IMPIANTO AGRI-NATURALISTICO-VOLTAICO (ANaV) CERIGNOLA SAN GIOVANNI IN FONTE

REGIONE PUGLIA
PROVINCIA DI FOGGIA
COMUNE di CERIGNOLA

Progetto per la realizzazione dell'impianto (ANaV) per la produzione di energia elettrica da fonte solare della potenza complessiva di 99,42 MW, sito nel comune di Cerignola, località "San Giovanni in Fonte" e relative opere di connessione nei comuni di Stornarella, Orta Nova e Stornara (FG)

PROGETTO DEFINITIVO

Elaborato:	Titolo:
Rel. 11b.2	Relazione di calcolo preliminare e verifica delle strutture - SSE

Scala:	Formato Stampa:	Codice Identificatore Elaborato
n.a.	A4	Y1CRT40_CalcoliPrelStrutture_11b.2

Progettazione:

Università degli Studi di Firenze
Dr. Enrico Palchetti
Piazzale delle Cascine, 18 - 50121 Firenze
Centralino +39 055 2755800
enrico.palchetti@unifi.it - dagri@pec.unifi.it

ALIA SOCIETA' SEMPLICE
Prof. Arch. Giovanni Campeol
Piazza delle Istituzioni, 22 - 31100 Treviso
Tel. 0422 235343
alia@aliavalutazioni.it - aliasocieta@pec.it

Studio Tecnico Calcarella
Dott. ing. Fabio Calcarella
Via Bartolomeo Ravenna, 14 - 73100 Lecce
Mob. 340 9243575
fabio.calcarella@gmail.com - fabio.calcarella@ingpec.eu

SE.ARCH - S.r.l.
Dott. Stefano Di Stefano
Via del Vigneto, 21 - 39100 Bolzano (BZ) - Italia
serviziarcheologia@pec.it

Industrial service S.r.l.
Via Aliano, 25 - 71042 Bolzano (BZ) - Italia
Tel. 0885 542 07 74
info@industrial-service.it

Consulenza Scientifica:

Politecnico di Bari
Dip. Meccanica Matematica e Management
Prof. Ing. Riccardo Amirante
via Orabona 4 - 70126 Bari
amirante@poliba.it

Committente:

TOZZI GREEN S.p.a.
Via Brigata Ebraica, 50 - 48123 Mezzano (RA)
Tel 0544 525311 Fax 0544 525319
info@tozzigreen.com - tozzi.re@legalmail.it
www.tozzigreen.com

ORDINE INGEGNERI DELLA PROVINCIA DI LECCE
Dott. Ing. FABIO CALCARELLA
N° 1874

Data	Motivo della revisione:	Redatto:	Controllato:	Approvato:
Marzo 2021	Prima emissione	STC	FC	Tozzi Green

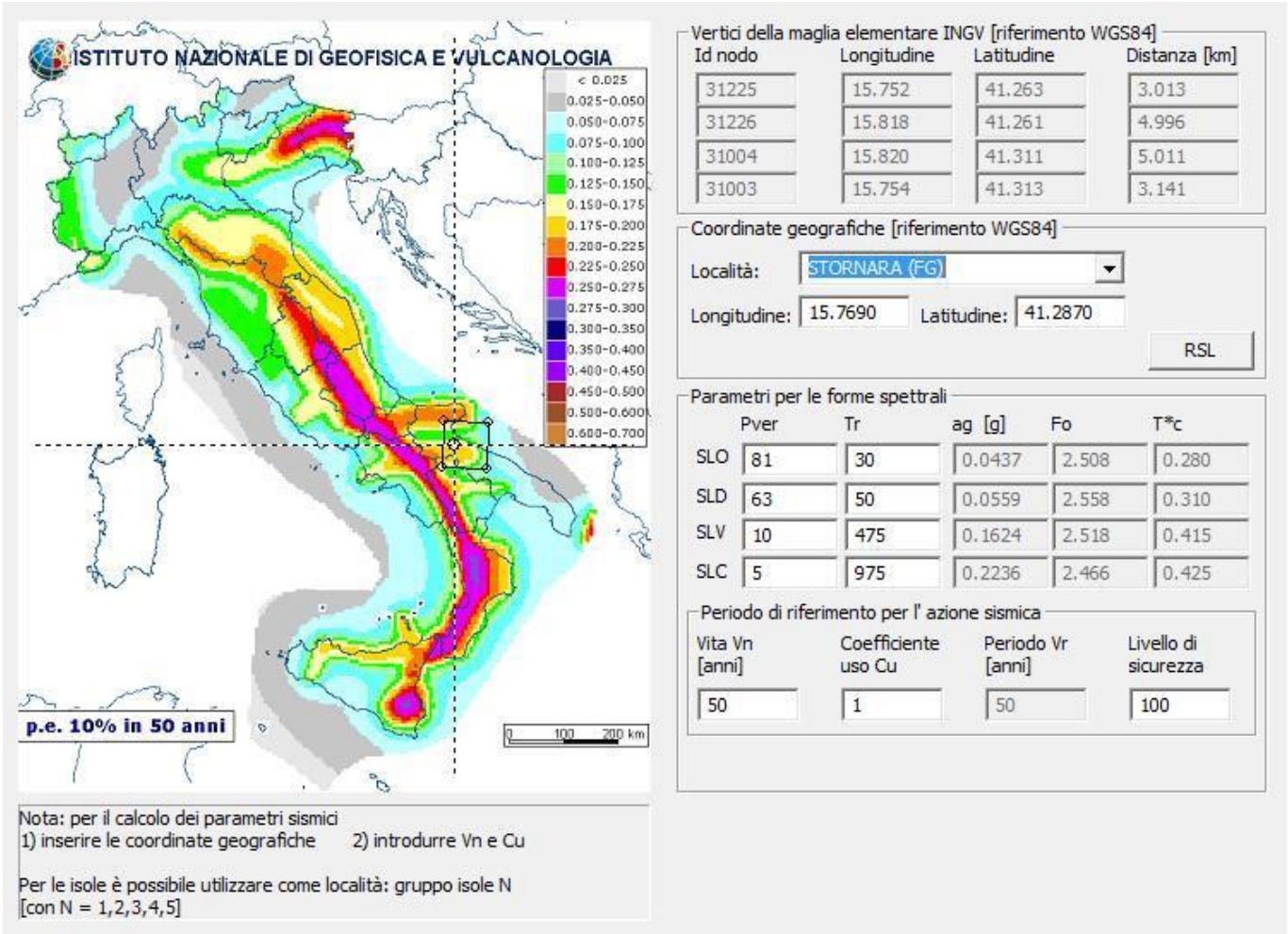
NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte

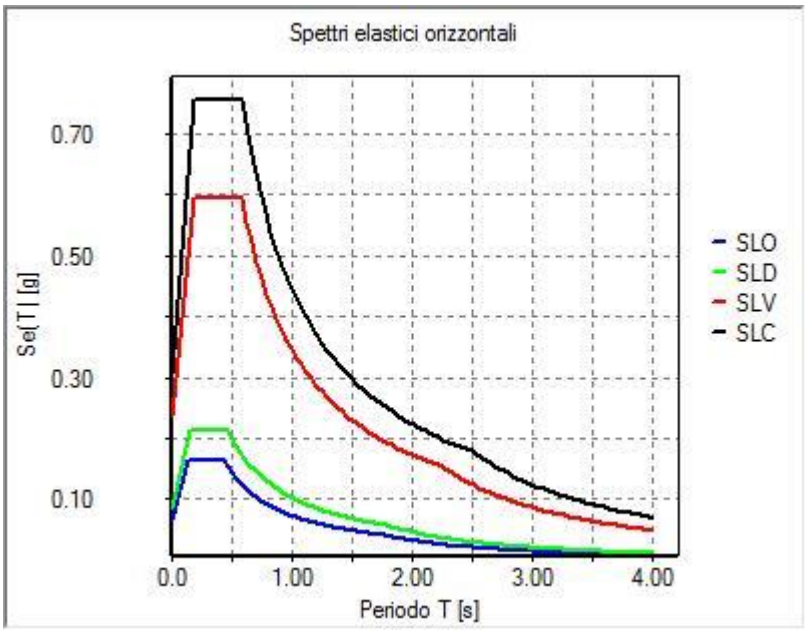
1-1: Regole generali per strutture di muratura armata e non armata.

30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

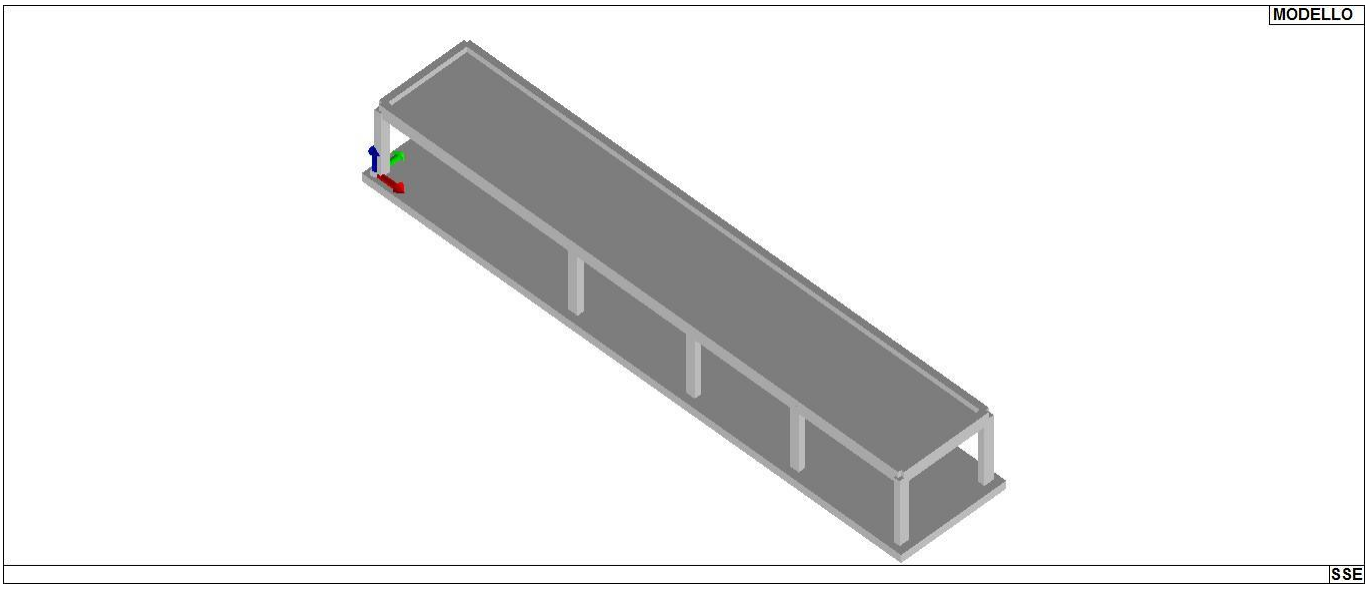
NOTA il capitolo "normativa di riferimento": riporta l' elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edifico esistente.



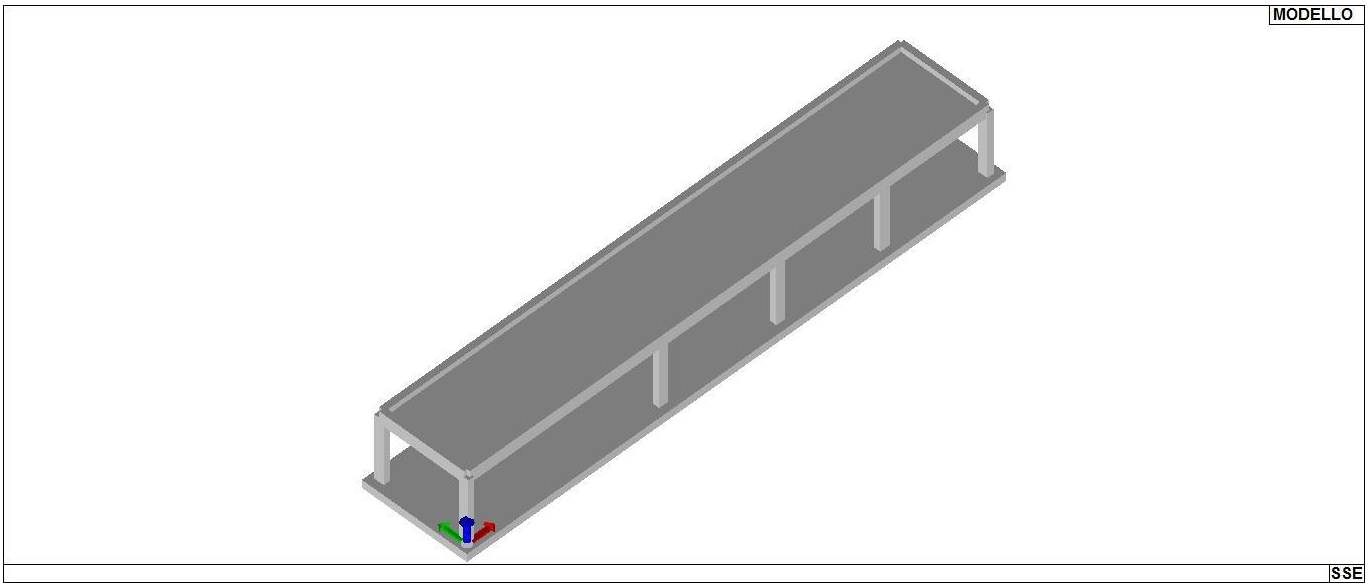
01_INT_PERICOLOSITA



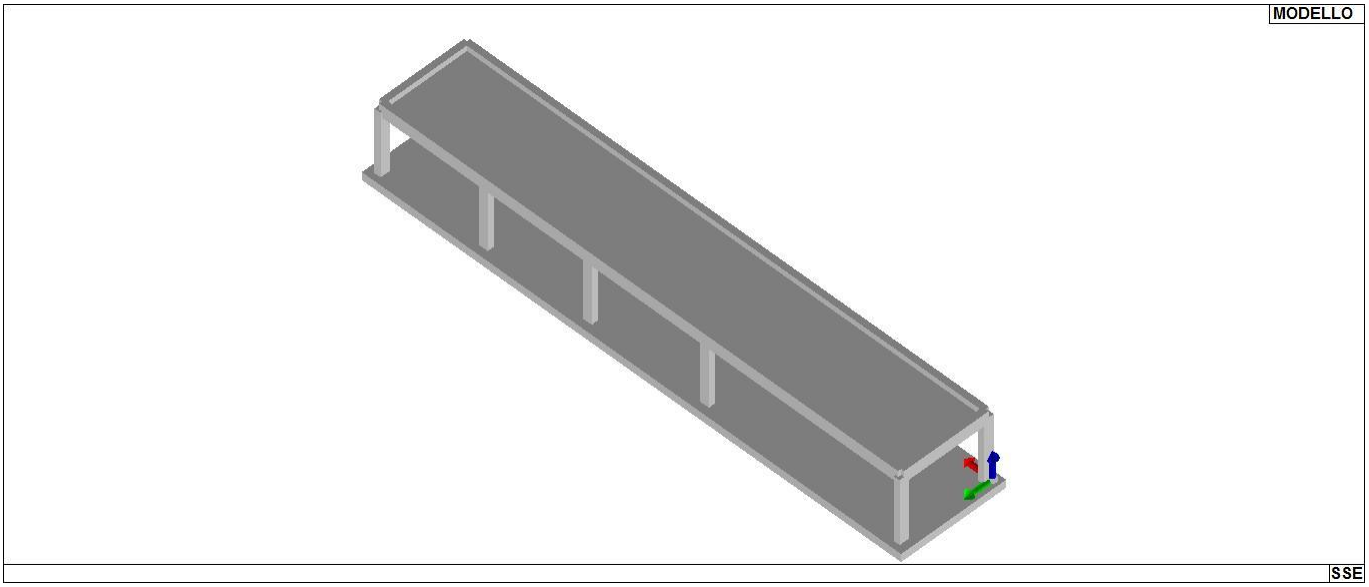
01_INT_SPETTRI_ELASTICI_O



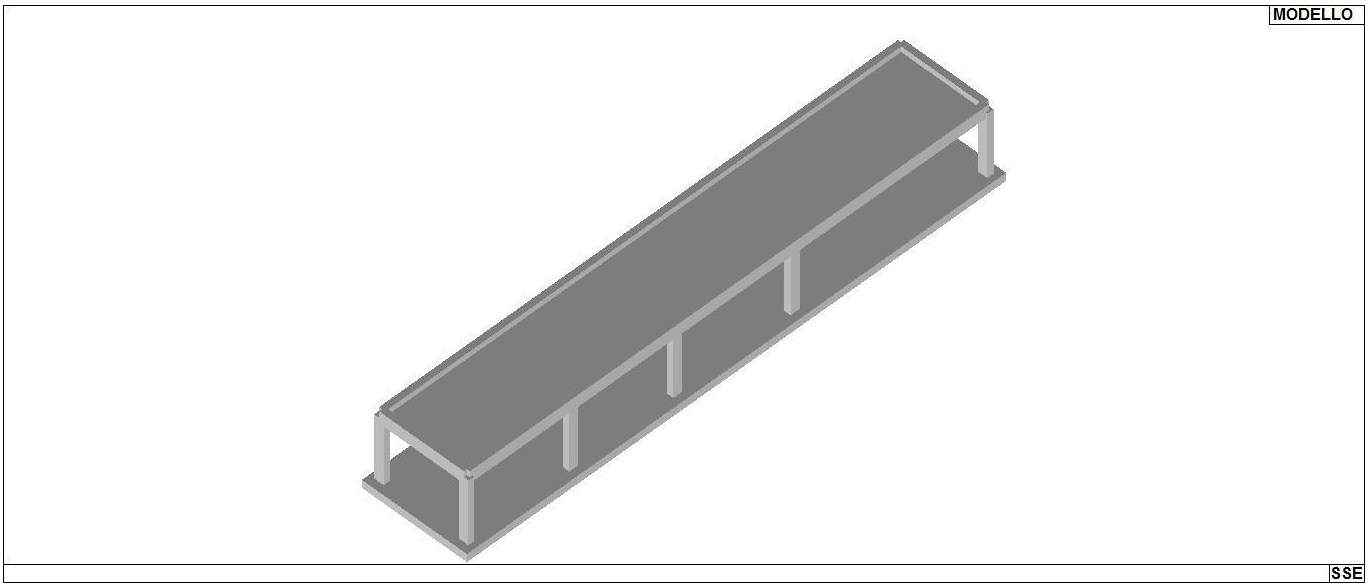
01_INT_VISTA_SOLIDA_001



01_INT_VISTA_SOLIDA_002



01_INT_VISTA_SOLIDA_003



01_INT_VISTA_SOLIDA_004

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ni
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

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

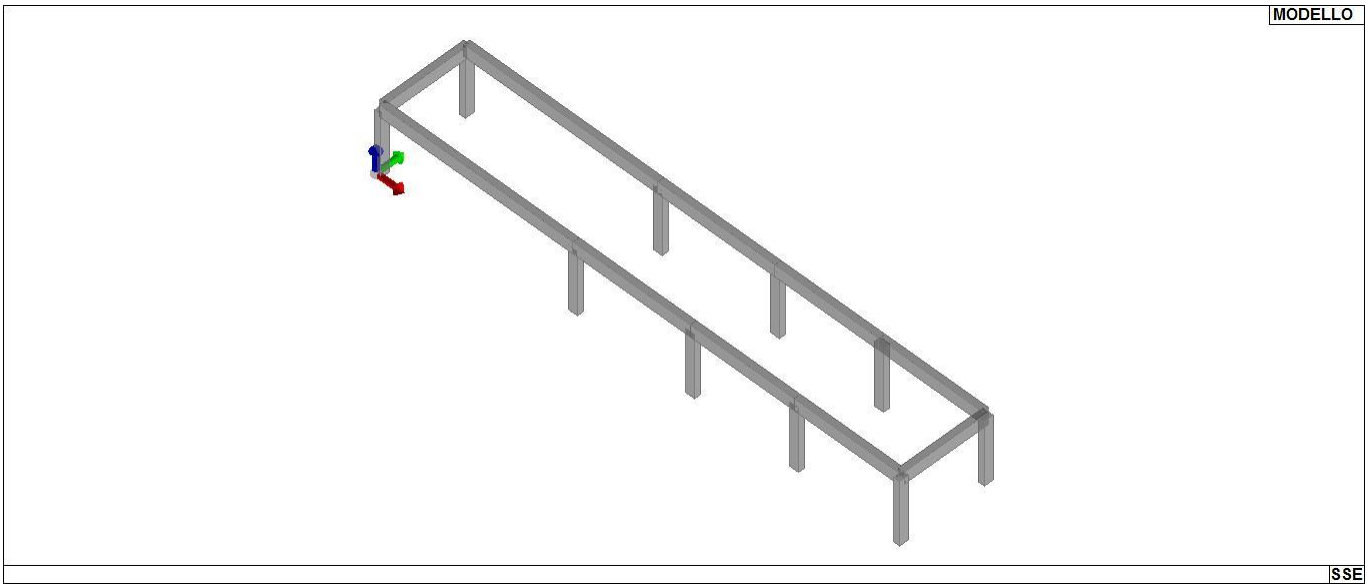
1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm

3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno		
		E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
		Resistenza fc0	Valore della resistenza a compressione parallela
		Resistenza ft0	Valore della resistenza a trazione parallela
		Resistenza fm	Valore della resistenza a flessione
		Resistenza fv	Valore della resistenza a taglio
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

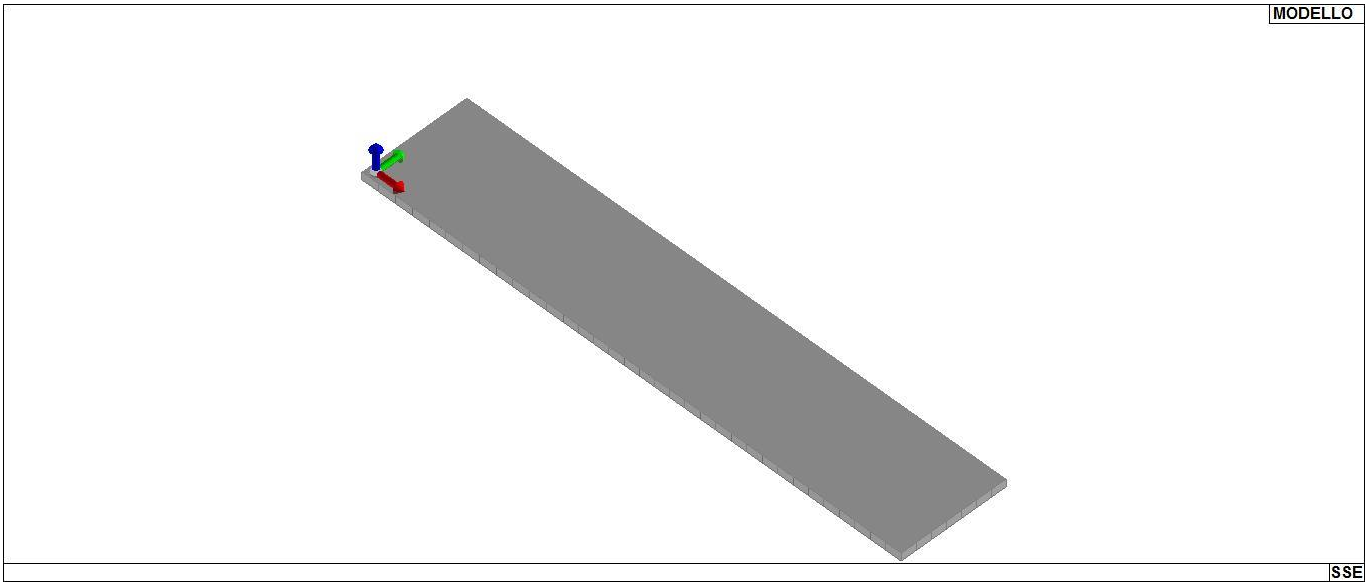
Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

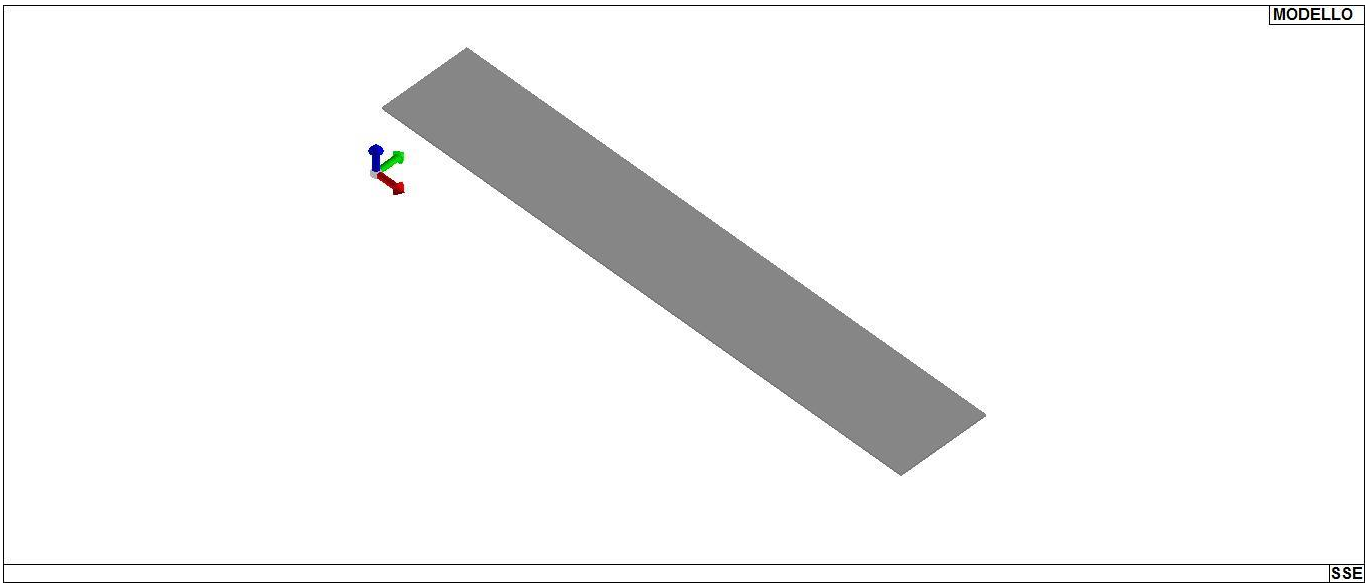
Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D2



