Shell-Thick	SLE-FREQ.	0.7182	8.1952	7.116E-02	19.68
1944	Shell-Thick	SLE-FREQ.	2.1050	11.1681	0.14	19.68
1944	Shell-Thick	SLE-FREQ.	2.1207	9.9603	0.14	19.62
1944	Shell-Thick	SLE-FREQ.	0.6739	7.0329	7.116E-02	19.62
1944	Shell-Thick	SLE-QP	0.4248	4.8366	4.061E-02	13.61
1944	Shell-Thick	SLE-QP	1.3017	6.8909	8.172E-02	13.61
1944	Shell-Thick	SLE-QP	1.3113	6.1744	8.172E-02	13.58
1944	Shell-Thick	SLE-QP	0.3984	4.1473	4.061E-02	13.58

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
1	GLOBAL	Cartesian	5.68151	0.00000	2.34996	No	5.68151
2	GLOBAL	Cartesian	0.15000	0.00000	5.54996	No	0.15000
3	GLOBAL	Cartesian	7.70029	0.00000	2.34996	No	7.70029
4	GLOBAL	Cartesian	1.831E-06	0.00000	2.34996	No	1.831E-06
5	GLOBAL	Cartesian	9.42888	0.00000	1.34996	No	9.42888
6	GLOBAL	Cartesian	12.28664	0.00000	1.34996	No	12.28664
7	GLOBAL	Cartesian	12.28664	0.00000	-4.218E-05	No	12.28664
8	GLOBAL	Cartesian	1.831E-06	0.00000	5.54996	No	1.831E-06
9	GLOBAL	Cartesian	1.831E-06	0.00000	1.49996	No	1.831E-06
10	GLOBAL	Cartesian	3.00000	0.00000	1.49996	No	3.00000
11	GLOBAL	Cartesian	3.00000	0.00000	-4.218E-05	No	3.00000



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12	GLOBAL	Cartesian	0.15000	0.00000	1.49996	No	0.15000
13	GLOBAL	Cartesian	0.30000	0.00000	1.49996	No	0.30000
14	GLOBAL	Cartesian	0.30000	0.00000	5.46318	No	0.30000
15	GLOBAL	Cartesian	0.45000	0.00000	1.49996	No	0.45000
16	GLOBAL	Cartesian	0.45000	0.00000	5.37641	No	0.45000
17	GLOBAL	Cartesian	0.60000	0.00000	1.49996	No	0.60000
18	GLOBAL	Cartesian	0.60000	0.00000	5.28963	No	0.60000
19	GLOBAL	Cartesian	0.75000	0.00000	1.49996	No	0.75000
20	GLOBAL	Cartesian	0.75000	0.00000	5.20286	No	0.75000
21	GLOBAL	Cartesian	0.90000	0.00000	1.49996	No	0.90000
22	GLOBAL	Cartesian	0.90000	0.00000	5.11608	No	0.90000
23	GLOBAL	Cartesian	1.05000	0.00000	1.49996	No	1.05000
24	GLOBAL	Cartesian	1.05000	0.00000	5.02930	No	1.05000
25	GLOBAL	Cartesian	1.20000	0.00000	1.49996	No	1.20000
26	GLOBAL	Cartesian	1.20000	0.00000	4.94253	No	1.20000
27	GLOBAL	Cartesian	1.35000	0.00000	1.49996	No	1.35000
28	GLOBAL	Cartesian	1.35000	0.00000	4.85575	No	1.35000
29	GLOBAL	Cartesian	1.50000	0.00000	1.49996	No	1.50000
30	GLOBAL	Cartesian	1.50000	0.00000	4.76898	No	1.50000
31	GLOBAL	Cartesian	1.65000	0.00000	1.49996	No	1.65000
32	GLOBAL	Cartesian	1.65000	0.00000	4.68220	No	1.65000
33	GLOBAL	Cartesian	1.80000	0.00000	1.49996	No	1.80000
34	GLOBAL	Cartesian	1.80000	0.00000	4.59543	No	1.80000
35	GLOBAL	Cartesian	1.95000	0.00000	1.49996	No	1.95000
36	GLOBAL	Cartesian	1.95000	0.00000	4.50865	No	1.95000
37	GLOBAL	Cartesian	2.10000	0.00000	1.49996	No	2.10000
38	GLOBAL	Cartesian	2.10000	0.00000	4.42187	No	2.10000
39	GLOBAL	Cartesian	2.25000	0.00000	1.49996	No	2.25000
40	GLOBAL	Cartesian	2.25000	0.00000	4.33510	No	2.25000
41	GLOBAL	Cartesian	2.40000	0.00000	1.49996	No	2.40000
42	GLOBAL	Cartesian	2.40000	0.00000	4.24832	No	2.40000
43	GLOBAL	Cartesian	2.55000	0.00000	1.49996	No	2.55000
44	GLOBAL	Cartesian	2.55000	0.00000	4.16155	No	2.55000
45	GLOBAL	Cartesian	2.70000	0.00000	1.49996	No	2.70000
46	GLOBAL	Cartesian	2.70000	0.00000	4.07477	No	2.70000
47	GLOBAL	Cartesian	2.85000	0.00000	1.49996	No	2.85000
48	GLOBAL	Cartesian	2.85000	0.00000	3.98800	No	2.85000
49	GLOBAL	Cartesian	3.00000	0.00000	3.90122	No	3.00000
50	GLOBAL	Cartesian	3.15000	0.00000	-4.218E-05	No	3.15000
51	GLOBAL	Cartesian	3.15000	0.00000	3.81444	No	3.15000
52	GLOBAL	Cartesian	3.30000	0.00000	-4.218E-05	No	3.30000
53	GLOBAL	Cartesian	3.30000	0.00000	3.72767	No	3.30000
54	GLOBAL	Cartesian	3.45000	0.00000	-4.218E-05	No	3.45000
55	GLOBAL	Cartesian	3.45000	0.00000	3.64089	No	3.45000
56	GLOBAL	Cartesian	3.60000	0.00000	-4.218E-05	No	3.60000
57	GLOBAL	Cartesian	3.60000	0.00000	3.55412	No	3.60000
58	GLOBAL	Cartesian	3.75000	0.00000	-4.218E-05	No	3.75000
59	GLOBAL	Cartesian	3.71417	0.00000	3.48807	No	3.71417
60	GLOBAL	Cartesian	3.90000	0.00000	-4.218E-05	No	3.90000
61	GLOBAL	Cartesian	3.90000	0.00000	3.38057	No	3.90000
62	GLOBAL	Cartesian	4.05000	0.00000	-4.218E-05	No	4.05000
63	GLOBAL	Cartesian	4.05000	0.00000	3.29379	No	4.05000
64	GLOBAL	Cartesian	4.20000	0.00000	-4.218E-05	No	4.20000
65	GLOBAL	Cartesian	4.20000	0.00000	3.20702	No	4.20000
66	GLOBAL	Cartesian	4.35000	0.00000	-4.218E-05	No	4.35000
67	GLOBAL	Cartesian	4.35000	0.00000	3.12024	No	4.35000
68	GLOBAL	Cartesian	4.50000	0.00000	-4.218E-05	No	4.50000
69	GLOBAL	Cartesian	4.50000	0.00000	3.03346	No	4.50000
70	GLOBAL	Cartesian	4.65000	0.00000	-4.218E-05	No	4.65000
71	GLOBAL	Cartesian	4.65000	0.00000	2.94669	No	4.65000
72	GLOBAL	Cartesian	4.80000	0.00000	-4.218E-05	No	4.80000
73	GLOBAL	Cartesian	4.80000	0.00000	2.85991	No	4.80000
74	GLOBAL	Cartesian	4.95000	0.00000	-4.218E-05	No	4.95000
75	GLOBAL	Cartesian	4.95000	0.00000	2.77314	No	4.95000
76	GLOBAL	Cartesian	5.10000	0.00000	-4.218E-05	No	5.10000
77	GLOBAL	Cartesian	5.10000	0.00000	2.68636	No	5.10000
78	GLOBAL	Cartesian	5.25000	0.00000	-4.218E-05	No	5.25000
79	GLOBAL	Cartesian	5.25000	0.00000	2.59959	No	5.25000
80	GLOBAL	Cartesian	5.40000	0.00000	-4.218E-05	No	5.40000



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81	GLOBAL	Cartesian	5.40000	0.00000	2.51281	No	5.40000
82	GLOBAL	Cartesian	5.55000	0.00000	-4.218E-05	No	5.55000
83	GLOBAL	Cartesian	5.55000	0.00000	2.42603	No	5.55000
84	GLOBAL	Cartesian	5.79090	0.00000	-4.218E-05	No	5.79090
85	GLOBAL	Cartesian	5.79090	0.00000	2.34996	No	5.79090
86	GLOBAL	Cartesian	5.90029	0.00000	-4.218E-05	No	5.90029
87	GLOBAL	Cartesian	5.90029	0.00000	2.34996	No	5.90029
88	GLOBAL	Cartesian	6.05029	0.00000	-4.218E-05	No	6.05029
89	GLOBAL	Cartesian	6.05029	0.00000	2.34996	No	6.05029
90	GLOBAL	Cartesian	6.20029	0.00000	-4.218E-05	No	6.20029
91	GLOBAL	Cartesian	6.20029	0.00000	2.34996	No	6.20029
92	GLOBAL	Cartesian	6.35029	0.00000	-4.218E-05	No	6.35029
93	GLOBAL	Cartesian	6.35029	0.00000	2.34996	No	6.35029
94	GLOBAL	Cartesian	6.50029	0.00000	-4.218E-05	No	6.50029
95	GLOBAL	Cartesian	6.50029	0.00000	2.34996	No	6.50029
96	GLOBAL	Cartesian	6.65029	0.00000	-4.218E-05	No	6.65029
97	GLOBAL	Cartesian	6.65029	0.00000	2.34996	No	6.65029
98	GLOBAL	Cartesian	6.80029	0.00000	-4.218E-05	No	6.80029
99	GLOBAL	Cartesian	6.80029	0.00000	2.34996	No	6.80029
100	GLOBAL	Cartesian	6.95029	0.00000	-4.218E-05	No	6.95029
101	GLOBAL	Cartesian	6.95029	0.00000	2.34996	No	6.95029
102	GLOBAL	Cartesian	7.10029	0.00000	-4.218E-05	No	7.10029
103	GLOBAL	Cartesian	7.10029	0.00000	2.34996	No	7.10029
104	GLOBAL	Cartesian	7.25029	0.00000	-4.218E-05	No	7.25029
105	GLOBAL	Cartesian	7.25029	0.00000	2.34996	No	7.25029
106	GLOBAL	Cartesian	7.40029	0.00000	-4.218E-05	No	7.40029
107	GLOBAL	Cartesian	7.40029	0.00000	2.34996	No	7.40029
108	GLOBAL	Cartesian	7.55029	0.00000	-4.218E-05	No	7.55029
109	GLOBAL	Cartesian	7.55029	0.00000	2.34996	No	7.55029
110	GLOBAL	Cartesian	7.70029	0.00000	-4.218E-05	No	7.70029
111	GLOBAL	Cartesian	7.80000	0.00000	-4.218E-05	No	7.80000
112	GLOBAL	Cartesian	7.80000	0.00000	2.29227	No	7.80000
113	GLOBAL	Cartesian	7.95000	0.00000	-4.218E-05	No	7.95000
114	GLOBAL	Cartesian	7.95000	0.00000	2.20550	No	7.95000
115	GLOBAL	Cartesian	8.10000	0.00000	-4.218E-05	No	8.10000
116	GLOBAL	Cartesian	8.10000	0.00000	2.11872	No	8.10000
117	GLOBAL	Cartesian	8.25000	0.00000	-4.218E-05	No	8.25000
118	GLOBAL	Cartesian	8.25000	0.00000	2.03195	No	8.25000
119	GLOBAL	Cartesian	8.40000	0.00000	-4.218E-05	No	8.40000
120	GLOBAL	Cartesian	8.40000	0.00000	1.94517	No	8.40000
121	GLOBAL	Cartesian	8.55000	0.00000	-4.218E-05	No	8.55000
122	GLOBAL	Cartesian	8.55000	0.00000	1.85839	No	8.55000
123	GLOBAL	Cartesian	8.70000	0.00000	-4.218E-05	No	8.70000
124	GLOBAL	Cartesian	8.70000	0.00000	1.77162	No	8.70000
125	GLOBAL	Cartesian	8.85000	0.00000	-4.218E-05	No	8.85000
126	GLOBAL	Cartesian	8.85000	0.00000	1.68484	No	8.85000
127	GLOBAL	Cartesian	9.00000	0.00000	-4.218E-05	No	9.00000
128	GLOBAL	Cartesian	9.00000	0.00000	1.59807	No	9.00000
129	GLOBAL	Cartesian	9.15000	0.00000	-4.218E-05	No	9.15000
130	GLOBAL	Cartesian	9.15000	0.00000	1.51129	No	9.15000
131	GLOBAL	Cartesian	9.30000	0.00000	-4.218E-05	No	9.30000
132	GLOBAL	Cartesian	9.30000	0.00000	1.42452	No	9.30000
133	GLOBAL	Cartesian	9.42888	0.00000	-4.218E-05	No	9.42888
134	GLOBAL	Cartesian	9.60000	0.00000	-4.218E-05	No	9.60000
135	GLOBAL	Cartesian	9.60000	0.00000	1.34996	No	9.60000
136	GLOBAL	Cartesian	9.75000	0.00000	-4.218E-05	No	9.75000
137	GLOBAL	Cartesian	9.75000	0.00000	1.34996	No	9.75000
138	GLOBAL	Cartesian	9.90000	0.00000	-4.218E-05	No	9.90000
139	GLOBAL	Cartesian	9.90000	0.00000	1.34996	No	9.90000
140	GLOBAL	Cartesian	10.05000	0.00000	-4.218E-05	No	10.05000
141	GLOBAL	Cartesian	10.05000	0.00000	1.34996	No	10.05000
142	GLOBAL	Cartesian	10.20000	0.00000	-4.218E-05	No	10.20000
143	GLOBAL	Cartesian	10.20000	0.00000	1.34996	No	10.20000
144	GLOBAL	Cartesian	10.35000	0.00000	-4.218E-05	No	10.35000
145	GLOBAL	Cartesian	10.35000	0.00000	1.34996	No	10.35000
146	GLOBAL	Cartesian	10.50000	0.00000	-4.218E-05	No	10.50000
147	GLOBAL	Cartesian	10.50000	0.00000	1.34996	No	10.50000
148	GLOBAL	Cartesian	10.65000	0.00000	-4.218E-05	No	10.65000
149	GLOBAL	Cartesian	10.65000	0.00000	1.34996	No	10.65000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

150	GLOBAL	Cartesian	10.80000	0.00000	-4.218E-05	No	10.80000
151	GLOBAL	Cartesian	10.80000	0.00000	1.34996	No	10.80000
152	GLOBAL	Cartesian	10.95000	0.00000	-4.218E-05	No	10.95000
153	GLOBAL	Cartesian	10.95000	0.00000	1.34996	No	10.95000
154	GLOBAL	Cartesian	11.10000	0.00000	-4.218E-05	No	11.10000
155	GLOBAL	Cartesian	11.10000	0.00000	1.34996	No	11.10000
156	GLOBAL	Cartesian	11.25000	0.00000	-4.218E-05	No	11.25000
157	GLOBAL	Cartesian	11.25000	0.00000	1.34996	No	11.25000
158	GLOBAL	Cartesian	11.40000	0.00000	-4.218E-05	No	11.40000
159	GLOBAL	Cartesian	11.40000	0.00000	1.34996	No	11.40000
160	GLOBAL	Cartesian	11.55000	0.00000	-4.218E-05	No	11.55000
161	GLOBAL	Cartesian	11.55000	0.00000	1.34996	No	11.55000
162	GLOBAL	Cartesian	11.70000	0.00000	-4.218E-05	No	11.70000
163	GLOBAL	Cartesian	11.70000	0.00000	1.34996	No	11.70000
164	GLOBAL	Cartesian	11.85000	0.00000	-4.218E-05	No	11.85000
165	GLOBAL	Cartesian	11.85000	0.00000	1.34996	No	11.85000
166	GLOBAL	Cartesian	12.00000	0.00000	-4.218E-05	No	12.00000
167	GLOBAL	Cartesian	12.00000	0.00000	1.34996	No	12.00000
168	GLOBAL	Cartesian	12.15000	0.00000	-4.218E-05	No	12.15000
169	GLOBAL	Cartesian	12.15000	0.00000	1.34996	No	12.15000
170	GLOBAL	Cartesian	12.28664	0.00000	0.14996	No	12.28664
171	GLOBAL	Cartesian	3.00000	0.00000	0.14996	No	3.00000
172	GLOBAL	Cartesian	12.28664	0.00000	0.29996	No	12.28664
173	GLOBAL	Cartesian	3.00000	0.00000	0.29996	No	3.00000
174	GLOBAL	Cartesian	12.28664	0.00000	0.44996	No	12.28664
175	GLOBAL	Cartesian	3.00000	0.00000	0.44996	No	3.00000
176	GLOBAL	Cartesian	12.28664	0.00000	0.59996	No	12.28664
177	GLOBAL	Cartesian	3.00000	0.00000	0.59996	No	3.00000
178	GLOBAL	Cartesian	12.28664	0.00000	0.74996	No	12.28664
179	GLOBAL	Cartesian	3.00000	0.00000	0.74996	No	3.00000
180	GLOBAL	Cartesian	12.28664	0.00000	0.89996	No	12.28664
181	GLOBAL	Cartesian	3.00000	0.00000	0.89996	No	3.00000
182	GLOBAL	Cartesian	12.28664	0.00000	1.04996	No	12.28664
183	GLOBAL	Cartesian	3.00000	0.00000	1.04996	No	3.00000
184	GLOBAL	Cartesian	12.28664	0.00000	1.19996	No	12.28664
185	GLOBAL	Cartesian	3.00000	0.00000	1.19996	No	3.00000
186	GLOBAL	Cartesian	3.00000	0.00000	1.34996	No	3.00000
187	GLOBAL	Cartesian	1.831E-06	0.00000	3.55000	No	1.831E-06
189	GLOBAL	Cartesian	1.831E-06	0.00000	5.20286	No	1.831E-06
190	GLOBAL	Cartesian	1.831E-06	0.00000	5.46318	No	1.831E-06
191	GLOBAL	Cartesian	1.831E-06	0.00000	5.37641	No	1.831E-06
192	GLOBAL	Cartesian	1.831E-06	0.00000	5.28963	No	1.831E-06
193	GLOBAL	Cartesian	1.831E-06	0.00000	5.11608	No	1.831E-06
194	GLOBAL	Cartesian	1.831E-06	0.00000	5.02930	No	1.831E-06
195	GLOBAL	Cartesian	1.831E-06	0.00000	4.94253	No	1.831E-06
196	GLOBAL	Cartesian	1.831E-06	0.00000	4.85575	No	1.831E-06
197	GLOBAL	Cartesian	1.831E-06	0.00000	4.76898	No	1.831E-06
198	GLOBAL	Cartesian	1.831E-06	0.00000	4.68220	No	1.831E-06
199	GLOBAL	Cartesian	1.831E-06	0.00000	4.59543	No	1.831E-06
200	GLOBAL	Cartesian	1.831E-06	0.00000	4.50865	No	1.831E-06
201	GLOBAL	Cartesian	1.831E-06	0.00000	4.42187	No	1.831E-06
202	GLOBAL	Cartesian	1.831E-06	0.00000	4.33510	No	1.831E-06
203	GLOBAL	Cartesian	1.831E-06	0.00000	4.24832	No	1.831E-06
204	GLOBAL	Cartesian	1.831E-06	0.00000	4.16155	No	1.831E-06
205	GLOBAL	Cartesian	1.831E-06	0.00000	4.07477	No	1.831E-06
206	GLOBAL	Cartesian	1.831E-06	0.00000	3.98800	No	1.831E-06
207	GLOBAL	Cartesian	1.831E-06	0.00000	3.90122	No	1.831E-06
208	GLOBAL	Cartesian	1.831E-06	0.00000	3.81444	No	1.831E-06
209	GLOBAL	Cartesian	1.831E-06	0.00000	3.72767	No	1.831E-06
210	GLOBAL	Cartesian	1.831E-06	0.00000	3.64089	No	1.831E-06
211	GLOBAL	Cartesian	1.831E-06	0.00000	3.38057	No	1.831E-06
212	GLOBAL	Cartesian	1.831E-06	0.00000	3.29379	No	1.831E-06
213	GLOBAL	Cartesian	1.831E-06	0.00000	3.20702	No	1.831E-06
214	GLOBAL	Cartesian	1.831E-06	0.00000	3.12024	No	1.831E-06
215	GLOBAL	Cartesian	1.831E-06	0.00000	3.03346	No	1.831E-06
216	GLOBAL	Cartesian	1.831E-06	0.00000	2.94669	No	1.831E-06
217	GLOBAL	Cartesian	1.831E-06	0.00000	2.85991	No	1.831E-06
218	GLOBAL	Cartesian	1.831E-06	0.00000	2.77314	No	1.831E-06
219	GLOBAL	Cartesian	1.831E-06	0.00000	2.68636	No	1.831E-06

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220	GLOBAL	Cartesian	1.831E-06	0.00000	2.59959	No	1.831E-06
221	GLOBAL	Cartesian	1.831E-06	0.00000	2.51281	No	1.831E-06
222	GLOBAL	Cartesian	1.831E-06	0.00000	2.42603	No	1.831E-06
223	GLOBAL	Cartesian	3.00000	0.00000	1.42452	No	3.00000
224	GLOBAL	Cartesian	3.15000	0.00000	1.51129	No	3.15000
225	GLOBAL	Cartesian	1.831E-06	0.00000	1.59807	No	1.831E-06
226	GLOBAL	Cartesian	1.831E-06	0.00000	1.68484	No	1.831E-06
227	GLOBAL	Cartesian	1.831E-06	0.00000	1.77162	No	1.831E-06
228	GLOBAL	Cartesian	1.831E-06	0.00000	1.85839	No	1.831E-06
229	GLOBAL	Cartesian	1.831E-06	0.00000	1.94517	No	1.831E-06
230	GLOBAL	Cartesian	1.831E-06	0.00000	2.03195	No	1.831E-06
231	GLOBAL	Cartesian	1.831E-06	0.00000	2.11872	No	1.831E-06
232	GLOBAL	Cartesian	1.831E-06	0.00000	2.20550	No	1.831E-06
233	GLOBAL	Cartesian	1.831E-06	0.00000	2.29227	No	1.831E-06
234	GLOBAL	Cartesian	5.68151	0.00000	-4.218E-05	No	5.68151
235	GLOBAL	Cartesian	5.55000	0.00000	2.34996	No	5.55000
236	GLOBAL	Cartesian	5.40000	0.00000	2.34996	No	5.40000
237	GLOBAL	Cartesian	5.25000	0.00000	2.34996	No	5.25000
238	GLOBAL	Cartesian	5.10000	0.00000	2.34996	No	5.10000
239	GLOBAL	Cartesian	4.95000	0.00000	2.34996	No	4.95000
240	GLOBAL	Cartesian	4.80000	0.00000	2.34996	No	4.80000
241	GLOBAL	Cartesian	4.65000	0.00000	2.34996	No	4.65000
242	GLOBAL	Cartesian	4.50000	0.00000	2.34996	No	4.50000
243	GLOBAL	Cartesian	4.35000	0.00000	2.34996	No	4.35000
244	GLOBAL	Cartesian	4.20000	0.00000	2.34996	No	4.20000
245	GLOBAL	Cartesian	4.05000	0.00000	2.34996	No	4.05000
246	GLOBAL	Cartesian	3.90000	0.00000	2.34996	No	3.90000
247	GLOBAL	Cartesian	3.75000	0.00000	2.34996	No	3.75000
248	GLOBAL	Cartesian	3.60000	0.00000	2.34996	No	3.60000
249	GLOBAL	Cartesian	3.45000	0.00000	2.34996	No	3.45000
250	GLOBAL	Cartesian	3.30000	0.00000	2.34996	No	3.30000
251	GLOBAL	Cartesian	3.15000	0.00000	2.34996	No	3.15000
252	GLOBAL	Cartesian	3.00000	0.00000	2.34996	No	3.00000
253	GLOBAL	Cartesian	2.85000	0.00000	2.34996	No	2.85000
254	GLOBAL	Cartesian	2.70000	0.00000	2.34996	No	2.70000
255	GLOBAL	Cartesian	2.55000	0.00000	2.34996	No	2.55000
256	GLOBAL	Cartesian	2.40000	0.00000	2.34996	No	2.40000
257	GLOBAL	Cartesian	2.25000	0.00000	2.34996	No	2.25000
258	GLOBAL	Cartesian	2.10000	0.00000	2.34996	No	2.10000
259	GLOBAL	Cartesian	1.95000	0.00000	2.34996	No	1.95000
260	GLOBAL	Cartesian	1.80000	0.00000	2.34996	No	1.80000
261	GLOBAL	Cartesian	1.65000	0.00000	2.34996	No	1.65000
262	GLOBAL	Cartesian	1.50000	0.00000	2.34996	No	1.50000
263	GLOBAL	Cartesian	1.35000	0.00000	2.34996	No	1.35000
264	GLOBAL	Cartesian	1.20000	0.00000	2.34996	No	1.20000
265	GLOBAL	Cartesian	1.05000	0.00000	2.34996	No	1.05000
266	GLOBAL	Cartesian	0.90000	0.00000	2.34996	No	0.90000
267	GLOBAL	Cartesian	0.75000	0.00000	2.34996	No	0.75000
268	GLOBAL	Cartesian	0.60000	0.00000	2.34996	No	0.60000
269	GLOBAL	Cartesian	0.45000	0.00000	2.34996	No	0.45000
270	GLOBAL	Cartesian	0.30000	0.00000	2.34996	No	0.30000
271	GLOBAL	Cartesian	0.15000	0.00000	2.34996	No	0.15000
272	GLOBAL	Cartesian	0.15000	0.00000	1.59807	No	0.15000
273	GLOBAL	Cartesian	0.15000	0.00000	1.68484	No	0.15000
274	GLOBAL	Cartesian	0.15000	0.00000	1.77162	No	0.15000
275	GLOBAL	Cartesian	0.15000	0.00000	1.85839	No	0.15000
276	GLOBAL	Cartesian	0.15000	0.00000	1.94517	No	0.15000
277	GLOBAL	Cartesian	0.15000	0.00000	2.03195	No	0.15000
278	GLOBAL	Cartesian	0.15000	0.00000	2.11872	No	0.15000
279	GLOBAL	Cartesian	0.15000	0.00000	2.20550	No	0.15000
280	GLOBAL	Cartesian	0.15000	0.00000	2.29227	No	0.15000
281	GLOBAL	Cartesian	0.15000	0.00000	2.42603	No	0.15000
282	GLOBAL	Cartesian	0.15000	0.00000	2.51281	No	0.15000
283	GLOBAL	Cartesian	0.15000	0.00000	2.59959	No	0.15000
284	GLOBAL	Cartesian	0.15000	0.00000	2.68636	No	0.15000
285	GLOBAL	Cartesian	0.15000	0.00000	2.77314	No	0.15000
286	GLOBAL	Cartesian	0.15000	0.00000	2.85991	No	0.15000
287	GLOBAL	Cartesian	0.15000	0.00000	2.94669	No	0.15000
288	GLOBAL	Cartesian	0.15000	0.00000	3.03346	No	0.15000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

289	GLOBAL	Cartesian	0.15000	0.00000	3.12024	No	0.15000
290	GLOBAL	Cartesian	0.15000	0.00000	3.20702	No	0.15000
291	GLOBAL	Cartesian	0.15000	0.00000	3.29379	No	0.15000
292	GLOBAL	Cartesian	0.15000	0.00000	3.38057	No	0.15000
293	GLOBAL	Cartesian	0.15000	0.00000	3.55000	No	0.15000
295	GLOBAL	Cartesian	0.15000	0.00000	3.64089	No	0.15000
296	GLOBAL	Cartesian	0.15000	0.00000	3.72767	No	0.15000
297	GLOBAL	Cartesian	0.15000	0.00000	3.81444	No	0.15000
298	GLOBAL	Cartesian	0.15000	0.00000	3.90122	No	0.15000
299	GLOBAL	Cartesian	0.15000	0.00000	3.98800	No	0.15000
300	GLOBAL	Cartesian	0.15000	0.00000	4.07477	No	0.15000
301	GLOBAL	Cartesian	0.15000	0.00000	4.16155	No	0.15000
302	GLOBAL	Cartesian	0.15000	0.00000	4.24832	No	0.15000
303	GLOBAL	Cartesian	0.15000	0.00000	4.33510	No	0.15000
304	GLOBAL	Cartesian	0.15000	0.00000	4.42187	No	0.15000
305	GLOBAL	Cartesian	0.15000	0.00000	4.50865	No	0.15000
306	GLOBAL	Cartesian	0.15000	0.00000	4.59543	No	0.15000
307	GLOBAL	Cartesian	0.15000	0.00000	4.68220	No	0.15000
308	GLOBAL	Cartesian	0.15000	0.00000	4.76898	No	0.15000
309	GLOBAL	Cartesian	0.15000	0.00000	4.85575	No	0.15000
310	GLOBAL	Cartesian	0.15000	0.00000	4.94253	No	0.15000
311	GLOBAL	Cartesian	0.15000	0.00000	5.02930	No	0.15000
312	GLOBAL	Cartesian	0.15000	0.00000	5.11608	No	0.15000
313	GLOBAL	Cartesian	0.15000	0.00000	5.20286	No	0.15000
314	GLOBAL	Cartesian	0.15000	0.00000	5.28963	No	0.15000
315	GLOBAL	Cartesian	0.15000	0.00000	5.37641	No	0.15000
316	GLOBAL	Cartesian	0.15000	0.00000	5.46318	No	0.15000
317	GLOBAL	Cartesian	0.30000	0.00000	1.59807	No	0.30000
318	GLOBAL	Cartesian	0.30000	0.00000	1.68484	No	0.30000
319	GLOBAL	Cartesian	0.30000	0.00000	1.77162	No	0.30000
320	GLOBAL	Cartesian	0.30000	0.00000	1.85839	No	0.30000
321	GLOBAL	Cartesian	0.30000	0.00000	1.94517	No	0.30000
322	GLOBAL	Cartesian	0.30000	0.00000	2.03195	No	0.30000
323	GLOBAL	Cartesian	0.30000	0.00000	2.11872	No	0.30000
324	GLOBAL	Cartesian	0.30000	0.00000	2.20550	No	0.30000
325	GLOBAL	Cartesian	0.30000	0.00000	2.29227	No	0.30000
326	GLOBAL	Cartesian	0.30000	0.00000	2.42603	No	0.30000
327	GLOBAL	Cartesian	0.30000	0.00000	2.51281	No	0.30000
328	GLOBAL	Cartesian	0.30000	0.00000	2.59959	No	0.30000
329	GLOBAL	Cartesian	0.30000	0.00000	2.68636	No	0.30000
330	GLOBAL	Cartesian	0.30000	0.00000	2.77314	No	0.30000
331	GLOBAL	Cartesian	0.30000	0.00000	2.85991	No	0.30000
332	GLOBAL	Cartesian	0.30000	0.00000	2.94669	No	0.30000
333	GLOBAL	Cartesian	0.30000	0.00000	3.03346	No	0.30000
334	GLOBAL	Cartesian	0.30000	0.00000	3.12024	No	0.30000
335	GLOBAL	Cartesian	0.30000	0.00000	3.20702	No	0.30000
336	GLOBAL	Cartesian	0.30000	0.00000	3.29379	No	0.30000
337	GLOBAL	Cartesian	0.30000	0.00000	3.38057	No	0.30000
338	GLOBAL	Cartesian	0.30000	0.00000	3.55000	No	0.30000
340	GLOBAL	Cartesian	0.30000	0.00000	3.64089	No	0.30000
341	GLOBAL	Cartesian	0.30000	0.00000	3.72767	No	0.30000
342	GLOBAL	Cartesian	0.30000	0.00000	3.81444	No	0.30000
343	GLOBAL	Cartesian	0.30000	0.00000	3.90122	No	0.30000
344	GLOBAL	Cartesian	0.30000	0.00000	3.98800	No	0.30000
345	GLOBAL	Cartesian	0.30000	0.00000	4.07477	No	0.30000
346	GLOBAL	Cartesian	0.30000	0.00000	4.16155	No	0.30000
347	GLOBAL	Cartesian	0.30000	0.00000	4.24832	No	0.30000
348	GLOBAL	Cartesian	0.30000	0.00000	4.33510	No	0.30000
349	GLOBAL	Cartesian	0.30000	0.00000	4.42187	No	0.30000
350	GLOBAL	Cartesian	0.30000	0.00000	4.50865	No	0.30000
351	GLOBAL	Cartesian	0.30000	0.00000	4.59543	No	0.30000
352	GLOBAL	Cartesian	0.30000	0.00000	4.68220	No	0.30000
353	GLOBAL	Cartesian	0.30000	0.00000	4.76898	No	0.30000
354	GLOBAL	Cartesian	0.30000	0.00000	4.85575	No	0.30000
355	GLOBAL	Cartesian	0.30000	0.00000	4.94253	No	0.30000
356	GLOBAL	Cartesian	0.30000	0.00000	5.02930	No	0.30000
357	GLOBAL	Cartesian	0.30000	0.00000	5.11608	No	0.30000
358	GLOBAL	Cartesian	0.30000	0.00000	5.20286	No	0.30000
359	GLOBAL	Cartesian	0.30000	0.00000	5.28963	No	0.30000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

360	GLOBAL	Cartesian	0.30000	0.00000	5.37641	No	0.30000
361	GLOBAL	Cartesian	0.45000	0.00000	1.59807	No	0.45000
362	GLOBAL	Cartesian	0.45000	0.00000	1.68484	No	0.45000
363	GLOBAL	Cartesian	0.45000	0.00000	1.77162	No	0.45000
364	GLOBAL	Cartesian	0.45000	0.00000	1.85839	No	0.45000
365	GLOBAL	Cartesian	0.45000	0.00000	1.94517	No	0.45000
366	GLOBAL	Cartesian	0.45000	0.00000	2.03195	No	0.45000
367	GLOBAL	Cartesian	0.45000	0.00000	2.11872	No	0.45000
368	GLOBAL	Cartesian	0.45000	0.00000	2.20550	No	0.45000
369	GLOBAL	Cartesian	0.45000	0.00000	2.29227	No	0.45000
370	GLOBAL	Cartesian	0.45000	0.00000	2.42603	No	0.45000
371	GLOBAL	Cartesian	0.45000	0.00000	2.51281	No	0.45000
372	GLOBAL	Cartesian	0.45000	0.00000	2.59959	No	0.45000
373	GLOBAL	Cartesian	0.45000	0.00000	2.68636	No	0.45000
374	GLOBAL	Cartesian	0.45000	0.00000	2.77314	No	0.45000
375	GLOBAL	Cartesian	0.45000	0.00000	2.85991	No	0.45000
376	GLOBAL	Cartesian	0.45000	0.00000	2.94669	No	0.45000
377	GLOBAL	Cartesian	0.45000	0.00000	3.03346	No	0.45000
378	GLOBAL	Cartesian	0.45000	0.00000	3.12024	No	0.45000
379	GLOBAL	Cartesian	0.45000	0.00000	3.20702	No	0.45000
380	GLOBAL	Cartesian	0.45000	0.00000	3.29379	No	0.45000
381	GLOBAL	Cartesian	0.45000	0.00000	3.38057	No	0.45000
382	GLOBAL	Cartesian	0.45000	0.00000	3.55000	No	0.45000
384	GLOBAL	Cartesian	0.45000	0.00000	3.64089	No	0.45000
385	GLOBAL	Cartesian	0.45000	0.00000	3.72767	No	0.45000
386	GLOBAL	Cartesian	0.45000	0.00000	3.81444	No	0.45000
387	GLOBAL	Cartesian	0.45000	0.00000	3.90122	No	0.45000
388	GLOBAL	Cartesian	0.45000	0.00000	3.98800	No	0.45000
389	GLOBAL	Cartesian	0.45000	0.00000	4.07477	No	0.45000
390	GLOBAL	Cartesian	0.45000	0.00000	4.16155	No	0.45000
391	GLOBAL	Cartesian	0.45000	0.00000	4.24832	No	0.45000
392	GLOBAL	Cartesian	0.45000	0.00000	4.33510	No	0.45000
393	GLOBAL	Cartesian	0.45000	0.00000	4.42187	No	0.45000
394	GLOBAL	Cartesian	0.45000	0.00000	4.50865	No	0.45000
395	GLOBAL	Cartesian	0.45000	0.00000	4.59543	No	0.45000
396	GLOBAL	Cartesian	0.45000	0.00000	4.68220	No	0.45000
397	GLOBAL	Cartesian	0.45000	0.00000	4.76898	No	0.45000
398	GLOBAL	Cartesian	0.45000	0.00000	4.85575	No	0.45000
399	GLOBAL	Cartesian	0.45000	0.00000	4.94253	No	0.45000
400	GLOBAL	Cartesian	0.45000	0.00000	5.02930	No	0.45000
401	GLOBAL	Cartesian	0.45000	0.00000	5.11608	No	0.45000
402	GLOBAL	Cartesian	0.45000	0.00000	5.20286	No	0.45000
403	GLOBAL	Cartesian	0.45000	0.00000	5.28963	No	0.45000
404	GLOBAL	Cartesian	0.60000	0.00000	1.59807	No	0.60000
405	GLOBAL	Cartesian	0.60000	0.00000	1.68484	No	0.60000
406	GLOBAL	Cartesian	0.60000	0.00000	1.77162	No	0.60000
407	GLOBAL	Cartesian	0.60000	0.00000	1.85839	No	0.60000
408	GLOBAL	Cartesian	0.60000	0.00000	1.94517	No	0.60000
409	GLOBAL	Cartesian	0.60000	0.00000	2.03195	No	0.60000
410	GLOBAL	Cartesian	0.60000	0.00000	2.11872	No	0.60000
411	GLOBAL	Cartesian	0.60000	0.00000	2.20550	No	0.60000
412	GLOBAL	Cartesian	0.60000	0.00000	2.29227	No	0.60000
413	GLOBAL	Cartesian	0.60000	0.00000	2.42603	No	0.60000
414	GLOBAL	Cartesian	0.60000	0.00000	2.51281	No	0.60000
415	GLOBAL	Cartesian	0.60000	0.00000	2.59959	No	0.60000
416	GLOBAL	Cartesian	0.60000	0.00000	2.68636	No	0.60000
417	GLOBAL	Cartesian	0.60000	0.00000	2.77314	No	0.60000
418	GLOBAL	Cartesian	0.60000	0.00000	2.85991	No	0.60000
419	GLOBAL	Cartesian	0.60000	0.00000	2.94669	No	0.60000
420	GLOBAL	Cartesian	0.60000	0.00000	3.03346	No	0.60000
421	GLOBAL	Cartesian	0.60000	0.00000	3.12024	No	0.60000
422	GLOBAL	Cartesian	0.60000	0.00000	3.20702	No	0.60000
423	GLOBAL	Cartesian	0.60000	0.00000	3.29379	No	0.60000
424	GLOBAL	Cartesian	0.60000	0.00000	3.38057	No	0.60000
425	GLOBAL	Cartesian	0.60000	0.00000	3.55000	No	0.60000
427	GLOBAL	Cartesian	0.60000	0.00000	3.64089	No	0.60000
428	GLOBAL	Cartesian	0.60000	0.00000	3.72767	No	0.60000
429	GLOBAL	Cartesian	0.60000	0.00000	3.81444	No	0.60000
430	GLOBAL	Cartesian	0.60000	0.00000	3.90122	No	0.60000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

431	GLOBAL	Cartesian	0.60000	0.00000	3.98800	No	0.60000
432	GLOBAL	Cartesian	0.60000	0.00000	4.07477	No	0.60000
433	GLOBAL	Cartesian	0.60000	0.00000	4.16155	No	0.60000
434	GLOBAL	Cartesian	0.60000	0.00000	4.24832	No	0.60000
435	GLOBAL	Cartesian	0.60000	0.00000	4.33510	No	0.60000
436	GLOBAL	Cartesian	0.60000	0.00000	4.42187	No	0.60000
437	GLOBAL	Cartesian	0.60000	0.00000	4.50865	No	0.60000
438	GLOBAL	Cartesian	0.60000	0.00000	4.59543	No	0.60000
439	GLOBAL	Cartesian	0.60000	0.00000	4.68220	No	0.60000
440	GLOBAL	Cartesian	0.60000	0.00000	4.76898	No	0.60000
441	GLOBAL	Cartesian	0.60000	0.00000	4.85575	No	0.60000
442	GLOBAL	Cartesian	0.60000	0.00000	4.94253	No	0.60000
443	GLOBAL	Cartesian	0.60000	0.00000	5.02930	No	0.60000
444	GLOBAL	Cartesian	0.60000	0.00000	5.11608	No	0.60000
445	GLOBAL	Cartesian	0.60000	0.00000	5.20286	No	0.60000
446	GLOBAL	Cartesian	0.75000	0.00000	1.59807	No	0.75000
447	GLOBAL	Cartesian	0.75000	0.00000	1.68484	No	0.75000
448	GLOBAL	Cartesian	0.75000	0.00000	1.77162	No	0.75000
449	GLOBAL	Cartesian	0.75000	0.00000	1.85839	No	0.75000
450	GLOBAL	Cartesian	0.75000	0.00000	1.94517	No	0.75000
451	GLOBAL	Cartesian	0.75000	0.00000	2.03195	No	0.75000
452	GLOBAL	Cartesian	0.75000	0.00000	2.11872	No	0.75000
453	GLOBAL	Cartesian	0.75000	0.00000	2.20550	No	0.75000
454	GLOBAL	Cartesian	0.75000	0.00000	2.29227	No	0.75000
455	GLOBAL	Cartesian	0.75000	0.00000	2.42603	No	0.75000
456	GLOBAL	Cartesian	0.75000	0.00000	2.51281	No	0.75000
457	GLOBAL	Cartesian	0.75000	0.00000	2.59959	No	0.75000
458	GLOBAL	Cartesian	0.75000	0.00000	2.68636	No	0.75000
459	GLOBAL	Cartesian	0.75000	0.00000	2.77314	No	0.75000
460	GLOBAL	Cartesian	0.75000	0.00000	2.85991	No	0.75000
461	GLOBAL	Cartesian	0.75000	0.00000	2.94669	No	0.75000
462	GLOBAL	Cartesian	0.75000	0.00000	3.03346	No	0.75000
463	GLOBAL	Cartesian	0.75000	0.00000	3.12024	No	0.75000
464	GLOBAL	Cartesian	0.75000	0.00000	3.20702	No	0.75000
465	GLOBAL	Cartesian	0.75000	0.00000	3.29379	No	0.75000
466	GLOBAL	Cartesian	0.75000	0.00000	3.38057	No	0.75000
467	GLOBAL	Cartesian	0.75000	0.00000	3.55000	No	0.75000
469	GLOBAL	Cartesian	0.75000	0.00000	3.64089	No	0.75000
470	GLOBAL	Cartesian	0.75000	0.00000	3.72767	No	0.75000
471	GLOBAL	Cartesian	0.75000	0.00000	3.81444	No	0.75000
472	GLOBAL	Cartesian	0.75000	0.00000	3.90122	No	0.75000
473	GLOBAL	Cartesian	0.75000	0.00000	3.98800	No	0.75000
474	GLOBAL	Cartesian	0.75000	0.00000	4.07477	No	0.75000
475	GLOBAL	Cartesian	0.75000	0.00000	4.16155	No	0.75000
476	GLOBAL	Cartesian	0.75000	0.00000	4.24832	No	0.75000
477	GLOBAL	Cartesian	0.75000	0.00000	4.33510	No	0.75000
478	GLOBAL	Cartesian	0.75000	0.00000	4.42187	No	0.75000
479	GLOBAL	Cartesian	0.75000	0.00000	4.50865	No	0.75000
480	GLOBAL	Cartesian	0.75000	0.00000	4.59543	No	0.75000
481	GLOBAL	Cartesian	0.75000	0.00000	4.68220	No	0.75000
482	GLOBAL	Cartesian	0.75000	0.00000	4.76898	No	0.75000
483	GLOBAL	Cartesian	0.75000	0.00000	4.85575	No	0.75000
484	GLOBAL	Cartesian	0.75000	0.00000	4.94253	No	0.75000
485	GLOBAL	Cartesian	0.75000	0.00000	5.02930	No	0.75000
486	GLOBAL	Cartesian	0.75000	0.00000	5.11608	No	0.75000
487	GLOBAL	Cartesian	0.90000	0.00000	1.59807	No	0.90000
488	GLOBAL	Cartesian	0.90000	0.00000	1.68484	No	0.90000
489	GLOBAL	Cartesian	0.90000	0.00000	1.77162	No	0.90000
490	GLOBAL	Cartesian	0.90000	0.00000	1.85839	No	0.90000
491	GLOBAL	Cartesian	0.90000	0.00000	1.94517	No	0.90000
492	GLOBAL	Cartesian	0.90000	0.00000	2.03195	No	0.90000
493	GLOBAL	Cartesian	0.90000	0.00000	2.11872	No	0.90000
494	GLOBAL	Cartesian	0.90000	0.00000	2.20550	No	0.90000
495	GLOBAL	Cartesian	0.90000	0.00000	2.29227	No	0.90000
496	GLOBAL	Cartesian	0.90000	0.00000	2.42603	No	0.90000
497	GLOBAL	Cartesian	0.90000	0.00000	2.51281	No	0.90000
498	GLOBAL	Cartesian	0.90000	0.00000	2.59959	No	0.90000
499	GLOBAL	Cartesian	0.90000	0.00000	2.68636	No	0.90000
500	GLOBAL	Cartesian	0.90000	0.00000	2.77314	No	0.90000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

501	GLOBAL	Cartesian	0.90000	0.00000	2.85991	No	0.90000
502	GLOBAL	Cartesian	0.90000	0.00000	2.94669	No	0.90000
503	GLOBAL	Cartesian	0.90000	0.00000	3.03346	No	0.90000
504	GLOBAL	Cartesian	0.90000	0.00000	3.12024	No	0.90000
505	GLOBAL	Cartesian	0.90000	0.00000	3.20702	No	0.90000
506	GLOBAL	Cartesian	0.90000	0.00000	3.29379	No	0.90000
507	GLOBAL	Cartesian	0.90000	0.00000	3.38057	No	0.90000
508	GLOBAL	Cartesian	0.90000	0.00000	3.55000	No	0.90000
510	GLOBAL	Cartesian	0.90000	0.00000	3.64089	No	0.90000
511	GLOBAL	Cartesian	0.90000	0.00000	3.72767	No	0.90000
512	GLOBAL	Cartesian	0.90000	0.00000	3.81444	No	0.90000
513	GLOBAL	Cartesian	0.90000	0.00000	3.90122	No	0.90000
514	GLOBAL	Cartesian	0.90000	0.00000	3.98800	No	0.90000
515	GLOBAL	Cartesian	0.90000	0.00000	4.07477	No	0.90000
516	GLOBAL	Cartesian	0.90000	0.00000	4.16155	No	0.90000
517	GLOBAL	Cartesian	0.90000	0.00000	4.24832	No	0.90000
518	GLOBAL	Cartesian	0.90000	0.00000	4.33510	No	0.90000
519	GLOBAL	Cartesian	0.90000	0.00000	4.42187	No	0.90000
520	GLOBAL	Cartesian	0.90000	0.00000	4.50865	No	0.90000
521	GLOBAL	Cartesian	0.90000	0.00000	4.59543	No	0.90000
522	GLOBAL	Cartesian	0.90000	0.00000	4.68220	No	0.90000
523	GLOBAL	Cartesian	0.90000	0.00000	4.76898	No	0.90000
524	GLOBAL	Cartesian	0.90000	0.00000	4.85575	No	0.90000
525	GLOBAL	Cartesian	0.90000	0.00000	4.94253	No	0.90000
526	GLOBAL	Cartesian	0.90000	0.00000	5.02930	No	0.90000
527	GLOBAL	Cartesian	1.05000	0.00000	1.59807	No	1.05000
528	GLOBAL	Cartesian	1.05000	0.00000	1.68484	No	1.05000
529	GLOBAL	Cartesian	1.05000	0.00000	1.77162	No	1.05000
530	GLOBAL	Cartesian	1.05000	0.00000	1.85839	No	1.05000
531	GLOBAL	Cartesian	1.05000	0.00000	1.94517	No	1.05000
532	GLOBAL	Cartesian	1.05000	0.00000	2.03195	No	1.05000
533	GLOBAL	Cartesian	1.05000	0.00000	2.11872	No	1.05000
534	GLOBAL	Cartesian	1.05000	0.00000	2.20550	No	1.05000
535	GLOBAL	Cartesian	1.05000	0.00000	2.29227	No	1.05000
536	GLOBAL	Cartesian	1.05000	0.00000	2.42603	No	1.05000
537	GLOBAL	Cartesian	1.05000	0.00000	2.51281	No	1.05000
538	GLOBAL	Cartesian	1.05000	0.00000	2.59959	No	1.05000
539	GLOBAL	Cartesian	1.05000	0.00000	2.68636	No	1.05000
540	GLOBAL	Cartesian	1.05000	0.00000	2.77314	No	1.05000
541	GLOBAL	Cartesian	1.05000	0.00000	2.85991	No	1.05000
542	GLOBAL	Cartesian	1.05000	0.00000	2.94669	No	1.05000
543	GLOBAL	Cartesian	1.05000	0.00000	3.03346	No	1.05000
544	GLOBAL	Cartesian	1.05000	0.00000	3.12024	No	1.05000
545	GLOBAL	Cartesian	1.05000	0.00000	3.20702	No	1.05000
546	GLOBAL	Cartesian	1.05000	0.00000	3.29379	No	1.05000
547	GLOBAL	Cartesian	1.05000	0.00000	3.38057	No	1.05000
548	GLOBAL	Cartesian	1.05000	0.00000	3.55000	No	1.05000
550	GLOBAL	Cartesian	1.05000	0.00000	3.64089	No	1.05000
551	GLOBAL	Cartesian	1.05000	0.00000	3.72767	No	1.05000
552	GLOBAL	Cartesian	1.05000	0.00000	3.81444	No	1.05000
553	GLOBAL	Cartesian	1.05000	0.00000	3.90122	No	1.05000
554	GLOBAL	Cartesian	1.05000	0.00000	3.98800	No	1.05000
555	GLOBAL	Cartesian	1.05000	0.00000	4.07477	No	1.05000
556	GLOBAL	Cartesian	1.05000	0.00000	4.16155	No	1.05000
557	GLOBAL	Cartesian	1.05000	0.00000	4.24832	No	1.05000
558	GLOBAL	Cartesian	1.05000	0.00000	4.33510	No	1.05000
559	GLOBAL	Cartesian	1.05000	0.00000	4.42187	No	1.05000
560	GLOBAL	Cartesian	1.05000	0.00000	4.50865	No	1.05000
561	GLOBAL	Cartesian	1.05000	0.00000	4.59543	No	1.05000
562	GLOBAL	Cartesian	1.05000	0.00000	4.68220	No	1.05000
563	GLOBAL	Cartesian	1.05000	0.00000	4.76898	No	1.05000
564	GLOBAL	Cartesian	1.05000	0.00000	4.85575	No	1.05000
565	GLOBAL	Cartesian	1.05000	0.00000	4.94253	No	1.05000
566	GLOBAL	Cartesian	1.20000	0.00000	1.59807	No	1.20000
567	GLOBAL	Cartesian	1.20000	0.00000	1.68484	No	1.20000
568	GLOBAL	Cartesian	1.20000	0.00000	1.77162	No	1.20000
569	GLOBAL	Cartesian	1.20000	0.00000	1.85839	No	1.20000
570	GLOBAL	Cartesian	1.20000	0.00000	1.94517	No	1.20000
571	GLOBAL	Cartesian	1.20000	0.00000	2.03195	No	1.20000



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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

572	GLOBAL	Cartesian	1.20000	0.00000	2.11872	No	1.20000
573	GLOBAL	Cartesian	1.20000	0.00000	2.20550	No	1.20000
574	GLOBAL	Cartesian	1.20000	0.00000	2.29227	No	1.20000
575	GLOBAL	Cartesian	1.20000	0.00000	2.42603	No	1.20000
576	GLOBAL	Cartesian	1.20000	0.00000	2.51281	No	1.20000
577	GLOBAL	Cartesian	1.20000	0.00000	2.59959	No	1.20000
578	GLOBAL	Cartesian	1.20000	0.00000	2.68636	No	1.20000
579	GLOBAL	Cartesian	1.20000	0.00000	2.77314	No	1.20000
580	GLOBAL	Cartesian	1.20000	0.00000	2.85991	No	1.20000
581	GLOBAL	Cartesian	1.20000	0.00000	2.94669	No	1.20000
582	GLOBAL	Cartesian	1.20000	0.00000	3.03346	No	1.20000
583	GLOBAL	Cartesian	1.20000	0.00000	3.12024	No	1.20000
584	GLOBAL	Cartesian	1.20000	0.00000	3.20702	No	1.20000
585	GLOBAL	Cartesian	1.20000	0.00000	3.29379	No	1.20000
586	GLOBAL	Cartesian	1.20000	0.00000	3.38057	No	1.20000
587	GLOBAL	Cartesian	1.20000	0.00000	3.55000	No	1.20000
589	GLOBAL	Cartesian	1.20000	0.00000	3.64089	No	1.20000
590	GLOBAL	Cartesian	1.20000	0.00000	3.72767	No	1.20000
591	GLOBAL	Cartesian	1.20000	0.00000	3.81444	No	1.20000
592	GLOBAL	Cartesian	1.20000	0.00000	3.90122	No	1.20000
593	GLOBAL	Cartesian	1.20000	0.00000	3.98800	No	1.20000
594	GLOBAL	Cartesian	1.20000	0.00000	4.07477	No	1.20000
595	GLOBAL	Cartesian	1.20000	0.00000	4.16155	No	1.20000
596	GLOBAL	Cartesian	1.20000	0.00000	4.24832	No	1.20000
597	GLOBAL	Cartesian	1.20000	0.00000	4.33510	No	1.20000
598	GLOBAL	Cartesian	1.20000	0.00000	4.42187	No	1.20000
599	GLOBAL	Cartesian	1.20000	0.00000	4.50865	No	1.20000
600	GLOBAL	Cartesian	1.20000	0.00000	4.59543	No	1.20000
601	GLOBAL	Cartesian	1.20000	0.00000	4.68220	No	1.20000
602	GLOBAL	Cartesian	1.20000	0.00000	4.76898	No	1.20000
603	GLOBAL	Cartesian	1.20000	0.00000	4.85575	No	1.20000
604	GLOBAL	Cartesian	1.35000	0.00000	1.59807	No	1.35000
605	GLOBAL	Cartesian	1.35000	0.00000	1.68484	No	1.35000
606	GLOBAL	Cartesian	1.35000	0.00000	1.77162	No	1.35000
607	GLOBAL	Cartesian	1.35000	0.00000	1.85839	No	1.35000
608	GLOBAL	Cartesian	1.35000	0.00000	1.94517	No	1.35000
609	GLOBAL	Cartesian	1.35000	0.00000	2.03195	No	1.35000
610	GLOBAL	Cartesian	1.35000	0.00000	2.11872	No	1.35000
611	GLOBAL	Cartesian	1.35000	0.00000	2.20550	No	1.35000
612	GLOBAL	Cartesian	1.35000	0.00000	2.29227	No	1.35000
613	GLOBAL	Cartesian	1.35000	0.00000	2.42603	No	1.35000
614	GLOBAL	Cartesian	1.35000	0.00000	2.51281	No	1.35000
615	GLOBAL	Cartesian	1.35000	0.00000	2.59959	No	1.35000
616	GLOBAL	Cartesian	1.35000	0.00000	2.68636	No	1.35000
617	GLOBAL	Cartesian	1.35000	0.00000	2.77314	No	1.35000
618	GLOBAL	Cartesian	1.35000	0.00000	2.85991	No	1.35000
619	GLOBAL	Cartesian	1.35000	0.00000	2.94669	No	1.35000
620	GLOBAL	Cartesian	1.35000	0.00000	3.03346	No	1.35000
621	GLOBAL	Cartesian	1.35000	0.00000	3.12024	No	1.35000
622	GLOBAL	Cartesian	1.35000	0.00000	3.20702	No	1.35000
623	GLOBAL	Cartesian	1.35000	0.00000	3.29379	No	1.35000
624	GLOBAL	Cartesian	1.35000	0.00000	3.38057	No	1.35000
625	GLOBAL	Cartesian	1.35000	0.00000	3.55000	No	1.35000
627	GLOBAL	Cartesian	1.35000	0.00000	3.64089	No	1.35000
628	GLOBAL	Cartesian	1.35000	0.00000	3.72767	No	1.35000
629	GLOBAL	Cartesian	1.35000	0.00000	3.81444	No	1.35000
630	GLOBAL	Cartesian	1.35000	0.00000	3.90122	No	1.35000
631	GLOBAL	Cartesian	1.35000	0.00000	3.98800	No	1.35000
632	GLOBAL	Cartesian	1.35000	0.00000	4.07477	No	1.35000
633	GLOBAL	Cartesian	1.35000	0.00000	4.16155	No	1.35000
634	GLOBAL	Cartesian	1.35000	0.00000	4.24832	No	1.35000
635	GLOBAL	Cartesian	1.35000	0.00000	4.33510	No	1.35000
636	GLOBAL	Cartesian	1.35000	0.00000	4.42187	No	1.35000
637	GLOBAL	Cartesian	1.35000	0.00000	4.50865	No	1.35000
638	GLOBAL	Cartesian	1.35000	0.00000	4.59543	No	1.35000
639	GLOBAL	Cartesian	1.35000	0.00000	4.68220	No	1.35000
640	GLOBAL	Cartesian	1.35000	0.00000	4.76898	No	1.35000
641	GLOBAL	Cartesian	1.50000	0.00000	1.59807	No	1.50000
642	GLOBAL	Cartesian	1.50000	0.00000	1.68484	No	1.50000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

643	GLOBAL	Cartesian	1.50000	0.00000	1.77162	No	1.50000
644	GLOBAL	Cartesian	1.50000	0.00000	1.85839	No	1.50000
645	GLOBAL	Cartesian	1.50000	0.00000	1.94517	No	1.50000
646	GLOBAL	Cartesian	1.50000	0.00000	2.03195	No	1.50000
647	GLOBAL	Cartesian	1.50000	0.00000	2.11872	No	1.50000
648	GLOBAL	Cartesian	1.50000	0.00000	2.20550	No	1.50000
649	GLOBAL	Cartesian	1.50000	0.00000	2.29227	No	1.50000
650	GLOBAL	Cartesian	1.50000	0.00000	2.42603	No	1.50000
651	GLOBAL	Cartesian	1.50000	0.00000	2.51281	No	1.50000
652	GLOBAL	Cartesian	1.50000	0.00000	2.59959	No	1.50000
653	GLOBAL	Cartesian	1.50000	0.00000	2.68636	No	1.50000
654	GLOBAL	Cartesian	1.50000	0.00000	2.77314	No	1.50000
655	GLOBAL	Cartesian	1.50000	0.00000	2.85991	No	1.50000
656	GLOBAL	Cartesian	1.50000	0.00000	2.94669	No	1.50000
657	GLOBAL	Cartesian	1.50000	0.00000	3.03346	No	1.50000
658	GLOBAL	Cartesian	1.50000	0.00000	3.12024	No	1.50000
659	GLOBAL	Cartesian	1.50000	0.00000	3.20702	No	1.50000
660	GLOBAL	Cartesian	1.50000	0.00000	3.29379	No	1.50000
661	GLOBAL	Cartesian	1.50000	0.00000	3.38057	No	1.50000
662	GLOBAL	Cartesian	1.50000	0.00000	3.55000	No	1.50000
664	GLOBAL	Cartesian	1.50000	0.00000	3.64089	No	1.50000
665	GLOBAL	Cartesian	1.50000	0.00000	3.72767	No	1.50000
666	GLOBAL	Cartesian	1.50000	0.00000	3.81444	No	1.50000
667	GLOBAL	Cartesian	1.50000	0.00000	3.90122	No	1.50000
668	GLOBAL	Cartesian	1.50000	0.00000	3.98800	No	1.50000
669	GLOBAL	Cartesian	1.50000	0.00000	4.07477	No	1.50000
670	GLOBAL	Cartesian	1.50000	0.00000	4.16155	No	1.50000
671	GLOBAL	Cartesian	1.50000	0.00000	4.24832	No	1.50000
672	GLOBAL	Cartesian	1.50000	0.00000	4.33510	No	1.50000
673	GLOBAL	Cartesian	1.50000	0.00000	4.42187	No	1.50000
674	GLOBAL	Cartesian	1.50000	0.00000	4.50865	No	1.50000
675	GLOBAL	Cartesian	1.50000	0.00000	4.59543	No	1.50000
676	GLOBAL	Cartesian	1.50000	0.00000	4.68220	No	1.50000
677	GLOBAL	Cartesian	1.65000	0.00000	1.59807	No	1.65000
678	GLOBAL	Cartesian	1.65000	0.00000	1.68484	No	1.65000
679	GLOBAL	Cartesian	1.65000	0.00000	1.77162	No	1.65000
680	GLOBAL	Cartesian	1.65000	0.00000	1.85839	No	1.65000
681	GLOBAL	Cartesian	1.65000	0.00000	1.94517	No	1.65000
682	GLOBAL	Cartesian	1.65000	0.00000	2.03195	No	1.65000
683	GLOBAL	Cartesian	1.65000	0.00000	2.11872	No	1.65000
684	GLOBAL	Cartesian	1.65000	0.00000	2.20550	No	1.65000
685	GLOBAL	Cartesian	1.65000	0.00000	2.29227	No	1.65000
686	GLOBAL	Cartesian	1.65000	0.00000	2.42603	No	1.65000
687	GLOBAL	Cartesian	1.65000	0.00000	2.51281	No	1.65000
688	GLOBAL	Cartesian	1.65000	0.00000	2.59959	No	1.65000
689	GLOBAL	Cartesian	1.65000	0.00000	2.68636	No	1.65000
690	GLOBAL	Cartesian	1.65000	0.00000	2.77314	No	1.65000
691	GLOBAL	Cartesian	1.65000	0.00000	2.85991	No	1.65000
692	GLOBAL	Cartesian	1.65000	0.00000	2.94669	No	1.65000
693	GLOBAL	Cartesian	1.65000	0.00000	3.03346	No	1.65000
694	GLOBAL	Cartesian	1.65000	0.00000	3.12024	No	1.65000
695	GLOBAL	Cartesian	1.65000	0.00000	3.20702	No	1.65000
696	GLOBAL	Cartesian	1.65000	0.00000	3.29379	No	1.65000
697	GLOBAL	Cartesian	1.65000	0.00000	3.38057	No	1.65000
698	GLOBAL	Cartesian	1.65000	0.00000	3.55000	No	1.65000
700	GLOBAL	Cartesian	1.65000	0.00000	3.64089	No	1.65000
701	GLOBAL	Cartesian	1.65000	0.00000	3.72767	No	1.65000
702	GLOBAL	Cartesian	1.65000	0.00000	3.81444	No	1.65000
703	GLOBAL	Cartesian	1.65000	0.00000	3.90122	No	1.65000
704	GLOBAL	Cartesian	1.65000	0.00000	3.98800	No	1.65000
705	GLOBAL	Cartesian	1.65000	0.00000	4.07477	No	1.65000
706	GLOBAL	Cartesian	1.65000	0.00000	4.16155	No	1.65000
707	GLOBAL	Cartesian	1.65000	0.00000	4.24832	No	1.65000
708	GLOBAL	Cartesian	1.65000	0.00000	4.33510	No	1.65000
709	GLOBAL	Cartesian	1.65000	0.00000	4.42187	No	1.65000
710	GLOBAL	Cartesian	1.65000	0.00000	4.50865	No	1.65000
711	GLOBAL	Cartesian	1.65000	0.00000	4.59543	No	1.65000
712	GLOBAL	Cartesian	1.80000	0.00000	1.59807	No	1.80000
713	GLOBAL	Cartesian	1.80000	0.00000	1.68484	No	1.80000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

714	GLOBAL	Cartesian	1.80000	0.00000	1.77162	No	1.80000
715	GLOBAL	Cartesian	1.80000	0.00000	1.85839	No	1.80000
716	GLOBAL	Cartesian	1.80000	0.00000	1.94517	No	1.80000
717	GLOBAL	Cartesian	1.80000	0.00000	2.03195	No	1.80000
718	GLOBAL	Cartesian	1.80000	0.00000	2.11872	No	1.80000
719	GLOBAL	Cartesian	1.80000	0.00000	2.20550	No	1.80000
720	GLOBAL	Cartesian	1.80000	0.00000	2.29227	No	1.80000
721	GLOBAL	Cartesian	1.80000	0.00000	2.42603	No	1.80000
722	GLOBAL	Cartesian	1.80000	0.00000	2.51281	No	1.80000
723	GLOBAL	Cartesian	1.80000	0.00000	2.59959	No	1.80000
724	GLOBAL	Cartesian	1.80000	0.00000	2.68636	No	1.80000
725	GLOBAL	Cartesian	1.80000	0.00000	2.77314	No	1.80000
726	GLOBAL	Cartesian	1.80000	0.00000	2.85991	No	1.80000
727	GLOBAL	Cartesian	1.80000	0.00000	2.94669	No	1.80000
728	GLOBAL	Cartesian	1.80000	0.00000	3.03346	No	1.80000
729	GLOBAL	Cartesian	1.80000	0.00000	3.12024	No	1.80000
730	GLOBAL	Cartesian	1.80000	0.00000	3.20702	No	1.80000
731	GLOBAL	Cartesian	1.80000	0.00000	3.29379	No	1.80000
732	GLOBAL	Cartesian	1.80000	0.00000	3.38057	No	1.80000
733	GLOBAL	Cartesian	1.80000	0.00000	3.55000	No	1.80000
735	GLOBAL	Cartesian	1.80000	0.00000	3.64089	No	1.80000
736	GLOBAL	Cartesian	1.80000	0.00000	3.72767	No	1.80000
737	GLOBAL	Cartesian	1.80000	0.00000	3.81444	No	1.80000
738	GLOBAL	Cartesian	1.80000	0.00000	3.90122	No	1.80000
739	GLOBAL	Cartesian	1.80000	0.00000	3.98800	No	1.80000
740	GLOBAL	Cartesian	1.80000	0.00000	4.07477	No	1.80000
741	GLOBAL	Cartesian	1.80000	0.00000	4.16155	No	1.80000
742	GLOBAL	Cartesian	1.80000	0.00000	4.24832	No	1.80000
743	GLOBAL	Cartesian	1.80000	0.00000	4.33510	No	1.80000
744	GLOBAL	Cartesian	1.80000	0.00000	4.42187	No	1.80000
745	GLOBAL	Cartesian	1.80000	0.00000	4.50865	No	1.80000
746	GLOBAL	Cartesian	1.95000	0.00000	1.59807	No	1.95000
747	GLOBAL	Cartesian	1.95000	0.00000	1.68484	No	1.95000
748	GLOBAL	Cartesian	1.95000	0.00000	1.77162	No	1.95000
749	GLOBAL	Cartesian	1.95000	0.00000	1.85839	No	1.95000
750	GLOBAL	Cartesian	1.95000	0.00000	1.94517	No	1.95000
751	GLOBAL	Cartesian	1.95000	0.00000	2.03195	No	1.95000
752	GLOBAL	Cartesian	1.95000	0.00000	2.11872	No	1.95000
753	GLOBAL	Cartesian	1.95000	0.00000	2.20550	No	1.95000
754	GLOBAL	Cartesian	1.95000	0.00000	2.29227	No	1.95000
755	GLOBAL	Cartesian	1.95000	0.00000	2.42603	No	1.95000
756	GLOBAL	Cartesian	1.95000	0.00000	2.51281	No	1.95000
757	GLOBAL	Cartesian	1.95000	0.00000	2.59959	No	1.95000
758	GLOBAL	Cartesian	1.95000	0.00000	2.68636	No	1.95000
759	GLOBAL	Cartesian	1.95000	0.00000	2.77314	No	1.95000
760	GLOBAL	Cartesian	1.95000	0.00000	2.85991	No	1.95000
761	GLOBAL	Cartesian	1.95000	0.00000	2.94669	No	1.95000
762	GLOBAL	Cartesian	1.95000	0.00000	3.03346	No	1.95000
763	GLOBAL	Cartesian	1.95000	0.00000	3.12024	No	1.95000
764	GLOBAL	Cartesian	1.95000	0.00000	3.20702	No	1.95000
765	GLOBAL	Cartesian	1.95000	0.00000	3.29379	No	1.95000
766	GLOBAL	Cartesian	1.95000	0.00000	3.38057	No	1.95000
767	GLOBAL	Cartesian	1.95000	0.00000	3.55000	No	1.95000
769	GLOBAL	Cartesian	1.95000	0.00000	3.64089	No	1.95000
770	GLOBAL	Cartesian	1.95000	0.00000	3.72767	No	1.95000
771	GLOBAL	Cartesian	1.95000	0.00000	3.81444	No	1.95000
772	GLOBAL	Cartesian	1.95000	0.00000	3.90122	No	1.95000
773	GLOBAL	Cartesian	1.95000	0.00000	3.98800	No	1.95000
774	GLOBAL	Cartesian	1.95000	0.00000	4.07477	No	1.95000
775	GLOBAL	Cartesian	1.95000	0.00000	4.16155	No	1.95000
776	GLOBAL	Cartesian	1.95000	0.00000	4.24832	No	1.95000
777	GLOBAL	Cartesian	1.95000	0.00000	4.33510	No	1.95000
778	GLOBAL	Cartesian	1.95000	0.00000	4.42187	No	1.95000
779	GLOBAL	Cartesian	2.10000	0.00000	1.59807	No	2.10000
780	GLOBAL	Cartesian	2.10000	0.00000	1.68484	No	2.10000
781	GLOBAL	Cartesian	2.10000	0.00000	1.77162	No	2.10000
782	GLOBAL	Cartesian	2.10000	0.00000	1.85839	No	2.10000
783	GLOBAL	Cartesian	2.10000	0.00000	1.94517	No	2.10000
784	GLOBAL	Cartesian	2.10000	0.00000	2.03195	No	2.10000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