11_MOD_MATERIALI_D3



11_MOD_MATERIALI_SOLAI

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0	0.0			
Angolo Ax-Ay [gradi]	90.00	90.00	90.00			
Minima tesa	0.31	0.31	0.31			
Massima tesa	0.78	0.78	0.78			
Maglia unica centrale	NO	NO	NO			
Copriferro [cm]	2.00	3.00	2.00			
Maglia x						
diametro	10	12	10			
passo	20	20	20			
diametro aggiuntivi	12	12	12			
Maglia y						
diametro	10	12	10			
passo	20	20	20			
diametro aggiuntivi	12	12	12			
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00			
Tipo acciaio	tipo C	tipo C	tipo C			
Coefficiente gamma s	1.15	1.15	1.15			
Coefficiente gamma c	1.50	1.50	1.50			
Verifiche con N costante	SI	SI	SI			
Applica SLU da DIN	NO	NO	NO			
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50			
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00			
Rapporto omogeneizzazione N	15.00	15.00	15.00			
Massimo rapporto area compressa/tesa	1.00	1.00	1.00			
Resistenza al fuoco						
3- intradosso	NO	NO	NO			
3+ estradosso	NO	NO	NO			
Tempo di esposizione R	15	15	15			

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO	NO	NO			
Af inf: da q*L*L /	0.0	0.0	0.0			
Armatura						
Minima tesa	0.31	0.31	0.31			
Minima compressa	0.31	0.31	0.31			
Massima tesa	0.78	0.78	0.78			
Da sezione	SI	SI	SI			
Usa armatura teorica	NO	NO	NO			
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00			
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00			

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Tipo acciaio	tipo C	tipo C	tipo C			
Coefficiente gamma s	1.15	1.15	1.15			
Coefficiente gamma c	1.50	1.50	1.50			
Verifiche con N costante	SI	SI	SI			
Fattore di ridistribuzione	0.0	0.0	0.0			
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander			
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03			
Fattore lambda	1.00	1.00	1.00			
epsilon max,s	4.000e-02	4.000e-02	4.000e-02			
epsilon cu2	4.500e-03	4.500e-03	4.500e-03			
epsilon c2	0.0	0.0	0.0			
epsilon cy	0.0	0.0	0.0			
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50			
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00			
Rapporto omogeneizzazione N	15.00	15.00	15.00			
Massimo rapporto area compressa/tesa	1.00	1.00	1.00			
Staffe						
Diametro staffe	0.0	0.0	0.0			
Passo minimo [cm]	4.00	4.00	4.00			
Passo massimo [cm]	30.00	30.00	30.00			
Passo raffittito [cm]	15.00	15.00	15.00			
Lunghezza zona raffittita [cm]	50.00	50.00	50.00			
Ctg(Teta) Max	2.50	2.50	2.50			
Percentuale sagomati	0.0	0.0	0.0			
Luce di taglio per GR [cm]	1.00	1.00	1.00			
Adotta scorrimento medio	NO	NO	NO			
Torsione non essenziale inclusa	SI	SI	SI			

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati	Privilegia lati			
Progetta a filo	NO	NO	NO			
Effetti del 2 ordine	SI	SI	SI			
Beta per 2-2	1.00	1.00	1.00			
Beta per 3-3	1.00	1.00	1.00			
Armatura						
Massima tesa	4.00	4.00	4.00			
Minima tesa	1.00	1.00	1.00			
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00			
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00			
Tipo acciaio	tipo C	tipo C	tipo C			
Coefficiente gamma s	1.15	1.15	1.15			
Coefficiente gamma c	1.50	1.50	1.50			
Verifiche con N costante	SI	SI	SI			
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander			
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03			
Fattore lambda	1.00	1.00	1.00			
epsilon max,s	4.000e-02	4.000e-02	4.000e-02			
epsilon cu2	4.500e-03	4.500e-03	4.500e-03			
epsilon c2	0.0	0.0	0.0			
epsilon cy	0.0	0.0	0.0			
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50			
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00			
Rapporto omogeneizzazione N	15.00	15.00	15.00			
Staffe						
Diametro staffe	0.0	0.0	0.0			
Passo minimo [cm]	5.00	5.00	5.00			
Passo massimo [cm]	25.00	25.00	25.00			
Passo raffittito [cm]	15.00	15.00	15.00			
Lunghezza zona raffittita [cm]	45.00	45.00	45.00			
Ctg(Teta) Max	2.50	2.50	2.50			
Luce di taglio per GR [cm]	1.00	1.00	1.00			
Massimizza gerarchia	SI	SI	SI			

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO	NO			
Af inf: da traliccio	SI	SI	SI			
Consenti armatura a taglio	NO	NO	NO			
Incrementa armatura longitudinale per taglio	SI	SI	SI			
Af inf: da q*L*L /	20.00	20.00	20.00			
Incremento fascia piena [cm]	5.00	5.00	5.00			
Armatura						
Minima tesa	0.15	0.15	0.15			
Massima tesa	3.00	3.00	3.00			
Minima compressa	0.0	0.0	0.0			
Af/h [cm]	7.000e-02	7.000e-02	7.000e-02			
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00			
Tipo acciaio	tipo C	tipo C	tipo C			
Coefficiente gamma s	1.15	1.15	1.15			
Coefficiente gamma c	1.50	1.50	1.50			
Fattore di ridistribuzione	0.0	0.0	0.0			
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00	85.00	85.00			
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00			
Rapporto omogeneizzazione N	15.00	15.00	15.00			
Massimo rapporto area compressa/tesa	1.00	1.00	1.00			
Verifica freccia						
Infinita	250.00	250.00	250.00			
Istantanea	500.00	500.00	500.00			
Fattore viscosità	3.00	3.00	3.00			
Usa J non fessurato	NO	NO	NO			
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO	NO			
Tamponatura con armatura	NO	NO	NO			
Fattore di struttura/comportamento	2.00	2.00	2.00			
Coefficiente gamma m	0.0	0.0	0.0			
Periodo Ta	0.0	0.0	0.0			
Altezza pannello	0.0	0.0	0.0			

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

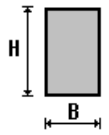
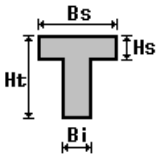
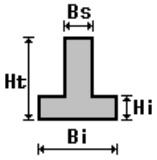
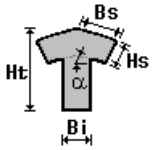
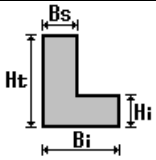
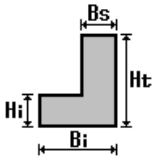
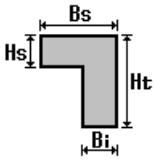
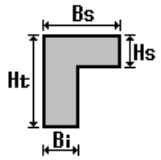
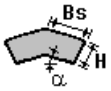
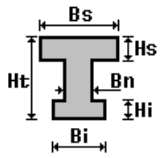
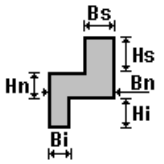
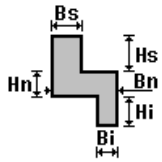
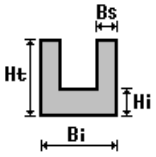
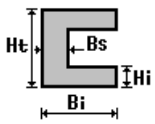
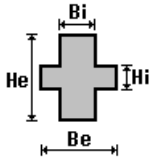
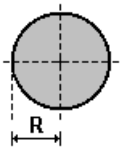
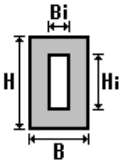
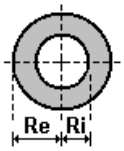
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

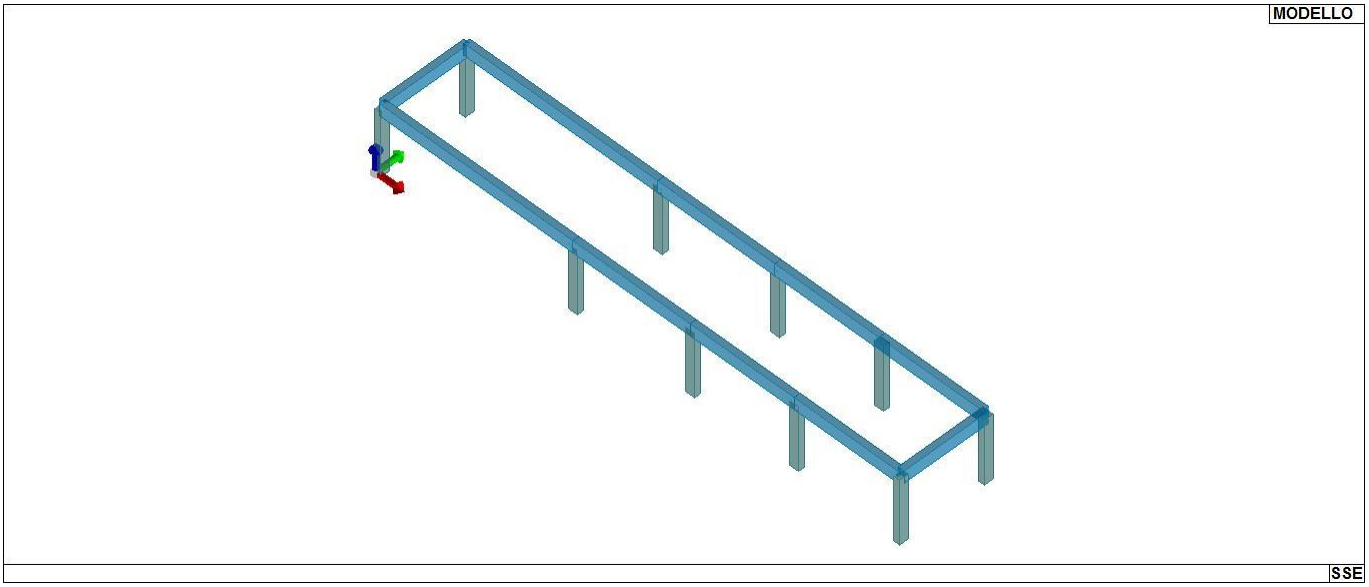
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali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

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

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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
2	Travi in elevazione-Rettangolare: b=30 h=60	1800.00	1500.00	1500.00	3.699e+05	1.350e+05	5.400e+05	9000.00	1.800e+04	1.350e+04	2.700e+04
3	Pilastri-Rettangolare: b=30 h=45	1350.00	1125.00	1125.00	2.349e+05	1.013e+05	2.278e+05	6750.00	1.013e+04	1.013e+04	1.519e+04
13	T ribassata: bi=12 ht=25 bs=50 hs=5	490.00	0.0	0.0	1.200e+04	5.496e+04	2.765e+04	2198.53	1688.50	3845.00	3024.51



13_MOD_SEZIONI

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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

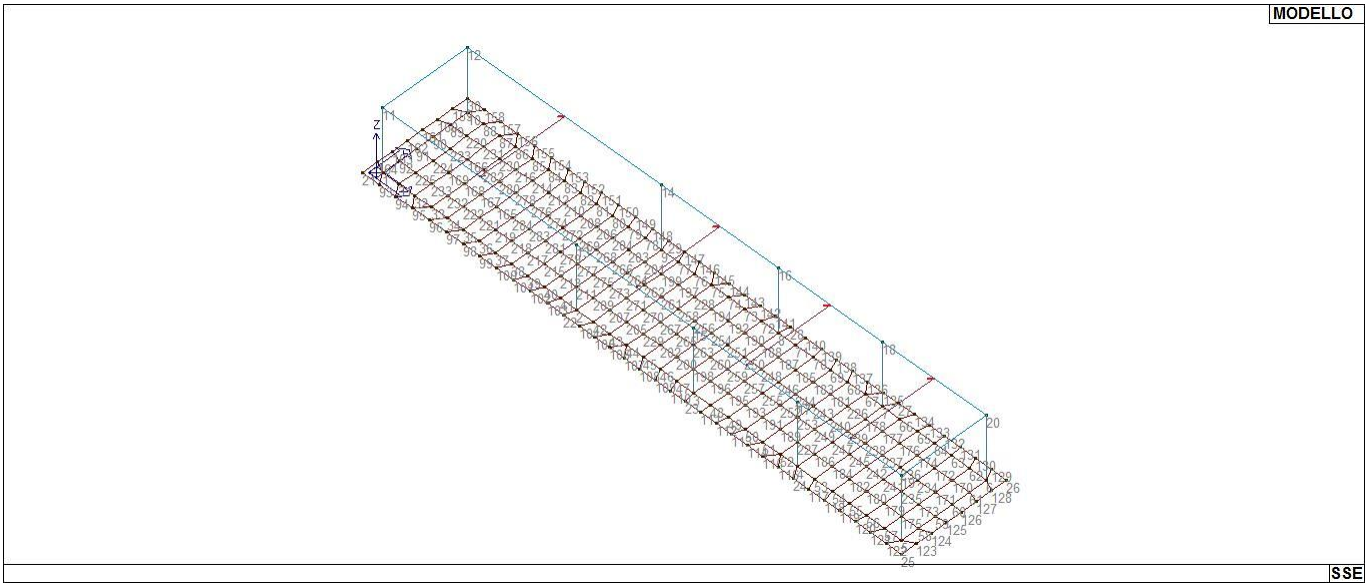
Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	15.0	15.0	0.0	2	975.0	15.0	0.0	3	1555.0	15.0	0.0
4	2070.0	15.0	0.0	5	2585.0	15.0	0.0	6	2585.0	435.0	0.0
7	2070.0	435.0	0.0	8	1555.0	435.0	0.0	9	975.0	435.0	0.0
10	15.0	435.0	0.0	11	15.0	15.0	320.0	12	15.0	435.0	320.0
13	975.0	15.0	320.0	14	975.0	435.0	320.0	15	1555.0	15.0	320.0
16	1555.0	435.0	320.0	17	2070.0	15.0	320.0	18	2070.0	435.0	320.0
19	2585.0	15.0	320.0	20	2585.0	435.0	320.0	21	-35.0	-35.0	0.0
22	962.4	-35.0	0.0	23	1564.9	-35.0	0.0	24	2100.0	-35.0	0.0
25	2635.0	-35.0	0.0	26	2635.0	485.0	0.0	27	2100.0	485.0	0.0
28	1564.9	485.0	0.0	29	962.4	485.0	0.0	30	-35.0	485.0	0.0
31	95.0	15.0	0.0	32	175.0	15.0	0.0	33	255.0	15.0	0.0
34	335.0	15.0	0.0	35	415.0	15.0	0.0	36	495.0	15.0	0.0
37	575.0	15.0	0.0	38	655.0	15.0	0.0	39	735.0	15.0	0.0
40	815.0	15.0	0.0	41	895.0	15.0	0.0	42	1057.9	15.0	0.0
43	1140.7	15.0	0.0	44	1223.6	15.0	0.0	45	1306.4	15.0	0.0
46	1389.3	15.0	0.0	47	1472.1	15.0	0.0	48	1640.8	15.0	0.0
49	1726.7	15.0	0.0	50	1812.5	15.0	0.0	51	1898.3	15.0	0.0
52	1984.2	15.0	0.0	53	2155.8	15.0	0.0	54	2241.7	15.0	0.0

55	2327.5	15.0	0.0	56	2413.3	15.0	0.0	57	2499.2	15.0	0.0
58	2585.0	99.0	0.0	59	2585.0	183.0	0.0	60	2585.0	267.0	0.0
61	2585.0	351.0	0.0	62	2499.2	435.0	0.0	63	2413.3	435.0	0.0
64	2327.5	435.0	0.0	65	2241.7	435.0	0.0	66	2155.8	435.0	0.0
67	1984.2	435.0	0.0	68	1898.3	435.0	0.0	69	1812.5	435.0	0.0
70	1726.7	435.0	0.0	71	1640.8	435.0	0.0	72	1472.1	435.0	0.0
73	1389.3	435.0	0.0	74	1306.4	435.0	0.0	75	1223.6	435.0	0.0
76	1140.7	435.0	0.0	77	1057.9	435.0	0.0	78	895.0	435.0	0.0
79	815.0	435.0	0.0	80	735.0	435.0	0.0	81	655.0	435.0	0.0
82	575.0	435.0	0.0	83	495.0	435.0	0.0	84	415.0	435.0	0.0
85	335.0	435.0	0.0	86	255.0	435.0	0.0	87	175.0	435.0	0.0
88	95.0	435.0	0.0	89	15.0	351.0	0.0	90	15.0	267.0	0.0
91	15.0	183.0	0.0	92	15.0	99.0	0.0	93	48.1	-35.0	0.0
94	131.2	-35.0	0.0	95	214.3	-35.0	0.0	96	297.5	-35.0	0.0
97	380.6	-35.0	0.0	98	463.7	-35.0	0.0	99	546.8	-35.0	0.0
100	629.9	-35.0	0.0	101	713.0	-35.0	0.0	102	796.1	-35.0	0.0
103	879.2	-35.0	0.0	104	1037.7	-35.0	0.0	105	1113.0	-35.0	0.0
106	1188.3	-35.0	0.0	107	1263.6	-35.0	0.0	108	1339.0	-35.0	0.0
109	1414.3	-35.0	0.0	110	1489.6	-35.0	0.0	111	1641.4	-35.0	0.0
112	1717.8	-35.0	0.0	113	1794.2	-35.0	0.0	114	1870.7	-35.0	0.0
115	1947.1	-35.0	0.0	116	2023.5	-35.0	0.0	117	2176.4	-35.0	0.0
118	2252.8	-35.0	0.0	119	2329.3	-35.0	0.0	120	2405.7	-35.0	0.0
121	2482.1	-35.0	0.0	122	2558.6	-35.0	0.0	123	2635.0	39.3	0.0
124	2635.0	113.6	0.0	125	2635.0	187.9	0.0	126	2635.0	262.1	0.0
127	2635.0	336.4	0.0	128	2635.0	410.7	0.0	129	2558.6	485.0	0.0
130	2482.1	485.0	0.0	131	2405.7	485.0	0.0	132	2329.3	485.0	0.0
133	2252.8	485.0	0.0	134	2176.4	485.0	0.0	135	2023.5	485.0	0.0
136	1947.1	485.0	0.0	137	1870.7	485.0	0.0	138	1794.2	485.0	0.0
139	1717.8	485.0	0.0	140	1641.4	485.0	0.0	141	1489.6	485.0	0.0
142	1414.3	485.0	0.0	143	1339.0	485.0	0.0	144	1263.6	485.0	0.0
145	1188.3	485.0	0.0	146	1113.0	485.0	0.0	147	1037.7	485.0	0.0
148	879.2	485.0	0.0	149	796.1	485.0	0.0	150	713.0	485.0	0.0
151	629.9	485.0	0.0	152	546.8	485.0	0.0	153	463.7	485.0	0.0
154	380.6	485.0	0.0	155	297.5	485.0	0.0	156	214.3	485.0	0.0
157	131.2	485.0	0.0	158	48.1	485.0	0.0	159	-35.0	410.7	0.0
160	-35.0	336.4	0.0	161	-35.0	262.1	0.0	162	-35.0	187.9	0.0
163	-35.0	113.6	0.0	164	-35.0	39.3	0.0	165	415.2	178.8	0.0
166	178.4	271.2	0.0	167	335.2	177.9	0.0	168	255.7	178.0	0.0
169	178.5	179.0	0.0	170	2500.0	350.1	0.0	171	2500.5	266.6	0.0
172	2413.9	349.9	0.0	173	2500.7	183.2	0.0	174	2327.6	349.8	0.0
175	2500.0	99.9	0.0	176	2241.7	349.2	0.0	177	2155.8	349.2	0.0
178	2070.0	349.2	0.0	179	2413.9	99.9	0.0	180	2327.5	100.3	0.0
181	1898.3	349.2	0.0	182	2241.7	100.8	0.0	183	1812.5	349.2	0.0
184	2155.8	100.8	0.0	185	1726.7	349.2	0.0	186	2070.0	100.8	0.0
187	1640.8	349.3	0.0	188	1555.0	350.6	0.0	189	1898.3	100.8	0.0
190	1472.0	351.4	0.0	191	1812.5	100.8	0.0	192	1389.3	352.1	0.0
193	1726.7	100.8	0.0	194	1306.4	352.1	0.0	195	1640.8	100.7	0.0
196	1555.4	99.5	0.0	197	1140.7	352.1	0.0	198	1472.1	98.7	0.0
199	1057.9	352.3	0.0	200	1389.3	97.9	0.0	201	975.0	353.5	0.0
202	1306.4	97.9	0.0	203	895.0	354.9	0.0	204	815.0	355.0	0.0
205	1140.7	97.9	0.0	206	735.0	355.0	0.0	207	1057.9	97.7	0.0
208	655.0	355.0	0.0	209	975.6	97.4	0.0	210	575.0	355.0	0.0
211	894.8	96.1	0.0	212	495.0	355.0	0.0	213	815.0	95.0	0.0
214	415.0	355.0	0.0	215	735.0	95.0	0.0	216	335.0	355.0	0.0
217	655.0	95.0	0.0	218	575.0	95.0	0.0	219	495.0	95.0	0.0
220	96.1	351.8	0.0	221	415.0	95.0	0.0	222	335.0	95.0	0.0
223	98.3	267.6	0.0	224	98.4	182.2	0.0	225	96.3	98.0	0.0
226	1984.2	349.2	0.0	227	1984.2	100.8	0.0	228	1223.6	352.1	0.0
229	1223.6	97.9	0.0	230	255.0	355.0	0.0	231	176.2	353.7	0.0
232	255.3	95.9	0.0	233	176.2	96.4	0.0	234	2414.8	265.5	0.0
235	2414.6	184.3	0.0	236	2327.9	265.4	0.0	237	2241.7	263.3	0.0
238	2155.8	263.3	0.0	239	2070.0	263.3	0.0	240	1984.2	263.3	0.0
241	2328.0	184.4	0.0	242	2241.7	186.7	0.0	243	1898.3	263.3	0.0
244	1812.5	263.3	0.0	245	2155.8	186.7	0.0	246	1726.6	263.3	0.0
247	2070.0	186.7	0.0	248	1640.0	265.6	0.0	249	1984.2	186.7	0.0
250	1554.3	267.0	0.0	251	1471.5	267.8	0.0	252	1812.5	186.7	0.0
253	1898.3	186.7	0.0	254	1389.2	269.3	0.0	255	1726.6	186.7	0.0
256	1306.4	269.3	0.0	257	1640.2	184.1	0.0	258	1223.6	269.3	0.0
259	1554.5	183.5	0.0	260	1471.5	182.8	0.0	261	1140.6	269.3	0.0
262	1057.2	269.6	0.0	263	1389.2	180.7	0.0	264	974.2	270.8	0.0
265	1306.4	180.7	0.0	266	894.2	272.1	0.0	267	1223.6	180.7	0.0
268	814.7	272.1	0.0	269	734.7	271.2	0.0	270	1140.6	180.7	0.0
271	1057.3	182.2	0.0	272	655.2	267.8	0.0	273	974.3	180.8	0.0
274	575.4	270.3	0.0	275	894.2	178.0	0.0	276	495.3	270.6	0.0
277	814.6	178.8	0.0	278	415.2	272.0	0.0	279	734.8	178.0	0.0
280	335.3	271.2	0.0	281	655.2	180.2	0.0	282	255.7	272.4	0.0

283	575.4	180.2	0.0	284	495.3	180.0	0.0

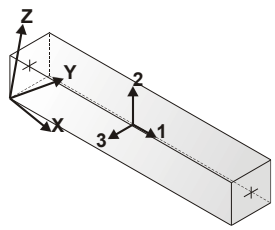


14_MOD_NUMERAZIONE_NODI

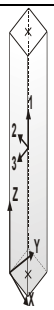
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 2D non verticali

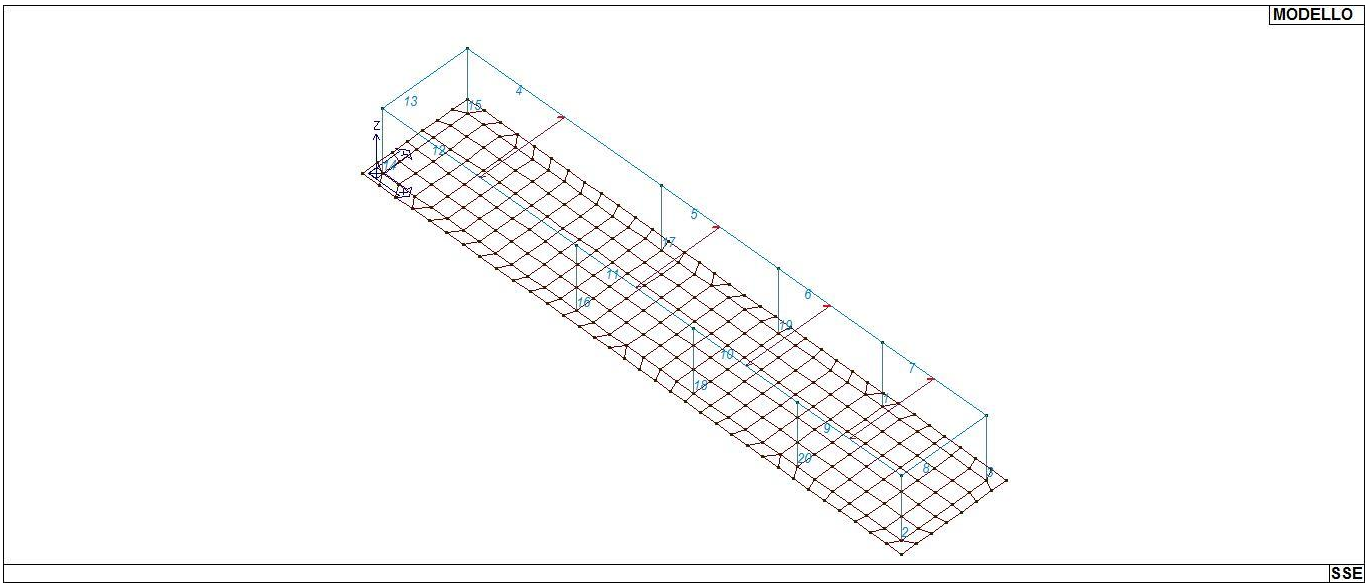


orientamento elementi 2D verticali

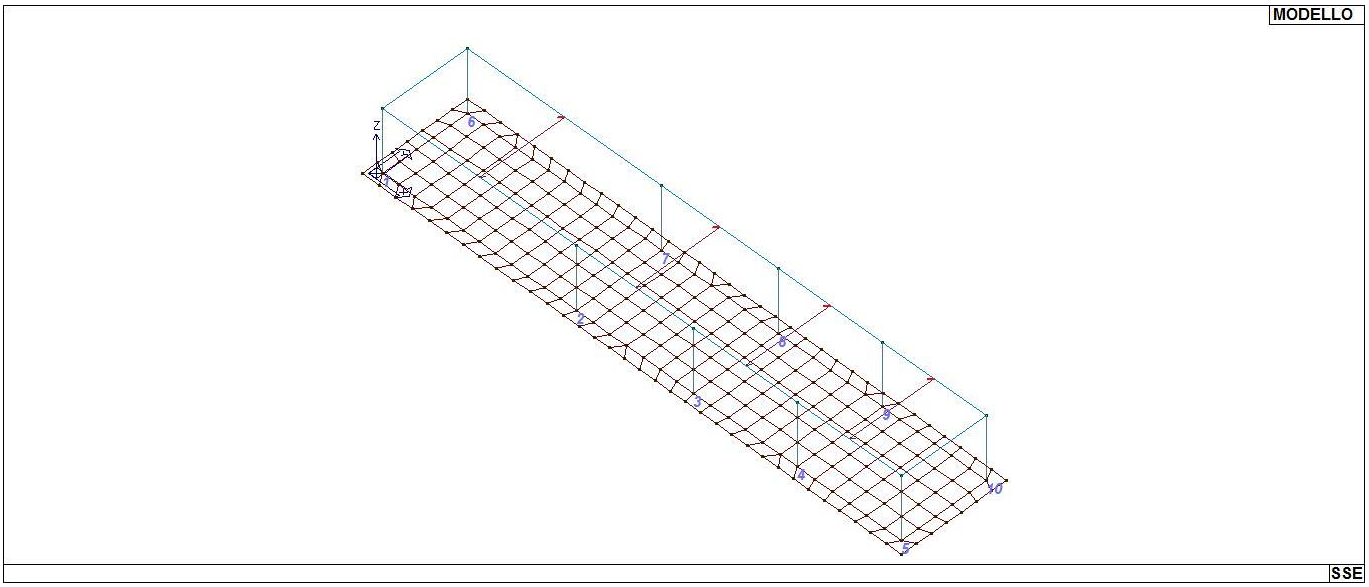
In particolare per ogni elemento viene indicato in tabella:

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

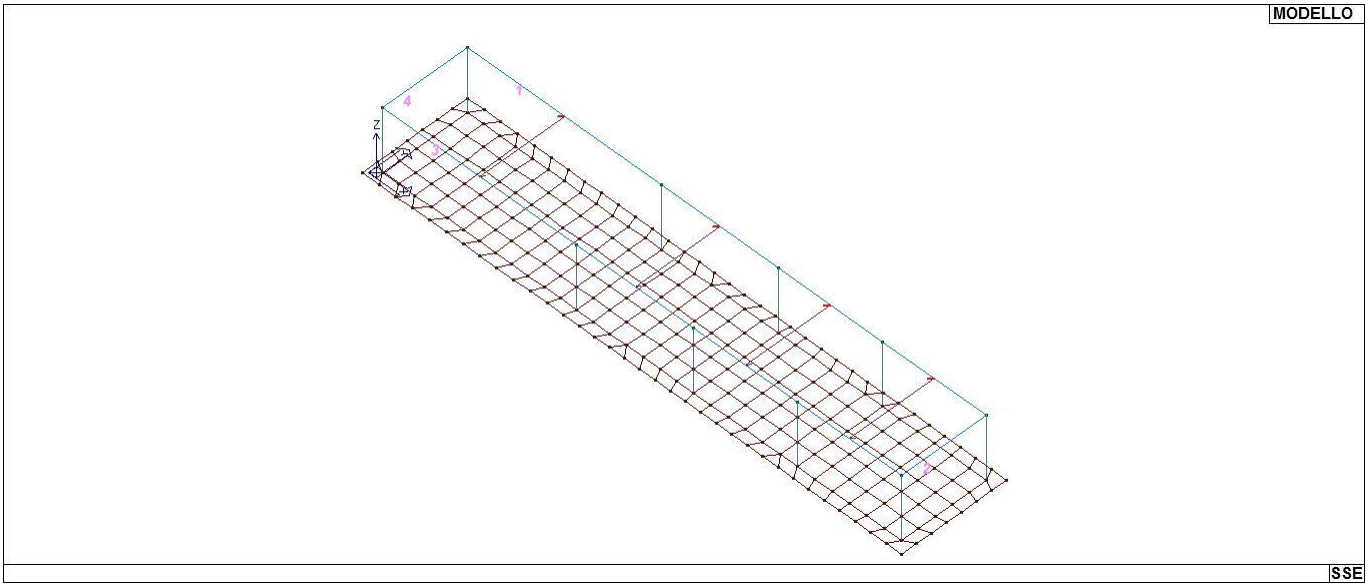
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Pilas.	7	18	1	3	3					
2	Pilas.	5	19	1	3	3	90.00				
3	Pilas.	6	20	1	3	3	90.00				
4	Trave	12	14	1	2	3					
5	Trave	14	16	1	2	3					
6	Trave	16	18	1	2	3					
7	Trave	18	20	1	2	3					
8	Trave	19	20	1	2	3					
9	Trave	17	19	1	2	3					
10	Trave	15	17	1	2	3					
11	Trave	13	15	1	2	3					
12	Trave	11	13	1	2	3					
13	Trave	11	12	1	2	3					
14	Pilas.	1	11	1	3	3	90.00				
15	Pilas.	10	12	1	3	3	90.00				
16	Pilas.	2	13	1	3	3					
17	Pilas.	9	14	1	3	3					
18	Pilas.	3	15	1	3	3					
19	Pilas.	8	16	1	3	3					
20	Pilas.	4	17	1	3	3					



15_MOD_NUMERAZIONE_D2



15_MOD_NUMERAZIONE_D2_PILASTRATE

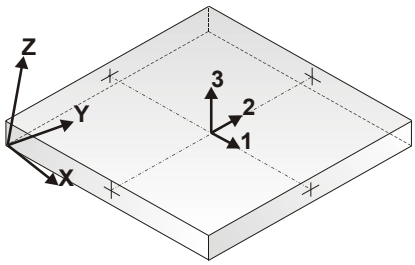


15_MOD_NUMERAZIONE_D2_TRAVATE

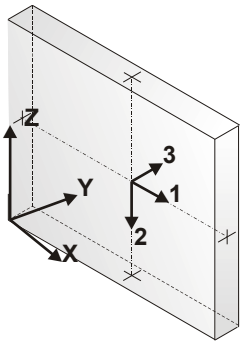
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

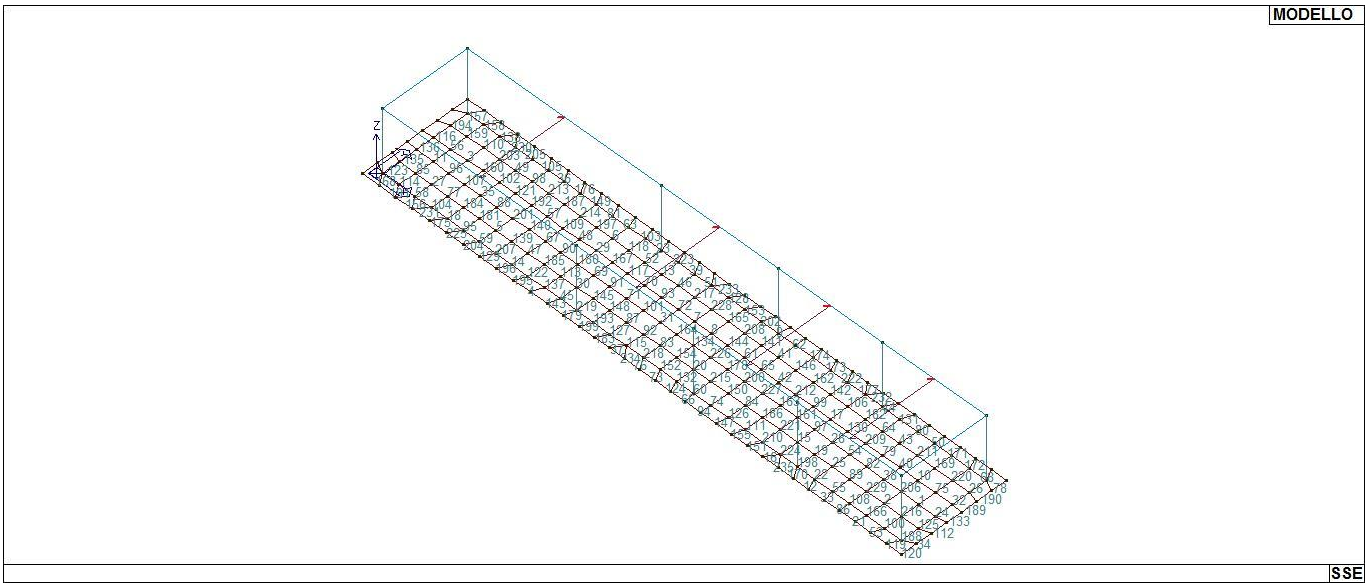
Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	235	173	171	234	1	3	40.0		0.21	0.13
2	Guscio fond.	180	179	235	241	1	3	40.0		0.21	0.13
3	Guscio fond.	223	166	231	220	1	3	40.0		0.21	0.13
4	Guscio fond.	101	102	40	39	1	3	40.0		0.21	0.13
5	Guscio fond.	221	219	284	165	1	3	40.0		0.21	0.13
6	Guscio fond.	206	204	79	80	1	3	40.0		0.21	0.13
7	Guscio fond.	258	256	194	228	1	3	40.0		0.21	0.13
8	Guscio fond.	256	254	192	194	1	3	40.0		0.21	0.13
9	Guscio fond.	72	8	28	141	1	3	40.0		0.21	0.13
10	Guscio fond.	236	234	172	174	1	3	40.0		0.21	0.13
11	Guscio fond.	91	224	223	90	1	3	40.0		0.21	0.13
12	Guscio fond.	24	117	53	4	1	3	40.0		0.21	0.13
13	Guscio fond.	201	199	77	9	1	3	40.0		0.21	0.13
14	Guscio fond.	37	38	217	218	1	3	40.0		0.21	0.13
15	Guscio fond.	189	227	249	253	1	3	40.0		0.21	0.13
16	Guscio fond.	114	115	52	51	1	3	40.0		0.21	0.13
17	Guscio fond.	243	240	226	181	1	3	40.0		0.21	0.13
18	Guscio fond.	33	34	222	232	1	3	40.0		0.21	0.13
19	Guscio fond.	227	186	247	249	1	3	40.0		0.21	0.13
20	Guscio fond.	200	198	260	263	1	3	40.0		0.21	0.13
21	Guscio fond.	119	120	56	55	1	3	40.0		0.21	0.13
22	Guscio fond.	4	53	184	186	1	3	40.0		0.21	0.13
23	Guscio fond.	78	9	29	148	1	3	40.0		0.21	0.13
24	Guscio fond.	173	59	60	171	1	3	40.0		0.21	0.13
25	Guscio fond.	186	184	245	247	1	3	40.0		0.21	0.13
26	Guscio fond.	170	61	6	62	1	3	40.0		0.21	0.13
27	Guscio fond.	225	233	169	224	1	3	40.0		0.21	0.13
28	Guscio fond.	249	247	239	240	1	3	40.0		0.21	0.13
29	Guscio fond.	269	268	204	206	1	3	40.0		0.21	0.13
30	Guscio fond.	213	211	275	277	1	3	40.0		0.21	0.13
31	Guscio fond.	270	267	258	261	1	3	40.0		0.21	0.13
32	Guscio fond.	171	60	61	170	1	3	40.0		0.21	0.13
33	Guscio fond.	117	118	54	53	1	3	40.0		0.21	0.13
34	Guscio fond.	5	123	124	58	1	3	40.0		0.21	0.13
35	Guscio fond.	168	167	280	282	1	3	40.0		0.21	0.13
36	Guscio fond.	84	83	153	154	1	3	40.0		0.21	0.13
37	Guscio fond.	105	106	44	43	1	3	40.0		0.21	0.13
38	Guscio fond.	242	241	236	237	1	3	40.0		0.21	0.13
39	Guscio fond.	77	76	146	147	1	3	40.0		0.21	0.13
40	Guscio fond.	237	236	174	176	1	3	40.0		0.21	0.13
41	Guscio fond.	188	187	71	8	1	3	40.0		0.21	0.13
42	Guscio fond.	248	246	185	187	1	3	40.0		0.21	0.13
43	Guscio fond.	177	176	65	66	1	3	40.0		0.21	0.13
44	Guscio fond.	67	7	27	135	1	3	40.0		0.21	0.13
45	Guscio fond.	40	41	211	213	1	3	40.0		0.21	0.13
46	Guscio fond.	199	197	76	77	1	3	40.0		0.21	0.13
47	Guscio fond.	218	217	281	283	1	3	40.0		0.21	0.13
48	Guscio fond.	272	269	206	208	1	3	40.0		0.21	0.13
49	Guscio fond.	230	216	85	86	1	3	40.0		0.21	0.13
50	Guscio fond.	65	64	132	133	1	3	40.0		0.21	0.13
51	Guscio fond.	76	75	145	146	1	3	40.0		0.21	0.13
52	Guscio fond.	203	201	9	78	1	3	40.0		0.21	0.13
53	Guscio fond.	120	121	57	56	1	3	40.0		0.21	0.13
54	Guscio fond.	247	245	238	239	1	3	40.0		0.21	0.13
55	Guscio fond.	53	54	182	184	1	3	40.0		0.21	0.13
56	Guscio fond.	90	223	220	89	1	3	40.0		0.21	0.13
57	Guscio fond.	276	274	210	212	1	3	40.0		0.21	0.13
58	Guscio fond.	31	32	233	225	1	3	40.0		0.21	0.13
59	Guscio fond.	35	36	219	221	1	3	40.0		0.21	0.13
60	Guscio fond.	47	3	196	198	1	3	40.0		0.21	0.13
61	Guscio fond.	251	250	188	190	1	3	40.0		0.21	0.13
62	Guscio fond.	8	71	140	28	1	3	40.0		0.21	0.13
63	Guscio fond.	80	79	149	150	1	3	40.0		0.21	0.13
64	Guscio fond.	178	177	66	7	1	3	40.0		0.21	0.13
65	Guscio fond.	250	248	187	188	1	3	40.0		0.21	0.13
66	Guscio fond.	110	23	3	47	1	3	40.0		0.21	0.13
67	Guscio fond.	283	281	272	274	1	3	40.0		0.21	0.13
68	Guscio fond.	62	6	129	130	1	3	40.0		0.21	0.13
69	Guscio fond.	277	275	266	268	1	3	40.0		0.21	0.13
70	Guscio fond.	264	262	199	201	1	3	40.0		0.21	0.13
71	Guscio fond.	273	271	262	264	1	3	40.0		0.21	0.13
72	Guscio fond.	261	258	228	197	1	3	40.0		0.21	0.13
73	Guscio fond.	108	109	46	45	1	3	40.0		0.21	0.13

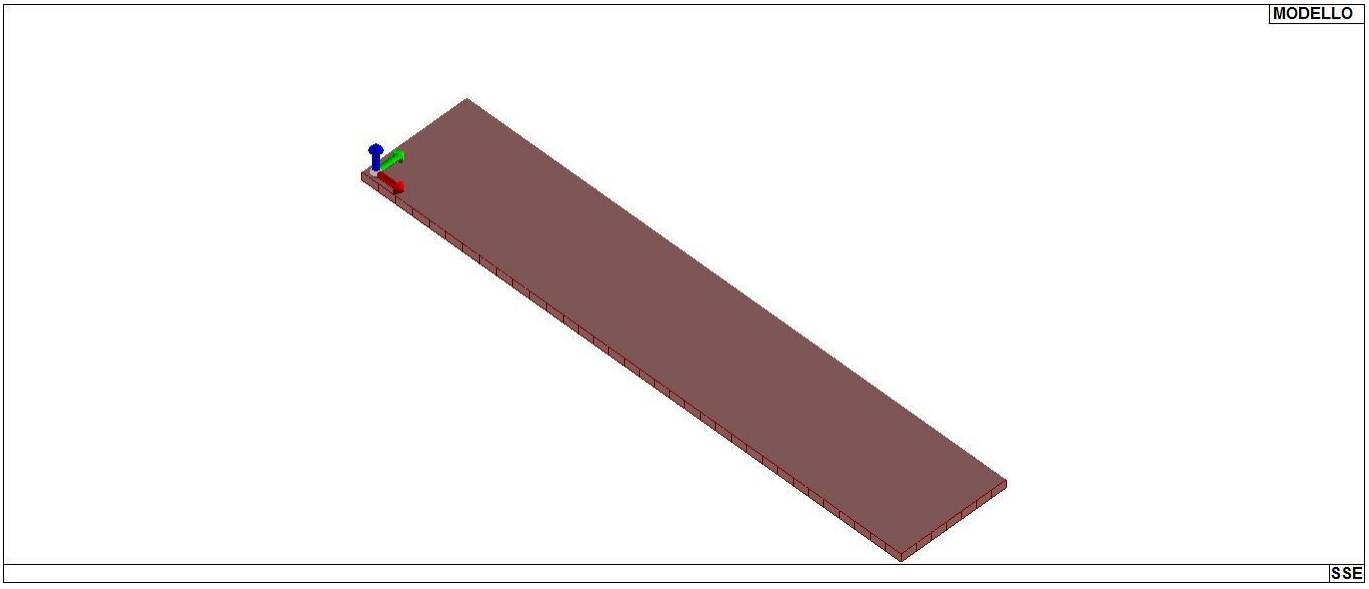
74Guscio fond.	3	48	195	196	1	3	40.0	0.21	0.13
75Guscio fond.	234	171	170	172	1	3	40.0	0.21	0.13
76Guscio fond.	107	108	45	44	1	3	40.0	0.21	0.13
77Guscio fond.	233	232	168	169	1	3	40.0	0.21	0.13
78Guscio fond.	6	128	26	129	1	3	40.0	0.21	0.13
79Guscio fond.	238	237	176	177	1	3	40.0	0.21	0.13
80Guscio fond.	66	65	133	134	1	3	40.0	0.21	0.13
81Guscio fond.	81	80	150	151	1	3	40.0	0.21	0.13
82Guscio fond.	245	242	237	238	1	3	40.0	0.21	0.13
83Guscio fond.	229	202	265	267	1	3	40.0	0.21	0.13
84Guscio fond.	195	193	255	257	1	3	40.0	0.21	0.13
85Guscio fond.	92	225	224	91	1	3	40.0	0.21	0.13
86Guscio fond.	118	119	55	54	1	3	40.0	0.21	0.13
87Guscio fond.	207	205	270	271	1	3	40.0	0.21	0.13
88Guscio fond.	167	165	278	280	1	3	40.0	0.21	0.13
89Guscio fond.	184	182	242	245	1	3	40.0	0.21	0.13
90Guscio fond.	281	279	269	272	1	3	40.0	0.21	0.13
91Guscio fond.	275	273	264	266	1	3	40.0	0.21	0.13
92Guscio fond.	205	229	267	270	1	3	40.0	0.21	0.13
93Guscio fond.	262	261	197	199	1	3	40.0	0.21	0.13
94Guscio fond.	23	111	48	3	1	3	40.0	0.21	0.13
95Guscio fond.	34	35	221	222	1	3	40.0	0.21	0.13
96Guscio fond.	224	169	166	223	1	3	40.0	0.21	0.13
97Guscio fond.	253	249	240	243	1	3	40.0	0.21	0.13
98Guscio fond.	216	214	84	85	1	3	40.0	0.21	0.13
99Guscio fond.	244	243	181	183	1	3	40.0	0.21	0.13
100Guscio fond.	56	57	175	179	1	3	40.0	0.21	0.13
101Guscio fond.	271	270	261	262	1	3	40.0	0.21	0.13
102Guscio fond.	282	280	216	230	1	3	40.0	0.21	0.13
103Guscio fond.	79	78	148	149	1	3	40.0	0.21	0.13
104Guscio fond.	32	33	232	233	1	3	40.0	0.21	0.13
105Guscio fond.	85	84	154	155	1	3	40.0	0.21	0.13
106Guscio fond.	181	226	67	68	1	3	40.0	0.21	0.13
107Guscio fond.	169	168	282	166	1	3	40.0	0.21	0.13
108Guscio fond.	54	55	180	182	1	3	40.0	0.21	0.13
109Guscio fond.	274	272	208	210	1	3	40.0	0.21	0.13
110Guscio fond.	220	231	87	88	1	3	40.0	0.21	0.13
111Guscio fond.	49	50	191	193	1	3	40.0	0.21	0.13
112Guscio fond.	58	124	125	59	1	3	40.0	0.21	0.13
113Guscio fond.	215	213	277	279	1	3	40.0	0.21	0.13
114Guscio fond.	1	31	225	92	1	3	40.0	0.21	0.13
115Guscio fond.	43	44	229	205	1	3	40.0	0.21	0.13
116Guscio fond.	161	90	89	160	1	3	40.0	0.21	0.13
117Guscio fond.	266	264	201	203	1	3	40.0	0.21	0.13
118Guscio fond.	204	203	78	79	1	3	40.0	0.21	0.13
119Guscio fond.	121	122	5	57	1	3	40.0	0.21	0.13
120Guscio fond.	122	25	123	5	1	3	40.0	0.21	0.13
121Guscio fond.	280	278	214	216	1	3	40.0	0.21	0.13
122Guscio fond.	38	39	215	217	1	3	40.0	0.21	0.13
123Guscio fond.	164	1	92	163	1	3	40.0	0.21	0.13
124Guscio fond.	109	110	47	46	1	3	40.0	0.21	0.13
125Guscio fond.	175	58	59	173	1	3	40.0	0.21	0.13
126Guscio fond.	48	49	193	195	1	3	40.0	0.21	0.13
127Guscio fond.	42	43	205	207	1	3	40.0	0.21	0.13
128Guscio fond.	75	74	143	144	1	3	40.0	0.21	0.13
129Guscio fond.	98	99	37	36	1	3	40.0	0.21	0.13
130Guscio fond.	240	239	178	226	1	3	40.0	0.21	0.13
131Guscio fond.	7	66	134	27	1	3	40.0	0.21	0.13
132Guscio fond.	46	47	198	200	1	3	40.0	0.21	0.13
133Guscio fond.	59	125	126	60	1	3	40.0	0.21	0.13
134Guscio fond.	265	263	254	256	1	3	40.0	0.21	0.13
135Guscio fond.	163	92	91	162	1	3	40.0	0.21	0.13
136Guscio fond.	162	91	90	161	1	3	40.0	0.21	0.13
137Guscio fond.	39	40	213	215	1	3	40.0	0.21	0.13
138Guscio fond.	88	87	156	157	1	3	40.0	0.21	0.13
139Guscio fond.	219	218	283	284	1	3	40.0	0.21	0.13
140Guscio fond.	284	283	274	276	1	3	40.0	0.21	0.13
141Guscio fond.	190	188	8	72	1	3	40.0	0.21	0.13
142Guscio fond.	183	181	68	69	1	3	40.0	0.21	0.13
143Guscio fond.	102	103	41	40	1	3	40.0	0.21	0.13
144Guscio fond.	254	251	190	192	1	3	40.0	0.21	0.13
145Guscio fond.	211	209	273	275	1	3	40.0	0.21	0.13
146Guscio fond.	187	185	70	71	1	3	40.0	0.21	0.13
147Guscio fond.	111	112	49	48	1	3	40.0	0.21	0.13
148Guscio fond.	209	207	271	273	1	3	40.0	0.21	0.13
149Guscio fond.	82	81	151	152	1	3	40.0	0.21	0.13

150Guscio fond.	196	195	257	259	1	3	40.0	0.21	0.13
151Guscio fond.	113	114	51	50	1	3	40.0	0.21	0.13
152Guscio fond.	45	46	200	202	1	3	40.0	0.21	0.13
153Guscio fond.	74	73	142	143	1	3	40.0	0.21	0.13
154Guscio fond.	202	200	263	265	1	3	40.0	0.21	0.13
155Guscio fond.	112	113	50	49	1	3	40.0	0.21	0.13
156Guscio fond.	94	95	32	31	1	3	40.0	0.21	0.13
157Guscio fond.	159	10	158	30	1	3	40.0	0.21	0.13
158Guscio fond.	10	88	157	158	1	3	40.0	0.21	0.13
159Guscio fond.	89	220	88	10	1	3	40.0	0.21	0.13
160Guscio fond.	166	282	230	231	1	3	40.0	0.21	0.13
161Guscio fond.	252	253	243	244	1	3	40.0	0.21	0.13
162Guscio fond.	185	183	69	70	1	3	40.0	0.21	0.13
163Guscio fond.	255	252	244	246	1	3	40.0	0.21	0.13
164Guscio fond.	267	265	256	258	1	3	40.0	0.21	0.13
165Guscio fond.	194	192	73	74	1	3	40.0	0.21	0.13
166Guscio fond.	55	56	179	180	1	3	40.0	0.21	0.13
167Guscio fond.	268	266	203	204	1	3	40.0	0.21	0.13
168Guscio fond.	21	93	1	164	1	3	40.0	0.21	0.13
169Guscio fond.	174	172	63	64	1	3	40.0	0.21	0.13
170Guscio fond.	116	24	4	52	1	3	40.0	0.21	0.13
171Guscio fond.	64	63	131	132	1	3	40.0	0.21	0.13
172Guscio fond.	63	62	130	131	1	3	40.0	0.21	0.13
173Guscio fond.	70	69	138	139	1	3	40.0	0.21	0.13
174Guscio fond.	71	70	139	140	1	3	40.0	0.21	0.13
175Guscio fond.	95	96	34	33	1	3	40.0	0.21	0.13
176Guscio fond.	83	82	152	153	1	3	40.0	0.21	0.13
177Guscio fond.	68	67	136	137	1	3	40.0	0.21	0.13
178Guscio fond.	260	259	250	251	1	3	40.0	0.21	0.13
179Guscio fond.	103	22	2	41	1	3	40.0	0.21	0.13
180Guscio fond.	279	277	268	269	1	3	40.0	0.21	0.13
181Guscio fond.	222	221	165	167	1	3	40.0	0.21	0.13
182Guscio fond.	226	178	7	67	1	3	40.0	0.21	0.13
183Guscio fond.	104	105	43	42	1	3	40.0	0.21	0.13
184Guscio fond.	232	222	167	168	1	3	40.0	0.21	0.13
185Guscio fond.	217	215	279	281	1	3	40.0	0.21	0.13
186Guscio fond.	193	191	252	255	1	3	40.0	0.21	0.13
187Guscio fond.	212	210	82	83	1	3	40.0	0.21	0.13
188Guscio fond.	57	5	58	175	1	3	40.0	0.21	0.13
189Guscio fond.	60	126	127	61	1	3	40.0	0.21	0.13
190Guscio fond.	61	127	128	6	1	3	40.0	0.21	0.13
191Guscio fond.	93	94	31	1	1	3	40.0	0.21	0.13
192Guscio fond.	278	276	212	214	1	3	40.0	0.21	0.13
193Guscio fond.	2	42	207	209	1	3	40.0	0.21	0.13
194Guscio fond.	160	89	10	159	1	3	40.0	0.21	0.13
195Guscio fond.	100	101	39	38	1	3	40.0	0.21	0.13
196Guscio fond.	99	100	38	37	1	3	40.0	0.21	0.13
197Guscio fond.	208	206	80	81	1	3	40.0	0.21	0.13
198Guscio fond.	52	4	186	227	1	3	40.0	0.21	0.13
199Guscio fond.	22	104	42	2	1	3	40.0	0.21	0.13
200Guscio fond.	259	257	248	250	1	3	40.0	0.21	0.13
201Guscio fond.	165	284	276	278	1	3	40.0	0.21	0.13
202Guscio fond.	73	72	141	142	1	3	40.0	0.21	0.13
203Guscio fond.	231	230	86	87	1	3	40.0	0.21	0.13
204Guscio fond.	97	98	36	35	1	3	40.0	0.21	0.13
205Guscio fond.	86	85	155	156	1	3	40.0	0.21	0.13
206Guscio fond.	241	235	234	236	1	3	40.0	0.21	0.13
207Guscio fond.	36	37	218	219	1	3	40.0	0.21	0.13
208Guscio fond.	192	190	72	73	1	3	40.0	0.21	0.13
209Guscio fond.	239	238	177	178	1	3	40.0	0.21	0.13
210Guscio fond.	50	51	189	191	1	3	40.0	0.21	0.13
211Guscio fond.	176	174	64	65	1	3	40.0	0.21	0.13
212Guscio fond.	246	244	183	185	1	3	40.0	0.21	0.13
213Guscio fond.	214	212	83	84	1	3	40.0	0.21	0.13
214Guscio fond.	210	208	81	82	1	3	40.0	0.21	0.13
215Guscio fond.	198	196	259	260	1	3	40.0	0.21	0.13
216Guscio fond.	179	175	173	235	1	3	40.0	0.21	0.13
217Guscio fond.	197	228	75	76	1	3	40.0	0.21	0.13
218Guscio fond.	44	45	202	229	1	3	40.0	0.21	0.13
219Guscio fond.	41	2	209	211	1	3	40.0	0.21	0.13
220Guscio fond.	172	170	62	63	1	3	40.0	0.21	0.13
221Guscio fond.	191	189	253	252	1	3	40.0	0.21	0.13
222Guscio fond.	69	68	137	138	1	3	40.0	0.21	0.13
223Guscio fond.	9	77	147	29	1	3	40.0	0.21	0.13
224Guscio fond.	51	52	227	189	1	3	40.0	0.21	0.13
225Guscio fond.	96	97	35	34	1	3	40.0	0.21	0.13

226Guscio fond.	263	260	251	254	1	3	40.0	0.21	0.13
227Guscio fond.	257	255	246	248	1	3	40.0	0.21	0.13
228Guscio fond.	228	194	74	75	1	3	40.0	0.21	0.13
229Guscio fond.	182	180	241	242	1	3	40.0	0.21	0.13
230Guscio fond.	87	86	156		1	3	40.0	0.21	0.13
231Guscio fond.	32	95	33		1	3	40.0	0.21	0.13
232Guscio fond.	136	67	135		1	3	40.0	0.21	0.13
233Guscio fond.	145	75	144		1	3	40.0	0.21	0.13
234Guscio fond.	106	107	44		1	3	40.0	0.21	0.13
235Guscio fond.	115	116	52		1	3	40.0	0.21	0.13



16_MOD_NUMERAZIONE_D3



16_MOD_SPESSORI_D3

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello. Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.
L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.
I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.
L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)

Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
	simboli utilizzati con il metodo delle tensioni ammissibili:
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
	simboli utilizzati con il metodo degli stati limite:
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti

sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).
Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.
Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [53].

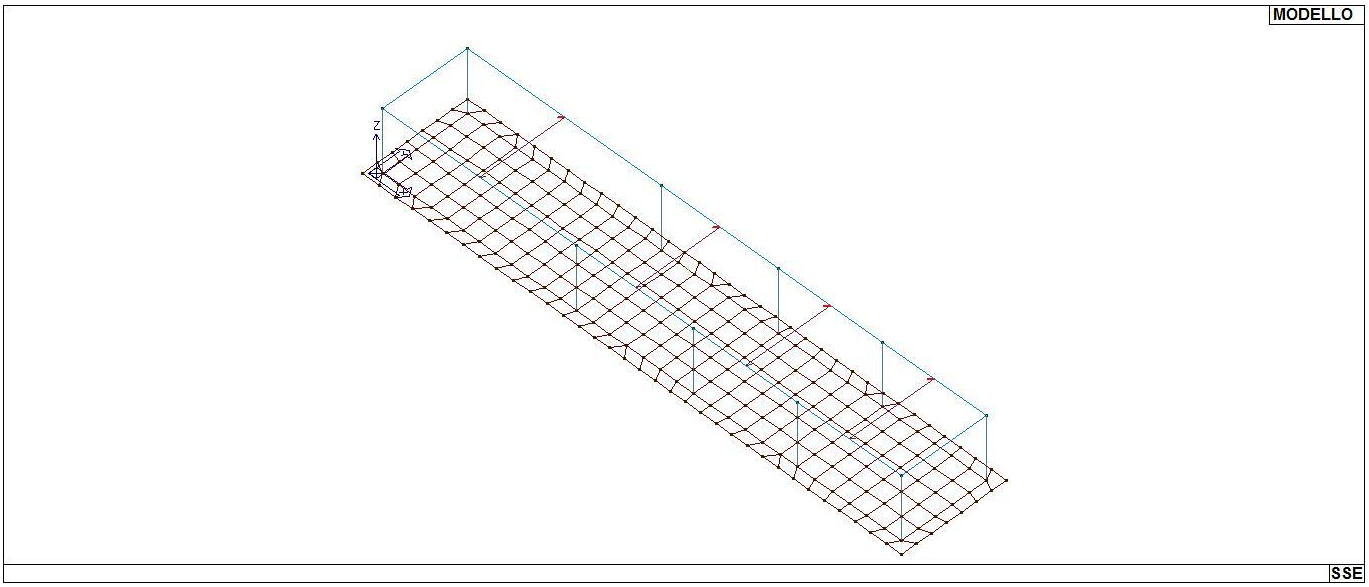
La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		daN/cm2	daN/cm2	daN/cm2							
7	Neve	5.00e-02		2.00e-02		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						daN/cm2	daN/cm2	daN/cm2					
1	CM	7	m=1	5.0	90.0	5.00e-02		2.00e-02	13	15	17	19	20
									18	16	14	12	11



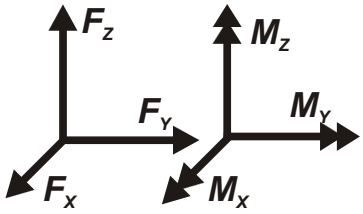
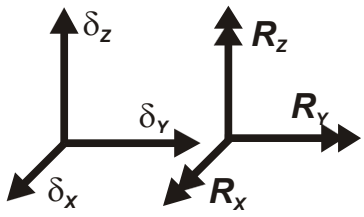
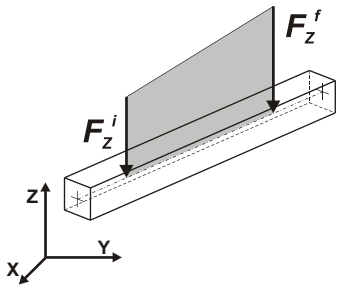
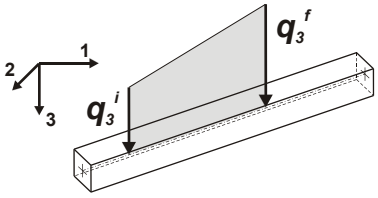
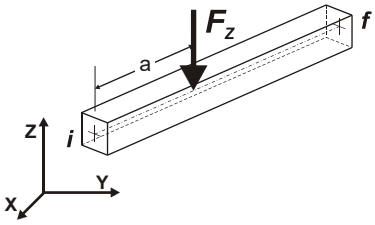
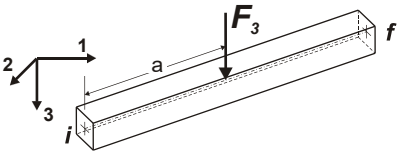
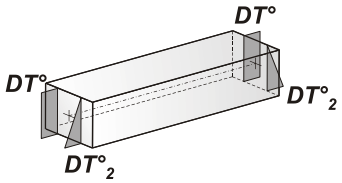
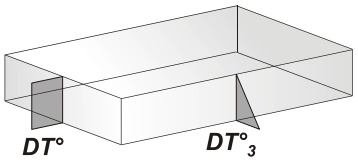
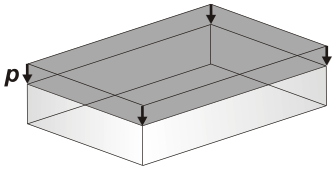
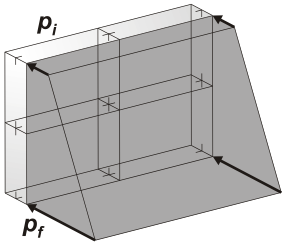
17_MOD_NUMERAZIONE_SOLAI

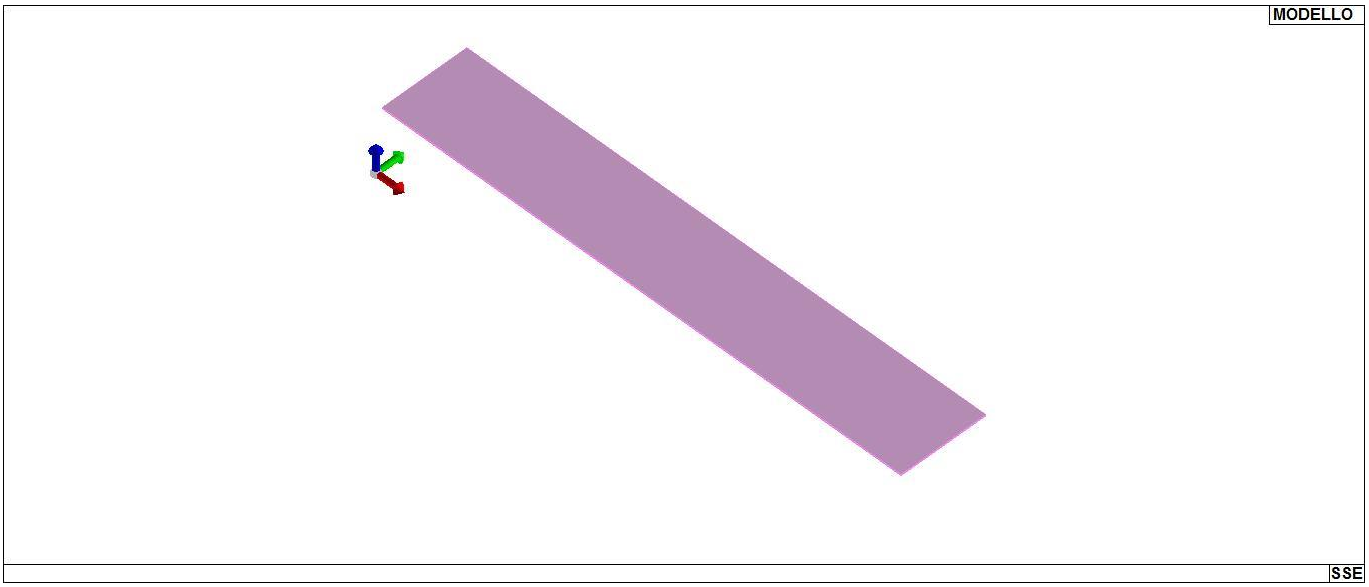
MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

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

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



21_CAR_CARICHI_SOLAI

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

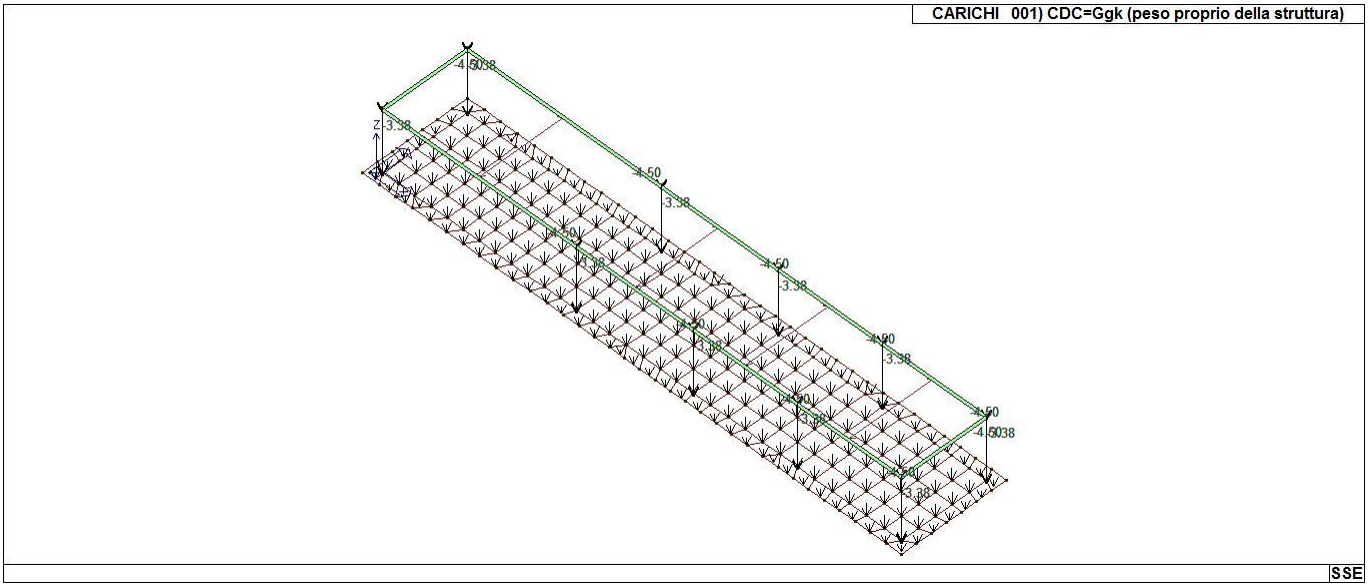
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

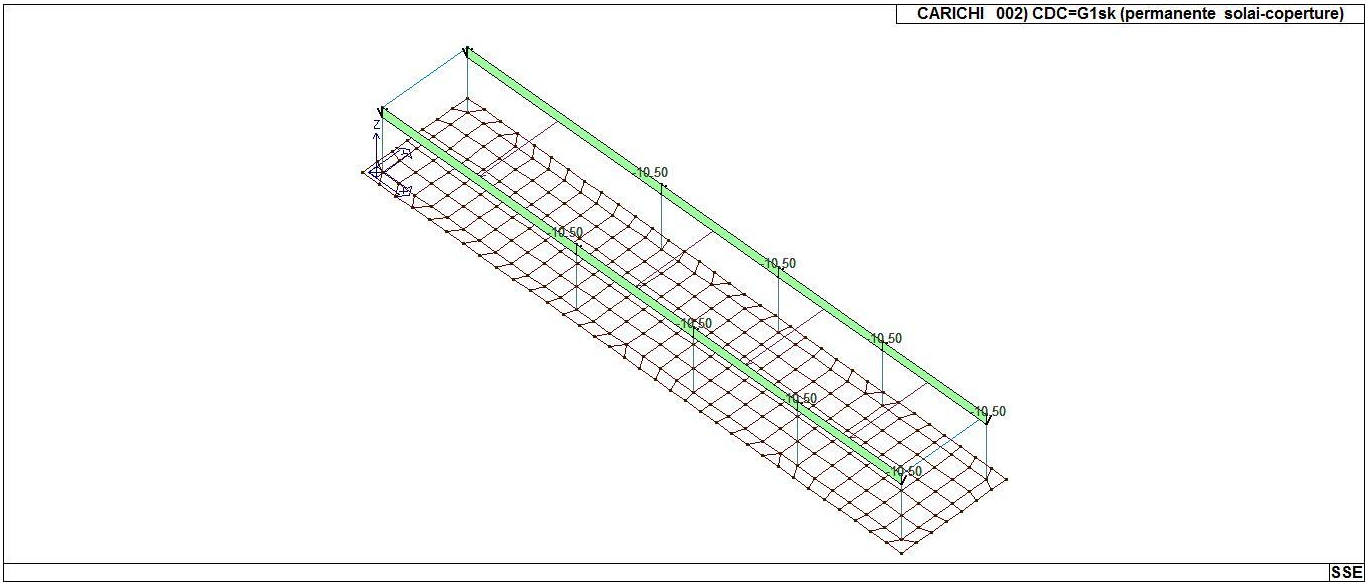
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Qnk	CDC=Qnk (carico da neve)	
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=Qnk (carico da neve)

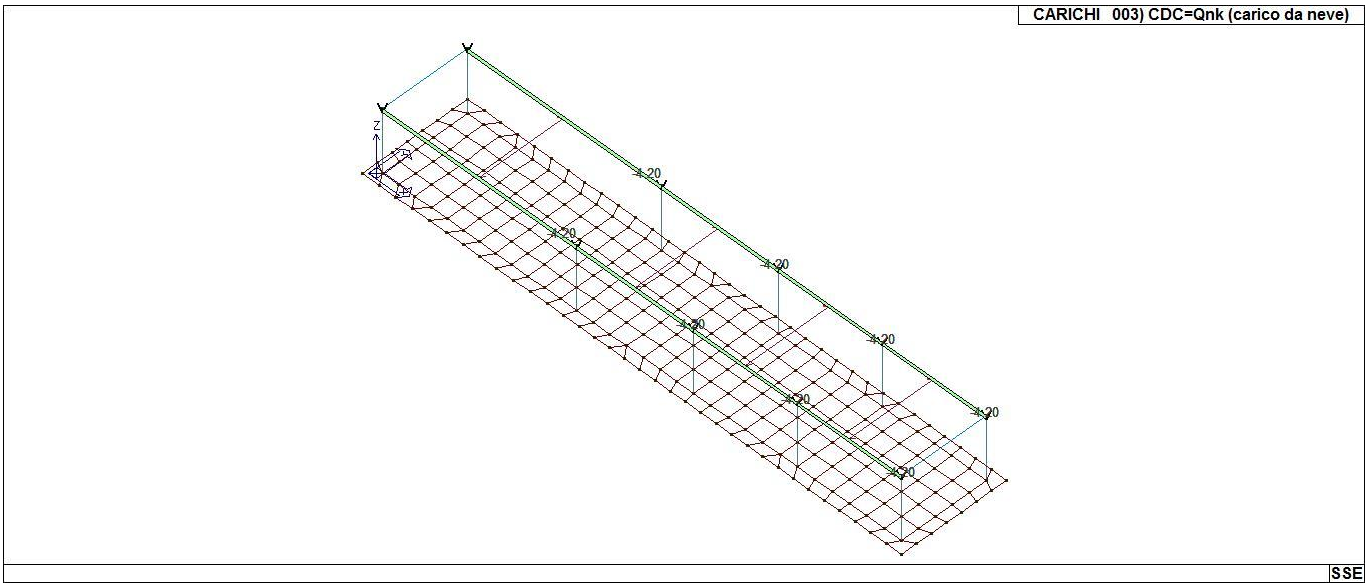
CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico



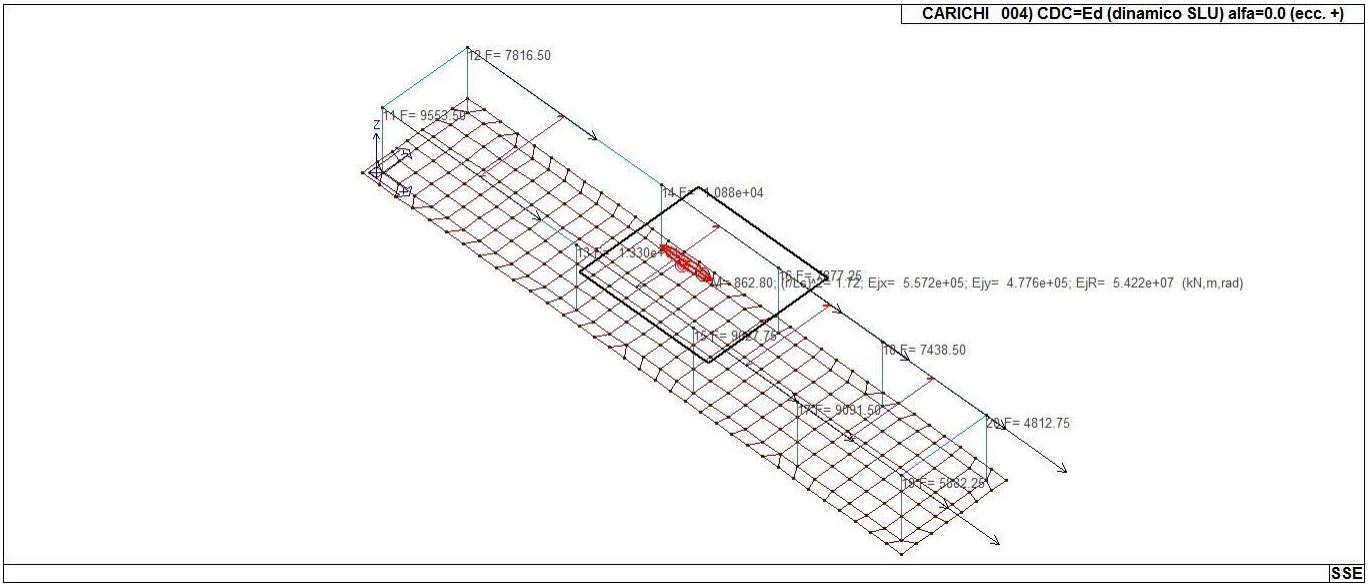
22_CDC_001_CDC=Ggk (peso proprio della struttura)



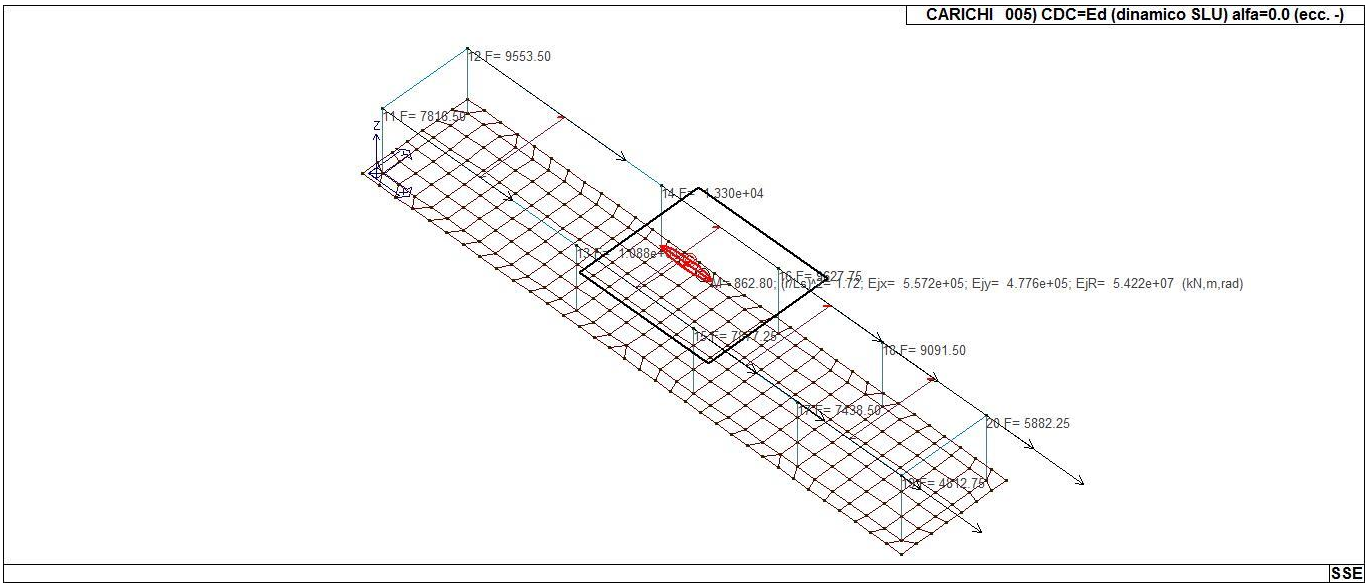
22_CDC_002_CDC=G1sk (permanente solai-coperture)



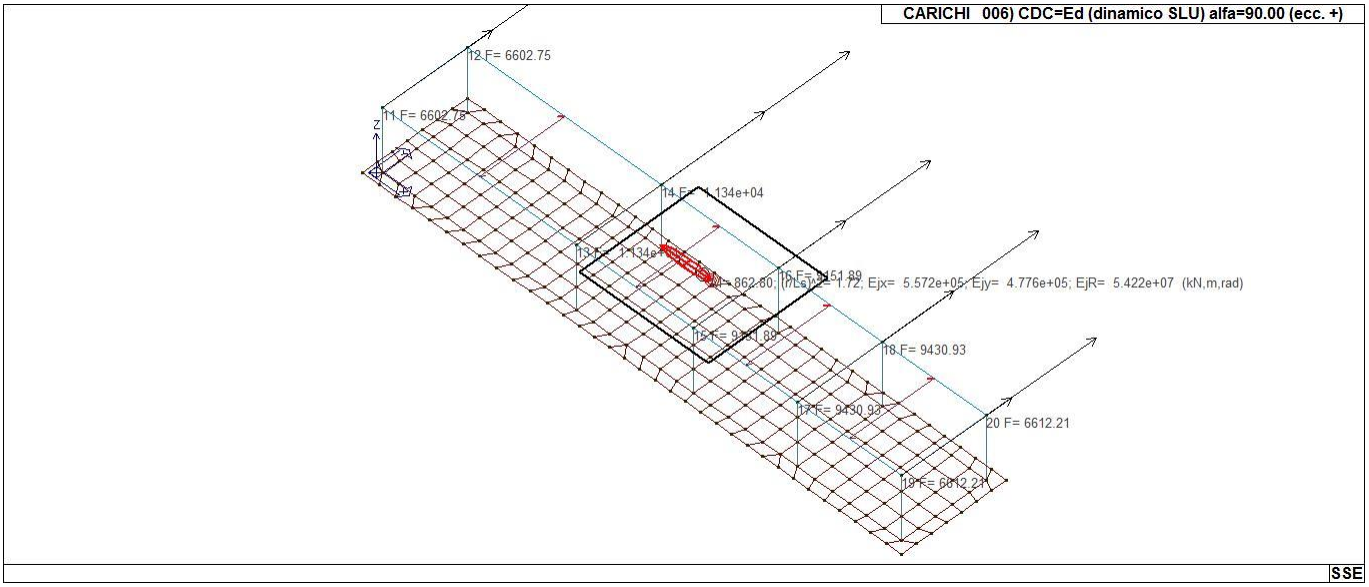
22_CDC_003_CDC=Qnk (carico da neve)