785	GLOBAL	Cartesian	2.10000	0.00000	2.11872	No	2.10000
786	GLOBAL	Cartesian	2.10000	0.00000	2.20550	No	2.10000
787	GLOBAL	Cartesian	2.10000	0.00000	2.29227	No	2.10000
788	GLOBAL	Cartesian	2.10000	0.00000	2.42603	No	2.10000
789	GLOBAL	Cartesian	2.10000	0.00000	2.51281	No	2.10000
790	GLOBAL	Cartesian	2.10000	0.00000	2.59959	No	2.10000
791	GLOBAL	Cartesian	2.10000	0.00000	2.68636	No	2.10000
792	GLOBAL	Cartesian	2.10000	0.00000	2.77314	No	2.10000
793	GLOBAL	Cartesian	2.10000	0.00000	2.85991	No	2.10000
794	GLOBAL	Cartesian	2.10000	0.00000	2.94669	No	2.10000
795	GLOBAL	Cartesian	2.10000	0.00000	3.03346	No	2.10000
796	GLOBAL	Cartesian	2.10000	0.00000	3.12024	No	2.10000
797	GLOBAL	Cartesian	2.10000	0.00000	3.20702	No	2.10000
798	GLOBAL	Cartesian	2.10000	0.00000	3.29379	No	2.10000
799	GLOBAL	Cartesian	2.10000	0.00000	3.38057	No	2.10000
800	GLOBAL	Cartesian	2.10000	0.00000	3.55000	No	2.10000
802	GLOBAL	Cartesian	2.10000	0.00000	3.64089	No	2.10000
803	GLOBAL	Cartesian	2.10000	0.00000	3.72767	No	2.10000
804	GLOBAL	Cartesian	2.10000	0.00000	3.81444	No	2.10000
805	GLOBAL	Cartesian	2.10000	0.00000	3.90122	No	2.10000
806	GLOBAL	Cartesian	2.10000	0.00000	3.98800	No	2.10000
807	GLOBAL	Cartesian	2.10000	0.00000	4.07477	No	2.10000
808	GLOBAL	Cartesian	2.10000	0.00000	4.16155	No	2.10000
809	GLOBAL	Cartesian	2.10000	0.00000	4.24832	No	2.10000
810	GLOBAL	Cartesian	2.10000	0.00000	4.33510	No	2.10000
811	GLOBAL	Cartesian	2.25000	0.00000	1.59807	No	2.25000
812	GLOBAL	Cartesian	2.25000	0.00000	1.68484	No	2.25000
813	GLOBAL	Cartesian	2.25000	0.00000	1.77162	No	2.25000
814	GLOBAL	Cartesian	2.25000	0.00000	1.85839	No	2.25000
815	GLOBAL	Cartesian	2.25000	0.00000	1.94517	No	2.25000
816	GLOBAL	Cartesian	2.25000	0.00000	2.03195	No	2.25000
817	GLOBAL	Cartesian	2.25000	0.00000	2.11872	No	2.25000
818	GLOBAL	Cartesian	2.25000	0.00000	2.20550	No	2.25000
819	GLOBAL	Cartesian	2.25000	0.00000	2.29227	No	2.25000
820	GLOBAL	Cartesian	2.25000	0.00000	2.42603	No	2.25000
821	GLOBAL	Cartesian	2.25000	0.00000	2.51281	No	2.25000
822	GLOBAL	Cartesian	2.25000	0.00000	2.59959	No	2.25000
823	GLOBAL	Cartesian	2.25000	0.00000	2.68636	No	2.25000
824	GLOBAL	Cartesian	2.25000	0.00000	2.77314	No	2.25000
825	GLOBAL	Cartesian	2.25000	0.00000	2.85991	No	2.25000
826	GLOBAL	Cartesian	2.25000	0.00000	2.94669	No	2.25000
827	GLOBAL	Cartesian	2.25000	0.00000	3.03346	No	2.25000
828	GLOBAL	Cartesian	2.25000	0.00000	3.12024	No	2.25000
829	GLOBAL	Cartesian	2.25000	0.00000	3.20702	No	2.25000
830	GLOBAL	Cartesian	2.25000	0.00000	3.29379	No	2.25000
831	GLOBAL	Cartesian	2.25000	0.00000	3.38057	No	2.25000
832	GLOBAL	Cartesian	2.25000	0.00000	3.55000	No	2.25000
834	GLOBAL	Cartesian	2.25000	0.00000	3.64089	No	2.25000
835	GLOBAL	Cartesian	2.25000	0.00000	3.72767	No	2.25000
836	GLOBAL	Cartesian	2.25000	0.00000	3.81444	No	2.25000
837	GLOBAL	Cartesian	2.25000	0.00000	3.90122	No	2.25000
838	GLOBAL	Cartesian	2.25000	0.00000	3.98800	No	2.25000
839	GLOBAL	Cartesian	2.25000	0.00000	4.07477	No	2.25000
840	GLOBAL	Cartesian	2.25000	0.00000	4.16155	No	2.25000
841	GLOBAL	Cartesian	2.25000	0.00000	4.24832	No	2.25000
842	GLOBAL	Cartesian	2.40000	0.00000	1.59807	No	2.40000
843	GLOBAL	Cartesian	2.40000	0.00000	1.68484	No	2.40000
844	GLOBAL	Cartesian	2.40000	0.00000	1.77162	No	2.40000
845	GLOBAL	Cartesian	2.40000	0.00000	1.85839	No	2.40000
846	GLOBAL	Cartesian	2.40000	0.00000	1.94517	No	2.40000
847	GLOBAL	Cartesian	2.40000	0.00000	2.03195	No	2.40000
848	GLOBAL	Cartesian	2.40000	0.00000	2.11872	No	2.40000
849	GLOBAL	Cartesian	2.40000	0.00000	2.20550	No	2.40000
850	GLOBAL	Cartesian	2.40000	0.00000	2.29227	No	2.40000
851	GLOBAL	Cartesian	2.40000	0.00000	2.42603	No	2.40000
852	GLOBAL	Cartesian	2.40000	0.00000	2.51281	No	2.40000
853	GLOBAL	Cartesian	2.40000	0.00000	2.59959	No	2.40000
854	GLOBAL	Cartesian	2.40000	0.00000	2.68636	No	2.40000
855	GLOBAL	Cartesian	2.40000	0.00000	2.77314	No	2.40000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

856	GLOBAL	Cartesian	2.40000	0.00000	2.85991	No	2.40000
857	GLOBAL	Cartesian	2.40000	0.00000	2.94669	No	2.40000
858	GLOBAL	Cartesian	2.40000	0.00000	3.03346	No	2.40000
859	GLOBAL	Cartesian	2.40000	0.00000	3.12024	No	2.40000
860	GLOBAL	Cartesian	2.40000	0.00000	3.20702	No	2.40000
861	GLOBAL	Cartesian	2.40000	0.00000	3.29379	No	2.40000
862	GLOBAL	Cartesian	2.40000	0.00000	3.38057	No	2.40000
863	GLOBAL	Cartesian	2.40000	0.00000	3.55000	No	2.40000
865	GLOBAL	Cartesian	2.40000	0.00000	3.64089	No	2.40000
866	GLOBAL	Cartesian	2.40000	0.00000	3.72767	No	2.40000
867	GLOBAL	Cartesian	2.40000	0.00000	3.81444	No	2.40000
868	GLOBAL	Cartesian	2.40000	0.00000	3.90122	No	2.40000
869	GLOBAL	Cartesian	2.40000	0.00000	3.98800	No	2.40000
870	GLOBAL	Cartesian	2.40000	0.00000	4.07477	No	2.40000
871	GLOBAL	Cartesian	2.40000	0.00000	4.16155	No	2.40000
872	GLOBAL	Cartesian	2.55000	0.00000	1.59807	No	2.55000
873	GLOBAL	Cartesian	2.55000	0.00000	1.68484	No	2.55000
874	GLOBAL	Cartesian	2.55000	0.00000	1.77162	No	2.55000
875	GLOBAL	Cartesian	2.55000	0.00000	1.85839	No	2.55000
876	GLOBAL	Cartesian	2.55000	0.00000	1.94517	No	2.55000
877	GLOBAL	Cartesian	2.55000	0.00000	2.03195	No	2.55000
878	GLOBAL	Cartesian	2.55000	0.00000	2.11872	No	2.55000
879	GLOBAL	Cartesian	2.55000	0.00000	2.20550	No	2.55000
880	GLOBAL	Cartesian	2.55000	0.00000	2.29227	No	2.55000
881	GLOBAL	Cartesian	2.55000	0.00000	2.42603	No	2.55000
882	GLOBAL	Cartesian	2.55000	0.00000	2.51281	No	2.55000
883	GLOBAL	Cartesian	2.55000	0.00000	2.59959	No	2.55000
884	GLOBAL	Cartesian	2.55000	0.00000	2.68636	No	2.55000
885	GLOBAL	Cartesian	2.55000	0.00000	2.77314	No	2.55000
886	GLOBAL	Cartesian	2.55000	0.00000	2.85991	No	2.55000
887	GLOBAL	Cartesian	2.55000	0.00000	2.94669	No	2.55000
888	GLOBAL	Cartesian	2.55000	0.00000	3.03346	No	2.55000
889	GLOBAL	Cartesian	2.55000	0.00000	3.12024	No	2.55000
890	GLOBAL	Cartesian	2.55000	0.00000	3.20702	No	2.55000
891	GLOBAL	Cartesian	2.55000	0.00000	3.29379	No	2.55000
892	GLOBAL	Cartesian	2.55000	0.00000	3.38057	No	2.55000
893	GLOBAL	Cartesian	2.55000	0.00000	3.55000	No	2.55000
895	GLOBAL	Cartesian	2.55000	0.00000	3.64089	No	2.55000
896	GLOBAL	Cartesian	2.55000	0.00000	3.72767	No	2.55000
897	GLOBAL	Cartesian	2.55000	0.00000	3.81444	No	2.55000
898	GLOBAL	Cartesian	2.55000	0.00000	3.90122	No	2.55000
899	GLOBAL	Cartesian	2.55000	0.00000	3.98800	No	2.55000
900	GLOBAL	Cartesian	2.55000	0.00000	4.07477	No	2.55000
901	GLOBAL	Cartesian	2.70000	0.00000	1.59807	No	2.70000
902	GLOBAL	Cartesian	2.70000	0.00000	1.68484	No	2.70000
903	GLOBAL	Cartesian	2.70000	0.00000	1.77162	No	2.70000
904	GLOBAL	Cartesian	2.70000	0.00000	1.85839	No	2.70000
905	GLOBAL	Cartesian	2.70000	0.00000	1.94517	No	2.70000
906	GLOBAL	Cartesian	2.70000	0.00000	2.03195	No	2.70000
907	GLOBAL	Cartesian	2.70000	0.00000	2.11872	No	2.70000
908	GLOBAL	Cartesian	2.70000	0.00000	2.20550	No	2.70000
909	GLOBAL	Cartesian	2.70000	0.00000	2.29227	No	2.70000
910	GLOBAL	Cartesian	2.70000	0.00000	2.42603	No	2.70000
911	GLOBAL	Cartesian	2.70000	0.00000	2.51281	No	2.70000
912	GLOBAL	Cartesian	2.70000	0.00000	2.59959	No	2.70000
913	GLOBAL	Cartesian	2.70000	0.00000	2.68636	No	2.70000
914	GLOBAL	Cartesian	2.70000	0.00000	2.77314	No	2.70000
915	GLOBAL	Cartesian	2.70000	0.00000	2.85991	No	2.70000
916	GLOBAL	Cartesian	2.70000	0.00000	2.94669	No	2.70000
917	GLOBAL	Cartesian	2.70000	0.00000	3.03346	No	2.70000
918	GLOBAL	Cartesian	2.70000	0.00000	3.12024	No	2.70000
919	GLOBAL	Cartesian	2.70000	0.00000	3.20702	No	2.70000
920	GLOBAL	Cartesian	2.70000	0.00000	3.29379	No	2.70000
921	GLOBAL	Cartesian	2.70000	0.00000	3.38057	No	2.70000
922	GLOBAL	Cartesian	2.70000	0.00000	3.55000	No	2.70000
924	GLOBAL	Cartesian	2.70000	0.00000	3.64089	No	2.70000
925	GLOBAL	Cartesian	2.70000	0.00000	3.72767	No	2.70000
926	GLOBAL	Cartesian	2.70000	0.00000	3.81444	No	2.70000
927	GLOBAL	Cartesian	2.70000	0.00000	3.90122	No	2.70000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

928	GLOBAL	Cartesian	2.70000	0.00000	3.98800	No	2.70000
929	GLOBAL	Cartesian	2.85000	0.00000	1.59807	No	2.85000
930	GLOBAL	Cartesian	2.85000	0.00000	1.68484	No	2.85000
931	GLOBAL	Cartesian	2.85000	0.00000	1.77162	No	2.85000
932	GLOBAL	Cartesian	2.85000	0.00000	1.85839	No	2.85000
933	GLOBAL	Cartesian	2.85000	0.00000	1.94517	No	2.85000
934	GLOBAL	Cartesian	2.85000	0.00000	2.03195	No	2.85000
935	GLOBAL	Cartesian	2.85000	0.00000	2.11872	No	2.85000
936	GLOBAL	Cartesian	2.85000	0.00000	2.20550	No	2.85000
937	GLOBAL	Cartesian	2.85000	0.00000	2.29227	No	2.85000
938	GLOBAL	Cartesian	2.85000	0.00000	2.42603	No	2.85000
939	GLOBAL	Cartesian	2.85000	0.00000	2.51281	No	2.85000
940	GLOBAL	Cartesian	2.85000	0.00000	2.59959	No	2.85000
941	GLOBAL	Cartesian	2.85000	0.00000	2.68636	No	2.85000
942	GLOBAL	Cartesian	2.85000	0.00000	2.77314	No	2.85000
943	GLOBAL	Cartesian	2.85000	0.00000	2.85991	No	2.85000
944	GLOBAL	Cartesian	2.85000	0.00000	2.94669	No	2.85000
945	GLOBAL	Cartesian	2.85000	0.00000	3.03346	No	2.85000
946	GLOBAL	Cartesian	2.85000	0.00000	3.12024	No	2.85000
947	GLOBAL	Cartesian	2.85000	0.00000	3.20702	No	2.85000
948	GLOBAL	Cartesian	2.85000	0.00000	3.29379	No	2.85000
949	GLOBAL	Cartesian	2.85000	0.00000	3.38057	No	2.85000
950	GLOBAL	Cartesian	2.85000	0.00000	3.55000	No	2.85000
952	GLOBAL	Cartesian	2.85000	0.00000	3.64089	No	2.85000
953	GLOBAL	Cartesian	2.85000	0.00000	3.72767	No	2.85000
954	GLOBAL	Cartesian	2.85000	0.00000	3.81444	No	2.85000
955	GLOBAL	Cartesian	2.85000	0.00000	3.90122	No	2.85000
956	GLOBAL	Cartesian	3.00000	0.00000	1.59807	No	3.00000
957	GLOBAL	Cartesian	3.00000	0.00000	1.68484	No	3.00000
958	GLOBAL	Cartesian	3.00000	0.00000	1.77162	No	3.00000
959	GLOBAL	Cartesian	3.00000	0.00000	1.85839	No	3.00000
960	GLOBAL	Cartesian	3.00000	0.00000	1.94517	No	3.00000
961	GLOBAL	Cartesian	3.00000	0.00000	2.03195	No	3.00000
962	GLOBAL	Cartesian	3.00000	0.00000	2.11872	No	3.00000
963	GLOBAL	Cartesian	3.00000	0.00000	2.20550	No	3.00000
964	GLOBAL	Cartesian	3.00000	0.00000	2.29227	No	3.00000
965	GLOBAL	Cartesian	3.00000	0.00000	2.42603	No	3.00000
966	GLOBAL	Cartesian	3.00000	0.00000	2.51281	No	3.00000
967	GLOBAL	Cartesian	3.00000	0.00000	2.59959	No	3.00000
968	GLOBAL	Cartesian	3.00000	0.00000	2.68636	No	3.00000
969	GLOBAL	Cartesian	3.00000	0.00000	2.77314	No	3.00000
970	GLOBAL	Cartesian	3.00000	0.00000	2.85991	No	3.00000
971	GLOBAL	Cartesian	3.00000	0.00000	2.94669	No	3.00000
972	GLOBAL	Cartesian	3.00000	0.00000	3.03346	No	3.00000
973	GLOBAL	Cartesian	3.00000	0.00000	3.12024	No	3.00000
974	GLOBAL	Cartesian	3.00000	0.00000	3.20702	No	3.00000
975	GLOBAL	Cartesian	3.00000	0.00000	3.29379	No	3.00000
976	GLOBAL	Cartesian	3.00000	0.00000	3.38057	No	3.00000
977	GLOBAL	Cartesian	3.00000	0.00000	3.55000	No	3.00000
979	GLOBAL	Cartesian	3.00000	0.00000	3.64089	No	3.00000
980	GLOBAL	Cartesian	3.00000	0.00000	3.72767	No	3.00000
981	GLOBAL	Cartesian	3.00000	0.00000	3.81444	No	3.00000
982	GLOBAL	Cartesian	3.15000	0.00000	0.14996	No	3.15000
983	GLOBAL	Cartesian	3.15000	0.00000	0.29996	No	3.15000
984	GLOBAL	Cartesian	3.15000	0.00000	0.44996	No	3.15000
985	GLOBAL	Cartesian	3.15000	0.00000	0.59996	No	3.15000
986	GLOBAL	Cartesian	3.15000	0.00000	0.74996	No	3.15000
987	GLOBAL	Cartesian	3.15000	0.00000	0.89996	No	3.15000
988	GLOBAL	Cartesian	3.15000	0.00000	1.04996	No	3.15000
989	GLOBAL	Cartesian	3.15000	0.00000	1.19996	No	3.15000
990	GLOBAL	Cartesian	3.15000	0.00000	1.34996	No	3.15000
991	GLOBAL	Cartesian	3.15000	0.00000	1.42452	No	3.15000
992	GLOBAL	Cartesian	3.15000	0.00000	1.59807	No	3.15000
993	GLOBAL	Cartesian	3.15000	0.00000	1.68484	No	3.15000
994	GLOBAL	Cartesian	3.15000	0.00000	1.77162	No	3.15000
995	GLOBAL	Cartesian	3.15000	0.00000	1.85839	No	3.15000
996	GLOBAL	Cartesian	3.15000	0.00000	1.94517	No	3.15000
997	GLOBAL	Cartesian	3.15000	0.00000	2.03195	No	3.15000
998	GLOBAL	Cartesian	3.15000	0.00000	2.11872	No	3.15000

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

999	GLOBAL	Cartesian	3.15000	0.00000	2.20550	No	3.15000
1000	GLOBAL	Cartesian	3.15000	0.00000	2.29227	No	3.15000
1001	GLOBAL	Cartesian	3.15000	0.00000	2.42603	No	3.15000
1002	GLOBAL	Cartesian	3.15000	0.00000	2.51281	No	3.15000
1003	GLOBAL	Cartesian	3.15000	0.00000	2.59959	No	3.15000
1004	GLOBAL	Cartesian	3.15000	0.00000	2.68636	No	3.15000
1005	GLOBAL	Cartesian	3.15000	0.00000	2.77314	No	3.15000
1006	GLOBAL	Cartesian	3.15000	0.00000	2.85991	No	3.15000
1007	GLOBAL	Cartesian	3.15000	0.00000	2.94669	No	3.15000
1008	GLOBAL	Cartesian	3.15000	0.00000	3.03346	No	3.15000
1009	GLOBAL	Cartesian	3.15000	0.00000	3.12024	No	3.15000
1010	GLOBAL	Cartesian	3.15000	0.00000	3.20702	No	3.15000
1011	GLOBAL	Cartesian	3.15000	0.00000	3.29379	No	3.15000
1012	GLOBAL	Cartesian	3.15000	0.00000	3.38057	No	3.15000
1013	GLOBAL	Cartesian	3.15000	0.00000	3.55000	No	3.15000
1015	GLOBAL	Cartesian	3.15000	0.00000	3.64089	No	3.15000
1016	GLOBAL	Cartesian	3.15000	0.00000	3.72767	No	3.15000
1017	GLOBAL	Cartesian	3.30000	0.00000	0.14996	No	3.30000
1018	GLOBAL	Cartesian	3.30000	0.00000	0.29996	No	3.30000
1019	GLOBAL	Cartesian	3.30000	0.00000	0.44996	No	3.30000
1020	GLOBAL	Cartesian	3.30000	0.00000	0.59996	No	3.30000
1021	GLOBAL	Cartesian	3.30000	0.00000	0.74996	No	3.30000
1022	GLOBAL	Cartesian	3.30000	0.00000	0.89996	No	3.30000
1023	GLOBAL	Cartesian	3.30000	0.00000	1.04996	No	3.30000
1024	GLOBAL	Cartesian	3.30000	0.00000	1.19996	No	3.30000
1025	GLOBAL	Cartesian	3.30000	0.00000	1.34996	No	3.30000
1026	GLOBAL	Cartesian	3.30000	0.00000	1.42452	No	3.30000
1027	GLOBAL	Cartesian	3.30000	0.00000	1.51129	No	3.30000
1028	GLOBAL	Cartesian	3.30000	0.00000	1.59807	No	3.30000
1029	GLOBAL	Cartesian	3.30000	0.00000	1.68484	No	3.30000
1030	GLOBAL	Cartesian	3.30000	0.00000	1.77162	No	3.30000
1031	GLOBAL	Cartesian	3.30000	0.00000	1.85839	No	3.30000
1032	GLOBAL	Cartesian	3.30000	0.00000	1.94517	No	3.30000
1033	GLOBAL	Cartesian	3.30000	0.00000	2.03195	No	3.30000
1034	GLOBAL	Cartesian	3.30000	0.00000	2.11872	No	3.30000
1035	GLOBAL	Cartesian	3.30000	0.00000	2.20550	No	3.30000
1036	GLOBAL	Cartesian	3.30000	0.00000	2.29227	No	3.30000
1037	GLOBAL	Cartesian	3.30000	0.00000	2.42603	No	3.30000
1038	GLOBAL	Cartesian	3.30000	0.00000	2.51281	No	3.30000
1039	GLOBAL	Cartesian	3.30000	0.00000	2.59959	No	3.30000
1040	GLOBAL	Cartesian	3.30000	0.00000	2.68636	No	3.30000
1041	GLOBAL	Cartesian	3.30000	0.00000	2.77314	No	3.30000
1042	GLOBAL	Cartesian	3.30000	0.00000	2.85991	No	3.30000
1043	GLOBAL	Cartesian	3.30000	0.00000	2.94669	No	3.30000
1044	GLOBAL	Cartesian	3.30000	0.00000	3.03346	No	3.30000
1045	GLOBAL	Cartesian	3.30000	0.00000	3.12024	No	3.30000
1046	GLOBAL	Cartesian	3.30000	0.00000	3.20702	No	3.30000
1047	GLOBAL	Cartesian	3.30000	0.00000	3.29379	No	3.30000
1048	GLOBAL	Cartesian	3.30000	0.00000	3.38057	No	3.30000
1049	GLOBAL	Cartesian	3.30000	0.00000	3.55000	No	3.30000
1051	GLOBAL	Cartesian	3.30000	0.00000	3.64089	No	3.30000
1052	GLOBAL	Cartesian	3.45000	0.00000	0.14996	No	3.45000
1053	GLOBAL	Cartesian	3.45000	0.00000	0.29996	No	3.45000
1054	GLOBAL	Cartesian	3.45000	0.00000	0.44996	No	3.45000
1055	GLOBAL	Cartesian	3.45000	0.00000	0.59996	No	3.45000
1056	GLOBAL	Cartesian	3.45000	0.00000	0.74996	No	3.45000
1057	GLOBAL	Cartesian	3.45000	0.00000	0.89996	No	3.45000
1058	GLOBAL	Cartesian	3.45000	0.00000	1.04996	No	3.45000
1059	GLOBAL	Cartesian	3.45000	0.00000	1.19996	No	3.45000
1060	GLOBAL	Cartesian	3.45000	0.00000	1.34996	No	3.45000
1061	GLOBAL	Cartesian	3.45000	0.00000	1.42452	No	3.45000
1062	GLOBAL	Cartesian	3.45000	0.00000	1.51129	No	3.45000
1063	GLOBAL	Cartesian	3.45000	0.00000	1.59807	No	3.45000
1064	GLOBAL	Cartesian	3.45000	0.00000	1.68484	No	3.45000
1065	GLOBAL	Cartesian	3.45000	0.00000	1.77162	No	3.45000
1066	GLOBAL	Cartesian	3.45000	0.00000	1.85839	No	3.45000
1067	GLOBAL	Cartesian	3.45000	0.00000	1.94517	No	3.45000
1068	GLOBAL	Cartesian	3.45000	0.00000	2.03195	No	3.45000
1069	GLOBAL	Cartesian	3.45000	0.00000	2.11872	No	3.45000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1070	GLOBAL	Cartesian	3.45000	0.00000	2.20550	No	3.45000
1071	GLOBAL	Cartesian	3.45000	0.00000	2.29227	No	3.45000
1072	GLOBAL	Cartesian	3.45000	0.00000	2.42603	No	3.45000
1073	GLOBAL	Cartesian	3.45000	0.00000	2.51281	No	3.45000
1074	GLOBAL	Cartesian	3.45000	0.00000	2.59959	No	3.45000
1075	GLOBAL	Cartesian	3.45000	0.00000	2.68636	No	3.45000
1076	GLOBAL	Cartesian	3.45000	0.00000	2.77314	No	3.45000
1077	GLOBAL	Cartesian	3.45000	0.00000	2.85991	No	3.45000
1078	GLOBAL	Cartesian	3.45000	0.00000	2.94669	No	3.45000
1079	GLOBAL	Cartesian	3.45000	0.00000	3.03346	No	3.45000
1080	GLOBAL	Cartesian	3.45000	0.00000	3.12024	No	3.45000
1081	GLOBAL	Cartesian	3.45000	0.00000	3.20702	No	3.45000
1082	GLOBAL	Cartesian	3.45000	0.00000	3.29379	No	3.45000
1083	GLOBAL	Cartesian	3.45000	0.00000	3.38057	No	3.45000
1084	GLOBAL	Cartesian	3.45000	0.00000	3.55000	No	3.45000
1086	GLOBAL	Cartesian	3.60000	0.00000	0.14996	No	3.60000
1087	GLOBAL	Cartesian	3.60000	0.00000	0.29996	No	3.60000
1088	GLOBAL	Cartesian	3.60000	0.00000	0.44996	No	3.60000
1089	GLOBAL	Cartesian	3.60000	0.00000	0.59996	No	3.60000
1090	GLOBAL	Cartesian	3.60000	0.00000	0.74996	No	3.60000
1091	GLOBAL	Cartesian	3.60000	0.00000	0.89996	No	3.60000
1092	GLOBAL	Cartesian	3.60000	0.00000	1.04996	No	3.60000
1093	GLOBAL	Cartesian	3.60000	0.00000	1.19996	No	3.60000
1094	GLOBAL	Cartesian	3.60000	0.00000	1.34996	No	3.60000
1095	GLOBAL	Cartesian	3.60000	0.00000	1.42452	No	3.60000
1096	GLOBAL	Cartesian	3.60000	0.00000	1.51129	No	3.60000
1097	GLOBAL	Cartesian	3.60000	0.00000	1.59807	No	3.60000
1098	GLOBAL	Cartesian	3.60000	0.00000	1.68484	No	3.60000
1099	GLOBAL	Cartesian	3.60000	0.00000	1.77162	No	3.60000
1100	GLOBAL	Cartesian	3.60000	0.00000	1.85839	No	3.60000
1101	GLOBAL	Cartesian	3.60000	0.00000	1.94517	No	3.60000
1102	GLOBAL	Cartesian	3.60000	0.00000	2.03195	No	3.60000
1103	GLOBAL	Cartesian	3.60000	0.00000	2.11872	No	3.60000
1104	GLOBAL	Cartesian	3.60000	0.00000	2.20550	No	3.60000
1105	GLOBAL	Cartesian	3.60000	0.00000	2.29227	No	3.60000
1106	GLOBAL	Cartesian	3.60000	0.00000	2.42603	No	3.60000
1107	GLOBAL	Cartesian	3.60000	0.00000	2.51281	No	3.60000
1108	GLOBAL	Cartesian	3.60000	0.00000	2.59959	No	3.60000
1109	GLOBAL	Cartesian	3.60000	0.00000	2.68636	No	3.60000
1110	GLOBAL	Cartesian	3.60000	0.00000	2.77314	No	3.60000
1111	GLOBAL	Cartesian	3.60000	0.00000	2.85991	No	3.60000
1112	GLOBAL	Cartesian	3.60000	0.00000	2.94669	No	3.60000
1113	GLOBAL	Cartesian	3.60000	0.00000	3.03346	No	3.60000
1114	GLOBAL	Cartesian	3.60000	0.00000	3.12024	No	3.60000
1115	GLOBAL	Cartesian	3.60000	0.00000	3.20702	No	3.60000
1116	GLOBAL	Cartesian	3.60000	0.00000	3.29379	No	3.60000
1117	GLOBAL	Cartesian	3.60000	0.00000	3.38057	No	3.60000
1119	GLOBAL	Cartesian	3.75000	0.00000	0.14996	No	3.75000
1120	GLOBAL	Cartesian	3.75000	0.00000	0.29996	No	3.75000
1121	GLOBAL	Cartesian	3.75000	0.00000	0.44996	No	3.75000
1122	GLOBAL	Cartesian	3.75000	0.00000	0.59996	No	3.75000
1123	GLOBAL	Cartesian	3.75000	0.00000	0.74996	No	3.75000
1124	GLOBAL	Cartesian	3.75000	0.00000	0.89996	No	3.75000
1125	GLOBAL	Cartesian	3.75000	0.00000	1.04996	No	3.75000
1126	GLOBAL	Cartesian	3.75000	0.00000	1.19996	No	3.75000
1127	GLOBAL	Cartesian	3.75000	0.00000	1.34996	No	3.75000
1128	GLOBAL	Cartesian	3.75000	0.00000	1.42452	No	3.75000
1129	GLOBAL	Cartesian	3.75000	0.00000	1.51129	No	3.75000
1130	GLOBAL	Cartesian	3.75000	0.00000	1.59807	No	3.75000
1131	GLOBAL	Cartesian	3.75000	0.00000	1.68484	No	3.75000
1132	GLOBAL	Cartesian	3.75000	0.00000	1.77162	No	3.75000
1133	GLOBAL	Cartesian	3.75000	0.00000	1.85839	No	3.75000
1134	GLOBAL	Cartesian	3.75000	0.00000	1.94517	No	3.75000
1135	GLOBAL	Cartesian	3.75000	0.00000	2.03195	No	3.75000
1136	GLOBAL	Cartesian	3.75000	0.00000	2.11872	No	3.75000
1137	GLOBAL	Cartesian	3.75000	0.00000	2.20550	No	3.75000
1138	GLOBAL	Cartesian	3.75000	0.00000	2.29227	No	3.75000
1139	GLOBAL	Cartesian	3.75000	0.00000	2.42603	No	3.75000
1140	GLOBAL	Cartesian	3.75000	0.00000	2.51281	No	3.75000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1141	GLOBAL	Cartesian	3.75000	0.00000	2.59959	No	3.75000
1142	GLOBAL	Cartesian	3.75000	0.00000	2.68636	No	3.75000
1143	GLOBAL	Cartesian	3.75000	0.00000	2.77314	No	3.75000
1144	GLOBAL	Cartesian	3.75000	0.00000	2.85991	No	3.75000
1145	GLOBAL	Cartesian	3.75000	0.00000	2.94669	No	3.75000
1146	GLOBAL	Cartesian	3.75000	0.00000	3.03346	No	3.75000
1147	GLOBAL	Cartesian	3.75000	0.00000	3.12024	No	3.75000
1148	GLOBAL	Cartesian	3.75000	0.00000	3.20702	No	3.75000
1149	GLOBAL	Cartesian	3.75000	0.00000	3.29379	No	3.75000
1150	GLOBAL	Cartesian	3.75000	0.00000	3.38057	No	3.75000
1151	GLOBAL	Cartesian	3.90000	0.00000	0.14996	No	3.90000
1152	GLOBAL	Cartesian	3.90000	0.00000	0.29996	No	3.90000
1153	GLOBAL	Cartesian	3.90000	0.00000	0.44996	No	3.90000
1154	GLOBAL	Cartesian	3.90000	0.00000	0.59996	No	3.90000
1155	GLOBAL	Cartesian	3.90000	0.00000	0.74996	No	3.90000
1156	GLOBAL	Cartesian	3.90000	0.00000	0.89996	No	3.90000
1157	GLOBAL	Cartesian	3.90000	0.00000	1.04996	No	3.90000
1158	GLOBAL	Cartesian	3.90000	0.00000	1.19996	No	3.90000
1159	GLOBAL	Cartesian	3.90000	0.00000	1.34996	No	3.90000
1160	GLOBAL	Cartesian	3.90000	0.00000	1.42452	No	3.90000
1161	GLOBAL	Cartesian	3.90000	0.00000	1.51129	No	3.90000
1162	GLOBAL	Cartesian	3.90000	0.00000	1.59807	No	3.90000
1163	GLOBAL	Cartesian	3.90000	0.00000	1.68484	No	3.90000
1164	GLOBAL	Cartesian	3.90000	0.00000	1.77162	No	3.90000
1165	GLOBAL	Cartesian	3.90000	0.00000	1.85839	No	3.90000
1166	GLOBAL	Cartesian	3.90000	0.00000	1.94517	No	3.90000
1167	GLOBAL	Cartesian	3.90000	0.00000	2.03195	No	3.90000
1168	GLOBAL	Cartesian	3.90000	0.00000	2.11872	No	3.90000
1169	GLOBAL	Cartesian	3.90000	0.00000	2.20550	No	3.90000
1170	GLOBAL	Cartesian	3.90000	0.00000	2.29227	No	3.90000
1171	GLOBAL	Cartesian	3.90000	0.00000	2.42603	No	3.90000
1172	GLOBAL	Cartesian	3.90000	0.00000	2.51281	No	3.90000
1173	GLOBAL	Cartesian	3.90000	0.00000	2.59959	No	3.90000
1174	GLOBAL	Cartesian	3.90000	0.00000	2.68636	No	3.90000
1175	GLOBAL	Cartesian	3.90000	0.00000	2.77314	No	3.90000
1176	GLOBAL	Cartesian	3.90000	0.00000	2.85991	No	3.90000
1177	GLOBAL	Cartesian	3.90000	0.00000	2.94669	No	3.90000
1178	GLOBAL	Cartesian	3.90000	0.00000	3.03346	No	3.90000
1179	GLOBAL	Cartesian	3.90000	0.00000	3.12024	No	3.90000
1180	GLOBAL	Cartesian	3.90000	0.00000	3.20702	No	3.90000
1181	GLOBAL	Cartesian	3.90000	0.00000	3.29379	No	3.90000
1182	GLOBAL	Cartesian	4.05000	0.00000	0.14996	No	4.05000
1183	GLOBAL	Cartesian	4.05000	0.00000	0.29996	No	4.05000
1184	GLOBAL	Cartesian	4.05000	0.00000	0.44996	No	4.05000
1185	GLOBAL	Cartesian	4.05000	0.00000	0.59996	No	4.05000
1186	GLOBAL	Cartesian	4.05000	0.00000	0.74996	No	4.05000
1187	GLOBAL	Cartesian	4.05000	0.00000	0.89996	No	4.05000
1188	GLOBAL	Cartesian	4.05000	0.00000	1.04996	No	4.05000
1189	GLOBAL	Cartesian	4.05000	0.00000	1.19996	No	4.05000
1190	GLOBAL	Cartesian	4.05000	0.00000	1.34996	No	4.05000
1191	GLOBAL	Cartesian	4.05000	0.00000	1.42452	No	4.05000
1192	GLOBAL	Cartesian	4.05000	0.00000	1.51129	No	4.05000
1193	GLOBAL	Cartesian	4.05000	0.00000	1.59807	No	4.05000
1194	GLOBAL	Cartesian	4.05000	0.00000	1.68484	No	4.05000
1195	GLOBAL	Cartesian	4.05000	0.00000	1.77162	No	4.05000
1196	GLOBAL	Cartesian	4.05000	0.00000	1.85839	No	4.05000
1197	GLOBAL	Cartesian	4.05000	0.00000	1.94517	No	4.05000
1198	GLOBAL	Cartesian	4.05000	0.00000	2.03195	No	4.05000
1199	GLOBAL	Cartesian	4.05000	0.00000	2.11872	No	4.05000
1200	GLOBAL	Cartesian	4.05000	0.00000	2.20550	No	4.05000
1201	GLOBAL	Cartesian	4.05000	0.00000	2.29227	No	4.05000
1202	GLOBAL	Cartesian	4.05000	0.00000	2.42603	No	4.05000
1203	GLOBAL	Cartesian	4.05000	0.00000	2.51281	No	4.05000
1204	GLOBAL	Cartesian	4.05000	0.00000	2.59959	No	4.05000
1205	GLOBAL	Cartesian	4.05000	0.00000	2.68636	No	4.05000
1206	GLOBAL	Cartesian	4.05000	0.00000	2.77314	No	4.05000
1207	GLOBAL	Cartesian	4.05000	0.00000	2.85991	No	4.05000
1208	GLOBAL	Cartesian	4.05000	0.00000	2.94669	No	4.05000
1209	GLOBAL	Cartesian	4.05000	0.00000	3.03346	No	4.05000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1210	GLOBAL	Cartesian	4.05000	0.00000	3.12024	No	4.05000
1211	GLOBAL	Cartesian	4.05000	0.00000	3.20702	No	4.05000
1212	GLOBAL	Cartesian	4.20000	0.00000	0.14996	No	4.20000
1213	GLOBAL	Cartesian	4.20000	0.00000	0.29996	No	4.20000
1214	GLOBAL	Cartesian	4.20000	0.00000	0.44996	No	4.20000
1215	GLOBAL	Cartesian	4.20000	0.00000	0.59996	No	4.20000
1216	GLOBAL	Cartesian	4.20000	0.00000	0.74996	No	4.20000
1217	GLOBAL	Cartesian	4.20000	0.00000	0.89996	No	4.20000
1218	GLOBAL	Cartesian	4.20000	0.00000	1.04996	No	4.20000
1219	GLOBAL	Cartesian	4.20000	0.00000	1.19996	No	4.20000
1220	GLOBAL	Cartesian	4.20000	0.00000	1.34996	No	4.20000
1221	GLOBAL	Cartesian	4.20000	0.00000	1.42452	No	4.20000
1222	GLOBAL	Cartesian	4.20000	0.00000	1.51129	No	4.20000
1223	GLOBAL	Cartesian	4.20000	0.00000	1.59807	No	4.20000
1224	GLOBAL	Cartesian	4.20000	0.00000	1.68484	No	4.20000
1225	GLOBAL	Cartesian	4.20000	0.00000	1.77162	No	4.20000
1226	GLOBAL	Cartesian	4.20000	0.00000	1.85839	No	4.20000
1227	GLOBAL	Cartesian	4.20000	0.00000	1.94517	No	4.20000
1228	GLOBAL	Cartesian	4.20000	0.00000	2.03195	No	4.20000
1229	GLOBAL	Cartesian	4.20000	0.00000	2.11872	No	4.20000
1230	GLOBAL	Cartesian	4.20000	0.00000	2.20550	No	4.20000
1231	GLOBAL	Cartesian	4.20000	0.00000	2.29227	No	4.20000
1232	GLOBAL	Cartesian	4.20000	0.00000	2.42603	No	4.20000
1233	GLOBAL	Cartesian	4.20000	0.00000	2.51281	No	4.20000
1234	GLOBAL	Cartesian	4.20000	0.00000	2.59959	No	4.20000
1235	GLOBAL	Cartesian	4.20000	0.00000	2.68636	No	4.20000
1236	GLOBAL	Cartesian	4.20000	0.00000	2.77314	No	4.20000
1237	GLOBAL	Cartesian	4.20000	0.00000	2.85991	No	4.20000
1238	GLOBAL	Cartesian	4.20000	0.00000	2.94669	No	4.20000
1239	GLOBAL	Cartesian	4.20000	0.00000	3.03346	No	4.20000
1240	GLOBAL	Cartesian	4.20000	0.00000	3.12024	No	4.20000
1241	GLOBAL	Cartesian	4.35000	0.00000	0.14996	No	4.35000
1242	GLOBAL	Cartesian	4.35000	0.00000	0.29996	No	4.35000
1243	GLOBAL	Cartesian	4.35000	0.00000	0.44996	No	4.35000
1244	GLOBAL	Cartesian	4.35000	0.00000	0.59996	No	4.35000
1245	GLOBAL	Cartesian	4.35000	0.00000	0.74996	No	4.35000
1246	GLOBAL	Cartesian	4.35000	0.00000	0.89996	No	4.35000
1247	GLOBAL	Cartesian	4.35000	0.00000	1.04996	No	4.35000
1248	GLOBAL	Cartesian	4.35000	0.00000	1.19996	No	4.35000
1249	GLOBAL	Cartesian	4.35000	0.00000	1.34996	No	4.35000
1250	GLOBAL	Cartesian	4.35000	0.00000	1.42452	No	4.35000
1251	GLOBAL	Cartesian	4.35000	0.00000	1.51129	No	4.35000
1252	GLOBAL	Cartesian	4.35000	0.00000	1.59807	No	4.35000
1253	GLOBAL	Cartesian	4.35000	0.00000	1.68484	No	4.35000
1254	GLOBAL	Cartesian	4.35000	0.00000	1.77162	No	4.35000
1255	GLOBAL	Cartesian	4.35000	0.00000	1.85839	No	4.35000
1256	GLOBAL	Cartesian	4.35000	0.00000	1.94517	No	4.35000
1257	GLOBAL	Cartesian	4.35000	0.00000	2.03195	No	4.35000
1258	GLOBAL	Cartesian	4.35000	0.00000	2.11872	No	4.35000
1259	GLOBAL	Cartesian	4.35000	0.00000	2.20550	No	4.35000
1260	GLOBAL	Cartesian	4.35000	0.00000	2.29227	No	4.35000
1261	GLOBAL	Cartesian	4.35000	0.00000	2.42603	No	4.35000
1262	GLOBAL	Cartesian	4.35000	0.00000	2.51281	No	4.35000
1263	GLOBAL	Cartesian	4.35000	0.00000	2.59959	No	4.35000
1264	GLOBAL	Cartesian	4.35000	0.00000	2.68636	No	4.35000
1265	GLOBAL	Cartesian	4.35000	0.00000	2.77314	No	4.35000
1266	GLOBAL	Cartesian	4.35000	0.00000	2.85991	No	4.35000
1267	GLOBAL	Cartesian	4.35000	0.00000	2.94669	No	4.35000
1268	GLOBAL	Cartesian	4.35000	0.00000	3.03346	No	4.35000
1269	GLOBAL	Cartesian	4.50000	0.00000	0.14996	No	4.50000
1270	GLOBAL	Cartesian	4.50000	0.00000	0.29996	No	4.50000
1271	GLOBAL	Cartesian	4.50000	0.00000	0.44996	No	4.50000
1272	GLOBAL	Cartesian	4.50000	0.00000	0.59996	No	4.50000
1273	GLOBAL	Cartesian	4.50000	0.00000	0.74996	No	4.50000
1274	GLOBAL	Cartesian	4.50000	0.00000	0.89996	No	4.50000
1275	GLOBAL	Cartesian	4.50000	0.00000	1.04996	No	4.50000
1276	GLOBAL	Cartesian	4.50000	0.00000	1.19996	No	4.50000
1277	GLOBAL	Cartesian	4.50000	0.00000	1.34996	No	4.50000
1278	GLOBAL	Cartesian	4.50000	0.00000	1.42452	No	4.50000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1279	GLOBAL	Cartesian	4.50000	0.00000	1.51129	No	4.50000
1280	GLOBAL	Cartesian	4.50000	0.00000	1.59807	No	4.50000
1281	GLOBAL	Cartesian	4.50000	0.00000	1.68484	No	4.50000
1282	GLOBAL	Cartesian	4.50000	0.00000	1.77162	No	4.50000
1283	GLOBAL	Cartesian	4.50000	0.00000	1.85839	No	4.50000
1284	GLOBAL	Cartesian	4.50000	0.00000	1.94517	No	4.50000
1285	GLOBAL	Cartesian	4.50000	0.00000	2.03195	No	4.50000
1286	GLOBAL	Cartesian	4.50000	0.00000	2.11872	No	4.50000
1287	GLOBAL	Cartesian	4.50000	0.00000	2.20550	No	4.50000
1288	GLOBAL	Cartesian	4.50000	0.00000	2.29227	No	4.50000
1289	GLOBAL	Cartesian	4.50000	0.00000	2.42603	No	4.50000
1290	GLOBAL	Cartesian	4.50000	0.00000	2.51281	No	4.50000
1291	GLOBAL	Cartesian	4.50000	0.00000	2.59959	No	4.50000
1292	GLOBAL	Cartesian	4.50000	0.00000	2.68636	No	4.50000
1293	GLOBAL	Cartesian	4.50000	0.00000	2.77314	No	4.50000
1294	GLOBAL	Cartesian	4.50000	0.00000	2.85991	No	4.50000
1295	GLOBAL	Cartesian	4.50000	0.00000	2.94669	No	4.50000
1296	GLOBAL	Cartesian	4.65000	0.00000	0.14996	No	4.65000
1297	GLOBAL	Cartesian	4.65000	0.00000	0.29996	No	4.65000
1298	GLOBAL	Cartesian	4.65000	0.00000	0.44996	No	4.65000
1299	GLOBAL	Cartesian	4.65000	0.00000	0.59996	No	4.65000
1300	GLOBAL	Cartesian	4.65000	0.00000	0.74996	No	4.65000
1301	GLOBAL	Cartesian	4.65000	0.00000	0.89996	No	4.65000
1302	GLOBAL	Cartesian	4.65000	0.00000	1.04996	No	4.65000
1303	GLOBAL	Cartesian	4.65000	0.00000	1.19996	No	4.65000
1304	GLOBAL	Cartesian	4.65000	0.00000	1.34996	No	4.65000
1305	GLOBAL	Cartesian	4.65000	0.00000	1.42452	No	4.65000
1306	GLOBAL	Cartesian	4.65000	0.00000	1.51129	No	4.65000
1307	GLOBAL	Cartesian	4.65000	0.00000	1.59807	No	4.65000
1308	GLOBAL	Cartesian	4.65000	0.00000	1.68484	No	4.65000
1309	GLOBAL	Cartesian	4.65000	0.00000	1.77162	No	4.65000
1310	GLOBAL	Cartesian	4.65000	0.00000	1.85839	No	4.65000
1311	GLOBAL	Cartesian	4.65000	0.00000	1.94517	No	4.65000
1312	GLOBAL	Cartesian	4.65000	0.00000	2.03195	No	4.65000
1313	GLOBAL	Cartesian	4.65000	0.00000	2.11872	No	4.65000
1314	GLOBAL	Cartesian	4.65000	0.00000	2.20550	No	4.65000
1315	GLOBAL	Cartesian	4.65000	0.00000	2.29227	No	4.65000
1316	GLOBAL	Cartesian	4.65000	0.00000	2.42603	No	4.65000
1317	GLOBAL	Cartesian	4.65000	0.00000	2.51281	No	4.65000
1318	GLOBAL	Cartesian	4.65000	0.00000	2.59959	No	4.65000
1319	GLOBAL	Cartesian	4.65000	0.00000	2.68636	No	4.65000
1320	GLOBAL	Cartesian	4.65000	0.00000	2.77314	No	4.65000
1321	GLOBAL	Cartesian	4.65000	0.00000	2.85991	No	4.65000
1322	GLOBAL	Cartesian	4.80000	0.00000	0.14996	No	4.80000
1323	GLOBAL	Cartesian	4.80000	0.00000	0.29996	No	4.80000
1324	GLOBAL	Cartesian	4.80000	0.00000	0.44996	No	4.80000
1325	GLOBAL	Cartesian	4.80000	0.00000	0.59996	No	4.80000
1326	GLOBAL	Cartesian	4.80000	0.00000	0.74996	No	4.80000
1327	GLOBAL	Cartesian	4.80000	0.00000	0.89996	No	4.80000
1328	GLOBAL	Cartesian	4.80000	0.00000	1.04996	No	4.80000
1329	GLOBAL	Cartesian	4.80000	0.00000	1.19996	No	4.80000
1330	GLOBAL	Cartesian	4.80000	0.00000	1.34996	No	4.80000
1331	GLOBAL	Cartesian	4.80000	0.00000	1.42452	No	4.80000
1332	GLOBAL	Cartesian	4.80000	0.00000	1.51129	No	4.80000
1333	GLOBAL	Cartesian	4.80000	0.00000	1.59807	No	4.80000
1334	GLOBAL	Cartesian	4.80000	0.00000	1.68484	No	4.80000
1335	GLOBAL	Cartesian	4.80000	0.00000	1.77162	No	4.80000
1336	GLOBAL	Cartesian	4.80000	0.00000	1.85839	No	4.80000
1337	GLOBAL	Cartesian	4.80000	0.00000	1.94517	No	4.80000
1338	GLOBAL	Cartesian	4.80000	0.00000	2.03195	No	4.80000
1339	GLOBAL	Cartesian	4.80000	0.00000	2.11872	No	4.80000
1340	GLOBAL	Cartesian	4.80000	0.00000	2.20550	No	4.80000
1341	GLOBAL	Cartesian	4.80000	0.00000	2.29227	No	4.80000
1342	GLOBAL	Cartesian	4.80000	0.00000	2.42603	No	4.80000
1343	GLOBAL	Cartesian	4.80000	0.00000	2.51281	No	4.80000
1344	GLOBAL	Cartesian	4.80000	0.00000	2.59959	No	4.80000
1345	GLOBAL	Cartesian	4.80000	0.00000	2.68636	No	4.80000
1346	GLOBAL	Cartesian	4.80000	0.00000	2.77314	No	4.80000
1347	GLOBAL	Cartesian	4.95000	0.00000	0.14996	No	4.95000

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1348	GLOBAL	Cartesian	4.95000	0.00000	0.29996	No	4.95000
1349	GLOBAL	Cartesian	4.95000	0.00000	0.44996	No	4.95000
1350	GLOBAL	Cartesian	4.95000	0.00000	0.59996	No	4.95000
1351	GLOBAL	Cartesian	4.95000	0.00000	0.74996	No	4.95000
1352	GLOBAL	Cartesian	4.95000	0.00000	0.89996	No	4.95000
1353	GLOBAL	Cartesian	4.95000	0.00000	1.04996	No	4.95000
1354	GLOBAL	Cartesian	4.95000	0.00000	1.19996	No	4.95000
1355	GLOBAL	Cartesian	4.95000	0.00000	1.34996	No	4.95000
1356	GLOBAL	Cartesian	4.95000	0.00000	1.42452	No	4.95000
1357	GLOBAL	Cartesian	4.95000	0.00000	1.51129	No	4.95000
1358	GLOBAL	Cartesian	4.95000	0.00000	1.59807	No	4.95000
1359	GLOBAL	Cartesian	4.95000	0.00000	1.68484	No	4.95000
1360	GLOBAL	Cartesian	4.95000	0.00000	1.77162	No	4.95000
1361	GLOBAL	Cartesian	4.95000	0.00000	1.85839	No	4.95000
1362	GLOBAL	Cartesian	4.95000	0.00000	1.94517	No	4.95000
1363	GLOBAL	Cartesian	4.95000	0.00000	2.03195	No	4.95000
1364	GLOBAL	Cartesian	4.95000	0.00000	2.11872	No	4.95000
1365	GLOBAL	Cartesian	4.95000	0.00000	2.20550	No	4.95000
1366	GLOBAL	Cartesian	4.95000	0.00000	2.29227	No	4.95000
1367	GLOBAL	Cartesian	4.95000	0.00000	2.42603	No	4.95000
1368	GLOBAL	Cartesian	4.95000	0.00000	2.51281	No	4.95000
1369	GLOBAL	Cartesian	4.95000	0.00000	2.59959	No	4.95000
1370	GLOBAL	Cartesian	4.95000	0.00000	2.68636	No	4.95000
1371	GLOBAL	Cartesian	5.10000	0.00000	0.14996	No	5.10000
1372	GLOBAL	Cartesian	5.10000	0.00000	0.29996	No	5.10000
1373	GLOBAL	Cartesian	5.10000	0.00000	0.44996	No	5.10000
1374	GLOBAL	Cartesian	5.10000	0.00000	0.59996	No	5.10000
1375	GLOBAL	Cartesian	5.10000	0.00000	0.74996	No	5.10000
1376	GLOBAL	Cartesian	5.10000	0.00000	0.89996	No	5.10000
1377	GLOBAL	Cartesian	5.10000	0.00000	1.04996	No	5.10000
1378	GLOBAL	Cartesian	5.10000	0.00000	1.19996	No	5.10000
1379	GLOBAL	Cartesian	5.10000	0.00000	1.34996	No	5.10000
1380	GLOBAL	Cartesian	5.10000	0.00000	1.42452	No	5.10000
1381	GLOBAL	Cartesian	5.10000	0.00000	1.51129	No	5.10000
1382	GLOBAL	Cartesian	5.10000	0.00000	1.59807	No	5.10000
1383	GLOBAL	Cartesian	5.10000	0.00000	1.68484	No	5.10000
1384	GLOBAL	Cartesian	5.10000	0.00000	1.77162	No	5.10000
1385	GLOBAL	Cartesian	5.10000	0.00000	1.85839	No	5.10000
1386	GLOBAL	Cartesian	5.10000	0.00000	1.94517	No	5.10000
1387	GLOBAL	Cartesian	5.10000	0.00000	2.03195	No	5.10000
1388	GLOBAL	Cartesian	5.10000	0.00000	2.11872	No	5.10000
1389	GLOBAL	Cartesian	5.10000	0.00000	2.20550	No	5.10000
1390	GLOBAL	Cartesian	5.10000	0.00000	2.29227	No	5.10000
1391	GLOBAL	Cartesian	5.10000	0.00000	2.42603	No	5.10000
1392	GLOBAL	Cartesian	5.10000	0.00000	2.51281	No	5.10000
1393	GLOBAL	Cartesian	5.10000	0.00000	2.59959	No	5.10000
1394	GLOBAL	Cartesian	5.25000	0.00000	0.14996	No	5.25000
1395	GLOBAL	Cartesian	5.25000	0.00000	0.29996	No	5.25000
1396	GLOBAL	Cartesian	5.25000	0.00000	0.44996	No	5.25000
1397	GLOBAL	Cartesian	5.25000	0.00000	0.59996	No	5.25000
1398	GLOBAL	Cartesian	5.25000	0.00000	0.74996	No	5.25000
1399	GLOBAL	Cartesian	5.25000	0.00000	0.89996	No	5.25000
1400	GLOBAL	Cartesian	5.25000	0.00000	1.04996	No	5.25000
1401	GLOBAL	Cartesian	5.25000	0.00000	1.19996	No	5.25000
1402	GLOBAL	Cartesian	5.25000	0.00000	1.34996	No	5.25000
1403	GLOBAL	Cartesian	5.25000	0.00000	1.42452	No	5.25000
1404	GLOBAL	Cartesian	5.25000	0.00000	1.51129	No	5.25000
1405	GLOBAL	Cartesian	5.25000	0.00000	1.59807	No	5.25000
1406	GLOBAL	Cartesian	5.25000	0.00000	1.68484	No	5.25000
1407	GLOBAL	Cartesian	5.25000	0.00000	1.77162	No	5.25000
1408	GLOBAL	Cartesian	5.25000	0.00000	1.85839	No	5.25000
1409	GLOBAL	Cartesian	5.25000	0.00000	1.94517	No	5.25000
1410	GLOBAL	Cartesian	5.25000	0.00000	2.03195	No	5.25000
1411	GLOBAL	Cartesian	5.25000	0.00000	2.11872	No	5.25000
1412	GLOBAL	Cartesian	5.25000	0.00000	2.20550	No	5.25000
1413	GLOBAL	Cartesian	5.25000	0.00000	2.29227	No	5.25000
1414	GLOBAL	Cartesian	5.25000	0.00000	2.42603	No	5.25000
1415	GLOBAL	Cartesian	5.25000	0.00000	2.51281	No	5.25000
1416	GLOBAL	Cartesian	5.40000	0.00000	0.14996	No	5.40000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1417	GLOBAL	Cartesian	5.40000	0.00000	0.29996	No	5.40000
1418	GLOBAL	Cartesian	5.40000	0.00000	0.44996	No	5.40000
1419	GLOBAL	Cartesian	5.40000	0.00000	0.59996	No	5.40000
1420	GLOBAL	Cartesian	5.40000	0.00000	0.74996	No	5.40000
1421	GLOBAL	Cartesian	5.40000	0.00000	0.89996	No	5.40000
1422	GLOBAL	Cartesian	5.40000	0.00000	1.04996	No	5.40000
1423	GLOBAL	Cartesian	5.40000	0.00000	1.19996	No	5.40000
1424	GLOBAL	Cartesian	5.40000	0.00000	1.34996	No	5.40000
1425	GLOBAL	Cartesian	5.40000	0.00000	1.42452	No	5.40000
1426	GLOBAL	Cartesian	5.40000	0.00000	1.51129	No	5.40000
1427	GLOBAL	Cartesian	5.40000	0.00000	1.59807	No	5.40000
1428	GLOBAL	Cartesian	5.40000	0.00000	1.68484	No	5.40000
1429	GLOBAL	Cartesian	5.40000	0.00000	1.77162	No	5.40000
1430	GLOBAL	Cartesian	5.40000	0.00000	1.85839	No	5.40000
1431	GLOBAL	Cartesian	5.40000	0.00000	1.94517	No	5.40000
1432	GLOBAL	Cartesian	5.40000	0.00000	2.03195	No	5.40000
1433	GLOBAL	Cartesian	5.40000	0.00000	2.11872	No	5.40000
1434	GLOBAL	Cartesian	5.40000	0.00000	2.20550	No	5.40000
1435	GLOBAL	Cartesian	5.40000	0.00000	2.29227	No	5.40000
1436	GLOBAL	Cartesian	5.40000	0.00000	2.42603	No	5.40000
1437	GLOBAL	Cartesian	5.55000	0.00000	0.14996	No	5.55000
1438	GLOBAL	Cartesian	5.55000	0.00000	0.29996	No	5.55000
1439	GLOBAL	Cartesian	5.55000	0.00000	0.44996	No	5.55000
1440	GLOBAL	Cartesian	5.55000	0.00000	0.59996	No	5.55000
1441	GLOBAL	Cartesian	5.55000	0.00000	0.74996	No	5.55000
1442	GLOBAL	Cartesian	5.55000	0.00000	0.89996	No	5.55000
1443	GLOBAL	Cartesian	5.55000	0.00000	1.04996	No	5.55000
1444	GLOBAL	Cartesian	5.55000	0.00000	1.19996	No	5.55000
1445	GLOBAL	Cartesian	5.55000	0.00000	1.34996	No	5.55000
1446	GLOBAL	Cartesian	5.55000	0.00000	1.42452	No	5.55000
1447	GLOBAL	Cartesian	5.55000	0.00000	1.51129	No	5.55000
1448	GLOBAL	Cartesian	5.55000	0.00000	1.59807	No	5.55000
1449	GLOBAL	Cartesian	5.55000	0.00000	1.68484	No	5.55000
1450	GLOBAL	Cartesian	5.55000	0.00000	1.77162	No	5.55000
1451	GLOBAL	Cartesian	5.55000	0.00000	1.85839	No	5.55000
1452	GLOBAL	Cartesian	5.55000	0.00000	1.94517	No	5.55000
1453	GLOBAL	Cartesian	5.55000	0.00000	2.03195	No	5.55000
1454	GLOBAL	Cartesian	5.55000	0.00000	2.11872	No	5.55000
1455	GLOBAL	Cartesian	5.55000	0.00000	2.20550	No	5.55000
1456	GLOBAL	Cartesian	5.55000	0.00000	2.29227	No	5.55000
1457	GLOBAL	Cartesian	5.79090	0.00000	0.14996	No	5.79090
1458	GLOBAL	Cartesian	5.79090	0.00000	0.29996	No	5.79090
1459	GLOBAL	Cartesian	5.79090	0.00000	0.44996	No	5.79090
1460	GLOBAL	Cartesian	5.79090	0.00000	0.59996	No	5.79090
1461	GLOBAL	Cartesian	5.79090	0.00000	0.74996	No	5.79090
1462	GLOBAL	Cartesian	5.79090	0.00000	0.89996	No	5.79090
1463	GLOBAL	Cartesian	5.79090	0.00000	1.04996	No	5.79090
1464	GLOBAL	Cartesian	5.79090	0.00000	1.19996	No	5.79090
1465	GLOBAL	Cartesian	5.79090	0.00000	1.34996	No	5.79090
1466	GLOBAL	Cartesian	5.79090	0.00000	1.42452	No	5.79090
1467	GLOBAL	Cartesian	5.79090	0.00000	1.51129	No	5.79090
1468	GLOBAL	Cartesian	5.79090	0.00000	1.59807	No	5.79090
1469	GLOBAL	Cartesian	5.79090	0.00000	1.68484	No	5.79090
1470	GLOBAL	Cartesian	5.79090	0.00000	1.77162	No	5.79090
1471	GLOBAL	Cartesian	5.79090	0.00000	1.85839	No	5.79090
1472	GLOBAL	Cartesian	5.79090	0.00000	1.94517	No	5.79090
1473	GLOBAL	Cartesian	5.79090	0.00000	2.03195	No	5.79090
1474	GLOBAL	Cartesian	5.79090	0.00000	2.11872	No	5.79090
1475	GLOBAL	Cartesian	5.79090	0.00000	2.20550	No	5.79090
1476	GLOBAL	Cartesian	5.79090	0.00000	2.29227	No	5.79090
1477	GLOBAL	Cartesian	5.90029	0.00000	0.14996	No	5.90029
1478	GLOBAL	Cartesian	5.90029	0.00000	0.29996	No	5.90029
1479	GLOBAL	Cartesian	5.90029	0.00000	0.44996	No	5.90029
1480	GLOBAL	Cartesian	5.90029	0.00000	0.59996	No	5.90029
1481	GLOBAL	Cartesian	5.90029	0.00000	0.74996	No	5.90029
1482	GLOBAL	Cartesian	5.90029	0.00000	0.89996	No	5.90029
1483	GLOBAL	Cartesian	5.90029	0.00000	1.04996	No	5.90029
1484	GLOBAL	Cartesian	5.90029	0.00000	1.19996	No	5.90029
1485	GLOBAL	Cartesian	5.90029	0.00000	1.34996	No	5.90029



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1486	GLOBAL	Cartesian	5.90029	0.00000	1.42452	No	5.90029
1487	GLOBAL	Cartesian	5.90029	0.00000	1.51129	No	5.90029
1488	GLOBAL	Cartesian	5.90029	0.00000	1.59807	No	5.90029
1489	GLOBAL	Cartesian	5.90029	0.00000	1.68484	No	5.90029
1490	GLOBAL	Cartesian	5.90029	0.00000	1.77162	No	5.90029
1491	GLOBAL	Cartesian	5.90029	0.00000	1.85839	No	5.90029
1492	GLOBAL	Cartesian	5.90029	0.00000	1.94517	No	5.90029
1493	GLOBAL	Cartesian	5.90029	0.00000	2.03195	No	5.90029
1494	GLOBAL	Cartesian	5.90029	0.00000	2.11872	No	5.90029
1495	GLOBAL	Cartesian	5.90029	0.00000	2.20550	No	5.90029
1496	GLOBAL	Cartesian	5.90029	0.00000	2.29227	No	5.90029
1497	GLOBAL	Cartesian	6.05029	0.00000	0.14996	No	6.05029
1498	GLOBAL	Cartesian	6.05029	0.00000	0.29996	No	6.05029
1499	GLOBAL	Cartesian	6.05029	0.00000	0.44996	No	6.05029
1500	GLOBAL	Cartesian	6.05029	0.00000	0.59996	No	6.05029
1501	GLOBAL	Cartesian	6.05029	0.00000	0.74996	No	6.05029
1502	GLOBAL	Cartesian	6.05029	0.00000	0.89996	No	6.05029
1503	GLOBAL	Cartesian	6.05029	0.00000	1.04996	No	6.05029
1504	GLOBAL	Cartesian	6.05029	0.00000	1.19996	No	6.05029
1505	GLOBAL	Cartesian	6.05029	0.00000	1.34996	No	6.05029
1506	GLOBAL	Cartesian	6.05029	0.00000	1.42452	No	6.05029
1507	GLOBAL	Cartesian	6.05029	0.00000	1.51129	No	6.05029
1508	GLOBAL	Cartesian	6.05029	0.00000	1.59807	No	6.05029
1509	GLOBAL	Cartesian	6.05029	0.00000	1.68484	No	6.05029
1510	GLOBAL	Cartesian	6.05029	0.00000	1.77162	No	6.05029
1511	GLOBAL	Cartesian	6.05029	0.00000	1.85839	No	6.05029
1512	GLOBAL	Cartesian	6.05029	0.00000	1.94517	No	6.05029
1513	GLOBAL	Cartesian	6.05029	0.00000	2.03195	No	6.05029
1514	GLOBAL	Cartesian	6.05029	0.00000	2.11872	No	6.05029
1515	GLOBAL	Cartesian	6.05029	0.00000	2.20550	No	6.05029
1516	GLOBAL	Cartesian	6.05029	0.00000	2.29227	No	6.05029
1517	GLOBAL	Cartesian	6.20029	0.00000	0.14996	No	6.20029
1518	GLOBAL	Cartesian	6.20029	0.00000	0.29996	No	6.20029
1519	GLOBAL	Cartesian	6.20029	0.00000	0.44996	No	6.20029
1520	GLOBAL	Cartesian	6.20029	0.00000	0.59996	No	6.20029
1521	GLOBAL	Cartesian	6.20029	0.00000	0.74996	No	6.20029
1522	GLOBAL	Cartesian	6.20029	0.00000	0.89996	No	6.20029
1523	GLOBAL	Cartesian	6.20029	0.00000	1.04996	No	6.20029
1524	GLOBAL	Cartesian	6.20029	0.00000	1.19996	No	6.20029
1525	GLOBAL	Cartesian	6.20029	0.00000	1.34996	No	6.20029
1526	GLOBAL	Cartesian	6.20029	0.00000	1.42452	No	6.20029
1527	GLOBAL	Cartesian	6.20029	0.00000	1.51129	No	6.20029
1528	GLOBAL	Cartesian	6.20029	0.00000	1.59807	No	6.20029
1529	GLOBAL	Cartesian	6.20029	0.00000	1.68484	No	6.20029
1530	GLOBAL	Cartesian	6.20029	0.00000	1.77162	No	6.20029
1531	GLOBAL	Cartesian	6.20029	0.00000	1.85839	No	6.20029
1532	GLOBAL	Cartesian	6.20029	0.00000	1.94517	No	6.20029
1533	GLOBAL	Cartesian	6.20029	0.00000	2.03195	No	6.20029
1534	GLOBAL	Cartesian	6.20029	0.00000	2.11872	No	6.20029
1535	GLOBAL	Cartesian	6.20029	0.00000	2.20550	No	6.20029
1536	GLOBAL	Cartesian	6.20029	0.00000	2.29227	No	6.20029
1537	GLOBAL	Cartesian	6.35029	0.00000	0.14996	No	6.35029
1538	GLOBAL	Cartesian	6.35029	0.00000	0.29996	No	6.35029
1539	GLOBAL	Cartesian	6.35029	0.00000	0.44996	No	6.35029
1540	GLOBAL	Cartesian	6.35029	0.00000	0.59996	No	6.35029
1541	GLOBAL	Cartesian	6.35029	0.00000	0.74996	No	6.35029
1542	GLOBAL	Cartesian	6.35029	0.00000	0.89996	No	6.35029
1543	GLOBAL	Cartesian	6.35029	0.00000	1.04996	No	6.35029
1544	GLOBAL	Cartesian	6.35029	0.00000	1.19996	No	6.35029
1545	GLOBAL	Cartesian	6.35029	0.00000	1.34996	No	6.35029
1546	GLOBAL	Cartesian	6.35029	0.00000	1.42452	No	6.35029
1547	GLOBAL	Cartesian	6.35029	0.00000	1.51129	No	6.35029
1548	GLOBAL	Cartesian	6.35029	0.00000	1.59807	No	6.35029
1549	GLOBAL	Cartesian	6.35029	0.00000	1.68484	No	6.35029
1550	GLOBAL	Cartesian	6.35029	0.00000	1.77162	No	6.35029
1551	GLOBAL	Cartesian	6.35029	0.00000	1.85839	No	6.35029
1552	GLOBAL	Cartesian	6.35029	0.00000	1.94517	No	6.35029
1553	GLOBAL	Cartesian	6.35029	0.00000	2.03195	No	6.35029
1554	GLOBAL	Cartesian	6.35029	0.00000	2.11872	No	6.35029