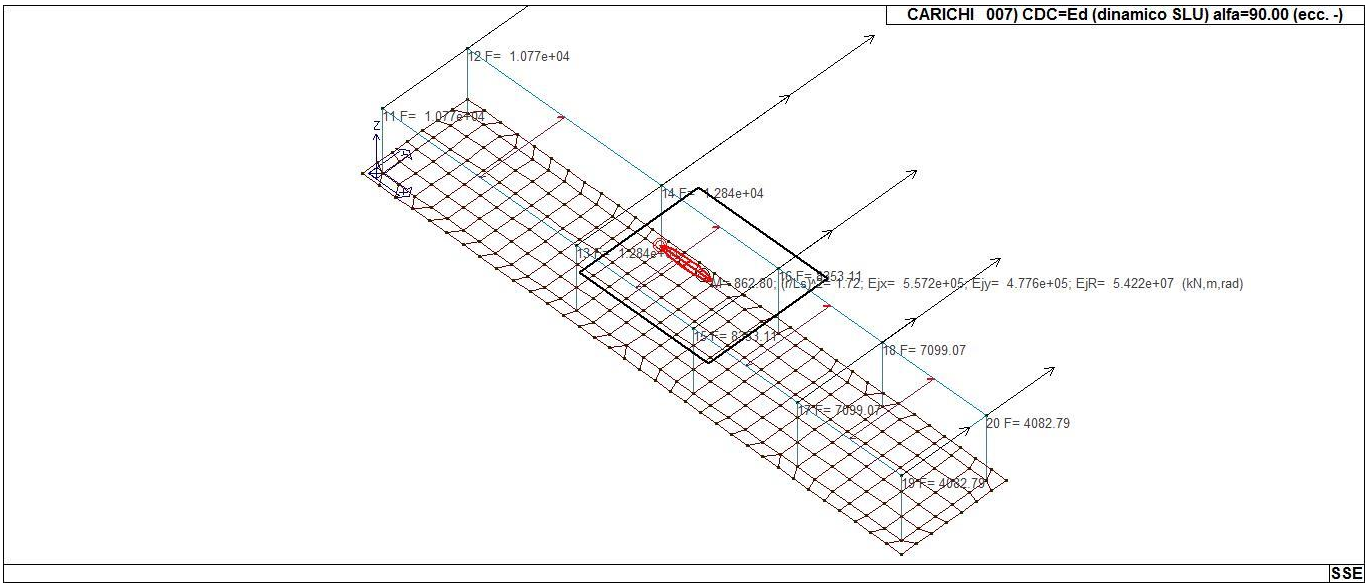
22_CDC_004_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



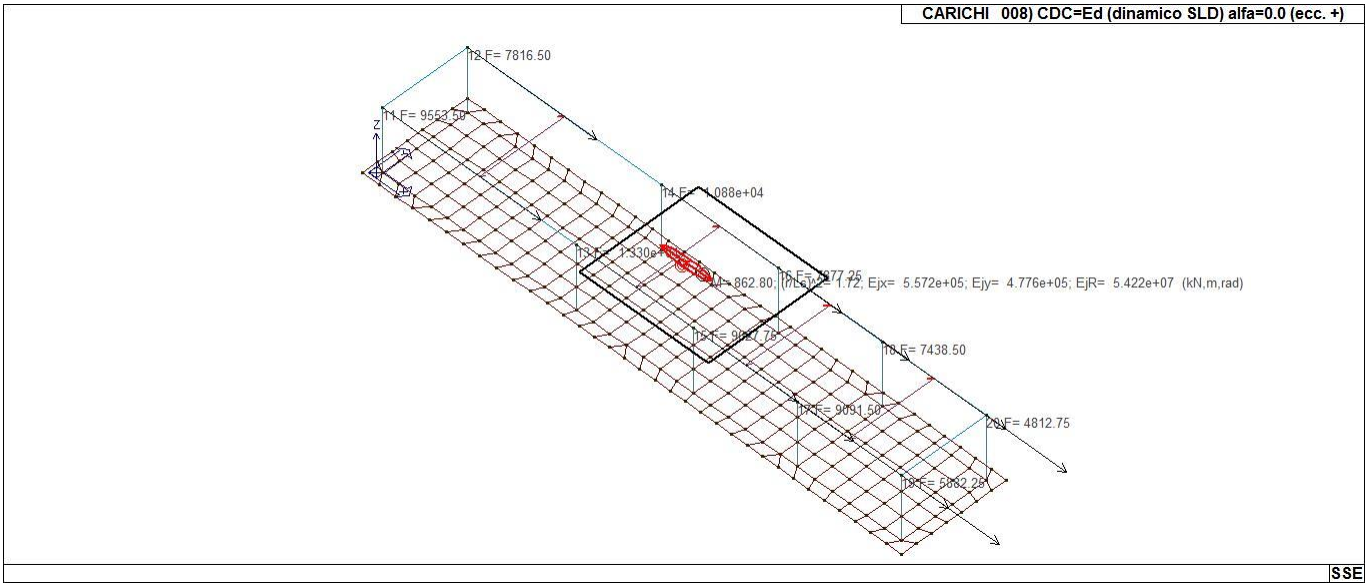
22_CDC_005_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)



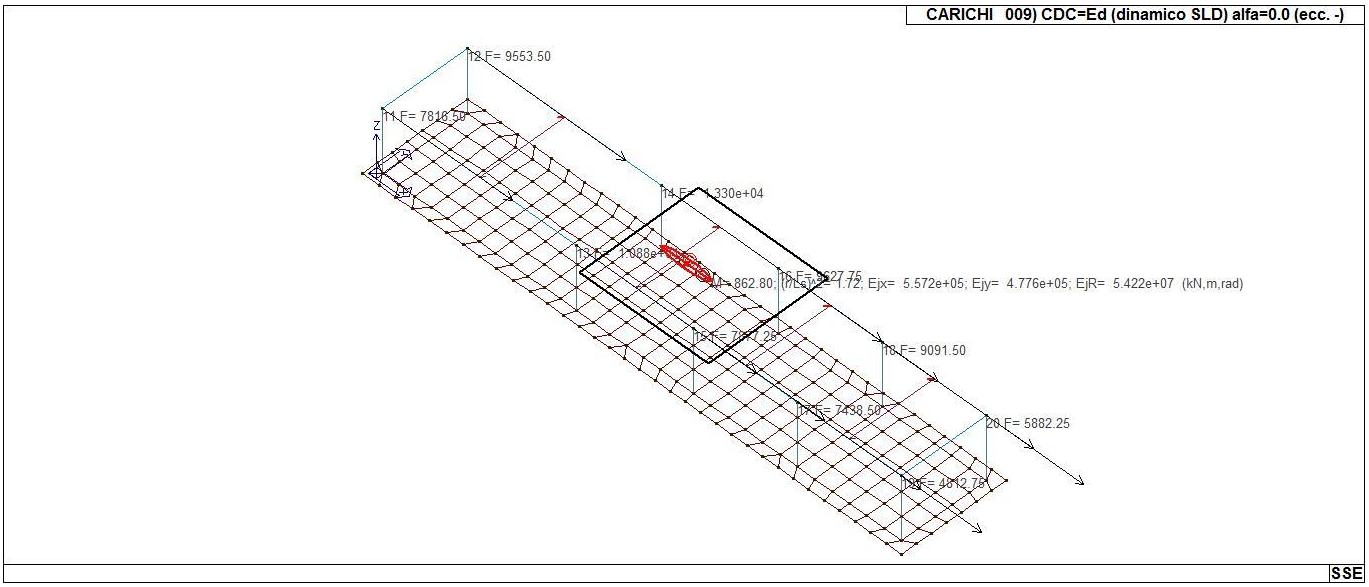
22_CDC_006_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



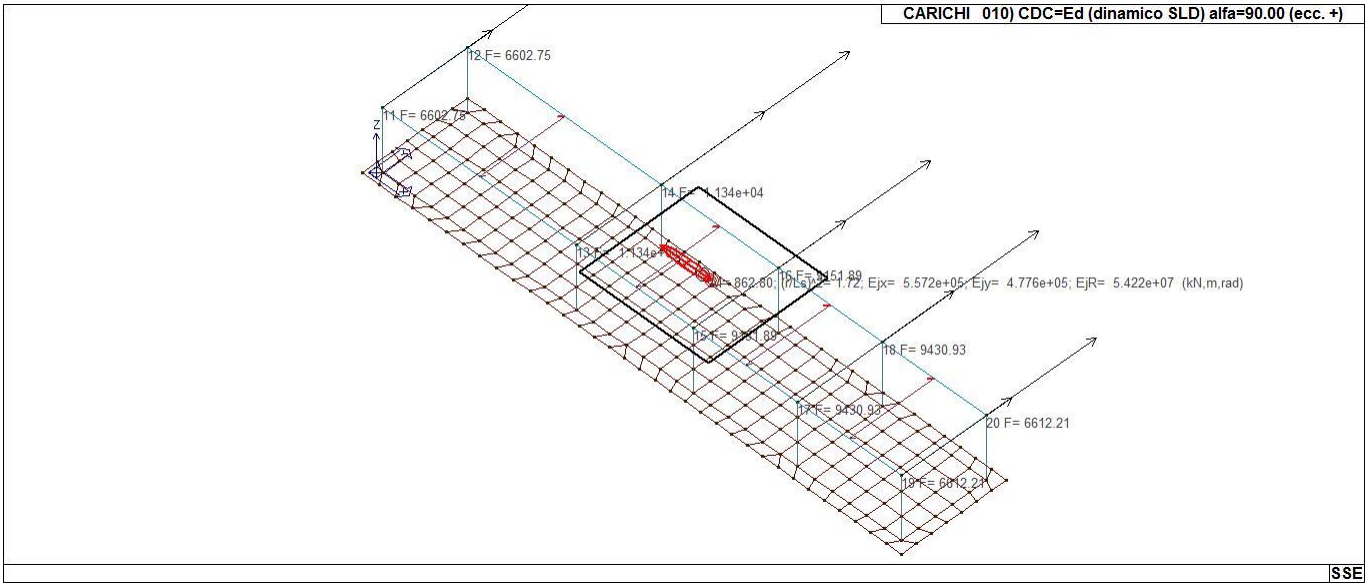
22_CDC_007_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)



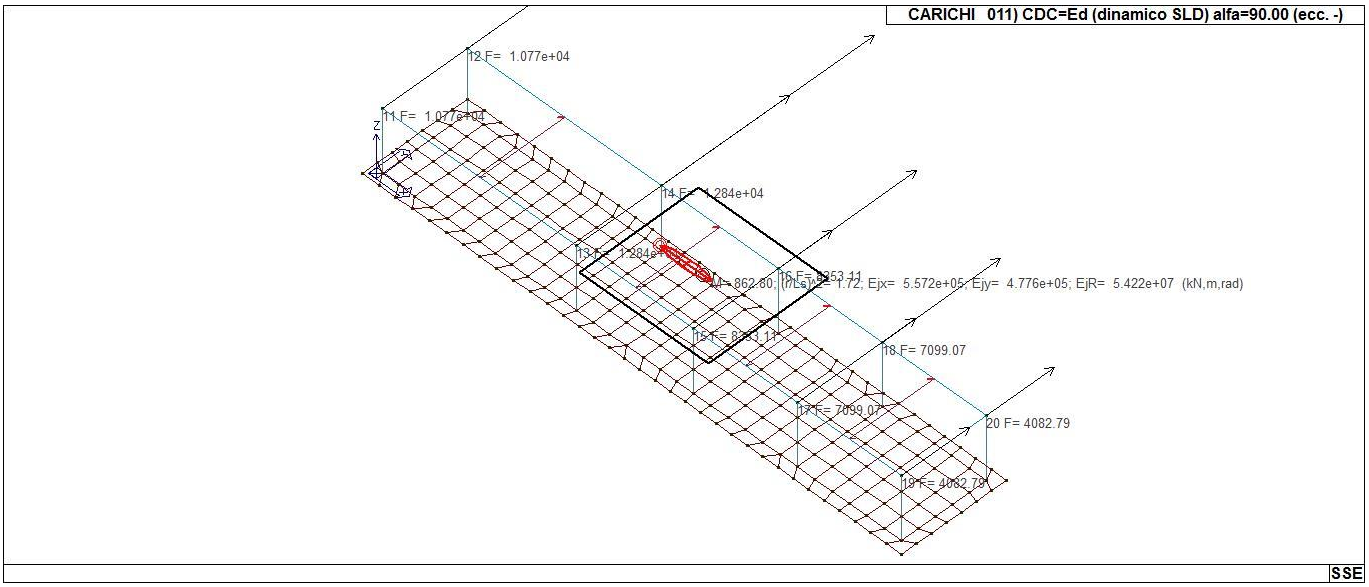
22_CDC_008_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



22_CDC_009_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)



22_CDC_010_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)



22_CDC_011_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

***Combinazione fondamentale** SLU*

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

***Combinazione caratteristica** (rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

***Combinazione frequente** SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione quasi permanente** SLE*

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione sismica**, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E*

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

***Combinazione eccezionale**, impiegata per gli stati limite connessi alle azioni eccezionali*

$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*

Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	
8	SLU	Comb. SLU A1 (SLV sism.) 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLD(sis)	Comb. SLE (SLD Danno sism.) 38	
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	

Cmb	Tipo	Sigla Id	effetto P-delta
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLU(acc.)	Comb. SLU (Accid.) 69	
70	SLE(r)	Comb. SLE(rara) 70	
71	SLE(r)	Comb. SLE(rara) 71	
72	SLE(f)	Comb. SLE(freq.) 72	
73	SLE(f)	Comb. SLE(freq.) 73	
74	SLE(p)	Comb. SLE(perm.) 74	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
2	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
4	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
5	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0			
6	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0			
7	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0			
8	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0			
9	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0			
10	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0			
11	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0			
12	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0			
13	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0			
14	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0			
15	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0			
16	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0			
17	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0			
18	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0			
19	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0			
20	1.00	1.00	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0			
21	1.00	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0			
22	1.00	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0			
23	1.00	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0			
24	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0			
25	1.00	1.00	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0			
26	1.00	1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0			
27	1.00	1.00	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0			
28	1.00	1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0			
29	1.00	1.00	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0			
30	1.00	1.00	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0			
31	1.00	1.00	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0			
32	1.00	1.00	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0			
33	1.00	1.00	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0			
34	1.00	1.00	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0			
35	1.00	1.00	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0			
36	1.00	1.00	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0			
37	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0			
38	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0			
39	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0			
40	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0			
41	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30			
42	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30			
43	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30			
44	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30			
45	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0			
46	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0			
47	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0			
48	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0			
49	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30			
50	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30			
51	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30			
52	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30			
53	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0			
54	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0			
55	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0			
56	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0			
57	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0			

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
58	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0			
59	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0			
60	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0			
61	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00			
62	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00			
63	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00			
64	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00			
65	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00			
66	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00			
67	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00			
68	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00			
69	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
70	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
71	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
72	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
73	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
74	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

Dove per sottosuolo di categoria **A** i coefficienti S_S e C_C valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_S e C_C vengono calcolati mediante le espressioni riportane nella seguente Tabella

Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

Categoria di sottosuolo	S_S	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	15.769	41.287	
31225	15.752	41.263	3.013
31226	15.818	41.261	4.996
31004	15.820	41.311	5.011
31003	15.754	41.313	3.141

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.044	2.508	0.280
SLD	63.0	50.0	0.056	2.558	0.310
SLV	10.0	475.0	0.162	2.518	0.415
SLC	5.0	975.0	0.224	2.466	0.425

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.044	1.500	2.508	0.708	0.149	0.447	1.775
SLD	0.056	1.500	2.558	0.816	0.160	0.479	1.824
SLV	0.162	1.455	2.518	1.370	0.194	0.582	2.250
SLC	0.224	1.369	2.466	1.574	0.197	0.592	2.494

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

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

a) **analisi sismica statica equivalente**:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

b) **analisi sismica dinamica con spettro di risposta**:

- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

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

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.455

CDC	Tipo	Sigla Id	Note
			ordinata spettro (tratto Tb-Tc) = 0.595 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.220 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	0.0	-21.00	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.678	0.373	0.595	0.09	1.05e-04	7.874e+04	91.3	0.0	0.0	0.0	0.0
2	3.877	0.258	0.595	602.16	0.7	55.01	6.38e-02	0.05	5.34e-05	0.0	0.0
3	4.551	0.220	0.595	8.196e+04	95.0	0.12	1.36e-04	22.19	2.57e-02	0.0	0.0
4	7.192	0.139	0.493	1442.00	1.7	2.12e-05	0.0	1.301e+04	15.1	0.0	0.0
5	8.758	0.114	0.447	575.01	0.7	1.20	1.39e-03	6.708e+04	77.7	0.0	0.0
6	8.795	0.114	0.446	0.04	4.13e-05	6051.20	7.0	16.15	1.87e-02	0.0	0.0
7	9.350	0.107	0.434	1684.12	2.0	0.16	1.84e-04	6091.35	7.1	0.0	0.0
8	15.264	0.066	0.357	0.17	1.99e-04	1375.32	1.6	0.18	2.07e-04	0.0	0.0
9	16.986	0.059	0.345	18.55	2.15e-02	3.55	4.11e-03	55.74	6.46e-02	0.0	0.0
Risulta				8.628e+04		8.623e+04		8.628e+04			
In percentuale				100.00		99.94		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.455
			ordinata spettro (tratto Tb-Tc) = 0.595 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.220 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	0.0	21.00	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.678	0.373	0.595	0.09	1.08e-04	7.874e+04	91.3	1.01e-06	0.0	0.0	0.0
2	3.877	0.258	0.595	602.32	0.7	55.01	6.38e-02	0.05	5.27e-05	0.0	0.0
3	4.551	0.220	0.595	8.196e+04	95.0	0.12	1.34e-04	22.19	2.57e-02	0.0	0.0
4	7.192	0.139	0.493	1442.01	1.7	1.65e-05	0.0	1.301e+04	15.1	0.0	0.0
5	8.758	0.114	0.447	575.01	0.7	1.13	1.30e-03	6.708e+04	77.8	0.0	0.0
6	8.795	0.114	0.446	0.03	3.72e-05	6051.27	7.0	15.26	1.77e-02	0.0	0.0
7	9.350	0.107	0.434	1684.13	2.0	0.16	1.87e-04	6091.28	7.1	0.0	0.0
8	15.264	0.066	0.357	0.17	1.99e-04	1375.40	1.6	0.17	2.01e-04	0.0	0.0
9	16.988	0.059	0.345	18.54	2.15e-02	3.47	4.02e-03	55.74	6.46e-02	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
Risulta				8.628e+04		8.623e+04		8.628e+04			
In percentuale				100.00		99.94		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.455
			ordinata spettro (tratto Tb-Tc) = 0.595 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.375 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	128.50	0.0	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.665	0.375	0.595	2.52e-06	0.0	7.841e+04	90.9	0.0	0.0	0.0	0.0
2	4.022	0.249	0.595	1.44e-05	0.0	422.97	0.5	0.0	0.0	0.0	0.0
3	4.546	0.220	0.595	8.256e+04	95.7	3.96e-06	0.0	22.17	2.57e-02	0.0	0.0
4	7.192	0.139	0.493	1440.89	1.7	2.01e-06	0.0	1.301e+04	15.1	0.0	0.0
5	8.757	0.114	0.447	589.38	0.7	1.85e-05	0.0	6.677e+04	77.4	0.0	0.0
6	9.126	0.110	0.439	1.07e-03	1.24e-06	6905.40	8.0	6.64e-03	7.70e-06	0.0	0.0
7	9.325	0.107	0.434	1641.83	1.9	5.11e-03	5.92e-06	6405.92	7.4	0.0	0.0
8	12.717	0.079	0.382	43.58	5.05e-02	6.68e-04	0.0	37.85	4.39e-02	0.0	0.0
9	19.443	0.051	0.331	4.21	4.87e-03	1.42e-03	1.65e-06	37.55	4.35e-02	0.0	0.0
Risulta				8.628e+04		8.574e+04		8.628e+04			
In percentuale				100.00		99.37		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.455
			ordinata spettro (tratto Tb-Tc) = 0.595 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.378 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	-128.50	0.0	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.647	0.378	0.595	3.04e-06	0.0	7.752e+04	89.8	0.0	0.0	0.0	0.0
2	3.916	0.255	0.595	0.0	0.0	1283.94	1.5	0.0	0.0	0.0	0.0
3	4.546	0.220	0.595	8.256e+04	95.7	3.13e-06	0.0	22.17	2.57e-02	0.0	0.0
4	7.192	0.139	0.493	1440.89	1.7	0.0	0.0	1.301e+04	15.1	0.0	0.0
5	8.757	0.114	0.447	589.38	0.7	7.00e-06	0.0	6.677e+04	77.4	0.0	0.0
6	9.125	0.110	0.439	2.99e-04	0.0	6937.39	8.0	7.14e-04	0.0	0.0	0.0
7	9.325	0.107	0.434	1641.83	1.9	1.46e-03	1.70e-06	6405.92	7.4	0.0	0.0
8	12.717	0.079	0.382	43.58	5.05e-02	4.59e-04	0.0	37.85	4.39e-02	0.0	0.0
9	19.443	0.051	0.331	4.21	4.87e-03	1.79e-04	0.0	37.55	4.35e-02	0.0	0.0
Risulta				8.628e+04		8.574e+04		8.628e+04			
In percentuale				100.00		99.38		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.214 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.220 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	0.0	-21.00	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.678	0.373	0.214	0.09	1.05e-04	7.874e+04	91.3	0.0	0.0	0.0	0.0
2	3.877	0.258	0.214	602.16	0.7	55.01	6.38e-02	0.05	5.34e-05	0.0	0.0
3	4.551	0.220	0.214	8.196e+04	95.0	0.12	1.36e-04	22.19	2.57e-02	0.0	0.0
4	7.192	0.139	0.197	1442.00	1.7	2.12e-05	0.0	1.301e+04	15.1	0.0	0.0
5	8.758	0.114	0.177	575.01	0.7	1.20	1.39e-03	6.708e+04	77.7	0.0	0.0
6	8.795	0.114	0.177	0.04	4.13e-05	6051.20	7.0	16.15	1.87e-02	0.0	0.0
7	9.350	0.107	0.171	1684.12	2.0	0.16	1.84e-04	6091.35	7.1	0.0	0.0
8	15.264	0.066	0.137	0.17	1.99e-04	1375.32	1.6	0.18	2.07e-04	0.0	0.0
9	16.986	0.059	0.132	18.55	2.15e-02	3.55	4.11e-03	55.74	6.46e-02	0.0	0.0
Risulta				8.628e+04		8.623e+04		8.628e+04			
In percentuale				100.00		99.94		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.214 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.220 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	0.0	21.00	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.678	0.373	0.214	0.09	1.08e-04	7.874e+04	91.3	1.01e-06	0.0	0.0	0.0
2	3.877	0.258	0.214	602.32	0.7	55.01	6.38e-02	0.05	5.27e-05	0.0	0.0
3	4.551	0.220	0.214	8.196e+04	95.0	0.12	1.34e-04	22.19	2.57e-02	0.0	0.0
4	7.192	0.139	0.197	1442.01	1.7	1.65e-05	0.0	1.301e+04	15.1	0.0	0.0
5	8.758	0.114	0.177	575.01	0.7	1.13	1.30e-03	6.708e+04	77.8	0.0	0.0
6	8.795	0.114	0.177	0.03	3.72e-05	6051.27	7.0	15.26	1.77e-02	0.0	0.0
7	9.350	0.107	0.171	1684.13	2.0	0.16	1.87e-04	6091.28	7.1	0.0	0.0
8	15.264	0.066	0.137	0.17	1.99e-04	1375.40	1.6	0.17	2.01e-04	0.0	0.0
9	16.988	0.059	0.132	18.54	2.15e-02	3.47	4.02e-03	55.74	6.46e-02	0.0	0.0
Risulta				8.628e+04		8.623e+04		8.628e+04			
In percentuale				100.00		99.94		100.00			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.214 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.375 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	128.50	0.0	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.665	0.375	0.214	2.52e-06	0.0	7.841e+04	90.9	0.0	0.0	0.0	0.0
2	4.022	0.249	0.214	1.44e-05	0.0	422.97	0.5	0.0	0.0	0.0	0.0
3	4.546	0.220	0.214	8.256e+04	95.7	3.96e-06	0.0	22.17	2.57e-02	0.0	0.0
4	7.192	0.139	0.197	1440.89	1.7	2.01e-06	0.0	1.301e+04	15.1	0.0	0.0
5	8.757	0.114	0.177	589.38	0.7	1.85e-05	0.0	6.677e+04	77.4	0.0	0.0
6	9.126	0.110	0.173	1.07e-03	1.24e-06	6905.40	8.0	6.64e-03	7.70e-06	0.0	0.0
7	9.325	0.107	0.171	1641.83	1.9	5.11e-03	5.92e-06	6405.92	7.4	0.0	0.0
8	12.717	0.079	0.148	43.58	5.05e-02	6.68e-04	0.0	37.85	4.39e-02	0.0	0.0
9	19.443	0.051	0.126	4.21	4.87e-03	1.42e-03	1.65e-06	37.55	4.35e-02	0.0	0.0
Risulta				8.628e+04		8.574e+04		8.628e+04			
In percentuale				100.00		99.37		100.00			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.214 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.378 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	8.628e+04	1308.76	225.00	-128.50	0.0	1393.33	225.00	1.722	0.079	0.0
Risulta	8.628e+04									