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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1555	GLOBAL	Cartesian	6.35029	0.00000	2.20550	No	6.35029
1556	GLOBAL	Cartesian	6.35029	0.00000	2.29227	No	6.35029
1557	GLOBAL	Cartesian	6.50029	0.00000	0.14996	No	6.50029
1558	GLOBAL	Cartesian	6.50029	0.00000	0.29996	No	6.50029
1559	GLOBAL	Cartesian	6.50029	0.00000	0.44996	No	6.50029
1560	GLOBAL	Cartesian	6.50029	0.00000	0.59996	No	6.50029
1561	GLOBAL	Cartesian	6.50029	0.00000	0.74996	No	6.50029
1562	GLOBAL	Cartesian	6.50029	0.00000	0.89996	No	6.50029
1563	GLOBAL	Cartesian	6.50029	0.00000	1.04996	No	6.50029
1564	GLOBAL	Cartesian	6.50029	0.00000	1.19996	No	6.50029
1565	GLOBAL	Cartesian	6.50029	0.00000	1.34996	No	6.50029
1566	GLOBAL	Cartesian	6.50029	0.00000	1.42452	No	6.50029
1567	GLOBAL	Cartesian	6.50029	0.00000	1.51129	No	6.50029
1568	GLOBAL	Cartesian	6.50029	0.00000	1.59807	No	6.50029
1569	GLOBAL	Cartesian	6.50029	0.00000	1.68484	No	6.50029
1570	GLOBAL	Cartesian	6.50029	0.00000	1.77162	No	6.50029
1571	GLOBAL	Cartesian	6.50029	0.00000	1.85839	No	6.50029
1572	GLOBAL	Cartesian	6.50029	0.00000	1.94517	No	6.50029
1573	GLOBAL	Cartesian	6.50029	0.00000	2.03195	No	6.50029
1574	GLOBAL	Cartesian	6.50029	0.00000	2.11872	No	6.50029
1575	GLOBAL	Cartesian	6.50029	0.00000	2.20550	No	6.50029
1576	GLOBAL	Cartesian	6.50029	0.00000	2.29227	No	6.50029
1577	GLOBAL	Cartesian	6.65029	0.00000	0.14996	No	6.65029
1578	GLOBAL	Cartesian	6.65029	0.00000	0.29996	No	6.65029
1579	GLOBAL	Cartesian	6.65029	0.00000	0.44996	No	6.65029
1580	GLOBAL	Cartesian	6.65029	0.00000	0.59996	No	6.65029
1581	GLOBAL	Cartesian	6.65029	0.00000	0.74996	No	6.65029
1582	GLOBAL	Cartesian	6.65029	0.00000	0.89996	No	6.65029
1583	GLOBAL	Cartesian	6.65029	0.00000	1.04996	No	6.65029
1584	GLOBAL	Cartesian	6.65029	0.00000	1.19996	No	6.65029
1585	GLOBAL	Cartesian	6.65029	0.00000	1.34996	No	6.65029
1586	GLOBAL	Cartesian	6.65029	0.00000	1.42452	No	6.65029
1587	GLOBAL	Cartesian	6.65029	0.00000	1.51129	No	6.65029
1588	GLOBAL	Cartesian	6.65029	0.00000	1.59807	No	6.65029
1589	GLOBAL	Cartesian	6.65029	0.00000	1.68484	No	6.65029
1590	GLOBAL	Cartesian	6.65029	0.00000	1.77162	No	6.65029
1591	GLOBAL	Cartesian	6.65029	0.00000	1.85839	No	6.65029
1592	GLOBAL	Cartesian	6.65029	0.00000	1.94517	No	6.65029
1593	GLOBAL	Cartesian	6.65029	0.00000	2.03195	No	6.65029
1594	GLOBAL	Cartesian	6.65029	0.00000	2.11872	No	6.65029
1595	GLOBAL	Cartesian	6.65029	0.00000	2.20550	No	6.65029
1596	GLOBAL	Cartesian	6.65029	0.00000	2.29227	No	6.65029
1597	GLOBAL	Cartesian	6.80029	0.00000	0.14996	No	6.80029
1598	GLOBAL	Cartesian	6.80029	0.00000	0.29996	No	6.80029
1599	GLOBAL	Cartesian	6.80029	0.00000	0.44996	No	6.80029
1600	GLOBAL	Cartesian	6.80029	0.00000	0.59996	No	6.80029
1601	GLOBAL	Cartesian	6.80029	0.00000	0.74996	No	6.80029
1602	GLOBAL	Cartesian	6.80029	0.00000	0.89996	No	6.80029
1603	GLOBAL	Cartesian	6.80029	0.00000	1.04996	No	6.80029
1604	GLOBAL	Cartesian	6.80029	0.00000	1.19996	No	6.80029
1605	GLOBAL	Cartesian	6.80029	0.00000	1.34996	No	6.80029
1606	GLOBAL	Cartesian	6.80029	0.00000	1.42452	No	6.80029
1607	GLOBAL	Cartesian	6.80029	0.00000	1.51129	No	6.80029
1608	GLOBAL	Cartesian	6.80029	0.00000	1.59807	No	6.80029
1609	GLOBAL	Cartesian	6.80029	0.00000	1.68484	No	6.80029
1610	GLOBAL	Cartesian	6.80029	0.00000	1.77162	No	6.80029
1611	GLOBAL	Cartesian	6.80029	0.00000	1.85839	No	6.80029
1612	GLOBAL	Cartesian	6.80029	0.00000	1.94517	No	6.80029
1613	GLOBAL	Cartesian	6.80029	0.00000	2.03195	No	6.80029
1614	GLOBAL	Cartesian	6.80029	0.00000	2.11872	No	6.80029
1615	GLOBAL	Cartesian	6.80029	0.00000	2.20550	No	6.80029
1616	GLOBAL	Cartesian	6.80029	0.00000	2.29227	No	6.80029
1617	GLOBAL	Cartesian	6.95029	0.00000	0.14996	No	6.95029
1618	GLOBAL	Cartesian	6.95029	0.00000	0.29996	No	6.95029
1619	GLOBAL	Cartesian	6.95029	0.00000	0.44996	No	6.95029
1620	GLOBAL	Cartesian	6.95029	0.00000	0.59996	No	6.95029
1621	GLOBAL	Cartesian	6.95029	0.00000	0.74996	No	6.95029
1622	GLOBAL	Cartesian	6.95029	0.00000	0.89996	No	6.95029
1623	GLOBAL	Cartesian	6.95029	0.00000	1.04996	No	6.95029

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1624	GLOBAL	Cartesian	6.95029	0.00000	1.19996	No	6.95029
1625	GLOBAL	Cartesian	6.95029	0.00000	1.34996	No	6.95029
1626	GLOBAL	Cartesian	6.95029	0.00000	1.42452	No	6.95029
1627	GLOBAL	Cartesian	6.95029	0.00000	1.51129	No	6.95029
1628	GLOBAL	Cartesian	6.95029	0.00000	1.59807	No	6.95029
1629	GLOBAL	Cartesian	6.95029	0.00000	1.68484	No	6.95029
1630	GLOBAL	Cartesian	6.95029	0.00000	1.77162	No	6.95029
1631	GLOBAL	Cartesian	6.95029	0.00000	1.85839	No	6.95029
1632	GLOBAL	Cartesian	6.95029	0.00000	1.94517	No	6.95029
1633	GLOBAL	Cartesian	6.95029	0.00000	2.03195	No	6.95029
1634	GLOBAL	Cartesian	6.95029	0.00000	2.11872	No	6.95029
1635	GLOBAL	Cartesian	6.95029	0.00000	2.20550	No	6.95029
1636	GLOBAL	Cartesian	6.95029	0.00000	2.29227	No	6.95029
1637	GLOBAL	Cartesian	7.10029	0.00000	0.14996	No	7.10029
1638	GLOBAL	Cartesian	7.10029	0.00000	0.29996	No	7.10029
1639	GLOBAL	Cartesian	7.10029	0.00000	0.44996	No	7.10029
1640	GLOBAL	Cartesian	7.10029	0.00000	0.59996	No	7.10029
1641	GLOBAL	Cartesian	7.10029	0.00000	0.74996	No	7.10029
1642	GLOBAL	Cartesian	7.10029	0.00000	0.89996	No	7.10029
1643	GLOBAL	Cartesian	7.10029	0.00000	1.04996	No	7.10029
1644	GLOBAL	Cartesian	7.10029	0.00000	1.19996	No	7.10029
1645	GLOBAL	Cartesian	7.10029	0.00000	1.34996	No	7.10029
1646	GLOBAL	Cartesian	7.10029	0.00000	1.42452	No	7.10029
1647	GLOBAL	Cartesian	7.10029	0.00000	1.51129	No	7.10029
1648	GLOBAL	Cartesian	7.10029	0.00000	1.59807	No	7.10029
1649	GLOBAL	Cartesian	7.10029	0.00000	1.68484	No	7.10029
1650	GLOBAL	Cartesian	7.10029	0.00000	1.77162	No	7.10029
1651	GLOBAL	Cartesian	7.10029	0.00000	1.85839	No	7.10029
1652	GLOBAL	Cartesian	7.10029	0.00000	1.94517	No	7.10029
1653	GLOBAL	Cartesian	7.10029	0.00000	2.03195	No	7.10029
1654	GLOBAL	Cartesian	7.10029	0.00000	2.11872	No	7.10029
1655	GLOBAL	Cartesian	7.10029	0.00000	2.20550	No	7.10029
1656	GLOBAL	Cartesian	7.10029	0.00000	2.29227	No	7.10029
1657	GLOBAL	Cartesian	7.25029	0.00000	0.14996	No	7.25029
1658	GLOBAL	Cartesian	7.25029	0.00000	0.29996	No	7.25029
1659	GLOBAL	Cartesian	7.25029	0.00000	0.44996	No	7.25029
1660	GLOBAL	Cartesian	7.25029	0.00000	0.59996	No	7.25029
1661	GLOBAL	Cartesian	7.25029	0.00000	0.74996	No	7.25029
1662	GLOBAL	Cartesian	7.25029	0.00000	0.89996	No	7.25029
1663	GLOBAL	Cartesian	7.25029	0.00000	1.04996	No	7.25029
1664	GLOBAL	Cartesian	7.25029	0.00000	1.19996	No	7.25029
1665	GLOBAL	Cartesian	7.25029	0.00000	1.34996	No	7.25029
1666	GLOBAL	Cartesian	7.25029	0.00000	1.42452	No	7.25029
1667	GLOBAL	Cartesian	7.25029	0.00000	1.51129	No	7.25029
1668	GLOBAL	Cartesian	7.25029	0.00000	1.59807	No	7.25029
1669	GLOBAL	Cartesian	7.25029	0.00000	1.68484	No	7.25029
1670	GLOBAL	Cartesian	7.25029	0.00000	1.77162	No	7.25029
1671	GLOBAL	Cartesian	7.25029	0.00000	1.85839	No	7.25029
1672	GLOBAL	Cartesian	7.25029	0.00000	1.94517	No	7.25029
1673	GLOBAL	Cartesian	7.25029	0.00000	2.03195	No	7.25029
1674	GLOBAL	Cartesian	7.25029	0.00000	2.11872	No	7.25029
1675	GLOBAL	Cartesian	7.25029	0.00000	2.20550	No	7.25029
1676	GLOBAL	Cartesian	7.25029	0.00000	2.29227	No	7.25029
1677	GLOBAL	Cartesian	7.40029	0.00000	0.14996	No	7.40029
1678	GLOBAL	Cartesian	7.40029	0.00000	0.29996	No	7.40029
1679	GLOBAL	Cartesian	7.40029	0.00000	0.44996	No	7.40029
1680	GLOBAL	Cartesian	7.40029	0.00000	0.59996	No	7.40029
1681	GLOBAL	Cartesian	7.40029	0.00000	0.74996	No	7.40029
1682	GLOBAL	Cartesian	7.40029	0.00000	0.89996	No	7.40029
1683	GLOBAL	Cartesian	7.40029	0.00000	1.04996	No	7.40029
1684	GLOBAL	Cartesian	7.40029	0.00000	1.19996	No	7.40029
1685	GLOBAL	Cartesian	7.40029	0.00000	1.34996	No	7.40029
1686	GLOBAL	Cartesian	7.40029	0.00000	1.42452	No	7.40029
1687	GLOBAL	Cartesian	7.40029	0.00000	1.51129	No	7.40029
1688	GLOBAL	Cartesian	7.40029	0.00000	1.59807	No	7.40029
1689	GLOBAL	Cartesian	7.40029	0.00000	1.68484	No	7.40029
1690	GLOBAL	Cartesian	7.40029	0.00000	1.77162	No	7.40029
1691	GLOBAL	Cartesian	7.40029	0.00000	1.85839	No	7.40029
1692	GLOBAL	Cartesian	7.40029	0.00000	1.94517	No	7.40029

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1693	GLOBAL	Cartesian	7.40029	0.00000	2.03195	No	7.40029
1694	GLOBAL	Cartesian	7.40029	0.00000	2.11872	No	7.40029
1695	GLOBAL	Cartesian	7.40029	0.00000	2.20550	No	7.40029
1696	GLOBAL	Cartesian	7.40029	0.00000	2.29227	No	7.40029
1697	GLOBAL	Cartesian	7.55029	0.00000	0.14996	No	7.55029
1698	GLOBAL	Cartesian	7.55029	0.00000	0.29996	No	7.55029
1699	GLOBAL	Cartesian	7.55029	0.00000	0.44996	No	7.55029
1700	GLOBAL	Cartesian	7.55029	0.00000	0.59996	No	7.55029
1701	GLOBAL	Cartesian	7.55029	0.00000	0.74996	No	7.55029
1702	GLOBAL	Cartesian	7.55029	0.00000	0.89996	No	7.55029
1703	GLOBAL	Cartesian	7.55029	0.00000	1.04996	No	7.55029
1704	GLOBAL	Cartesian	7.55029	0.00000	1.19996	No	7.55029
1705	GLOBAL	Cartesian	7.55029	0.00000	1.34996	No	7.55029
1706	GLOBAL	Cartesian	7.55029	0.00000	1.42452	No	7.55029
1707	GLOBAL	Cartesian	7.55029	0.00000	1.51129	No	7.55029
1708	GLOBAL	Cartesian	7.55029	0.00000	1.59807	No	7.55029
1709	GLOBAL	Cartesian	7.55029	0.00000	1.68484	No	7.55029
1710	GLOBAL	Cartesian	7.55029	0.00000	1.77162	No	7.55029
1711	GLOBAL	Cartesian	7.55029	0.00000	1.85839	No	7.55029
1712	GLOBAL	Cartesian	7.55029	0.00000	1.94517	No	7.55029
1713	GLOBAL	Cartesian	7.55029	0.00000	2.03195	No	7.55029
1714	GLOBAL	Cartesian	7.55029	0.00000	2.11872	No	7.55029
1715	GLOBAL	Cartesian	7.55029	0.00000	2.20550	No	7.55029
1716	GLOBAL	Cartesian	7.55029	0.00000	2.29227	No	7.55029
1717	GLOBAL	Cartesian	7.70029	0.00000	0.14996	No	7.70029
1718	GLOBAL	Cartesian	7.70029	0.00000	0.29996	No	7.70029
1719	GLOBAL	Cartesian	7.70029	0.00000	0.44996	No	7.70029
1720	GLOBAL	Cartesian	7.70029	0.00000	0.59996	No	7.70029
1721	GLOBAL	Cartesian	7.70029	0.00000	0.74996	No	7.70029
1722	GLOBAL	Cartesian	7.70029	0.00000	0.89996	No	7.70029
1723	GLOBAL	Cartesian	7.70029	0.00000	1.04996	No	7.70029
1724	GLOBAL	Cartesian	7.70029	0.00000	1.19996	No	7.70029
1725	GLOBAL	Cartesian	7.70029	0.00000	1.34996	No	7.70029
1726	GLOBAL	Cartesian	7.70029	0.00000	1.42452	No	7.70029
1727	GLOBAL	Cartesian	7.70029	0.00000	1.51129	No	7.70029
1728	GLOBAL	Cartesian	7.70029	0.00000	1.59807	No	7.70029
1729	GLOBAL	Cartesian	7.70029	0.00000	1.68484	No	7.70029
1730	GLOBAL	Cartesian	7.70029	0.00000	1.77162	No	7.70029
1731	GLOBAL	Cartesian	7.70029	0.00000	1.85839	No	7.70029
1732	GLOBAL	Cartesian	7.70029	0.00000	1.94517	No	7.70029
1733	GLOBAL	Cartesian	7.70029	0.00000	2.03195	No	7.70029
1734	GLOBAL	Cartesian	7.70029	0.00000	2.11872	No	7.70029
1735	GLOBAL	Cartesian	7.70029	0.00000	2.20550	No	7.70029
1736	GLOBAL	Cartesian	7.70029	0.00000	2.29227	No	7.70029
1737	GLOBAL	Cartesian	7.80000	0.00000	0.14996	No	7.80000
1738	GLOBAL	Cartesian	7.80000	0.00000	0.29996	No	7.80000
1739	GLOBAL	Cartesian	7.80000	0.00000	0.44996	No	7.80000
1740	GLOBAL	Cartesian	7.80000	0.00000	0.59996	No	7.80000
1741	GLOBAL	Cartesian	7.80000	0.00000	0.74996	No	7.80000
1742	GLOBAL	Cartesian	7.80000	0.00000	0.89996	No	7.80000
1743	GLOBAL	Cartesian	7.80000	0.00000	1.04996	No	7.80000
1744	GLOBAL	Cartesian	7.80000	0.00000	1.19996	No	7.80000
1745	GLOBAL	Cartesian	7.80000	0.00000	1.34996	No	7.80000
1746	GLOBAL	Cartesian	7.80000	0.00000	1.42452	No	7.80000
1747	GLOBAL	Cartesian	7.80000	0.00000	1.51129	No	7.80000
1748	GLOBAL	Cartesian	7.80000	0.00000	1.59807	No	7.80000
1749	GLOBAL	Cartesian	7.80000	0.00000	1.68484	No	7.80000
1750	GLOBAL	Cartesian	7.80000	0.00000	1.77162	No	7.80000
1751	GLOBAL	Cartesian	7.80000	0.00000	1.85839	No	7.80000
1752	GLOBAL	Cartesian	7.80000	0.00000	1.94517	No	7.80000
1753	GLOBAL	Cartesian	7.80000	0.00000	2.03195	No	7.80000
1754	GLOBAL	Cartesian	7.80000	0.00000	2.11872	No	7.80000
1755	GLOBAL	Cartesian	7.80000	0.00000	2.20550	No	7.80000
1756	GLOBAL	Cartesian	7.95000	0.00000	0.14996	No	7.95000
1757	GLOBAL	Cartesian	7.95000	0.00000	0.29996	No	7.95000
1758	GLOBAL	Cartesian	7.95000	0.00000	0.44996	No	7.95000
1759	GLOBAL	Cartesian	7.95000	0.00000	0.59996	No	7.95000
1760	GLOBAL	Cartesian	7.95000	0.00000	0.74996	No	7.95000
1761	GLOBAL	Cartesian	7.95000	0.00000	0.89996	No	7.95000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1762	GLOBAL	Cartesian	7.95000	0.00000	1.04996	No	7.95000
1763	GLOBAL	Cartesian	7.95000	0.00000	1.19996	No	7.95000
1764	GLOBAL	Cartesian	7.95000	0.00000	1.34996	No	7.95000
1765	GLOBAL	Cartesian	7.95000	0.00000	1.42452	No	7.95000
1766	GLOBAL	Cartesian	7.95000	0.00000	1.51129	No	7.95000
1767	GLOBAL	Cartesian	7.95000	0.00000	1.59807	No	7.95000
1768	GLOBAL	Cartesian	7.95000	0.00000	1.68484	No	7.95000
1769	GLOBAL	Cartesian	7.95000	0.00000	1.77162	No	7.95000
1770	GLOBAL	Cartesian	7.95000	0.00000	1.85839	No	7.95000
1771	GLOBAL	Cartesian	7.95000	0.00000	1.94517	No	7.95000
1772	GLOBAL	Cartesian	7.95000	0.00000	2.03195	No	7.95000
1773	GLOBAL	Cartesian	7.95000	0.00000	2.11872	No	7.95000
1774	GLOBAL	Cartesian	8.10000	0.00000	0.14996	No	8.10000
1775	GLOBAL	Cartesian	8.10000	0.00000	0.29996	No	8.10000
1776	GLOBAL	Cartesian	8.10000	0.00000	0.44996	No	8.10000
1777	GLOBAL	Cartesian	8.10000	0.00000	0.59996	No	8.10000
1778	GLOBAL	Cartesian	8.10000	0.00000	0.74996	No	8.10000
1779	GLOBAL	Cartesian	8.10000	0.00000	0.89996	No	8.10000
1780	GLOBAL	Cartesian	8.10000	0.00000	1.04996	No	8.10000
1781	GLOBAL	Cartesian	8.10000	0.00000	1.19996	No	8.10000
1782	GLOBAL	Cartesian	8.10000	0.00000	1.34996	No	8.10000
1783	GLOBAL	Cartesian	8.10000	0.00000	1.42452	No	8.10000
1784	GLOBAL	Cartesian	8.10000	0.00000	1.51129	No	8.10000
1785	GLOBAL	Cartesian	8.10000	0.00000	1.59807	No	8.10000
1786	GLOBAL	Cartesian	8.10000	0.00000	1.68484	No	8.10000
1787	GLOBAL	Cartesian	8.10000	0.00000	1.77162	No	8.10000
1788	GLOBAL	Cartesian	8.10000	0.00000	1.85839	No	8.10000
1789	GLOBAL	Cartesian	8.10000	0.00000	1.94517	No	8.10000
1790	GLOBAL	Cartesian	8.10000	0.00000	2.03195	No	8.10000
1791	GLOBAL	Cartesian	8.25000	0.00000	0.14996	No	8.25000
1792	GLOBAL	Cartesian	8.25000	0.00000	0.29996	No	8.25000
1793	GLOBAL	Cartesian	8.25000	0.00000	0.44996	No	8.25000
1794	GLOBAL	Cartesian	8.25000	0.00000	0.59996	No	8.25000
1795	GLOBAL	Cartesian	8.25000	0.00000	0.74996	No	8.25000
1796	GLOBAL	Cartesian	8.25000	0.00000	0.89996	No	8.25000
1797	GLOBAL	Cartesian	8.25000	0.00000	1.04996	No	8.25000
1798	GLOBAL	Cartesian	8.25000	0.00000	1.19996	No	8.25000
1799	GLOBAL	Cartesian	8.25000	0.00000	1.34996	No	8.25000
1800	GLOBAL	Cartesian	8.25000	0.00000	1.42452	No	8.25000
1801	GLOBAL	Cartesian	8.25000	0.00000	1.51129	No	8.25000
1802	GLOBAL	Cartesian	8.25000	0.00000	1.59807	No	8.25000
1803	GLOBAL	Cartesian	8.25000	0.00000	1.68484	No	8.25000
1804	GLOBAL	Cartesian	8.25000	0.00000	1.77162	No	8.25000
1805	GLOBAL	Cartesian	8.25000	0.00000	1.85839	No	8.25000
1806	GLOBAL	Cartesian	8.25000	0.00000	1.94517	No	8.25000
1807	GLOBAL	Cartesian	8.40000	0.00000	0.14996	No	8.40000
1808	GLOBAL	Cartesian	8.40000	0.00000	0.29996	No	8.40000
1809	GLOBAL	Cartesian	8.40000	0.00000	0.44996	No	8.40000
1810	GLOBAL	Cartesian	8.40000	0.00000	0.59996	No	8.40000
1811	GLOBAL	Cartesian	8.40000	0.00000	0.74996	No	8.40000
1812	GLOBAL	Cartesian	8.40000	0.00000	0.89996	No	8.40000
1813	GLOBAL	Cartesian	8.40000	0.00000	1.04996	No	8.40000
1814	GLOBAL	Cartesian	8.40000	0.00000	1.19996	No	8.40000
1815	GLOBAL	Cartesian	8.40000	0.00000	1.34996	No	8.40000
1816	GLOBAL	Cartesian	8.40000	0.00000	1.42452	No	8.40000
1817	GLOBAL	Cartesian	8.40000	0.00000	1.51129	No	8.40000
1818	GLOBAL	Cartesian	8.40000	0.00000	1.59807	No	8.40000
1819	GLOBAL	Cartesian	8.40000	0.00000	1.68484	No	8.40000
1820	GLOBAL	Cartesian	8.40000	0.00000	1.77162	No	8.40000
1821	GLOBAL	Cartesian	8.40000	0.00000	1.85839	No	8.40000
1822	GLOBAL	Cartesian	8.55000	0.00000	0.14996	No	8.55000
1823	GLOBAL	Cartesian	8.55000	0.00000	0.29996	No	8.55000
1824	GLOBAL	Cartesian	8.55000	0.00000	0.44996	No	8.55000
1825	GLOBAL	Cartesian	8.55000	0.00000	0.59996	No	8.55000
1826	GLOBAL	Cartesian	8.55000	0.00000	0.74996	No	8.55000
1827	GLOBAL	Cartesian	8.55000	0.00000	0.89996	No	8.55000
1828	GLOBAL	Cartesian	8.55000	0.00000	1.04996	No	8.55000
1829	GLOBAL	Cartesian	8.55000	0.00000	1.19996	No	8.55000
1830	GLOBAL	Cartesian	8.55000	0.00000	1.34996	No	8.55000

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1831	GLOBAL	Cartesian	8.55000	0.00000	1.42452	No	8.55000
1832	GLOBAL	Cartesian	8.55000	0.00000	1.51129	No	8.55000
1833	GLOBAL	Cartesian	8.55000	0.00000	1.59807	No	8.55000
1834	GLOBAL	Cartesian	8.55000	0.00000	1.68484	No	8.55000
1835	GLOBAL	Cartesian	8.55000	0.00000	1.77162	No	8.55000
1836	GLOBAL	Cartesian	8.70000	0.00000	0.14996	No	8.70000
1837	GLOBAL	Cartesian	8.70000	0.00000	0.29996	No	8.70000
1838	GLOBAL	Cartesian	8.70000	0.00000	0.44996	No	8.70000
1839	GLOBAL	Cartesian	8.70000	0.00000	0.59996	No	8.70000
1840	GLOBAL	Cartesian	8.70000	0.00000	0.74996	No	8.70000
1841	GLOBAL	Cartesian	8.70000	0.00000	0.89996	No	8.70000
1842	GLOBAL	Cartesian	8.70000	0.00000	1.04996	No	8.70000
1843	GLOBAL	Cartesian	8.70000	0.00000	1.19996	No	8.70000
1844	GLOBAL	Cartesian	8.70000	0.00000	1.34996	No	8.70000
1845	GLOBAL	Cartesian	8.70000	0.00000	1.42452	No	8.70000
1846	GLOBAL	Cartesian	8.70000	0.00000	1.51129	No	8.70000
1847	GLOBAL	Cartesian	8.70000	0.00000	1.59807	No	8.70000
1848	GLOBAL	Cartesian	8.70000	0.00000	1.68484	No	8.70000
1849	GLOBAL	Cartesian	8.85000	0.00000	0.14996	No	8.85000
1850	GLOBAL	Cartesian	8.85000	0.00000	0.29996	No	8.85000
1851	GLOBAL	Cartesian	8.85000	0.00000	0.44996	No	8.85000
1852	GLOBAL	Cartesian	8.85000	0.00000	0.59996	No	8.85000
1853	GLOBAL	Cartesian	8.85000	0.00000	0.74996	No	8.85000
1854	GLOBAL	Cartesian	8.85000	0.00000	0.89996	No	8.85000
1855	GLOBAL	Cartesian	8.85000	0.00000	1.04996	No	8.85000
1856	GLOBAL	Cartesian	8.85000	0.00000	1.19996	No	8.85000
1857	GLOBAL	Cartesian	8.85000	0.00000	1.34996	No	8.85000
1858	GLOBAL	Cartesian	8.85000	0.00000	1.42452	No	8.85000
1859	GLOBAL	Cartesian	8.85000	0.00000	1.51129	No	8.85000
1860	GLOBAL	Cartesian	8.85000	0.00000	1.59807	No	8.85000
1861	GLOBAL	Cartesian	9.00000	0.00000	0.14996	No	9.00000
1862	GLOBAL	Cartesian	9.00000	0.00000	0.29996	No	9.00000
1863	GLOBAL	Cartesian	9.00000	0.00000	0.44996	No	9.00000
1864	GLOBAL	Cartesian	9.00000	0.00000	0.59996	No	9.00000
1865	GLOBAL	Cartesian	9.00000	0.00000	0.74996	No	9.00000
1866	GLOBAL	Cartesian	9.00000	0.00000	0.89996	No	9.00000
1867	GLOBAL	Cartesian	9.00000	0.00000	1.04996	No	9.00000
1868	GLOBAL	Cartesian	9.00000	0.00000	1.19996	No	9.00000
1869	GLOBAL	Cartesian	9.00000	0.00000	1.34996	No	9.00000
1870	GLOBAL	Cartesian	9.00000	0.00000	1.42452	No	9.00000
1871	GLOBAL	Cartesian	9.00000	0.00000	1.51129	No	9.00000
1872	GLOBAL	Cartesian	9.15000	0.00000	0.14996	No	9.15000
1873	GLOBAL	Cartesian	9.15000	0.00000	0.29996	No	9.15000
1874	GLOBAL	Cartesian	9.15000	0.00000	0.44996	No	9.15000
1875	GLOBAL	Cartesian	9.15000	0.00000	0.59996	No	9.15000
1876	GLOBAL	Cartesian	9.15000	0.00000	0.74996	No	9.15000
1877	GLOBAL	Cartesian	9.15000	0.00000	0.89996	No	9.15000
1878	GLOBAL	Cartesian	9.15000	0.00000	1.04996	No	9.15000
1879	GLOBAL	Cartesian	9.15000	0.00000	1.19996	No	9.15000
1880	GLOBAL	Cartesian	9.15000	0.00000	1.34996	No	9.15000
1881	GLOBAL	Cartesian	9.15000	0.00000	1.42452	No	9.15000
1882	GLOBAL	Cartesian	9.30000	0.00000	0.14996	No	9.30000
1883	GLOBAL	Cartesian	9.30000	0.00000	0.29996	No	9.30000
1884	GLOBAL	Cartesian	9.30000	0.00000	0.44996	No	9.30000
1885	GLOBAL	Cartesian	9.30000	0.00000	0.59996	No	9.30000
1886	GLOBAL	Cartesian	9.30000	0.00000	0.74996	No	9.30000
1887	GLOBAL	Cartesian	9.30000	0.00000	0.89996	No	9.30000
1888	GLOBAL	Cartesian	9.30000	0.00000	1.04996	No	9.30000
1889	GLOBAL	Cartesian	9.30000	0.00000	1.19996	No	9.30000
1890	GLOBAL	Cartesian	9.30000	0.00000	1.34996	No	9.30000
1891	GLOBAL	Cartesian	9.42888	0.00000	0.14996	No	9.42888
1892	GLOBAL	Cartesian	9.42888	0.00000	0.29996	No	9.42888
1893	GLOBAL	Cartesian	9.42888	0.00000	0.44996	No	9.42888
1894	GLOBAL	Cartesian	9.42888	0.00000	0.59996	No	9.42888
1895	GLOBAL	Cartesian	9.42888	0.00000	0.74996	No	9.42888
1896	GLOBAL	Cartesian	9.42888	0.00000	0.89996	No	9.42888
1897	GLOBAL	Cartesian	9.42888	0.00000	1.04996	No	9.42888
1898	GLOBAL	Cartesian	9.42888	0.00000	1.19996	No	9.42888
1899	GLOBAL	Cartesian	9.60000	0.00000	0.14996	No	9.60000

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1900	GLOBAL	Cartesian	9.60000	0.00000	0.29996	No	9.60000
1901	GLOBAL	Cartesian	9.60000	0.00000	0.44996	No	9.60000
1902	GLOBAL	Cartesian	9.60000	0.00000	0.59996	No	9.60000
1903	GLOBAL	Cartesian	9.60000	0.00000	0.74996	No	9.60000
1904	GLOBAL	Cartesian	9.60000	0.00000	0.89996	No	9.60000
1905	GLOBAL	Cartesian	9.60000	0.00000	1.04996	No	9.60000
1906	GLOBAL	Cartesian	9.60000	0.00000	1.19996	No	9.60000
1907	GLOBAL	Cartesian	9.75000	0.00000	0.14996	No	9.75000
1908	GLOBAL	Cartesian	9.75000	0.00000	0.29996	No	9.75000
1909	GLOBAL	Cartesian	9.75000	0.00000	0.44996	No	9.75000
1910	GLOBAL	Cartesian	9.75000	0.00000	0.59996	No	9.75000
1911	GLOBAL	Cartesian	9.75000	0.00000	0.74996	No	9.75000
1912	GLOBAL	Cartesian	9.75000	0.00000	0.89996	No	9.75000
1913	GLOBAL	Cartesian	9.75000	0.00000	1.04996	No	9.75000
1914	GLOBAL	Cartesian	9.75000	0.00000	1.19996	No	9.75000
1915	GLOBAL	Cartesian	9.90000	0.00000	0.14996	No	9.90000
1916	GLOBAL	Cartesian	9.90000	0.00000	0.29996	No	9.90000
1917	GLOBAL	Cartesian	9.90000	0.00000	0.44996	No	9.90000
1918	GLOBAL	Cartesian	9.90000	0.00000	0.59996	No	9.90000
1919	GLOBAL	Cartesian	9.90000	0.00000	0.74996	No	9.90000
1920	GLOBAL	Cartesian	9.90000	0.00000	0.89996	No	9.90000
1921	GLOBAL	Cartesian	9.90000	0.00000	1.04996	No	9.90000
1922	GLOBAL	Cartesian	9.90000	0.00000	1.19996	No	9.90000
1923	GLOBAL	Cartesian	10.05000	0.00000	0.14996	No	10.05000
1924	GLOBAL	Cartesian	10.05000	0.00000	0.29996	No	10.05000
1925	GLOBAL	Cartesian	10.05000	0.00000	0.44996	No	10.05000
1926	GLOBAL	Cartesian	10.05000	0.00000	0.59996	No	10.05000
1927	GLOBAL	Cartesian	10.05000	0.00000	0.74996	No	10.05000
1928	GLOBAL	Cartesian	10.05000	0.00000	0.89996	No	10.05000
1929	GLOBAL	Cartesian	10.05000	0.00000	1.04996	No	10.05000
1930	GLOBAL	Cartesian	10.05000	0.00000	1.19996	No	10.05000
1931	GLOBAL	Cartesian	10.20000	0.00000	0.14996	No	10.20000
1932	GLOBAL	Cartesian	10.20000	0.00000	0.29996	No	10.20000
1933	GLOBAL	Cartesian	10.20000	0.00000	0.44996	No	10.20000
1934	GLOBAL	Cartesian	10.20000	0.00000	0.59996	No	10.20000
1935	GLOBAL	Cartesian	10.20000	0.00000	0.74996	No	10.20000
1936	GLOBAL	Cartesian	10.20000	0.00000	0.89996	No	10.20000
1937	GLOBAL	Cartesian	10.20000	0.00000	1.04996	No	10.20000
1938	GLOBAL	Cartesian	10.20000	0.00000	1.19996	No	10.20000
1939	GLOBAL	Cartesian	10.35000	0.00000	0.14996	No	10.35000
1940	GLOBAL	Cartesian	10.35000	0.00000	0.29996	No	10.35000
1941	GLOBAL	Cartesian	10.35000	0.00000	0.44996	No	10.35000
1942	GLOBAL	Cartesian	10.35000	0.00000	0.59996	No	10.35000
1943	GLOBAL	Cartesian	10.35000	0.00000	0.74996	No	10.35000
1944	GLOBAL	Cartesian	10.35000	0.00000	0.89996	No	10.35000
1945	GLOBAL	Cartesian	10.35000	0.00000	1.04996	No	10.35000
1946	GLOBAL	Cartesian	10.35000	0.00000	1.19996	No	10.35000
1947	GLOBAL	Cartesian	10.50000	0.00000	0.14996	No	10.50000
1948	GLOBAL	Cartesian	10.50000	0.00000	0.29996	No	10.50000
1949	GLOBAL	Cartesian	10.50000	0.00000	0.44996	No	10.50000
1950	GLOBAL	Cartesian	10.50000	0.00000	0.59996	No	10.50000
1951	GLOBAL	Cartesian	10.50000	0.00000	0.74996	No	10.50000
1952	GLOBAL	Cartesian	10.50000	0.00000	0.89996	No	10.50000
1953	GLOBAL	Cartesian	10.50000	0.00000	1.04996	No	10.50000
1954	GLOBAL	Cartesian	10.50000	0.00000	1.19996	No	10.50000
1955	GLOBAL	Cartesian	10.65000	0.00000	0.14996	No	10.65000
1956	GLOBAL	Cartesian	10.65000	0.00000	0.29996	No	10.65000
1957	GLOBAL	Cartesian	10.65000	0.00000	0.44996	No	10.65000
1958	GLOBAL	Cartesian	10.65000	0.00000	0.59996	No	10.65000
1959	GLOBAL	Cartesian	10.65000	0.00000	0.74996	No	10.65000
1960	GLOBAL	Cartesian	10.65000	0.00000	0.89996	No	10.65000
1961	GLOBAL	Cartesian	10.65000	0.00000	1.04996	No	10.65000
1962	GLOBAL	Cartesian	10.65000	0.00000	1.19996	No	10.65000
1963	GLOBAL	Cartesian	10.80000	0.00000	0.14996	No	10.80000
1964	GLOBAL	Cartesian	10.80000	0.00000	0.29996	No	10.80000
1965	GLOBAL	Cartesian	10.80000	0.00000	0.44996	No	10.80000
1966	GLOBAL	Cartesian	10.80000	0.00000	0.59996	No	10.80000
1967	GLOBAL	Cartesian	10.80000	0.00000	0.74996	No	10.80000
1968	GLOBAL	Cartesian	10.80000	0.00000	0.89996	No	10.80000



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1969	GLOBAL	Cartesian	10.80000	0.00000	1.04996	No	10.80000
1970	GLOBAL	Cartesian	10.80000	0.00000	1.19996	No	10.80000
1971	GLOBAL	Cartesian	10.95000	0.00000	0.14996	No	10.95000
1972	GLOBAL	Cartesian	10.95000	0.00000	0.29996	No	10.95000
1973	GLOBAL	Cartesian	10.95000	0.00000	0.44996	No	10.95000
1974	GLOBAL	Cartesian	10.95000	0.00000	0.59996	No	10.95000
1975	GLOBAL	Cartesian	10.95000	0.00000	0.74996	No	10.95000
1976	GLOBAL	Cartesian	10.95000	0.00000	0.89996	No	10.95000
1977	GLOBAL	Cartesian	10.95000	0.00000	1.04996	No	10.95000
1978	GLOBAL	Cartesian	10.95000	0.00000	1.19996	No	10.95000
1979	GLOBAL	Cartesian	11.10000	0.00000	0.14996	No	11.10000
1980	GLOBAL	Cartesian	11.10000	0.00000	0.29996	No	11.10000
1981	GLOBAL	Cartesian	11.10000	0.00000	0.44996	No	11.10000
1982	GLOBAL	Cartesian	11.10000	0.00000	0.59996	No	11.10000
1983	GLOBAL	Cartesian	11.10000	0.00000	0.74996	No	11.10000
1984	GLOBAL	Cartesian	11.10000	0.00000	0.89996	No	11.10000
1985	GLOBAL	Cartesian	11.10000	0.00000	1.04996	No	11.10000
1986	GLOBAL	Cartesian	11.10000	0.00000	1.19996	No	11.10000
1987	GLOBAL	Cartesian	11.25000	0.00000	0.14996	No	11.25000
1988	GLOBAL	Cartesian	11.25000	0.00000	0.29996	No	11.25000
1989	GLOBAL	Cartesian	11.25000	0.00000	0.44996	No	11.25000
1990	GLOBAL	Cartesian	11.25000	0.00000	0.59996	No	11.25000
1991	GLOBAL	Cartesian	11.25000	0.00000	0.74996	No	11.25000
1992	GLOBAL	Cartesian	11.25000	0.00000	0.89996	No	11.25000
1993	GLOBAL	Cartesian	11.25000	0.00000	1.04996	No	11.25000
1994	GLOBAL	Cartesian	11.25000	0.00000	1.19996	No	11.25000
1995	GLOBAL	Cartesian	11.40000	0.00000	0.14996	No	11.40000
1996	GLOBAL	Cartesian	11.40000	0.00000	0.29996	No	11.40000
1997	GLOBAL	Cartesian	11.40000	0.00000	0.44996	No	11.40000
1998	GLOBAL	Cartesian	11.40000	0.00000	0.59996	No	11.40000
1999	GLOBAL	Cartesian	11.40000	0.00000	0.74996	No	11.40000
2000	GLOBAL	Cartesian	11.40000	0.00000	0.89996	No	11.40000
2001	GLOBAL	Cartesian	11.40000	0.00000	1.04996	No	11.40000
2002	GLOBAL	Cartesian	11.40000	0.00000	1.19996	No	11.40000
2003	GLOBAL	Cartesian	11.55000	0.00000	0.14996	No	11.55000
2004	GLOBAL	Cartesian	11.55000	0.00000	0.29996	No	11.55000
2005	GLOBAL	Cartesian	11.55000	0.00000	0.44996	No	11.55000
2006	GLOBAL	Cartesian	11.55000	0.00000	0.59996	No	11.55000
2007	GLOBAL	Cartesian	11.55000	0.00000	0.74996	No	11.55000
2008	GLOBAL	Cartesian	11.55000	0.00000	0.89996	No	11.55000
2009	GLOBAL	Cartesian	11.55000	0.00000	1.04996	No	11.55000
2010	GLOBAL	Cartesian	11.55000	0.00000	1.19996	No	11.55000
2011	GLOBAL	Cartesian	11.70000	0.00000	0.14996	No	11.70000
2012	GLOBAL	Cartesian	11.70000	0.00000	0.29996	No	11.70000
2013	GLOBAL	Cartesian	11.70000	0.00000	0.44996	No	11.70000
2014	GLOBAL	Cartesian	11.70000	0.00000	0.59996	No	11.70000
2015	GLOBAL	Cartesian	11.70000	0.00000	0.74996	No	11.70000
2016	GLOBAL	Cartesian	11.70000	0.00000	0.89996	No	11.70000
2017	GLOBAL	Cartesian	11.70000	0.00000	1.04996	No	11.70000
2018	GLOBAL	Cartesian	11.70000	0.00000	1.19996	No	11.70000
2019	GLOBAL	Cartesian	11.85000	0.00000	0.14996	No	11.85000
2020	GLOBAL	Cartesian	11.85000	0.00000	0.29996	No	11.85000
2021	GLOBAL	Cartesian	11.85000	0.00000	0.44996	No	11.85000
2022	GLOBAL	Cartesian	11.85000	0.00000	0.59996	No	11.85000
2023	GLOBAL	Cartesian	11.85000	0.00000	0.74996	No	11.85000
2024	GLOBAL	Cartesian	11.85000	0.00000	0.89996	No	11.85000
2025	GLOBAL	Cartesian	11.85000	0.00000	1.04996	No	11.85000
2026	GLOBAL	Cartesian	11.85000	0.00000	1.19996	No	11.85000
2027	GLOBAL	Cartesian	12.00000	0.00000	0.14996	No	12.00000
2028	GLOBAL	Cartesian	12.00000	0.00000	0.29996	No	12.00000
2029	GLOBAL	Cartesian	12.00000	0.00000	0.44996	No	12.00000
2030	GLOBAL	Cartesian	12.00000	0.00000	0.59996	No	12.00000
2031	GLOBAL	Cartesian	12.00000	0.00000	0.74996	No	12.00000
2032	GLOBAL	Cartesian	12.00000	0.00000	0.89996	No	12.00000
2033	GLOBAL	Cartesian	12.00000	0.00000	1.04996	No	12.00000
2034	GLOBAL	Cartesian	12.00000	0.00000	1.19996	No	12.00000
2035	GLOBAL	Cartesian	12.15000	0.00000	0.14996	No	12.15000
2036	GLOBAL	Cartesian	12.15000	0.00000	0.29996	No	12.15000
2037	GLOBAL	Cartesian	12.15000	0.00000	0.44996	No	12.15000



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2038	GLOBAL	Cartesian	12.15000	0.00000	0.59996	No	12.15000
2039	GLOBAL	Cartesian	12.15000	0.00000	0.74996	No	12.15000
2040	GLOBAL	Cartesian	12.15000	0.00000	0.89996	No	12.15000
2041	GLOBAL	Cartesian	12.15000	0.00000	1.04996	No	12.15000
2042	GLOBAL	Cartesian	12.15000	0.00000	1.19996	No	12.15000
2043	GLOBAL	Cartesian	5.68151	0.00000	0.14996	No	5.68151
2044	GLOBAL	Cartesian	5.68151	0.00000	0.29996	No	5.68151
2045	GLOBAL	Cartesian	5.68151	0.00000	0.44996	No	5.68151
2046	GLOBAL	Cartesian	5.68151	0.00000	0.59996	No	5.68151
2047	GLOBAL	Cartesian	5.68151	0.00000	0.74996	No	5.68151
2048	GLOBAL	Cartesian	5.68151	0.00000	0.89996	No	5.68151
2049	GLOBAL	Cartesian	5.68151	0.00000	1.04996	No	5.68151
2050	GLOBAL	Cartesian	5.68151	0.00000	1.19996	No	5.68151
2051	GLOBAL	Cartesian	5.68151	0.00000	1.34996	No	5.68151
2052	GLOBAL	Cartesian	5.68151	0.00000	1.42452	No	5.68151
2053	GLOBAL	Cartesian	5.68151	0.00000	1.51129	No	5.68151
2054	GLOBAL	Cartesian	5.68151	0.00000	1.59807	No	5.68151
2055	GLOBAL	Cartesian	5.68151	0.00000	1.68484	No	5.68151
2056	GLOBAL	Cartesian	5.68151	0.00000	1.77162	No	5.68151
2057	GLOBAL	Cartesian	5.68151	0.00000	1.85839	No	5.68151
2058	GLOBAL	Cartesian	5.68151	0.00000	1.94517	No	5.68151
2059	GLOBAL	Cartesian	5.68151	0.00000	2.03195	No	5.68151
2060	GLOBAL	Cartesian	5.68151	0.00000	2.11872	No	5.68151
2061	GLOBAL	Cartesian	5.68151	0.00000	2.20550	No	5.68151
2062	GLOBAL	Cartesian	5.68151	0.00000	2.29227	No	5.68151

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
1	0.00000	2.34996	
2	0.00000	5.54996	
3	0.00000	2.34996	
4	0.00000	2.34996	
5	0.00000	1.34996	
6	0.00000	1.34996	
7	0.00000	-4.218E-05	
8	0.00000	5.54996	
9	0.00000	1.49996	
10	0.00000	1.49996	
11	0.00000	-4.218E-05	
12	0.00000	1.49996	
13	0.00000	1.49996	
14	0.00000	5.46318	
15	0.00000	1.49996	
16	0.00000	5.37641	
17	0.00000	1.49996	
18	0.00000	5.28963	
19	0.00000	1.49996	
20	0.00000	5.20286	
21	0.00000	1.49996	
22	0.00000	5.11608	
23	0.00000	1.49996	
24	0.00000	5.02930	
25	0.00000	1.49996	
26	0.00000	4.94253	
27	0.00000	1.49996	
28	0.00000	4.85575	
29	0.00000	1.49996	
30	0.00000	4.76898	
31	0.00000	1.49996	
32	0.00000	4.68220	
33	0.00000	1.49996	
34	0.00000	4.59543	
35	0.00000	1.49996	
36	0.00000	4.50865	
37	0.00000	1.49996	

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

38	0.00000	4.42187
39	0.00000	1.49996
40	0.00000	4.33510
41	0.00000	1.49996
42	0.00000	4.24832
43	0.00000	1.49996
44	0.00000	4.16155
45	0.00000	1.49996
46	0.00000	4.07477
47	0.00000	1.49996
48	0.00000	3.98800
49	0.00000	3.90122
50	0.00000	-4.218E-05
51	0.00000	3.81444
52	0.00000	-4.218E-05
53	0.00000	3.72767
54	0.00000	-4.218E-05
55	0.00000	3.64089
56	0.00000	-4.218E-05
57	0.00000	3.55412
58	0.00000	-4.218E-05
59	0.00000	3.48807
60	0.00000	-4.218E-05
61	0.00000	3.38057
62	0.00000	-4.218E-05
63	0.00000	3.29379
64	0.00000	-4.218E-05
65	0.00000	3.20702
66	0.00000	-4.218E-05
67	0.00000	3.12024
68	0.00000	-4.218E-05
69	0.00000	3.03346
70	0.00000	-4.218E-05
71	0.00000	2.94669
72	0.00000	-4.218E-05
73	0.00000	2.85991
74	0.00000	-4.218E-05
75	0.00000	2.77314
76	0.00000	-4.218E-05
77	0.00000	2.68636
78	0.00000	-4.218E-05
79	0.00000	2.59959
80	0.00000	-4.218E-05
81	0.00000	2.51281
82	0.00000	-4.218E-05
83	0.00000	2.42603
84	0.00000	-4.218E-05
85	0.00000	2.34996
86	0.00000	-4.218E-05
87	0.00000	2.34996
88	0.00000	-4.218E-05
89	0.00000	2.34996
90	0.00000	-4.218E-05
91	0.00000	2.34996
92	0.00000	-4.218E-05
93	0.00000	2.34996
94	0.00000	-4.218E-05
95	0.00000	2.34996
96	0.00000	-4.218E-05
97	0.00000	2.34996
98	0.00000	-4.218E-05
99	0.00000	2.34996
100	0.00000	-4.218E-05
101	0.00000	2.34996
102	0.00000	-4.218E-05
103	0.00000	2.34996
104	0.00000	-4.218E-05
105	0.00000	2.34996
106	0.00000	-4.218E-05

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

107	0.00000	2.34996
108	0.00000	-4.218E-05
109	0.00000	2.34996
110	0.00000	-4.218E-05
111	0.00000	-4.218E-05
112	0.00000	2.29227
113	0.00000	-4.218E-05
114	0.00000	2.20550
115	0.00000	-4.218E-05
116	0.00000	2.11872
117	0.00000	-4.218E-05
118	0.00000	2.03195
119	0.00000	-4.218E-05
120	0.00000	1.94517
121	0.00000	-4.218E-05
122	0.00000	1.85839
123	0.00000	-4.218E-05
124	0.00000	1.77162
125	0.00000	-4.218E-05
126	0.00000	1.68484
127	0.00000	-4.218E-05
128	0.00000	1.59807
129	0.00000	-4.218E-05
130	0.00000	1.51129
131	0.00000	-4.218E-05
132	0.00000	1.42452
133	0.00000	-4.218E-05
134	0.00000	-4.218E-05
135	0.00000	1.34996
136	0.00000	-4.218E-05
137	0.00000	1.34996
138	0.00000	-4.218E-05
139	0.00000	1.34996
140	0.00000	-4.218E-05
141	0.00000	1.34996
142	0.00000	-4.218E-05
143	0.00000	1.34996
144	0.00000	-4.218E-05
145	0.00000	1.34996
146	0.00000	-4.218E-05
147	0.00000	1.34996
148	0.00000	-4.218E-05
149	0.00000	1.34996
150	0.00000	-4.218E-05
151	0.00000	1.34996
152	0.00000	-4.218E-05
153	0.00000	1.34996
154	0.00000	-4.218E-05
155	0.00000	1.34996
156	0.00000	-4.218E-05
157	0.00000	1.34996
158	0.00000	-4.218E-05
159	0.00000	1.34996
160	0.00000	-4.218E-05
161	0.00000	1.34996
162	0.00000	-4.218E-05
163	0.00000	1.34996
164	0.00000	-4.218E-05
165	0.00000	1.34996
166	0.00000	-4.218E-05
167	0.00000	1.34996
168	0.00000	-4.218E-05
169	0.00000	1.34996
170	0.00000	0.14996
171	0.00000	0.14996
172	0.00000	0.29996
173	0.00000	0.29996
174	0.00000	0.44996
175	0.00000	0.44996

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

176	0.00000	0.59996
177	0.00000	0.59996
178	0.00000	0.74996
179	0.00000	0.74996
180	0.00000	0.89996
181	0.00000	0.89996
182	0.00000	1.04996
183	0.00000	1.04996
184	0.00000	1.19996
185	0.00000	1.19996
186	0.00000	1.34996
187	0.00000	3.55000
189	0.00000	5.20286
190	0.00000	5.46318
191	0.00000	5.37641
192	0.00000	5.28963
193	0.00000	5.11608
194	0.00000	5.02930
195	0.00000	4.94253
196	0.00000	4.85575
197	0.00000	4.76898
198	0.00000	4.68220
199	0.00000	4.59543
200	0.00000	4.50865
201	0.00000	4.42187
202	0.00000	4.33510
203	0.00000	4.24832
204	0.00000	4.16155
205	0.00000	4.07477
206	0.00000	3.98800
207	0.00000	3.90122
208	0.00000	3.81444
209	0.00000	3.72767
210	0.00000	3.64089
211	0.00000	3.38057
212	0.00000	3.29379
213	0.00000	3.20702
214	0.00000	3.12024
215	0.00000	3.03346
216	0.00000	2.94669
217	0.00000	2.85991
218	0.00000	2.77314
219	0.00000	2.68636
220	0.00000	2.59959
221	0.00000	2.51281
222	0.00000	2.42603
223	0.00000	1.42452
224	0.00000	1.51129
225	0.00000	1.59807
226	0.00000	1.68484
227	0.00000	1.77162
228	0.00000	1.85839
229	0.00000	1.94517
230	0.00000	2.03195
231	0.00000	2.11872
232	0.00000	2.20550
233	0.00000	2.29227
234	0.00000	-4.218E-05
235	0.00000	2.34996
236	0.00000	2.34996
237	0.00000	2.34996
238	0.00000	2.34996
239	0.00000	2.34996
240	0.00000	2.34996
241	0.00000	2.34996
242	0.00000	2.34996
243	0.00000	2.34996
244	0.00000	2.34996
245	0.00000	2.34996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

246	0.00000	2.34996
247	0.00000	2.34996
248	0.00000	2.34996
249	0.00000	2.34996
250	0.00000	2.34996
251	0.00000	2.34996
252	0.00000	2.34996
253	0.00000	2.34996
254	0.00000	2.34996
255	0.00000	2.34996
256	0.00000	2.34996
257	0.00000	2.34996
258	0.00000	2.34996
259	0.00000	2.34996
260	0.00000	2.34996
261	0.00000	2.34996
262	0.00000	2.34996
263	0.00000	2.34996
264	0.00000	2.34996
265	0.00000	2.34996
266	0.00000	2.34996
267	0.00000	2.34996
268	0.00000	2.34996
269	0.00000	2.34996
270	0.00000	2.34996
271	0.00000	2.34996
272	0.00000	1.59807
273	0.00000	1.68484
274	0.00000	1.77162
275	0.00000	1.85839
276	0.00000	1.94517
277	0.00000	2.03195
278	0.00000	2.11872
279	0.00000	2.20550
280	0.00000	2.29227
281	0.00000	2.42603
282	0.00000	2.51281
283	0.00000	2.59959
284	0.00000	2.68636
285	0.00000	2.77314
286	0.00000	2.85991
287	0.00000	2.94669
288	0.00000	3.03346
289	0.00000	3.12024
290	0.00000	3.20702
291	0.00000	3.29379
292	0.00000	3.38057
293	0.00000	3.55000
295	0.00000	3.64089
296	0.00000	3.72767
297	0.00000	3.81444
298	0.00000	3.90122
299	0.00000	3.98800
300	0.00000	4.07477
301	0.00000	4.16155
302	0.00000	4.24832
303	0.00000	4.33510
304	0.00000	4.42187
305	0.00000	4.50865
306	0.00000	4.59543
307	0.00000	4.68220
308	0.00000	4.76898
309	0.00000	4.85575
310	0.00000	4.94253
311	0.00000	5.02930
312	0.00000	5.11608
313	0.00000	5.20286
314	0.00000	5.28963
315	0.00000	5.37641

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

316	0.00000	5.46318
317	0.00000	1.59807
318	0.00000	1.68484
319	0.00000	1.77162
320	0.00000	1.85839
321	0.00000	1.94517
322	0.00000	2.03195
323	0.00000	2.11872
324	0.00000	2.20550
325	0.00000	2.29227
326	0.00000	2.42603
327	0.00000	2.51281
328	0.00000	2.59959
329	0.00000	2.68636
330	0.00000	2.77314
331	0.00000	2.85991
332	0.00000	2.94669
333	0.00000	3.03346
334	0.00000	3.12024
335	0.00000	3.20702
336	0.00000	3.29379
337	0.00000	3.38057
338	0.00000	3.55000
340	0.00000	3.64089
341	0.00000	3.72767
342	0.00000	3.81444
343	0.00000	3.90122
344	0.00000	3.98800
345	0.00000	4.07477
346	0.00000	4.16155
347	0.00000	4.24832
348	0.00000	4.33510
349	0.00000	4.42187
350	0.00000	4.50865
351	0.00000	4.59543
352	0.00000	4.68220
353	0.00000	4.76898
354	0.00000	4.85575
355	0.00000	4.94253
356	0.00000	5.02930
357	0.00000	5.11608
358	0.00000	5.20286
359	0.00000	5.28963
360	0.00000	5.37641
361	0.00000	1.59807
362	0.00000	1.68484
363	0.00000	1.77162
364	0.00000	1.85839
365	0.00000	1.94517
366	0.00000	2.03195
367	0.00000	2.11872
368	0.00000	2.20550
369	0.00000	2.29227
370	0.00000	2.42603
371	0.00000	2.51281
372	0.00000	2.59959
373	0.00000	2.68636
374	0.00000	2.77314
375	0.00000	2.85991
376	0.00000	2.94669
377	0.00000	3.03346
378	0.00000	3.12024
379	0.00000	3.20702
380	0.00000	3.29379
381	0.00000	3.38057
382	0.00000	3.55000
384	0.00000	3.64089
385	0.00000	3.72767
386	0.00000	3.81444

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

387	0.00000	3.90122
388	0.00000	3.98800
389	0.00000	4.07477
390	0.00000	4.16155
391	0.00000	4.24832
392	0.00000	4.33510
393	0.00000	4.42187
394	0.00000	4.50865
395	0.00000	4.59543
396	0.00000	4.68220
397	0.00000	4.76898
398	0.00000	4.85575
399	0.00000	4.94253
400	0.00000	5.02930
401	0.00000	5.11608
402	0.00000	5.20286
403	0.00000	5.28963
404	0.00000	1.59807
405	0.00000	1.68484
406	0.00000	1.77162
407	0.00000	1.85839
408	0.00000	1.94517
409	0.00000	2.03195
410	0.00000	2.11872
411	0.00000	2.20550
412	0.00000	2.29227
413	0.00000	2.42603
414	0.00000	2.51281
415	0.00000	2.59959
416	0.00000	2.68636
417	0.00000	2.77314
418	0.00000	2.85991
419	0.00000	2.94669
420	0.00000	3.03346
421	0.00000	3.12024
422	0.00000	3.20702
423	0.00000	3.29379
424	0.00000	3.38057
425	0.00000	3.55000
427	0.00000	3.64089
428	0.00000	3.72767
429	0.00000	3.81444
430	0.00000	3.90122
431	0.00000	3.98800
432	0.00000	4.07477
433	0.00000	4.16155
434	0.00000	4.24832
435	0.00000	4.33510
436	0.00000	4.42187
437	0.00000	4.50865
438	0.00000	4.59543
439	0.00000	4.68220
440	0.00000	4.76898
441	0.00000	4.85575
442	0.00000	4.94253
443	0.00000	5.02930
444	0.00000	5.11608
445	0.00000	5.20286
446	0.00000	1.59807
447	0.00000	1.68484
448	0.00000	1.77162
449	0.00000	1.85839
450	0.00000	1.94517
451	0.00000	2.03195
452	0.00000	2.11872
453	0.00000	2.20550
454	0.00000	2.29227
455	0.00000	2.42603
456	0.00000	2.51281



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

457	0.00000	2.59959
458	0.00000	2.68636
459	0.00000	2.77314
460	0.00000	2.85991
461	0.00000	2.94669
462	0.00000	3.03346
463	0.00000	3.12024
464	0.00000	3.20702
465	0.00000	3.29379
466	0.00000	3.38057
467	0.00000	3.55000
469	0.00000	3.64089
470	0.00000	3.72767
471	0.00000	3.81444
472	0.00000	3.90122
473	0.00000	3.98800
474	0.00000	4.07477
475	0.00000	4.16155
476	0.00000	4.24832
477	0.00000	4.33510
478	0.00000	4.42187
479	0.00000	4.50865
480	0.00000	4.59543
481	0.00000	4.68220
482	0.00000	4.76898
483	0.00000	4.85575
484	0.00000	4.94253
485	0.00000	5.02930
486	0.00000	5.11608
487	0.00000	1.59807
488	0.00000	1.68484
489	0.00000	1.77162
490	0.00000	1.85839
491	0.00000	1.94517
492	0.00000	2.03195
493	0.00000	2.11872
494	0.00000	2.20550
495	0.00000	2.29227
496	0.00000	2.42603
497	0.00000	2.51281
498	0.00000	2.59959
499	0.00000	2.68636
500	0.00000	2.77314
501	0.00000	2.85991
502	0.00000	2.94669
503	0.00000	3.03346
504	0.00000	3.12024
505	0.00000	3.20702
506	0.00000	3.29379
507	0.00000	3.38057
508	0.00000	3.55000
510	0.00000	3.64089
511	0.00000	3.72767
512	0.00000	3.81444
513	0.00000	3.90122
514	0.00000	3.98800
515	0.00000	4.07477
516	0.00000	4.16155
517	0.00000	4.24832
518	0.00000	4.33510
519	0.00000	4.42187
520	0.00000	4.50865
521	0.00000	4.59543
522	0.00000	4.68220
523	0.00000	4.76898
524	0.00000	4.85575
525	0.00000	4.94253
526	0.00000	5.02930
527	0.00000	1.59807

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

528	0.00000	1.68484
529	0.00000	1.77162
530	0.00000	1.85839
531	0.00000	1.94517
532	0.00000	2.03195
533	0.00000	2.11872
534	0.00000	2.20550
535	0.00000	2.29227
536	0.00000	2.42603
537	0.00000	2.51281
538	0.00000	2.59959
539	0.00000	2.68636
540	0.00000	2.77314
541	0.00000	2.85991
542	0.00000	2.94669
543	0.00000	3.03346
544	0.00000	3.12024
545	0.00000	3.20702
546	0.00000	3.29379
547	0.00000	3.38057
548	0.00000	3.55000
550	0.00000	3.64089
551	0.00000	3.72767
552	0.00000	3.81444
553	0.00000	3.90122
554	0.00000	3.98800
555	0.00000	4.07477
556	0.00000	4.16155
557	0.00000	4.24832
558	0.00000	4.33510
559	0.00000	4.42187
560	0.00000	4.50865
561	0.00000	4.59543
562	0.00000	4.68220
563	0.00000	4.76898
564	0.00000	4.85575
565	0.00000	4.94253
566	0.00000	1.59807
567	0.00000	1.68484
568	0.00000	1.77162
569	0.00000	1.85839
570	0.00000	1.94517
571	0.00000	2.03195
572	0.00000	2.11872
573	0.00000	2.20550
574	0.00000	2.29227
575	0.00000	2.42603
576	0.00000	2.51281
577	0.00000	2.59959
578	0.00000	2.68636
579	0.00000	2.77314
580	0.00000	2.85991
581	0.00000	2.94669
582	0.00000	3.03346
583	0.00000	3.12024
584	0.00000	3.20702
585	0.00000	3.29379
586	0.00000	3.38057
587	0.00000	3.55000
589	0.00000	3.64089
590	0.00000	3.72767
591	0.00000	3.81444
592	0.00000	3.90122
593	0.00000	3.98800
594	0.00000	4.07477
595	0.00000	4.16155
596	0.00000	4.24832
597	0.00000	4.33510
598	0.00000	4.42187

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

599	0.00000	4.50865
600	0.00000	4.59543
601	0.00000	4.68220
602	0.00000	4.76898
603	0.00000	4.85575
604	0.00000	1.59807
605	0.00000	1.68484
606	0.00000	1.77162
607	0.00000	1.85839
608	0.00000	1.94517
609	0.00000	2.03195
610	0.00000	2.11872
611	0.00000	2.20550
612	0.00000	2.29227
613	0.00000	2.42603
614	0.00000	2.51281
615	0.00000	2.59959
616	0.00000	2.68636
617	0.00000	2.77314
618	0.00000	2.85991
619	0.00000	2.94669
620	0.00000	3.03346
621	0.00000	3.12024
622	0.00000	3.20702
623	0.00000	3.29379
624	0.00000	3.38057
625	0.00000	3.55000
627	0.00000	3.64089
628	0.00000	3.72767
629	0.00000	3.81444
630	0.00000	3.90122
631	0.00000	3.98800
632	0.00000	4.07477
633	0.00000	4.16155
634	0.00000	4.24832
635	0.00000	4.33510
636	0.00000	4.42187
637	0.00000	4.50865
638	0.00000	4.59543
639	0.00000	4.68220
640	0.00000	4.76898
641	0.00000	1.59807
642	0.00000	1.68484
643	0.00000	1.77162
644	0.00000	1.85839
645	0.00000	1.94517
646	0.00000	2.03195
647	0.00000	2.11872
648	0.00000	2.20550
649	0.00000	2.29227
650	0.00000	2.42603
651	0.00000	2.51281
652	0.00000	2.59959
653	0.00000	2.68636
654	0.00000	2.77314
655	0.00000	2.85991
656	0.00000	2.94669
657	0.00000	3.03346
658	0.00000	3.12024
659	0.00000	3.20702
660	0.00000	3.29379
661	0.00000	3.38057
662	0.00000	3.55000
664	0.00000	3.64089
665	0.00000	3.72767
666	0.00000	3.81444
667	0.00000	3.90122
668	0.00000	3.98800
669	0.00000	4.07477