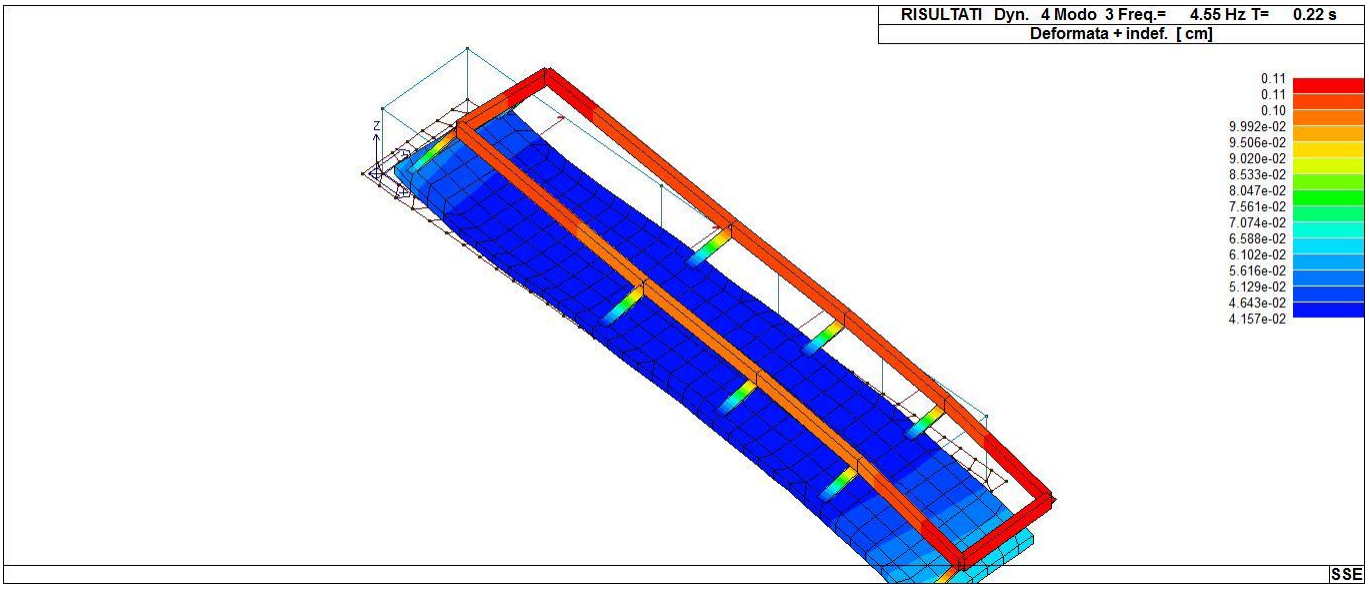
Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.647	0.378	0.214	3.04e-06	0.0	7.752e+04	89.8	0.0	0.0	0.0	0.0
2	3.916	0.255	0.214	0.0	0.0	1283.94	1.5	0.0	0.0	0.0	0.0
3	4.546	0.220	0.214	8.256e+04	95.7	3.13e-06	0.0	22.17	2.57e-02	0.0	0.0
4	7.192	0.139	0.197	1440.89	1.7	0.0	0.0	1.301e+04	15.1	0.0	0.0
5	8.757	0.114	0.177	589.38	0.7	7.00e-06	0.0	6.677e+04	77.4	0.0	0.0
6	9.125	0.110	0.173	2.99e-04	0.0	6937.39	8.0	7.14e-04	0.0	0.0	0.0
7	9.325	0.107	0.171	1641.83	1.9	1.46e-03	1.70e-06	6405.92	7.4	0.0	0.0
8	12.717	0.079	0.148	43.58	5.05e-02	4.59e-04	0.0	37.85	4.39e-02	0.0	0.0
9	19.443	0.051	0.126	4.21	4.87e-03	1.79e-04	0.0	37.55	4.35e-02	0.0	0.0
Risulta				8.628e+04		8.574e+04		8.628e+04			
In percentuale				100.00		99.38		100.00			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
37	1	0.75	0.24	320.0	2	0.77	0.25	320.0	3	0.76	0.24	320.0
	14	0.62	0.20	320.0	15	0.60	0.19	320.0	16	0.68	0.22	320.0
	17	0.66	0.21	320.0	18	0.74	0.24	320.0	19	0.73	0.23	320.0
	20	0.76	0.24	320.0								
38	1	0.68	0.22	320.0	2	0.62	0.20	320.0	3	0.63	0.20	320.0
	14	0.72	0.23	320.0	15	0.75	0.24	320.0	16	0.69	0.22	320.0
	17	0.72	0.23	320.0	18	0.69	0.22	320.0	19	0.71	0.23	320.0
	20	0.66	0.21	320.0								
39	1	0.69	0.22	320.0	2	0.66	0.21	320.0	3	0.67	0.21	320.0
	14	0.68	0.22	320.0	15	0.70	0.22	320.0	16	0.74	0.24	320.0
	17	0.75	0.24	320.0	18	0.71	0.23	320.0	19	0.72	0.23	320.0
	20	0.69	0.22	320.0								
40	1	0.79	0.25	320.0	2	0.79	0.25	320.0	3	0.80	0.26	320.0
	14	0.56	0.18	320.0	15	0.55	0.18	320.0	16	0.71	0.23	320.0
	17	0.71	0.23	320.0	18	0.75	0.24	320.0	19	0.75	0.24	320.0
	20	0.77	0.25	320.0								
41	1	0.70	0.22	320.0	2	0.64	0.20	320.0	3	0.67	0.21	320.0
	14	0.70	0.22	320.0	15	0.71	0.23	320.0	16	0.69	0.22	320.0
	17	0.70	0.22	320.0	18	0.69	0.22	320.0	19	0.72	0.23	320.0
	20	0.68	0.22	320.0								
42	1	0.60	0.19	320.0	2	0.54	0.17	320.0	3	0.52	0.17	320.0
	14	0.85	0.27	320.0	15	0.85	0.27	320.0	16	0.73	0.23	320.0
	17	0.74	0.24	320.0	18	0.68	0.22	320.0	19	0.67	0.21	320.0
	20	0.61	0.20	320.0								
43	1	0.61	0.20	320.0	2	0.59	0.19	320.0	3	0.56	0.18	320.0
	14	0.82	0.26	320.0	15	0.80	0.26	320.0	16	0.78	0.25	320.0
	17	0.76	0.24	320.0	18	0.71	0.23	320.0	19	0.68	0.22	320.0
	20	0.65	0.21	320.0								
44	1	0.73	0.23	320.0	2	0.67	0.21	320.0	3	0.71	0.23	320.0
	14	0.65	0.21	320.0	15	0.68	0.22	320.0	16	0.72	0.23	320.0
	17	0.76	0.24	320.0	18	0.71	0.23	320.0	19	0.75	0.24	320.0
	20	0.69	0.22	320.0								
45	1	0.66	0.21	320.0	2	0.63	0.20	320.0	3	0.62	0.20	320.0
	14	0.75	0.24	320.0	15	0.72	0.23	320.0	16	0.72	0.23	320.0
	17	0.69	0.22	320.0	18	0.71	0.23	320.0	19	0.69	0.22	320.0
	20	0.68	0.22	320.0								
46	1	0.76	0.24	320.0	2	0.76	0.24	320.0	3	0.77	0.25	320.0
	14	0.60	0.19	320.0	15	0.62	0.20	320.0	16	0.66	0.21	320.0
	17	0.68	0.22	320.0	18	0.73	0.23	320.0	19	0.74	0.24	320.0
	20	0.75	0.24	320.0								
47	1	0.77	0.25	320.0	2	0.80	0.26	320.0	3	0.79	0.25	320.0
	14	0.55	0.18	320.0	15	0.56	0.18	320.0	16	0.71	0.23	320.0
	17	0.71	0.23	320.0	18	0.75	0.24	320.0	19	0.75	0.24	320.0
	20	0.79	0.25	320.0								
48	1	0.69	0.22	320.0	2	0.67	0.21	320.0	3	0.66	0.21	320.0
	14	0.70	0.22	320.0	15	0.68	0.22	320.0	16	0.75	0.24	320.0
	17	0.74	0.24	320.0	18	0.72	0.23	320.0	19	0.71	0.23	320.0
	20	0.69	0.22	320.0								

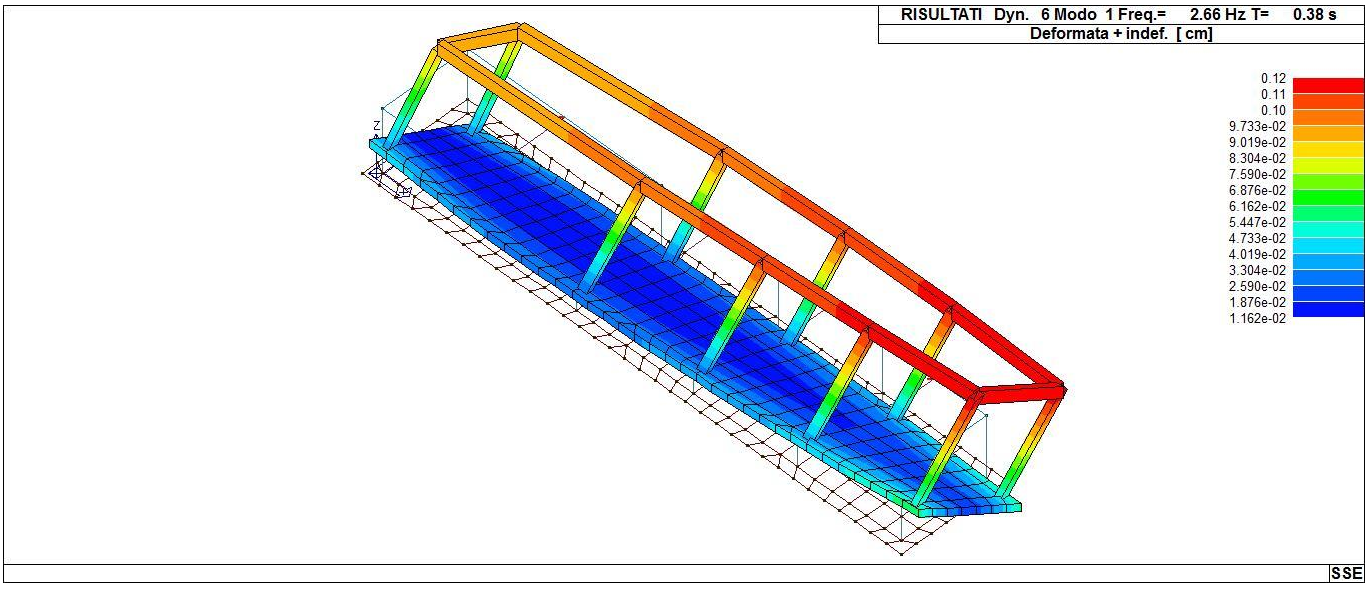
49	1	0.61	0.20	320.0	2	0.52	0.17	320.0	3	0.54	0.17	320.0
	14	0.85	0.27	320.0	15	0.85	0.27	320.0	16	0.74	0.24	320.0
	17	0.73	0.23	320.0	18	0.67	0.21	320.0	19	0.68	0.22	320.0
	20	0.60	0.19	320.0								
50	1	0.68	0.22	320.0	2	0.67	0.21	320.0	3	0.64	0.20	320.0
	14	0.71	0.23	320.0	15	0.70	0.22	320.0	16	0.70	0.22	320.0
	17	0.69	0.22	320.0	18	0.72	0.23	320.0	19	0.69	0.22	320.0
	20	0.70	0.22	320.0								
51	1	0.69	0.22	320.0	2	0.71	0.23	320.0	3	0.67	0.21	320.0
	14	0.68	0.22	320.0	15	0.65	0.21	320.0	16	0.76	0.24	320.0
	17	0.72	0.23	320.0	18	0.75	0.24	320.0	19	0.71	0.23	320.0
	20	0.73	0.23	320.0								
52	1	0.65	0.21	320.0	2	0.56	0.18	320.0	3	0.59	0.19	320.0
	14	0.80	0.26	320.0	15	0.82	0.26	320.0	16	0.76	0.24	320.0
	17	0.78	0.25	320.0	18	0.68	0.22	320.0	19	0.71	0.23	320.0
	20	0.61	0.20	320.0								
53	1	1.91	0.61	320.0	2	1.89	0.60	320.0	3	1.88	0.60	320.0
	14	1.53	0.49	320.0	15	1.51	0.48	320.0	16	1.82	0.58	320.0
	17	1.80	0.57	320.0	18	1.91	0.61	320.0	19	1.89	0.61	320.0
	20	1.92	0.62	320.0								
54	1	1.89	0.61	320.0	2	1.82	0.58	320.0	3	1.83	0.59	320.0
	14	1.56	0.50	320.0	15	1.59	0.51	320.0	16	1.81	0.58	320.0
	17	1.83	0.59	320.0	18	1.88	0.60	320.0	19	1.90	0.61	320.0
	20	1.88	0.60	320.0								
55	1	1.88	0.60	320.0	2	1.84	0.59	320.0	3	1.83	0.59	320.0
	14	1.57	0.50	320.0	15	1.57	0.50	320.0	16	1.83	0.59	320.0
	17	1.82	0.58	320.0	18	1.89	0.61	320.0	19	1.89	0.60	320.0
	20	1.89	0.61	320.0								
56	1	1.93	0.62	320.0	2	1.88	0.60	320.0	3	1.89	0.60	320.0
	14	1.51	0.48	320.0	15	1.52	0.49	320.0	16	1.81	0.58	320.0
	17	1.82	0.58	320.0	18	1.90	0.61	320.0	19	1.91	0.61	320.0
	20	1.92	0.61	320.0								
57	1	1.88	0.60	320.0	2	1.83	0.59	320.0	3	1.82	0.58	320.0
	14	1.59	0.51	320.0	15	1.56	0.50	320.0	16	1.83	0.59	320.0
	17	1.81	0.58	320.0	18	1.90	0.61	320.0	19	1.88	0.60	320.0
	20	1.89	0.61	320.0								
58	1	1.92	0.62	320.0	2	1.88	0.60	320.0	3	1.89	0.60	320.0
	14	1.51	0.48	320.0	15	1.53	0.49	320.0	16	1.80	0.57	320.0
	17	1.82	0.58	320.0	18	1.89	0.61	320.0	19	1.91	0.61	320.0
	20	1.91	0.61	320.0								
59	1	1.92	0.61	320.0	2	1.89	0.60	320.0	3	1.88	0.60	320.0
	14	1.52	0.49	320.0	15	1.51	0.48	320.0	16	1.82	0.58	320.0
	17	1.81	0.58	320.0	18	1.91	0.61	320.0	19	1.90	0.61	320.0
	20	1.93	0.62	320.0								
60	1	1.89	0.61	320.0	2	1.83	0.59	320.0	3	1.84	0.59	320.0
	14	1.57	0.50	320.0	15	1.57	0.50	320.0	16	1.82	0.58	320.0
	17	1.83	0.59	320.0	18	1.89	0.60	320.0	19	1.89	0.61	320.0
	20	1.88	0.60	320.0								
61	1	1.63	0.52	320.0	2	1.42	0.45	320.0	3	1.42	0.45	320.0
	14	2.00	0.64	320.0	15	1.99	0.64	320.0	16	1.93	0.62	320.0
	17	1.92	0.61	320.0	18	1.80	0.58	320.0	19	1.80	0.57	320.0
	20	1.63	0.52	320.0								
62	1	1.59	0.51	320.0	2	1.37	0.44	320.0	3	1.37	0.44	320.0
	14	2.05	0.66	320.0	15	2.05	0.66	320.0	16	1.93	0.62	320.0
	17	1.95	0.62	320.0	18	1.78	0.57	320.0	19	1.79	0.57	320.0
	20	1.59	0.51	320.0								
63	1	1.58	0.51	320.0	2	1.39	0.44	320.0	3	1.36	0.44	320.0
	14	2.05	0.66	320.0	15	2.04	0.65	320.0	16	1.96	0.63	320.0
	17	1.93	0.62	320.0	18	1.80	0.58	320.0	19	1.78	0.57	320.0
	20	1.61	0.52	320.0								
64	1	1.64	0.53	320.0	2	1.41	0.45	320.0	3	1.44	0.46	320.0
	14	1.98	0.63	320.0	15	2.00	0.64	320.0	16	1.92	0.61	320.0
	17	1.94	0.62	320.0	18	1.79	0.57	320.0	19	1.81	0.58	320.0
	20	1.62	0.52	320.0								
65	1	1.59	0.51	320.0	2	1.37	0.44	320.0	3	1.37	0.44	320.0
	14	2.05	0.66	320.0	15	2.05	0.66	320.0	16	1.95	0.62	320.0
	17	1.93	0.62	320.0	18	1.79	0.57	320.0	19	1.78	0.57	320.0
	20	1.59	0.51	320.0								
66	1	1.63	0.52	320.0	2	1.42	0.45	320.0	3	1.42	0.45	320.0
	14	1.99	0.64	320.0	15	2.00	0.64	320.0	16	1.92	0.61	320.0
	17	1.93	0.62	320.0	18	1.80	0.57	320.0	19	1.80	0.58	320.0
	20	1.63	0.52	320.0								
67	1	1.62	0.52	320.0	2	1.44	0.46	320.0	3	1.41	0.45	320.0
	14	2.00	0.64	320.0	15	1.98	0.64	320.0	16	1.94	0.62	320.0
	17	1.92	0.61	320.0	18	1.81	0.58	320.0	19	1.79	0.57	320.0
	20	1.64	0.53	320.0								

68	1	1.61	0.52	320.0	2	1.36	0.44	320.0	3	1.39	0.44	320.0
	14	2.04	0.65	320.0	15	2.05	0.66	320.0	16	1.93	0.62	320.0
	17	1.96	0.63	320.0	18	1.78	0.57	320.0	19	1.80	0.58	320.0
	20	1.58	0.51	320.0								

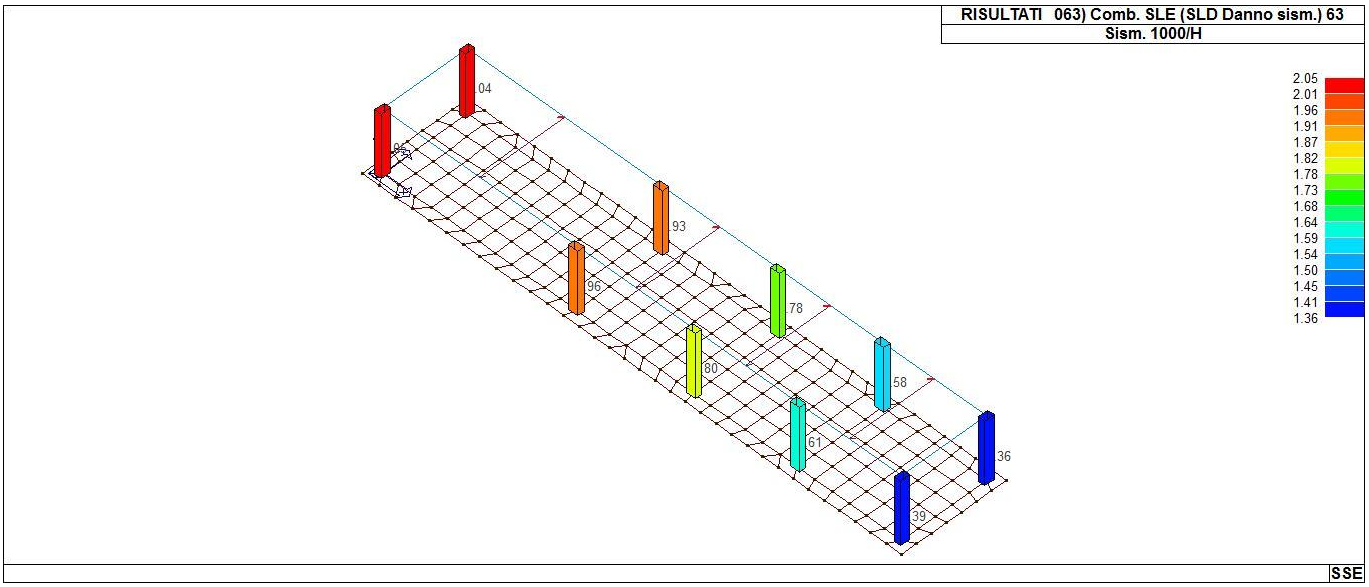
Cmb	**1000 etaT/h**
	2.05



31_RIS_MODOX_003_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



31_RIS_MODOY_001_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



31_RIS_SLE_063_Comb. SLE (SLD Danno sism.) 63

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	2	-0.03	-2.79e-03	-1.37	1.44e-04	-1.33e-03	0.0
1	19	-0.31	0.09	-0.88	-9.95e-04	-1.27e-03	-1.34e-05
1	30	0.09	-0.46	-1.68	4.33e-03	-1.01e-03	1.74e-04
1	32	-0.08	-0.43	-1.81	4.22e-03	-1.36e-03	1.54e-04
1	51	-0.12	0.03	-0.92	-3.01e-04	-9.77e-04	-4.45e-06
1	62	0.02	-0.17	-1.20	1.62e-03	-8.83e-04	6.31e-05
1	64	-0.04	-0.16	-1.25	1.58e-03	-1.01e-03	5.59e-05
1	69	-0.02	-1.77e-03	-0.93	9.09e-05	-8.11e-04	0.0
1	71	-0.02	-2.10e-03	-1.03	1.08e-04	-9.92e-04	0.0
1	73	-0.02	-1.83e-03	-0.95	9.44e-05	-8.47e-04	0.0
1	74	-0.02	-1.77e-03	-0.93	9.09e-05	-8.11e-04	0.0
2	2	8.52e-03	-4.98e-03	-1.19	2.61e-04	3.30e-04	1.77e-06
2	18	0.29	-0.08	-0.89	8.55e-04	4.62e-04	3.12e-06
2	30	0.11	-0.29	-1.26	2.56e-03	2.41e-04	1.30e-04
2	32	-0.05	-0.28	-1.31	2.59e-03	7.09e-05	1.11e-04
2	50	0.11	-0.03	-0.84	4.07e-04	2.92e-04	1.80e-06
2	62	0.04	-0.11	-0.98	1.02e-03	2.13e-04	4.75e-05
2	64	-0.02	-0.10	-0.99	1.03e-03	1.51e-04	4.08e-05
2	69	5.06e-03	-2.95e-03	-0.81	1.54e-04	1.97e-04	1.05e-06
2	71	6.35e-03	-3.71e-03	-0.90	1.94e-04	2.46e-04	1.32e-06
2	73	5.32e-03	-3.10e-03	-0.83	1.62e-04	2.07e-04	1.11e-06
2	74	5.06e-03	-2.95e-03	-0.81	1.54e-04	1.97e-04	1.05e-06
3	1	3.66e-04	-2.33e-03	-1.03	1.18e-04	-5.76e-05	0.0
3	2	3.38e-04	-2.99e-03	-1.15	1.52e-04	-8.50e-05	0.0
3	18	0.29	-0.08	-0.90	8.19e-04	3.06e-04	-6.12e-06
3	26	0.07	-0.28	-1.27	2.57e-03	1.36e-04	-1.12e-04
3	28	-0.10	-0.27	-1.28	2.54e-03	-6.45e-05	-9.14e-05
3	50	0.10	-0.03	-0.83	3.54e-04	8.22e-05	-2.20e-06
3	58	0.02	-0.10	-0.97	9.84e-04	2.08e-05	-4.04e-05
3	60	-0.04	-0.10	-0.97	9.75e-04	-5.16e-05	-3.30e-05
3	69	2.81e-04	-1.79e-03	-0.79	9.09e-05	-4.43e-05	0.0
3	70	2.81e-04	-1.79e-03	-0.79	9.09e-05	-4.43e-05	0.0
3	71	2.63e-04	-2.23e-03	-0.88	1.13e-04	-6.26e-05	0.0
3	72	2.81e-04	-1.79e-03	-0.79	9.09e-05	-4.43e-05	0.0
3	73	2.78e-04	-1.88e-03	-0.81	9.54e-05	-4.80e-05	0.0
3	74	2.81e-04	-1.79e-03	-0.79	9.09e-05	-4.43e-05	0.0
4	2	1.47e-03	-3.39e-03	-1.15	1.74e-04	-3.26e-05	0.0
4	13	0.29	0.07	-0.69	-6.84e-04	3.82e-04	2.36e-06
4	22	0.06	-0.33	-1.40	3.00e-03	3.26e-04	-1.17e-04
4	24	-0.10	-0.35	-1.35	3.05e-03	5.35e-05	-1.37e-04
4	45	0.11	0.02	-0.76	-1.80e-04	1.34e-04	0.0
4	54	0.02	-0.12	-1.01	1.15e-03	1.14e-04	-4.26e-05
4	56	-0.04	-0.13	-1.00	1.17e-03	1.54e-05	-4.97e-05
4	69	1.08e-03	-2.03e-03	-0.79	1.04e-04	-6.13e-06	0.0
4	71	1.13e-03	-2.53e-03	-0.87	1.30e-04	-2.25e-05	0.0
4	73	1.09e-03	-2.13e-03	-0.81	1.09e-04	-9.41e-06	0.0