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

670	0.00000	4.16155
671	0.00000	4.24832
672	0.00000	4.33510
673	0.00000	4.42187
674	0.00000	4.50865
675	0.00000	4.59543
676	0.00000	4.68220
677	0.00000	1.59807
678	0.00000	1.68484
679	0.00000	1.77162
680	0.00000	1.85839
681	0.00000	1.94517
682	0.00000	2.03195
683	0.00000	2.11872
684	0.00000	2.20550
685	0.00000	2.29227
686	0.00000	2.42603
687	0.00000	2.51281
688	0.00000	2.59959
689	0.00000	2.68636
690	0.00000	2.77314
691	0.00000	2.85991
692	0.00000	2.94669
693	0.00000	3.03346
694	0.00000	3.12024
695	0.00000	3.20702
696	0.00000	3.29379
697	0.00000	3.38057
698	0.00000	3.55000
700	0.00000	3.64089
701	0.00000	3.72767
702	0.00000	3.81444
703	0.00000	3.90122
704	0.00000	3.98800
705	0.00000	4.07477
706	0.00000	4.16155
707	0.00000	4.24832
708	0.00000	4.33510
709	0.00000	4.42187
710	0.00000	4.50865
711	0.00000	4.59543
712	0.00000	1.59807
713	0.00000	1.68484
714	0.00000	1.77162
715	0.00000	1.85839
716	0.00000	1.94517
717	0.00000	2.03195
718	0.00000	2.11872
719	0.00000	2.20550
720	0.00000	2.29227
721	0.00000	2.42603
722	0.00000	2.51281
723	0.00000	2.59959
724	0.00000	2.68636
725	0.00000	2.77314
726	0.00000	2.85991
727	0.00000	2.94669
728	0.00000	3.03346
729	0.00000	3.12024
730	0.00000	3.20702
731	0.00000	3.29379
732	0.00000	3.38057
733	0.00000	3.55000
735	0.00000	3.64089
736	0.00000	3.72767
737	0.00000	3.81444
738	0.00000	3.90122
739	0.00000	3.98800
740	0.00000	4.07477

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

741	0.00000	4.16155
742	0.00000	4.24832
743	0.00000	4.33510
744	0.00000	4.42187
745	0.00000	4.50865
746	0.00000	1.59807
747	0.00000	1.68484
748	0.00000	1.77162
749	0.00000	1.85839
750	0.00000	1.94517
751	0.00000	2.03195
752	0.00000	2.11872
753	0.00000	2.20550
754	0.00000	2.29227
755	0.00000	2.42603
756	0.00000	2.51281
757	0.00000	2.59959
758	0.00000	2.68636
759	0.00000	2.77314
760	0.00000	2.85991
761	0.00000	2.94669
762	0.00000	3.03346
763	0.00000	3.12024
764	0.00000	3.20702
765	0.00000	3.29379
766	0.00000	3.38057
767	0.00000	3.55000
769	0.00000	3.64089
770	0.00000	3.72767
771	0.00000	3.81444
772	0.00000	3.90122
773	0.00000	3.98800
774	0.00000	4.07477
775	0.00000	4.16155
776	0.00000	4.24832
777	0.00000	4.33510
778	0.00000	4.42187
779	0.00000	1.59807
780	0.00000	1.68484
781	0.00000	1.77162
782	0.00000	1.85839
783	0.00000	1.94517
784	0.00000	2.03195
785	0.00000	2.11872
786	0.00000	2.20550
787	0.00000	2.29227
788	0.00000	2.42603
789	0.00000	2.51281
790	0.00000	2.59959
791	0.00000	2.68636
792	0.00000	2.77314
793	0.00000	2.85991
794	0.00000	2.94669
795	0.00000	3.03346
796	0.00000	3.12024
797	0.00000	3.20702
798	0.00000	3.29379
799	0.00000	3.38057
800	0.00000	3.55000
802	0.00000	3.64089
803	0.00000	3.72767
804	0.00000	3.81444
805	0.00000	3.90122
806	0.00000	3.98800
807	0.00000	4.07477
808	0.00000	4.16155
809	0.00000	4.24832
810	0.00000	4.33510
811	0.00000	1.59807

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

812	0.00000	1.68484
813	0.00000	1.77162
814	0.00000	1.85839
815	0.00000	1.94517
816	0.00000	2.03195
817	0.00000	2.11872
818	0.00000	2.20550
819	0.00000	2.29227
820	0.00000	2.42603
821	0.00000	2.51281
822	0.00000	2.59959
823	0.00000	2.68636
824	0.00000	2.77314
825	0.00000	2.85991
826	0.00000	2.94669
827	0.00000	3.03346
828	0.00000	3.12024
829	0.00000	3.20702
830	0.00000	3.29379
831	0.00000	3.38057
832	0.00000	3.55000
834	0.00000	3.64089
835	0.00000	3.72767
836	0.00000	3.81444
837	0.00000	3.90122
838	0.00000	3.98800
839	0.00000	4.07477
840	0.00000	4.16155
841	0.00000	4.24832
842	0.00000	1.59807
843	0.00000	1.68484
844	0.00000	1.77162
845	0.00000	1.85839
846	0.00000	1.94517
847	0.00000	2.03195
848	0.00000	2.11872
849	0.00000	2.20550
850	0.00000	2.29227
851	0.00000	2.42603
852	0.00000	2.51281
853	0.00000	2.59959
854	0.00000	2.68636
855	0.00000	2.77314
856	0.00000	2.85991
857	0.00000	2.94669
858	0.00000	3.03346
859	0.00000	3.12024
860	0.00000	3.20702
861	0.00000	3.29379
862	0.00000	3.38057
863	0.00000	3.55000
865	0.00000	3.64089
866	0.00000	3.72767
867	0.00000	3.81444
868	0.00000	3.90122
869	0.00000	3.98800
870	0.00000	4.07477
871	0.00000	4.16155
872	0.00000	1.59807
873	0.00000	1.68484
874	0.00000	1.77162
875	0.00000	1.85839
876	0.00000	1.94517
877	0.00000	2.03195
878	0.00000	2.11872
879	0.00000	2.20550
880	0.00000	2.29227
881	0.00000	2.42603
882	0.00000	2.51281

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

883	0.00000	2.59959
884	0.00000	2.68636
885	0.00000	2.77314
886	0.00000	2.85991
887	0.00000	2.94669
888	0.00000	3.03346
889	0.00000	3.12024
890	0.00000	3.20702
891	0.00000	3.29379
892	0.00000	3.38057
893	0.00000	3.55000
895	0.00000	3.64089
896	0.00000	3.72767
897	0.00000	3.81444
898	0.00000	3.90122
899	0.00000	3.98800
900	0.00000	4.07477
901	0.00000	1.59807
902	0.00000	1.68484
903	0.00000	1.77162
904	0.00000	1.85839
905	0.00000	1.94517
906	0.00000	2.03195
907	0.00000	2.11872
908	0.00000	2.20550
909	0.00000	2.29227
910	0.00000	2.42603
911	0.00000	2.51281
912	0.00000	2.59959
913	0.00000	2.68636
914	0.00000	2.77314
915	0.00000	2.85991
916	0.00000	2.94669
917	0.00000	3.03346
918	0.00000	3.12024
919	0.00000	3.20702
920	0.00000	3.29379
921	0.00000	3.38057
922	0.00000	3.55000
924	0.00000	3.64089
925	0.00000	3.72767
926	0.00000	3.81444
927	0.00000	3.90122
928	0.00000	3.98800
929	0.00000	1.59807
930	0.00000	1.68484
931	0.00000	1.77162
932	0.00000	1.85839
933	0.00000	1.94517
934	0.00000	2.03195
935	0.00000	2.11872
936	0.00000	2.20550
937	0.00000	2.29227
938	0.00000	2.42603
939	0.00000	2.51281
940	0.00000	2.59959
941	0.00000	2.68636
942	0.00000	2.77314
943	0.00000	2.85991
944	0.00000	2.94669
945	0.00000	3.03346
946	0.00000	3.12024
947	0.00000	3.20702
948	0.00000	3.29379
949	0.00000	3.38057
950	0.00000	3.55000
952	0.00000	3.64089
953	0.00000	3.72767
954	0.00000	3.81444



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

955	0.00000	3.90122
956	0.00000	1.59807
957	0.00000	1.68484
958	0.00000	1.77162
959	0.00000	1.85839
960	0.00000	1.94517
961	0.00000	2.03195
962	0.00000	2.11872
963	0.00000	2.20550
964	0.00000	2.29227
965	0.00000	2.42603
966	0.00000	2.51281
967	0.00000	2.59959
968	0.00000	2.68636
969	0.00000	2.77314
970	0.00000	2.85991
971	0.00000	2.94669
972	0.00000	3.03346
973	0.00000	3.12024
974	0.00000	3.20702
975	0.00000	3.29379
976	0.00000	3.38057
977	0.00000	3.55000
979	0.00000	3.64089
980	0.00000	3.72767
981	0.00000	3.81444
982	0.00000	0.14996
983	0.00000	0.29996
984	0.00000	0.44996
985	0.00000	0.59996
986	0.00000	0.74996
987	0.00000	0.89996
988	0.00000	1.04996
989	0.00000	1.19996
990	0.00000	1.34996
991	0.00000	1.42452
992	0.00000	1.59807
993	0.00000	1.68484
994	0.00000	1.77162
995	0.00000	1.85839
996	0.00000	1.94517
997	0.00000	2.03195
998	0.00000	2.11872
999	0.00000	2.20550
1000	0.00000	2.29227
1001	0.00000	2.42603
1002	0.00000	2.51281
1003	0.00000	2.59959
1004	0.00000	2.68636
1005	0.00000	2.77314
1006	0.00000	2.85991
1007	0.00000	2.94669
1008	0.00000	3.03346
1009	0.00000	3.12024
1010	0.00000	3.20702
1011	0.00000	3.29379
1012	0.00000	3.38057
1013	0.00000	3.55000
1015	0.00000	3.64089
1016	0.00000	3.72767
1017	0.00000	0.14996
1018	0.00000	0.29996
1019	0.00000	0.44996
1020	0.00000	0.59996
1021	0.00000	0.74996
1022	0.00000	0.89996
1023	0.00000	1.04996
1024	0.00000	1.19996
1025	0.00000	1.34996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1026	0.00000	1.42452
1027	0.00000	1.51129
1028	0.00000	1.59807
1029	0.00000	1.68484
1030	0.00000	1.77162
1031	0.00000	1.85839
1032	0.00000	1.94517
1033	0.00000	2.03195
1034	0.00000	2.11872
1035	0.00000	2.20550
1036	0.00000	2.29227
1037	0.00000	2.42603
1038	0.00000	2.51281
1039	0.00000	2.59959
1040	0.00000	2.68636
1041	0.00000	2.77314
1042	0.00000	2.85991
1043	0.00000	2.94669
1044	0.00000	3.03346
1045	0.00000	3.12024
1046	0.00000	3.20702
1047	0.00000	3.29379
1048	0.00000	3.38057
1049	0.00000	3.55000
1051	0.00000	3.64089
1052	0.00000	0.14996
1053	0.00000	0.29996
1054	0.00000	0.44996
1055	0.00000	0.59996
1056	0.00000	0.74996
1057	0.00000	0.89996
1058	0.00000	1.04996
1059	0.00000	1.19996
1060	0.00000	1.34996
1061	0.00000	1.42452
1062	0.00000	1.51129
1063	0.00000	1.59807
1064	0.00000	1.68484
1065	0.00000	1.77162
1066	0.00000	1.85839
1067	0.00000	1.94517
1068	0.00000	2.03195
1069	0.00000	2.11872
1070	0.00000	2.20550
1071	0.00000	2.29227
1072	0.00000	2.42603
1073	0.00000	2.51281
1074	0.00000	2.59959
1075	0.00000	2.68636
1076	0.00000	2.77314
1077	0.00000	2.85991
1078	0.00000	2.94669
1079	0.00000	3.03346
1080	0.00000	3.12024
1081	0.00000	3.20702
1082	0.00000	3.29379
1083	0.00000	3.38057
1084	0.00000	3.55000
1086	0.00000	0.14996
1087	0.00000	0.29996
1088	0.00000	0.44996
1089	0.00000	0.59996
1090	0.00000	0.74996
1091	0.00000	0.89996
1092	0.00000	1.04996
1093	0.00000	1.19996
1094	0.00000	1.34996
1095	0.00000	1.42452
1096	0.00000	1.51129

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1097	0.00000	1.59807
1098	0.00000	1.68484
1099	0.00000	1.77162
1100	0.00000	1.85839
1101	0.00000	1.94517
1102	0.00000	2.03195
1103	0.00000	2.11872
1104	0.00000	2.20550
1105	0.00000	2.29227
1106	0.00000	2.42603
1107	0.00000	2.51281
1108	0.00000	2.59959
1109	0.00000	2.68636
1110	0.00000	2.77314
1111	0.00000	2.85991
1112	0.00000	2.94669
1113	0.00000	3.03346
1114	0.00000	3.12024
1115	0.00000	3.20702
1116	0.00000	3.29379
1117	0.00000	3.38057
1119	0.00000	0.14996
1120	0.00000	0.29996
1121	0.00000	0.44996
1122	0.00000	0.59996
1123	0.00000	0.74996
1124	0.00000	0.89996
1125	0.00000	1.04996
1126	0.00000	1.19996
1127	0.00000	1.34996
1128	0.00000	1.42452
1129	0.00000	1.51129
1130	0.00000	1.59807
1131	0.00000	1.68484
1132	0.00000	1.77162
1133	0.00000	1.85839
1134	0.00000	1.94517
1135	0.00000	2.03195
1136	0.00000	2.11872
1137	0.00000	2.20550
1138	0.00000	2.29227
1139	0.00000	2.42603
1140	0.00000	2.51281
1141	0.00000	2.59959
1142	0.00000	2.68636
1143	0.00000	2.77314
1144	0.00000	2.85991
1145	0.00000	2.94669
1146	0.00000	3.03346
1147	0.00000	3.12024
1148	0.00000	3.20702
1149	0.00000	3.29379
1150	0.00000	3.38057
1151	0.00000	0.14996
1152	0.00000	0.29996
1153	0.00000	0.44996
1154	0.00000	0.59996
1155	0.00000	0.74996
1156	0.00000	0.89996
1157	0.00000	1.04996
1158	0.00000	1.19996
1159	0.00000	1.34996
1160	0.00000	1.42452
1161	0.00000	1.51129
1162	0.00000	1.59807
1163	0.00000	1.68484
1164	0.00000	1.77162
1165	0.00000	1.85839
1166	0.00000	1.94517

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1167	0.00000	2.03195
1168	0.00000	2.11872
1169	0.00000	2.20550
1170	0.00000	2.29227
1171	0.00000	2.42603
1172	0.00000	2.51281
1173	0.00000	2.59959
1174	0.00000	2.68636
1175	0.00000	2.77314
1176	0.00000	2.85991
1177	0.00000	2.94669
1178	0.00000	3.03346
1179	0.00000	3.12024
1180	0.00000	3.20702
1181	0.00000	3.29379
1182	0.00000	0.14996
1183	0.00000	0.29996
1184	0.00000	0.44996
1185	0.00000	0.59996
1186	0.00000	0.74996
1187	0.00000	0.89996
1188	0.00000	1.04996
1189	0.00000	1.19996
1190	0.00000	1.34996
1191	0.00000	1.42452
1192	0.00000	1.51129
1193	0.00000	1.59807
1194	0.00000	1.68484
1195	0.00000	1.77162
1196	0.00000	1.85839
1197	0.00000	1.94517
1198	0.00000	2.03195
1199	0.00000	2.11872
1200	0.00000	2.20550
1201	0.00000	2.29227
1202	0.00000	2.42603
1203	0.00000	2.51281
1204	0.00000	2.59959
1205	0.00000	2.68636
1206	0.00000	2.77314
1207	0.00000	2.85991
1208	0.00000	2.94669
1209	0.00000	3.03346
1210	0.00000	3.12024
1211	0.00000	3.20702
1212	0.00000	0.14996
1213	0.00000	0.29996
1214	0.00000	0.44996
1215	0.00000	0.59996
1216	0.00000	0.74996
1217	0.00000	0.89996
1218	0.00000	1.04996
1219	0.00000	1.19996
1220	0.00000	1.34996
1221	0.00000	1.42452
1222	0.00000	1.51129
1223	0.00000	1.59807
1224	0.00000	1.68484
1225	0.00000	1.77162
1226	0.00000	1.85839
1227	0.00000	1.94517
1228	0.00000	2.03195
1229	0.00000	2.11872
1230	0.00000	2.20550
1231	0.00000	2.29227
1232	0.00000	2.42603
1233	0.00000	2.51281
1234	0.00000	2.59959
1235	0.00000	2.68636

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1236	0.00000	2.77314
1237	0.00000	2.85991
1238	0.00000	2.94669
1239	0.00000	3.03346
1240	0.00000	3.12024
1241	0.00000	0.14996
1242	0.00000	0.29996
1243	0.00000	0.44996
1244	0.00000	0.59996
1245	0.00000	0.74996
1246	0.00000	0.89996
1247	0.00000	1.04996
1248	0.00000	1.19996
1249	0.00000	1.34996
1250	0.00000	1.42452
1251	0.00000	1.51129
1252	0.00000	1.59807
1253	0.00000	1.68484
1254	0.00000	1.77162
1255	0.00000	1.85839
1256	0.00000	1.94517
1257	0.00000	2.03195
1258	0.00000	2.11872
1259	0.00000	2.20550
1260	0.00000	2.29227
1261	0.00000	2.42603
1262	0.00000	2.51281
1263	0.00000	2.59959
1264	0.00000	2.68636
1265	0.00000	2.77314
1266	0.00000	2.85991
1267	0.00000	2.94669
1268	0.00000	3.03346
1269	0.00000	0.14996
1270	0.00000	0.29996
1271	0.00000	0.44996
1272	0.00000	0.59996
1273	0.00000	0.74996
1274	0.00000	0.89996
1275	0.00000	1.04996
1276	0.00000	1.19996
1277	0.00000	1.34996
1278	0.00000	1.42452
1279	0.00000	1.51129
1280	0.00000	1.59807
1281	0.00000	1.68484
1282	0.00000	1.77162
1283	0.00000	1.85839
1284	0.00000	1.94517
1285	0.00000	2.03195
1286	0.00000	2.11872
1287	0.00000	2.20550
1288	0.00000	2.29227
1289	0.00000	2.42603
1290	0.00000	2.51281
1291	0.00000	2.59959
1292	0.00000	2.68636
1293	0.00000	2.77314
1294	0.00000	2.85991
1295	0.00000	2.94669
1296	0.00000	0.14996
1297	0.00000	0.29996
1298	0.00000	0.44996
1299	0.00000	0.59996
1300	0.00000	0.74996
1301	0.00000	0.89996
1302	0.00000	1.04996
1303	0.00000	1.19996
1304	0.00000	1.34996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1305	0.00000	1.42452
1306	0.00000	1.51129
1307	0.00000	1.59807
1308	0.00000	1.68484
1309	0.00000	1.77162
1310	0.00000	1.85839
1311	0.00000	1.94517
1312	0.00000	2.03195
1313	0.00000	2.11872
1314	0.00000	2.20550
1315	0.00000	2.29227
1316	0.00000	2.42603
1317	0.00000	2.51281
1318	0.00000	2.59959
1319	0.00000	2.68636
1320	0.00000	2.77314
1321	0.00000	2.85991
1322	0.00000	0.14996
1323	0.00000	0.29996
1324	0.00000	0.44996
1325	0.00000	0.59996
1326	0.00000	0.74996
1327	0.00000	0.89996
1328	0.00000	1.04996
1329	0.00000	1.19996
1330	0.00000	1.34996
1331	0.00000	1.42452
1332	0.00000	1.51129
1333	0.00000	1.59807
1334	0.00000	1.68484
1335	0.00000	1.77162
1336	0.00000	1.85839
1337	0.00000	1.94517
1338	0.00000	2.03195
1339	0.00000	2.11872
1340	0.00000	2.20550
1341	0.00000	2.29227
1342	0.00000	2.42603
1343	0.00000	2.51281
1344	0.00000	2.59959
1345	0.00000	2.68636
1346	0.00000	2.77314
1347	0.00000	0.14996
1348	0.00000	0.29996
1349	0.00000	0.44996
1350	0.00000	0.59996
1351	0.00000	0.74996
1352	0.00000	0.89996
1353	0.00000	1.04996
1354	0.00000	1.19996
1355	0.00000	1.34996
1356	0.00000	1.42452
1357	0.00000	1.51129
1358	0.00000	1.59807
1359	0.00000	1.68484
1360	0.00000	1.77162
1361	0.00000	1.85839
1362	0.00000	1.94517
1363	0.00000	2.03195
1364	0.00000	2.11872
1365	0.00000	2.20550
1366	0.00000	2.29227
1367	0.00000	2.42603
1368	0.00000	2.51281
1369	0.00000	2.59959
1370	0.00000	2.68636
1371	0.00000	0.14996
1372	0.00000	0.29996
1373	0.00000	0.44996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1374	0.00000	0.59996
1375	0.00000	0.74996
1376	0.00000	0.89996
1377	0.00000	1.04996
1378	0.00000	1.19996
1379	0.00000	1.34996
1380	0.00000	1.42452
1381	0.00000	1.51129
1382	0.00000	1.59807
1383	0.00000	1.68484
1384	0.00000	1.77162
1385	0.00000	1.85839
1386	0.00000	1.94517
1387	0.00000	2.03195
1388	0.00000	2.11872
1389	0.00000	2.20550
1390	0.00000	2.29227
1391	0.00000	2.42603
1392	0.00000	2.51281
1393	0.00000	2.59959
1394	0.00000	0.14996
1395	0.00000	0.29996
1396	0.00000	0.44996
1397	0.00000	0.59996
1398	0.00000	0.74996
1399	0.00000	0.89996
1400	0.00000	1.04996
1401	0.00000	1.19996
1402	0.00000	1.34996
1403	0.00000	1.42452
1404	0.00000	1.51129
1405	0.00000	1.59807
1406	0.00000	1.68484
1407	0.00000	1.77162
1408	0.00000	1.85839
1409	0.00000	1.94517
1410	0.00000	2.03195
1411	0.00000	2.11872
1412	0.00000	2.20550
1413	0.00000	2.29227
1414	0.00000	2.42603
1415	0.00000	2.51281
1416	0.00000	0.14996
1417	0.00000	0.29996
1418	0.00000	0.44996
1419	0.00000	0.59996
1420	0.00000	0.74996
1421	0.00000	0.89996
1422	0.00000	1.04996
1423	0.00000	1.19996
1424	0.00000	1.34996
1425	0.00000	1.42452
1426	0.00000	1.51129
1427	0.00000	1.59807
1428	0.00000	1.68484
1429	0.00000	1.77162
1430	0.00000	1.85839
1431	0.00000	1.94517
1432	0.00000	2.03195
1433	0.00000	2.11872
1434	0.00000	2.20550
1435	0.00000	2.29227
1436	0.00000	2.42603
1437	0.00000	0.14996
1438	0.00000	0.29996
1439	0.00000	0.44996
1440	0.00000	0.59996
1441	0.00000	0.74996
1442	0.00000	0.89996



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1443	0.00000	1.04996
1444	0.00000	1.19996
1445	0.00000	1.34996
1446	0.00000	1.42452
1447	0.00000	1.51129
1448	0.00000	1.59807
1449	0.00000	1.68484
1450	0.00000	1.77162
1451	0.00000	1.85839
1452	0.00000	1.94517
1453	0.00000	2.03195
1454	0.00000	2.11872
1455	0.00000	2.20550
1456	0.00000	2.29227
1457	0.00000	0.14996
1458	0.00000	0.29996
1459	0.00000	0.44996
1460	0.00000	0.59996
1461	0.00000	0.74996
1462	0.00000	0.89996
1463	0.00000	1.04996
1464	0.00000	1.19996
1465	0.00000	1.34996
1466	0.00000	1.42452
1467	0.00000	1.51129
1468	0.00000	1.59807
1469	0.00000	1.68484
1470	0.00000	1.77162
1471	0.00000	1.85839
1472	0.00000	1.94517
1473	0.00000	2.03195
1474	0.00000	2.11872
1475	0.00000	2.20550
1476	0.00000	2.29227
1477	0.00000	0.14996
1478	0.00000	0.29996
1479	0.00000	0.44996
1480	0.00000	0.59996
1481	0.00000	0.74996
1482	0.00000	0.89996
1483	0.00000	1.04996
1484	0.00000	1.19996
1485	0.00000	1.34996
1486	0.00000	1.42452
1487	0.00000	1.51129
1488	0.00000	1.59807
1489	0.00000	1.68484
1490	0.00000	1.77162
1491	0.00000	1.85839
1492	0.00000	1.94517
1493	0.00000	2.03195
1494	0.00000	2.11872
1495	0.00000	2.20550
1496	0.00000	2.29227
1497	0.00000	0.14996
1498	0.00000	0.29996
1499	0.00000	0.44996
1500	0.00000	0.59996
1501	0.00000	0.74996
1502	0.00000	0.89996
1503	0.00000	1.04996
1504	0.00000	1.19996
1505	0.00000	1.34996
1506	0.00000	1.42452
1507	0.00000	1.51129
1508	0.00000	1.59807
1509	0.00000	1.68484
1510	0.00000	1.77162
1511	0.00000	1.85839

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1512	0.00000	1.94517
1513	0.00000	2.03195
1514	0.00000	2.11872
1515	0.00000	2.20550
1516	0.00000	2.29227
1517	0.00000	0.14996
1518	0.00000	0.29996
1519	0.00000	0.44996
1520	0.00000	0.59996
1521	0.00000	0.74996
1522	0.00000	0.89996
1523	0.00000	1.04996
1524	0.00000	1.19996
1525	0.00000	1.34996
1526	0.00000	1.42452
1527	0.00000	1.51129
1528	0.00000	1.59807
1529	0.00000	1.68484
1530	0.00000	1.77162
1531	0.00000	1.85839
1532	0.00000	1.94517
1533	0.00000	2.03195
1534	0.00000	2.11872
1535	0.00000	2.20550
1536	0.00000	2.29227
1537	0.00000	0.14996
1538	0.00000	0.29996
1539	0.00000	0.44996
1540	0.00000	0.59996
1541	0.00000	0.74996
1542	0.00000	0.89996
1543	0.00000	1.04996
1544	0.00000	1.19996
1545	0.00000	1.34996
1546	0.00000	1.42452
1547	0.00000	1.51129
1548	0.00000	1.59807
1549	0.00000	1.68484
1550	0.00000	1.77162
1551	0.00000	1.85839
1552	0.00000	1.94517
1553	0.00000	2.03195
1554	0.00000	2.11872
1555	0.00000	2.20550
1556	0.00000	2.29227
1557	0.00000	0.14996
1558	0.00000	0.29996
1559	0.00000	0.44996
1560	0.00000	0.59996
1561	0.00000	0.74996
1562	0.00000	0.89996
1563	0.00000	1.04996
1564	0.00000	1.19996
1565	0.00000	1.34996
1566	0.00000	1.42452
1567	0.00000	1.51129
1568	0.00000	1.59807
1569	0.00000	1.68484
1570	0.00000	1.77162
1571	0.00000	1.85839
1572	0.00000	1.94517
1573	0.00000	2.03195
1574	0.00000	2.11872
1575	0.00000	2.20550
1576	0.00000	2.29227
1577	0.00000	0.14996
1578	0.00000	0.29996
1579	0.00000	0.44996
1580	0.00000	0.59996

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1581	0.00000	0.74996
1582	0.00000	0.89996
1583	0.00000	1.04996
1584	0.00000	1.19996
1585	0.00000	1.34996
1586	0.00000	1.42452
1587	0.00000	1.51129
1588	0.00000	1.59807
1589	0.00000	1.68484
1590	0.00000	1.77162
1591	0.00000	1.85839
1592	0.00000	1.94517
1593	0.00000	2.03195
1594	0.00000	2.11872
1595	0.00000	2.20550
1596	0.00000	2.29227
1597	0.00000	0.14996
1598	0.00000	0.29996
1599	0.00000	0.44996
1600	0.00000	0.59996
1601	0.00000	0.74996
1602	0.00000	0.89996
1603	0.00000	1.04996
1604	0.00000	1.19996
1605	0.00000	1.34996
1606	0.00000	1.42452
1607	0.00000	1.51129
1608	0.00000	1.59807
1609	0.00000	1.68484
1610	0.00000	1.77162
1611	0.00000	1.85839
1612	0.00000	1.94517
1613	0.00000	2.03195
1614	0.00000	2.11872
1615	0.00000	2.20550
1616	0.00000	2.29227
1617	0.00000	0.14996
1618	0.00000	0.29996
1619	0.00000	0.44996
1620	0.00000	0.59996
1621	0.00000	0.74996
1622	0.00000	0.89996
1623	0.00000	1.04996
1624	0.00000	1.19996
1625	0.00000	1.34996
1626	0.00000	1.42452
1627	0.00000	1.51129
1628	0.00000	1.59807
1629	0.00000	1.68484
1630	0.00000	1.77162
1631	0.00000	1.85839
1632	0.00000	1.94517
1633	0.00000	2.03195
1634	0.00000	2.11872
1635	0.00000	2.20550
1636	0.00000	2.29227
1637	0.00000	0.14996
1638	0.00000	0.29996
1639	0.00000	0.44996
1640	0.00000	0.59996
1641	0.00000	0.74996
1642	0.00000	0.89996
1643	0.00000	1.04996
1644	0.00000	1.19996
1645	0.00000	1.34996
1646	0.00000	1.42452
1647	0.00000	1.51129
1648	0.00000	1.59807
1649	0.00000	1.68484

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1650	0.00000	1.77162
1651	0.00000	1.85839
1652	0.00000	1.94517
1653	0.00000	2.03195
1654	0.00000	2.11872
1655	0.00000	2.20550
1656	0.00000	2.29227
1657	0.00000	0.14996
1658	0.00000	0.29996
1659	0.00000	0.44996
1660	0.00000	0.59996
1661	0.00000	0.74996
1662	0.00000	0.89996
1663	0.00000	1.04996
1664	0.00000	1.19996
1665	0.00000	1.34996
1666	0.00000	1.42452
1667	0.00000	1.51129
1668	0.00000	1.59807
1669	0.00000	1.68484
1670	0.00000	1.77162
1671	0.00000	1.85839
1672	0.00000	1.94517
1673	0.00000	2.03195
1674	0.00000	2.11872
1675	0.00000	2.20550
1676	0.00000	2.29227
1677	0.00000	0.14996
1678	0.00000	0.29996
1679	0.00000	0.44996
1680	0.00000	0.59996
1681	0.00000	0.74996
1682	0.00000	0.89996
1683	0.00000	1.04996
1684	0.00000	1.19996
1685	0.00000	1.34996
1686	0.00000	1.42452
1687	0.00000	1.51129
1688	0.00000	1.59807
1689	0.00000	1.68484
1690	0.00000	1.77162
1691	0.00000	1.85839
1692	0.00000	1.94517
1693	0.00000	2.03195
1694	0.00000	2.11872
1695	0.00000	2.20550
1696	0.00000	2.29227
1697	0.00000	0.14996
1698	0.00000	0.29996
1699	0.00000	0.44996
1700	0.00000	0.59996
1701	0.00000	0.74996
1702	0.00000	0.89996
1703	0.00000	1.04996
1704	0.00000	1.19996
1705	0.00000	1.34996
1706	0.00000	1.42452
1707	0.00000	1.51129
1708	0.00000	1.59807
1709	0.00000	1.68484
1710	0.00000	1.77162
1711	0.00000	1.85839
1712	0.00000	1.94517
1713	0.00000	2.03195
1714	0.00000	2.11872
1715	0.00000	2.20550
1716	0.00000	2.29227
1717	0.00000	0.14996
1718	0.00000	0.29996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1719	0.00000	0.44996
1720	0.00000	0.59996
1721	0.00000	0.74996
1722	0.00000	0.89996
1723	0.00000	1.04996
1724	0.00000	1.19996
1725	0.00000	1.34996
1726	0.00000	1.42452
1727	0.00000	1.51129
1728	0.00000	1.59807
1729	0.00000	1.68484
1730	0.00000	1.77162
1731	0.00000	1.85839
1732	0.00000	1.94517
1733	0.00000	2.03195
1734	0.00000	2.11872
1735	0.00000	2.20550
1736	0.00000	2.29227
1737	0.00000	0.14996
1738	0.00000	0.29996
1739	0.00000	0.44996
1740	0.00000	0.59996
1741	0.00000	0.74996
1742	0.00000	0.89996
1743	0.00000	1.04996
1744	0.00000	1.19996
1745	0.00000	1.34996
1746	0.00000	1.42452
1747	0.00000	1.51129
1748	0.00000	1.59807
1749	0.00000	1.68484
1750	0.00000	1.77162
1751	0.00000	1.85839
1752	0.00000	1.94517
1753	0.00000	2.03195
1754	0.00000	2.11872
1755	0.00000	2.20550
1756	0.00000	0.14996
1757	0.00000	0.29996
1758	0.00000	0.44996
1759	0.00000	0.59996
1760	0.00000	0.74996
1761	0.00000	0.89996
1762	0.00000	1.04996
1763	0.00000	1.19996
1764	0.00000	1.34996
1765	0.00000	1.42452
1766	0.00000	1.51129
1767	0.00000	1.59807
1768	0.00000	1.68484
1769	0.00000	1.77162
1770	0.00000	1.85839
1771	0.00000	1.94517
1772	0.00000	2.03195
1773	0.00000	2.11872
1774	0.00000	0.14996
1775	0.00000	0.29996
1776	0.00000	0.44996
1777	0.00000	0.59996
1778	0.00000	0.74996
1779	0.00000	0.89996
1780	0.00000	1.04996
1781	0.00000	1.19996
1782	0.00000	1.34996
1783	0.00000	1.42452
1784	0.00000	1.51129
1785	0.00000	1.59807
1786	0.00000	1.68484
1787	0.00000	1.77162

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1788	0.00000	1.85839
1789	0.00000	1.94517
1790	0.00000	2.03195
1791	0.00000	0.14996
1792	0.00000	0.29996
1793	0.00000	0.44996
1794	0.00000	0.59996
1795	0.00000	0.74996
1796	0.00000	0.89996
1797	0.00000	1.04996
1798	0.00000	1.19996
1799	0.00000	1.34996
1800	0.00000	1.42452
1801	0.00000	1.51129
1802	0.00000	1.59807
1803	0.00000	1.68484
1804	0.00000	1.77162
1805	0.00000	1.85839
1806	0.00000	1.94517
1807	0.00000	0.14996
1808	0.00000	0.29996
1809	0.00000	0.44996
1810	0.00000	0.59996
1811	0.00000	0.74996
1812	0.00000	0.89996
1813	0.00000	1.04996
1814	0.00000	1.19996
1815	0.00000	1.34996
1816	0.00000	1.42452
1817	0.00000	1.51129
1818	0.00000	1.59807
1819	0.00000	1.68484
1820	0.00000	1.77162
1821	0.00000	1.85839
1822	0.00000	0.14996
1823	0.00000	0.29996
1824	0.00000	0.44996
1825	0.00000	0.59996
1826	0.00000	0.74996
1827	0.00000	0.89996
1828	0.00000	1.04996
1829	0.00000	1.19996
1830	0.00000	1.34996
1831	0.00000	1.42452
1832	0.00000	1.51129
1833	0.00000	1.59807
1834	0.00000	1.68484
1835	0.00000	1.77162
1836	0.00000	0.14996
1837	0.00000	0.29996
1838	0.00000	0.44996
1839	0.00000	0.59996
1840	0.00000	0.74996
1841	0.00000	0.89996
1842	0.00000	1.04996
1843	0.00000	1.19996
1844	0.00000	1.34996
1845	0.00000	1.42452
1846	0.00000	1.51129
1847	0.00000	1.59807
1848	0.00000	1.68484
1849	0.00000	0.14996
1850	0.00000	0.29996
1851	0.00000	0.44996
1852	0.00000	0.59996
1853	0.00000	0.74996
1854	0.00000	0.89996
1855	0.00000	1.04996
1856	0.00000	1.19996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1857	0.00000	1.34996
1858	0.00000	1.42452
1859	0.00000	1.51129
1860	0.00000	1.59807
1861	0.00000	0.14996
1862	0.00000	0.29996
1863	0.00000	0.44996
1864	0.00000	0.59996
1865	0.00000	0.74996
1866	0.00000	0.89996
1867	0.00000	1.04996
1868	0.00000	1.19996
1869	0.00000	1.34996
1870	0.00000	1.42452
1871	0.00000	1.51129
1872	0.00000	0.14996
1873	0.00000	0.29996
1874	0.00000	0.44996
1875	0.00000	0.59996
1876	0.00000	0.74996
1877	0.00000	0.89996
1878	0.00000	1.04996
1879	0.00000	1.19996
1880	0.00000	1.34996
1881	0.00000	1.42452
1882	0.00000	0.14996
1883	0.00000	0.29996
1884	0.00000	0.44996
1885	0.00000	0.59996
1886	0.00000	0.74996
1887	0.00000	0.89996
1888	0.00000	1.04996
1889	0.00000	1.19996
1890	0.00000	1.34996
1891	0.00000	0.14996
1892	0.00000	0.29996
1893	0.00000	0.44996
1894	0.00000	0.59996
1895	0.00000	0.74996
1896	0.00000	0.89996
1897	0.00000	1.04996
1898	0.00000	1.19996
1899	0.00000	0.14996
1900	0.00000	0.29996
1901	0.00000	0.44996
1902	0.00000	0.59996
1903	0.00000	0.74996
1904	0.00000	0.89996
1905	0.00000	1.04996
1906	0.00000	1.19996
1907	0.00000	0.14996
1908	0.00000	0.29996
1909	0.00000	0.44996
1910	0.00000	0.59996
1911	0.00000	0.74996
1912	0.00000	0.89996
1913	0.00000	1.04996
1914	0.00000	1.19996
1915	0.00000	0.14996
1916	0.00000	0.29996
1917	0.00000	0.44996
1918	0.00000	0.59996
1919	0.00000	0.74996
1920	0.00000	0.89996
1921	0.00000	1.04996
1922	0.00000	1.19996
1923	0.00000	0.14996
1924	0.00000	0.29996
1925	0.00000	0.44996



**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1926	0.00000	0.59996
1927	0.00000	0.74996
1928	0.00000	0.89996
1929	0.00000	1.04996
1930	0.00000	1.19996
1931	0.00000	0.14996
1932	0.00000	0.29996
1933	0.00000	0.44996
1934	0.00000	0.59996
1935	0.00000	0.74996
1936	0.00000	0.89996
1937	0.00000	1.04996
1938	0.00000	1.19996
1939	0.00000	0.14996
1940	0.00000	0.29996
1941	0.00000	0.44996
1942	0.00000	0.59996
1943	0.00000	0.74996
1944	0.00000	0.89996
1945	0.00000	1.04996
1946	0.00000	1.19996
1947	0.00000	0.14996
1948	0.00000	0.29996
1949	0.00000	0.44996
1950	0.00000	0.59996
1951	0.00000	0.74996
1952	0.00000	0.89996
1953	0.00000	1.04996
1954	0.00000	1.19996
1955	0.00000	0.14996
1956	0.00000	0.29996
1957	0.00000	0.44996
1958	0.00000	0.59996
1959	0.00000	0.74996
1960	0.00000	0.89996
1961	0.00000	1.04996
1962	0.00000	1.19996
1963	0.00000	0.14996
1964	0.00000	0.29996
1965	0.00000	0.44996
1966	0.00000	0.59996
1967	0.00000	0.74996
1968	0.00000	0.89996
1969	0.00000	1.04996
1970	0.00000	1.19996
1971	0.00000	0.14996
1972	0.00000	0.29996
1973	0.00000	0.44996
1974	0.00000	0.59996
1975	0.00000	0.74996
1976	0.00000	0.89996
1977	0.00000	1.04996
1978	0.00000	1.19996
1979	0.00000	0.14996
1980	0.00000	0.29996
1981	0.00000	0.44996
1982	0.00000	0.59996
1983	0.00000	0.74996
1984	0.00000	0.89996
1985	0.00000	1.04996
1986	0.00000	1.19996
1987	0.00000	0.14996
1988	0.00000	0.29996
1989	0.00000	0.44996
1990	0.00000	0.59996
1991	0.00000	0.74996
1992	0.00000	0.89996
1993	0.00000	1.04996
1994	0.00000	1.19996

**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1995	0.00000	0.14996
1996	0.00000	0.29996
1997	0.00000	0.44996
1998	0.00000	0.59996
1999	0.00000	0.74996
2000	0.00000	0.89996
2001	0.00000	1.04996
2002	0.00000	1.19996
2003	0.00000	0.14996
2004	0.00000	0.29996
2005	0.00000	0.44996
2006	0.00000	0.59996
2007	0.00000	0.74996
2008	0.00000	0.89996
2009	0.00000	1.04996
2010	0.00000	1.19996
2011	0.00000	0.14996
2012	0.00000	0.29996
2013	0.00000	0.44996
2014	0.00000	0.59996
2015	0.00000	0.74996
2016	0.00000	0.89996
2017	0.00000	1.04996
2018	0.00000	1.19996
2019	0.00000	0.14996
2020	0.00000	0.29996
2021	0.00000	0.44996
2022	0.00000	0.59996
2023	0.00000	0.74996
2024	0.00000	0.89996
2025	0.00000	1.04996
2026	0.00000	1.19996
2027	0.00000	0.14996
2028	0.00000	0.29996
2029	0.00000	0.44996
2030	0.00000	0.59996
2031	0.00000	0.74996
2032	0.00000	0.89996
2033	0.00000	1.04996
2034	0.00000	1.19996
2035	0.00000	0.14996
2036	0.00000	0.29996
2037	0.00000	0.44996
2038	0.00000	0.59996
2039	0.00000	0.74996
2040	0.00000	0.89996
2041	0.00000	1.04996
2042	0.00000	1.19996
2043	0.00000	0.14996
2044	0.00000	0.29996
2045	0.00000	0.44996
2046	0.00000	0.59996
2047	0.00000	0.74996
2048	0.00000	0.89996
2049	0.00000	1.04996
2050	0.00000	1.19996
2051	0.00000	1.34996
2052	0.00000	1.42452
2053	0.00000	1.51129
2054	0.00000	1.59807
2055	0.00000	1.68484
2056	0.00000	1.77162
2057	0.00000	1.85839
2058	0.00000	1.94517
2059	0.00000	2.03195
2060	0.00000	2.11872
2061	0.00000	2.20550
2062	0.00000	2.29227

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Table: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	DesTypeOpt	DesignType	AutoType
STATICA	LinStatic	Zero			Prog Det	DEAD	None
SISMICA	LinStatic	Zero			Prog Det	DEAD	None
LOAD	LinStatic	Zero			Prog Det	DEAD	None
SOVRAC	LinStatic	Zero			Prog Det	DEAD	None

Table: Load Case Definitions, Part 2 of 2

Case	RunCase	CaseStatus	GUID	Notes
STATICA	Yes	Finished		
SISMICA	Yes	Finished		
LOAD	Yes	Finished		
SOVRAC	Yes	Finished		

Table: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
STATICA	DEAD	0.000000			
SISMICA	DEAD	0.000000			
LOAD	DEAD	1.000000			
SOVRAC STATICO	DEAD	0.000000			

Table: Material Properties 03b - Concrete Data

Material	Fc KN/m2	LtWtConc	SSCurveOpt	SSHysType	FAngle Degrees	DAngle Degrees
C32/40	27579.00		No User Defined	Kinematic	0.000	0.000

**TABULATI DI INPUT E OUTPUT TOMBINO  $\Phi 1500$  (RICOPR. = 0.60 M)**

**Calcolo del carico sulla calotta**

**Pressione Geostatica**

In questo caso la pressione in calotta viene calcolata come prodotto tra il peso di volume del terreno per l'altezza del ricoprimento (Spessore dello strato di terreno superiore). Quindi la pressione in calotta è fornita dalla seguente relazione:

$$P_v = \gamma H$$

Se sul profilo del piano campagna sono presenti dei sovraccarichi, concentrati e/o distribuiti, la diffusione di questi nel terreno avviene secondo un angolo, rispetto alla verticale, pari a 35.00°.

**Spinta sui piedritti**

**Spinta attiva - Metodo di Coulomb**

La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte della parete che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare Coulomb ammette, al contrario della teoria di Rankine, l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume  $\gamma$ , su una parete di altezza  $H$ , risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente)

$$S = 1/2 \gamma H^2 K_a$$

$K_a$  rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come

$$K_a = \frac{\sin(\alpha + \phi)}{\sin^2 \alpha \sin(\alpha - \delta) \left[ 1 + \frac{\sqrt{[\sin(\phi + \delta) \sin(\phi - \beta)]}}{\sqrt{[\sin(\alpha - \delta) \sin(\alpha + \beta)]}} \right]^2}$$

dove  $\phi$  è l'angolo d'attrito del terreno,  $\alpha$  rappresenta l'angolo che la parete forma con l'orizzontale ( $\alpha = 90^\circ$  per parete verticale),  $\delta$  è l'angolo d'attrito terreno-parete,  $\beta$  è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-parete  $\delta$  rispetto alla normale alla parete.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto. Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ( $1/3 H$  rispetto alla base della parete). L'espressione di  $K_a$  perde di significato per  $\beta > \phi$ . Questo coincide con quanto si intuisce fisicamente: la pendenza del terreno a monte della parete non può superare l'angolo di natural declivio del terreno stesso.

Nel caso di terreno dotato di attrito e coesione  $c$  l'espressione della pressione del terreno ad una generica profondità  $z$  vale

$$\sigma_a = \gamma z K_a - 2 c \sqrt{K_a}$$

**Spinta in presenza di falda**

Nel caso in cui a monte della parete sia presente la falda il diagramma delle pressioni sulla parete risulta modificato a causa della sottospinta che l'acqua esercita sul terreno. Il peso di volume del terreno al di sopra della linea di falda non subisce variazioni. Viceversa al di sotto del livello di falda va considerato il peso di volume di galleggiamento

$$\gamma_a = \gamma_{sat} - \gamma_w$$

dove  $\gamma_{\text{sat}}$  è il peso di volume saturo del terreno (dipendente dall'indice dei pori) e  $\gamma_w$  è il peso di volume dell'acqua. Quindi il diagramma delle pressioni al di sotto della linea di falda ha una pendenza minore. Al diagramma così ottenuto va sommato il diagramma triangolare legato alla pressione idrostatica esercitata dall'acqua.

## Spinta a Riposo

Si assume che sui piedritti agisca la spinta calcolata in condizioni di riposo.  
Il coefficiente di spinta a riposo è espresso dalla relazione

$$K_0 = 1 - \sin\phi$$

dove  $\phi$  rappresenta l'angolo d'attrito interno del terreno di rinfianco.

Quindi la pressione laterale, ad una generica profondità  $z$  e la spinta totale sulla parete di altezza  $H$  valgono

$$\sigma = \gamma z K_0 + p_v K_0$$

$$S = 1/2 \gamma H^2 K_0 + p_v K_0 H$$

dove  $p_v$  è la pressione verticale agente in corrispondenza della calotta.

## Spinta in presenza di sisma - Formula di Wood

Spinta del terreno nel caso di strutture rigide.

Nel caso di strutture rigide completamente vincolate, in modo tale che non può svilupparsi nel terreno uno stato di spinta attiva, nonché nel caso di muri verticali con terrapieno a superficie orizzontale, l'incremento dinamico di spinta del terreno può essere calcolato come:

$$\Delta P_d = \alpha \gamma H^2$$

$$\alpha = a_g / g * S_s * \beta_m * S_t$$

$H$  è l'altezza sulla quale agisce la spinta. Il punto di applicazione va preso a metà altezza.

## Verifica al carico limite

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi dal muro sul terreno di fondazione deve essere superiore a  $\eta_q$ . Cioè, detto  $Q_u$ , il carico limite ed  $R$  la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

Si adotta per il calcolo del carico limite in fondazione il metodo di MEYERHOF.

L'espressione del carico ultimo è data dalla relazione:

$$Q_u = c N_c d_c i_c + q N_q d_q i_q + 0.5 \gamma B N_\gamma d_\gamma i_\gamma$$

In questa espressione

- $c$  coesione del terreno in fondazione;
- $\phi$  angolo di attrito del terreno in fondazione;
- $\gamma$  peso di volume del terreno in fondazione;
- $B$  larghezza della fondazione;
- $D$  profondità del piano di posa;
- $q$  pressione geostatica alla quota del piano di posa.

I vari fattori che compaiono nella formula sono dati da:

$$A = e^{\pi \operatorname{tg} \phi}$$

$$N_q = A \operatorname{tg}^2(45^\circ + \phi/2)$$

$$N_c = (N_q - 1) \operatorname{ctg} \phi$$

$$N_\gamma = (N_q - 1) \operatorname{tg} (1.4\phi)$$

Indichiamo con  $K_p$  il coefficiente di spinta passiva espresso da:

$$K_p = \operatorname{tg}^2(45^\circ + \phi/2)$$

I fattori  $d$  e  $i$  che compaiono nella formula sono rispettivamente i fattori di profondità ed i fattori di inclinazione del carico espressi dalle seguenti relazioni:

Fattori di profondità

$$d_q = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$$

$$d_q = d_\gamma = 1 \quad \text{per } \phi = 0$$

$$d_q = d_\gamma = 1 + 0.1 \frac{D}{B} \sqrt{K_p} \quad \text{per } \phi > 0$$

Fattori di inclinazione

Indicando con  $\theta$  l'angolo che la risultante dei carichi forma con la verticale ( espresso in gradi ) e con  $\phi$  l'angolo d'attrito del terreno di posa abbiamo:

$$i_c = i_q = (1 - \theta^\circ/90)^\circ$$

$$i_\gamma = (1 - \frac{\theta^\circ}{\phi^\circ})^\circ \quad \text{per } \phi > 0$$

$$i_\gamma = 0 \quad \text{per } \phi = 0$$

## Strategia di soluzione

A partire dal tipo di terreno, dalla geometria e dai sovraccarichi agenti il programma è in grado di conoscere tutti i carichi agenti sulla struttura per ogni combinazione di carico.

La struttura scatolare viene schematizzata come un telaio piano e viene risolta mediante il metodo degli elementi finiti (FEM). Più dettagliatamente il telaio viene discretizzato in una serie di elementi connessi fra di loro nei nodi.

Il terreno di rinfianco e di fondazione viene invece schematizzato con una serie di elementi molle non reagenti a trazione (modello di Winkler). L'area della singola molla è direttamente proporzionale alla costante di Winkler del terreno e all'area di influenza della molla stessa.

A partire dalla matrice di rigidezza del singolo elemento,  $K_e$ , si assembla la matrice di rigidezza di tutta la struttura  $K$ . Tutti i carichi agenti sulla struttura vengono trasformati in carichi nodali (reazioni di incastro perfetto) ed inseriti nel vettore dei carichi nodali  $p$ .

Indicando con  $u$  il vettore degli spostamenti nodali (incogniti), la relazione risolutiva può essere scritta nella forma

$$K u = p$$

Da questa equazione matriciale si ricavano gli spostamenti incogniti  $u$

$$u = K^{-1} p$$

Noti gli spostamenti nodali è possibile risalire alle sollecitazioni nei vari elementi.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

La soluzione del sistema viene fatta per ogni combinazione di carico agente sullo scatolare. Il successivo calcolo delle armature nei vari elementi viene condotto tenendo conto delle condizioni più gravose che si possono verificare nelle sezioni fra tutte le combinazioni di carico.

## Geometria scatolare

Descrizione:	Scatolare circolare		
Diametro esterno verticale	1.82	[m]	
Diametro esterno orizzontale	1.82	[m]	
Spessore	0.16	[m]	

## Caratteristiche strati terreno

### Strato di ricoprimento

Descrizione	Terreno di ricoprimento		
Spessore dello strato	0.60	[m]	
Peso di volume	20.0000	[kN/mc]	
Peso di volume saturo	21.0000	[kN/mc]	
Angolo di attrito	35.00	[°]	
Coesione	0.000	[MPa]	

### Strato di rinfiacco

Descrizione	Terreno di rinfiacco		
Peso di volume	19.0000	[kN/mc]	
Peso di volume saturo	20.0000	[kN/mc]	
Angolo di attrito	22.00	[°]	
Angolo di attrito terreno struttura	14.67	[°]	
Coesione	0.004	[MPa]	
Costante di Winkler	0.000	[MPa/cm]	

### Strato di base

Descrizione	Terreno di base		
Peso di volume	19.0000	[kN/mc]	
Peso di volume saturo	20.0000	[kN/mc]	
Angolo di attrito	22.00	[°]	
Angolo di attrito terreno struttura	22.00	[°]	
Coesione	0.004	[MPa]	
Costante di Winkler	0.024	[MPa/cm]	
Tensione limite	6.000	[MPa]	

## Caratteristiche materiali utilizzati

### Materiale calcestruzzo

R <sub>ck</sub> calcestruzzo	40.000	[MPa]
Peso specifico calcestruzzo	25.0000	[kN/mc]
Modulo elastico E	33149.080	[MPa]
Tensione di snervamento acciaio	450.000	[MPa]
Coeff. omogeneizzazione cls tesoro/compresso (n')	0.50	
Coeff. omogeneizzazione acciaio/cls (n)	15.00	
Coefficiente dilatazione termica	0.0000120	

### Materiale calcestruzzo trasverso

R <sub>ck</sub> calcestruzzo	30.000	[MPa]
Peso specifico calcestruzzo	24.5170	[kN/mc]
Modulo elastico E	30976.850	[MPa]
Tensione di snervamento acciaio	450.000	[MPa]
Coeff. omogeneizzazione cls tesoro/compresso (n')	0.50	
Coeff. omogeneizzazione acciaio/cls (n)	15.00	
Coefficiente dilatazione termica	0.0000120	

## Condizioni di carico

*Convenzioni adottate*

Elaborato

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Origine in corrispondenza dello spigolo inferiore sinistro della struttura  
Carichi verticali positivi se diretti verso il basso  
Carichi orizzontali positivi se diretti verso destra  
Coppie concentrate positive se antiorarie  
Ascisse X (espresse in m) positive verso destra  
Ordinate Y (espresse in m) positive verso l'alto  
Carichi concentrati espressi in kN  
Coppie concentrate espressi in kNm  
Carichi distribuiti espressi in kN/m

**Simbologia adottata e unità di misura**

*Forze concentrate*

X ascissa del punto di applicazione dei carichi verticali concentrati  
Y ordinata del punto di applicazione dei carichi orizzontali concentrati  
F<sub>y</sub> componente Y del carico concentrato  
F<sub>x</sub> componente X del carico concentrato  
M momento

*Forze distribuite*

X<sub>i</sub>, X<sub>f</sub> ascisse del punto iniziale e finale per carichi distribuiti verticali  
Y<sub>i</sub>, Y<sub>f</sub> ordinate del punto iniziale e finale per carichi distribuiti orizzontali  
V<sub>ni</sub> componente normale del carico distribuito nel punto iniziale  
V<sub>nf</sub> componente normale del carico distribuito nel punto finale  
V<sub>ti</sub> componente tangenziale del carico distribuito nel punto iniziale  
V<sub>tf</sub> componente tangenziale del carico distribuito nel punto finale  
D<sub>te</sub> variazione termica lembo esterno espressa in gradi centigradi  
D<sub>ti</sub> variazione termica lembo interno espressa in gradi centigradi

Condizione di carico n°1 (Peso Proprio)

Condizione di carico n°2 (Spinta terreno sinistra)

Condizione di carico n°3 (Spinta terreno destra)

Condizione di carico n°4 (Sisma da sinistra)

Condizione di carico n°5 (Sisma da destra)

Condizione di carico n° 7 (S VAR SX)

Distr	Terreno	X <sub>f</sub> = -10.00	X <sub>f</sub> = 0.00	V <sub>ni</sub> = 20.00	V <sub>ni</sub> = 20.00
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Condizione di carico n° 8 (VAR)

Distr	Terreno	X <sub>f</sub> = 0.00	X <sub>f</sub> = 1.82	V <sub>ni</sub> = 76.87	V <sub>ni</sub> = 76.87
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Condizione di carico n° 9 (TERM. (+))

Term	Traverso	D <sub>te</sub> = 15.00	D <sub>ti</sub> = 15.00
Term	Traverso	D <sub>te</sub> = 5.00	D <sub>ti</sub> = -5.00

Condizione di carico n° 10 (TERM(-))

Term	Traverso	D <sub>te</sub> = -15.00	D <sub>ti</sub> = -15.00
Term	Traverso	D <sub>te</sub> = -5.00	D <sub>ti</sub> = 5.00

Condizione di carico n° 11 (FRE)

Distr	Traverso	X <sub>f</sub> = 0.00	X <sub>f</sub> = 1.82	V <sub>ni</sub> = 0.00	V <sub>ni</sub> = 0.00	V <sub>ti</sub> = 14.47	V <sub>ti</sub> = 14.47
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Condizione di carico n° 12 (FRE)

Distr	Traverso	X <sub>f</sub> = 0.00	X <sub>f</sub> = 1.82	V <sub>ni</sub> = 0.00	V <sub>ni</sub> = 0.00	V <sub>ti</sub> = 14.47	V <sub>ti</sub> = 14.47
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Condizione di carico n° 13 (S VAR SX)

Distr	Terreno	X <sub>f</sub> = -10.00	X <sub>f</sub> = 0.00	V <sub>ni</sub> = 20.00	V <sub>ni</sub> = 20.00
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Condizione di carico n° 14 (VAR)

Distr	Terreno	X <sub>f</sub> = 0.00	X <sub>f</sub> = 1.82	V <sub>ni</sub> = 76.87	V <sub>ni</sub> = 76.87
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## Impostazioni di progetto

Verifica materiali:

**Stato Limite Ultimo**

Coefficiente di sicurezza calcestruzzo $\gamma_c$	1.50
Fattore riduzione da resistenza cubica a cilindrica	0.83

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Fattore di riduzione per carichi di lungo periodo	0.85
Coefficiente di sicurezza acciaio	1.15
Coefficiente di sicurezza per la sezione	1.00

Verifica Taglio - Metodo dell'inclinazione variabile del traliccio

$$V_{Rd}=[0.18*k*(100.0*\rho_1*f_{ck})^{1/3}/\gamma_c+0.15*\sigma_{cp}]*b_w*d>(v_{min}+0.15*\sigma_{cp})*b_w*d$$

$$V_{Rsd}=0.9*d*A_{sw}/s*f_{yd}*(ctg\alpha+ctg\theta)*\sin\alpha$$

$$V_{Rcd}=0.9*d*b_w*\alpha_c*f_{cd}*(ctg(\theta)+ctg(\alpha))/(1.0+ctg\theta^2)$$

con:

d	altezza utile sezione [mm]
b <sub>w</sub>	larghezza minima sezione [mm]
σ <sub>cp</sub>	tensione media di compressione [N/mmq]
ρ <sub>1</sub>	rapporto geometrico di armatura
A <sub>sw</sub>	area armatura trasversale [mmq]
s	interasse tra due armature trasversali consecutive [mm]
α <sub>c</sub>	coefficiente maggiorativo, funzione di f <sub>cd</sub> e σ <sub>cp</sub>

$$f_{cd}=0.5*f_{cd}$$

$$k=1+(200/d)^{1/2}$$

$$v_{min}=0.035*k^{3/2}*f_{ck}^{1/2}$$

**Stato Limite di Esercizio**

Criteri di scelta per verifiche tensioni di esercizio:

Ambiente moderatamente aggressivo

Limite tensioni di compressione nel calcestruzzo (comb. rare)

0.60 f<sub>ck</sub>

Limite tensioni di compressione nel calcestruzzo (comb. quasi perm.)

0.45 f<sub>ck</sub>

Limite tensioni di trazione nell'acciaio (comb. rare)

0.80 f<sub>yk</sub>

Criteri verifiche a fessurazione:

Armatura poco sensibile

Apertura limite fessure espresse in [mm]

Apertura limite fessure w<sub>1</sub>=0.20 w<sub>2</sub>=0.30 w<sub>3</sub>=0.40

Verifiche secondo :

Norme Tecniche 2008 - Approccio 1

Copriferro sezioni 3.60 [cm]

## Descrizione combinazioni di carico

### Simbologia adottata

- $\gamma$  Coefficiente di partecipazione della condizione  
 $\Psi$  Coefficiente di combinazione della condizione  
 $C$  Coefficiente totale di partecipazione della condizione

### Norme Tecniche 2008

### Simbologia adottata

- $\gamma_{G1sfav}$  Coefficiente parziale sfavorevole sulle azioni permanenti  
 $\gamma_{G1fav}$  Coefficiente parziale favorevole sulle azioni permanenti  
 $\gamma_{G2sfav}$  Coefficiente parziale sfavorevole sulle azioni permanenti non strutturali  
 $\gamma_{G2fav}$  Coefficiente parziale favorevole sulle azioni permanenti non strutturali  
 $\gamma_Q$  Coefficiente parziale sulle azioni variabili  
 $\gamma_{tan\phi}$  Coefficiente parziale di riduzione dell'angolo di attrito drenato  
 $\gamma_c$  Coefficiente parziale di riduzione della coesione drenata  
 $\gamma_{cu}$  Coefficiente parziale di riduzione della coesione non drenata  
 $\gamma_{qu}$  Coefficiente parziale di riduzione del carico ultimo

### Coefficienti di partecipazione combinazioni statiche

#### Coefficienti parziali per le azioni o per l'effetto delle azioni:

<i>Carichi</i>	<i>Effetto</i>		<i>A1</i>	<i>A2</i>
Permanenti	Favorevole	$\gamma_{G1fav}$	1.00	1.00
Permanenti	Sfavorevole	$\gamma_{G1sfav}$	1.30	1.00
Permanenti non strutturali	Favorevole	$\gamma_{G2fav}$	0.00	0.00
Permanenti non strutturali	Sfavorevole	$\gamma_{G2sfav}$	1.50	1.30
Variabili	Favorevole	$\gamma_{Q1fav}$	0.00	0.00
Variabili	Sfavorevole	$\gamma_{Q1sfav}$	1.50	1.30
Variabili da traffico	Favorevole	$\gamma_{Qfav}$	0.00	0.00
Variabili da traffico	Sfavorevole	$\gamma_{Qsfav}$	1.50	1.30
Termici	Favorevole	$\gamma_{efav}$	0.00	0.00
Termici	Sfavorevole	$\gamma_{esfav}$	1.50	1.50

#### Coefficienti parziali per i parametri geotecnici del terreno:

<i>Parametri</i>			<i>M1</i>	<i>M2</i>
Tangente dell'angolo di attrito		$\gamma_{tan\phi}$	1.00	1.25
Coesione efficace		$\gamma_c$	1.00	1.25
Resistenza non drenata		$\gamma_{cu}$	1.00	1.40
Resistenza a compressione uniassiale		$\gamma_{qu}$	1.00	1.60
Peso dell'unità di volume		$\gamma_\gamma$	1.00	1.00

### Coefficienti di partecipazione combinazioni sismiche

#### Coefficienti parziali per le azioni o per l'effetto delle azioni:

<i>Carichi</i>	<i>Effetto</i>		<i>A1</i>	<i>A2</i>
Permanenti	Favorevole	$\gamma_{G1fav}$	1.00	1.00
Permanenti	Sfavorevole	$\gamma_{G1sfav}$	1.00	1.00
Permanenti	Favorevole	$\gamma_{G2fav}$	0.00	0.00
Permanenti	Sfavorevole	$\gamma_{G2sfav}$	1.00	1.00
Variabili	Favorevole	$\gamma_{Q1fav}$	0.00	0.00
Variabili	Sfavorevole	$\gamma_{Q1sfav}$	1.00	1.00
Variabili da traffico	Favorevole	$\gamma_{Qfav}$	0.00	0.00
Variabili da traffico	Sfavorevole	$\gamma_{Qsfav}$	1.00	1.00
Termici	Favorevole	$\gamma_{efav}$	0.00	0.00
Termici	Sfavorevole	$\gamma_{esfav}$	1.00	1.00

#### Coefficienti parziali per i parametri geotecnici del terreno:

<i>Parametri</i>			<i>M1</i>	<i>M2</i>
Tangente dell'angolo di attrito		$\gamma_{tan\phi}$	1.00	1.25
Coesione efficace		$\gamma_c$	1.00	1.25
Resistenza non drenata		$\gamma_{cu}$	1.00	1.40
Resistenza a compressione uniassiale		$\gamma_{qu}$	1.00	1.60

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Peso dell'unità di volume  $\gamma_r$  1.00 1.00

Combinazione n° 1 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

Combinazione n° 2 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 3 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 4 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 5 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 6 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 7 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

TERM(-)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 8 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 9 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 10 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 11 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 12 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 13 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 14 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Elaborato

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**Direzione Progettazione e  
Realizzazione Lavori**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Sisma da sinistra	Sfavorevole	1.00	1.00	1.00
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Combinazione n° 15 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 16 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 17 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 18 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 19 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 20 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 21 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.50	0.50
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 22 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Elaborato

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**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 23 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 24 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 25 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.50	0.50
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 26 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 27 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Combinazione n° 28 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

## Analisi della spinta e verifiche

### *Simbologia adottata ed unità di misura*

Origine in corrispondenza dello spigolo inferiore sinistro della struttura  
Le forze orizzontali sono considerate positive se agenti verso destra  
Le forze verticali sono considerate positive se agenti verso il basso  
 $X$  ascisse (esprese in m) positive verso destra  
 $Y$  ordinate (esprese in m) positive verso l'alto  
 $M$  momento espresso in kNm  
 $V$  taglio espresso in kN  
 $SN$  sforzo normale espresso in kN  
 $ux$  spostamento direzione  $X$  espresso in cm  
 $uy$  spostamento direzione  $Y$  espresso in cm  
 $\sigma$  pressione sul terreno espressa in MPa

### Tipo di analisi

Pressione in calotta

I carichi applicati sul terreno sono stati diffusi secondo **angolo di attrito**

Metodo di calcolo della portanza

### Spinta sui piedritti

Pressione geostatica

Meyerhof

a Riposo [combinazione 1]  
a Riposo [combinazione 2]  
a Riposo [combinazione 3]  
a Riposo [combinazione 4]  
a Riposo [combinazione 5]  
a Riposo [combinazione 6]  
a Riposo [combinazione 7]  
a Riposo [combinazione 8]  
a Riposo [combinazione 9]  
a Riposo [combinazione 10]  
a Riposo [combinazione 11]  
a Riposo [combinazione 12]  
a Riposo [combinazione 13]  
a Riposo [combinazione 14]  
a Riposo [combinazione 15]  
a Riposo [combinazione 16]  
a Riposo [combinazione 17]  
a Riposo [combinazione 18]  
a Riposo [combinazione 19]  
a Riposo [combinazione 20]  
a Riposo [combinazione 21]  
a Riposo [combinazione 22]  
a Riposo [combinazione 23]  
a Riposo [combinazione 24]  
a Riposo [combinazione 25]  
a Riposo [combinazione 26]  
a Riposo [combinazione 27]  
a Riposo [combinazione 28]

### Sisma

#### **Identificazione del sito**

Latitudine

43.255000

Longitudine

13.011574

Comune

Matelica

Provincia

Macerata

Regione

Marche

Punti di interpolazione del reticolo

22526 - 22527 - 22305 - 22304

#### **Tipo di opera**

Tipo di costruzione

Opera ordinaria

Vita nominale

50 anni

Classe d'uso

III - Affollamenti significativi e industrie non pericolose

Vita di riferimento

75 anni

#### **Combinazioni SLU**

Accelerazione al suolo  $a_g =$

0.28 [m/s<sup>2</sup>]



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Coefficiente di amplificazione per tipo di sottosuolo (S)	1.50
Coefficiente di amplificazione topografica (St)	1.00
Coefficiente riduzione ( $\beta_m$ )	1.00
Rapporto intensità sismica verticale/orizzontale	0.50
Coefficiente di intensità sismica orizzontale (percento)	$k_h=(a_g/g*\beta_m*St*Ss) = 4.33$
Coefficiente di intensità sismica verticale (percento)	$k_v=0.50 * k_h = 2.16$

**Combinazioni SLE**

Accelerazione al suolo $a_g =$	0.00 [m/s <sup>2</sup> ]
Coefficiente di amplificazione per tipo di sottosuolo (S)	1.50
Coefficiente di amplificazione topografica (St)	1.00
Coefficiente riduzione ( $\beta_m$ )	1.00
Rapporto intensità sismica verticale/orizzontale	0.50
Coefficiente di intensità sismica orizzontale (percento)	$k_h=(a_g/g*\beta_m*St*Ss) = 0.00$
Coefficiente di intensità sismica verticale (percento)	$k_v=0.50 * k_h = 0.00$
Forma diagramma incremento sismico	Rettangolare

Spinta sismica Wood

Angolo diffusione sovraccarico 35.00 [°]

Coefficienti di spinta

N°combinazione	Statico	Sismico
1	0.625	0.000
2	0.692	0.000
3	0.625	0.000
4	0.692	0.000
5	0.625	0.000
6	0.692	0.000
7	0.625	0.000
8	0.692	0.000
9	0.625	0.000
10	0.692	0.000
11	0.625	0.542
12	0.625	0.542
13	0.692	0.616
14	0.692	0.616
15	0.625	0.542
16	0.625	0.542
17	0.692	0.616
18	0.692	0.616
19	0.625	0.000
20	0.625	0.000
21	0.625	0.000
22	0.625	0.000
23	0.625	0.000
24	0.625	0.000
25	0.625	0.000
26	0.625	0.000
27	0.625	0.000
28	0.625	0.000

Discretizzazione strutturale

Numero elementi fondazione	64
Numero elementi trasverso	64
Numero molle fondazione	65

### Analisi della combinazione n° 1

Pressione in calotta(solo peso terreno) 0.0156000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0156000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0034296 [MPa] Pressione inf. 0.0315435 [MPa]  
Piedritto destro Pressione sup. 0.0034296 [MPa] Pressione inf. 0.0315435 [MPa]

### Analisi della combinazione n° 2

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]  
Piedritto destro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]

### Analisi della combinazione n° 3

Pressione in calotta(solo peso terreno) 0.0156000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0156000
-10.42	-0.42	0.0432746
-0.42	0.42	0.1221601
0.42	2.24	0.0944855
2.24	12.94	0.0156000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0392483 [MPa] Pressione inf. 0.0673622 [MPa]  
Piedritto destro Pressione sup. 0.0219407 [MPa] Pressione inf. 0.0500547 [MPa]

### Analisi della combinazione n° 4

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0359847
-0.42	0.42	0.1043521

0.42	2.24	0.0803674
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0373548 [MPa] Pressione inf. 0.0612996 [MPa]  
Piedritto destro Pressione sup. 0.0207467 [MPa] Pressione inf. 0.0446915 [MPa]

**Analisi della combinazione n° 5**

Pressione in calotta(solo peso terreno) 0.0156000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0156000
-10.42	-0.42	0.0432746
-0.42	0.42	0.1221601
0.42	2.24	0.0944855
2.24	12.94	0.0156000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0392483 [MPa] Pressione inf. 0.0673622 [MPa]  
Piedritto destro Pressione sup. 0.0219407 [MPa] Pressione inf. 0.0500547 [MPa]

**Analisi della combinazione n° 6**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0359847
-0.42	0.42	0.1043521
0.42	2.24	0.0803674
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0373548 [MPa] Pressione inf. 0.0612996 [MPa]  
Piedritto destro Pressione sup. 0.0207467 [MPa] Pressione inf. 0.0446915 [MPa]

**Analisi della combinazione n° 7**

Pressione in calotta(solo peso terreno) 0.0156000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0156000
-10.42	-0.42	0.0432746
-0.42	0.42	0.1221601
0.42	2.24	0.0944855
2.24	12.94	0.0156000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0392483 [MPa] Pressione inf. 0.0673622 [MPa]  
Piedritto destro Pressione sup. 0.0219407 [MPa] Pressione inf. 0.0500547 [MPa]

**Analisi della combinazione n° 8**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0359847
-0.42	0.42	0.1043521
0.42	2.24	0.0803674
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0373548 [MPa] Pressione inf. 0.0612996 [MPa]  
Piedritto destro Pressione sup. 0.0207467 [MPa] Pressione inf. 0.0446915 [MPa]

**Analisi della combinazione n° 9**

Pressione in calotta(solo peso terreno) 0.0156000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0156000
-10.42	-0.42	0.0432746
-0.42	0.42	0.1221601
0.42	2.24	0.0944855
2.24	12.94	0.0156000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0392483 [MPa] Pressione inf. 0.0673622 [MPa]  
Piedritto destro Pressione sup. 0.0219407 [MPa] Pressione inf. 0.0500547 [MPa]

**Analisi della combinazione n° 10**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0359847
-0.42	0.42	0.1043521
0.42	2.24	0.0803674
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0373548 [MPa] Pressione inf. 0.0612996 [MPa]  
Piedritto destro Pressione sup. 0.0207467 [MPa] Pressione inf. 0.0446915 [MPa]

## Analisi della combinazione n° 11

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0012504 [MPa] Pressione inf. 0.0012504 [MPa]

## Analisi della combinazione n° 12

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0012504 [MPa] Pressione inf. 0.0012504 [MPa]

## Analisi della combinazione n° 13

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]  
Piedritto destro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0015843 [MPa] Pressione inf. 0.0015843 [MPa]

### Analisi della combinazione n° 14

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]  
Piedritto destro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0015843 [MPa] Pressione inf. 0.0015843 [MPa]

### Analisi della combinazione n° 15

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0012504 [MPa] Pressione inf. 0.0012504 [MPa]

### Analisi della combinazione n° 16

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0012504 [MPa] Pressione inf. 0.0012504 [MPa]

### Analisi della combinazione n° 17

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]  
Piedritto destro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]

#### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0015843 [MPa] Pressione inf. 0.0015843 [MPa]

### Analisi della combinazione n° 18

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]  
Piedritto destro Pressione sup. 0.0029837 [MPa] Pressione inf. 0.0269285 [MPa]

#### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0015843 [MPa] Pressione inf. 0.0015843 [MPa]

### Analisi della combinazione n° 19

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

### Analisi della combinazione n° 20

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0258373
-0.42	0.42	0.0652801
0.42	2.24	0.0514428
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0190875 [MPa] Pressione inf. 0.0407136 [MPa]  
Piedritto destro Pressione sup. 0.0104337 [MPa] Pressione inf. 0.0320598 [MPa]

### Analisi della combinazione n° 21

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0258373
-0.42	0.42	0.0652801
0.42	2.24	0.0514428
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0190875 [MPa] Pressione inf. 0.0407136 [MPa]  
Piedritto destro Pressione sup. 0.0104337 [MPa] Pressione inf. 0.0320598 [MPa]

### Analisi della combinazione n° 22

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0304498
-0.42	0.42	0.0830401
0.42	2.24	0.0645903
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0250573 [MPa] Pressione inf. 0.0466834 [MPa]  
Piedritto destro Pressione sup. 0.0135189 [MPa] Pressione inf. 0.0351450 [MPa]

### Analisi della combinazione n° 23



Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0304498
-0.42	0.42	0.0830401
0.42	2.24	0.0645903
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0250573 [MPa] Pressione inf. 0.0466834 [MPa]  
Piedritto destro Pressione sup. 0.0135189 [MPa] Pressione inf. 0.0351450 [MPa]

**Analisi della combinazione n° 24**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]  
Piedritto destro Pressione sup. 0.0011782 [MPa] Pressione inf. 0.0228043 [MPa]

**Analisi della combinazione n° 25**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0258373
-0.42	0.42	0.0652801
0.42	2.24	0.0514428
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0190875 [MPa] Pressione inf. 0.0407136 [MPa]  
Piedritto destro Pressione sup. 0.0104337 [MPa] Pressione inf. 0.0320598 [MPa]

**Analisi della combinazione n° 26**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0258373

-0.42	0.42	0.0652801
0.42	2.24	0.0514428
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0190875 [MPa] Pressione inf. 0.0407136 [MPa]  
Piedritto destro Pressione sup. 0.0104337 [MPa] Pressione inf. 0.0320598 [MPa]

**Analisi della combinazione n° 27**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0304498
-0.42	0.42	0.0830401
0.42	2.24	0.0645903
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0250573 [MPa] Pressione inf. 0.0466834 [MPa]  
Piedritto destro Pressione sup. 0.0135189 [MPa] Pressione inf. 0.0351450 [MPa]

**Analisi della combinazione n° 28**

Pressione in calotta(solo peso terreno) 0.0120000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-20.42	-10.42	0.0120000
-10.42	-0.42	0.0304498
-0.42	0.42	0.0830401
0.42	2.24	0.0645903
2.24	12.94	0.0120000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0250573 [MPa] Pressione inf. 0.0466834 [MPa]  
Piedritto destro Pressione sup. 0.0135189 [MPa] Pressione inf. 0.0351450 [MPa]

## Spostamenti

### Spostamenti fondazione (Combinazione n° 1)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.450
0.48	0.000	1.448
0.91	0.000	1.447
1.34	0.000	1.448
1.74	0.002	1.450

### Spostamenti traverso (Combinazione n° 1)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.450
0.48	0.000	1.452
0.91	0.000	1.453
1.34	0.000	1.452
1.74	0.002	1.450

### Spostamenti fondazione (Combinazione n° 2)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.001	1.115
0.48	0.000	1.114
0.91	0.000	1.113
1.34	0.000	1.114
1.74	0.001	1.115

### Spostamenti traverso (Combinazione n° 2)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.001	1.115
0.48	0.000	1.116
0.91	0.000	1.117
1.34	0.000	1.116
1.74	0.001	1.115

### Spostamenti fondazione (Combinazione n° 3)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.250	4.106
0.48	2.227	4.681
0.91	2.057	5.293
1.34	2.232	5.922
1.74	3.306	6.532

### Spostamenti traverso (Combinazione n° 3)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.250	4.106
0.48	4.315	4.699
0.91	4.497	5.327
1.34	4.335	5.942
1.74	3.306	6.532

### Spostamenti fondazione (Combinazione n° 4)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.173	3.237
0.48	2.129	3.824
0.91	1.956	4.447
1.34	2.132	5.083
1.74	3.215	5.697

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Spostamenti traverso (Combinazione n° 4)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.173	3.237
0.48	4.249	3.839
0.91	4.430	4.475
1.34	4.262	5.100
1.74	3.215	5.697

**Spostamenti fondazione (Combinazione n° 5)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.245	4.108
0.48	2.226	4.681
0.91	2.057	5.293
1.34	2.231	5.922
1.74	3.310	6.534

**Spostamenti traverso (Combinazione n° 5)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.245	4.108
0.48	4.310	4.691
0.91	4.496	5.317
1.34	4.338	5.934
1.74	3.310	6.534

**Spostamenti fondazione (Combinazione n° 6)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.169	3.238
0.48	2.128	3.824
0.91	1.956	4.447
1.34	2.132	5.083
1.74	3.218	5.698

**Spostamenti traverso (Combinazione n° 6)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.169	3.238
0.48	4.245	3.834
0.91	4.430	4.469
1.34	4.265	5.095
1.74	3.218	5.698

**Spostamenti fondazione (Combinazione n° 7)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.270	4.099
0.48	2.229	4.681
0.91	2.059	5.295
1.34	2.233	5.923
1.74	3.290	6.526

**Spostamenti traverso (Combinazione n° 7)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.270	4.099
0.48	4.336	4.730
0.91	4.500	5.363
1.34	4.319	5.973
1.74	3.290	6.526

**Spostamenti fondazione (Combinazione n° 8)**

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.186	3.232
0.48	2.130	3.824
0.91	1.957	4.448
1.34	2.133	5.084
1.74	3.204	5.693

**Spostamenti traverso (Combinazione n° 8)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.186	3.232
0.48	4.263	3.860
0.91	4.432	4.499
1.34	4.252	5.121
1.74	3.204	5.693

**Spostamenti fondazione (Combinazione n° 9)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.265	4.101
0.48	2.228	4.681
0.91	2.059	5.294
1.34	2.233	5.923
1.74	3.294	6.527

**Spostamenti traverso (Combinazione n° 9)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.265	4.101
0.48	4.331	4.722
0.91	4.499	5.354
1.34	4.323	5.965
1.74	3.294	6.527

**Spostamenti fondazione (Combinazione n° 10)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.183	3.233
0.48	2.130	3.824
0.91	1.957	4.448
1.34	2.133	5.084
1.74	3.207	5.694

**Spostamenti traverso (Combinazione n° 10)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	3.183	3.233
0.48	4.259	3.855
0.91	4.431	4.493
1.34	4.254	5.116
1.74	3.207	5.694

**Spostamenti fondazione (Combinazione n° 11)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.389	0.905
0.48	0.219	1.000
0.91	0.191	1.101
1.34	0.219	1.203
1.74	0.392	1.302

**Spostamenti traverso (Combinazione n° 11)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.389	0.905

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0.48	0.561	1.003
0.91	0.590	1.106
1.34	0.562	1.207
1.74	0.392	1.302

**Spostamenti fondazione (Combinazione n° 12)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.388	0.929
0.48	0.219	1.024
0.91	0.191	1.125
1.34	0.219	1.228
1.74	0.393	1.326

**Spostamenti traverso (Combinazione n° 12)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.388	0.929
0.48	0.561	1.028
0.91	0.590	1.130
1.34	0.562	1.231
1.74	0.393	1.326

**Spostamenti fondazione (Combinazione n° 13)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.891
0.48	0.261	1.005
0.91	0.227	1.126
1.34	0.261	1.247
1.74	0.465	1.363

**Spostamenti traverso (Combinazione n° 13)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.891
0.48	0.667	1.007
0.91	0.701	1.129
1.34	0.667	1.249
1.74	0.465	1.363

**Spostamenti fondazione (Combinazione n° 14)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.867
0.48	0.261	0.981
0.91	0.227	1.101
1.34	0.261	1.222
1.74	0.465	1.338

**Spostamenti traverso (Combinazione n° 14)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.867
0.48	0.667	0.982
0.91	0.701	1.104
1.34	0.667	1.224
1.74	0.465	1.338

**Spostamenti fondazione (Combinazione n° 15)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.389	0.905
0.48	0.219	1.000
0.91	0.191	1.101

Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1.34	0.219	1.203
1.74	0.392	1.302

**Spostamenti traverso (Combinazione n° 15)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.389	0.905
0.48	0.561	1.003
0.91	0.590	1.106
1.34	0.562	1.207
1.74	0.392	1.302

**Spostamenti fondazione (Combinazione n° 16)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.388	0.929
0.48	0.219	1.024
0.91	0.191	1.125
1.34	0.219	1.228
1.74	0.393	1.326

**Spostamenti traverso (Combinazione n° 16)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.388	0.929
0.48	0.561	1.028
0.91	0.590	1.130
1.34	0.562	1.231
1.74	0.393	1.326

**Spostamenti fondazione (Combinazione n° 17)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.891
0.48	0.261	1.005
0.91	0.227	1.126
1.34	0.261	1.247
1.74	0.465	1.363

**Spostamenti traverso (Combinazione n° 17)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.891
0.48	0.667	1.007
0.91	0.701	1.129
1.34	0.667	1.249
1.74	0.465	1.363

**Spostamenti fondazione (Combinazione n° 18)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.867
0.48	0.261	0.981
0.91	0.227	1.101
1.34	0.261	1.222
1.74	0.465	1.338

**Spostamenti traverso (Combinazione n° 18)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.463	0.867
0.48	0.667	0.982
0.91	0.701	1.104
1.34	0.667	1.224
1.74	0.465	1.338

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Spostamenti fondazione (Combinazione n° 19)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.116
0.48	0.000	1.114
0.91	0.000	1.113
1.34	0.000	1.114
1.74	0.002	1.116

**Spostamenti traverso (Combinazione n° 19)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.116
0.48	0.000	1.118
0.91	0.000	1.119
1.34	0.000	1.118
1.74	0.002	1.116

**Spostamenti fondazione (Combinazione n° 20)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.627	2.443
0.48	1.113	2.730
0.91	1.029	3.036
1.34	1.116	3.351
1.74	1.651	3.656

**Spostamenti traverso (Combinazione n° 20)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.627	2.443
0.48	2.161	2.747
0.91	2.249	3.062
1.34	2.164	3.368
1.74	1.651	3.656

**Spostamenti fondazione (Combinazione n° 21)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.623	2.444
0.48	1.113	2.730
0.91	1.028	3.036
1.34	1.116	3.351
1.74	1.654	3.657

**Spostamenti traverso (Combinazione n° 21)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.623	2.444
0.48	2.157	2.740
0.91	2.248	3.055
1.34	2.167	3.362
1.74	1.654	3.657

**Spostamenti fondazione (Combinazione n° 22)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.165	2.887
0.48	1.484	3.269
0.91	1.371	3.677
1.34	1.488	4.097
1.74	2.204	4.504

**Spostamenti traverso (Combinazione n° 22)**



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.165	2.887
0.48	2.877	3.282
0.91	2.998	3.701
1.34	2.889	4.111
1.74	2.204	4.504

**Spostamenti fondazione (Combinazione n° 23)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.162	2.888
0.48	1.484	3.269
0.91	1.371	3.677
1.34	1.487	4.097
1.74	2.207	4.505

**Spostamenti traverso (Combinazione n° 23)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.162	2.888
0.48	2.873	3.277
0.91	2.997	3.695
1.34	2.892	4.106
1.74	2.207	4.505

**Spostamenti fondazione (Combinazione n° 24)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.116
0.48	0.000	1.114
0.91	0.000	1.113
1.34	0.000	1.114
1.74	0.002	1.116

**Spostamenti traverso (Combinazione n° 24)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.002	1.116
0.48	0.000	1.118
0.91	0.000	1.119
1.34	0.000	1.118
1.74	0.002	1.116

**Spostamenti fondazione (Combinazione n° 25)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.631	2.441
0.48	1.114	2.730
0.91	1.029	3.037
1.34	1.116	3.351
1.74	1.647	3.654

**Spostamenti traverso (Combinazione n° 25)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.631	2.441
0.48	2.165	2.753
0.91	2.249	3.070
1.34	2.161	3.375
1.74	1.647	3.654

**Spostamenti fondazione (Combinazione n° 26)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.627	2.443

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0.48	1.113	2.730
0.91	1.029	3.036
1.34	1.116	3.351
1.74	1.651	3.656

**Spostamenti trasverso (Combinazione n° 26)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.627	2.443
0.48	2.161	2.747
0.91	2.249	3.062
1.34	2.164	3.368
1.74	1.651	3.656

**Spostamenti fondazione (Combinazione n° 27)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.179	2.882
0.48	1.486	3.269
0.91	1.373	3.678
1.34	1.489	4.097
1.74	2.194	4.500

**Spostamenti trasverso (Combinazione n° 27)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.179	2.882
0.48	2.890	3.303
0.91	2.999	3.725
1.34	2.879	4.131
1.74	2.194	4.500

**Spostamenti fondazione (Combinazione n° 28)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.176	2.883
0.48	1.485	3.269
0.91	1.372	3.678
1.34	1.488	4.097
1.74	2.196	4.501

**Spostamenti trasverso (Combinazione n° 28)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	2.176	2.883
0.48	2.887	3.298
0.91	2.999	3.719
1.34	2.882	4.126
1.74	2.196	4.501

## Sollecitazioni

### Sollecitazioni fondazione (Combinazione n° 1)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2773	-0.6748	19.5852
0.48	0.6620	-2.3680	19.9288
0.91	1.2282	0.2253	19.6545
1.34	0.6620	2.4135	20.6707
1.74	-1.2773	0.6748	19.5852

### Sollecitazioni traverso (Combinazione n° 1)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2773	0.2870	19.5948
0.48	0.5638	3.4752	12.0068
0.91	1.3871	0.2305	9.3907
1.34	0.5638	-2.8818	12.1628
1.74	-1.2773	-0.2870	19.5948

### Sollecitazioni fondazione (Combinazione n° 2)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.7236	-0.6239	15.0630
0.48	0.3859	-1.1887	16.4497
0.91	0.6528	0.1346	16.6982
1.34	0.3859	1.1695	16.9880
1.74	-0.7236	0.6239	15.0630

### Sollecitazioni traverso (Combinazione n° 2)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.7236	0.1159	15.0755
0.48	0.3131	2.2523	9.9789
0.91	0.8417	0.1998	8.1390
1.34	0.3131	-1.7600	10.0774
1.74	-0.7236	-0.1159	15.0755

### Sollecitazioni fondazione (Combinazione n° 3)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.5842	8.5563	89.4270
0.48	2.7040	-22.9948	73.4870
0.91	10.7205	-8.3597	60.1189
1.34	9.6594	14.9361	66.2864
1.74	-7.8074	5.8333	90.2484

### Sollecitazioni traverso (Combinazione n° 3)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.5842	12.9340	88.8995
0.48	13.4283	20.9818	38.6552
0.91	17.2056	-4.6004	28.3020
1.34	9.0313	-26.9110	47.0289
1.74	-7.8074	1.3980	90.4259

### Sollecitazioni fondazione (Combinazione n° 4)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.4514	7.1480	75.1418
0.48	1.3594	-18.5488	65.0262
0.91	8.1875	-8.4094	54.2676
1.34	8.1254	10.6392	57.7139
1.74	-6.6964	6.6793	76.7106

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**Sollecitazioni traverso (Combinazione n° 4)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.4514	10.8264	74.7005
0.48	10.1404	15.7517	35.1248
0.91	12.7080	-4.3582	27.5407
1.34	5.9611	-21.4639	42.8973
1.74	-6.6964	2.9072	76.9460

**Sollecitazioni fondazione (Combinazione n° 5)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1699	11.1038	89.4896
0.48	3.3034	-21.7360	75.7026
0.91	11.0181	-8.4217	62.6664
1.34	10.2584	13.5700	68.4391
1.74	-5.3931	3.2858	90.3108

**Sollecitazioni traverso (Combinazione n° 5)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1699	15.4815	88.8370
0.48	17.6567	22.2379	36.4381
0.91	21.7349	-4.6628	25.7546
1.34	13.2598	-28.2742	44.8760
1.74	-5.3931	-1.1495	90.3633

**Sollecitazioni fondazione (Combinazione n° 6)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.8419	8.8463	75.1835
0.48	1.7590	-17.7096	66.5032
0.91	8.3859	-8.4508	55.9659
1.34	8.5248	9.7285	59.1491
1.74	-5.0868	4.9810	76.7523

**Sollecitazioni traverso (Combinazione n° 6)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.8419	12.5247	74.6589
0.48	12.9593	16.5891	33.6467
0.91	15.7276	-4.3998	25.8424
1.34	8.7801	-22.3727	41.4620
1.74	-5.0868	1.2089	76.9042

**Sollecitazioni fondazione (Combinazione n° 7)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-16.2413	-1.6334	89.1767
0.48	0.3064	-28.0301	64.6247
0.91	9.5303	-8.1113	49.9291
1.34	7.2633	20.4005	57.6756
1.74	-17.4650	16.0231	89.9985

**Sollecitazioni traverso (Combinazione n° 7)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-16.2413	2.7442	89.1494
0.48	-3.4854	15.9576	47.5238
0.91	-0.9118	-4.3504	38.4918
1.34	-7.8825	-21.4580	55.6405
1.74	-17.4650	11.5877	90.6763

**Sollecitazioni fondazione (Combinazione n° 8)**

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X [m]	M [kNm]	V [kN]	N [kN]
0.08	-11.8895	0.3548	74.9749
0.48	-0.2390	-21.9056	59.1180
0.91	7.3940	-8.2438	47.4744
1.34	6.5281	14.2821	51.9734
1.74	-13.1347	13.4725	76.5440

**Sollecitazioni traverso (Combinazione n° 8)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-11.8895	4.0332	74.8672
0.48	-1.1354	12.4022	41.0372
0.91	0.6298	-4.1916	34.3339
1.34	-5.3148	-17.8286	48.6384
1.74	-13.1347	9.7004	77.1129

**Sollecitazioni fondazione (Combinazione n° 9)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-13.8270	0.9140	89.2393
0.48	0.9058	-26.7713	66.8403
0.91	9.8279	-8.1734	52.4766
1.34	7.8624	19.0344	59.8283
1.74	-15.0506	13.4756	90.0609

**Sollecitazioni traverso (Combinazione n° 9)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-13.8270	5.2917	89.0869
0.48	0.7430	17.2137	45.3066
0.91	3.6176	-4.4129	35.9444
1.34	-3.6541	-22.8213	53.4876
1.74	-15.0506	9.0403	90.6137

**Sollecitazioni fondazione (Combinazione n° 10)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-10.2800	2.0531	75.0166
0.48	0.1606	-21.0664	60.5950
0.91	7.5924	-8.2852	49.1727
1.34	6.9274	13.3714	53.4085
1.74	-11.5252	11.7742	76.5857

**Sollecitazioni traverso (Combinazione n° 10)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-10.2800	5.7315	74.8255
0.48	1.6835	13.2396	39.5591
0.91	3.6493	-4.2332	32.6356
1.34	-2.4958	-18.7374	47.2031
1.74	-11.5252	8.0021	77.0711

**Sollecitazioni fondazione (Combinazione n° 11)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9282	0.0525	14.4519
0.48	0.1230	-2.0491	16.0891
0.91	0.8828	-0.9785	15.6919
1.34	0.9292	1.1841	15.7283
1.74	-1.1217	1.4528	15.4490

**Sollecitazioni traverso (Combinazione n° 11)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9282	0.7616	14.4319

Elaborato

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0.48	0.6567	2.4666	8.4749
0.91	1.1261	-0.3519	6.7274
1.34	0.2362	-2.7607	9.3921
1.74	-1.1217	0.6930	15.5016

**Sollecitazioni fondazione (Combinazione n° 12)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9780	0.0774	14.6739
0.48	0.1475	-2.1761	16.1959
0.91	0.9411	-0.9672	15.7226
1.34	0.9536	1.3230	15.8524
1.74	-1.1715	1.4278	15.6709

**Sollecitazioni traverso (Combinazione n° 12)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9780	0.7974	14.6524
0.48	0.6795	2.5478	8.4860
0.91	1.1683	-0.3526	6.6971
1.34	0.2590	-2.8412	9.4071
1.74	-1.1715	0.6572	15.7221

**Sollecitazioni fondazione (Combinazione n° 13)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.4055	0.0872	14.5817
0.48	-0.1960	-0.9690	18.5903
0.91	0.3311	-1.2618	18.9000
1.34	0.7635	-0.1581	17.9889
1.74	-0.6374	1.6997	15.7567

**Sollecitazioni traverso (Combinazione n° 13)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.4055	0.8025	14.5598
0.48	0.4605	1.4723	10.1968
0.91	0.6552	-0.3887	8.9909
1.34	-0.0365	-1.8183	11.1953
1.74	-0.6374	0.9246	15.8211

**Sollecitazioni fondazione (Combinazione n° 14)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.3557	0.0622	14.3597
0.48	-0.2205	-0.8421	18.4835
0.91	0.2728	-1.2730	18.8694
1.34	0.7391	-0.2971	17.8649
1.74	-0.5876	1.7247	15.5348

**Sollecitazioni traverso (Combinazione n° 14)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.3557	0.7667	14.3393
0.48	0.4377	1.3912	10.1858
0.91	0.6130	-0.3880	9.0213
1.34	-0.0593	-1.7378	11.1803
1.74	-0.5876	0.9603	15.6007

**Sollecitazioni fondazione (Combinazione n° 15)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9282	0.0525	14.4519
0.48	0.1230	-2.0491	16.0891
0.91	0.8828	-0.9785	15.6919

Elaborato

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1.34	0.9292	1.1841	15.7283
1.74	-1.1217	1.4528	15.4490

**Sollecitazioni traverso (Combinazione n° 15)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9282	0.7616	14.4319
0.48	0.6566	2.4666	8.4749
0.91	1.1261	-0.3519	6.7274
1.34	0.2362	-2.7607	9.3921
1.74	-1.1217	0.6930	15.5016

**Sollecitazioni fondazione (Combinazione n° 16)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9780	0.0774	14.6739
0.48	0.1475	-2.1761	16.1959
0.91	0.9411	-0.9672	15.7226
1.34	0.9536	1.3230	15.8524
1.74	-1.1715	1.4278	15.6709

**Sollecitazioni traverso (Combinazione n° 16)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.9780	0.7974	14.6524
0.48	0.6795	2.5478	8.4860
0.91	1.1683	-0.3526	6.6971
1.34	0.2590	-2.8412	9.4071
1.74	-1.1715	0.6572	15.7221

**Sollecitazioni fondazione (Combinazione n° 17)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.4055	0.0872	14.5817
0.48	-0.1960	-0.9690	18.5903
0.91	0.3311	-1.2618	18.9000
1.34	0.7635	-0.1581	17.9889
1.74	-0.6374	1.6997	15.7567

**Sollecitazioni traverso (Combinazione n° 17)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.4055	0.8025	14.5598
0.48	0.4605	1.4723	10.1968
0.91	0.6552	-0.3887	8.9909
1.34	-0.0365	-1.8183	11.1953
1.74	-0.6374	0.9246	15.8211

**Sollecitazioni fondazione (Combinazione n° 18)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.3557	0.0622	14.3597
0.48	-0.2205	-0.8421	18.4835
0.91	0.2728	-1.2730	18.8694
1.34	0.7391	-0.2971	17.8649
1.74	-0.5876	1.7247	15.5348

**Sollecitazioni traverso (Combinazione n° 18)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-0.3557	0.7667	14.3393
0.48	0.4377	1.3912	10.1858
0.91	0.6130	-0.3880	9.0213
1.34	-0.0593	-1.7378	11.1803
1.74	-0.5876	0.9603	15.6007

**Sollecitazioni fondazione (Combinazione n° 19)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2335	-0.5241	15.0654
0.48	0.6310	-2.3342	14.4225
0.91	1.1995	0.2030	13.9047
1.34	0.6310	2.4131	15.0194
1.74	-1.2335	0.5241	15.0654

**Sollecitazioni traverso (Combinazione n° 19)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2335	0.2158	15.0730
0.48	0.5491	3.1830	8.3360
0.91	1.3147	0.1477	6.0172
1.34	0.5491	-2.7702	8.4822
1.74	-1.2335	-0.2158	15.0730

**Sollecitazioni fondazione (Combinazione n° 20)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.6980	2.1815	49.9394
0.48	1.2027	-13.5934	39.5363
0.91	5.7231	-4.0424	32.2223
1.34	4.6805	9.7007	36.2104
1.74	-6.3096	5.0133	50.3501

**Sollecitazioni traverso (Combinazione n° 20)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.6980	4.6293	49.7723
0.48	3.8102	10.9947	23.3226
0.91	5.8272	-2.2209	17.3829
1.34	1.6117	-13.7626	27.5293
1.74	-6.3096	2.5367	50.5355

**Sollecitazioni fondazione (Combinazione n° 21)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.6861	4.3044	49.9916
0.48	1.7022	-12.5444	41.3826
0.91	5.9710	-4.0941	34.3451
1.34	5.1796	8.5623	38.0043
1.74	-4.2977	2.8904	50.4022

**Sollecitazioni traverso (Combinazione n° 21)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.6861	6.7522	49.7202
0.48	7.3338	12.0414	21.4750
0.91	9.6016	-2.2729	15.2600
1.34	5.1354	-14.8986	25.7352
1.74	-4.2977	0.4138	50.4833

**Sollecitazioni fondazione (Combinazione n° 22)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.7717	5.6304	61.6267
0.48	1.9925	-16.0866	50.1255
0.91	7.5281	-5.5199	40.8782
1.34	6.6293	10.7627	45.4283
1.74	-5.5871	3.9627	62.1742

**Sollecitazioni traverso (Combinazione n° 22)**



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X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.7717	8.6475	61.2762
0.48	9.1255	14.8544	26.1013
0.91	11.8605	-3.0729	18.6244
1.34	6.1942	-18.7898	31.7258
1.74	-5.5871	0.9071	62.2937

**Sollecitazioni fondazione (Combinazione n° 23)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.1621	7.3287	61.6684
0.48	2.3921	-15.2474	51.6026
0.91	7.7265	-5.5613	42.5765
1.34	7.0286	9.8520	46.8634
1.74	-3.9776	2.2644	62.2158

**Sollecitazioni traverso (Combinazione n° 23)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.1621	10.3458	61.2345
0.48	11.9444	15.6917	24.6232
0.91	14.8801	-3.1145	16.9261
1.34	9.0132	-19.6986	30.2906
1.74	-3.9776	-0.7911	62.2520

**Sollecitazioni fondazione (Combinazione n° 24)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2335	-0.5241	15.0654
0.48	0.6310	-2.3342	14.4225
0.91	1.1995	0.2030	13.9047
1.34	0.6310	2.4131	15.0194
1.74	-1.2335	0.5241	15.0654

**Sollecitazioni traverso (Combinazione n° 24)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.2335	0.2158	15.0730
0.48	0.5491	3.1830	8.3360
0.91	1.3147	0.1477	6.0172
1.34	0.5491	-2.7702	8.4822
1.74	-1.2335	-0.2158	15.0730

**Sollecitazioni fondazione (Combinazione n° 25)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-7.7099	0.0586	49.8873
0.48	0.7032	-14.6424	37.6900
0.91	5.4751	-3.9906	30.0994
1.34	4.1813	10.8391	34.4165
1.74	-8.3216	7.1362	50.2981

**Sollecitazioni traverso (Combinazione n° 25)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-7.7099	2.5064	49.8243
0.48	0.2865	9.9479	25.1702
0.91	2.0527	-2.1688	19.5057
1.34	-1.9120	-12.6266	29.3234
1.74	-8.3216	4.6596	50.5876

**Sollecitazioni fondazione (Combinazione n° 26)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.6980	2.1815	49.9394

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

0.48	1.2027	-13.5934	39.5363
0.91	5.7231	-4.0424	32.2223
1.34	4.6805	9.7007	36.2104
1.74	-6.3096	5.0133	50.3501

**Sollecitazioni traverso (Combinazione n° 26)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.6980	4.6293	49.7723
0.48	3.8102	10.9947	23.3226
0.91	5.8272	-2.2209	17.3829
1.34	1.6117	-13.7626	27.5293
1.74	-6.3096	2.5367	50.5355

**Sollecitazioni fondazione (Combinazione n° 27)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-11.2098	-1.1628	61.4598
0.48	0.3941	-19.4434	44.2173
0.91	6.7346	-5.3544	34.0850
1.34	5.0319	14.4056	39.6877
1.74	-12.0255	10.7558	62.0076

**Sollecitazioni traverso (Combinazione n° 27)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-11.2097	1.8543	61.4428
0.48	-2.1503	11.5049	32.0137
0.91	-0.2177	-2.9063	25.4176
1.34	-5.0817	-15.1545	37.4669
1.74	-12.0255	7.7003	62.4606

**Sollecitazioni fondazione (Combinazione n° 28)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.6002	0.5355	61.5015
0.48	0.7937	-18.6042	45.6944
0.91	6.9330	-5.3958	35.7833
1.34	5.4313	13.4949	41.1229
1.74	-10.4159	9.0576	62.0492

**Sollecitazioni traverso (Combinazione n° 28)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.6002	3.5526	61.4011
0.48	0.6687	12.3423	30.5356
0.91	2.8018	-2.9479	23.7193
1.34	-2.2627	-16.0633	36.0316
1.74	-10.4159	6.0020	62.4189

## Pressioni terreno

### Pressioni sul terreno di fondazione (Combinazione n° 1)

X [m]	$\sigma_t$ [MPa]
0.08	0.035
0.48	0.035
0.91	0.035
1.34	0.035
1.74	0.035

### Pressioni sul terreno di fondazione (Combinazione n° 2)

X [m]	$\sigma_t$ [MPa]
0.08	0.027
0.48	0.027
0.91	0.027
1.34	0.027
1.74	0.027

### Pressioni sul terreno di fondazione (Combinazione n° 3)

X [m]	$\sigma_t$ [MPa]
0.08	0.099
0.48	0.112
0.91	0.127
1.34	0.142
1.74	0.157

### Pressioni sul terreno di fondazione (Combinazione n° 4)

X [m]	$\sigma_t$ [MPa]
0.08	0.078
0.48	0.092
0.91	0.107
1.34	0.122
1.74	0.137

### Pressioni sul terreno di fondazione (Combinazione n° 5)

X [m]	$\sigma_t$ [MPa]
0.08	0.099
0.48	0.112
0.91	0.127
1.34	0.142
1.74	0.157

### Pressioni sul terreno di fondazione (Combinazione n° 6)

X [m]	$\sigma_t$ [MPa]
0.08	0.078
0.48	0.092
0.91	0.107
1.34	0.122
1.74	0.137

### Pressioni sul terreno di fondazione (Combinazione n° 7)

X [m]	$\sigma_t$ [MPa]
0.08	0.098
0.48	0.112
0.91	0.127
1.34	0.142
1.74	0.157

### Pressioni sul terreno di fondazione (Combinazione n° 8)

X [m]	$\sigma_t$ [MPa]
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

0.08	0.078
0.48	0.092
0.91	0.107
1.34	0.122
1.74	0.137

**Pressioni sul terreno di fondazione (Combinazione n° 9)**

X [m]	$\sigma_t$ [MPa]
0.08	0.098
0.48	0.112
0.91	0.127
1.34	0.142
1.74	0.157

**Pressioni sul terreno di fondazione (Combinazione n° 10)**

X [m]	$\sigma_t$ [MPa]
0.08	0.078
0.48	0.092
0.91	0.107
1.34	0.122
1.74	0.137

**Pressioni sul terreno di fondazione (Combinazione n° 11)**

X [m]	$\sigma_t$ [MPa]
0.08	0.022
0.48	0.024
0.91	0.026
1.34	0.029
1.74	0.031

**Pressioni sul terreno di fondazione (Combinazione n° 12)**

X [m]	$\sigma_t$ [MPa]
0.08	0.022
0.48	0.025
0.91	0.027
1.34	0.029
1.74	0.032

**Pressioni sul terreno di fondazione (Combinazione n° 13)**

X [m]	$\sigma_t$ [MPa]
0.08	0.021
0.48	0.024
0.91	0.027
1.34	0.030
1.74	0.033

**Pressioni sul terreno di fondazione (Combinazione n° 14)**

X [m]	$\sigma_t$ [MPa]
0.08	0.021
0.48	0.024
0.91	0.026
1.34	0.029
1.74	0.032

**Pressioni sul terreno di fondazione (Combinazione n° 15)**

X [m]	$\sigma_t$ [MPa]
0.08	0.022
0.48	0.024
0.91	0.026
1.34	0.029
1.74	0.031

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Pressioni sul terreno di fondazione (Combinazione n° 16)**

X [m]	$\sigma_t$ [MPa]
0.08	0.022
0.48	0.025
0.91	0.027
1.34	0.029
1.74	0.032

**Pressioni sul terreno di fondazione (Combinazione n° 17)**

X [m]	$\sigma_t$ [MPa]
0.08	0.021
0.48	0.024
0.91	0.027
1.34	0.030
1.74	0.033

**Pressioni sul terreno di fondazione (Combinazione n° 18)**

X [m]	$\sigma_t$ [MPa]
0.08	0.021
0.48	0.024
0.91	0.026
1.34	0.029
1.74	0.032

**Pressioni sul terreno di fondazione (Combinazione n° 19)**

X [m]	$\sigma_t$ [MPa]
0.08	0.027
0.48	0.027
0.91	0.027
1.34	0.027
1.74	0.027

**Pressioni sul terreno di fondazione (Combinazione n° 20)**

X [m]	$\sigma_t$ [MPa]
0.08	0.059
0.48	0.066
0.91	0.073
1.34	0.080
1.74	0.088

**Pressioni sul terreno di fondazione (Combinazione n° 21)**

X [m]	$\sigma_t$ [MPa]
0.08	0.059
0.48	0.066
0.91	0.073
1.34	0.080
1.74	0.088

**Pressioni sul terreno di fondazione (Combinazione n° 22)**

X [m]	$\sigma_t$ [MPa]
0.08	0.069
0.48	0.078
0.91	0.088
1.34	0.098
1.74	0.108

**Pressioni sul terreno di fondazione (Combinazione n° 23)**

X [m]	$\sigma_t$ [MPa]
0.08	0.069

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

0.48	0.078
0.91	0.088
1.34	0.098
1.74	0.108

**Pressioni sul terreno di fondazione (Combinazione n° 24)**

<b>X [m]</b>	<b><math>\sigma_t</math> [MPa]</b>
0.08	0.027
0.48	0.027
0.91	0.027
1.34	0.027
1.74	0.027

**Pressioni sul terreno di fondazione (Combinazione n° 25)**

<b>X [m]</b>	<b><math>\sigma_t</math> [MPa]</b>
0.08	0.059
0.48	0.066
0.91	0.073
1.34	0.080
1.74	0.088

**Pressioni sul terreno di fondazione (Combinazione n° 26)**

<b>X [m]</b>	<b><math>\sigma_t</math> [MPa]</b>
0.08	0.059
0.48	0.066
0.91	0.073
1.34	0.080
1.74	0.088

**Pressioni sul terreno di fondazione (Combinazione n° 27)**

<b>X [m]</b>	<b><math>\sigma_t</math> [MPa]</b>
0.08	0.069
0.48	0.078
0.91	0.088
1.34	0.098
1.74	0.108

**Pressioni sul terreno di fondazione (Combinazione n° 28)**

<b>X [m]</b>	<b><math>\sigma_t</math> [MPa]</b>
0.08	0.069
0.48	0.078
0.91	0.088
1.34	0.098
1.74	0.108

## Verifiche combinazioni SLU

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in cm

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

N<sub>u</sub> Sforzo normale ultimo, espressa in kN

M<sub>u</sub> Momento ultimo, espressa in kNm

A<sub>B</sub> Area armatura inferiore, espressa in cmq

A<sub>S</sub> Area armatura superiore, espressa in cmq

CS Coeff. di sicurezza sezione

V<sub>Rd</sub> Aliquota taglio assorbita dal calcestruzzo in elementi senza armature trasversali, espressa in kN

V<sub>Rcd</sub> Aliquota taglio assorbita dal calcestruzzo in elementi con armature trasversali, espressa in kN

V<sub>Rsd</sub> Aliquota taglio assorbita armature trasversali, espressa in kN

A<sub>sw</sub> Area armature trasversali nella sezione, espressa in cmq

### Verifica sezioni fondazione [Combinazione n° 1 - SLU (Caso A1-M1)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	1.28 (1.28)	19.59	1150.09	75.00	5.65	5.65	58.72
2	0.48	-0.66 (-0.93)	19.93	1577.36	-73.31	5.65	5.65	79.15
3	0.91	-1.23 (-1.23)	19.65	1203.76	-75.22	5.65	5.65	61.25
4	1.34	-0.66 (-0.93)	20.67	1616.21	-72.82	5.65	5.65	78.19
5	1.74	1.28 (1.28)	19.59	1150.09	75.00	5.65	5.65	58.72

#### Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-0.67	73.75	0.00	0.00	0.00
2	0.48	-2.37	73.88	0.00	0.00	0.00
3	0.91	0.23	73.76	0.00	0.00	0.00
4	1.34	2.41	73.79	0.00	0.00	0.00
5	1.74	0.67	73.75	0.00	0.00	0.00

### Verifica sezioni traverso [Combinazione n° 1 - SLU (Caso A1-M1)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-1.28 (-1.28)	19.59	1148.14	-75.00	5.65	5.65	58.59
2	0.48	0.56 (0.95)	12.01	838.79	66.48	5.65	5.65	69.86
3	0.91	1.39 (1.39)	9.39	294.94	43.56	5.65	5.65	31.41
4	1.34	0.56 (0.89)	12.16	970.91	70.68	5.65	5.65	79.83
5	1.74	-1.28 (-1.28)	19.59	1148.13	-75.00	5.65	5.65	58.59

#### Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.29	64.18	0.00	0.00	0.00
2	0.48	3.48	63.31	0.00	0.00	0.00
3	0.91	0.23	62.99	0.00	0.00	0.00
4	1.34	-2.88	63.29	0.00	0.00	0.00
5	1.74	-0.29	64.18	0.00	0.00	0.00

### Verifica sezioni fondazione [Combinazione n° 2 - SLU (Caso A2-M2)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

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Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.72 (0.72)	15.06	1536.91	73.83	5.65	5.65	102.03
2	0.48	-0.39 (-0.52)	16.45	2054.19	-64.76	5.65	5.65	124.88
3	0.91	-0.65 (-0.65)	16.70	1794.57	-70.16	5.65	5.65	107.47
4	1.34	-0.39 (-0.52)	16.99	2096.65	-63.74	5.65	5.65	123.42
5	1.74	0.72 (0.72)	15.06	1536.91	73.83	5.65	5.65	102.03

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-0.62	73.22	0.00	0.00	0.00
2	0.48	-1.19	73.45	0.00	0.00	0.00
3	0.91	0.13	73.41	0.00	0.00	0.00
4	1.34	1.17	73.39	0.00	0.00	0.00
5	1.74	0.62	73.22	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 2 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.72 (-0.73)	15.08	1522.10	-74.02	5.65	5.65	100.97
2	0.48	0.31 (0.56)	9.98	1337.97	75.68	5.65	5.65	134.08
3	0.91	0.84 (0.84)	8.14	526.09	54.40	5.65	5.65	64.64
4	1.34	0.31 (0.51)	10.08	1472.91	74.46	5.65	5.65	146.16
5	1.74	-0.72 (-0.73)	15.08	1522.10	-74.02	5.65	5.65	100.97

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.12	63.65	0.00	0.00	0.00
2	0.48	2.25	63.07	0.00	0.00	0.00
3	0.91	0.20	62.84	0.00	0.00	0.00
4	1.34	-1.76	63.06	0.00	0.00	0.00
5	1.74	-0.12	63.65	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 3 - SLU (Caso A1-M1)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	6.58 (7.54)	89.43	755.78	63.72	5.65	5.65	8.45
2	0.48	-2.70 (-5.27)	73.49	993.54	-71.25	5.65	5.65	13.52
3	0.91	-10.72 (-11.58)	60.12	201.51	-38.82	5.65	5.65	3.35
4	1.34	-9.66 (-11.33)	66.29	238.07	-40.68	5.65	5.65	3.59
5	1.74	7.81 (7.81)	90.25	720.25	62.31	5.65	5.65	7.98

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	8.56	81.87	0.00	0.00	0.00
2	0.48	-22.99	80.38	0.00	0.00	0.00
3	0.91	-8.36	78.52	0.00	0.00	0.00
4	1.34	14.94	78.91	0.00	0.00	0.00
5	1.74	5.83	81.96	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 3 - SLU (Caso A1-M1)]

Elaborato

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Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-6.58 (-7.89)	88.90	686.79	-60.99	5.65	5.65	7.73
2	0.48	13.43 (15.77)	38.66	80.06	32.66	5.65	5.65	2.07
3	0.91	17.21 (17.42)	28.30	50.64	31.17	5.65	5.65	1.79
4	1.34	9.03 (12.03)	47.03	139.40	35.67	5.65	5.65	2.96
5	1.74	-7.81 (-7.89)	90.43	708.35	-61.84	5.65	5.65	7.83

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	12.93	72.23	0.00	0.00	0.00
2	0.48	20.98	66.51	0.00	0.00	0.00
3	0.91	-4.60	65.16	0.00	0.00	0.00
4	1.34	-26.91	67.20	0.00	0.00	0.00
5	1.74	1.40	72.41	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 4 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	5.45 (6.25)	75.14	773.51	64.33	5.65	5.65	10.29
2	0.48	-1.36 (-3.43)	65.03	1420.81	-74.93	5.65	5.65	21.85
3	0.91	-8.19 (-9.13)	54.27	243.55	-40.96	5.65	5.65	4.49
4	1.34	-8.13 (-9.24)	57.71	261.36	-41.86	5.65	5.65	4.53
5	1.74	6.70 (6.70)	76.71	708.43	61.84	5.65	5.65	9.24

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	7.15	80.21	0.00	0.00	0.00
2	0.48	-18.55	79.33	0.00	0.00	0.00
3	0.91	-8.41	77.83	0.00	0.00	0.00
4	1.34	10.64	77.98	0.00	0.00	0.00
5	1.74	6.68	80.39	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 4 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-5.45 (-6.66)	74.70	681.90	-60.79	5.65	5.65	9.13
2	0.48	10.14 (11.90)	35.12	99.30	33.64	5.65	5.65	2.83
3	0.91	12.71 (12.95)	27.54	68.19	32.06	5.65	5.65	2.48
4	1.34	5.96 (8.36)	42.90	198.52	38.67	5.65	5.65	4.63
5	1.74	-6.70 (-6.89)	76.95	676.95	-60.60	5.65	5.65	8.80

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	10.83	70.58	0.00	0.00	0.00
2	0.48	15.75	66.07	0.00	0.00	0.00
3	0.91	-4.36	65.07	0.00	0.00	0.00
4	1.34	-21.46	66.76	0.00	0.00	0.00
5	1.74	2.91	70.84	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 5 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	4.17 (5.41)	89.49	1247.52	75.40	5.65	5.65	13.94
2	0.48	-3.30 (-5.73)	75.70	909.13	-68.80	5.65	5.65	12.01
3	0.91	-11.02 (-11.94)	62.67	204.64	-38.98	5.65	5.65	3.27
4	1.34	-10.26 (-11.77)	68.44	235.81	-40.56	5.65	5.65	3.45
5	1.74	5.39 (5.74)	90.31	1182.35	75.14	5.65	5.65	13.09

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	11.10	81.88	0.00	0.00	0.00
2	0.48	-21.74	80.63	0.00	0.00	0.00
3	0.91	-8.42	78.81	0.00	0.00	0.00
4	1.34	13.57	79.17	0.00	0.00	0.00
5	1.74	3.29	81.97	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 5 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-4.17 (-5.39)	88.84	1241.70	-75.38	5.65	5.65	13.98
2	0.48	17.66 (20.14)	36.44	56.98	31.49	5.65	5.65	1.56
3	0.91	21.73 (21.94)	25.75	35.70	30.41	5.65	5.65	1.39
4	1.34	13.26 (16.42)	44.88	90.77	33.20	5.65	5.65	2.02
5	1.74	-5.39 (-5.39)	90.36	1264.62	-75.47	5.65	5.65	13.99

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	15.48	72.22	0.00	0.00	0.00
2	0.48	22.24	66.26	0.00	0.00	0.00
3	0.91	-4.66	64.86	0.00	0.00	0.00
4	1.34	-28.27	66.95	0.00	0.00	0.00
5	1.74	-1.15	72.40	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 6 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	3.84 (4.83)	75.18	1168.91	75.08	5.65	5.65	15.55
2	0.48	-1.76 (-3.74)	66.50	1346.03	-75.60	5.65	5.65	20.24
3	0.91	-8.39 (-9.33)	55.97	246.65	-41.11	5.65	5.65	4.41
4	1.34	-8.52 (-9.50)	59.15	260.23	-41.80	5.65	5.65	4.40
5	1.74	5.09 (5.18)	76.75	1093.69	73.79	5.65	5.65	14.25

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	8.85	80.21	0.00	0.00	0.00
2	0.48	-17.71	79.50	0.00	0.00	0.00
3	0.91	-8.45	78.03	0.00	0.00	0.00

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4	1.34	9.73	78.15	0.00	0.00	0.00
5	1.74	4.98	80.40	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 6 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-3.84 (-5.16)	74.66	1051.53	-72.72	5.65	5.65	14.08
2	0.48	12.96 (14.81)	33.65	73.43	32.32	5.65	5.65	2.18
3	0.91	15.73 (15.96)	25.84	50.45	31.16	5.65	5.65	1.95
4	1.34	8.78 (11.28)	41.46	129.26	35.16	5.65	5.65	3.12
5	1.74	-5.09 (-5.16)	76.90	1102.26	-74.00	5.65	5.65	14.33

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	12.52	70.58	0.00	0.00	0.00
2	0.48	16.59	65.90	0.00	0.00	0.00
3	0.91	-4.40	64.87	0.00	0.00	0.00
4	1.34	-22.37	66.58	0.00	0.00	0.00
5	1.74	1.21	70.84	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 7 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	16.24 (16.42)	89.18	214.34	39.47	5.65	5.65	2.40
2	0.48	-0.31 (-3.43)	64.62	1411.51	-75.02	5.65	5.65	21.84
3	0.91	-9.53 (-10.23)	49.93	185.53	-38.01	5.65	5.65	3.72
4	1.34	-7.26 (-9.54)	57.68	249.41	-41.25	5.65	5.65	4.32
5	1.74	17.46 (17.46)	90.00	199.55	38.72	5.65	5.65	2.22

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-1.63	81.84	0.00	0.00	0.00
2	0.48	-28.03	79.38	0.00	0.00	0.00
3	0.91	-8.11	77.33	0.00	0.00	0.00
4	1.34	20.40	77.88	0.00	0.00	0.00
5	1.74	16.02	81.94	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 7 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-16.24 (-16.55)	89.15	212.04	-39.36	5.65	5.65	2.38
2	0.48	-3.49 (-5.27)	47.52	467.25	-51.78	5.65	5.65	9.83
3	0.91	-0.91 (-1.40)	38.49	1887.82	-68.53	5.65	5.65	49.04
4	1.34	-7.88 (-10.28)	55.64	213.48	-39.43	5.65	5.65	3.84
5	1.74	-17.46 (-18.76)	90.68	183.17	-37.89	5.65	5.65	2.02

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
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Elaborato

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Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	2.74	72.26	0.00	0.00	0.00
2	0.48	15.96	67.51	0.00	0.00	0.00
3	0.91	-4.35	66.34	0.00	0.00	0.00
4	1.34	-21.46	68.24	0.00	0.00	0.00
5	1.74	11.59	72.44	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 8 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	11.89 (11.93)	74.97	263.91	41.99	5.65	5.65	3.52
2	0.48	0.24 (2.68)	59.12	1606.77	72.94	5.65	5.65	27.18
3	0.91	-7.39 (-8.28)	47.47	231.21	-40.33	5.65	5.65	4.87
4	1.34	-6.53 (-8.12)	51.97	271.00	-42.35	5.65	5.65	5.21
5	1.74	13.13 (13.13)	76.54	236.64	40.61	5.65	5.65	3.09

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.35	80.19	0.00	0.00	0.00
2	0.48	-21.91	78.66	0.00	0.00	0.00
3	0.91	-8.24	77.04	0.00	0.00	0.00
4	1.34	14.28	77.29	0.00	0.00	0.00
5	1.74	13.47	80.37	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 8 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-11.89 (-12.34)	74.87	250.70	-41.32	5.65	5.65	3.35
2	0.48	-1.14 (-2.52)	41.04	1226.79	-75.32	5.65	5.65	29.89
3	0.91	0.63 (0.92)	34.33	2226.81	59.89	5.65	5.65	64.86
4	1.34	-5.31 (-7.30)	48.64	287.61	-43.19	5.65	5.65	5.91
5	1.74	-13.13 (-14.22)	77.11	214.02	-39.46	5.65	5.65	2.78

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.03	70.60	0.00	0.00	0.00
2	0.48	12.40	66.73	0.00	0.00	0.00
3	0.91	-4.19	65.86	0.00	0.00	0.00
4	1.34	-17.83	67.44	0.00	0.00	0.00
5	1.74	9.70	70.86	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 9 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	13.83 (13.93)	89.24	271.48	42.37	5.65	5.65	3.04
2	0.48	-0.91 (-3.89)	66.84	1298.07	-75.61	5.65	5.65	19.42
3	0.91	-9.83 (-10.57)	52.48	189.84	-38.23	5.65	5.65	3.62
4	1.34	-7.86 (-9.99)	59.83	246.16	-41.09	5.65	5.65	4.11
5	1.74	15.05 (15.05)	90.06	245.75	41.07	5.65	5.65	2.73

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.91	81.85	0.00	0.00	0.00
2	0.48	-26.77	79.63	0.00	0.00	0.00
3	0.91	-8.17	77.63	0.00	0.00	0.00
4	1.34	19.03	78.14	0.00	0.00	0.00
5	1.74	13.48	81.94	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 9 - SLU (Caso A1-M1)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-13.83 (-14.42)	89.09	257.43	-41.66	5.65	5.65	2.89
2	0.48	0.74 (2.66)	45.31	1285.00	75.56	5.65	5.65	28.36
3	0.91	3.62 (3.86)	35.94	492.42	52.90	5.65	5.65	13.70
4	1.34	-3.65 (-6.20)	53.49	433.70	-50.28	5.65	5.65	8.11
5	1.74	-15.05 (-15.91)	90.61	229.00	-40.22	5.65	5.65	2.53

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	5.29	72.25	0.00	0.00	0.00
2	0.48	17.21	67.26	0.00	0.00	0.00
3	0.91	-4.41	66.05	0.00	0.00	0.00
4	1.34	-22.82	67.98	0.00	0.00	0.00
5	1.74	9.04	72.43	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 10 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	10.28 (10.51)	75.02	320.09	44.84	5.65	5.65	4.27
2	0.48	-0.16 (-2.51)	60.60	1722.81	-71.41	5.65	5.65	28.43
3	0.91	-7.59 (-8.52)	49.17	233.53	-40.45	5.65	5.65	4.75
4	1.34	-6.93 (-8.42)	53.41	267.52	-42.17	5.65	5.65	5.01
5	1.74	11.53 (11.53)	76.59	286.72	43.15	5.65	5.65	3.74

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	2.05	80.19	0.00	0.00	0.00
2	0.48	-21.07	78.83	0.00	0.00	0.00
3	0.91	-8.29	77.24	0.00	0.00	0.00
4	1.34	13.37	77.46	0.00	0.00	0.00
5	1.74	11.77	80.38	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 10 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-10.28 (-10.92)	74.83	300.43	-43.84	5.65	5.65	4.02
2	0.48	1.68 (3.16)	39.56	827.21	66.10	5.65	5.65	20.91
3	0.91	3.65 (3.93)	32.64	408.38	49.15	5.65	5.65	12.51

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

4	1.34	-2.50 (-4.59)	47.20	586.94	-57.04	5.65	5.65	12.43
5	1.74	-11.53 (-12.34)	77.07	261.57	-41.87	5.65	5.65	3.39

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	5.73	70.60	0.00	0.00	0.00
2	0.48	13.24	66.57	0.00	0.00	0.00
3	0.91	-4.23	65.66	0.00	0.00	0.00
4	1.34	-18.74	67.27	0.00	0.00	0.00
5	1.74	8.00	70.86	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 11 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.93 (0.93)	14.45	1161.19	75.05	5.65	5.65	80.35
2	0.48	-0.12 (-0.35)	16.09	2425.05	-53.01	5.65	5.65	150.73
3	0.91	-0.88 (-0.99)	15.69	1188.95	-75.16	5.65	5.65	75.77
4	1.34	-0.93 (-1.04)	15.73	1137.87	-74.90	5.65	5.65	72.35
5	1.74	1.12 (1.12)	15.45	974.87	70.78	5.65	5.65	63.10

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.05	73.15	0.00	0.00	0.00
2	0.48	-2.05	73.40	0.00	0.00	0.00
3	0.91	-0.98	73.30	0.00	0.00	0.00
4	1.34	1.18	73.25	0.00	0.00	0.00
5	1.74	1.45	73.27	0.00	0.00	0.00

Verifica sezioni trasverso [Combinazione n° 11 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.93 (-1.01)	14.43	1027.00	-72.10	5.65	5.65	71.16
2	0.48	0.66 (0.93)	8.47	473.28	52.05	5.65	5.65	55.85
3	0.91	1.13 (1.14)	6.73	240.15	40.78	5.65	5.65	35.70
4	1.34	0.24 (0.54)	9.39	1305.16	75.64	5.65	5.65	138.96
5	1.74	-1.12 (-1.20)	15.50	874.93	-67.67	5.65	5.65	56.44

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.76	63.58	0.00	0.00	0.00
2	0.48	2.47	62.90	0.00	0.00	0.00
3	0.91	-0.35	62.68	0.00	0.00	0.00
4	1.34	-2.76	62.97	0.00	0.00	0.00
5	1.74	0.69	63.70	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 12 - SLU (Caso A1-M1) - Sisma Vert. positivo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
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Elaborato

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**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	0.98 (0.99)	14.67	1099.68	73.94	5.65	5.65	74.94
2	0.48	-0.15 (-0.39)	16.20	2335.65	-56.29	5.65	5.65	144.21
3	0.91	-0.94 (-1.05)	15.72	1113.35	-74.28	5.65	5.65	70.81
4	1.34	-0.95 (-1.08)	15.85	1072.55	-73.25	5.65	5.65	67.66
5	1.74	1.17 (1.17)	15.67	929.30	69.47	5.65	5.65	59.30

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.08	73.18	0.00	0.00	0.00
2	0.48	-2.18	73.42	0.00	0.00	0.00
3	0.91	-0.97	73.31	0.00	0.00	0.00
4	1.34	1.32	73.26	0.00	0.00	0.00
5	1.74	1.43	73.29	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 12 - SLU (Caso A1-M1) - Sisma Vert. positivo ]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>ft</sub>	A <sub>fs</sub>	CS
1	0.08	-0.98 (-1.07)	14.65	970.55	-70.67	5.65	5.65	66.24
2	0.48	0.68 (0.96)	8.49	448.50	50.94	5.65	5.65	52.85
3	0.91	1.17 (1.18)	6.70	226.87	40.11	5.65	5.65	33.88
4	1.34	0.26 (0.58)	9.41	1230.09	75.33	5.65	5.65	130.76
5	1.74	-1.17 (-1.24)	15.72	840.45	-66.54	5.65	5.65	53.46

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.80	63.60	0.00	0.00	0.00
2	0.48	2.55	62.90	0.00	0.00	0.00
3	0.91	-0.35	62.67	0.00	0.00	0.00
4	1.34	-2.84	62.97	0.00	0.00	0.00
5	1.74	0.66	63.73	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 13 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>ft</sub>	A <sub>fs</sub>	CS
1	0.08	0.41 (0.42)	14.58	2166.21	61.68	5.65	5.65	148.56
2	0.48	0.20 (0.30)	18.59	2650.70	43.37	5.65	5.65	142.58
3	0.91	-0.33 (-0.47)	18.90	2302.71	-57.49	5.65	5.65	121.84
4	1.34	-0.76 (-0.77)	17.99	1686.57	-71.93	5.65	5.65	93.76
5	1.74	0.64 (0.64)	15.76	1752.47	70.89	5.65	5.65	111.22

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.09	73.17	0.00	0.00	0.00
2	0.48	-0.97	73.69	0.00	0.00	0.00
3	0.91	-1.26	73.68	0.00	0.00	0.00
4	1.34	-0.16	73.52	0.00	0.00	0.00
5	1.74	1.70	73.30	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 13 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.41 (-0.50)	14.56	1965.11	-66.82	5.65	5.65	134.97
2	0.48	0.46 (0.62)	10.20	1229.37	75.33	5.65	5.65	120.56
3	0.91	0.66 (0.69)	8.99	884.95	68.01	5.65	5.65	98.43
4	1.34	-0.04 (-0.24)	11.20	2444.77	-52.29	5.65	5.65	218.37
5	1.74	-0.64 (-0.74)	15.82	1568.61	-73.42	5.65	5.65	99.15

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.80	63.59	0.00	0.00	0.00
2	0.48	1.47	63.09	0.00	0.00	0.00
3	0.91	-0.39	62.94	0.00	0.00	0.00
4	1.34	-1.82	63.19	0.00	0.00	0.00
5	1.74	0.92	63.74	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 14 - SLU (Caso A2-M2) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.36 (0.36)	14.36	2292.00	57.89	5.65	5.65	159.61
2	0.48	0.22 (0.31)	18.48	2622.59	44.62	5.65	5.65	141.89
3	0.91	-0.27 (-0.41)	18.87	2419.77	-53.21	5.65	5.65	128.24
4	1.34	-0.74 (-0.75)	17.86	1709.50	-71.64	5.65	5.65	95.69
5	1.74	0.59 (0.59)	15.53	1835.71	69.44	5.65	5.65	118.17

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.06	73.14	0.00	0.00	0.00
2	0.48	-0.84	73.67	0.00	0.00	0.00
3	0.91	-1.27	73.67	0.00	0.00	0.00
4	1.34	-0.30	73.50	0.00	0.00	0.00
5	1.74	1.72	73.28	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 14 - SLU (Caso A2-M2) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.36 (-0.44)	14.34	2082.80	-64.10	5.65	5.65	145.25
2	0.48	0.44 (0.59)	10.19	1298.92	75.62	5.65	5.65	127.52
3	0.91	0.61 (0.65)	9.02	985.85	71.06	5.65	5.65	109.28
4	1.34	-0.06 (-0.25)	11.18	2392.64	-54.20	5.65	5.65	214.01
5	1.74	-0.59 (-0.69)	15.60	1630.89	-72.63	5.65	5.65	104.54

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.77	63.56	0.00	0.00	0.00
2	0.48	1.39	63.09	0.00	0.00	0.00
3	0.91	-0.39	62.94	0.00	0.00	0.00
4	1.34	-1.74	63.19	0.00	0.00	0.00
5	1.74	0.96	63.71	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 15 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Elaborato

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**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.93 (0.93)	14.45	1161.19	75.05	5.65	5.65	80.35
2	0.48	-0.12 (-0.35)	16.09	2425.05	-53.01	5.65	5.65	150.73
3	0.91	-0.88 (-0.99)	15.69	1188.95	-75.16	5.65	5.65	75.77
4	1.34	-0.93 (-1.04)	15.73	1137.87	-74.90	5.65	5.65	72.35
5	1.74	1.12 (1.12)	15.45	974.87	70.78	5.65	5.65	63.10

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.05	73.15	0.00	0.00	0.00
2	0.48	-2.05	73.40	0.00	0.00	0.00
3	0.91	-0.98	73.30	0.00	0.00	0.00
4	1.34	1.18	73.25	0.00	0.00	0.00
5	1.74	1.45	73.27	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 15 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.93 (-1.01)	14.43	1027.00	-72.10	5.65	5.65	71.16
2	0.48	0.66 (0.93)	8.47	473.28	52.05	5.65	5.65	55.85
3	0.91	1.13 (1.14)	6.73	240.15	40.78	5.65	5.65	35.70
4	1.34	0.24 (0.54)	9.39	1305.16	75.64	5.65	5.65	138.96
5	1.74	-1.12 (-1.20)	15.50	874.93	-67.67	5.65	5.65	56.44

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.76	63.58	0.00	0.00	0.00
2	0.48	2.47	62.90	0.00	0.00	0.00
3	0.91	-0.35	62.68	0.00	0.00	0.00
4	1.34	-2.76	62.97	0.00	0.00	0.00
5	1.74	0.69	63.70	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 16 - SLU (Caso A1-M1) - Sisma Vert. positivo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.98 (0.99)	14.67	1099.68	73.94	5.65	5.65	74.94
2	0.48	-0.15 (-0.39)	16.20	2335.65	-56.29	5.65	5.65	144.21
3	0.91	-0.94 (-1.05)	15.72	1113.35	-74.28	5.65	5.65	70.81
4	1.34	-0.95 (-1.08)	15.85	1072.55	-73.25	5.65	5.65	67.66
5	1.74	1.17 (1.17)	15.67	929.30	69.47	5.65	5.65	59.30

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.08	73.18	0.00	0.00	0.00
2	0.48	-2.18	73.42	0.00	0.00	0.00
3	0.91	-0.97	73.31	0.00	0.00	0.00
4	1.34	1.32	73.26	0.00	0.00	0.00
5	1.74	1.43	73.29	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 16 - SLU (Caso A1-M1) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.98 (-1.07)	14.65	970.55	-70.67	5.65	5.65	66.24
2	0.48	0.68 (0.96)	8.49	448.50	50.94	5.65	5.65	52.85
3	0.91	1.17 (1.18)	6.70	226.87	40.11	5.65	5.65	33.88
4	1.34	0.26 (0.58)	9.41	1230.09	75.33	5.65	5.65	130.76
5	1.74	-1.17 (-1.24)	15.72	840.45	-66.54	5.65	5.65	53.46