4	74	1.08e-03	-2.03e-03	-0.79	1.04e-04	-6.13e-06	0.0
5	2	6.69e-03	-2.43e-03	-1.17	1.22e-04	2.27e-04	0.0
5	13	0.30	0.08	-0.87	-9.48e-04	7.09e-04	6.90e-06
5	22	0.07	-0.41	-1.68	3.96e-03	6.40e-04	-1.33e-04
5	24	-0.10	-0.44	-1.49	4.07e-03	2.56e-04	-1.53e-04
5	45	0.11	0.03	-0.84	-2.92e-04	3.61e-04	2.47e-06
5	54	0.03	-0.15	-1.13	1.48e-03	3.36e-04	-4.78e-05
5	56	-0.03	-0.16	-1.06	1.52e-03	1.97e-04	-5.51e-05
5	69	4.48e-03	-1.56e-03	-0.82	7.78e-05	1.64e-04	0.0
5	71	5.06e-03	-1.83e-03	-0.89	9.14e-05	1.73e-04	0.0
5	73	4.60e-03	-1.61e-03	-0.83	8.05e-05	1.66e-04	0.0
5	74	4.48e-03	-1.56e-03	-0.82	7.78e-05	1.64e-04	0.0
6	2	6.69e-03	2.42e-03	-1.17	-1.22e-04	2.27e-04	0.0
6	6	0.30	-0.08	-0.87	9.48e-04	7.09e-04	-6.92e-06
6	25	0.07	0.41	-1.68	-3.96e-03	6.40e-04	1.33e-04
6	27	-0.10	0.44	-1.49	-4.07e-03	2.56e-04	1.53e-04
6	38	0.11	-0.03	-0.84	2.92e-04	3.61e-04	-2.49e-06
6	57	0.03	0.15	-1.13	-1.48e-03	3.36e-04	4.78e-05
6	59	-0.03	0.16	-1.06	-1.52e-03	1.97e-04	5.51e-05
6	69	4.49e-03	1.55e-03	-0.82	-7.77e-05	1.64e-04	0.0
6	71	5.06e-03	1.82e-03	-0.89	-9.14e-05	1.73e-04	0.0
6	73	4.60e-03	1.61e-03	-0.83	-8.05e-05	1.66e-04	0.0
6	74	4.49e-03	1.55e-03	-0.82	-7.77e-05	1.64e-04	0.0
7	2	1.48e-03	3.39e-03	-1.15	-1.74e-04	-3.25e-05	0.0
7	6	0.29	-0.07	-0.69	6.84e-04	3.82e-04	-2.39e-06
7	25	0.06	0.33	-1.40	-3.00e-03	3.27e-04	1.17e-04
7	27	-0.10	0.35	-1.35	-3.05e-03	5.36e-05	1.37e-04
7	38	0.11	-0.02	-0.76	1.80e-04	1.34e-04	0.0
7	57	0.02	0.12	-1.01	-1.15e-03	1.14e-04	4.26e-05
7	59	-0.04	0.13	-1.00	-1.17e-03	1.54e-05	4.97e-05
7	69	1.08e-03	2.04e-03	-0.79	-1.04e-04	-6.09e-06	0.0
7	71	1.13e-03	2.53e-03	-0.87	-1.30e-04	-2.25e-05	0.0
7	73	1.09e-03	2.13e-03	-0.81	-1.09e-04	-9.37e-06	0.0
7	74	1.08e-03	2.04e-03	-0.79	-1.04e-04	-6.09e-06	0.0
8	1	3.67e-04	2.33e-03	-1.03	-1.18e-04	-5.76e-05	0.0
8	2	3.39e-04	2.99e-03	-1.15	-1.52e-04	-8.50e-05	0.0
8	9	0.29	0.08	-0.90	-8.19e-04	3.07e-04	6.12e-06
8	21	0.07	0.28	-1.27	-2.57e-03	1.36e-04	1.12e-04
8	23	-0.10	0.27	-1.28	-2.54e-03	-6.44e-05	9.15e-05
8	41	0.10	0.03	-0.83	-3.54e-04	8.22e-05	2.20e-06
8	53	0.02	0.10	-0.97	-9.84e-04	2.08e-05	4.04e-05
8	55	-0.04	0.10	-0.97	-9.75e-04	-5.16e-05	3.30e-05
8	69	2.82e-04	1.79e-03	-0.79	-9.09e-05	-4.43e-05	0.0
8	70	2.82e-04	1.79e-03	-0.79	-9.09e-05	-4.43e-05	0.0
8	71	2.64e-04	2.24e-03	-0.88	-1.14e-04	-6.26e-05	0.0
8	72	2.82e-04	1.79e-03	-0.79	-9.09e-05	-4.43e-05	0.0
8	73	2.78e-04	1.88e-03	-0.81	-9.54e-05	-4.80e-05	0.0
8	74	2.82e-04	1.79e-03	-0.79	-9.09e-05	-4.43e-05	0.0
9	2	8.52e-03	4.98e-03	-1.19	-2.61e-04	3.30e-04	-1.72e-06
9	9	0.29	0.08	-0.89	-8.55e-04	4.62e-04	-3.10e-06
9	33	0.11	0.29	-1.26	-2.56e-03	2.41e-04	-1.30e-04
9	35	-0.05	0.28	-1.31	-2.59e-03	7.11e-05	-1.11e-04
9	41	0.11	0.03	-0.84	-4.07e-04	2.93e-04	-1.77e-06
9	65	0.04	0.11	-0.98	-1.02e-03	2.13e-04	-4.75e-05
9	67	-0.02	0.10	-0.99	-1.03e-03	1.51e-04	-4.08e-05
9	69	5.06e-03	2.95e-03	-0.81	-1.54e-04	1.97e-04	-1.02e-06
9	71	6.36e-03	3.71e-03	-0.90	-1.94e-04	2.46e-04	-1.28e-06
9	73	5.32e-03	3.10e-03	-0.83	-1.62e-04	2.07e-04	-1.08e-06
9	74	5.06e-03	2.95e-03	-0.81	-1.54e-04	1.97e-04	-1.02e-06
10	2	-0.03	2.79e-03	-1.37	-1.44e-04	-1.33e-03	0.0
10	12	-0.31	-0.09	-0.88	9.95e-04	-1.27e-03	1.34e-05
10	33	0.09	0.46	-1.68	-4.33e-03	-1.01e-03	-1.74e-04
10	35	-0.08	0.43	-1.81	-4.22e-03	-1.36e-03	-1.54e-04
10	44	-0.12	-0.03	-0.92	3.01e-04	-9.77e-04	4.41e-06
10	65	0.02	0.17	-1.20	-1.62e-03	-8.83e-04	-6.31e-05
10	67	-0.04	0.16	-1.25	-1.58e-03	-1.01e-03	-5.59e-05
10	69	-0.02	1.77e-03	-0.93	-9.10e-05	-8.11e-04	0.0
10	71	-0.02	2.10e-03	-1.03	-1.08e-04	-9.92e-04	0.0
10	73	-0.02	1.83e-03	-0.95	-9.45e-05	-8.47e-04	0.0
10	74	-0.02	1.77e-03	-0.93	-9.10e-05	-8.11e-04	0.0
11	2	-0.01	-6.43e-05	-1.37	-9.50e-05	2.21e-03	0.0
11	16	-0.71	-0.59	-1.33	1.21e-03	6.98e-04	1.21e-05
11	32	-0.15	-2.20	-1.82	4.44e-03	9.53e-04	2.41e-04
11	36	-0.15	-2.27	-1.81	4.56e-03	9.54e-04	2.96e-04
11	48	-0.26	-0.21	-1.08	3.92e-04	1.07e-03	4.42e-06
11	64	-0.06	-0.79	-1.26	1.56e-03	1.16e-03	8.68e-05

11	68	-0.06	-0.82	-1.26	1.60e-03	1.16e-03	1.07e-04
11	69	-4.50e-03	-3.13e-05	-0.94	-6.67e-05	1.28e-03	0.0
11	71	-7.68e-03	-4.70e-05	-1.04	-7.22e-05	1.64e-03	0.0
11	73	-5.14e-03	-3.45e-05	-0.96	-6.78e-05	1.35e-03	0.0
11	74	-4.50e-03	-3.13e-05	-0.94	-6.67e-05	1.28e-03	0.0
12	2	-0.01	8.95e-05	-1.37	9.49e-05	2.21e-03	0.0
12	7	-0.71	0.59	-1.33	-1.21e-03	6.98e-04	-1.21e-05
12	31	-0.15	2.27	-1.81	-4.56e-03	9.54e-04	-2.96e-04
12	35	-0.15	2.20	-1.82	-4.44e-03	9.53e-04	-2.41e-04
12	39	-0.26	0.21	-1.08	-3.92e-04	1.07e-03	-4.43e-06
12	63	-0.06	0.82	-1.26	-1.60e-03	1.16e-03	-1.07e-04
12	67	-0.06	0.79	-1.26	-1.56e-03	1.16e-03	-8.68e-05
12	69	-4.50e-03	4.77e-05	-0.94	6.67e-05	1.28e-03	0.0
12	71	-7.68e-03	6.60e-05	-1.04	7.22e-05	1.64e-03	0.0
12	73	-5.14e-03	5.14e-05	-0.96	6.78e-05	1.35e-03	0.0
12	74	-4.50e-03	4.77e-05	-0.94	6.67e-05	1.28e-03	0.0
13	2	-0.01	-9.33e-05	-1.21	-1.37e-04	-9.58e-04	0.0
13	19	-0.71	0.57	-0.75	-1.95e-03	-1.03e-03	4.52e-06
13	32	-0.14	-1.98	-1.32	6.37e-03	-8.09e-04	2.62e-04
13	36	-0.15	-2.00	-1.32	6.41e-03	-8.08e-04	3.16e-04
13	51	-0.26	0.20	-0.80	-7.55e-04	-7.31e-04	1.79e-06
13	64	-0.05	-0.72	-1.00	2.24e-03	-6.51e-04	9.45e-05
13	68	-0.06	-0.72	-1.00	2.26e-03	-6.50e-04	1.14e-04
13	69	-5.29e-03	-4.78e-05	-0.82	-8.22e-05	-5.62e-04	0.0
13	71	-8.83e-03	-6.85e-05	-0.92	-1.02e-04	-7.14e-04	0.0
13	73	-5.99e-03	-5.19e-05	-0.84	-8.62e-05	-5.92e-04	0.0
13	74	-5.29e-03	-4.78e-05	-0.82	-8.22e-05	-5.62e-04	0.0
14	2	-0.01	1.00e-04	-1.21	1.37e-04	-9.58e-04	0.0
14	12	-0.71	-0.57	-0.75	1.95e-03	-1.03e-03	-4.51e-06
14	31	-0.15	2.00	-1.32	-6.41e-03	-8.08e-04	-3.16e-04
14	35	-0.14	1.98	-1.32	-6.37e-03	-8.09e-04	-2.62e-04
14	44	-0.26	-0.20	-0.80	7.54e-04	-7.31e-04	-1.79e-06
14	63	-0.06	0.72	-1.00	-2.26e-03	-6.50e-04	-1.14e-04
14	67	-0.05	0.72	-1.00	-2.24e-03	-6.51e-04	-9.45e-05
14	69	-5.28e-03	5.27e-05	-0.82	8.21e-05	-5.62e-04	0.0
14	71	-8.82e-03	7.37e-05	-0.92	1.02e-04	-7.14e-04	0.0
14	73	-5.99e-03	5.69e-05	-0.84	8.61e-05	-5.92e-04	0.0
14	74	-5.28e-03	5.27e-05	-0.82	8.21e-05	-5.62e-04	0.0
15	1	-6.49e-03	2.02e-05	-1.04	-7.61e-05	5.03e-05	0.0
15	2	-0.01	1.37e-05	-1.16	-9.73e-05	5.50e-05	0.0
15	19	-0.72	0.57	-0.69	-1.96e-03	-3.84e-04	-1.21e-05
15	21	0.24	1.96	-0.31	-6.53e-03	7.75e-05	2.09e-04
15	28	-0.25	-1.94	-1.29	6.37e-03	1.13e-06	-1.54e-04
15	51	-0.26	0.21	-0.76	-7.43e-04	-1.14e-04	-4.36e-06
15	53	0.08	0.71	-0.62	-2.39e-03	5.27e-05	7.55e-05
15	60	-0.09	-0.70	-0.98	2.26e-03	2.51e-05	-5.55e-05
15	69	-4.99e-03	1.56e-05	-0.80	-5.85e-05	3.87e-05	0.0
15	70	-4.99e-03	1.56e-05	-0.80	-5.85e-05	3.87e-05	0.0
15	71	-8.56e-03	1.12e-05	-0.88	-7.26e-05	4.18e-05	0.0
15	72	-4.99e-03	1.56e-05	-0.80	-5.85e-05	3.87e-05	0.0
15	73	-5.71e-03	1.47e-05	-0.82	-6.13e-05	3.93e-05	0.0
15	74	-4.99e-03	1.56e-05	-0.80	-5.85e-05	3.87e-05	0.0
16	1	-6.49e-03	-2.15e-05	-1.04	7.61e-05	5.03e-05	0.0
16	2	-0.01	-1.65e-05	-1.16	9.73e-05	5.50e-05	0.0
16	12	-0.72	-0.57	-0.69	1.96e-03	-3.84e-04	1.21e-05
16	23	-0.25	1.94	-1.29	-6.37e-03	1.14e-06	1.54e-04
16	26	0.24	-1.96	-0.31	6.53e-03	7.75e-05	-2.09e-04
16	44	-0.26	-0.21	-0.76	7.43e-04	-1.14e-04	4.36e-06
16	55	-0.09	0.70	-0.98	-2.26e-03	2.51e-05	5.55e-05
16	58	0.08	-0.71	-0.62	2.39e-03	5.27e-05	-7.55e-05
16	69	-4.99e-03	-1.66e-05	-0.80	5.85e-05	3.87e-05	0.0
16	70	-4.99e-03	-1.66e-05	-0.80	5.85e-05	3.87e-05	0.0
16	71	-8.56e-03	-1.32e-05	-0.88	7.27e-05	4.18e-05	0.0
16	72	-4.99e-03	-1.66e-05	-0.80	5.85e-05	3.87e-05	0.0
16	73	-5.70e-03	-1.59e-05	-0.82	6.14e-05	3.93e-05	0.0
16	74	-4.99e-03	-1.66e-05	-0.80	5.85e-05	3.87e-05	0.0
17	2	-0.01	-5.29e-05	-1.16	-9.80e-05	5.65e-05	0.0
17	19	-0.72	0.56	-0.58	-1.79e-03	-5.63e-04	-2.76e-05
17	22	0.17	-2.00	-1.41	5.97e-03	4.37e-04	-9.90e-05
17	26	0.17	-2.05	-1.41	6.07e-03	4.35e-04	-1.52e-04
17	51	-0.26	0.20	-0.72	-6.85e-04	-1.72e-04	-1.00e-05
17	54	0.06	-0.72	-1.02	2.11e-03	1.88e-04	-3.58e-05
17	58	0.06	-0.74	-1.02	2.15e-03	1.88e-04	-5.49e-05
17	69	-4.79e-03	-2.53e-05	-0.80	-6.04e-05	4.85e-05	0.0
17	71	-8.41e-03	-3.86e-05	-0.88	-7.34e-05	4.41e-05	0.0
17	73	-5.51e-03	-2.79e-05	-0.82	-6.30e-05	4.76e-05	0.0

17	74	-4.79e-03	-2.53e-05	-0.80	-6.04e-05	4.85e-05	0.0
18	2	-0.01	4.18e-05	-1.16	9.81e-05	5.65e-05	0.0
18	12	-0.72	-0.56	-0.58	1.79e-03	-5.63e-04	2.76e-05
18	21	0.17	2.05	-1.41	-6.07e-03	4.35e-04	1.52e-04
18	25	0.17	2.00	-1.41	-5.97e-03	4.37e-04	9.90e-05
18	44	-0.26	-0.20	-0.72	6.85e-04	-1.72e-04	1.00e-05
18	53	0.06	0.74	-1.02	-2.15e-03	1.88e-04	5.49e-05
18	57	0.06	0.72	-1.02	-2.11e-03	1.88e-04	3.58e-05
18	69	-4.79e-03	1.91e-05	-0.80	6.05e-05	4.84e-05	0.0
18	71	-8.40e-03	3.04e-05	-0.88	7.35e-05	4.41e-05	0.0
18	73	-5.51e-03	2.14e-05	-0.82	6.31e-05	4.76e-05	0.0
18	74	-4.79e-03	1.91e-05	-0.80	6.05e-05	4.84e-05	0.0
19	2	-0.01	-5.23e-05	-1.17	-8.78e-05	-3.80e-04	0.0
19	19	-0.72	0.55	-0.35	-1.26e-03	-8.84e-04	-2.90e-05
19	22	0.17	-2.03	-1.69	4.17e-03	2.57e-04	-9.50e-05
19	26	0.17	-2.10	-1.68	4.28e-03	2.55e-04	-1.47e-04
19	51	-0.26	0.20	-0.65	-4.93e-04	-4.45e-04	-1.04e-05
19	54	0.06	-0.73	-1.14	1.46e-03	-3.37e-05	-3.42e-05
19	58	0.06	-0.76	-1.13	1.50e-03	-3.46e-05	-5.31e-05
19	69	-4.77e-03	-2.60e-05	-0.82	-6.24e-05	-1.98e-04	0.0
19	71	-8.43e-03	-3.83e-05	-0.89	-6.68e-05	-2.80e-04	0.0
19	73	-5.50e-03	-2.85e-05	-0.84	-6.33e-05	-2.14e-04	0.0
19	74	-4.77e-03	-2.60e-05	-0.82	-6.24e-05	-1.98e-04	0.0
20	2	-0.01	3.19e-05	-1.17	8.78e-05	-3.80e-04	0.0
20	12	-0.72	-0.55	-0.35	1.26e-03	-8.84e-04	2.90e-05
20	25	0.17	2.03	-1.69	-4.17e-03	2.57e-04	9.49e-05
20	27	-0.23	2.10	-1.50	-4.28e-03	-1.20e-04	1.47e-04
20	44	-0.26	-0.20	-0.65	4.94e-04	-4.45e-04	1.04e-05
20	57	0.06	0.73	-1.14	-1.46e-03	-3.37e-05	3.42e-05
20	59	-0.09	0.76	-1.07	-1.50e-03	-1.70e-04	5.31e-05
20	69	-4.77e-03	1.42e-05	-0.82	6.24e-05	-1.98e-04	0.0
20	71	-8.43e-03	2.31e-05	-0.89	6.69e-05	-2.80e-04	0.0
20	73	-5.50e-03	1.59e-05	-0.84	6.33e-05	-2.14e-04	0.0
20	74	-4.77e-03	1.42e-05	-0.82	6.24e-05	-1.98e-04	0.0
21	2	-0.03	-2.88e-03	-1.44	1.53e-04	-1.33e-03	0.0
21	19	-0.31	0.09	-0.89	-9.86e-04	-1.25e-03	0.0
21	30	0.10	-0.47	-1.94	4.31e-03	-1.05e-03	0.0
21	32	-0.07	-0.44	-2.09	4.20e-03	-1.40e-03	0.0
21	51	-0.12	0.03	-0.95	-2.94e-04	-9.76e-04	0.0
21	62	0.03	-0.17	-1.33	1.61e-03	-9.02e-04	0.0
21	64	-0.03	-0.16	-1.38	1.57e-03	-1.03e-03	0.0
21	69	-0.02	-1.84e-03	-0.98	9.57e-05	-8.18e-04	0.0
21	71	-0.02	-2.17e-03	-1.09	1.15e-04	-9.98e-04	0.0
21	73	-0.02	-1.91e-03	-1.00	9.95e-05	-8.54e-04	0.0
21	74	-0.02	-1.84e-03	-0.98	9.57e-05	-8.18e-04	0.0
22	2	8.72e-03	-5.13e-03	-1.20	2.74e-04	3.58e-04	0.0
22	18	0.30	-0.08	-0.93	8.49e-04	3.91e-04	0.0
22	30	0.12	-0.29	-1.39	2.52e-03	2.18e-04	0.0
22	32	-0.05	-0.28	-1.43	2.54e-03	9.56e-05	0.0
22	50	0.11	-0.03	-0.86	4.09e-04	2.77e-04	0.0
22	62	0.05	-0.11	-1.02	1.01e-03	2.15e-04	0.0
22	64	-0.01	-0.10	-1.04	1.02e-03	1.71e-04	0.0
22	69	5.17e-03	-3.04e-03	-0.82	1.62e-04	2.13e-04	0.0
22	71	6.50e-03	-3.83e-03	-0.91	2.04e-04	2.67e-04	0.0
22	73	5.44e-03	-3.20e-03	-0.84	1.70e-04	2.24e-04	0.0
22	74	5.17e-03	-3.04e-03	-0.82	1.62e-04	2.13e-04	0.0
23	1	3.40e-04	-2.32e-03	-1.04	1.19e-04	-6.25e-05	0.0
23	2	3.05e-04	-2.99e-03	-1.16	1.53e-04	-9.13e-05	0.0
23	18	0.29	-0.08	-0.94	7.14e-04	2.24e-04	0.0
23	26	0.06	-0.28	-1.39	2.49e-03	1.24e-04	0.0
23	28	-0.11	-0.27	-1.41	2.52e-03	-3.08e-05	0.0
23	50	0.11	-0.03	-0.85	3.16e-04	5.02e-05	0.0
23	58	0.02	-0.10	-1.01	9.57e-04	1.41e-05	0.0
23	60	-0.04	-0.10	-1.02	9.67e-04	-4.19e-05	0.0
23	69	2.62e-04	-1.79e-03	-0.80	9.12e-05	-4.81e-05	0.0
23	70	2.62e-04	-1.79e-03	-0.80	9.12e-05	-4.81e-05	0.0
23	71	2.38e-04	-2.23e-03	-0.88	1.14e-04	-6.73e-05	0.0
23	72	2.62e-04	-1.79e-03	-0.80	9.12e-05	-4.81e-05	0.0
23	73	2.57e-04	-1.88e-03	-0.81	9.58e-05	-5.19e-05	0.0
23	74	2.62e-04	-1.79e-03	-0.80	9.12e-05	-4.81e-05	0.0
24	1	1.10e-03	-2.42e-03	-1.04	1.29e-04	-3.04e-05	0.0
24	2	1.06e-03	-3.08e-03	-1.15	1.65e-04	-6.42e-05	0.0
24	13	0.29	0.07	-0.66	-6.74e-04	2.77e-04	0.0
24	22	0.06	-0.34	-1.56	2.98e-03	3.29e-04	0.0
24	26	0.06	-0.35	-1.56	3.04e-03	3.25e-04	0.0
24	45	0.11	0.02	-0.75	-1.80e-04	8.51e-05	0.0

24	54	0.02	-0.12	-1.07	1.14e-03	1.04e-04	0.0
24	58	0.02	-0.13	-1.07	1.16e-03	1.02e-04	0.0
24	69	8.48e-04	-1.86e-03	-0.80	9.89e-05	-2.34e-05	0.0
24	70	8.48e-04	-1.86e-03	-0.80	9.89e-05	-2.34e-05	0.0
24	71	8.22e-04	-2.30e-03	-0.87	1.23e-04	-4.59e-05	0.0
24	72	8.48e-04	-1.86e-03	-0.80	9.89e-05	-2.34e-05	0.0
24	73	8.43e-04	-1.95e-03	-0.81	1.04e-04	-2.79e-05	0.0
24	74	8.48e-04	-1.86e-03	-0.80	9.89e-05	-2.34e-05	0.0
25	2	6.74e-03	-2.45e-03	-1.18	1.27e-04	2.30e-04	0.0
25	13	0.30	0.08	-0.85	-9.39e-04	6.94e-04	0.0
25	22	0.06	-0.42	-1.91	3.94e-03	6.66e-04	0.0
25	24	-0.11	-0.45	-1.70	4.05e-03	2.87e-04	0.0
25	45	0.11	0.03	-0.84	-2.87e-04	3.57e-04	0.0
25	54	0.02	-0.15	-1.22	1.47e-03	3.47e-04	0.0
25	56	-0.04	-0.16	-1.15	1.51e-03	2.10e-04	0.0
25	69	4.51e-03	-1.59e-03	-0.83	8.11e-05	1.67e-04	0.0
25	71	5.09e-03	-1.85e-03	-0.90	9.57e-05	1.75e-04	0.0
25	73	4.63e-03	-1.64e-03	-0.85	8.40e-05	1.69e-04	0.0
25	74	4.51e-03	-1.59e-03	-0.83	8.11e-05	1.67e-04	0.0
26	2	6.74e-03	2.45e-03	-1.18	-1.27e-04	2.30e-04	0.0
26	6	0.30	-0.08	-0.85	9.39e-04	6.94e-04	0.0
26	25	0.06	0.42	-1.91	-3.94e-03	6.66e-04	0.0
26	27	-0.11	0.45	-1.70	-4.05e-03	2.87e-04	0.0
26	38	0.11	-0.03	-0.84	2.87e-04	3.57e-04	0.0
26	57	0.02	0.15	-1.22	-1.47e-03	3.47e-04	0.0
26	59	-0.04	0.16	-1.15	-1.51e-03	2.10e-04	0.0
26	69	4.51e-03	1.58e-03	-0.83	-8.11e-05	1.67e-04	0.0
26	71	5.10e-03	1.84e-03	-0.90	-9.56e-05	1.75e-04	0.0
26	73	4.63e-03	1.64e-03	-0.85	-8.40e-05	1.69e-04	0.0
26	74	4.51e-03	1.58e-03	-0.83	-8.11e-05	1.67e-04	0.0
27	1	1.11e-03	2.42e-03	-1.04	-1.28e-04	-3.01e-05	0.0
27	2	1.07e-03	3.08e-03	-1.15	-1.64e-04	-6.38e-05	0.0
27	6	0.29	-0.07	-0.66	6.74e-04	2.77e-04	0.0
27	21	0.06	0.35	-1.56	-3.04e-03	3.25e-04	0.0
27	25	0.06	0.34	-1.56	-2.98e-03	3.29e-04	0.0
27	38	0.11	-0.02	-0.75	1.80e-04	8.52e-05	0.0
27	53	0.02	0.13	-1.07	-1.16e-03	1.02e-04	0.0
27	57	0.02	0.12	-1.07	-1.14e-03	1.04e-04	0.0
27	69	8.52e-04	1.86e-03	-0.80	-9.87e-05	-2.32e-05	0.0
27	70	8.52e-04	1.86e-03	-0.80	-9.87e-05	-2.32e-05	0.0
27	71	8.27e-04	2.30e-03	-0.87	-1.23e-04	-4.57e-05	0.0
27	72	8.52e-04	1.86e-03	-0.80	-9.87e-05	-2.32e-05	0.0
27	73	8.47e-04	1.95e-03	-0.81	-1.04e-04	-2.77e-05	0.0
27	74	8.52e-04	1.86e-03	-0.80	-9.87e-05	-2.32e-05	0.0
28	1	3.41e-04	2.32e-03	-1.04	-1.19e-04	-6.25e-05	0.0
28	2	3.06e-04	2.99e-03	-1.16	-1.53e-04	-9.13e-05	0.0
28	9	0.29	0.08	-0.94	-7.14e-04	2.24e-04	0.0
28	21	0.06	0.28	-1.39	-2.49e-03	1.24e-04	0.0
28	23	-0.11	0.27	-1.41	-2.52e-03	-3.07e-05	0.0
28	41	0.11	0.03	-0.85	-3.16e-04	5.02e-05	0.0
28	53	0.02	0.10	-1.01	-9.57e-04	1.41e-05	0.0
28	55	-0.04	0.10	-1.02	-9.67e-04	-4.18e-05	0.0
28	69	2.62e-04	1.79e-03	-0.80	-9.12e-05	-4.81e-05	0.0
28	70	2.62e-04	1.79e-03	-0.80	-9.12e-05	-4.81e-05	0.0
28	71	2.39e-04	2.23e-03	-0.88	-1.14e-04	-6.73e-05	0.0
28	72	2.62e-04	1.79e-03	-0.80	-9.12e-05	-4.81e-05	0.0
28	73	2.57e-04	1.88e-03	-0.81	-9.58e-05	-5.19e-05	0.0
28	74	2.62e-04	1.79e-03	-0.80	-9.12e-05	-4.81e-05	0.0
29	2	8.72e-03	5.13e-03	-1.20	-2.74e-04	3.58e-04	0.0
29	9	0.30	0.08	-0.93	-8.49e-04	3.91e-04	0.0
29	33	0.12	0.29	-1.39	-2.52e-03	2.19e-04	0.0
29	35	-0.05	0.28	-1.43	-2.54e-03	9.58e-05	0.0
29	41	0.11	0.03	-0.86	-4.10e-04	2.77e-04	0.0
29	65	0.05	0.11	-1.02	-1.01e-03	2.15e-04	0.0
29	67	-0.01	0.10	-1.04	-1.02e-03	1.71e-04	0.0
29	69	5.18e-03	3.04e-03	-0.82	-1.62e-04	2.13e-04	0.0
29	71	6.50e-03	3.83e-03	-0.91	-2.04e-04	2.67e-04	0.0
29	73	5.44e-03	3.19e-03	-0.84	-1.70e-04	2.24e-04	0.0
29	74	5.18e-03	3.04e-03	-0.82	-1.62e-04	2.13e-04	0.0
30	2	-0.03	2.89e-03	-1.44	-1.53e-04	-1.33e-03	0.0
30	12	-0.31	-0.09	-0.89	9.86e-04	-1.25e-03	0.0
30	33	0.10	0.47	-1.94	-4.31e-03	-1.05e-03	0.0
30	35	-0.07	0.44	-2.09	-4.20e-03	-1.40e-03	0.0
30	44	-0.12	-0.03	-0.95	2.94e-04	-9.76e-04	0.0
30	65	0.03	0.17	-1.33	-1.61e-03	-9.02e-04	0.0
30	67	-0.03	0.16	-1.38	-1.57e-03	-1.03e-03	0.0