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.80	63.60	0.00	0.00	0.00
2	0.48	2.55	62.90	0.00	0.00	0.00
3	0.91	-0.35	62.67	0.00	0.00	0.00
4	1.34	-2.84	62.97	0.00	0.00	0.00
5	1.74	0.66	63.73	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 17 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.41 (0.42)	14.58	2166.21	61.68	5.65	5.65	148.56
2	0.48	0.20 (0.30)	18.59	2650.70	43.37	5.65	5.65	142.58
3	0.91	-0.33 (-0.47)	18.90	2302.71	-57.49	5.65	5.65	121.84
4	1.34	-0.76 (-0.77)	17.99	1686.57	-71.93	5.65	5.65	93.76
5	1.74	0.64 (0.64)	15.76	1752.47	70.89	5.65	5.65	111.22

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.09	73.17	0.00	0.00	0.00
2	0.48	-0.97	73.69	0.00	0.00	0.00
3	0.91	-1.26	73.68	0.00	0.00	0.00
4	1.34	-0.16	73.52	0.00	0.00	0.00
5	1.74	1.70	73.30	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 17 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.41 (-0.50)	14.56	1965.11	-66.82	5.65	5.65	134.97
2	0.48	0.46 (0.62)	10.20	1229.37	75.33	5.65	5.65	120.56
3	0.91	0.66 (0.69)	8.99	884.95	68.01	5.65	5.65	98.43
4	1.34	-0.04 (-0.24)	11.20	2444.77	-52.29	5.65	5.65	218.37
5	1.74	-0.64 (-0.74)	15.82	1568.61	-73.42	5.65	5.65	99.15

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.80	63.59	0.00	0.00	0.00
2	0.48	1.47	63.09	0.00	0.00	0.00
3	0.91	-0.39	62.94	0.00	0.00	0.00

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4	1.34	-1.82	63.19	0.00	0.00	0.00
5	1.74	0.92	63.74	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 18 - SLU (Caso A2-M2) - Sisma Vert. negativo]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	0.36 (0.36)	14.36	2292.00	57.89	5.65	5.65	159.61
2	0.48	0.22 (0.31)	18.48	2622.59	44.62	5.65	5.65	141.89
3	0.91	-0.27 (-0.41)	18.87	2419.77	-53.21	5.65	5.65	128.24
4	1.34	-0.74 (-0.75)	17.86	1709.50	-71.64	5.65	5.65	95.69
5	1.74	0.59 (0.59)	15.53	1835.71	69.44	5.65	5.65	118.17

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.06	73.14	0.00	0.00	0.00
2	0.48	-0.84	73.67	0.00	0.00	0.00
3	0.91	-1.27	73.67	0.00	0.00	0.00
4	1.34	-0.30	73.50	0.00	0.00	0.00
5	1.74	1.72	73.28	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 18 - SLU (Caso A2-M2) - Sisma Vert. negativo]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-0.36 (-0.44)	14.34	2082.80	-64.10	5.65	5.65	145.25
2	0.48	0.44 (0.59)	10.19	1298.92	75.62	5.65	5.65	127.52
3	0.91	0.61 (0.65)	9.02	985.85	71.06	5.65	5.65	109.28
4	1.34	-0.06 (-0.25)	11.18	2392.64	-54.20	5.65	5.65	214.01
5	1.74	-0.59 (-0.69)	15.60	1630.89	-72.63	5.65	5.65	104.54

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.77	63.56	0.00	0.00	0.00
2	0.48	1.39	63.09	0.00	0.00	0.00
3	0.91	-0.39	62.94	0.00	0.00	0.00
4	1.34	-1.74	63.19	0.00	0.00	0.00
5	1.74	0.96	63.71	0.00	0.00	0.00

## Verifiche combinazioni SLE

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in m

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

A<sub>f</sub> Area armatura inferiore, espressa in cmq

A<sub>s</sub> Area armatura superiore, espressa in cmq

σ<sub>f</sub> Tensione nell'armatura disposta in corrispondenza del lembo inferiore, espressa in MPa

σ<sub>s</sub> Tensione nell'armatura disposta in corrispondenza del lembo superiore, espressa in MPa

σ<sub>c</sub> Tensione nel calcestruzzo, espressa in MPa

τ<sub>c</sub> Tensione tangenziale nel calcestruzzo, espressa in MPa

A<sub>sw</sub> Area armature trasversali nella sezione, espressa in cmq

### Verifica sezioni fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	A <sub>f</sub>	A <sub>s</sub>	σ <sub>f</sub>	σ <sub>s</sub>	σ <sub>c</sub>
1	0.08	1.23	15.07	5.65	5.65	3.49	6.72	0.51
2	0.48	-0.63	14.42	5.65	5.65	0.35	2.40	0.24
3	0.91	-1.20	13.90	5.65	5.65	7.07	3.29	0.50
4	1.34	-0.63	15.02	5.65	5.65	0.22	2.44	0.24
5	1.74	1.23	15.07	5.65	5.65	3.49	6.72	0.51

#### Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-0.52	-0.005	0.00
2	0.48	-2.33	-0.022	0.00
3	0.91	0.20	0.002	0.00
4	1.34	2.41	0.023	0.00
5	1.74	0.52	0.005	0.00

### Verifica sezioni traverso [Combinazione n° 19 - SLE (Quasi Permanente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	A <sub>f</sub>	A <sub>s</sub>	σ <sub>f</sub>	σ <sub>s</sub>	σ <sub>c</sub>
1	0.08	-1.23	15.07	5.65	5.65	6.72	3.49	0.51
2	0.48	0.55	8.34	5.65	5.65	1.75	1.95	0.22
3	0.91	1.31	6.02	5.65	5.65	1.90	15.40	0.60
4	1.34	0.55	8.48	5.65	5.65	1.77	1.86	0.22
5	1.74	-1.23	15.07	5.65	5.65	6.72	3.49	0.51

#### Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	0.22	0.002	0.00
2	0.48	3.18	0.030	0.00
3	0.91	0.15	0.001	0.00
4	1.34	-2.77	-0.026	0.00
5	1.74	-0.22	-0.002	0.00

### Verifica sezioni fondazione [Combinazione n° 20 - SLE (Frequente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	5.70	49.94	5.65	5.65	13.01	46.13	2.48
2	0.48	-1.20	39.54	5.65	5.65	1.18	5.48	0.48
3	0.91	-5.72	32.22	5.65	5.65	61.65	9.56	2.58
4	1.34	-4.68	36.21	5.65	5.65	41.90	9.80	2.06
5	1.74	6.31	50.35	5.65	5.65	13.50	55.19	2.77

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	2.18	0.021	0.00
2	0.48	-13.59	-0.129	0.00
3	0.91	-4.04	-0.038	0.00
4	1.34	9.70	0.092	0.00
5	1.74	5.01	0.048	0.00

Verifica sezioni traverso [Combinazione n° 20 - SLE (Frequente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-5.70	49.77	5.65	5.65	46.27	12.98	2.48
2	0.48	3.81	23.32	5.65	5.65	6.76	39.40	1.71
3	0.91	5.83	17.38	5.65	5.65	6.28	76.69	2.68
4	1.34	1.61	27.53	5.65	5.65	5.43	4.11	0.62
5	1.74	-6.31	50.54	5.65	5.65	55.03	13.54	2.77

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	4.63	0.044	0.00
2	0.48	10.99	0.104	0.00
3	0.91	-2.22	-0.021	0.00
4	1.34	-13.76	-0.131	0.00
5	1.74	2.54	0.024	0.00

Verifica sezioni fondazione [Combinazione n° 21 - SLE (Frequente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	3.69	49.99	5.65	5.65	11.08	16.72	1.50
2	0.48	-1.70	41.38	5.65	5.65	0.40	6.66	0.64
3	0.91	-5.97	34.35	5.65	5.65	63.68	10.13	2.69
4	1.34	-5.18	38.00	5.65	5.65	48.12	10.45	2.29
5	1.74	4.30	50.40	5.65	5.65	11.87	24.92	1.79

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	4.30	0.041	0.00
2	0.48	-12.54	-0.119	0.00
3	0.91	-4.09	-0.039	0.00
4	1.34	8.56	0.081	0.00
5	1.74	2.89	0.027	0.00

Verifica sezioni traverso [Combinazione n° 21 - SLE (Frequente)]

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-3.69	49.72	5.65	5.65	16.89	11.04	1.50
2	0.48	7.33	21.47	5.65	5.65	7.81	96.89	3.38
3	0.91	9.60	15.26	5.65	5.65	7.11	138.77	4.45
4	1.34	5.14	25.74	5.65	5.65	7.90	58.14	2.33
5	1.74	-4.30	50.48	5.65	5.65	24.86	11.88	1.79

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	6.75	0.064	0.00
2	0.48	12.04	0.114	0.00
3	0.91	-2.27	-0.022	0.00
4	1.34	-14.90	-0.141	0.00
5	1.74	0.41	0.004	0.00

Verifica sezioni fondazione [Combinazione n° 22 - SLE (Rara)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	4.77	61.63	5.65	5.65	13.95	23.69	1.96
2	0.48	-1.99	50.13	5.65	5.65	0.14	7.91	0.75
3	0.91	-7.53	40.88	5.65	5.65	82.43	12.26	3.40
4	1.34	-6.63	45.43	5.65	5.65	64.34	12.74	2.95
5	1.74	5.59	62.17	5.65	5.65	14.94	34.87	2.35

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	5.63	0.053	0.00
2	0.48	-16.09	-0.153	0.00
3	0.91	-5.52	-0.052	0.00
4	1.34	10.76	0.102	0.00
5	1.74	3.96	0.038	0.00

Verifica sezioni traverso [Combinazione n° 22 - SLE (Rara)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-4.77	61.28	5.65	5.65	23.93	13.91	1.96
2	0.48	9.13	26.10	5.65	5.65	9.57	121.14	4.20
3	0.91	11.86	18.62	5.65	5.65	8.73	171.63	5.50
4	1.34	6.19	31.73	5.65	5.65	9.68	69.52	2.80
5	1.74	-5.59	62.29	5.65	5.65	34.78	14.96	2.35

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	8.65	0.082	0.00
2	0.48	14.85	0.141	0.00
3	0.91	-3.07	-0.029	0.00
4	1.34	-18.79	-0.178	0.00
5	1.74	0.91	0.009	0.00

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Verifica sezioni fondazione [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	3.16	61.67	5.65	5.65	11.27	4.89	1.19
2	0.48	-2.39	51.60	5.65	5.65	2.13	8.89	0.89
3	0.91	-7.73	42.58	5.65	5.65	84.05	12.71	3.49
4	1.34	-7.03	46.86	5.65	5.65	69.34	13.25	3.14
5	1.74	3.98	62.22	5.65	5.65	12.87	13.08	1.57

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	7.33	0.070	0.00
2	0.48	-15.25	-0.145	0.00
3	0.91	-5.56	-0.053	0.00
4	1.34	9.85	0.093	0.00
5	1.74	2.26	0.021	0.00

**Verifica sezioni traverso [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-3.16	61.23	5.65	5.65	5.05	11.24	1.19
2	0.48	11.94	24.62	5.65	5.65	10.23	167.38	5.53
3	0.91	14.88	16.93	5.65	5.65	9.35	221.34	6.92
4	1.34	9.01	30.29	5.65	5.65	10.51	115.51	4.14
5	1.74	-3.98	62.25	5.65	5.65	13.06	12.87	1.57

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	10.35	0.098	0.00
2	0.48	15.69	0.149	0.00
3	0.91	-3.11	-0.030	0.00
4	1.34	-19.70	-0.187	0.00
5	1.74	-0.79	-0.008	0.00

**Verifica sezioni fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	1.23	15.07	5.65	5.65	3.49	6.72	0.51
2	0.48	-0.63	14.42	5.65	5.65	0.35	2.40	0.24
3	0.91	-1.20	13.90	5.65	5.65	7.07	3.29	0.50
4	1.34	-0.63	15.02	5.65	5.65	0.22	2.44	0.24
5	1.74	1.23	15.07	5.65	5.65	3.49	6.72	0.51

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-0.52	-0.005	0.00

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

2	0.48	-2.33	-0.022	0.00
3	0.91	0.20	0.002	0.00
4	1.34	2.41	0.023	0.00
5	1.74	0.52	0.005	0.00

**Verifica sezioni traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	-1.23	15.07	5.65	5.65	6.72	3.49	0.51
2	0.48	0.55	8.34	5.65	5.65	1.75	1.95	0.22
3	0.91	1.31	6.02	5.65	5.65	1.90	15.40	0.60
4	1.34	0.55	8.48	5.65	5.65	1.77	1.86	0.22
5	1.74	-1.23	15.07	5.65	5.65	6.72	3.49	0.51

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	0.22	0.002	0.00
2	0.48	3.18	0.030	0.00
3	0.91	0.15	0.001	0.00
4	1.34	-2.77	-0.026	0.00
5	1.74	-0.22	-0.002	0.00

**Verifica sezioni fondazione [Combinazione n° 25 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	7.71	49.89	5.65	5.65	14.23	77.38	3.45
2	0.48	-0.70	37.69	5.65	5.65	1.95	4.44	0.36
3	0.91	-5.48	30.10	5.65	5.65	59.62	8.99	2.47
4	1.34	-4.18	34.42	5.65	5.65	35.70	9.14	1.83
5	1.74	8.32	50.30	5.65	5.65	14.63	86.61	3.74

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	0.06	0.001	0.00
2	0.48	-14.64	-0.139	0.00
3	0.91	-3.99	-0.038	0.00
4	1.34	10.84	0.103	0.00
5	1.74	7.14	0.068	0.00

**Verifica sezioni traverso [Combinazione n° 25 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	-7.71	49.82	5.65	5.65	77.43	14.21	3.45
2	0.48	0.29	25.17	5.65	5.65	2.64	1.63	0.20
3	0.91	2.05	19.51	5.65	5.65	4.95	15.39	0.89
4	1.34	-1.91	29.32	5.65	5.65	6.61	6.13	0.76
5	1.74	-8.32	50.59	5.65	5.65	86.36	14.69	3.73



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	2.51	0.024	0.00
2	0.48	9.95	0.094	0.00
3	0.91	-2.17	-0.021	0.00
4	1.34	-12.63	-0.120	0.00
5	1.74	4.66	0.044	0.00

**Verifica sezioni fondazione [Combinazione n° 26 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	5.70	49.94	5.65	5.65	13.01	46.13	2.48
2	0.48	-1.20	39.54	5.65	5.65	1.18	5.48	0.48
3	0.91	-5.72	32.22	5.65	5.65	61.65	9.56	2.58
4	1.34	-4.68	36.21	5.65	5.65	41.90	9.80	2.06
5	1.74	6.31	50.35	5.65	5.65	13.50	55.19	2.77

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	2.18	0.021	0.00
2	0.48	-13.59	-0.129	0.00
3	0.91	-4.04	-0.038	0.00
4	1.34	9.70	0.092	0.00
5	1.74	5.01	0.048	0.00

**Verifica sezioni trasverso [Combinazione n° 26 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	-5.70	49.77	5.65	5.65	46.27	12.98	2.48
2	0.48	3.81	23.32	5.65	5.65	6.76	39.40	1.71
3	0.91	5.83	17.38	5.65	5.65	6.28	76.69	2.68
4	1.34	1.61	27.53	5.65	5.65	5.43	4.11	0.62
5	1.74	-6.31	50.54	5.65	5.65	55.03	13.54	2.77

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	4.63	0.044	0.00
2	0.48	10.99	0.104	0.00
3	0.91	-2.22	-0.021	0.00
4	1.34	-13.76	-0.131	0.00
5	1.74	2.54	0.024	0.00

**Verifica sezioni fondazione [Combinazione n° 27 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	11.21	61.46	5.65	5.65	18.38	122.22	5.06
2	0.48	-0.39	44.22	5.65	5.65	3.05	4.44	0.33

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3	0.91	-6.73	34.09	5.65	5.65	75.95	10.43	3.05
4	1.34	-5.03	39.69	5.65	5.65	44.40	10.68	2.21
5	1.74	12.03	62.01	5.65	5.65	18.87	134.60	5.44

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	-1.16	-0.011	0.00
2	0.48	-19.44	-0.184	0.00
3	0.91	-5.35	-0.051	0.00
4	1.34	14.41	0.137	0.00
5	1.74	10.76	0.102	0.00

Verifica sezioni traverso [Combinazione n° 27 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	-11.21	61.44	5.65	5.65	122.24	18.38	5.06
2	0.48	-2.15	32.01	5.65	5.65	7.99	6.79	0.86
3	0.91	-0.22	25.42	5.65	5.65	1.77	2.54	0.19
4	1.34	-5.08	37.47	5.65	5.65	47.05	10.29	2.25
5	1.74	-12.03	62.46	5.65	5.65	134.20	18.97	5.44

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	1.85	0.018	0.00
2	0.48	11.50	0.109	0.00
3	0.91	-2.91	-0.028	0.00
4	1.34	-15.15	-0.144	0.00
5	1.74	7.70	0.073	0.00

Verifica sezioni fondazione [Combinazione n° 28 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	9.60	61.50	5.65	5.65	17.59	96.89	4.29
2	0.48	-0.79	45.69	5.65	5.65	2.47	5.27	0.43
3	0.91	-6.93	35.78	5.65	5.65	77.57	10.89	3.14
4	1.34	-5.43	41.12	5.65	5.65	49.38	11.20	2.40
5	1.74	10.42	62.05	5.65	5.65	18.12	109.21	4.68

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	0.54	0.005	0.00
2	0.48	-18.60	-0.177	0.00
3	0.91	-5.40	-0.051	0.00
4	1.34	13.49	0.128	0.00
5	1.74	9.06	0.086	0.00

Verifica sezioni traverso [Combinazione n° 28 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-9.60	61.40	5.65	5.65	96.97	17.57	4.30
2	0.48	0.67	30.54	5.65	5.65	3.77	1.41	0.32
3	0.91	2.80	23.72	5.65	5.65	6.25	23.37	1.22
4	1.34	-2.26	36.03	5.65	5.65	7.09	7.38	0.89
5	1.74	-10.42	62.42	5.65	5.65	108.88	18.20	4.68

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	3.55	0.034	0.00
2	0.48	12.34	0.117	0.00
3	0.91	-2.95	-0.028	0.00
4	1.34	-16.06	-0.152	0.00
5	1.74	6.00	0.057	0.00

## Verifiche fessurazione

Simbologia adottata ed unità di misura

$N^{\circ}$  Indice sezione

$X_i$  Ascissa/Ordinata sezione, espresso in m

$M_p$  Momento, espresse in kNm

$M_n$  Momento, espresse in kNm

$w_k$  Ampiezza fessure, espresse in mm

$w_{lim}$  Apertura limite fessure, espresse in mm

$s$  Distanza media tra le fessure, espresse in mm

$\epsilon_{sm}$  Deformazione nelle fessure, espresse in [%]

### Verifica fessurazione fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

$N^{\circ}$	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-1.20	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 19 - SLE (Quasi Permanente)]

$N^{\circ}$	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	1.31	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000

### Verifica fessurazione fondazione [Combinazione n° 20 - SLE (Frequente)]

$N^{\circ}$	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.20	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.72	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.68	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.31	0.00	0.30	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 20 - SLE (Frequente)]

$N^{\circ}$	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	11.69	-11.69	-5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.81	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.83	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	1.61	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.31	0.00	0.30	0.00	0.000000

### Verifica fessurazione fondazione [Combinazione n° 21 - SLE (Frequente)]

$N^{\circ}$	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	3.69	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.70	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.97	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-5.18	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	4.30	0.00	0.30	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 21 - SLE (Frequente)]

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-3.69	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	7.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	9.60	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	5.14	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-4.30	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 22 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	4.77	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.99	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.53	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-6.63	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	5.59	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 22 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-4.77	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	9.13	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	11.86	0.09	100.00	142.87	0.000038
4	1.34	5.65	5.65	11.69	-11.69	6.19	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-5.59	0.00	100.00	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 23 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	3.16	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.39	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.73	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-7.03	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	3.98	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 23 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-3.16	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	11.94	0.09	100.00	142.87	0.000035
3	0.91	5.65	5.65	11.69	-11.69	14.88	0.18	100.00	142.87	0.000072
4	1.34	5.65	5.65	11.69	-11.69	9.01	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-3.98	0.00	100.00	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-1.20	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-0.63	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	1.23	0.00	0.20	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
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1	0.08	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	1.31	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	0.55	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-1.23	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	7.71	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.70	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.48	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.18	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	8.32	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-7.71	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.29	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.05	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-1.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-8.32	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.20	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.72	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.68	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.31	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-5.70	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.81	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.83	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	1.61	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.31	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 27 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	11.21	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.39	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.73	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-5.03	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	12.03	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 27 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-11.21	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	-2.15	0.00	100.00	0.00	0.000000

Elaborato

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3	0.91	5.65	5.65	11.69	-11.69	-0.22	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-5.08	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-12.03	0.08	100.00	185.31	0.000026

**Verifica fessurazione fondazione [Combinazione n° 28 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	9.60	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-0.79	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.93	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-5.43	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	10.42	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 28 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-9.60	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	0.67	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.80	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-2.26	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-10.42	0.00	100.00	0.00	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Inviluppo spostamenti nodali

Inviluppo spostamenti fondazione

X [m]	$u_{xmin}$ [cm]	$u_{xmax}$ [cm]	$u_{ymin}$ [cm]	$u_{ymax}$ [cm]
0.08	-0.0025	3.2701	0.8666	4.1078
0.48	-0.0002	2.2291	0.9808	4.6810
0.91	0.0000	2.0592	1.1010	5.2947
1.34	0.0001	2.2333	1.1139	5.9227
1.74	0.0013	3.3100	1.1151	6.5336

Inviluppo spostamenti traverso

X [m]	$u_{xmin}$ [cm]	$u_{xmax}$ [cm]	$u_{ymin}$ [cm]	$u_{ymax}$ [cm]
0.08	-0.0025	3.2701	0.8666	4.1078
0.48	-0.0003	4.3361	0.9823	4.7295
0.91	0.0000	4.4996	1.1038	5.3634
1.34	0.0002	4.3384	1.1163	5.9727
1.74	0.0013	3.3100	1.1151	6.5336

Inviluppo sollecitazioni nodali

Inviluppo sollecitazioni fondazione

X [m]	$M_{min}$ [kNm]	$M_{max}$ [kNm]	$V_{min}$ [kN]	$V_{max}$ [kN]	$N_{min}$ [kN]	$N_{max}$ [kN]
0.08	-16.24	-0.36	-1.63	11.10	14.36	89.49
0.48	-0.24	3.30	-28.03	-0.84	14.42	75.70
0.91	0.27	11.02	-8.45	0.23	13.90	62.67
1.34	0.39	10.26	-0.30	20.40	15.02	68.44
1.74	-17.46	-0.59	0.52	16.02	15.06	90.31

Inviluppo sollecitazioni traverso

X [m]	$M_{min}$ [kNm]	$M_{max}$ [kNm]	$V_{min}$ [kN]	$V_{max}$ [kN]	$N_{min}$ [kN]	$N_{max}$ [kN]
0.08	-16.24	-0.36	0.12	15.48	14.34	89.15
0.48	-3.49	17.66	1.39	22.24	8.34	47.52
0.91	-0.91	21.73	-4.66	0.23	6.02	38.49
1.34	-7.88	13.26	-28.27	-1.74	8.48	55.64
1.74	-17.46	-0.59	-1.15	11.59	15.07	90.68

Inviluppo pressioni terreno

Inviluppo pressioni sul terreno di fondazione

X [m]	$\sigma_{min}$ [MPa]	$\sigma_{max}$ [MPa]
0.08	0.021	0.099
0.48	0.024	0.112
0.91	0.026	0.127
1.34	0.027	0.142
1.74	0.027	0.157

Inviluppo verifiche stato limite ultimo (SLU)

Verifica sezioni fondazione (Inviluppo)

Base sezione B = 100 cm  
 Altezza sezione H = 16.00 cm



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X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.40
0.48	5.65	5.65	12.01
0.91	5.65	5.65	3.27
1.34	5.65	5.65	3.45
1.74	5.65	5.65	2.22

X	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
0.08	73.75	0.00	0.00	0.00
0.48	73.88	0.00	0.00	0.00
0.91	73.76	0.00	0.00	0.00
1.34	73.79	0.00	0.00	0.00
1.74	73.75	0.00	0.00	0.00

**Verifica sezioni trasverso (Inviluppo)**

Base sezione B = 100 cm  
 Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.38
0.48	5.65	5.65	1.56
0.91	5.65	5.65	1.39
1.34	5.65	5.65	2.02
1.74	5.65	5.65	2.02

X	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
0.08	64.18	0.00	0.00	0.00
0.48	63.31	0.00	0.00	0.00
0.91	62.99	0.00	0.00	0.00
1.34	63.29	0.00	0.00	0.00
1.74	64.18	0.00	0.00	0.00

## Verifiche geotecniche

### Simbologia adottata

IC Indice della combinazione

$N_c, N_q, N_\gamma$  Fattori di capacità portante

$N_c, N_q, N_\gamma$  Fattori di capacità portante corretti per effetto forma, inclinazione del carico, affondamento, etc.

$q_u$  Portanza ultima del terreno, espressa in [MPa]

$Q_v$  Portanza ultima del terreno, espressa in [kN]/m

$Q_v$  Carico verticale al piano di posa, espressa in [kN]/m

FS Fattore di sicurezza a carico limite

IC	$N_c$	$N_q$	$N_\gamma$	$N'_c$	$N'_q$	$N'_\gamma$	$q_u$	$Q_U$	$Q_V$	FS
1	16.88	7.82	4.07	24.17	9.49	4.93	0.624	1135.49	52.75	21.53
2	13.03	5.21	1.97	18.20	6.24	2.36	0.389	708.88	40.58	17.47
3	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
4	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
5	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
6	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
7	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
8	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
9	16.88	7.82	4.07	19.32	7.69	1.84	0.414	753.72	193.11	3.90
10	13.03	5.21	1.97	14.19	4.91	0.50	0.245	446.16	162.22	2.75
11	16.88	7.82	4.07	21.38	8.50	3.18	0.497	904.27	40.13	22.53
12	16.88	7.82	4.07	21.42	8.52	3.21	0.499	908.55	41.02	22.15
13	13.03	5.21	1.97	15.91	5.51	1.23	0.301	547.17	41.02	13.34
14	13.03	5.21	1.97	15.87	5.50	1.21	0.299	544.13	40.13	13.56
15	16.88	7.82	4.07	21.38	8.50	3.18	0.497	904.27	40.13	22.53
16	16.88	7.82	4.07	21.42	8.52	3.21	0.499	908.55	41.02	22.15
17	13.03	5.21	1.97	15.91	5.51	1.23	0.301	547.17	41.02	13.34
18	13.03	5.21	1.97	15.87	5.50	1.21	0.299	544.13	40.13	13.56

## Schema Strutturale

### Area ed Inerzia elementi

Destinazione	Area [cmq]	Inerzia [cm <sup>4</sup> ]
Fondazione	1600.00	34133.33
Piedritto sinistro	9000.00	6075000.00
Piedritto destro	9000.00	6075000.00
Traverso	1600.00	34133.33

### Simbologia adottata ed unità di misura

*N* indice elemento  
*N<sub>i</sub>* indice nodo iniziale elemento  
*N<sub>f</sub>* indice nodo finale elemento  
(*X<sub>i</sub>*, *Y<sub>i</sub>*) coordinate nodo iniziale, espresse in cm  
(*X<sub>f</sub>*, *Y<sub>f</sub>*) coordinate nodo finale, espresse in cm  
*Dest* appartenenza elemento

N	N <sub>i</sub>	N <sub>f</sub>	X <sub>i</sub>	Y <sub>i</sub>	X <sub>f</sub>	Y <sub>f</sub>	Dest
1	1	4	8.00	91.00	8.10	86.93	PiedR
2	4	10	8.10	86.93	8.40	82.86	PiedR
3	10	16	8.40	82.86	8.90	78.82	PiedR
4	16	22	8.90	78.82	9.59	74.81	PiedR
5	22	28	9.59	74.81	10.49	70.83	PiedR
6	28	34	10.49	70.83	11.57	66.91	PiedR
7	34	40	11.57	66.91	12.85	63.04	PiedR
8	40	46	12.85	63.04	14.32	59.24	PiedR
9	46	52	14.32	59.24	15.97	55.51	PiedR
10	52	58	15.97	55.51	17.80	51.87	PiedR
11	58	64	17.80	51.87	19.81	48.33	PiedR
12	64	70	19.81	48.33	21.99	44.89	PiedR
13	70	76	21.99	44.89	24.33	41.56	PiedR
14	76	82	24.33	41.56	26.84	38.35	PiedR
15	82	88	26.84	38.35	29.50	35.26	PiedR
16	88	94	29.50	35.26	32.31	32.31	PiedR
17	94	100	32.31	32.31	35.26	29.50	PiedR
18	100	106	35.26	29.50	38.35	26.84	PiedR
19	106	112	38.35	26.84	41.56	24.33	PiedR
20	112	118	41.56	24.33	44.89	21.99	PiedR
21	118	124	44.89	21.99	48.33	19.81	PiedR
22	124	130	48.33	19.81	51.87	17.80	PiedR
23	130	136	51.87	17.80	55.51	15.97	PiedR
24	136	142	55.51	15.97	59.24	14.32	PiedR
25	142	148	59.24	14.32	63.04	12.85	PiedR
26	148	154	63.04	12.85	66.91	11.57	PiedR
27	154	160	66.91	11.57	70.83	10.49	PiedR
28	160	166	70.83	10.49	74.81	9.59	PiedR
29	166	172	74.81	9.59	78.82	8.90	PiedR
30	172	178	78.82	8.90	82.86	8.40	PiedR
31	178	184	82.86	8.40	86.93	8.10	PiedR
32	184	190	86.93	8.10	91.00	8.00	PiedR
33	190	196	91.00	8.00	95.07	8.10	PiedR
34	196	202	95.07	8.10	99.14	8.40	PiedR
35	202	208	99.14	8.40	103.18	8.90	PiedR
36	208	214	103.18	8.90	107.19	9.59	PiedR
37	214	220	107.19	9.59	111.17	10.49	PiedR
38	220	226	111.17	10.49	115.09	11.57	PiedR
39	226	232	115.09	11.57	118.96	12.85	PiedR
40	232	238	118.96	12.85	122.76	14.32	PiedR
41	238	244	122.76	14.32	126.49	15.97	PiedR
42	244	250	126.49	15.97	130.13	17.80	PiedR
43	250	256	130.13	17.80	133.67	19.81	PiedR
44	256	262	133.67	19.81	137.11	21.99	PiedR
45	262	268	137.11	21.99	140.44	24.33	PiedR
46	268	274	140.44	24.33	143.65	26.84	PiedR
47	274	280	143.65	26.84	146.74	29.50	PiedR
48	280	286	146.74	29.50	149.69	32.31	PiedR
49	286	292	149.69	32.31	152.50	35.26	PiedR

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

50	292	298	152.50	35.26	155.16	38.35	PiedR
51	298	304	155.16	38.35	157.67	41.56	PiedR
52	304	310	157.67	41.56	160.01	44.89	PiedR
53	310	316	160.01	44.89	162.19	48.33	PiedR
54	316	322	162.19	48.33	164.20	51.87	PiedR
55	322	328	164.20	51.87	166.03	55.51	PiedR
56	328	334	166.03	55.51	167.68	59.24	PiedR
57	334	340	167.68	59.24	169.15	63.04	PiedR
58	340	346	169.15	63.04	170.43	66.91	PiedR
59	346	352	170.43	66.91	171.51	70.83	PiedR
60	352	358	171.51	70.83	172.41	74.81	PiedR
61	358	364	172.41	74.81	173.10	78.82	PiedR
62	364	370	173.10	78.82	173.60	82.86	PiedR
63	370	376	173.60	82.86	173.90	86.93	PiedR
64	376	382	173.90	86.93	174.00	91.00	PiedR
65	1	7	8.00	91.00	8.10	95.07	Trav
66	7	13	8.10	95.07	8.40	99.14	Trav
67	13	19	8.40	99.14	8.90	103.18	Trav
68	19	25	8.90	103.18	9.59	107.19	Trav
69	25	31	9.59	107.19	10.49	111.17	Trav
70	31	37	10.49	111.17	11.57	115.09	Trav
71	37	43	11.57	115.09	12.85	118.96	Trav
72	43	49	12.85	118.96	14.32	122.76	Trav
73	49	55	14.32	122.76	15.97	126.49	Trav
74	55	61	15.97	126.49	17.80	130.13	Trav
75	61	67	17.80	130.13	19.81	133.67	Trav
76	67	73	19.81	133.67	21.99	137.11	Trav
77	73	79	21.99	137.11	24.33	140.44	Trav
78	79	85	24.33	140.44	26.84	143.65	Trav
79	85	91	26.84	143.65	29.50	146.74	Trav
80	91	97	29.50	146.74	32.31	149.69	Trav
81	97	103	32.31	149.69	35.26	152.50	Trav
82	103	109	35.26	152.50	38.35	155.16	Trav
83	109	115	38.35	155.16	41.56	157.67	Trav
84	115	121	41.56	157.67	44.89	160.01	Trav
85	121	127	44.89	160.01	48.33	162.19	Trav
86	127	133	48.33	162.19	51.87	164.20	Trav
87	133	139	51.87	164.20	55.51	166.03	Trav
88	139	145	55.51	166.03	59.24	167.68	Trav
89	145	151	59.24	167.68	63.04	169.15	Trav
90	151	157	63.04	169.15	66.91	170.43	Trav
91	157	163	66.91	170.43	70.83	171.51	Trav
92	163	169	70.83	171.51	74.81	172.41	Trav
93	169	175	74.81	172.41	78.82	173.10	Trav
94	175	181	78.82	173.10	82.86	173.60	Trav
95	181	187	82.86	173.60	86.93	173.90	Trav
96	187	193	86.93	173.90	91.00	174.00	Trav
97	193	199	91.00	174.00	95.07	173.90	Trav
98	199	205	95.07	173.90	99.14	173.60	Trav
99	205	211	99.14	173.60	103.18	173.10	Trav
100	211	217	103.18	173.10	107.19	172.41	Trav
101	217	223	107.19	172.41	111.17	171.51	Trav
102	223	229	111.17	171.51	115.09	170.43	Trav
103	229	235	115.09	170.43	118.96	169.15	Trav
104	235	241	118.96	169.15	122.76	167.68	Trav
105	241	247	122.76	167.68	126.49	166.03	Trav
106	247	253	126.49	166.03	130.13	164.20	Trav
107	253	259	130.13	164.20	133.67	162.19	Trav
108	259	265	133.67	162.19	137.11	160.01	Trav
109	265	271	137.11	160.01	140.44	157.67	Trav
110	271	277	140.44	157.67	143.65	155.16	Trav
111	277	283	143.65	155.16	146.74	152.50	Trav
112	283	289	146.74	152.50	149.69	149.69	Trav
113	289	295	149.69	149.69	152.50	146.74	Trav
114	295	301	152.50	146.74	155.16	143.65	Trav
115	301	307	155.16	143.65	157.67	140.44	Trav
116	307	313	157.67	140.44	160.01	137.11	Trav
117	313	319	160.01	137.11	162.19	133.67	Trav
118	319	325	162.19	133.67	164.20	130.13	Trav

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119	325	331	164.20	130.13	166.03	126.49	Trav
120	331	337	166.03	126.49	167.68	122.76	Trav
121	337	343	167.68	122.76	169.15	118.96	Trav
122	343	349	169.15	118.96	170.43	115.09	Trav
123	349	355	170.43	115.09	171.51	111.17	Trav
124	355	361	171.51	111.17	172.41	107.19	Trav
125	361	367	172.41	107.19	173.10	103.18	Trav
126	367	373	173.10	103.18	173.60	99.14	Trav
127	373	379	173.60	99.14	173.90	95.07	Trav
128	379	382	173.90	95.07	174.00	91.00	Trav
129	1	2	8.00	91.00	-92.00	91.00	MollaPR
130	1	3	8.00	91.00	8.00	-9.00	MollaPR
131	4	5	8.10	86.93	-91.90	86.93	MollaPR
132	4	6	8.10	86.93	8.10	-13.07	MollaPR
133	7	8	8.10	95.07	-91.90	95.07	MollaPR
134	7	9	8.10	95.07	8.10	195.07	MollaPR
135	10	11	8.40	82.86	-91.60	82.86	MollaPR
136	10	12	8.40	82.86	8.40	-17.14	MollaPR
137	13	14	8.40	99.14	-91.60	99.14	MollaPR
138	13	15	8.40	99.14	8.40	199.14	MollaPR
139	16	17	8.90	78.82	-91.10	78.82	MollaPR
140	16	18	8.90	78.82	8.90	-21.18	MollaPR
141	19	20	8.90	103.18	-91.10	103.18	MollaPR
142	19	21	8.90	103.18	8.90	203.18	MollaPR
143	22	23	9.59	74.81	-90.41	74.81	MollaPR
144	22	24	9.59	74.81	9.59	-25.19	MollaPR
145	25	26	9.59	107.19	-90.41	107.19	MollaPR
146	25	27	9.59	107.19	9.59	207.19	MollaPR
147	28	29	10.49	70.83	-89.51	70.83	MollaPR
148	28	30	10.49	70.83	10.49	-29.17	MollaPR
149	31	32	10.49	111.17	-89.51	111.17	MollaPR
150	31	33	10.49	111.17	10.49	211.17	MollaPR
151	34	35	11.57	66.91	-88.43	66.91	MollaPR
152	34	36	11.57	66.91	11.57	-33.09	MollaPR
153	37	38	11.57	115.09	-88.43	115.09	MollaPR
154	37	39	11.57	115.09	11.57	215.09	MollaPR
155	40	41	12.85	63.04	-87.15	63.04	MollaPR
156	40	42	12.85	63.04	12.85	-36.96	MollaPR
157	43	44	12.85	118.96	-87.15	118.96	MollaPR
158	43	45	12.85	118.96	12.85	218.96	MollaPR
159	46	47	14.32	59.24	-85.68	59.24	MollaPR
160	46	48	14.32	59.24	14.32	-40.76	MollaPR
161	49	50	14.32	122.76	-85.68	122.76	MollaPR
162	49	51	14.32	122.76	14.32	222.76	MollaPR
163	52	53	15.97	55.51	-84.03	55.51	MollaPR
164	52	54	15.97	55.51	15.97	-44.49	MollaPR
165	55	56	15.97	126.49	-84.03	126.49	MollaPR
166	55	57	15.97	126.49	15.97	226.49	MollaPR
167	58	59	17.80	51.87	-82.20	51.87	MollaPR
168	58	60	17.80	51.87	17.80	-48.13	MollaPR
169	61	62	17.80	130.13	-82.20	130.13	MollaPR
170	61	63	17.80	130.13	17.80	230.13	MollaPR
171	64	65	19.81	48.33	-80.19	48.33	MollaPR
172	64	66	19.81	48.33	19.81	-51.67	MollaPR
173	67	68	19.81	133.67	-80.19	133.67	MollaPR
174	67	69	19.81	133.67	19.81	233.67	MollaPR
175	70	71	21.99	44.89	-78.01	44.89	MollaPR
176	70	72	21.99	44.89	21.99	-55.11	MollaPR
177	73	74	21.99	137.11	-78.01	137.11	MollaPR
178	73	75	21.99	137.11	21.99	237.11	MollaPR
179	76	77	24.33	41.56	-75.67	41.56	MollaPR
180	76	78	24.33	41.56	24.33	-58.44	MollaPR
181	79	80	24.33	140.44	-75.67	140.44	MollaPR
182	79	81	24.33	140.44	24.33	240.44	MollaPR
183	82	83	26.84	38.35	-73.16	38.35	MollaPR
184	82	84	26.84	38.35	26.84	-61.65	MollaPR
185	85	86	26.84	143.65	-73.16	143.65	MollaPR
186	85	87	26.84	143.65	26.84	243.65	MollaPR
187	88	89	29.50	35.26	-70.50	35.26	MollaPR

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188	88	90	29.50	35.26	29.50	-64.74	MollaPR
189	91	92	29.50	146.74	-70.50	146.74	MollaPR
190	91	93	29.50	146.74	29.50	246.74	MollaPR
191	94	95	32.31	32.31	-67.69	32.31	MollaPR
192	94	96	32.31	32.31	32.31	-67.69	MollaPR
193	97	98	32.31	149.69	-67.69	149.69	MollaPR
194	97	99	32.31	149.69	32.31	249.69	MollaPR
195	100	101	35.26	29.50	-64.74	29.50	MollaPR
196	100	102	35.26	29.50	35.26	-70.50	MollaPR
197	103	104	35.26	152.50	-64.74	152.50	MollaPR
198	103	105	35.26	152.50	35.26	252.50	MollaPR
199	106	107	38.35	26.84	-61.65	26.84	MollaPR
200	106	108	38.35	26.84	38.35	-73.16	MollaPR
201	109	110	38.35	155.16	-61.65	155.16	MollaPR
202	109	111	38.35	155.16	38.35	255.16	MollaPR
203	112	113	41.56	24.33	-58.44	24.33	MollaPR
204	112	114	41.56	24.33	41.56	-75.67	MollaPR
205	115	116	41.56	157.67	-58.44	157.67	MollaPR
206	115	117	41.56	157.67	41.56	257.67	MollaPR
207	118	119	44.89	21.99	-55.11	21.99	MollaPR
208	118	120	44.89	21.99	44.89	-78.01	MollaPR
209	121	122	44.89	160.01	-55.11	160.01	MollaPR
210	121	123	44.89	160.01	44.89	260.01	MollaPR
211	124	125	48.33	19.81	-51.67	19.81	MollaPR
212	124	126	48.33	19.81	48.33	-80.19	MollaPR
213	127	128	48.33	162.19	-51.67	162.19	MollaPR
214	127	129	48.33	162.19	48.33	262.19	MollaPR
215	130	131	51.87	17.80	-48.13	17.80	MollaPR
216	130	132	51.87	17.80	51.87	-82.20	MollaPR
217	133	134	51.87	164.20	-48.13	164.20	MollaPR
218	133	135	51.87	164.20	51.87	264.20	MollaPR
219	136	137	55.51	15.97	-44.49	15.97	MollaPR
220	136	138	55.51	15.97	55.51	-84.03	MollaPR
221	139	140	55.51	166.03	-44.49	166.03	MollaPR
222	139	141	55.51	166.03	55.51	266.03	MollaPR
223	142	143	59.24	14.32	-40.76	14.32	MollaPR
224	142	144	59.24	14.32	59.24	-85.68	MollaPR
225	145	146	59.24	167.68	-40.76	167.68	MollaPR
226	145	147	59.24	167.68	59.24	267.68	MollaPR
227	148	149	63.04	12.85	-36.96	12.85	MollaPR
228	148	150	63.04	12.85	63.04	-87.15	MollaPR
229	151	152	63.04	169.15	-36.96	169.15	MollaPR
230	151	153	63.04	169.15	63.04	269.15	MollaPR
231	154	155	66.91	11.57	-33.09	11.57	MollaPR
232	154	156	66.91	11.57	66.91	-88.43	MollaPR
233	157	158	66.91	170.43	-33.09	170.43	MollaPR
234	157	159	66.91	170.43	66.91	270.43	MollaPR
235	160	161	70.83	10.49	-29.17	10.49	MollaPR
236	160	162	70.83	10.49	70.83	-89.51	MollaPR
237	163	164	70.83	171.51	-29.17	171.51	MollaPR
238	163	165	70.83	171.51	70.83	271.51	MollaPR
239	166	167	74.81	9.59	-25.19	9.59	MollaPR
240	166	168	74.81	9.59	74.81	-90.41	MollaPR
241	169	170	74.81	172.41	-25.19	172.41	MollaPR
242	169	171	74.81	172.41	74.81	272.41	MollaPR
243	172	173	78.82	8.90	-21.18	8.90	MollaPR
244	172	174	78.82	8.90	78.82	-91.10	MollaPR
245	175	176	78.82	173.10	-21.18	173.10	MollaPR
246	175	177	78.82	173.10	78.82	273.10	MollaPR
247	178	179	82.86	8.40	-17.14	8.40	MollaPR
248	178	180	82.86	8.40	82.86	-91.60	MollaPR
249	181	182	82.86	173.60	-17.14	173.60	MollaPR
250	181	183	82.86	173.60	82.86	273.60	MollaPR
251	184	185	86.93	8.10	-13.07	8.10	MollaPR
252	184	186	86.93	8.10	86.93	-91.90	MollaPR
253	187	188	86.93	173.90	-13.07	173.90	MollaPR
254	187	189	86.93	173.90	86.93	273.90	MollaPR
255	190	191	91.00	8.00	91.00	8.00	MollaPR
256	190	192	91.00	8.00	91.00	-92.00	MollaPR

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

257	193	194	91.00	174.00	191.00	174.00	MollaPR
258	193	195	91.00	174.00	91.00	274.00	MollaPR
259	196	197	95.07	8.10	195.07	8.10	MollaPR
260	196	198	95.07	8.10	95.07	-91.90	MollaPR
261	199	200	95.07	173.90	195.07	173.90	MollaPR
262	199	201	95.07	173.90	95.07	273.90	MollaPR
263	202	203	99.14	8.40	199.14	8.40	MollaPR
264	202	204	99.14	8.40	99.14	-91.60	MollaPR
265	205	206	99.14	173.60	199.14	173.60	MollaPR
266	205	207	99.14	173.60	99.14	273.60	MollaPR
267	208	209	103.18	8.90	203.18	8.90	MollaPR
268	208	210	103.18	8.90	103.18	-91.10	MollaPR
269	211	212	103.18	173.10	203.18	173.10	MollaPR
270	211	213	103.18	173.10	103.18	273.10	MollaPR
271	214	215	107.19	9.59	207.19	9.59	MollaPR
272	214	216	107.19	9.59	107.19	-90.41	MollaPR
273	217	218	107.19	172.41	207.19	172.41	MollaPR
274	217	219	107.19	172.41	107.19	272.41	MollaPR
275	220	221	111.17	10.49	211.17	10.49	MollaPR
276	220	222	111.17	10.49	111.17	-89.51	MollaPR
277	223	224	111.17	171.51	211.17	171.51	MollaPR
278	223	225	111.17	171.51	111.17	271.51	MollaPR
279	226	227	115.09	11.57	215.09	11.57	MollaPR
280	226	228	115.09	11.57	115.09	-88.43	MollaPR
281	229	230	115.09	170.43	215.09	170.43	MollaPR
282	229	231	115.09	170.43	115.09	270.43	MollaPR
283	232	233	118.96	12.85	218.96	12.85	MollaPR
284	232	234	118.96	12.85	118.96	-87.15	MollaPR
285	235	236	118.96	169.15	218.96	169.15	MollaPR
286	235	237	118.96	169.15	118.96	269.15	MollaPR
287	238	239	122.76	14.32	222.76	14.32	MollaPR
288	238	240	122.76	14.32	122.76	-85.68	MollaPR
289	241	242	122.76	167.68	222.76	167.68	MollaPR
290	241	243	122.76	167.68	122.76	267.68	MollaPR
291	244	245	126.49	15.97	226.49	15.97	MollaPR
292	244	246	126.49	15.97	126.49	-84.03	MollaPR
293	247	248	126.49	166.03	226.49	166.03	MollaPR
294	247	249	126.49	166.03	126.49	266.03	MollaPR
295	250	251	130.13	17.80	230.13	17.80	MollaPR
296	250	252	130.13	17.80	130.13	-82.20	MollaPR
297	253	254	130.13	164.20	230.13	164.20	MollaPR
298	253	255	130.13	164.20	130.13	264.20	MollaPR
299	256	257	133.67	19.81	233.67	19.81	MollaPR
300	256	258	133.67	19.81	133.67	-80.19	MollaPR
301	259	260	133.67	162.19	233.67	162.19	MollaPR
302	259	261	133.67	162.19	133.67	262.19	MollaPR
303	262	263	137.11	21.99	237.11	21.99	MollaPR
304	262	264	137.11	21.99	137.11	-78.01	MollaPR
305	265	266	137.11	160.01	237.11	160.01	MollaPR
306	265	267	137.11	160.01	137.11	260.01	MollaPR
307	268	269	140.44	24.33	240.44	24.33	MollaPR
308	268	270	140.44	24.33	140.44	-75.67	MollaPR
309	271	272	140.44	157.67	240.44	157.67	MollaPR
310	271	273	140.44	157.67	140.44	257.67	MollaPR
311	274	275	143.65	26.84	243.65	26.84	MollaPR
312	274	276	143.65	26.84	143.65	-73.16	MollaPR
313	277	278	143.65	155.16	243.65	155.16	MollaPR
314	277	279	143.65	155.16	143.65	255.16	MollaPR
315	280	281	146.74	29.50	246.74	29.50	MollaPR
316	280	282	146.74	29.50	146.74	-70.50	MollaPR
317	283	284	146.74	152.50	246.74	152.50	MollaPR
318	283	285	146.74	152.50	146.74	252.50	MollaPR
319	286	287	149.69	32.31	249.69	32.31	MollaPR
320	286	288	149.69	32.31	149.69	-67.69	MollaPR
321	289	290	149.69	149.69	249.69	149.69	MollaPR
322	289	291	149.69	149.69	149.69	249.69	MollaPR
323	292	293	152.50	35.26	252.50	35.26	MollaPR
324	292	294	152.50	35.26	152.50	-64.74	MollaPR
325	295	296	152.50	146.74	252.50	146.74	MollaPR

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

326	295	297	152.50	146.74	152.50	246.74	MollaPR
327	298	299	155.16	38.35	255.16	38.35	MollaPR
328	298	300	155.16	38.35	155.16	-61.65	MollaPR
329	301	302	155.16	143.65	255.16	143.65	MollaPR
330	301	303	155.16	143.65	155.16	243.65	MollaPR
331	304	305	157.67	41.56	257.67	41.56	MollaPR
332	304	306	157.67	41.56	157.67	-58.44	MollaPR
333	307	308	157.67	140.44	257.67	140.44	MollaPR
334	307	309	157.67	140.44	157.67	240.44	MollaPR
335	310	311	160.01	44.89	260.01	44.89	MollaPR
336	310	312	160.01	44.89	160.01	-55.11	MollaPR
337	313	314	160.01	137.11	260.01	137.11	MollaPR
338	313	315	160.01	137.11	160.01	237.11	MollaPR
339	316	317	162.19	48.33	262.19	48.33	MollaPR
340	316	318	162.19	48.33	162.19	-51.67	MollaPR
341	319	320	162.19	133.67	262.19	133.67	MollaPR
342	319	321	162.19	133.67	162.19	233.67	MollaPR
343	322	323	164.20	51.87	264.20	51.87	MollaPR
344	322	324	164.20	51.87	164.20	-48.13	MollaPR
345	325	326	164.20	130.13	264.20	130.13	MollaPR
346	325	327	164.20	130.13	164.20	230.13	MollaPR
347	328	329	166.03	55.51	266.03	55.51	MollaPR
348	328	330	166.03	55.51	166.03	-44.49	MollaPR
349	331	332	166.03	126.49	266.03	126.49	MollaPR
350	331	333	166.03	126.49	166.03	226.49	MollaPR
351	334	335	167.68	59.24	267.68	59.24	MollaPR
352	334	336	167.68	59.24	167.68	-40.76	MollaPR
353	337	338	167.68	122.76	267.68	122.76	MollaPR
354	337	339	167.68	122.76	167.68	222.76	MollaPR
355	340	341	169.15	63.04	269.15	63.04	MollaPR
356	340	342	169.15	63.04	169.15	-36.96	MollaPR
357	343	344	169.15	118.96	269.15	118.96	MollaPR
358	343	345	169.15	118.96	169.15	218.96	MollaPR
359	346	347	170.43	66.91	270.43	66.91	MollaPR
360	346	348	170.43	66.91	170.43	-33.09	MollaPR
361	349	350	170.43	115.09	270.43	115.09	MollaPR
362	349	351	170.43	115.09	170.43	215.09	MollaPR
363	352	353	171.51	70.83	271.51	70.83	MollaPR
364	352	354	171.51	70.83	171.51	-29.17	MollaPR
365	355	356	171.51	111.17	271.51	111.17	MollaPR
366	355	357	171.51	111.17	171.51	211.17	MollaPR
367	358	359	172.41	74.81	272.41	74.81	MollaPR
368	358	360	172.41	74.81	172.41	-25.19	MollaPR
369	361	362	172.41	107.19	272.41	107.19	MollaPR
370	361	363	172.41	107.19	172.41	207.19	MollaPR
371	364	365	173.10	78.82	273.10	78.82	MollaPR
372	364	366	173.10	78.82	173.10	-21.18	MollaPR
373	367	368	173.10	103.18	273.10	103.18	MollaPR
374	367	369	173.10	103.18	173.10	203.18	MollaPR
375	370	371	173.60	82.86	273.60	82.86	MollaPR
376	370	372	173.60	82.86	173.60	-17.14	MollaPR
377	373	374	173.60	99.14	273.60	99.14	MollaPR
378	373	375	173.60	99.14	173.60	199.14	MollaPR
379	376	377	173.90	86.93	273.90	86.93	MollaPR
380	376	378	173.90	86.93	173.90	-13.07	MollaPR
381	379	380	173.90	95.07	273.90	95.07	MollaPR
382	379	381	173.90	95.07	173.90	195.07	MollaPR
383	382	383	174.00	91.00	274.00	91.00	MollaPR
384	382	384	174.00	91.00	174.00	-9.00	MollaPR



**TABULATI DI INPUT E OUTPUT TOMBINO  $\Phi 1500$  (RICOPR. = 3.50 M)**

**Calcolo del carico sulla calotta**

**Pressione Geostatica**

In questo caso la pressione in calotta viene calcolata come prodotto tra il peso di volume del terreno per l'altezza del ricoprimento (Spessore dello strato di terreno superiore). Quindi la pressione in calotta è fornita dalla seguente relazione:

$$P_v = \gamma H$$

Se sul profilo del piano campagna sono presenti dei sovraccarichi, concentrati e/o distribuiti, la diffusione di questi nel terreno avviene secondo un angolo, rispetto alla verticale, pari a 35.00°.

**Spinta sui piedritti**

**Spinta attiva - Metodo di Coulomb**

La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte della parete che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare Coulomb ammette, al contrario della teoria di Rankine, l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume  $\gamma$ , su una parete di altezza  $H$ , risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente)

$$S = 1/2 \gamma H^2 K_a$$

$K_a$  rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come

$$K_a = \frac{\sin(\alpha + \phi)}{\sin^2 \alpha \sin(\alpha - \delta) \left[ 1 + \frac{\sqrt{[\sin(\phi + \delta) \sin(\phi - \beta)]}}{\sqrt{[\sin(\alpha - \delta) \sin(\alpha + \beta)]}} \right]^2}$$

dove  $\phi$  è l'angolo d'attrito del terreno,  $\alpha$  rappresenta l'angolo che la parete forma con l'orizzontale ( $\alpha = 90^\circ$  per parete verticale),  $\delta$  è l'angolo d'attrito terreno-parete,  $\beta$  è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-parete  $\delta$  rispetto alla normale alla parete.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto. Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ( $1/3 H$  rispetto alla base della parete). L'espressione di  $K_a$  perde di significato per  $\beta > \phi$ . Questo coincide con quanto si intuisce fisicamente: la pendenza del terreno a monte della parete non può superare l'angolo di natural declivio del terreno stesso.

Nel caso di terreno dotato di attrito e coesione  $c$  l'espressione della pressione del terreno ad una generica profondità  $z$  vale

$$\sigma_a = \gamma z K_a - 2 c \sqrt{K_a}$$

**Spinta in presenza di falda**

Nel caso in cui a monte della parete sia presente la falda il diagramma delle pressioni sulla parete risulta modificato a causa della sottospinta che l'acqua esercita sul terreno. Il peso di volume del terreno al di sopra della linea di falda non subisce variazioni. Viceversa al di sotto del livello di falda va considerato il peso di volume di galleggiamento

$$\gamma_a = \gamma_{sat} - \gamma_w$$

dove  $\gamma_{sat}$  è il peso di volume saturo del terreno (dipendente dall'indice dei pori) e  $\gamma_w$  è il peso di volume dell'acqua. Quindi il diagramma delle pressioni al di sotto della linea di falda ha una pendenza minore. Al diagramma così ottenuto va sommato il diagramma triangolare legato alla pressione idrostatica esercitata dall'acqua.

## Spinta a Riposo

Si assume che sui piedritti agisca la spinta calcolata in condizioni di riposo.  
Il coefficiente di spinta a riposo è espresso dalla relazione

$$K_0 = 1 - \sin\phi$$

dove  $\phi$  rappresenta l'angolo d'attrito interno del terreno di rinfianco.

Quindi la pressione laterale, ad una generica profondità  $z$  e la spinta totale sulla parete di altezza  $H$  valgono

$$\sigma = \gamma z K_0 + p_v K_0$$

$$S = 1/2 \gamma H^2 K_0 + p_v K_0 H$$

dove  $p_v$  è la pressione verticale agente in corrispondenza della calotta.

## Spinta in presenza di sisma - Formula di Wood

Spinta del terreno nel caso di strutture rigide.

Nel caso di strutture rigide completamente vincolate, in modo tale che non può svilupparsi nel terreno uno stato di spinta attiva, nonché nel caso di muri verticali con terrapieno a superficie orizzontale, l'incremento dinamico di spinta del terreno può essere calcolato come:

$$\Delta P_d = \alpha \gamma H^2$$

$$\alpha = a_g / g * S_s * \beta_m * S_t$$

$H$  è l'altezza sulla quale agisce la spinta. Il punto di applicazione va preso a metà altezza.

## Verifica al carico limite

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi dal muro sul terreno di fondazione deve essere superiore a  $\eta_q$ . Cioè, detto  $Q_u$ , il carico limite ed  $R$  la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

Si adotta per il calcolo del carico limite in fondazione il metodo di MEYERHOF.

L'espressione del carico ultimo è data dalla relazione:

$$Q_u = c N_c d_c i_c + q N_q d_q i_q + 0.5 \gamma B N_\gamma d_\gamma i_\gamma$$

In questa espressione

- $c$  coesione del terreno in fondazione;
- $\phi$  angolo di attrito del terreno in fondazione;
- $\gamma$  peso di volume del terreno in fondazione;
- $B$  larghezza della fondazione;
- $D$  profondità del piano di posa;
- $q$  pressione geostatica alla quota del piano di posa.

I vari fattori che compaiono nella formula sono dati da:

$$A = e^{\pi \operatorname{tg} \phi}$$

$$N_q = A \operatorname{tg}^2(45^\circ + \phi/2)$$

$$N_c = (N_q - 1) \operatorname{ctg} \phi$$

$$N_\gamma = (N_q - 1) \operatorname{tg} (1.4\phi)$$

Indichiamo con  $K_p$  il coefficiente di spinta passiva espresso da:

$$K_p = \operatorname{tg}^2(45^\circ + \phi/2)$$

I fattori  $d$  e  $i$  che compaiono nella formula sono rispettivamente i fattori di profondità ed i fattori di inclinazione del carico espressi dalle seguenti relazioni:

Fattori di profondità

$$d_q = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$$

$$d_q = d_\gamma = 1 \quad \text{per } \phi = 0$$

$$d_q = d_\gamma = 1 + 0.1 \frac{D}{B} \sqrt{K_p} \quad \text{per } \phi > 0$$

Fattori di inclinazione

Indicando con  $\theta$  l'angolo che la risultante dei carichi forma con la verticale ( espresso in gradi ) e con  $\phi$  l'angolo d'attrito del terreno di posa abbiamo:

$$i_c = i_q = (1 - \theta/90)^2$$

$$i_\gamma = \left(1 - \frac{\theta}{\phi}\right)^2 \quad \text{per } \phi > 0$$

$$i_\gamma = 0 \quad \text{per } \phi = 0$$

## Strategia di soluzione

A partire dal tipo di terreno, dalla geometria e dai sovraccarichi agenti il programma è in grado di conoscere tutti i carichi agenti sulla struttura per ogni combinazione di carico.

La struttura scatolare viene schematizzata come un telaio piano e viene risolta mediante il metodo degli elementi finiti (FEM). Più dettagliatamente il telaio viene discretizzato in una serie di elementi connessi fra di loro nei nodi.

Il terreno di rinfianco e di fondazione viene invece schematizzato con una serie di elementi molle non reagenti a trazione (modello di Winkler). L'area della singola molla è direttamente proporzionale alla costante di Winkler del terreno e all'area di influenza della molla stessa.

A partire dalla matrice di rigidezza del singolo elemento,  $K_e$ , si assembla la matrice di rigidezza di tutta la struttura  $K$ . Tutti i carichi agenti sulla struttura vengono trasformati in carichi nodali (reazioni di incastro perfetto) ed inseriti nel vettore dei carichi nodali  $p$ .

Indicando con  $u$  il vettore degli spostamenti nodali (incogniti), la relazione risolutiva può essere scritta nella forma

$$K u = p$$

Da questa equazione matriciale si ricavano gli spostamenti incogniti  $u$

$$u = K^{-1} p$$

Noti gli spostamenti nodali è possibile risalire alle sollecitazioni nei vari elementi.

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

La soluzione del sistema viene fatta per ogni combinazione di carico agente sullo scatolare. Il successivo calcolo delle armature nei vari elementi viene condotto tenendo conto delle condizioni più gravose che si possono verificare nelle sezioni fra tutte le combinazioni di carico.

## Geometria scatolare

Descrizione:	Scatolare circolare	
Diametro esterno verticale	1.82	[m]
Diametro esterno orizzontale	1.82	[m]
Spessore	0.16	[m]

## Caratteristiche strati terreno

### Strato di ricoprimento

Descrizione	Terreno di ricoprimento	
Spessore dello strato	3.50	[m]
Peso di volume	20.0000	[kN/mc]
Peso di volume saturo	21.0000	[kN/mc]
Angolo di attrito	35.00	[°]
Coesione	0.000	[MPa]

### Strato di rinfiacco

Descrizione	Terreno di rinfiacco	
Peso di volume	19.0000	[kN/mc]
Peso di volume saturo	20.0000	[kN/mc]
Angolo di attrito	22.00	[°]
Angolo di attrito terreno struttura	14.67	[°]
Coesione	0.004	[MPa]
Costante di Winkler	0.000	[MPa/cm]

### Strato di base

Descrizione	Terreno di base	
Peso di volume	19.0000	[kN/mc]
Peso di volume saturo	20.0000	[kN/mc]
Angolo di attrito	22.00	[°]
Angolo di attrito terreno struttura	22.00	[°]
Coesione	0.004	[MPa]
Costante di Winkler	0.024	[MPa/cm]
Tensione limite	6.000	[MPa]

## Caratteristiche materiali utilizzati

### Materiale calcestruzzo

R <sub>ck</sub> calcestruzzo	40.000	[MPa]
Peso specifico calcestruzzo	25.0000	[kN/mc]
Modulo elastico E	33149.080	[MPa]
Tensione di snervamento acciaio	450.000	[MPa]
Coeff. omogeneizzazione cls tesoro/compresso (n')	0.50	
Coeff. omogeneizzazione acciaio/cls (n)	15.00	
Coefficiente dilatazione termica	0.0000120	

### Materiale calcestruzzo trasverso

R <sub>ck</sub> calcestruzzo	30.000	[MPa]
Peso specifico calcestruzzo	24.5170	[kN/mc]
Modulo elastico E	30976.850	[MPa]
Tensione di snervamento acciaio	450.000	[MPa]
Coeff. omogeneizzazione cls tesoro/compresso (n')	0.50	
Coeff. omogeneizzazione acciaio/cls (n)	15.00	
Coefficiente dilatazione termica	0.0000120	

## Condizioni di carico

*Convenzioni adottate*

Elaborato

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Origine in corrispondenza dello spigolo inferiore sinistro della struttura  
Carichi verticali positivi se diretti verso il basso  
Carichi orizzontali positivi se diretti verso destra  
Coppie concentrate positive se antiorarie  
Ascisse X (espresse in m) positive verso destra  
Ordinate Y (espresse in m) positive verso l'alto  
Carichi concentrati espressi in kN  
Coppie concentrate espressi in kNm  
Carichi distribuiti espressi in kN/m

**Simbologia adottata e unità di misura**

*Forze concentrate*

X ascissa del punto di applicazione dei carichi verticali concentrati  
Y ordinata del punto di applicazione dei carichi orizzontali concentrati  
 $F_y$  componente Y del carico concentrato  
 $F_x$  componente X del carico concentrato  
M momento

*Forze distribuite*

$X_i, X_f$  ascisse del punto iniziale e finale per carichi distribuiti verticali  
 $Y_i, Y_f$  ordinate del punto iniziale e finale per carichi distribuiti orizzontali  
 $V_{ni}$  componente normale del carico distribuito nel punto iniziale  
 $V_{nf}$  componente normale del carico distribuito nel punto finale  
 $V_{si}$  componente tangenziale del carico distribuito nel punto iniziale  
 $V_{sf}$  componente tangenziale del carico distribuito nel punto finale  
 $D_{te}$  variazione termica lembo esterno espressa in gradi centigradi  
 $D_{ti}$  variazione termica lembo interno espressa in gradi centigradi

Condizione di carico n°1 (Peso Proprio)

Condizione di carico n°2 (Spinta terreno sinistra)

Condizione di carico n°3 (Spinta terreno destra)

Condizione di carico n°4 (Sisma da sinistra)

Condizione di carico n°5 (Sisma da destra)

Condizione di carico n° 7 (S VAR SX)

Distr	Terreno	$X_i = -10.00$	$X_f = 0.00$	$V_{ni} = 20.00$	$V_{nf} = 20.00$
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Condizione di carico n° 8 (VAR)

Distr	Terreno	$X_i = 0.00$	$X_f = 1.82$	$V_{ni} = 29.13$	$V_{nf} = 29.13$
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Condizione di carico n° 9 (TERM. (+))

Term	Traverso	$D_{te} = 15.00$	$D_{ti} = 15.00$
Term	Traverso	$D_{te} = 5.00$	$D_{ti} = -5.00$

Condizione di carico n° 10 (TERM(-))

Term	Traverso	$D_{te} = -15.00$	$D_{ti} = -15.00$
Term	Traverso	$D_{te} = -5.00$	$D_{ti} = 5.00$

Condizione di carico n° 11 (FRE)

Distr	Traverso	$X_i = 0.00$	$X_f = 1.82$	$V_{ni} = 0.00$	$V_{nf} = 0.00$	$V_{ti} = 14.47$	$V_{tf} = 14.47$
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Condizione di carico n° 12 (FRE)

Distr	Traverso	$X_i = 0.00$	$X_f = 1.82$	$V_{ni} = 0.00$	$V_{nf} = 0.00$	$V_{ti} = 14.47$	$V_{tf} = 14.47$
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Condizione di carico n° 13 (S VAR SX)

Distr	Terreno	$X_i = -10.00$	$X_f = 0.00$	$V_{ni} = 20.00$	$V_{nf} = 20.00$
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Condizione di carico n° 14 (VAR)

Distr	Terreno	$X_i = 0.00$	$X_f = 1.82$	$V_{ni} = 29.13$	$V_{nf} = 29.13$
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## Impostazioni di progetto

Verifica materiali:

**Stato Limite Ultimo**

Coefficiente di sicurezza calcestruzzo $\gamma_c$	1.50
Fattore riduzione da resistenza cubica a cilindrica	0.83

Fattore di riduzione per carichi di lungo periodo	0.85
Coefficiente di sicurezza acciaio	1.15
Coefficiente di sicurezza per la sezione	1.00

Verifica Taglio - Metodo dell'inclinazione variabile del traliccio

$$V_{Rd}=[0.18*k*(100.0*\rho_1*f_{ck})^{1/3}/\gamma_c+0.15*\sigma_{cp}]*b_w*d>(v_{min}+0.15*\sigma_{cp})*b_w*d$$

$$V_{Rsd}=0.9*d*A_{sw}/s*f_{yd}*(ctg\alpha+ctg\theta)*\sin\alpha$$

$$V_{Rcd}=0.9*d*b_w*\alpha_c*f_{cd}*(ctg(\theta)+ctg(\alpha))/(1.0+ctg\theta^2)$$

con:

d	altezza utile sezione [mm]
b <sub>w</sub>	larghezza minima sezione [mm]
σ <sub>cp</sub>	tensione media di compressione [N/mmq]
ρ <sub>1</sub>	rapporto geometrico di armatura
A <sub>sw</sub>	area armatura trasversale [mmq]
s	interasse tra due armature trasversali consecutive [mm]
α <sub>c</sub>	coefficiente maggiorativo, funzione di f <sub>cd</sub> e σ <sub>cp</sub>

$$f_{cd}=0.5*f_{cd}$$

$$k=1+(200/d)^{1/2}$$

$$v_{min}=0.035*k^{3/2}*f_{ck}^{1/2}$$

**Stato Limite di Esercizio**

Criteri di scelta per verifiche tensioni di esercizio:

Ambiente moderatamente aggressivo

Limite tensioni di compressione nel calcestruzzo (comb. rare)

0.60 f<sub>ck</sub>

Limite tensioni di compressione nel calcestruzzo (comb. quasi perm.)

0.45 f<sub>ck</sub>

Limite tensioni di trazione nell'acciaio (comb. rare)

0.80 f<sub>yk</sub>

Criteri verifiche a fessurazione:

Armatura poco sensibile

Apertura limite fessure espresse in [mm]

Apertura limite fessure w<sub>1</sub>=0.20 w<sub>2</sub>=0.30 w<sub>3</sub>=0.40

Verifiche secondo :

Norme Tecniche 2008 - Approccio 1

Copriferro sezioni 3.60 [cm]

## Descrizione combinazioni di carico

### Simbologia adottata

- $\gamma$  Coefficiente di partecipazione della condizione  
 $\Psi$  Coefficiente di combinazione della condizione  
 $C$  Coefficiente totale di partecipazione della condizione

### Norme Tecniche 2008

### Simbologia adottata

- $\gamma_{G1sfav}$  Coefficiente parziale sfavorevole sulle azioni permanenti  
 $\gamma_{G1fav}$  Coefficiente parziale favorevole sulle azioni permanenti  
 $\gamma_{G2sfav}$  Coefficiente parziale sfavorevole sulle azioni permanenti non strutturali  
 $\gamma_{G2fav}$  Coefficiente parziale favorevole sulle azioni permanenti non strutturali  
 $\gamma_Q$  Coefficiente parziale sulle azioni variabili  
 $\gamma_{tan\phi}$  Coefficiente parziale di riduzione dell'angolo di attrito drenato  
 $\gamma_c$  Coefficiente parziale di riduzione della coesione drenata  
 $\gamma_{cu}$  Coefficiente parziale di riduzione della coesione non drenata  
 $\gamma_{qu}$  Coefficiente parziale di riduzione del carico ultimo

### Coefficienti di partecipazione combinazioni statiche

#### Coefficienti parziali per le azioni o per l'effetto delle azioni:

<i>Carichi</i>	<i>Effetto</i>		<i>A1</i>	<i>A2</i>
Permanenti	Favorevole	$\gamma_{G1fav}$	1.00	1.00
Permanenti	Sfavorevole	$\gamma_{G1sfav}$	1.30	1.00
Permanenti non strutturali	Favorevole	$\gamma_{G2fav}$	0.00	0.00
Permanenti non strutturali	Sfavorevole	$\gamma_{G2sfav}$	1.50	1.30
Variabili	Favorevole	$\gamma_{Q1fav}$	0.00	0.00
Variabili	Sfavorevole	$\gamma_{Q1sfav}$	1.50	1.30
Variabili da traffico	Favorevole	$\gamma_{Qfav}$	0.00	0.00
Variabili da traffico	Sfavorevole	$\gamma_{Qsfav}$	1.50	1.30
Termici	Favorevole	$\gamma_{efav}$	0.00	0.00
Termici	Sfavorevole	$\gamma_{esfav}$	1.50	1.50

#### Coefficienti parziali per i parametri geotecnici del terreno:

<i>Parametri</i>			<i>M1</i>	<i>M2</i>
Tangente dell'angolo di attrito		$\gamma_{tan\phi}$	1.00	1.25
Coesione efficace		$\gamma_c$	1.00	1.25
Resistenza non drenata		$\gamma_{cu}$	1.00	1.40
Resistenza a compressione uniassiale		$\gamma_{qu}$	1.00	1.60
Peso dell'unità di volume		$\gamma_\gamma$	1.00	1.00

### Coefficienti di partecipazione combinazioni sismiche

#### Coefficienti parziali per le azioni o per l'effetto delle azioni:

<i>Carichi</i>	<i>Effetto</i>		<i>A1</i>	<i>A2</i>
Permanenti	Favorevole	$\gamma_{G1fav}$	1.00	1.00
Permanenti	Sfavorevole	$\gamma_{G1sfav}$	1.00	1.00
Permanenti	Favorevole	$\gamma_{G2fav}$	0.00	0.00
Permanenti	Sfavorevole	$\gamma_{G2sfav}$	1.00	1.00
Variabili	Favorevole	$\gamma_{Q1fav}$	0.00	0.00
Variabili	Sfavorevole	$\gamma_{Q1sfav}$	1.00	1.00
Variabili da traffico	Favorevole	$\gamma_{Qfav}$	0.00	0.00
Variabili da traffico	Sfavorevole	$\gamma_{Qsfav}$	1.00	1.00
Termici	Favorevole	$\gamma_{efav}$	0.00	0.00
Termici	Sfavorevole	$\gamma_{esfav}$	1.00	1.00

#### Coefficienti parziali per i parametri geotecnici del terreno:

<i>Parametri</i>			<i>M1</i>	<i>M2</i>
Tangente dell'angolo di attrito		$\gamma_{tan\phi}$	1.00	1.25
Coesione efficace		$\gamma_c$	1.00	1.25
Resistenza non drenata		$\gamma_{cu}$	1.00	1.40
Resistenza a compressione uniassiale		$\gamma_{qu}$	1.00	1.60



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Peso dell'unità di volume  $\gamma_r$  1.00 1.00

Combinazione n° 1 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

Combinazione n° 2 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 3 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 4 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 5 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50
TERM. (+)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50

Combinazione n° 6 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30
TERM. (+)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30

Combinazione n° 7 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30

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TERM(-)	Sfavorevole	1.50	1.00	1.50
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 8 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 9 SLU (Caso A1-M1)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.30	1.00	1.30
Spinta terreno sinistra	Sfavorevole	1.30	1.00	1.30
Spinta terreno destra	Sfavorevole	1.30	1.00	1.30
TERM(-)	Sfavorevole	1.50	0.60	0.90
FRE	Sfavorevole	1.50	1.00	1.50
S_VAR_SX	Sfavorevole	1.50	1.00	1.50
VAR	Sfavorevole	1.50	1.00	1.50

Combinazione n° 10 SLU (Caso A2-M2)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.30	1.00	1.30
S_VAR_SX	Sfavorevole	1.30	1.00	1.30
VAR	Sfavorevole	1.30	1.00	1.30

Combinazione n° 11 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 12 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 13 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 14 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

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Sisma da sinistra	Sfavorevole	1.00	1.00	1.00
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Combinazione n° 15 SLU (Caso A1-M1) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 16 SLU (Caso A1-M1) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 17 SLU (Caso A2-M2) - Sisma Vert. positivo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 18 SLU (Caso A2-M2) - Sisma Vert. negativo

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
Sisma da sinistra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 19 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 20 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 21 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.50	0.50
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75
FRE	Sfavorevole	1.00	0.75	0.75

Combinazione n° 22 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

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S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	0.60	0.60
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 23 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM. (+)	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00

Combinazione n° 24 SLE (Quasi Permanente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00

Combinazione n° 25 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.50	0.50
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 26 SLE (Frequente)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	0.75	0.75
S_VAR_SX	Sfavorevole	1.00	0.75	0.75
VAR	Sfavorevole	1.00	0.75	0.75

Combinazione n° 27 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

Combinazione n° 28 SLE (Rara)

	<b>Effetto</b>	<b><math>\gamma</math></b>	<b><math>\Psi</math></b>	<b>C</b>
Peso Proprio	Sfavorevole	1.00	1.00	1.00
Spinta terreno sinistra	Sfavorevole	1.00	1.00	1.00
Spinta terreno destra	Sfavorevole	1.00	1.00	1.00
FRE	Sfavorevole	1.00	1.00	1.00
TERM(-)	Sfavorevole	1.00	0.60	0.60
S_VAR_SX	Sfavorevole	1.00	1.00	1.00
VAR	Sfavorevole	1.00	1.00	1.00

## Analisi della spinta e verifiche

### *Simbologia adottata ed unità di misura*

Origine in corrispondenza dello spigolo inferiore sinistro della struttura  
Le forze orizzontali sono considerate positive se agenti verso destra  
Le forze verticali sono considerate positive se agenti verso il basso  
 $X$  ascisse (espresse in m) positive verso destra  
 $Y$  ordinate (espresse in m) positive verso l'alto  
 $M$  momento espresso in kNm  
 $V$  taglio espresso in kN  
 $SN$  sforzo normale espresso in kN  
 $ux$  spostamento direzione  $X$  espresso in cm  
 $uy$  spostamento direzione  $Y$  espresso in cm  
 $\sigma$  pressione sul terreno espressa in MPa

### Tipo di analisi

Pressione in calotta

I carichi applicati sul terreno sono stati diffusi secondo **angolo di attrito**  
Metodo di calcolo della portanza

### Spinta sui piedritti

Pressione geostatica

Meyerhof

a Riposo [combinazione 1]  
a Riposo [combinazione 2]  
a Riposo [combinazione 3]  
a Riposo [combinazione 4]  
a Riposo [combinazione 5]  
a Riposo [combinazione 6]  
a Riposo [combinazione 7]  
a Riposo [combinazione 8]  
a Riposo [combinazione 9]  
a Riposo [combinazione 10]  
a Riposo [combinazione 11]  
a Riposo [combinazione 12]  
a Riposo [combinazione 13]  
a Riposo [combinazione 14]  
a Riposo [combinazione 15]  
a Riposo [combinazione 16]  
a Riposo [combinazione 17]  
a Riposo [combinazione 18]  
a Riposo [combinazione 19]  
a Riposo [combinazione 20]  
a Riposo [combinazione 21]  
a Riposo [combinazione 22]  
a Riposo [combinazione 23]  
a Riposo [combinazione 24]  
a Riposo [combinazione 25]  
a Riposo [combinazione 26]  
a Riposo [combinazione 27]  
a Riposo [combinazione 28]

### Sisma

#### **Identificazione del sito**

Latitudine

43.255000

Longitudine

13.011574

Comune

Matelica

Provincia

Macerata

Regione

Marche

Punti di interpolazione del reticolo

22526 - 22527 - 22305 - 22304

#### **Tipo di opera**

Tipo di costruzione

Opera ordinaria

Vita nominale

50 anni

Classe d'uso

III - Affollamenti significativi e industrie non pericolose

Vita di riferimento

75 anni

#### **Combinazioni SLU**

Accelerazione al suolo  $a_g =$

0.28 [m/s<sup>2</sup>]

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Coefficiente di amplificazione per tipo di sottosuolo (S)	1.50
Coefficiente di amplificazione topografica (St)	1.00
Coefficiente riduzione ( $\beta_m$ )	1.00
Rapporto intensità sismica verticale/orizzontale	0.50
Coefficiente di intensità sismica orizzontale (percento)	$k_h=(a_g/g*\beta_m*St*Ss) = 4.33$
Coefficiente di intensità sismica verticale (percento)	$k_v=0.50 * k_h = 2.16$

**Combinazioni SLE**

Accelerazione al suolo $a_g =$	0.00 [m/s <sup>2</sup> ]
Coefficiente di amplificazione per tipo di sottosuolo (S)	1.50
Coefficiente di amplificazione topografica (St)	1.00
Coefficiente riduzione ( $\beta_m$ )	1.00
Rapporto intensità sismica verticale/orizzontale	0.50
Coefficiente di intensità sismica orizzontale (percento)	$k_h=(a_g/g*\beta_m*St*Ss) = 0.00$
Coefficiente di intensità sismica verticale (percento)	$k_v=0.50 * k_h = 0.00$
Forma diagramma incremento sismico	Rettangolare

Spinta sismica Wood

Angolo diffusione sovraccarico 35.00 [°]

Coefficienti di spinta

N°combinazione	Statico	Sismico
1	0.625	0.000
2	0.692	0.000
3	0.625	0.000
4	0.692	0.000
5	0.625	0.000
6	0.692	0.000
7	0.625	0.000
8	0.692	0.000
9	0.625	0.000
10	0.692	0.000
11	0.625	0.542
12	0.625	0.542
13	0.692	0.616
14	0.692	0.616
15	0.625	0.542
16	0.625	0.542
17	0.692	0.616
18	0.692	0.616
19	0.625	0.000
20	0.625	0.000
21	0.625	0.000
22	0.625	0.000
23	0.625	0.000
24	0.625	0.000
25	0.625	0.000
26	0.625	0.000
27	0.625	0.000
28	0.625	0.000

Discretizzazione strutturale

Numero elementi fondazione	64
Numero elementi trasverso	64
Numero molle fondazione	65

### Analisi della combinazione n° 1

Pressione in calotta(solo peso terreno) 0.0910000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0910000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0505843 [MPa] Pressione inf. 0.0786982 [MPa]  
Piedritto destro Pressione sup. 0.0505843 [MPa] Pressione inf. 0.0786982 [MPa]

### Analisi della combinazione n° 2

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]  
Piedritto destro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]

### Analisi della combinazione n° 3

Pressione in calotta(solo peso terreno) 0.0910000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0910000
-12.45	-2.45	0.1111323
-2.45	2.45	0.1229638
2.45	4.27	0.1028315
4.27	14.27	0.0910000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0705742 [MPa] Pressione inf. 0.0986881 [MPa]  
Piedritto destro Pressione sup. 0.0650760 [MPa] Pressione inf. 0.0931899 [MPa]

### Analisi della combinazione n° 4

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0874480
-2.45	2.45	0.0977019

2.45	4.27	0.0802540
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0623276 [MPa] Pressione inf. 0.0862724 [MPa]  
Piedritto destro Pressione sup. 0.0570516 [MPa] Pressione inf. 0.0809963 [MPa]

**Analisi della combinazione n° 5**

Pressione in calotta(solo peso terreno) 0.0910000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0910000
-12.45	-2.45	0.1111323
-2.45	2.45	0.1229638
2.45	4.27	0.1028315
4.27	14.27	0.0910000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0705742 [MPa] Pressione inf. 0.0986881 [MPa]  
Piedritto destro Pressione sup. 0.0650760 [MPa] Pressione inf. 0.0931899 [MPa]

**Analisi della combinazione n° 6**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0874480
-2.45	2.45	0.0977019
2.45	4.27	0.0802540
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0623276 [MPa] Pressione inf. 0.0862724 [MPa]  
Piedritto destro Pressione sup. 0.0570516 [MPa] Pressione inf. 0.0809963 [MPa]

**Analisi della combinazione n° 7**

Pressione in calotta(solo peso terreno) 0.0910000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0910000
-12.45	-2.45	0.1111323
-2.45	2.45	0.1229638
2.45	4.27	0.1028315
4.27	14.27	0.0910000



Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0705742 [MPa] Pressione inf. 0.0986881 [MPa]  
Piedritto destro Pressione sup. 0.0650760 [MPa] Pressione inf. 0.0931899 [MPa]

**Analisi della combinazione n° 8**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0874480
-2.45	2.45	0.0977019
2.45	4.27	0.0802540
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0623276 [MPa] Pressione inf. 0.0862724 [MPa]  
Piedritto destro Pressione sup. 0.0570516 [MPa] Pressione inf. 0.0809963 [MPa]

**Analisi della combinazione n° 9**

Pressione in calotta(solo peso terreno) 0.0910000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0910000
-12.45	-2.45	0.1111323
-2.45	2.45	0.1229638
2.45	4.27	0.1028315
4.27	14.27	0.0910000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0705742 [MPa] Pressione inf. 0.0986881 [MPa]  
Piedritto destro Pressione sup. 0.0650760 [MPa] Pressione inf. 0.0931899 [MPa]

**Analisi della combinazione n° 10**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0874480
-2.45	2.45	0.0977019
2.45	4.27	0.0802540
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0623276 [MPa] Pressione inf. 0.0862724 [MPa]  
Piedritto destro Pressione sup. 0.0570516 [MPa] Pressione inf. 0.0809963 [MPa]

## Analisi della combinazione n° 11

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

### Carichi verticali in calotta

$X_i$	$X_j$	Q[MPa]
-22.45	14.27	0.0700000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0062699 [MPa] Pressione inf. 0.0062699 [MPa]

## Analisi della combinazione n° 12

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

### Carichi verticali in calotta

$X_i$	$X_j$	Q[MPa]
-22.45	14.27	0.0700000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0062699 [MPa] Pressione inf. 0.0062699 [MPa]

## Analisi della combinazione n° 13

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

### Carichi verticali in calotta

$X_i$	$X_j$	Q[MPa]
-22.45	14.27	0.0700000

### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]  
Piedritto destro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]

### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0066039 [MPa] Pressione inf. 0.0066039 [MPa]

### Analisi della combinazione n° 14

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]  
Piedritto destro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0066039 [MPa] Pressione inf. 0.0066039 [MPa]

### Analisi della combinazione n° 15

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0062699 [MPa] Pressione inf. 0.0062699 [MPa]

### Analisi della combinazione n° 16

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0062699 [MPa] Pressione inf. 0.0062699 [MPa]

### Analisi della combinazione n° 17

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]  
Piedritto destro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]

#### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0066039 [MPa] Pressione inf. 0.0066039 [MPa]

### Analisi della combinazione n° 18

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]  
Piedritto destro Pressione sup. 0.0431455 [MPa] Pressione inf. 0.0670903 [MPa]

#### Spinte sismiche sui piedritti

Piedritto sinistro Pressione sup. 0.0066039 [MPa] Pressione inf. 0.0066039 [MPa]

### Analisi della combinazione n° 19

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

#### Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

#### Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

### Analisi della combinazione n° 20

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0800661
-2.45	2.45	0.0859819
2.45	4.27	0.0759158
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0474460 [MPa] Pressione inf. 0.0690721 [MPa]  
Piedritto destro Pressione sup. 0.0446969 [MPa] Pressione inf. 0.0663230 [MPa]

### Analisi della combinazione n° 21

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0800661
-2.45	2.45	0.0859819
2.45	4.27	0.0759158
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0474460 [MPa] Pressione inf. 0.0690721 [MPa]  
Piedritto destro Pressione sup. 0.0446969 [MPa] Pressione inf. 0.0663230 [MPa]

### Analisi della combinazione n° 22

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0834215
-2.45	2.45	0.0913092
2.45	4.27	0.0778877
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0507776 [MPa] Pressione inf. 0.0724037 [MPa]  
Piedritto destro Pressione sup. 0.0471121 [MPa] Pressione inf. 0.0687382 [MPa]

### Analisi della combinazione n° 23

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0834215
-2.45	2.45	0.0913092
2.45	4.27	0.0778877
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0507776 [MPa] Pressione inf. 0.0724037 [MPa]  
Piedritto destro Pressione sup. 0.0471121 [MPa] Pressione inf. 0.0687382 [MPa]

**Analisi della combinazione n° 24**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]  
Piedritto destro Pressione sup. 0.0374510 [MPa] Pressione inf. 0.0590771 [MPa]

**Analisi della combinazione n° 25**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0800661
-2.45	2.45	0.0859819
2.45	4.27	0.0759158
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0474460 [MPa] Pressione inf. 0.0690721 [MPa]  
Piedritto destro Pressione sup. 0.0446969 [MPa] Pressione inf. 0.0663230 [MPa]

**Analisi della combinazione n° 26**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0800661

-2.45	2.45	0.0859819
2.45	4.27	0.0759158
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0474460 [MPa] Pressione inf. 0.0690721 [MPa]  
Piedritto destro Pressione sup. 0.0446969 [MPa] Pressione inf. 0.0663230 [MPa]

**Analisi della combinazione n° 27**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0834215
-2.45	2.45	0.0913092
2.45	4.27	0.0778877
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0507776 [MPa] Pressione inf. 0.0724037 [MPa]  
Piedritto destro Pressione sup. 0.0471121 [MPa] Pressione inf. 0.0687382 [MPa]

**Analisi della combinazione n° 28**

Pressione in calotta(solo peso terreno) 0.0700000 [MPa]

Carichi verticali in calotta

Xi	Xj	Q[MPa]
-22.45	-12.45	0.0700000
-12.45	-2.45	0.0834215
-2.45	2.45	0.0913092
2.45	4.27	0.0778877
4.27	14.27	0.0700000

Spinte sui piedritti

Piedritto sinistro Pressione sup. 0.0507776 [MPa] Pressione inf. 0.0724037 [MPa]  
Piedritto destro Pressione sup. 0.0471121 [MPa] Pressione inf. 0.0687382 [MPa]

## Spostamenti

### Spostamenti fondazione (Combinazione n° 1)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.013	4.894
0.48	-0.001	4.884
0.91	0.000	4.879
1.34	0.001	4.884
1.74	0.013	4.894

### Spostamenti traverso (Combinazione n° 1)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.013	4.894
0.48	-0.001	4.904
0.91	0.000	4.910
1.34	0.001	4.904
1.74	0.013	4.894

### Spostamenti fondazione (Combinazione n° 2)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.008	3.764
0.48	-0.001	3.757
0.91	0.000	3.754
1.34	0.001	3.757
1.74	0.008	3.764

### Spostamenti traverso (Combinazione n° 2)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.008	3.764
0.48	-0.001	3.770
0.91	0.000	3.774
1.34	0.001	3.770
1.74	0.008	3.764

### Spostamenti fondazione (Combinazione n° 3)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.171	5.746
0.48	0.667	6.028
0.91	0.582	6.333
1.34	0.671	6.654
1.74	1.221	6.968

### Spostamenti traverso (Combinazione n° 3)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.171	5.746
0.48	1.713	6.043
0.91	1.809	6.362
1.34	1.731	6.670
1.74	1.221	6.968

### Spostamenti fondazione (Combinazione n° 4)

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.134	4.444
0.48	0.643	4.719
0.91	0.561	5.015
1.34	0.645	5.320
1.74	1.166	5.617



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Spostamenti trasverso (Combinazione n° 4)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.134	4.444
0.48	1.650	4.729
0.91	1.739	5.034
1.34	1.661	5.331
1.74	1.166	5.617

**Spostamenti fondazione (Combinazione n° 5)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.166	5.747
0.48	0.666	6.028
0.91	0.582	6.333
1.34	0.670	6.654
1.74	1.225	6.970

**Spostamenti trasverso (Combinazione n° 5)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.166	5.747
0.48	1.708	6.035
0.91	1.809	6.353
1.34	1.735	6.663
1.74	1.225	6.970

**Spostamenti fondazione (Combinazione n° 6)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.130	4.445
0.48	0.642	4.719
0.91	0.560	5.014
1.34	0.645	5.320
1.74	1.169	5.618

**Spostamenti trasverso (Combinazione n° 6)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.130	4.445
0.48	1.646	4.724
0.91	1.738	5.028
1.34	1.664	5.326
1.74	1.169	5.618

**Spostamenti fondazione (Combinazione n° 7)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.192	5.739
0.48	0.669	6.028
0.91	0.584	6.335
1.34	0.672	6.655
1.74	1.205	6.962

**Spostamenti trasverso (Combinazione n° 7)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.192	5.739
0.48	1.734	6.074
0.91	1.812	6.399
1.34	1.716	6.701
1.74	1.205	6.962

**Spostamenti fondazione (Combinazione n° 8)**

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X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.147	4.439
0.48	0.644	4.719
0.91	0.562	5.016
1.34	0.646	5.321
1.74	1.156	5.613

**Spostamenti traverso (Combinazione n° 8)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.147	4.439
0.48	1.663	4.750
0.91	1.740	5.058
1.34	1.651	5.352
1.74	1.156	5.613

**Spostamenti fondazione (Combinazione n° 9)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.186	5.741
0.48	0.668	6.028
0.91	0.583	6.334
1.34	0.672	6.655
1.74	1.209	6.964

**Spostamenti traverso (Combinazione n° 9)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.186	5.741
0.48	1.729	6.066
0.91	1.811	6.389
1.34	1.719	6.694
1.74	1.209	6.964

**Spostamenti fondazione (Combinazione n° 10)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.144	4.440
0.48	0.644	4.719
0.91	0.562	5.015
1.34	0.646	5.321
1.74	1.158	5.614

**Spostamenti traverso (Combinazione n° 10)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.144	4.440
0.48	1.660	4.745
0.91	1.740	5.052
1.34	1.653	5.347
1.74	1.158	5.614

**Spostamenti fondazione (Combinazione n° 11)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	2.994
0.48	0.833	3.357
0.91	0.726	3.741
1.34	0.835	4.133
1.74	1.495	4.509

**Spostamenti traverso (Combinazione n° 11)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	2.994

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0.48	2.138	3.370
0.91	2.246	3.762
1.34	2.140	4.147
1.74	1.495	4.509

**Spostamenti fondazione (Combinazione n° 12)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	3.019
0.48	0.833	3.381
0.91	0.726	3.766
1.34	0.835	4.157
1.74	1.495	4.533

**Spostamenti traverso (Combinazione n° 12)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	3.019
0.48	2.138	3.395
0.91	2.246	3.787
1.34	2.140	4.172
1.74	1.495	4.533

**Spostamenti fondazione (Combinazione n° 13)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.980
0.48	0.875	3.362
0.91	0.763	3.767
1.34	0.876	4.177
1.74	1.567	4.569

**Spostamenti traverso (Combinazione n° 13)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.980
0.48	2.244	3.372
0.91	2.358	3.783
1.34	2.246	4.188
1.74	1.567	4.569

**Spostamenti fondazione (Combinazione n° 14)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.955
0.48	0.875	3.338
0.91	0.763	3.742
1.34	0.876	4.152
1.74	1.567	4.545

**Spostamenti traverso (Combinazione n° 14)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.955
0.48	2.245	3.348
0.91	2.358	3.758
1.34	2.246	4.163
1.74	1.567	4.545

**Spostamenti fondazione (Combinazione n° 15)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	2.994
0.48	0.833	3.357
0.91	0.726	3.741

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1.34	0.835	4.133
1.74	1.495	4.509

**Spostamenti traverso (Combinazione n° 15)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	2.994
0.48	2.138	3.370
0.91	2.246	3.762
1.34	2.140	4.147
1.74	1.495	4.509

**Spostamenti fondazione (Combinazione n° 16)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	3.019
0.48	0.833	3.381
0.91	0.726	3.766
1.34	0.835	4.157
1.74	1.495	4.533

**Spostamenti traverso (Combinazione n° 16)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.478	3.019
0.48	2.138	3.395
0.91	2.246	3.787
1.34	2.140	4.172
1.74	1.495	4.533

**Spostamenti fondazione (Combinazione n° 17)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.980
0.48	0.875	3.362
0.91	0.763	3.767
1.34	0.876	4.177
1.74	1.567	4.569

**Spostamenti traverso (Combinazione n° 17)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.980
0.48	2.244	3.372
0.91	2.358	3.783
1.34	2.246	4.188
1.74	1.567	4.569

**Spostamenti fondazione (Combinazione n° 18)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.955
0.48	0.875	3.338
0.91	0.763	3.742
1.34	0.876	4.152
1.74	1.567	4.545

**Spostamenti traverso (Combinazione n° 18)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	1.555	2.955
0.48	2.245	3.348
0.91	2.358	3.758
1.34	2.246	4.163
1.74	1.567	4.545

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Spostamenti fondazione (Combinazione n° 19)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.011	3.765
0.48	-0.001	3.757
0.91	0.000	3.753
1.34	0.001	3.757
1.74	0.011	3.765

**Spostamenti traverso (Combinazione n° 19)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.011	3.765
0.48	-0.001	3.773
0.91	0.000	3.778
1.34	0.001	3.773
1.74	0.011	3.765

**Spostamenti fondazione (Combinazione n° 20)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.584	4.190
0.48	0.332	4.329
0.91	0.290	4.480
1.34	0.335	4.642
1.74	0.610	4.801

**Spostamenti traverso (Combinazione n° 20)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.584	4.190
0.48	0.858	4.348
0.91	0.903	4.511
1.34	0.861	4.662
1.74	0.610	4.801

**Spostamenti fondazione (Combinazione n° 21)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.580	4.191
0.48	0.332	4.329
0.91	0.290	4.480
1.34	0.334	4.642
1.74	0.613	4.802

**Spostamenti traverso (Combinazione n° 21)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.580	4.191
0.48	0.854	4.342
0.91	0.903	4.503
1.34	0.865	4.656
1.74	0.613	4.802

**Spostamenti fondazione (Combinazione n° 22)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.778	4.333
0.48	0.444	4.519
0.91	0.387	4.722
1.34	0.447	4.937
1.74	0.815	5.148

**Spostamenti traverso (Combinazione n° 22)**

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X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.778	4.333
0.48	1.141	4.532
0.91	1.205	4.746
1.34	1.154	4.951
1.74	0.815	5.148

**Spostamenti fondazione (Combinazione n° 23)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.775	4.334
0.48	0.443	4.519
0.91	0.387	4.722
1.34	0.447	4.937
1.74	0.818	5.149

**Spostamenti traverso (Combinazione n° 23)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.775	4.334
0.48	1.138	4.527
0.91	1.205	4.739
1.34	1.156	4.945
1.74	0.818	5.149

**Spostamenti fondazione (Combinazione n° 24)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.011	3.765
0.48	-0.001	3.757
0.91	0.000	3.753
1.34	0.001	3.757
1.74	0.011	3.765

**Spostamenti traverso (Combinazione n° 24)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	-0.011	3.765
0.48	-0.001	3.773
0.91	0.000	3.778
1.34	0.001	3.773
1.74	0.011	3.765

**Spostamenti fondazione (Combinazione n° 25)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.588	4.188
0.48	0.332	4.329
0.91	0.290	4.481
1.34	0.335	4.642
1.74	0.607	4.800

**Spostamenti traverso (Combinazione n° 25)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.588	4.188
0.48	0.863	4.355
0.91	0.904	4.518
1.34	0.858	4.668
1.74	0.607	4.800

**Spostamenti fondazione (Combinazione n° 26)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.584	4.190

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0.48	0.332	4.329
0.91	0.290	4.480
1.34	0.335	4.642
1.74	0.610	4.801

**Spostamenti trasverso (Combinazione n° 26)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.584	4.190
0.48	0.858	4.348
0.91	0.903	4.511
1.34	0.861	4.662
1.74	0.610	4.801

**Spostamenti fondazione (Combinazione n° 27)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.792	4.328
0.48	0.445	4.520
0.91	0.389	4.723
1.34	0.448	4.937
1.74	0.804	5.144

**Spostamenti trasverso (Combinazione n° 27)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.792	4.328
0.48	1.155	4.553
0.91	1.207	4.770
1.34	1.143	4.971
1.74	0.804	5.144

**Spostamenti fondazione (Combinazione n° 28)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.788	4.330
0.48	0.445	4.520
0.91	0.388	4.723
1.34	0.448	4.937
1.74	0.807	5.145

**Spostamenti trasverso (Combinazione n° 28)**

X [m]	u <sub>x</sub> [cm]	u <sub>y</sub> [cm]
0.08	0.788	4.330
0.48	1.152	4.548
0.91	1.207	4.764
1.34	1.146	4.966
1.74	0.807	5.145

## Sollecitazioni

### Sollecitazioni fondazione (Combinazione n° 1)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.6645	-1.2266	82.1725
0.48	3.3070	-14.6480	66.6487
0.91	6.9619	0.9169	59.8503
1.34	3.3070	14.8214	69.4782
1.74	-6.6645	1.2266	82.1725

### Sollecitazioni traverso (Combinazione n° 1)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.6645	2.8069	82.1337
0.48	3.0350	15.4075	56.2175
0.91	6.5459	1.1669	47.5332
1.34	3.0350	-12.6305	56.9058
1.74	-6.6645	-2.8069	82.1337

### Sollecitazioni fondazione (Combinazione n° 2)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1990	-1.0350	63.2074
0.48	2.0962	-9.2694	54.8050
0.91	4.3850	0.5875	50.8521
1.34	2.0962	9.2316	56.8794
1.74	-4.1990	1.0350	63.2074

### Sollecitazioni traverso (Combinazione n° 2)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1990	2.0677	63.1820
0.48	1.9066	10.0730	46.3845
0.91	4.1501	0.9990	40.6930
1.34	1.9066	-7.7849	46.8229
1.74	-4.1990	-2.0677	63.1820

### Sollecitazioni fondazione (Combinazione n° 3)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.2531	4.1666	107.3218
0.48	4.1750	-18.9410	92.2828
0.91	9.7765	-2.4778	82.3212
1.34	6.6920	16.2780	92.7645
1.74	-5.8834	0.4702	110.2500

### Sollecitazioni traverso (Combinazione n° 3)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.2531	9.4276	106.9881
0.48	11.1452	21.8989	69.3449
0.91	15.8069	-0.0935	58.1503
1.34	9.8859	-20.6919	72.5115
1.74	-5.8834	-4.9401	110.1403

### Sollecitazioni fondazione (Combinazione n° 4)

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.3723	3.0460	84.8473
0.48	2.4052	-12.7975	77.7618
0.91	6.4021	-2.7103	71.2774
1.34	4.8219	10.0238	77.4889
1.74	-3.9775	1.4034	87.6576



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Sollecitazioni traverso (Combinazione n° 4)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-3.3723	7.2055	84.5957
0.48	7.5863	14.6298	59.3617
0.91	10.5273	-0.1823	52.0357
1.34	6.3777	-13.8320	62.0958
1.74	-3.9775	-2.8994	87.6209

**Sollecitazioni fondazione (Combinazione n° 5)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8388	6.7140	107.3844
0.48	4.7744	-17.6822	94.4984
0.91	10.0740	-2.5399	84.8686
1.34	7.2910	14.9119	94.9172
1.74	-3.4690	-2.0773	110.3125

**Sollecitazioni traverso (Combinazione n° 5)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8388	11.9750	106.9256
0.48	15.3736	23.1549	67.1278
0.91	20.3363	-0.1560	55.6028
1.34	14.1143	-22.0551	70.3586
1.74	-3.4690	-7.4876	110.0777

**Sollecitazioni fondazione (Combinazione n° 6)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.7628	4.7442	84.8891
0.48	2.8048	-11.9583	79.2389
0.91	6.6004	-2.7517	72.9757
1.34	5.2212	9.1131	78.9240
1.74	-2.3679	-0.2949	87.6992

**Sollecitazioni traverso (Combinazione n° 6)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-1.7628	8.9038	84.5540
0.48	10.4052	15.4672	57.8836
0.91	13.5468	-0.2240	50.3374
1.34	9.1967	-14.7408	60.6605
1.74	-2.3679	-4.5977	87.5791

**Sollecitazioni fondazione (Combinazione n° 7)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-14.9102	-6.0232	107.0714
0.48	1.7773	-23.9763	83.4205
0.91	8.5862	-2.2294	72.1314
1.34	4.2960	21.7424	84.1537
1.74	-15.5409	10.6599	110.0001

**Sollecitazioni traverso (Combinazione n° 7)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-14.9102	-0.7622	107.2380
0.48	-5.7684	16.8746	78.2135
0.91	-2.3105	0.1564	68.3401
1.34	-7.0280	-15.2389	81.1230
1.74	-15.5409	5.2497	110.3906

**Sollecitazioni fondazione (Combinazione n° 8)**

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X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.8104	-3.7472	84.6804
0.48	0.8068	-16.1543	71.8536
0.91	5.6086	-2.5447	64.4842
1.34	3.2245	13.6667	71.7483
1.74	-10.4158	8.1966	87.4910

**Sollecitazioni traverso (Combinazione n° 8)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.8104	0.4124	84.7623
0.48	-3.6895	11.2803	65.2740
0.91	-1.5510	-0.0157	58.8288
1.34	-4.8982	-10.1967	67.8368
1.74	-10.4158	3.8937	87.7878

**Sollecitazioni fondazione (Combinazione n° 9)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-12.4959	-3.4758	107.1340
0.48	2.3767	-22.7175	85.6361
0.91	8.8838	-2.2915	74.6788
1.34	4.8950	20.3763	86.3064
1.74	-13.1265	8.1125	110.0626

**Sollecitazioni traverso (Combinazione n° 9)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-12.4959	1.7852	107.1755
0.48	-1.5400	18.1307	75.9963
0.91	2.2189	0.0939	65.7926
1.34	-2.7995	-16.6022	78.9701
1.74	-13.1265	2.7022	110.3280

**Sollecitazioni fondazione (Combinazione n° 10)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-8.2009	-2.0489	84.7221
0.48	1.2064	-15.3151	73.3307
0.91	5.8070	-2.5861	66.1825
1.34	3.6239	12.7560	73.1834
1.74	-8.8062	6.4983	87.5326

**Sollecitazioni traverso (Combinazione n° 10)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-8.2009	2.1107	84.7206
0.48	-0.8705	12.1177	63.7959
0.91	1.4686	-0.0574	57.1305
1.34	-2.0792	-11.1055	66.4016
1.74	-8.8062	2.1954	87.7460

**Sollecitazioni fondazione (Combinazione n° 11)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1393	1.2889	61.2478
0.48	0.6845	-10.6089	57.4645
0.91	4.3556	-3.8347	52.2899
1.34	3.7913	7.1987	55.7432
1.74	-4.9088	4.4495	64.9189

**Sollecitazioni traverso (Combinazione n° 11)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1393	4.2926	61.1107

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0.48	2.8170	9.4778	43.4922
0.91	4.4965	-0.9574	38.6401
1.34	1.2465	-10.0745	46.6977
1.74	-4.9088	1.2587	65.0590

**Sollecitazioni fondazione (Combinazione n° 12)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1890	1.3138	61.4697
0.48	0.7089	-10.7359	57.5713
0.91	4.4138	-3.8235	52.3206
1.34	3.8157	7.3377	55.8673
1.74	-4.9586	4.4246	65.1408

**Sollecitazioni traverso (Combinazione n° 12)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1890	4.3284	61.3312
0.48	2.8398	9.5590	43.5032
0.91	4.5388	-0.9582	38.6098
1.34	1.2693	-10.1550	46.7127
1.74	-4.9586	1.2229	65.2794

**Sollecitazioni fondazione (Combinazione n° 13)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.9475	1.3361	61.3778
0.48	0.0407	-8.1611	62.3874
0.91	3.1247	-4.1978	58.7375
1.34	3.3012	4.3717	60.3540
1.74	-3.7556	4.6839	65.2269

**Sollecitazioni traverso (Combinazione n° 13)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.9475	4.3462	61.2383
0.48	2.3133	7.1251	47.6121
0.91	3.3654	-0.9155	44.1179
1.34	0.6662	-7.6576	50.8294
1.74	-3.7556	1.4777	65.3782

**Sollecitazioni fondazione (Combinazione n° 14)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8978	1.3112	61.1558
0.48	0.0163	-8.0341	62.2806
0.91	3.0664	-4.2090	58.7069
1.34	3.2768	4.2328	60.2300
1.74	-3.7058	4.7088	65.0050

**Sollecitazioni traverso (Combinazione n° 14)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8978	4.3104	61.0178
0.48	2.2905	7.0439	47.6010
0.91	3.3232	-0.9147	44.1483
1.34	0.6434	-7.5771	50.8144
1.74	-3.7058	1.5135	65.1577

**Sollecitazioni fondazione (Combinazione n° 15)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1393	1.2889	61.2478
0.48	0.6845	-10.6089	57.4645
0.91	4.3556	-3.8347	52.2899

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1.34	3.7913	7.1987	55.7432
1.74	-4.9088	4.4495	64.9189

**Sollecitazioni traverso (Combinazione n° 15)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1393	4.2926	61.1107
0.48	2.8170	9.4778	43.4922
0.91	4.4965	-0.9574	38.6401
1.34	1.2465	-10.0745	46.6977
1.74	-4.9088	1.2587	65.0590

**Sollecitazioni fondazione (Combinazione n° 16)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1890	1.3138	61.4697
0.48	0.7089	-10.7359	57.5713
0.91	4.4138	-3.8235	52.3206
1.34	3.8157	7.3377	55.8673
1.74	-4.9586	4.4246	65.1408

**Sollecitazioni traverso (Combinazione n° 16)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.1890	4.3284	61.3312
0.48	2.8398	9.5590	43.5032
0.91	4.5388	-0.9582	38.6098
1.34	1.2693	-10.1550	46.7127
1.74	-4.9586	1.2229	65.2794

**Sollecitazioni fondazione (Combinazione n° 17)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.9475	1.3361	61.3778
0.48	0.0407	-8.1611	62.3874
0.91	3.1247	-4.1978	58.7375
1.34	3.3012	4.3717	60.3540
1.74	-3.7556	4.6839	65.2269

**Sollecitazioni traverso (Combinazione n° 17)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.9475	4.3462	61.2383
0.48	2.3133	7.1251	47.6121
0.91	3.3654	-0.9155	44.1179
1.34	0.6662	-7.6576	50.8294
1.74	-3.7556	1.4777	65.3782

**Sollecitazioni fondazione (Combinazione n° 18)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8978	1.3112	61.1558
0.48	0.0163	-8.0341	62.2806
0.91	3.0664	-4.2090	58.7069
1.34	3.2768	4.2328	60.2300
1.74	-3.7058	4.7088	65.0050

**Sollecitazioni traverso (Combinazione n° 18)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8978	4.3104	61.0178
0.48	2.2905	7.0439	47.6010
0.91	3.3232	-0.9147	44.1483
1.34	0.6434	-7.5771	50.8144
1.74	-3.7058	1.5135	65.1577

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Sollecitazioni fondazione (Combinazione n° 19)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.3776	-0.9485	63.2095
0.48	2.6656	-11.7803	50.3609
0.91	5.6100	0.7350	44.8246
1.34	2.6656	11.9576	52.5637
1.74	-5.3776	0.9485	63.2095

**Sollecitazioni traverso (Combinazione n° 19)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.3776	2.1542	63.1799
0.48	2.4500	12.3618	42.3443
0.91	5.2830	0.8680	35.3576
1.34	2.4500	-10.2691	42.8998
1.74	-5.3776	-2.1542	63.1799

**Sollecitazioni fondazione (Combinazione n° 20)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.4836	-0.1604	75.7374
0.48	2.6510	-14.8770	61.5035
0.91	6.7963	-0.9140	54.1351
1.34	3.9090	13.7167	62.5841
1.74	-6.7987	2.4788	77.2013

**Sollecitazioni traverso (Combinazione n° 20)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.4836	3.5560	75.6540
0.48	3.3343	14.6666	50.5690
0.91	6.5173	0.2847	42.5746
1.34	2.7047	-13.2784	52.3154
1.74	-6.7987	-1.3123	77.2299

**Sollecitazioni fondazione (Combinazione n° 21)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.4717	1.9625	75.7895
0.48	3.1506	-13.8280	63.3498
0.91	7.0442	-0.9657	56.2579
1.34	4.4082	12.5783	64.3780
1.74	-4.7867	0.3559	77.2534

**Sollecitazioni traverso (Combinazione n° 21)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.4717	5.6789	75.6019
0.48	6.8580	15.7133	48.7214
0.91	10.2918	0.2326	40.4517
1.34	6.2284	-14.4145	50.5214
1.74	-4.7867	-3.4352	77.1778

**Sollecitazioni fondazione (Combinazione n° 22)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.4371	2.6479	79.9758
0.48	3.2447	-14.6452	67.4444
0.91	7.4874	-1.5273	59.7984
1.34	4.9224	12.9316	68.0840
1.74	-4.8572	0.4433	81.9278

**Sollecitazioni traverso (Combinazione n° 22)**

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X [m]	M [kNm]	V [kN]	N [kN]
0.08	-4.4371	6.5689	79.7495
0.48	7.8571	16.6899	51.0950
0.91	11.4574	0.0278	42.4347
1.34	7.0175	-15.6439	53.3027
1.74	-4.8572	-3.5773	81.8509

**Sollecitazioni fondazione (Combinazione n° 23)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8276	4.3462	80.0175
0.48	3.6443	-13.8060	68.9214
0.91	7.6857	-1.5687	61.4967
1.34	5.3217	12.0209	69.5191
1.74	-3.2476	-1.2550	81.9694

**Sollecitazioni traverso (Combinazione n° 23)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-2.8276	8.2672	79.7078
0.48	10.6760	17.5272	49.6170
0.91	14.4770	-0.0139	40.7364
1.34	9.8365	-16.5527	51.8674
1.74	-3.2476	-5.2756	81.8091

**Sollecitazioni fondazione (Combinazione n° 24)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.3776	-0.9485	63.2095
0.48	2.6656	-11.7803	50.3609
0.91	5.6100	0.7350	44.8246
1.34	2.6656	11.9576	52.5637
1.74	-5.3776	0.9485	63.2095

**Sollecitazioni traverso (Combinazione n° 24)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-5.3776	2.1542	63.1799
0.48	2.4500	12.3618	42.3443
0.91	5.2830	0.8680	35.3576
1.34	2.4500	-10.2691	42.8998
1.74	-5.3776	-2.1542	63.1799

**Sollecitazioni fondazione (Combinazione n° 25)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-8.4955	-2.2833	75.6852
0.48	2.1515	-15.9260	59.6572
0.91	6.5483	-0.8622	52.0122
1.34	3.4098	14.8551	60.7902
1.74	-8.8107	4.6016	77.1492

**Sollecitazioni traverso (Combinazione n° 25)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-8.4955	1.4332	75.7061
0.48	-0.1894	13.6198	52.4166
0.91	2.7429	0.3368	44.6975
1.34	-0.8190	-12.1424	54.1095
1.74	-8.8107	0.8106	77.2821

**Sollecitazioni fondazione (Combinazione n° 26)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.4836	-0.1604	75.7374

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0.48	2.6510	-14.8770	61.5035
0.91	6.7963	-0.9140	54.1351
1.34	3.9090	13.7167	62.5841
1.74	-6.7987	2.4788	77.2013

**Sollecitazioni traverso (Combinazione n° 26)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-6.4836	3.5560	75.6540
0.48	3.3343	14.6666	50.5690
0.91	6.5173	0.2847	42.5746
1.34	2.7047	-13.2784	52.3154
1.74	-6.7987	-1.3123	77.2299

**Sollecitazioni fondazione (Combinazione n° 27)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-10.8752	-4.1453	79.8088
0.48	1.6463	-18.0020	61.5362
0.91	6.6939	-1.3617	53.0052
1.34	3.3250	16.5745	62.3434
1.74	-11.2956	7.2364	81.7612

**Sollecitazioni traverso (Combinazione n° 27)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-10.8752	-0.2243	79.9161
0.48	-3.4187	13.3404	57.0074
0.91	-0.6208	0.1944	49.2278
1.34	-4.2584	-12.0086	59.0438
1.74	-11.2956	3.2159	82.0178

**Sollecitazioni fondazione (Combinazione n° 28)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.2657	-2.4470	79.8506
0.48	2.0459	-17.1628	63.0132
0.91	6.8922	-1.4031	54.7035
1.34	3.7243	15.6638	63.7786
1.74	-9.6860	5.5381	81.8028

**Sollecitazioni traverso (Combinazione n° 28)**

X [m]	M [kNm]	V [kN]	N [kN]
0.08	-9.2657	1.4740	79.8745
0.48	-0.5998	14.1778	55.5293
0.91	2.3987	0.1527	47.5296
1.34	-1.4394	-12.9174	57.6085
1.74	-9.6860	1.5176	81.9760

## Pressioni terreno

### Pressioni sul terreno di fondazione (Combinazione n° 1)

X [m]	$\sigma_t$ [MPa]
0.08	0.117
0.48	0.117
0.91	0.117
1.34	0.117
1.74	0.117

### Pressioni sul terreno di fondazione (Combinazione n° 2)

X [m]	$\sigma_t$ [MPa]
0.08	0.090
0.48	0.090
0.91	0.090
1.34	0.090
1.74	0.090

### Pressioni sul terreno di fondazione (Combinazione n° 3)

X [m]	$\sigma_t$ [MPa]
0.08	0.138
0.48	0.145
0.91	0.152
1.34	0.160
1.74	0.167

### Pressioni sul terreno di fondazione (Combinazione n° 4)

X [m]	$\sigma_t$ [MPa]
0.08	0.107
0.48	0.113
0.91	0.120
1.34	0.128
1.74	0.135

### Pressioni sul terreno di fondazione (Combinazione n° 5)

X [m]	$\sigma_t$ [MPa]
0.08	0.138
0.48	0.145
0.91	0.152
1.34	0.160
1.74	0.167

### Pressioni sul terreno di fondazione (Combinazione n° 6)

X [m]	$\sigma_t$ [MPa]
0.08	0.107
0.48	0.113
0.91	0.120
1.34	0.128
1.74	0.135

### Pressioni sul terreno di fondazione (Combinazione n° 7)

X [m]	$\sigma_t$ [MPa]
0.08	0.138
0.48	0.145
0.91	0.152
1.34	0.160
1.74	0.167

### Pressioni sul terreno di fondazione (Combinazione n° 8)

X [m]	$\sigma_t$ [MPa]
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0.08	0.107
0.48	0.113
0.91	0.120
1.34	0.128
1.74	0.135

**Pressioni sul terreno di fondazione (Combinazione n° 9)**

X [m]	$\sigma_t$ [MPa]
0.08	0.138
0.48	0.145
0.91	0.152
1.34	0.160
1.74	0.167

**Pressioni sul terreno di fondazione (Combinazione n° 10)**

X [m]	$\sigma_t$ [MPa]
0.08	0.107
0.48	0.113
0.91	0.120
1.34	0.128
1.74	0.135

**Pressioni sul terreno di fondazione (Combinazione n° 11)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.099
1.74	0.108

**Pressioni sul terreno di fondazione (Combinazione n° 12)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.100
1.74	0.109

**Pressioni sul terreno di fondazione (Combinazione n° 13)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.100
1.74	0.110

**Pressioni sul terreno di fondazione (Combinazione n° 14)**

X [m]	$\sigma_t$ [MPa]
0.08	0.071
0.48	0.080
0.91	0.090
1.34	0.100
1.74	0.109

**Pressioni sul terreno di fondazione (Combinazione n° 15)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.099
1.74	0.108

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Pressioni sul terreno di fondazione (Combinazione n° 16)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.100
1.74	0.109

**Pressioni sul terreno di fondazione (Combinazione n° 17)**

X [m]	$\sigma_t$ [MPa]
0.08	0.072
0.48	0.081
0.91	0.090
1.34	0.100
1.74	0.110

**Pressioni sul terreno di fondazione (Combinazione n° 18)**

X [m]	$\sigma_t$ [MPa]
0.08	0.071
0.48	0.080
0.91	0.090
1.34	0.100
1.74	0.109

**Pressioni sul terreno di fondazione (Combinazione n° 19)**

X [m]	$\sigma_t$ [MPa]
0.08	0.090
0.48	0.090
0.91	0.090
1.34	0.090
1.74	0.090

**Pressioni sul terreno di fondazione (Combinazione n° 20)**

X [m]	$\sigma_t$ [MPa]
0.08	0.101
0.48	0.104
0.91	0.108
1.34	0.111
1.74	0.115

**Pressioni sul terreno di fondazione (Combinazione n° 21)**

X [m]	$\sigma_t$ [MPa]
0.08	0.101
0.48	0.104
0.91	0.108
1.34	0.111
1.74	0.115

**Pressioni sul terreno di fondazione (Combinazione n° 22)**

X [m]	$\sigma_t$ [MPa]
0.08	0.104
0.48	0.108
0.91	0.113
1.34	0.118
1.74	0.124

**Pressioni sul terreno di fondazione (Combinazione n° 23)**

X [m]	$\sigma_t$ [MPa]
0.08	0.104

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0.48	0.108
0.91	0.113
1.34	0.118
1.74	0.124

**Pressioni sul terreno di fondazione (Combinazione n° 24)**

X [m]	$\sigma_t$ [MPa]
0.08	0.090
0.48	0.090
0.91	0.090
1.34	0.090
1.74	0.090

**Pressioni sul terreno di fondazione (Combinazione n° 25)**

X [m]	$\sigma_t$ [MPa]
0.08	0.101
0.48	0.104
0.91	0.108
1.34	0.111
1.74	0.115

**Pressioni sul terreno di fondazione (Combinazione n° 26)**

X [m]	$\sigma_t$ [MPa]
0.08	0.101
0.48	0.104
0.91	0.108
1.34	0.111
1.74	0.115

**Pressioni sul terreno di fondazione (Combinazione n° 27)**

X [m]	$\sigma_t$ [MPa]
0.08	0.104
0.48	0.108
0.91	0.113
1.34	0.118
1.74	0.123

**Pressioni sul terreno di fondazione (Combinazione n° 28)**

X [m]	$\sigma_t$ [MPa]
0.08	0.104
0.48	0.108
0.91	0.113
1.34	0.118
1.74	0.123

## Verifiche combinazioni SLU

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in cm

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

N<sub>u</sub> Sforzo normale ultimo, espressa in kN

M<sub>u</sub> Momento ultimo, espressa in kNm

A<sub>B</sub> Area armatura inferiore, espressa in cmq

A<sub>S</sub> Area armatura superiore, espressa in cmq

CS Coeff. di sicurezza sezione

V<sub>Rd</sub> Aliquota taglio assorbita dal calcestruzzo in elementi senza armature trasversali, espressa in kN

V<sub>Rcd</sub> Aliquota taglio assorbita dal calcestruzzo in elementi con armature trasversali, espressa in kN

V<sub>Rsd</sub> Aliquota taglio assorbita armature trasversali, espressa in kN

A<sub>sw</sub> Area armature trasversali nella sezione, espressa in cmq

### Verifica sezioni fondazione [Combinazione n° 1 - SLU (Caso A1-M1)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	6.66 (6.67)	82.17	805.86	65.40	5.65	5.65	9.81
2	0.48	-3.31 (-4.94)	66.65	943.03	-69.92	5.65	5.65	14.15
3	0.91	-6.96 (-6.96)	59.85	431.34	-50.17	5.65	5.65	7.21
4	1.34	-3.31 (-4.96)	69.48	1000.27	-71.42	5.65	5.65	14.40
5	1.74	6.66 (6.67)	82.17	805.86	65.40	5.65	5.65	9.81

#### Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-1.23	81.03	0.00	0.00	0.00
2	0.48	-14.65	79.55	0.00	0.00	0.00
3	0.91	0.92	78.43	0.00	0.00	0.00
4	1.34	14.82	79.22	0.00	0.00	0.00
5	1.74	1.23	81.03	0.00	0.00	0.00

### Verifica sezioni traverso [Combinazione n° 1 - SLU (Caso A1-M1)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-6.66 (-6.66)	82.13	805.99	-65.40	5.65	5.65	9.81
2	0.48	3.03 (4.75)	56.22	751.27	63.54	5.65	5.65	13.36
3	0.91	6.55 (6.55)	47.53	328.84	45.29	5.65	5.65	6.92
4	1.34	3.03 (4.44)	56.91	860.29	67.19	5.65	5.65	15.12
5	1.74	-6.66 (-6.66)	82.13	805.99	-65.40	5.65	5.65	9.81

#### Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	2.81	71.45	0.00	0.00	0.00
2	0.48	15.41	68.51	0.00	0.00	0.00
3	0.91	1.17	67.42	0.00	0.00	0.00
4	1.34	-12.63	68.43	0.00	0.00	0.00
5	1.74	-2.81	71.45	0.00	0.00	0.00

### Verifica sezioni fondazione [Combinazione n° 2 - SLU (Caso A2-M2)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	4.20 (4.20)	63.21	1119.53	74.44	5.65	5.65	17.71
2	0.48	-2.10 (-3.13)	54.81	1325.67	-75.73	5.65	5.65	24.19
3	0.91	-4.38 (-4.38)	50.85	724.59	-62.48	5.65	5.65	14.25
4	1.34	-2.10 (-3.13)	56.88	1371.34	-75.38	5.65	5.65	24.11
5	1.74	4.20 (4.20)	63.21	1119.53	74.44	5.65	5.65	17.71

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-1.04	78.82	0.00	0.00	0.00
2	0.48	-9.27	78.09	0.00	0.00	0.00
3	0.91	0.59	77.38	0.00	0.00	0.00
4	1.34	9.23	77.84	0.00	0.00	0.00
5	1.74	1.04	78.82	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 2 - SLU (Caso A2-M2)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-4.20 (-4.20)	63.18	1120.39	-74.46	5.65	5.65	17.73
2	0.48	1.91 (3.03)	46.38	1147.77	74.99	5.65	5.65	24.74
3	0.91	4.15 (4.15)	40.69	539.17	54.99	5.65	5.65	13.25
4	1.34	1.91 (2.78)	46.82	1273.99	75.51	5.65	5.65	27.21
5	1.74	-4.20 (-4.20)	63.18	1120.39	-74.46	5.65	5.65	17.73

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	2.07	69.24	0.00	0.00	0.00
2	0.48	10.07	67.34	0.00	0.00	0.00
3	0.91	1.00	66.63	0.00	0.00	0.00
4	1.34	-7.78	67.29	0.00	0.00	0.00
5	1.74	-2.07	69.24	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 3 - SLU (Caso A1-M1)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	5.25 (5.72)	107.32	1408.48	75.04	5.65	5.65	13.12
2	0.48	-4.17 (-6.29)	92.28	1076.28	-73.35	5.65	5.65	11.66
3	0.91	-9.78 (-9.91)	82.32	408.43	-49.15	5.65	5.65	4.96
4	1.34	-6.69 (-8.51)	92.76	648.28	-59.46	5.65	5.65	6.99
5	1.74	5.88 (5.93)	110.25	1397.09	75.15	5.65	5.65	12.67

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.17	83.95	0.00	0.00	0.00
2	0.48	-18.94	82.61	0.00	0.00	0.00
3	0.91	-2.48	81.06	0.00	0.00	0.00
4	1.34	16.28	81.87	0.00	0.00	0.00
5	1.74	0.47	84.29	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 3 - SLU (Caso A1-M1)]

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Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-5.25 (-5.88)	106.99	1370.79	-75.38	5.65	5.65	12.81
2	0.48	11.15 (13.59)	69.34	196.93	38.59	5.65	5.65	2.84
3	0.91	15.81 (15.82)	58.15	129.25	35.16	5.65	5.65	2.22
4	1.34	9.89 (12.20)	72.51	243.52	40.96	5.65	5.65	3.36
5	1.74	-5.88 (-5.88)	110.14	1405.36	-75.07	5.65	5.65	12.76

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	9.43	74.33	0.00	0.00	0.00
2	0.48	21.90	70.07	0.00	0.00	0.00
3	0.91	-0.09	68.65	0.00	0.00	0.00
4	1.34	-20.69	70.20	0.00	0.00	0.00
5	1.74	-4.94	74.70	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 4 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	3.37 (3.71)	84.85	1653.56	72.35	5.65	5.65	19.49
2	0.48	-2.41 (-3.83)	77.76	1504.72	-74.18	5.65	5.65	19.35
3	0.91	-6.40 (-6.59)	71.28	639.82	-59.13	5.65	5.65	8.98
4	1.34	-4.82 (-5.94)	77.49	888.65	-68.13	5.65	5.65	11.47
5	1.74	3.98 (3.98)	87.66	1607.27	72.93	5.65	5.65	18.34

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	3.05	81.34	0.00	0.00	0.00
2	0.48	-12.80	80.82	0.00	0.00	0.00
3	0.91	-2.71	79.78	0.00	0.00	0.00
4	1.34	10.02	80.19	0.00	0.00	0.00
5	1.74	1.40	81.66	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 4 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-3.37 (-3.98)	84.60	1563.13	-73.49	5.65	5.65	18.48
2	0.48	7.59 (9.22)	59.36	273.52	42.48	5.65	5.65	4.61
3	0.91	10.53 (10.55)	52.04	188.20	38.15	5.65	5.65	3.62
4	1.34	6.38 (7.92)	62.10	372.27	47.49	5.65	5.65	6.00
5	1.74	-3.98 (-3.98)	87.62	1606.81	-72.94	5.65	5.65	18.34

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	7.21	71.73	0.00	0.00	0.00
2	0.48	14.63	68.87	0.00	0.00	0.00
3	0.91	-0.18	67.94	0.00	0.00	0.00
4	1.34	-13.83	69.03	0.00	0.00	0.00
5	1.74	-2.90	72.08	0.00	0.00	0.00

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Verifica sezioni fondazione [Combinazione n° 5 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	2.84 (3.59)	107.38	1985.55	66.34	5.65	5.65	18.49
2	0.48	-4.77 (-6.75)	94.50	1000.24	-71.42	5.65	5.65	10.58
3	0.91	-10.07 (-10.21)	84.87	408.36	-49.15	5.65	5.65	4.81
4	1.34	-7.29 (-8.96)	94.92	617.22	-58.23	5.65	5.65	6.50
5	1.74	3.47 (3.70)	110.31	1980.80	66.45	5.65	5.65	17.96

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	6.71	83.96	0.00	0.00	0.00
2	0.48	-17.68	82.86	0.00	0.00	0.00
3	0.91	-2.54	81.36	0.00	0.00	0.00
4	1.34	14.91	82.12	0.00	0.00	0.00
5	1.74	-2.08	84.30	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 5 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-2.84 (-3.47)	106.93	2020.22	-65.54	5.65	5.65	18.89
2	0.48	15.37 (17.96)	67.13	131.93	35.29	5.65	5.65	1.97
3	0.91	20.34 (20.35)	55.60	90.73	33.20	5.65	5.65	1.63
4	1.34	14.11 (16.58)	70.36	154.71	36.45	5.65	5.65	2.20
5	1.74	-3.47 (-3.47)	110.08	2054.58	-64.75	5.65	5.65	18.66

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	11.98	74.33	0.00	0.00	0.00
2	0.48	23.15	69.82	0.00	0.00	0.00
3	0.91	-0.16	68.35	0.00	0.00	0.00
4	1.34	-22.06	69.94	0.00	0.00	0.00
5	1.74	-7.49	74.69	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 6 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	1.76 (2.29)	84.89	2222.62	60.02	5.65	5.65	26.18
2	0.48	-2.80 (-4.14)	79.24	1432.41	-74.83	5.65	5.65	18.08
3	0.91	-6.60 (-6.80)	72.98	630.55	-58.76	5.65	5.65	8.64
4	1.34	-5.22 (-6.24)	78.92	842.77	-66.61	5.65	5.65	10.68
5	1.74	2.37 (2.40)	87.70	2208.06	60.45	5.65	5.65	25.18

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.74	81.34	0.00	0.00	0.00
2	0.48	-11.96	80.99	0.00	0.00	0.00
3	0.91	-2.75	79.98	0.00	0.00	0.00

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4	1.34	9.11	80.36	0.00	0.00	0.00
5	1.74	-0.29	81.67	0.00	0.00	0.00

**Verifica sezioni trasverso [Combinazione n° 6 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-1.76 (-2.37)	84.55	2183.92	-61.16	5.65	5.65	25.83
2	0.48	10.41 (12.13)	57.88	180.05	37.73	5.65	5.65	3.11
3	0.91	13.55 (13.57)	50.34	130.66	35.23	5.65	5.65	2.60
4	1.34	9.20 (10.84)	60.66	223.45	39.94	5.65	5.65	3.68
5	1.74	-2.37 (-2.37)	87.58	2221.26	-60.06	5.65	5.65	25.36

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	8.90	71.73	0.00	0.00	0.00
2	0.48	15.47	68.71	0.00	0.00	0.00
3	0.91	-0.22	67.74	0.00	0.00	0.00
4	1.34	-14.74	68.86	0.00	0.00	0.00
5	1.74	-4.60	72.08	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 7 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	14.91 (15.54)	107.07	302.95	43.97	5.65	5.65	2.83
2	0.48	-1.78 (-4.45)	83.42	1406.18	-75.06	5.65	5.65	16.86
3	0.91	-8.59 (-8.68)	72.13	408.36	-49.15	5.65	5.65	5.66
4	1.34	-4.30 (-6.72)	84.15	827.65	-66.11	5.65	5.65	9.83
5	1.74	15.54 (15.54)	110.00	315.88	44.63	5.65	5.65	2.87

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-6.02	83.92	0.00	0.00	0.00
2	0.48	-23.98	81.61	0.00	0.00	0.00
3	0.91	-2.23	79.88	0.00	0.00	0.00
4	1.34	21.74	80.83	0.00	0.00	0.00
5	1.74	10.66	84.26	0.00	0.00	0.00

**Verifica sezioni trasverso [Combinazione n° 7 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-14.91 (-15.00)	107.24	321.02	-44.89	5.65	5.65	2.99
2	0.48	-5.77 (-7.65)	78.21	580.33	-56.77	5.65	5.65	7.42
3	0.91	-2.31 (-2.33)	68.34	1962.96	-66.87	5.65	5.65	28.72
4	1.34	-7.03 (-8.73)	81.12	491.11	-52.84	5.65	5.65	6.05
5	1.74	-15.54 (-16.12)	110.39	300.08	-43.83	5.65	5.65	2.72

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
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Elaborato

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Direzione Progettazione e  
Realizzazione Lavori

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	-0.76	74.36	0.00	0.00	0.00
2	0.48	16.87	71.07	0.00	0.00	0.00
3	0.91	0.16	69.83	0.00	0.00	0.00
4	1.34	-15.24	71.23	0.00	0.00	0.00
5	1.74	5.25	74.73	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 8 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	9.81 (10.23)	84.68	406.03	49.04	5.65	5.65	4.79
2	0.48	-0.81 (-2.61)	71.85	1887.21	-68.54	5.65	5.65	26.26
3	0.91	-5.61 (-5.76)	64.48	680.15	-60.72	5.65	5.65	10.55
4	1.34	-3.22 (-4.75)	71.75	1127.49	-74.64	5.65	5.65	15.71
5	1.74	10.42 (10.42)	87.49	415.52	49.47	5.65	5.65	4.75

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-3.75	81.32	0.00	0.00	0.00
2	0.48	-16.15	80.15	0.00	0.00	0.00
3	0.91	-2.54	78.99	0.00	0.00	0.00
4	1.34	13.67	79.50	0.00	0.00	0.00
5	1.74	8.20	81.64	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 8 - SLU (Caso A2-M2)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-9.81 (-9.86)	84.76	431.57	-50.18	5.65	5.65	5.09
2	0.48	-3.69 (-4.95)	65.27	906.39	-68.71	5.65	5.65	13.89
3	0.91	-1.55 (-1.55)	58.83	2246.81	-59.30	5.65	5.65	38.19
4	1.34	-4.90 (-6.04)	67.84	684.25	-60.89	5.65	5.65	10.09
5	1.74	-10.42 (-10.85)	87.79	391.59	-48.40	5.65	5.65	4.46

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	0.41	71.75	0.00	0.00	0.00
2	0.48	11.28	69.54	0.00	0.00	0.00
3	0.91	-0.02	68.73	0.00	0.00	0.00
4	1.34	-10.20	69.72	0.00	0.00	0.00
5	1.74	3.89	72.10	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 9 - SLU (Caso A1-M1)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	12.50 (12.88)	107.13	408.88	49.17	5.65	5.65	3.82
2	0.48	-2.38 (-4.91)	85.64	1319.79	-75.70	5.65	5.65	15.41
3	0.91	-8.88 (-8.98)	74.68	408.68	-49.16	5.65	5.65	5.47
4	1.34	-4.89 (-7.17)	86.31	775.06	-64.38	5.65	5.65	8.98
5	1.74	13.13 (13.13)	110.06	414.33	49.41	5.65	5.65	3.76

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-3.48	83.93	0.00	0.00	0.00
2	0.48	-22.72	81.86	0.00	0.00	0.00
3	0.91	-2.29	80.17	0.00	0.00	0.00
4	1.34	20.38	81.09	0.00	0.00	0.00
5	1.74	8.11	84.27	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 9 - SLU (Caso A1-M1)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-12.50 (-12.70)	107.18	418.89	-49.62	5.65	5.65	3.91
2	0.48	-1.54 (-3.56)	76.00	1566.50	-73.45	5.65	5.65	20.61
3	0.91	2.22 (2.23)	65.79	1969.12	66.72	5.65	5.65	29.93
4	1.34	-2.80 (-4.65)	78.97	1282.38	-75.55	5.65	5.65	16.24
5	1.74	-13.13 (-13.39)	110.33	403.06	-48.91	5.65	5.65	3.65

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.79	74.36	0.00	0.00	0.00
2	0.48	18.13	70.82	0.00	0.00	0.00
3	0.91	0.09	69.54	0.00	0.00	0.00
4	1.34	-16.60	70.97	0.00	0.00	0.00
5	1.74	2.70	74.72	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 10 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	8.20 (8.43)	84.72	563.65	56.08	5.65	5.65	6.65
2	0.48	-1.21 (-2.92)	73.33	1773.70	-70.52	5.65	5.65	24.19
3	0.91	-5.81 (-5.96)	66.18	669.26	-60.29	5.65	5.65	10.11
4	1.34	-3.62 (-5.05)	73.18	1056.01	-72.83	5.65	5.65	14.43
5	1.74	8.81 (8.81)	87.53	552.48	55.58	5.65	5.65	6.31

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	-2.05	81.32	0.00	0.00	0.00
2	0.48	-15.32	80.32	0.00	0.00	0.00
3	0.91	-2.59	79.19	0.00	0.00	0.00
4	1.34	12.76	79.67	0.00	0.00	0.00
5	1.74	6.50	81.65	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 10 - SLU (Caso A2-M2)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-8.20 (-8.44)	84.72	562.80	-56.04	5.65	5.65	6.64
2	0.48	-0.87 (-2.22)	63.80	1936.55	-67.48	5.65	5.65	30.36
3	0.91	1.47 (1.48)	57.13	2270.18	58.61	5.65	5.65	39.74

**Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

4	1.34	-2.08 (-3.32)	66.40	1487.34	-74.33	5.65	5.65	22.40
5	1.74	-8.81 (-9.05)	87.75	528.42	-54.51	5.65	5.65	6.02

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	2.11	71.75	0.00	0.00	0.00
2	0.48	12.12	69.37	0.00	0.00	0.00
3	0.91	-0.06	68.53	0.00	0.00	0.00
4	1.34	-11.11	69.54	0.00	0.00	0.00
5	1.74	2.20	72.10	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 11 - SLU (Caso A1-M1) - Sisma Vert. negativo]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	4.14 (4.28)	61.25	1033.28	72.26	5.65	5.65	16.87
2	0.48	-0.68 (-1.87)	57.46	2017.61	-65.60	5.65	5.65	35.11
3	0.91	-4.36 (-4.75)	52.29	659.43	-59.90	5.65	5.65	12.61
4	1.34	-3.79 (-4.59)	55.74	785.08	-64.71	5.65	5.65	14.08
5	1.74	4.91 (4.91)	64.92	910.51	68.85	5.65	5.65	14.03

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.29	78.59	0.00	0.00	0.00
2	0.48	-10.61	78.38	0.00	0.00	0.00
3	0.91	-3.83	77.58	0.00	0.00	0.00
4	1.34	7.20	77.75	0.00	0.00	0.00
5	1.74	4.45	79.02	0.00	0.00	0.00

**Verifica sezioni trasverso [Combinazione n° 11 - SLU (Caso A1-M1) - Sisma Vert. negativo]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-4.14 (-4.62)	61.11	911.41	-68.88	5.65	5.65	14.91
2	0.48	2.82 (3.87)	43.49	682.72	60.82	5.65	5.65	15.70
3	0.91	4.50 (4.56)	38.64	421.24	49.72	5.65	5.65	10.90
4	1.34	1.25 (2.37)	46.70	1467.62	74.51	5.65	5.65	31.43
5	1.74	-4.91 (-5.04)	65.06	872.39	-67.59	5.65	5.65	13.41

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.29	69.00	0.00	0.00	0.00
2	0.48	9.48	67.00	0.00	0.00	0.00
3	0.91	-0.96	66.38	0.00	0.00	0.00
4	1.34	-10.07	67.26	0.00	0.00	0.00
5	1.74	1.26	69.46	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 12 - SLU (Caso A1-M1) - Sisma Vert. positivo]**

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
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Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	4.19 (4.34)	61.47	1019.53	71.91	5.65	5.65	16.59
2	0.48	-0.71 (-1.91)	57.57	1995.72	-66.11	5.65	5.65	34.67
3	0.91	-4.41 (-4.80)	52.32	647.25	-59.42	5.65	5.65	12.37
4	1.34	-3.82 (-4.63)	55.87	776.74	-64.44	5.65	5.65	13.90
5	1.74	4.96 (4.96)	65.14	899.82	68.50	5.65	5.65	13.81

**Verifiche taglio**

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.31	78.62	0.00	0.00	0.00
2	0.48	-10.74	78.40	0.00	0.00	0.00
3	0.91	-3.82	77.58	0.00	0.00	0.00
4	1.34	7.34	77.76	0.00	0.00	0.00
5	1.74	4.42	79.05	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 12 - SLU (Caso A1-M1) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fl</sub>	A <sub>fs</sub>	CS
1	0.08	-4.19 (-4.67)	61.33	898.65	-68.46	5.65	5.65	14.65
2	0.48	2.84 (3.91)	43.50	673.08	60.44	5.65	5.65	15.47
3	0.91	4.54 (4.60)	38.61	414.64	49.43	5.65	5.65	10.74
4	1.34	1.27 (2.40)	46.71	1451.49	74.66	5.65	5.65	31.07
5	1.74	-4.96 (-5.09)	65.28	863.66	-67.30	5.65	5.65	13.23

**Verifiche taglio**

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.33	69.03	0.00	0.00	0.00
2	0.48	9.56	67.00	0.00	0.00	0.00
3	0.91	-0.96	66.37	0.00	0.00	0.00
4	1.34	-10.15	67.26	0.00	0.00	0.00
5	1.74	1.22	69.49	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 13 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

**Verifiche presso-flessione**

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fl</sub>	A <sub>fs</sub>	CS
1	0.08	2.95 (3.10)	61.38	1475.47	74.44	5.65	5.65	24.04
2	0.48	-0.04 (-0.95)	62.39	2670.38	-40.73	5.65	5.65	42.80
3	0.91	-3.12 (-3.59)	58.74	1231.57	-75.34	5.65	5.65	20.97
4	1.34	-3.30 (-3.72)	60.35	1220.13	-75.29	5.65	5.65	20.22
5	1.74	3.76 (3.76)	65.23	1314.40	75.68	5.65	5.65	20.15

**Verifiche taglio**

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.34	78.61	0.00	0.00	0.00
2	0.48	-8.16	78.94	0.00	0.00	0.00
3	0.91	-4.20	78.33	0.00	0.00	0.00
4	1.34	4.37	78.30	0.00	0.00	0.00
5	1.74	4.68	79.06	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 13 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Elaborato

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Direzione Progettazione e  
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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-2.95 (-3.43)	61.24	1348.42	-75.58	5.65	5.65	22.02
2	0.48	2.31 (3.11)	47.61	1148.75	75.00	5.65	5.65	24.13
3	0.91	3.37 (3.46)	44.12	854.69	67.01	5.65	5.65	19.37
4	1.34	0.67 (1.52)	50.83	2113.61	63.24	5.65	5.65	41.58
5	1.74	-3.76 (-3.92)	65.38	1258.17	-75.45	5.65	5.65	19.24

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.35	69.02	0.00	0.00	0.00
2	0.48	7.13	67.47	0.00	0.00	0.00
3	0.91	-0.92	67.01	0.00	0.00	0.00
4	1.34	-7.66	67.76	0.00	0.00	0.00
5	1.74	1.48	69.50	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 14 - SLU (Caso A2-M2) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	2.90 (3.04)	61.16	1492.45	74.29	5.65	5.65	24.40
2	0.48	-0.02 (-0.91)	62.28	2676.97	-39.24	5.65	5.65	42.98
3	0.91	-3.07 (-3.54)	58.71	1252.17	-75.42	5.65	5.65	21.33
4	1.34	-3.28 (-3.68)	60.23	1234.24	-75.35	5.65	5.65	20.49
5	1.74	3.71 (3.71)	65.00	1328.54	75.74	5.65	5.65	20.44

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.31	78.58	0.00	0.00	0.00
2	0.48	-8.03	78.92	0.00	0.00	0.00
3	0.91	-4.21	78.32	0.00	0.00	0.00
4	1.34	4.23	78.29	0.00	0.00	0.00
5	1.74	4.71	79.03	0.00	0.00	0.00

Verifica sezioni traverso [Combinazione n° 14 - SLU (Caso A2-M2) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-2.90 (-3.38)	61.02	1362.64	-75.45	5.65	5.65	22.33
2	0.48	2.29 (3.08)	47.60	1161.16	75.05	5.65	5.65	24.39
3	0.91	3.32 (3.42)	44.15	873.82	67.64	5.65	5.65	19.79
4	1.34	0.64 (1.49)	50.81	2135.76	62.58	5.65	5.65	42.03
5	1.74	-3.71 (-3.87)	65.16	1269.53	-75.50	5.65	5.65	19.48

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.31	68.99	0.00	0.00	0.00
2	0.48	7.04	67.46	0.00	0.00	0.00
3	0.91	-0.91	67.02	0.00	0.00	0.00
4	1.34	-7.58	67.75	0.00	0.00	0.00
5	1.74	1.51	69.47	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 15 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	4.14 (4.28)	61.25	1033.28	72.26	5.65	5.65	16.87
2	0.48	-0.68 (-1.87)	57.46	2017.61	-65.60	5.65	5.65	35.11
3	0.91	-4.36 (-4.75)	52.29	659.43	-59.90	5.65	5.65	12.61
4	1.34	-3.79 (-4.59)	55.74	785.08	-64.71	5.65	5.65	14.08
5	1.74	4.91 (4.91)	64.92	910.51	68.85	5.65	5.65	14.03

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.29	78.59	0.00	0.00	0.00
2	0.48	-10.61	78.38	0.00	0.00	0.00
3	0.91	-3.83	77.58	0.00	0.00	0.00
4	1.34	7.20	77.75	0.00	0.00	0.00
5	1.74	4.45	79.02	0.00	0.00	0.00

Verifica sezioni trasverso [Combinazione n° 15 - SLU (Caso A1-M1) - Sisma Vert. negativo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-4.14 (-4.62)	61.11	911.41	-68.88	5.65	5.65	14.91
2	0.48	2.82 (3.87)	43.49	682.72	60.82	5.65	5.65	15.70
3	0.91	4.50 (4.56)	38.64	421.24	49.72	5.65	5.65	10.90
4	1.34	1.25 (2.37)	46.70	1467.62	74.51	5.65	5.65	31.43
5	1.74	-4.91 (-5.04)	65.06	872.39	-67.59	5.65	5.65	13.41

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.29	69.00	0.00	0.00	0.00
2	0.48	9.48	67.00	0.00	0.00	0.00
3	0.91	-0.96	66.38	0.00	0.00	0.00
4	1.34	-10.07	67.26	0.00	0.00	0.00
5	1.74	1.26	69.46	0.00	0.00	0.00

Verifica sezioni fondazione [Combinazione n° 16 - SLU (Caso A1-M1) - Sisma Vert. positivo]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	4.19 (4.34)	61.47	1019.53	71.91	5.65	5.65	16.59
2	0.48	-0.71 (-1.91)	57.57	1995.72	-66.11	5.65	5.65	34.67
3	0.91	-4.41 (-4.80)	52.32	647.25	-59.42	5.65	5.65	12.37
4	1.34	-3.82 (-4.63)	55.87	776.74	-64.44	5.65	5.65	13.90
5	1.74	4.96 (4.96)	65.14	899.82	68.50	5.65	5.65	13.81

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.31	78.62	0.00	0.00	0.00
2	0.48	-10.74	78.40	0.00	0.00	0.00
3	0.91	-3.82	77.58	0.00	0.00	0.00
4	1.34	7.34	77.76	0.00	0.00	0.00
5	1.74	4.42	79.05	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 16 - SLU (Caso A1-M1) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-4.19 (-4.67)	61.33	898.65	-68.46	5.65	5.65	14.65
2	0.48	2.84 (3.91)	43.50	673.08	60.44	5.65	5.65	15.47
3	0.91	4.54 (4.60)	38.61	414.64	49.43	5.65	5.65	10.74
4	1.34	1.27 (2.40)	46.71	1451.49	74.66	5.65	5.65	31.07
5	1.74	-4.96 (-5.09)	65.28	863.66	-67.30	5.65	5.65	13.23

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.33	69.03	0.00	0.00	0.00
2	0.48	9.56	67.00	0.00	0.00	0.00
3	0.91	-0.96	66.37	0.00	0.00	0.00
4	1.34	-10.15	67.26	0.00	0.00	0.00
5	1.74	1.22	69.49	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 17 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	2.95 (3.10)	61.38	1475.47	74.44	5.65	5.65	24.04
2	0.48	-0.04 (-0.95)	62.39	2670.38	-40.73	5.65	5.65	42.80
3	0.91	-3.12 (-3.59)	58.74	1231.57	-75.34	5.65	5.65	20.97
4	1.34	-3.30 (-3.72)	60.35	1220.13	-75.29	5.65	5.65	20.22
5	1.74	3.76 (3.76)	65.23	1314.40	75.68	5.65	5.65	20.15

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.34	78.61	0.00	0.00	0.00
2	0.48	-8.16	78.94	0.00	0.00	0.00
3	0.91	-4.20	78.33	0.00	0.00	0.00
4	1.34	4.37	78.30	0.00	0.00	0.00
5	1.74	4.68	79.06	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 17 - SLU (Caso A2-M2) - Sisma Vert. positivo ]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-2.95 (-3.43)	61.24	1348.42	-75.58	5.65	5.65	22.02
2	0.48	2.31 (3.11)	47.61	1148.75	75.00	5.65	5.65	24.13
3	0.91	3.37 (3.46)	44.12	854.69	67.01	5.65	5.65	19.37
4	1.34	0.67 (1.52)	50.83	2113.61	63.24	5.65	5.65	41.58
5	1.74	-3.76 (-3.92)	65.38	1258.17	-75.45	5.65	5.65	19.24

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.35	69.02	0.00	0.00	0.00
2	0.48	7.13	67.47	0.00	0.00	0.00
3	0.91	-0.92	67.01	0.00	0.00	0.00

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4	1.34	-7.66	67.76	0.00	0.00	0.00
5	1.74	1.48	69.50	0.00	0.00	0.00

**Verifica sezioni fondazione [Combinazione n° 18 - SLU (Caso A2-M2) - Sisma Vert. negativo]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	2.90 (3.04)	61.16	1492.45	74.29	5.65	5.65	24.40
2	0.48	-0.02 (-0.91)	62.28	2676.97	-39.24	5.65	5.65	42.98
3	0.91	-3.07 (-3.54)	58.71	1252.17	-75.42	5.65	5.65	21.33
4	1.34	-3.28 (-3.68)	60.23	1234.24	-75.35	5.65	5.65	20.49
5	1.74	3.71 (3.71)	65.00	1328.54	75.74	5.65	5.65	20.44

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	1.31	78.58	0.00	0.00	0.00
2	0.48	-8.03	78.92	0.00	0.00	0.00
3	0.91	-4.21	78.32	0.00	0.00	0.00
4	1.34	4.23	78.29	0.00	0.00	0.00
5	1.74	4.71	79.03	0.00	0.00	0.00

**Verifica sezioni traverso [Combinazione n° 18 - SLU (Caso A2-M2) - Sisma Vert. negativo]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	N <sub>u</sub>	M <sub>u</sub>	A <sub>fi</sub>	A <sub>fs</sub>	CS
1	0.08	-2.90 (-3.38)	61.02	1362.64	-75.45	5.65	5.65	22.33
2	0.48	2.29 (3.08)	47.60	1161.16	75.05	5.65	5.65	24.39
3	0.91	3.32 (3.42)	44.15	873.82	67.64	5.65	5.65	19.79
4	1.34	0.64 (1.49)	50.81	2135.76	62.58	5.65	5.65	42.03
5	1.74	-3.71 (-3.87)	65.16	1269.53	-75.50	5.65	5.65	19.48

Verifiche taglio

N°	X	V	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
1	0.08	4.31	68.99	0.00	0.00	0.00
2	0.48	7.04	67.46	0.00	0.00	0.00
3	0.91	-0.91	67.02	0.00	0.00	0.00
4	1.34	-7.58	67.75	0.00	0.00	0.00
5	1.74	1.51	69.47	0.00	0.00	0.00



## Verifiche combinazioni SLE

Simbologia adottata ed unità di misura

N° Indice sezione

X Ascissa/Ordinata sezione, espresso in m

M Momento flettente, espresso in kNm

V Taglio, espresso in kN

N Sforzo normale, espresso in kN

A<sub>f</sub> Area armatura inferiore, espressa in cmq

A<sub>s</sub> Area armatura superiore, espressa in cmq

σ<sub>f</sub> Tensione nell'armatura disposta in corrispondenza del lembo inferiore, espressa in MPa

σ<sub>s</sub> Tensione nell'armatura disposta in corrispondenza del lembo superiore, espressa in MPa

σ<sub>c</sub> Tensione nel calcestruzzo, espressa in MPa

τ<sub>c</sub> Tensione tangenziale nel calcestruzzo, espressa in MPa

A<sub>sw</sub> Area armature trasversali nella sezione, espressa in cmq

### Verifica sezioni fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	5.38	63.21	5.65	5.65	14.87	31.08	2.24
2	0.48	-2.67	50.36	5.65	5.65	4.73	9.38	1.01
3	0.91	-5.61	44.82	5.65	5.65	49.02	12.02	2.47
4	1.34	-2.67	52.56	5.65	5.65	3.92	9.55	1.00
5	1.74	5.38	63.21	5.65	5.65	14.87	31.08	2.24

#### Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-0.95	-0.009	0.00
2	0.48	-11.78	-0.112	0.00
3	0.91	0.74	0.007	0.00
4	1.34	11.96	0.113	0.00
5	1.74	0.95	0.009	0.00

### Verifica sezioni traverso [Combinazione n° 19 - SLE (Quasi Permanente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

#### Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-5.38	63.18	5.65	5.65	31.10	14.87	2.24
2	0.48	2.45	42.34	5.65	5.65	8.30	6.02	0.94
3	0.91	5.28	35.36	5.65	5.65	9.99	52.00	2.36
4	1.34	2.45	42.90	5.65	5.65	8.35	5.76	0.94
5	1.74	-5.38	63.18	5.65	5.65	31.10	14.87	2.24

#### Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	2.15	0.020	0.00
2	0.48	12.36	0.117	0.00
3	0.91	0.87	0.008	0.00
4	1.34	-10.27	-0.097	0.00
5	1.74	-2.15	-0.020	0.00

### Verifica sezioni fondazione [Combinazione n° 20 - SLE (Frequente)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

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Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	6.48	75.74	5.65	5.65	17.86	37.81	2.71
2	0.48	-2.65	61.50	5.65	5.65	1.26	10.16	0.99
3	0.91	-6.80	54.14	5.65	5.65	59.53	14.53	2.99
4	1.34	-3.91	62.58	5.65	5.65	12.08	12.79	1.53
5	1.74	6.80	77.20	5.65	5.65	18.41	41.28	2.85

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-0.16	-0.002	0.00
2	0.48	-14.88	-0.141	0.00
3	0.91	-0.91	-0.009	0.00
4	1.34	13.72	0.130	0.00
5	1.74	2.48	0.024	0.00

Verifica sezioni traverso [Combinazione n° 20 - SLE (Frequente)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-6.48	75.65	5.65	5.65	37.87	17.85	2.71
2	0.48	3.33	50.57	5.65	5.65	10.62	11.85	1.32
3	0.91	6.52	42.57	5.65	5.65	12.11	65.06	2.91
4	1.34	2.70	52.32	5.65	5.65	9.61	4.34	1.02
5	1.74	-6.80	77.23	5.65	5.65	41.26	18.41	2.85

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	3.56	0.034	0.00
2	0.48	14.67	0.139	0.00
3	0.91	0.28	0.003	0.00
4	1.34	-13.28	-0.126	0.00
5	1.74	-1.31	-0.012	0.00

Verifica sezioni fondazione [Combinazione n° 21 - SLE (Frequente)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	4.47	75.79	5.65	5.65	15.02	11.69	1.73
2	0.48	-3.15	63.35	5.65	5.65	4.21	11.37	1.18
3	0.91	-7.04	56.26	5.65	5.65	61.58	15.09	3.10
4	1.34	-4.41	64.38	5.65	5.65	17.12	13.78	1.76
5	1.74	4.79	77.25	5.65	5.65	15.72	14.46	1.87

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	1.96	0.019	0.00
2	0.48	-13.83	-0.131	0.00
3	0.91	-0.97	-0.009	0.00
4	1.34	12.58	0.119	0.00
5	1.74	0.36	0.003	0.00

Verifica sezioni traverso [Combinazione n° 21 - SLE (Frequente)]

Elaborato

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Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-4.47	75.60	5.65	5.65	11.78	15.00	1.73
2	0.48	6.86	48.72	5.65	5.65	13.53	65.08	3.05
3	0.91	10.29	40.45	5.65	5.65	13.35	126.55	4.71
4	1.34	6.23	50.52	5.65	5.65	13.48	53.79	2.73
5	1.74	-4.79	77.18	5.65	5.65	14.50	15.71	1.87

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	5.68	0.054	0.00
2	0.48	15.71	0.149	0.00
3	0.91	0.23	0.002	0.00
4	1.34	-14.41	-0.137	0.00
5	1.74	-3.44	-0.033	0.00

Verifica sezioni fondazione [Combinazione n° 22 - SLE (Rara)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	4.44	79.98	5.65	5.65	15.31	9.43	1.70
2	0.48	-3.24	67.44	5.65	5.65	3.63	11.87	1.21
3	0.91	-7.49	59.80	5.65	5.65	65.45	16.04	3.29
4	1.34	-4.92	68.08	5.65	5.65	21.47	14.95	1.99
5	1.74	4.86	81.93	5.65	5.65	16.27	12.89	1.88

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	2.65	0.025	0.00
2	0.48	-14.65	-0.139	0.00
3	0.91	-1.53	-0.014	0.00
4	1.34	12.93	0.123	0.00
5	1.74	0.44	0.004	0.00

Verifica sezioni traverso [Combinazione n° 22 - SLE (Rara)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-4.44	79.75	5.65	5.65	9.53	15.29	1.70
2	0.48	7.86	51.10	5.65	5.65	14.55	78.63	3.51
3	0.91	11.46	42.43	5.65	5.65	14.27	143.24	5.25
4	1.34	7.02	53.30	5.65	5.65	14.51	63.65	3.10
5	1.74	-4.86	81.85	5.65	5.65	12.93	16.27	1.88

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	6.57	0.062	0.00
2	0.48	16.69	0.158	0.00
3	0.91	0.03	0.000	0.00
4	1.34	-15.64	-0.148	0.00
5	1.74	-3.58	-0.034	0.00

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

**Verifica sezioni fondazione [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	2.83	80.02	5.65	5.65	11.88	1.23	1.08
2	0.48	-3.64	68.92	5.65	5.65	6.43	12.83	1.38
3	0.91	-7.69	61.50	5.65	5.65	67.09	16.48	3.38
4	1.34	-5.32	69.52	5.65	5.65	25.89	15.66	2.18
5	1.74	3.25	81.97	5.65	5.65	12.91	0.18	1.22

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	4.35	0.041	0.00
2	0.48	-13.81	-0.131	0.00
3	0.91	-1.57	-0.015	0.00
4	1.34	12.02	0.114	0.00
5	1.74	-1.26	-0.012	0.00

**Verifica sezioni traverso [Combinazione n° 23 - SLE (Rara)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-2.83	79.71	5.65	5.65	1.18	11.86	1.08
2	0.48	10.68	49.62	5.65	5.65	15.57	124.36	4.85
3	0.91	14.48	40.74	5.65	5.65	15.02	192.79	6.67
4	1.34	9.84	51.87	5.65	5.65	15.69	109.08	4.45
5	1.74	-3.25	81.81	5.65	5.65	0.21	12.90	1.22

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	8.27	0.078	0.00
2	0.48	17.53	0.166	0.00
3	0.91	-0.01	0.000	0.00
4	1.34	-16.55	-0.157	0.00
5	1.74	-5.28	-0.050	0.00

**Verifica sezioni fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	5.38	63.21	5.65	5.65	14.87	31.08	2.24
2	0.48	-2.67	50.36	5.65	5.65	4.73	9.38	1.01
3	0.91	-5.61	44.82	5.65	5.65	49.02	12.02	2.47
4	1.34	-2.67	52.56	5.65	5.65	3.92	9.55	1.00
5	1.74	5.38	63.21	5.65	5.65	14.87	31.08	2.24

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-0.95	-0.009	0.00

2	0.48	-11.78	-0.112	0.00
3	0.91	0.74	0.007	0.00
4	1.34	11.96	0.113	0.00
5	1.74	0.95	0.009	0.00

**Verifica sezioni traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	-5.38	63.18	5.65	5.65	31.10	14.87	2.24
2	0.48	2.45	42.34	5.65	5.65	8.30	6.02	0.94
3	0.91	5.28	35.36	5.65	5.65	9.99	52.00	2.36
4	1.34	2.45	42.90	5.65	5.65	8.35	5.76	0.94
5	1.74	-5.38	63.18	5.65	5.65	31.10	14.87	2.24

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	2.15	0.020	0.00
2	0.48	12.36	0.117	0.00
3	0.91	0.87	0.008	0.00
4	1.34	-10.27	-0.097	0.00
5	1.74	-2.15	-0.020	0.00

**Verifica sezioni fondazione [Combinazione n° 25 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	8.50	75.69	5.65	5.65	19.62	67.78	3.69
2	0.48	-2.15	59.66	5.65	5.65	0.76	8.95	0.82
3	0.91	-6.55	52.01	5.65	5.65	57.48	13.97	2.88
4	1.34	-3.41	60.79	5.65	5.65	7.54	11.71	1.31
5	1.74	8.81	77.15	5.65	5.65	20.11	71.39	3.84

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	-2.28	-0.022	0.00
2	0.48	-15.93	-0.151	0.00
3	0.91	-0.86	-0.008	0.00
4	1.34	14.86	0.141	0.00
5	1.74	4.60	0.044	0.00

**Verifica sezioni traverso [Combinazione n° 25 - SLE (Frequente)]**

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	A <sub>fl</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fl</sub>	σ <sub>c</sub>
1	0.08	-8.50	75.71	5.65	5.65	67.77	19.63	3.69
2	0.48	-0.19	52.42	5.65	5.65	4.11	4.78	0.34
3	0.91	2.74	44.70	5.65	5.65	9.05	8.06	1.07
4	1.34	-0.82	54.11	5.65	5.65	3.14	6.03	0.48
5	1.74	-8.81	77.28	5.65	5.65	71.29	20.13	3.84

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	1.43	0.014	0.00
2	0.48	13.62	0.129	0.00
3	0.91	0.34	0.003	0.00
4	1.34	-12.14	-0.115	0.00
5	1.74	0.81	0.008	0.00

Verifica sezioni fondazione [Combinazione n° 26 - SLE (Frequente)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	6.48	75.74	5.65	5.65	17.86	37.81	2.71
2	0.48	-2.65	61.50	5.65	5.65	1.26	10.16	0.99
3	0.91	-6.80	54.14	5.65	5.65	59.53	14.53	2.99
4	1.34	-3.91	62.58	5.65	5.65	12.08	12.79	1.53
5	1.74	6.80	77.20	5.65	5.65	18.41	41.28	2.85

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	-0.16	-0.002	0.00
2	0.48	-14.88	-0.141	0.00
3	0.91	-0.91	-0.009	0.00
4	1.34	13.72	0.130	0.00
5	1.74	2.48	0.024	0.00

Verifica sezioni trasverso [Combinazione n° 26 - SLE (Frequente)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	-6.48	75.65	5.65	5.65	37.87	17.85	2.71
2	0.48	3.33	50.57	5.65	5.65	10.62	11.85	1.32
3	0.91	6.52	42.57	5.65	5.65	12.11	65.06	2.91
4	1.34	2.70	52.32	5.65	5.65	9.61	4.34	1.02
5	1.74	-6.80	77.23	5.65	5.65	41.26	18.41	2.85

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	3.56	0.034	0.00
2	0.48	14.67	0.139	0.00
3	0.91	0.28	0.003	0.00
4	1.34	-13.28	-0.126	0.00
5	1.74	-1.31	-0.012	0.00

Verifica sezioni fondazione [Combinazione n° 27 - SLE (Rara)]

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	10.88	79.81	5.65	5.65	21.95	101.02	4.82
2	0.48	-1.65	61.54	5.65	5.65	2.31	8.12	0.70

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

3	0.91	-6.69	53.01	5.65	5.65	58.90	14.25	2.94
4	1.34	-3.32	62.34	5.65	5.65	6.08	11.66	1.26
5	1.74	11.30	81.76	5.65	5.65	22.57	105.89	5.01

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	-4.15	-0.039	0.00
2	0.48	-18.00	-0.171	0.00
3	0.91	-1.36	-0.013	0.00
4	1.34	16.57	0.157	0.00
5	1.74	7.24	0.069	0.00

Verifica sezioni traverso [Combinazione n° 27 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	-10.88	79.92	5.65	5.65	100.93	21.97	4.82
2	0.48	-3.42	57.01	5.65	5.65	9.40	11.40	1.33
3	0.91	-0.62	49.23	5.65	5.65	3.08	5.27	0.41
4	1.34	-4.26	59.04	5.65	5.65	18.48	12.95	1.72
5	1.74	-11.30	82.02	5.65	5.65	105.67	22.62	5.01

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	-0.22	-0.002	0.00
2	0.48	13.34	0.127	0.00
3	0.91	0.19	0.002	0.00
4	1.34	-12.01	-0.114	0.00
5	1.74	3.22	0.031	0.00

Verifica sezioni fondazione [Combinazione n° 28 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

Verifiche presso-flessione

N°	X	M	N	$A_{fi}$	$A_{fs}$	$\sigma_{fs}$	$\sigma_{fi}$	$\sigma_c$
1	0.08	9.27	79.85	5.65	5.65	20.92	76.14	4.04
2	0.48	-2.05	63.01	5.65	5.65	1.54	8.99	0.80
3	0.91	-6.89	54.70	5.65	5.65	60.53	14.70	3.03
4	1.34	-3.72	63.78	5.65	5.65	9.43	12.56	1.44
5	1.74	9.69	81.80	5.65	5.65	21.56	80.97	4.23

Verifiche taglio

N°	X	V	$\tau_c$	$A_{sw}$
1	0.08	-2.45	-0.023	0.00
2	0.48	-17.16	-0.163	0.00
3	0.91	-1.40	-0.013	0.00
4	1.34	15.66	0.149	0.00
5	1.74	5.54	0.053	0.00

Verifica sezioni traverso [Combinazione n° 28 - SLE (Rara)]

Base sezione B = 100 cm

Altezza sezione H = 16.00 cm

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Verifiche presso-flessione

N°	X	M	N	A <sub>fi</sub>	A <sub>fs</sub>	σ <sub>fs</sub>	σ <sub>fi</sub>	σ <sub>c</sub>
1	0.08	-9.27	79.87	5.65	5.65	76.12	20.92	4.04
2	0.48	-0.60	55.53	5.65	5.65	3.65	5.76	0.44
3	0.91	2.40	47.53	5.65	5.65	8.61	3.44	0.90
4	1.34	-1.44	57.61	5.65	5.65	2.34	7.42	0.63
5	1.74	-9.69	81.98	5.65	5.65	80.82	21.60	4.23

Verifiche taglio

N°	X	V	τ <sub>c</sub>	A <sub>sw</sub>
1	0.08	1.47	0.014	0.00
2	0.48	14.18	0.135	0.00
3	0.91	0.15	0.001	0.00
4	1.34	-12.92	-0.123	0.00
5	1.74	1.52	0.014	0.00



## Verifiche fessurazione

Simbologia adottata ed unità di misura

N° Indice sezione

$X_i$  Ascissa/Ordinata sezione, espresso in m

$M_p$  Momento, espresse in kNm

$M_n$  Momento, espresse in kNm

$w_k$  Ampiezza fessure, espresse in mm

$w_{lim}$  Apertura limite fessure, espresse in mm

$s$  Distanza media tra le fessure, espresse in mm

$\epsilon_{sm}$  Deformazione nelle fessure, espresse in [%]

### Verifica fessurazione fondazione [Combinazione n° 19 - SLE (Quasi Permanente)]

N°	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.61	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 19 - SLE (Quasi Permanente)]

N°	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.28	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000

### Verifica fessurazione fondazione [Combinazione n° 20 - SLE (Frequente)]

N°	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.65	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.80	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.80	0.00	0.30	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 20 - SLE (Frequente)]

N°	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	11.69	-11.69	-6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	6.52	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.70	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.80	0.00	0.30	0.00	0.000000

### Verifica fessurazione fondazione [Combinazione n° 21 - SLE (Frequente)]

N°	X	$A_{fi}$	$A_{fs}$	$M_p$	$M_n$	M	w	$w_{lim}$	$S_m$	$\epsilon_{sm}$
1	0.08	5.65	5.65	14.02	-14.02	4.47	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-3.15	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.04	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.41	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	4.79	0.00	0.30	0.00	0.000000

### Verifica fessurazione traverso [Combinazione n° 21 - SLE (Frequente)]

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N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-4.47	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	6.86	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	10.29	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	6.23	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-4.79	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 22 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	4.44	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-3.24	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.49	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-4.92	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	4.86	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 22 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-4.44	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	7.86	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	11.46	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	7.02	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-4.86	0.00	100.00	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 23 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	2.83	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-3.64	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-7.69	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-5.32	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	3.25	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 23 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-2.83	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	10.68	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	14.48	0.13	100.00	142.87	0.000053
4	1.34	5.65	5.65	11.69	-11.69	9.84	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-3.25	0.00	100.00	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-5.61	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-2.67	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 24 - SLE (Quasi Permanente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	Mp	Mn	M	w	W <sub>lim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
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Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

1	0.08	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	5.28	0.00	0.20	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.45	0.00	0.20	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-5.38	0.00	0.20	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	8.50	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.15	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.55	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.41	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	8.81	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 25 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-8.50	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	-0.19	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.74	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-0.82	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-8.81	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.65	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.80	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.91	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	6.80	0.00	0.30	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 26 - SLE (Frequente)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-6.48	0.00	0.30	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	3.33	0.00	0.30	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	6.52	0.00	0.30	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	2.70	0.00	0.30	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-6.80	0.00	0.30	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 27 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	10.88	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-1.65	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.69	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.32	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	11.30	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 27 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-10.88	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	-3.42	0.00	100.00	0.00	0.000000

Elaborato

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

3	0.91	5.65	5.65	11.69	-11.69	-0.62	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-4.26	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-11.30	0.00	100.00	0.00	0.000000

**Verifica fessurazione fondazione [Combinazione n° 28 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	14.02	-14.02	9.27	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	14.02	-14.02	-2.05	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	14.02	-14.02	-6.89	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	14.02	-14.02	-3.72	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	14.02	-14.02	9.69	0.00	100.00	0.00	0.000000

**Verifica fessurazione traverso [Combinazione n° 28 - SLE (Rara)]**

N°	X	A <sub>fi</sub>	A <sub>fs</sub>	M <sub>p</sub>	M <sub>n</sub>	M	w	W <sub>tim</sub>	S <sub>m</sub>	ε <sub>sm</sub>
1	0.08	5.65	5.65	11.69	-11.69	-9.27	0.00	100.00	0.00	0.000000
2	0.48	5.65	5.65	11.69	-11.69	-0.60	0.00	100.00	0.00	0.000000
3	0.91	5.65	5.65	11.69	-11.69	2.40	0.00	100.00	0.00	0.000000
4	1.34	5.65	5.65	11.69	-11.69	-1.44	0.00	100.00	0.00	0.000000
5	1.74	5.65	5.65	11.69	-11.69	-9.69	0.00	100.00	0.00	0.000000

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

Inviluppo spostamenti nodali

Inviluppo spostamenti fondazione

X [m]	$u_{Xmin}$ [cm]	$u_{Xmax}$ [cm]	$u_{Ymin}$ [cm]	$u_{Ymax}$ [cm]
0.08	-0.0131	1.5550	2.9555	5.7474
0.48	-0.0014	0.8755	3.3378	6.0279
0.91	0.0000	0.7631	3.7415	6.3348
1.34	0.0008	0.8762	3.7572	6.6546
1.74	0.0081	1.5669	3.7637	6.9699

Inviluppo spostamenti traverso

X [m]	$u_{Xmin}$ [cm]	$u_{Xmax}$ [cm]	$u_{Ymin}$ [cm]	$u_{Ymax}$ [cm]
0.08	-0.0131	1.5550	2.9555	5.7474
0.48	-0.0015	2.2445	3.3476	6.0737
0.91	0.0000	2.3580	3.7580	6.3987
1.34	0.0009	2.2457	3.7701	6.7013
1.74	0.0081	1.5669	3.7637	6.9699

Inviluppo sollecitazioni nodali

Inviluppo sollecitazioni fondazione

X [m]	$M_{min}$ [kNm]	$M_{max}$ [kNm]	$V_{min}$ [kN]	$V_{max}$ [kN]	$N_{min}$ [kN]	$N_{max}$ [kN]
0.08	-14.91	-1.76	-6.02	6.71	61.16	107.38
0.48	0.02	4.77	-23.98	-8.03	50.36	94.50
0.91	3.07	10.07	-4.21	0.92	44.82	84.87
1.34	2.10	7.29	4.23	21.74	52.56	94.92
1.74	-15.54	-2.37	-2.08	10.66	63.21	110.31

Inviluppo sollecitazioni traverso

X [m]	$M_{min}$ [kNm]	$M_{max}$ [kNm]	$V_{min}$ [kN]	$V_{max}$ [kN]	$N_{min}$ [kN]	$N_{max}$ [kN]
0.08	-14.91	-1.76	-0.76	11.98	61.02	107.24
0.48	-5.77	15.37	7.04	23.15	42.34	78.21
0.91	-2.31	20.34	-0.96	1.17	35.36	68.34
1.34	-7.03	14.11	-22.06	-7.58	42.90	81.12
1.74	-15.54	-2.37	-7.49	5.25	63.18	110.39

Inviluppo pressioni terreno

Inviluppo pressioni sul terreno di fondazione

X [m]	$\sigma_{min}$ [MPa]	$\sigma_{max}$ [MPa]
0.08	0.071	0.138
0.48	0.080	0.145
0.91	0.090	0.152
1.34	0.090	0.160
1.74	0.090	0.167

Inviluppo verifiche stato limite ultimo (SLU)

Verifica sezioni fondazione (Inviluppo)

Base sezione B = 100 cm  
Altezza sezione H = 16.00 cm

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.83
0.48	5.65	5.65	10.58
0.91	5.65	5.65	4.81
1.34	5.65	5.65	6.50
1.74	5.65	5.65	2.87

X	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
0.08	81.03	0.00	0.00	0.00
0.48	79.55	0.00	0.00	0.00
0.91	78.43	0.00	0.00	0.00
1.34	79.22	0.00	0.00	0.00
1.74	81.03	0.00	0.00	0.00

**Verifica sezioni trasverso (Inviluppo)**

Base sezione B = 100 cm  
 Altezza sezione H = 16.00 cm

X	A <sub>fi</sub>	A <sub>fs</sub>	CS
0.08	5.65	5.65	2.99
0.48	5.65	5.65	1.97
0.91	5.65	5.65	1.63
1.34	5.65	5.65	2.20
1.74	5.65	5.65	2.72

X	V <sub>Rd</sub>	V <sub>Rsd</sub>	V <sub>Rcd</sub>	A <sub>sw</sub>
0.08	71.45	0.00	0.00	0.00
0.48	68.51	0.00	0.00	0.00
0.91	67.42	0.00	0.00	0.00
1.34	68.43	0.00	0.00	0.00
1.74	71.45	0.00	0.00	0.00

## Verifiche geotecniche

### Simbologia adottata

IC Indice della combinazione

$N_c, N_q, N_\gamma$  Fattori di capacità portante

$N_c, N_q, N_\gamma$  Fattori di capacità portante corretti per effetto forma, inclinazione del carico, affondamento, etc.

$q_u$  Portanza ultima del terreno, espressa in [MPa]

$Q_v$  Portanza ultima del terreno, espressa in [kN]/m

$Q_v$  Carico verticale al piano di posa, espressa in [kN]/m

FS Fattore di sicurezza a carico limite

IC	$N_c$	$N_q$	$N_\gamma$	$N'_c$	$N'_q$	$N'_\gamma$	$q_u$	$Q_U$	$Q_V$	FS
1	16.88	7.82	4.07	32.36	11.36	5.91	1.420	2583.62	177.91	14.52
2	13.03	5.21	1.97	24.04	7.39	2.79	0.898	1634.62	136.86	11.94
3	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
4	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
5	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
6	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
7	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
8	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
9	16.88	7.82	4.07	29.95	10.65	4.69	1.263	2298.89	230.97	9.95
10	13.03	5.21	1.97	22.09	6.87	1.98	0.784	1426.52	182.84	7.80
11	16.88	7.82	4.07	28.29	10.06	3.59	1.126	2048.94	136.41	15.02
12	16.88	7.82	4.07	28.31	10.07	3.60	1.127	2051.92	137.30	14.94
13	13.03	5.21	1.97	21.00	6.53	1.45	0.708	1288.57	137.30	9.38
14	13.03	5.21	1.97	20.98	6.52	1.44	0.707	1286.62	136.41	9.43
15	16.88	7.82	4.07	28.29	10.06	3.59	1.126	2048.94	136.41	15.02
16	16.88	7.82	4.07	28.31	10.07	3.60	1.127	2051.92	137.30	14.94
17	13.03	5.21	1.97	21.00	6.53	1.45	0.708	1288.57	137.30	9.38
18	13.03	5.21	1.97	20.98	6.52	1.44	0.707	1286.62	136.41	9.43

## Schema Strutturale

### Area ed Inerzia elementi

Destinazione	Area [cmq]	Inerzia [cm <sup>4</sup> ]
Fondazione	1600.00	34133.33
Piedritto sinistro	9000.00	6075000.00
Piedritto destro	9000.00	6075000.00
Traverso	1600.00	34133.33

### Simbologia adottata ed unità di misura

*N* indice elemento  
*N<sub>i</sub>* indice nodo iniziale elemento  
*N<sub>f</sub>* indice nodo finale elemento  
(*X<sub>i</sub>*, *Y<sub>i</sub>*) coordinate nodo iniziale, espresse in cm  
(*X<sub>f</sub>*, *Y<sub>f</sub>*) coordinate nodo finale, espresse in cm  
*Dest* appartenenza elemento

N	N <sub>i</sub>	N <sub>f</sub>	X <sub>i</sub>	Y <sub>i</sub>	X <sub>f</sub>	Y <sub>f</sub>	Dest
1	1	4	8.00	91.00	8.10	86.93	PiedR
2	4	10	8.10	86.93	8.40	82.86	PiedR
3	10	16	8.40	82.86	8.90	78.82	PiedR
4	16	22	8.90	78.82	9.59	74.81	PiedR
5	22	28	9.59	74.81	10.49	70.83	PiedR
6	28	34	10.49	70.83	11.57	66.91	PiedR
7	34	40	11.57	66.91	12.85	63.04	PiedR
8	40	46	12.85	63.04	14.32	59.24	PiedR
9	46	52	14.32	59.24	15.97	55.51	PiedR
10	52	58	15.97	55.51	17.80	51.87	PiedR
11	58	64	17.80	51.87	19.81	48.33	PiedR
12	64	70	19.81	48.33	21.99	44.89	PiedR
13	70	76	21.99	44.89	24.33	41.56	PiedR
14	76	82	24.33	41.56	26.84	38.35	PiedR
15	82	88	26.84	38.35	29.50	35.26	PiedR
16	88	94	29.50	35.26	32.31	32.31	PiedR
17	94	100	32.31	32.31	35.26	29.50	PiedR
18	100	106	35.26	29.50	38.35	26.84	PiedR
19	106	112	38.35	26.84	41.56	24.33	PiedR
20	112	118	41.56	24.33	44.89	21.99	PiedR
21	118	124	44.89	21.99	48.33	19.81	PiedR
22	124	130	48.33	19.81	51.87	17.80	PiedR
23	130	136	51.87	17.80	55.51	15.97	PiedR
24	136	142	55.51	15.97	59.24	14.32	PiedR
25	142	148	59.24	14.32	63.04	12.85	PiedR
26	148	154	63.04	12.85	66.91	11.57	PiedR
27	154	160	66.91	11.57	70.83	10.49	PiedR
28	160	166	70.83	10.49	74.81	9.59	PiedR
29	166	172	74.81	9.59	78.82	8.90	PiedR
30	172	178	78.82	8.90	82.86	8.40	PiedR
31	178	184	82.86	8.40	86.93	8.10	PiedR
32	184	190	86.93	8.10	91.00	8.00	PiedR
33	190	196	91.00	8.00	95.07	8.10	PiedR
34	196	202	95.07	8.10	99.14	8.40	PiedR
35	202	208	99.14	8.40	103.18	8.90	PiedR
36	208	214	103.18	8.90	107.19	9.59	PiedR
37	214	220	107.19	9.59	111.17	10.49	PiedR
38	220	226	111.17	10.49	115.09	11.57	PiedR
39	226	232	115.09	11.57	118.96	12.85	PiedR
40	232	238	118.96	12.85	122.76	14.32	PiedR
41	238	244	122.76	14.32	126.49	15.97	PiedR
42	244	250	126.49	15.97	130.13	17.80	PiedR
43	250	256	130.13	17.80	133.67	19.81	PiedR
44	256	262	133.67	19.81	137.11	21.99	PiedR
45	262	268	137.11	21.99	140.44	24.33	PiedR
46	268	274	140.44	24.33	143.65	26.84	PiedR
47	274	280	143.65	26.84	146.74	29.50	PiedR
48	280	286	146.74	29.50	149.69	32.31	PiedR
49	286	292	149.69	32.31	152.50	35.26	PiedR



**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

50	292	298	152.50	35.26	155.16	38.35	PiedR
51	298	304	155.16	38.35	157.67	41.56	PiedR
52	304	310	157.67	41.56	160.01	44.89	PiedR
53	310	316	160.01	44.89	162.19	48.33	PiedR
54	316	322	162.19	48.33	164.20	51.87	PiedR
55	322	328	164.20	51.87	166.03	55.51	PiedR
56	328	334	166.03	55.51	167.68	59.24	PiedR
57	334	340	167.68	59.24	169.15	63.04	PiedR
58	340	346	169.15	63.04	170.43	66.91	PiedR
59	346	352	170.43	66.91	171.51	70.83	PiedR
60	352	358	171.51	70.83	172.41	74.81	PiedR
61	358	364	172.41	74.81	173.10	78.82	PiedR
62	364	370	173.10	78.82	173.60	82.86	PiedR
63	370	376	173.60	82.86	173.90	86.93	PiedR
64	376	382	173.90	86.93	174.00	91.00	PiedR
65	1	7	8.00	91.00	8.10	95.07	Trav
66	7	13	8.10	95.07	8.40	99.14	Trav
67	13	19	8.40	99.14	8.90	103.18	Trav
68	19	25	8.90	103.18	9.59	107.19	Trav
69	25	31	9.59	107.19	10.49	111.17	Trav
70	31	37	10.49	111.17	11.57	115.09	Trav
71	37	43	11.57	115.09	12.85	118.96	Trav
72	43	49	12.85	118.96	14.32	122.76	Trav
73	49	55	14.32	122.76	15.97	126.49	Trav
74	55	61	15.97	126.49	17.80	130.13	Trav
75	61	67	17.80	130.13	19.81	133.67	Trav
76	67	73	19.81	133.67	21.99	137.11	Trav
77	73	79	21.99	137.11	24.33	140.44	Trav
78	79	85	24.33	140.44	26.84	143.65	Trav
79	85	91	26.84	143.65	29.50	146.74	Trav
80	91	97	29.50	146.74	32.31	149.69	Trav
81	97	103	32.31	149.69	35.26	152.50	Trav
82	103	109	35.26	152.50	38.35	155.16	Trav
83	109	115	38.35	155.16	41.56	157.67	Trav
84	115	121	41.56	157.67	44.89	160.01	Trav
85	121	127	44.89	160.01	48.33	162.19	Trav
86	127	133	48.33	162.19	51.87	164.20	Trav
87	133	139	51.87	164.20	55.51	166.03	Trav
88	139	145	55.51	166.03	59.24	167.68	Trav
89	145	151	59.24	167.68	63.04	169.15	Trav
90	151	157	63.04	169.15	66.91	170.43	Trav
91	157	163	66.91	170.43	70.83	171.51	Trav
92	163	169	70.83	171.51	74.81	172.41	Trav
93	169	175	74.81	172.41	78.82	173.10	Trav
94	175	181	78.82	173.10	82.86	173.60	Trav
95	181	187	82.86	173.60	86.93	173.90	Trav
96	187	193	86.93	173.90	91.00	174.00	Trav
97	193	199	91.00	174.00	95.07	173.90	Trav
98	199	205	95.07	173.90	99.14	173.60	Trav
99	205	211	99.14	173.60	103.18	173.10	Trav
100	211	217	103.18	173.10	107.19	172.41	Trav
101	217	223	107.19	172.41	111.17	171.51	Trav
102	223	229	111.17	171.51	115.09	170.43	Trav
103	229	235	115.09	170.43	118.96	169.15	Trav
104	235	241	118.96	169.15	122.76	167.68	Trav
105	241	247	122.76	167.68	126.49	166.03	Trav
106	247	253	126.49	166.03	130.13	164.20	Trav
107	253	259	130.13	164.20	133.67	162.19	Trav
108	259	265	133.67	162.19	137.11	160.01	Trav
109	265	271	137.11	160.01	140.44	157.67	Trav
110	271	277	140.44	157.67	143.65	155.16	Trav
111	277	283	143.65	155.16	146.74	152.50	Trav
112	283	289	146.74	152.50	149.69	149.69	Trav
113	289	295	149.69	149.69	152.50	146.74	Trav
114	295	301	152.50	146.74	155.16	143.65	Trav
115	301	307	155.16	143.65	157.67	140.44	Trav
116	307	313	157.67	140.44	160.01	137.11	Trav
117	313	319	160.01	137.11	162.19	133.67	Trav
118	319	325	162.19	133.67	164.20	130.13	Trav

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

119	325	331	164.20	130.13	166.03	126.49	Trav
120	331	337	166.03	126.49	167.68	122.76	Trav
121	337	343	167.68	122.76	169.15	118.96	Trav
122	343	349	169.15	118.96	170.43	115.09	Trav
123	349	355	170.43	115.09	171.51	111.17	Trav
124	355	361	171.51	111.17	172.41	107.19	Trav
125	361	367	172.41	107.19	173.10	103.18	Trav
126	367	373	173.10	103.18	173.60	99.14	Trav
127	373	379	173.60	99.14	173.90	95.07	Trav
128	379	382	173.90	95.07	174.00	91.00	Trav
129	1	2	8.00	91.00	-92.00	91.00	MollaPR
130	1	3	8.00	91.00	8.00	-9.00	MollaPR
131	4	5	8.10	86.93	-91.90	86.93	MollaPR
132	4	6	8.10	86.93	8.10	-13.07	MollaPR
133	7	8	8.10	95.07	-91.90	95.07	MollaPR
134	7	9	8.10	95.07	8.10	195.07	MollaPR
135	10	11	8.40	82.86	-91.60	82.86	MollaPR
136	10	12	8.40	82.86	8.40	-17.14	MollaPR
137	13	14	8.40	99.14	-91.60	99.14	MollaPR
138	13	15	8.40	99.14	8.40	199.14	MollaPR
139	16	17	8.90	78.82	-91.10	78.82	MollaPR
140	16	18	8.90	78.82	8.90	-21.18	MollaPR
141	19	20	8.90	103.18	-91.10	103.18	MollaPR
142	19	21	8.90	103.18	8.90	203.18	MollaPR
143	22	23	9.59	74.81	-90.41	74.81	MollaPR
144	22	24	9.59	74.81	9.59	-25.19	MollaPR
145	25	26	9.59	107.19	-90.41	107.19	MollaPR
146	25	27	9.59	107.19	9.59	207.19	MollaPR
147	28	29	10.49	70.83	-89.51	70.83	MollaPR
148	28	30	10.49	70.83	10.49	-29.17	MollaPR
149	31	32	10.49	111.17	-89.51	111.17	MollaPR
150	31	33	10.49	111.17	10.49	211.17	MollaPR
151	34	35	11.57	66.91	-88.43	66.91	MollaPR
152	34	36	11.57	66.91	11.57	-33.09	MollaPR
153	37	38	11.57	115.09	-88.43	115.09	MollaPR
154	37	39	11.57	115.09	11.57	215.09	MollaPR
155	40	41	12.85	63.04	-87.15	63.04	MollaPR
156	40	42	12.85	63.04	12.85	-36.96	MollaPR
157	43	44	12.85	118.96	-87.15	118.96	MollaPR
158	43	45	12.85	118.96	12.85	218.96	MollaPR
159	46	47	14.32	59.24	-85.68	59.24	MollaPR
160	46	48	14.32	59.24	14.32	-40.76	MollaPR
161	49	50	14.32	122.76	-85.68	122.76	MollaPR
162	49	51	14.32	122.76	14.32	222.76	MollaPR
163	52	53	15.97	55.51	-84.03	55.51	MollaPR
164	52	54	15.97	55.51	15.97	-44.49	MollaPR
165	55	56	15.97	126.49	-84.03	126.49	MollaPR
166	55	57	15.97	126.49	15.97	226.49	MollaPR
167	58	59	17.80	51.87	-82.20	51.87	MollaPR
168	58	60	17.80	51.87	17.80	-48.13	MollaPR
169	61	62	17.80	130.13	-82.20	130.13	MollaPR
170	61	63	17.80	130.13	17.80	230.13	MollaPR
171	64	65	19.81	48.33	-80.19	48.33	MollaPR
172	64	66	19.81	48.33	19.81	-51.67	MollaPR
173	67	68	19.81	133.67	-80.19	133.67	MollaPR
174	67	69	19.81	133.67	19.81	233.67	MollaPR
175	70	71	21.99	44.89	-78.01	44.89	MollaPR
176	70	72	21.99	44.89	21.99	-55.11	MollaPR
177	73	74	21.99	137.11	-78.01	137.11	MollaPR
178	73	75	21.99	137.11	21.99	237.11	MollaPR
179	76	77	24.33	41.56	-75.67	41.56	MollaPR
180	76	78	24.33	41.56	24.33	-58.44	MollaPR
181	79	80	24.33	140.44	-75.67	140.44	MollaPR
182	79	81	24.33	140.44	24.33	240.44	MollaPR
183	82	83	26.84	38.35	-73.16	38.35	MollaPR
184	82	84	26.84	38.35	26.84	-61.65	MollaPR
185	85	86	26.84	143.65	-73.16	143.65	MollaPR
186	85	87	26.84	143.65	26.84	243.65	MollaPR
187	88	89	29.50	35.26	-70.50	35.26	MollaPR

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

188	88	90	29.50	35.26	29.50	-64.74	MollaPR
189	91	92	29.50	146.74	-70.50	146.74	MollaPR
190	91	93	29.50	146.74	29.50	246.74	MollaPR
191	94	95	32.31	32.31	-67.69	32.31	MollaPR
192	94	96	32.31	32.31	32.31	-67.69	MollaPR
193	97	98	32.31	149.69	-67.69	149.69	MollaPR
194	97	99	32.31	149.69	32.31	249.69	MollaPR
195	100	101	35.26	29.50	-64.74	29.50	MollaPR
196	100	102	35.26	29.50	35.26	-70.50	MollaPR
197	103	104	35.26	152.50	-64.74	152.50	MollaPR
198	103	105	35.26	152.50	35.26	252.50	MollaPR
199	106	107	38.35	26.84	-61.65	26.84	MollaPR
200	106	108	38.35	26.84	38.35	-73.16	MollaPR
201	109	110	38.35	155.16	-61.65	155.16	MollaPR
202	109	111	38.35	155.16	38.35	255.16	MollaPR
203	112	113	41.56	24.33	-58.44	24.33	MollaPR
204	112	114	41.56	24.33	41.56	-75.67	MollaPR
205	115	116	41.56	157.67	-58.44	157.67	MollaPR
206	115	117	41.56	157.67	41.56	257.67	MollaPR
207	118	119	44.89	21.99	-55.11	21.99	MollaPR
208	118	120	44.89	21.99	44.89	-78.01	MollaPR
209	121	122	44.89	160.01	-55.11	160.01	MollaPR
210	121	123	44.89	160.01	44.89	260.01	MollaPR
211	124	125	48.33	19.81	-51.67	19.81	MollaPR
212	124	126	48.33	19.81	48.33	-80.19	MollaPR
213	127	128	48.33	162.19	-51.67	162.19	MollaPR
214	127	129	48.33	162.19	48.33	262.19	MollaPR
215	130	131	51.87	17.80	-48.13	17.80	MollaPR
216	130	132	51.87	17.80	51.87	-82.20	MollaPR
217	133	134	51.87	164.20	-48.13	164.20	MollaPR
218	133	135	51.87	164.20	51.87	264.20	MollaPR
219	136	137	55.51	15.97	-44.49	15.97	MollaPR
220	136	138	55.51	15.97	55.51	-84.03	MollaPR
221	139	140	55.51	166.03	-44.49	166.03	MollaPR
222	139	141	55.51	166.03	55.51	266.03	MollaPR
223	142	143	59.24	14.32	-40.76	14.32	MollaPR
224	142	144	59.24	14.32	59.24	-85.68	MollaPR
225	145	146	59.24	167.68	-40.76	167.68	MollaPR
226	145	147	59.24	167.68	59.24	267.68	MollaPR
227	148	149	63.04	12.85	-36.96	12.85	MollaPR
228	148	150	63.04	12.85	63.04	-87.15	MollaPR
229	151	152	63.04	169.15	-36.96	169.15	MollaPR
230	151	153	63.04	169.15	63.04	269.15	MollaPR
231	154	155	66.91	11.57	-33.09	11.57	MollaPR
232	154	156	66.91	11.57	66.91	-88.43	MollaPR
233	157	158	66.91	170.43	-33.09	170.43	MollaPR
234	157	159	66.91	170.43	66.91	270.43	MollaPR
235	160	161	70.83	10.49	-29.17	10.49	MollaPR
236	160	162	70.83	10.49	70.83	-89.51	MollaPR
237	163	164	70.83	171.51	-29.17	171.51	MollaPR
238	163	165	70.83	171.51	70.83	271.51	MollaPR
239	166	167	74.81	9.59	-25.19	9.59	MollaPR
240	166	168	74.81	9.59	74.81	-90.41	MollaPR
241	169	170	74.81	172.41	-25.19	172.41	MollaPR
242	169	171	74.81	172.41	74.81	272.41	MollaPR
243	172	173	78.82	8.90	-21.18	8.90	MollaPR
244	172	174	78.82	8.90	78.82	-91.10	MollaPR
245	175	176	78.82	173.10	-21.18	173.10	MollaPR
246	175	177	78.82	173.10	78.82	273.10	MollaPR
247	178	179	82.86	8.40	-17.14	8.40	MollaPR
248	178	180	82.86	8.40	82.86	-91.60	MollaPR
249	181	182	82.86	173.60	-17.14	173.60	MollaPR
250	181	183	82.86	173.60	82.86	273.60	MollaPR
251	184	185	86.93	8.10	-13.07	8.10	MollaPR
252	184	186	86.93	8.10	86.93	-91.90	MollaPR
253	187	188	86.93	173.90	-13.07	173.90	MollaPR
254	187	189	86.93	173.90	86.93	273.90	MollaPR
255	190	191	91.00	8.00	91.00	8.00	MollaPR
256	190	192	91.00	8.00	91.00	-92.00	MollaPR

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**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

257	193	194	91.00	174.00	191.00	174.00	MollaPR
258	193	195	91.00	174.00	91.00	274.00	MollaPR
259	196	197	95.07	8.10	195.07	8.10	MollaPR
260	196	198	95.07	8.10	95.07	-91.90	MollaPR
261	199	200	95.07	173.90	195.07	173.90	MollaPR
262	199	201	95.07	173.90	95.07	273.90	MollaPR
263	202	203	99.14	8.40	199.14	8.40	MollaPR
264	202	204	99.14	8.40	99.14	-91.60	MollaPR
265	205	206	99.14	173.60	199.14	173.60	MollaPR
266	205	207	99.14	173.60	99.14	273.60	MollaPR
267	208	209	103.18	8.90	203.18	8.90	MollaPR
268	208	210	103.18	8.90	103.18	-91.10	MollaPR
269	211	212	103.18	173.10	203.18	173.10	MollaPR
270	211	213	103.18	173.10	103.18	273.10	MollaPR
271	214	215	107.19	9.59	207.19	9.59	MollaPR
272	214	216	107.19	9.59	107.19	-90.41	MollaPR
273	217	218	107.19	172.41	207.19	172.41	MollaPR
274	217	219	107.19	172.41	107.19	272.41	MollaPR
275	220	221	111.17	10.49	211.17	10.49	MollaPR
276	220	222	111.17	10.49	111.17	-89.51	MollaPR
277	223	224	111.17	171.51	211.17	171.51	MollaPR
278	223	225	111.17	171.51	111.17	271.51	MollaPR
279	226	227	115.09	11.57	215.09	11.57	MollaPR
280	226	228	115.09	11.57	115.09	-88.43	MollaPR
281	229	230	115.09	170.43	215.09	170.43	MollaPR
282	229	231	115.09	170.43	115.09	270.43	MollaPR
283	232	233	118.96	12.85	218.96	12.85	MollaPR
284	232	234	118.96	12.85	118.96	-87.15	MollaPR
285	235	236	118.96	169.15	218.96	169.15	MollaPR
286	235	237	118.96	169.15	118.96	269.15	MollaPR
287	238	239	122.76	14.32	222.76	14.32	MollaPR
288	238	240	122.76	14.32	122.76	-85.68	MollaPR
289	241	242	122.76	167.68	222.76	167.68	MollaPR
290	241	243	122.76	167.68	122.76	267.68	MollaPR
291	244	245	126.49	15.97	226.49	15.97	MollaPR
292	244	246	126.49	15.97	126.49	-84.03	MollaPR
293	247	248	126.49	166.03	226.49	166.03	MollaPR
294	247	249	126.49	166.03	126.49	266.03	MollaPR
295	250	251	130.13	17.80	230.13	17.80	MollaPR
296	250	252	130.13	17.80	130.13	-82.20	MollaPR
297	253	254	130.13	164.20	230.13	164.20	MollaPR
298	253	255	130.13	164.20	130.13	264.20	MollaPR
299	256	257	133.67	19.81	233.67	19.81	MollaPR
300	256	258	133.67	19.81	133.67	-80.19	MollaPR
301	259	260	133.67	162.19	233.67	162.19	MollaPR
302	259	261	133.67	162.19	133.67	262.19	MollaPR
303	262	263	137.11	21.99	237.11	21.99	MollaPR
304	262	264	137.11	21.99	137.11	-78.01	MollaPR
305	265	266	137.11	160.01	237.11	160.01	MollaPR
306	265	267	137.11	160.01	137.11	260.01	MollaPR
307	268	269	140.44	24.33	240.44	24.33	MollaPR
308	268	270	140.44	24.33	140.44	-75.67	MollaPR
309	271	272	140.44	157.67	240.44	157.67	MollaPR
310	271	273	140.44	157.67	140.44	257.67	MollaPR
311	274	275	143.65	26.84	243.65	26.84	MollaPR
312	274	276	143.65	26.84	143.65	-73.16	MollaPR
313	277	278	143.65	155.16	243.65	155.16	MollaPR
314	277	279	143.65	155.16	143.65	255.16	MollaPR
315	280	281	146.74	29.50	246.74	29.50	MollaPR
316	280	282	146.74	29.50	146.74	-70.50	MollaPR
317	283	284	146.74	152.50	246.74	152.50	MollaPR
318	283	285	146.74	152.50	146.74	252.50	MollaPR
319	286	287	149.69	32.31	249.69	32.31	MollaPR
320	286	288	149.69	32.31	149.69	-67.69	MollaPR
321	289	290	149.69	149.69	249.69	149.69	MollaPR
322	289	291	149.69	149.69	149.69	249.69	MollaPR
323	292	293	152.50	35.26	252.50	35.26	MollaPR
324	292	294	152.50	35.26	152.50	-64.74	MollaPR
325	295	296	152.50	146.74	252.50	146.74	MollaPR

**TOMBINI CIRCOLARI – RELAZIONE DESCRITTIVA E DI CALCOLO**

326	295	297	152.50	146.74	152.50	246.74	MollaPR
327	298	299	155.16	38.35	255.16	38.35	MollaPR
328	298	300	155.16	38.35	155.16	-61.65	MollaPR
329	301	302	155.16	143.65	255.16	143.65	MollaPR
330	301	303	155.16	143.65	155.16	243.65	MollaPR
331	304	305	157.67	41.56	257.67	41.56	MollaPR
332	304	306	157.67	41.56	157.67	-58.44	MollaPR
333	307	308	157.67	140.44	257.67	140.44	MollaPR
334	307	309	157.67	140.44	157.67	240.44	MollaPR
335	310	311	160.01	44.89	260.01	44.89	MollaPR
336	310	312	160.01	44.89	160.01	-55.11	MollaPR
337	313	314	160.01	137.11	260.01	137.11	MollaPR
338	313	315	160.01	137.11	160.01	237.11	MollaPR
339	316	317	162.19	48.33	262.19	48.33	MollaPR
340	316	318	162.19	48.33	162.19	-51.67	MollaPR
341	319	320	162.19	133.67	262.19	133.67	MollaPR
342	319	321	162.19	133.67	162.19	233.67	MollaPR
343	322	323	164.20	51.87	264.20	51.87	MollaPR
344	322	324	164.20	51.87	164.20	-48.13	MollaPR
345	325	326	164.20	130.13	264.20	130.13	MollaPR
346	325	327	164.20	130.13	164.20	230.13	MollaPR
347	328	329	166.03	55.51	266.03	55.51	MollaPR
348	328	330	166.03	55.51	166.03	-44.49	MollaPR
349	331	332	166.03	126.49	266.03	126.49	MollaPR
350	331	333	166.03	126.49	166.03	226.49	MollaPR
351	334	335	167.68	59.24	267.68	59.24	MollaPR
352	334	336	167.68	59.24	167.68	-40.76	MollaPR
353	337	338	167.68	122.76	267.68	122.76	MollaPR
354	337	339	167.68	122.76	167.68	222.76	MollaPR
355	340	341	169.15	63.04	269.15	63.04	MollaPR
356	340	342	169.15	63.04	169.15	-36.96	MollaPR
357	343	344	169.15	118.96	269.15	118.96	MollaPR
358	343	345	169.15	118.96	169.15	218.96	MollaPR
359	346	347	170.43	66.91	270.43	66.91	MollaPR
360	346	348	170.43	66.91	170.43	-33.09	MollaPR
361	349	350	170.43	115.09	270.43	115.09	MollaPR
362	349	351	170.43	115.09	170.43	215.09	MollaPR
363	352	353	171.51	70.83	271.51	70.83	MollaPR
364	352	354	171.51	70.83	171.51	-29.17	MollaPR
365	355	356	171.51	111.17	271.51	111.17	MollaPR
366	355	357	171.51	111.17	171.51	211.17	MollaPR
367	358	359	172.41	74.81	272.41	74.81	MollaPR
368	358	360	172.41	74.81	172.41	-25.19	MollaPR
369	361	362	172.41	107.19	272.41	107.19	MollaPR
370	361	363	172.41	107.19	172.41	207.19	MollaPR
371	364	365	173.10	78.82	273.10	78.82	MollaPR
372	364	366	173.10	78.82	173.10	-21.18	MollaPR
373	367	368	173.10	103.18	273.10	103.18	MollaPR
374	367	369	173.10	103.18	173.10	203.18	MollaPR
375	370	371	173.60	82.86	273.60	82.86	MollaPR
376	370	372	173.60	82.86	173.60	-17.14	MollaPR
377	373	374	173.60	99.14	273.60	99.14	MollaPR
378	373	375	173.60	99.14	173.60	199.14	MollaPR
379	376	377	173.90	86.93	273.90	86.93	MollaPR
380	376	378	173.90	86.93	173.90	-13.07	MollaPR
381	379	380	173.90	95.07	273.90	95.07	MollaPR
382	379	381	173.90	95.07	173.90	195.07	MollaPR
383	382	383	174.00	91.00	274.00	91.00	MollaPR
384	382	384	174.00	91.00	174.00	-9.00	MollaPR