30	69	-0.02	1.84e-03	-0.98	-9.58e-05	-8.17e-04	0.0
30	71	-0.02	2.17e-03	-1.09	-1.15e-04	-9.98e-04	0.0
30	73	-0.02	1.91e-03	-1.00	-9.95e-05	-8.54e-04	0.0
30	74	-0.02	1.84e-03	-0.98	-9.58e-05	-8.17e-04	0.0
31	2	-0.03	-2.57e-03	-1.26	1.26e-04	-1.33e-03	0.0
31	19	-0.31	0.09	-0.79	-9.29e-04	-1.11e-03	0.0
31	30	0.09	-0.44	-1.58	4.00e-03	-1.25e-03	0.0
31	32	-0.08	-0.42	-1.69	3.90e-03	-1.54e-03	0.0
31	51	-0.12	0.03	-0.84	-2.84e-04	-9.26e-04	0.0
31	62	0.02	-0.16	-1.13	1.49e-03	-9.76e-04	0.0
31	64	-0.04	-0.15	-1.16	1.46e-03	-1.08e-03	0.0
31	69	-0.02	-1.61e-03	-0.87	7.91e-05	-8.22e-04	0.0
31	71	-0.02	-1.93e-03	-0.95	9.45e-05	-9.99e-04	0.0
31	73	-0.02	-1.68e-03	-0.88	8.22e-05	-8.58e-04	0.0
31	74	-0.02	-1.61e-03	-0.87	7.91e-05	-8.22e-04	0.0
32	2	-0.02	-1.20e-03	-1.15	5.63e-05	-1.18e-03	0.0
32	19	-0.30	0.08	-0.70	-8.82e-04	-9.08e-04	0.0
32	32	-0.08	-0.40	-1.57	3.53e-03	-1.46e-03	0.0
32	36	-0.08	-0.42	-1.56	3.61e-03	-1.45e-03	0.0
32	51	-0.12	0.03	-0.77	-2.95e-04	-7.97e-04	0.0
32	64	-0.04	-0.14	-1.08	1.30e-03	-9.96e-04	0.0
32	68	-0.04	-0.15	-1.08	1.33e-03	-9.93e-04	0.0
32	69	-0.01	-7.65e-04	-0.80	3.62e-05	-7.31e-04	0.0
32	71	-0.02	-9.01e-04	-0.88	4.23e-05	-8.83e-04	0.0
32	73	-0.01	-7.92e-04	-0.82	3.75e-05	-7.62e-04	0.0
32	74	-0.01	-7.65e-04	-0.80	3.62e-05	-7.31e-04	0.0
33	1	-0.01	-5.73e-05	-0.98	2.42e-06	-7.59e-04	0.0
33	2	-0.02	-2.44e-05	-1.07	0.0	-9.33e-04	0.0
33	19	-0.30	0.08	-0.64	-8.47e-04	-6.71e-04	0.0
33	32	-0.07	-0.38	-1.46	3.23e-03	-1.26e-03	0.0
33	36	-0.08	-0.40	-1.45	3.30e-03	-1.25e-03	0.0
33	51	-0.11	0.03	-0.71	-3.04e-04	-6.17e-04	0.0
33	64	-0.03	-0.14	-1.01	1.17e-03	-8.29e-04	0.0
33	68	-0.03	-0.14	-1.00	1.19e-03	-8.26e-04	0.0
33	69	-0.01	-4.41e-05	-0.75	1.86e-06	-5.84e-04	0.0
33	70	-0.01	-4.41e-05	-0.75	1.86e-06	-5.84e-04	0.0
33	71	-0.01	-2.22e-05	-0.81	0.0	-7.00e-04	0.0
33	72	-0.01	-4.41e-05	-0.75	1.86e-06	-5.84e-04	0.0
33	73	-0.01	-3.97e-05	-0.76	1.62e-06	-6.07e-04	0.0
33	74	-0.01	-4.41e-05	-0.75	1.86e-06	-5.84e-04	0.0
34	2	-0.01	6.63e-04	-1.00	-3.29e-05	-6.39e-04	0.0
34	19	-0.29	0.08	-0.60	-8.12e-04	-4.23e-04	0.0
34	32	-0.07	-0.36	-1.37	2.98e-03	-1.00e-03	0.0
34	33	0.06	0.38	-0.06	-3.08e-03	1.83e-04	0.0
34	51	-0.11	0.03	-0.67	-3.05e-04	-4.15e-04	0.0
34	64	-0.03	-0.13	-0.95	1.06e-03	-6.22e-04	0.0
34	65	0.02	0.14	-0.47	-1.12e-03	-1.93e-04	0.0
34	69	-7.23e-03	3.84e-04	-0.71	-1.91e-05	-4.06e-04	0.0
34	71	-8.51e-03	4.93e-04	-0.76	-2.45e-05	-4.80e-04	0.0
34	73	-7.49e-03	4.06e-04	-0.72	-2.02e-05	-4.21e-04	0.0
34	74	-7.23e-03	3.84e-04	-0.71	-1.91e-05	-4.06e-04	0.0
35	2	-5.03e-03	9.43e-04	-0.97	-4.65e-05	-3.26e-04	0.0
35	19	-0.29	0.08	-0.57	-7.79e-04	-1.88e-04	0.0
35	32	-0.06	-0.35	-1.30	2.78e-03	-6.41e-04	0.0
35	33	0.06	0.37	-0.08	-2.89e-03	2.79e-04	0.0
35	51	-0.11	0.03	-0.65	-2.99e-04	-2.09e-04	0.0
35	64	-0.03	-0.13	-0.91	9.84e-04	-3.69e-04	0.0
35	65	0.02	0.13	-0.47	-1.06e-03	-3.72e-05	0.0
35	69	-3.43e-03	5.65e-04	-0.69	-2.79e-05	-2.17e-04	0.0
35	71	-3.81e-03	7.04e-04	-0.74	-3.47e-05	-2.47e-04	0.0
35	73	-3.51e-03	5.93e-04	-0.70	-2.93e-05	-2.23e-04	0.0
35	74	-3.43e-03	5.65e-04	-0.69	-2.79e-05	-2.17e-04	0.0
36	2	1.14e-03	8.40e-04	-0.95	-4.11e-05	-1.91e-05	0.0
36	18	0.28	-0.08	-0.78	6.94e-04	-2.25e-04	0.0
36	32	-0.06	-0.34	-1.26	2.62e-03	-3.91e-04	0.0
36	33	0.06	0.35	-0.10	-2.72e-03	3.31e-04	0.0
36	50	0.10	-0.03	-0.71	2.34e-04	-1.03e-04	0.0
36	64	-0.02	-0.12	-0.88	9.29e-04	-1.60e-04	0.0
36	65	0.02	0.13	-0.47	-9.96e-04	9.93e-05	0.0
36	69	3.07e-04	5.13e-04	-0.68	-2.52e-05	-3.04e-05	0.0
36	71	8.02e-04	6.28e-04	-0.73	-3.07e-05	-1.68e-05	0.0
36	73	4.06e-04	5.36e-04	-0.69	-2.63e-05	-2.76e-05	0.0
36	74	3.07e-04	5.13e-04	-0.68	-2.52e-05	-3.04e-05	0.0
37	2	6.76e-03	3.63e-04	-0.96	-1.70e-05	2.61e-04	0.0
37	18	0.29	-0.08	-0.78	6.87e-04	-3.79e-05	0.0
37	31	-0.10	0.34	-0.17	-2.57e-03	4.69e-04	0.0

37	32	-0.06	-0.32	-1.23	2.51e-03	-1.47e-04	0.0
37	50	0.11	-0.03	-0.71	2.41e-04	7.39e-05	0.0
37	63	-0.03	0.12	-0.50	-9.33e-04	2.59e-04	0.0
37	64	-0.02	-0.12	-0.88	8.97e-04	3.69e-05	0.0
37	69	3.72e-03	2.35e-04	-0.68	-1.11e-05	1.40e-04	0.0
37	71	5.00e-03	2.73e-04	-0.73	-1.28e-05	1.92e-04	0.0
37	73	3.98e-03	2.43e-04	-0.69	-1.15e-05	1.50e-04	0.0
37	74	3.72e-03	2.35e-04	-0.68	-1.11e-05	1.40e-04	0.0
38	2	0.01	-4.87e-04	-0.99	2.59e-05	4.90e-04	0.0
38	18	0.29	-0.08	-0.78	6.98e-04	1.15e-04	0.0
38	30	0.11	-0.33	-1.18	2.43e-03	2.33e-05	0.0
38	32	-0.05	-0.31	-1.23	2.47e-03	6.86e-05	0.0
38	50	0.11	-0.03	-0.73	2.61e-04	2.19e-04	0.0
38	62	0.04	-0.12	-0.87	8.87e-04	1.87e-04	0.0
38	64	-0.01	-0.11	-0.89	9.00e-04	2.04e-04	0.0
38	69	6.53e-03	-2.68e-04	-0.70	1.42e-05	2.80e-04	0.0
38	71	8.45e-03	-3.61e-04	-0.76	1.92e-05	3.64e-04	0.0
38	73	6.91e-03	-2.86e-04	-0.71	1.52e-05	2.96e-04	0.0
38	74	6.53e-03	-2.68e-04	-0.70	1.42e-05	2.80e-04	0.0
39	2	0.01	-1.70e-03	-1.04	8.75e-05	6.45e-04	0.0
39	18	0.29	-0.08	-0.80	7.22e-04	2.41e-04	0.0
39	30	0.11	-0.31	-1.19	2.40e-03	1.90e-04	0.0
39	32	-0.05	-0.30	-1.24	2.44e-03	2.30e-04	0.0
39	50	0.11	-0.03	-0.75	2.93e-04	3.26e-04	0.0
39	62	0.05	-0.11	-0.89	8.99e-04	3.08e-04	0.0
39	64	-0.01	-0.11	-0.91	9.13e-04	3.23e-04	0.0
39	69	8.45e-03	-9.91e-04	-0.72	5.08e-05	3.75e-04	0.0
39	71	0.01	-1.27e-03	-0.79	6.51e-05	4.80e-04	0.0
39	73	8.91e-03	-1.05e-03	-0.74	5.36e-05	3.96e-04	0.0
39	74	8.45e-03	-9.91e-04	-0.72	5.08e-05	3.75e-04	0.0
40	2	0.02	-3.21e-03	-1.09	1.65e-04	6.97e-04	0.0
40	18	0.29	-0.08	-0.82	7.55e-04	3.33e-04	0.0
40	30	0.11	-0.30	-1.21	2.41e-03	2.90e-04	0.0
40	32	-0.05	-0.30	-1.26	2.45e-03	3.11e-04	0.0
40	50	0.11	-0.03	-0.78	3.34e-04	3.81e-04	0.0
40	62	0.05	-0.11	-0.92	9.33e-04	3.66e-04	0.0
40	64	-0.01	-0.11	-0.94	9.47e-04	3.74e-04	0.0
40	69	9.11e-03	-1.89e-03	-0.76	9.67e-05	4.09e-04	0.0
40	71	0.01	-2.39e-03	-0.83	1.23e-04	5.19e-04	0.0
40	73	9.60e-03	-1.99e-03	-0.77	1.02e-04	4.31e-04	0.0
40	74	9.11e-03	-1.89e-03	-0.76	9.67e-05	4.09e-04	0.0
41	2	0.01	-4.93e-03	-1.15	2.50e-04	6.06e-04	0.0
41	18	0.29	-0.08	-0.85	8.12e-04	3.87e-04	0.0
41	30	0.11	-0.30	-1.24	2.47e-03	3.07e-04	0.0
41	32	-0.05	-0.29	-1.29	2.50e-03	2.68e-04	0.0
41	50	0.11	-0.03	-0.81	3.87e-04	3.69e-04	0.0
41	62	0.05	-0.11	-0.95	9.85e-04	3.40e-04	0.0
41	64	-0.01	-0.11	-0.97	9.97e-04	3.25e-04	0.0
41	69	8.15e-03	-2.92e-03	-0.79	1.48e-04	3.58e-04	0.0
41	71	0.01	-3.68e-03	-0.87	1.86e-04	4.52e-04	0.0
41	73	8.58e-03	-3.07e-03	-0.81	1.55e-04	3.77e-04	0.0
41	74	8.15e-03	-2.92e-03	-0.79	1.48e-04	3.58e-04	0.0
42	2	2.37e-03	-4.85e-03	-1.20	2.59e-04	1.17e-05	0.0
42	18	0.29	-0.08	-0.90	8.24e-04	5.66e-05	0.0
42	30	0.11	-0.28	-1.27	2.45e-03	-7.85e-05	0.0
42	32	-0.06	-0.27	-1.30	2.44e-03	-1.38e-04	0.0
42	50	0.10	-0.03	-0.85	3.95e-04	2.60e-05	0.0
42	62	0.04	-0.10	-0.98	9.83e-04	-2.28e-05	0.0
42	64	-0.02	-0.10	-0.99	9.79e-04	-4.43e-05	0.0
42	69	1.42e-03	-2.87e-03	-0.82	1.53e-04	8.66e-06	0.0
42	71	1.77e-03	-3.61e-03	-0.91	1.93e-04	8.94e-06	0.0
42	73	1.49e-03	-3.02e-03	-0.84	1.61e-04	8.72e-06	0.0
42	74	1.42e-03	-2.87e-03	-0.82	1.53e-04	8.66e-06	0.0
43	2	-5.31e-04	-4.12e-03	-1.19	2.11e-04	-1.33e-04	0.0
43	19	-0.28	0.07	-0.73	-5.52e-04	-7.89e-05	0.0
43	30	0.10	-0.26	-1.25	2.34e-03	-1.73e-04	0.0
43	32	-0.06	-0.26	-1.29	2.33e-03	-2.04e-04	0.0
43	51	-0.10	0.02	-0.78	-1.19e-04	-7.71e-05	0.0
43	62	0.04	-0.10	-0.97	9.23e-04	-1.11e-04	0.0
43	64	-0.02	-0.10	-0.98	9.21e-04	-1.22e-04	0.0
43	69	-2.78e-04	-2.44e-03	-0.81	1.25e-04	-7.59e-05	0.0
43	71	-3.91e-04	-3.08e-03	-0.90	1.57e-04	-9.87e-05	0.0
43	73	-3.00e-04	-2.57e-03	-0.83	1.31e-04	-8.05e-05	0.0
43	74	-2.78e-04	-2.44e-03	-0.81	1.25e-04	-7.59e-05	0.0
44	2	-1.09e-03	-3.27e-03	-1.18	1.65e-04	-1.58e-04	0.0
44	19	-0.28	0.07	-0.72	-5.41e-04	-3.54e-05	0.0

44	28	-0.10	-0.24	-1.27	2.27e-03	-4.05e-05	0.0
44	30	0.10	-0.25	-1.24	2.26e-03	-1.85e-04	0.0
44	51	-0.10	0.02	-0.78	-1.33e-04	-7.00e-05	0.0
44	60	-0.04	-0.09	-0.97	8.82e-04	-7.20e-05	0.0
44	62	0.04	-0.09	-0.96	8.77e-04	-1.24e-04	0.0
44	69	-5.92e-04	-1.94e-03	-0.81	9.79e-05	-8.99e-05	0.0
44	71	-8.06e-04	-2.44e-03	-0.89	1.23e-04	-1.17e-04	0.0
44	73	-6.35e-04	-2.04e-03	-0.82	1.03e-04	-9.54e-05	0.0
44	74	-5.92e-04	-1.94e-03	-0.81	9.79e-05	-8.99e-05	0.0
45	2	-3.77e-04	-2.77e-03	-1.17	1.39e-04	-1.21e-04	0.0
45	19	-0.28	0.07	-0.72	-5.30e-04	-2.30e-05	0.0
45	28	-0.10	-0.25	-1.27	2.28e-03	2.48e-05	0.0
45	51	-0.10	0.02	-0.77	-1.38e-04	-5.08e-05	0.0
45	60	-0.04	-0.09	-0.97	8.77e-04	-3.38e-05	0.0
45	69	-1.54e-04	-1.65e-03	-0.80	8.27e-05	-6.70e-05	0.0
45	71	-2.72e-04	-2.06e-03	-0.89	1.04e-04	-8.97e-05	0.0
45	73	-1.77e-04	-1.73e-03	-0.82	8.69e-05	-7.15e-05	0.0
45	74	-1.54e-04	-1.65e-03	-0.80	8.27e-05	-6.70e-05	0.0
46	2	7.46e-04	-2.73e-03	-1.16	1.37e-04	-6.39e-05	0.0
46	18	0.28	-0.08	-0.88	6.77e-04	2.32e-05	0.0
46	26	0.07	-0.26	-1.25	2.31e-03	9.92e-05	0.0
46	28	-0.10	-0.25	-1.27	2.34e-03	7.19e-05	0.0
46	50	0.10	-0.03	-0.83	2.96e-04	-1.20e-05	0.0
46	58	0.02	-0.09	-0.96	8.87e-04	1.52e-05	0.0
46	60	-0.04	-0.09	-0.97	8.98e-04	5.26e-06	0.0
46	69	5.23e-04	-1.63e-03	-0.80	8.18e-05	-3.22e-05	0.0
46	71	5.67e-04	-2.04e-03	-0.88	1.02e-04	-4.69e-05	0.0
46	73	5.32e-04	-1.71e-03	-0.81	8.59e-05	-3.51e-05	0.0
46	74	5.23e-04	-1.63e-03	-0.80	8.18e-05	-3.22e-05	0.0
47	2	1.34e-03	-2.99e-03	-1.16	1.52e-04	-3.34e-05	0.0
47	18	0.29	-0.08	-0.89	6.96e-04	1.07e-04	0.0
47	26	0.07	-0.27	-1.26	2.41e-03	1.51e-04	0.0
47	28	-0.10	-0.26	-1.28	2.44e-03	8.70e-05	0.0
47	50	0.10	-0.03	-0.83	3.09e-04	3.01e-05	0.0
47	58	0.02	-0.10	-0.96	9.29e-04	4.57e-05	0.0
47	60	-0.04	-0.10	-0.97	9.40e-04	2.26e-05	0.0
47	69	8.83e-04	-1.79e-03	-0.79	9.06e-05	-1.37e-05	0.0
47	71	1.01e-03	-2.23e-03	-0.88	1.13e-04	-2.41e-05	0.0
47	73	9.09e-04	-1.87e-03	-0.81	9.52e-05	-1.58e-05	0.0
47	74	8.83e-04	-1.79e-03	-0.79	9.06e-05	-1.37e-05	0.0
48	2	-5.89e-04	-2.94e-03	-1.14	1.48e-04	-1.33e-04	0.0
48	19	-0.29	0.08	-0.67	-6.12e-04	-2.25e-04	0.0
48	26	0.06	-0.29	-1.27	2.50e-03	8.72e-05	0.0
48	28	-0.10	-0.28	-1.28	2.48e-03	2.89e-06	0.0
48	51	-0.10	0.03	-0.74	-1.64e-04	-1.28e-04	0.0
48	58	0.02	-0.10	-0.96	9.58e-04	-1.49e-05	0.0
48	60	-0.04	-0.10	-0.97	9.49e-04	-4.54e-05	0.0
48	69	-2.69e-04	-1.76e-03	-0.79	8.84e-05	-7.26e-05	0.0
48	71	-4.28e-04	-2.20e-03	-0.87	1.10e-04	-9.83e-05	0.0
48	73	-3.01e-04	-1.85e-03	-0.80	9.28e-05	-7.77e-05	0.0
48	74	-2.69e-04	-1.76e-03	-0.79	8.84e-05	-7.26e-05	0.0
49	1	4.37e-04	-1.93e-03	-1.02	9.66e-05	-5.45e-05	0.0
49	2	3.96e-04	-2.48e-03	-1.13	1.24e-04	-8.33e-05	0.0
49	13	0.29	0.07	-0.65	-6.09e-04	1.98e-05	0.0
49	22	0.06	-0.29	-1.29	2.52e-03	1.59e-04	0.0
49	24	-0.10	-0.30	-1.28	2.49e-03	8.16e-05	0.0
49	45	0.10	0.02	-0.73	-1.72e-04	-1.92e-05	0.0
49	54	0.02	-0.10	-0.97	9.58e-04	3.08e-05	0.0
49	56	-0.04	-0.11	-0.96	9.46e-04	2.50e-06	0.0
49	69	3.36e-04	-1.48e-03	-0.78	7.43e-05	-4.19e-05	0.0
49	70	3.36e-04	-1.48e-03	-0.78	7.43e-05	-4.19e-05	0.0
49	71	3.09e-04	-1.85e-03	-0.86	9.28e-05	-6.11e-05	0.0
49	72	3.36e-04	-1.48e-03	-0.78	7.43e-05	-4.19e-05	0.0
49	73	3.30e-04	-1.56e-03	-0.80	7.80e-05	-4.58e-05	0.0
49	74	3.36e-04	-1.48e-03	-0.78	7.43e-05	-4.19e-05	0.0
50	2	2.11e-03	-2.38e-03	-1.13	1.20e-04	3.20e-06	0.0
50	18	0.29	-0.08	-0.94	7.98e-04	1.51e-04	0.0
50	22	0.06	-0.30	-1.31	2.56e-03	2.66e-04	0.0
50	26	0.07	-0.31	-1.31	2.59e-03	2.60e-04	0.0
50	50	0.10	-0.03	-0.84	3.33e-04	6.21e-05	0.0
50	54	0.02	-0.11	-0.97	9.68e-04	1.03e-04	0.0
50	58	0.02	-0.11	-0.97	9.81e-04	1.01e-04	0.0
50	69	1.38e-03	-1.43e-03	-0.78	7.15e-05	1.13e-05	0.0
50	71	1.59e-03	-1.78e-03	-0.86	8.92e-05	3.64e-06	0.0
50	73	1.42e-03	-1.50e-03	-0.80	7.50e-05	9.74e-06	0.0
50	74	1.38e-03	-1.43e-03	-0.78	7.15e-05	1.13e-05	0.0

51	2	3.57e-03	-2.74e-03	-1.13	1.38e-04	7.73e-05	0.0
51	18	0.29	-0.08	-0.95	6.84e-04	2.55e-04	0.0
51	22	0.07	-0.31	-1.34	2.67e-03	3.68e-04	0.0
51	26	0.07	-0.32	-1.33	2.67e-03	3.61e-04	0.0
51	50	0.11	-0.03	-0.85	2.99e-04	1.29e-04	0.0
51	54	0.03	-0.11	-0.98	1.02e-03	1.69e-04	0.0
51	58	0.03	-0.12	-0.98	1.02e-03	1.67e-04	0.0
51	69	2.29e-03	-1.64e-03	-0.78	8.27e-05	5.74e-05	0.0
51	71	2.68e-03	-2.04e-03	-0.86	1.03e-04	5.92e-05	0.0
51	73	2.37e-03	-1.72e-03	-0.80	8.67e-05	5.78e-05	0.0
51	74	2.29e-03	-1.64e-03	-0.78	8.27e-05	5.74e-05	0.0
52	2	3.74e-03	-3.30e-03	-1.14	1.70e-04	8.65e-05	0.0
52	18	0.29	-0.08	-0.98	9.00e-04	3.53e-04	0.0
52	22	0.07	-0.32	-1.37	2.85e-03	4.15e-04	0.0
52	24	-0.10	-0.34	-1.33	2.90e-03	2.60e-04	0.0
52	50	0.11	-0.03	-0.86	3.90e-04	1.69e-04	0.0
52	54	0.03	-0.12	-1.00	1.09e-03	1.91e-04	0.0
52	56	-0.03	-0.12	-0.99	1.11e-03	1.35e-04	0.0
52	69	2.43e-03	-1.98e-03	-0.79	1.02e-04	6.48e-05	0.0
52	71	2.81e-03	-2.47e-03	-0.87	1.27e-04	6.63e-05	0.0
52	73	2.50e-03	-2.08e-03	-0.80	1.07e-04	6.51e-05	0.0
52	74	2.43e-03	-1.98e-03	-0.79	1.02e-04	6.48e-05	0.0
53	2	-2.47e-04	-3.33e-03	-1.14	1.67e-04	-1.22e-04	0.0
53	4	-2.90e-04	-2.73e-03	-0.90	1.37e-04	-1.06e-04	0.0
53	13	0.29	0.07	-0.71	-6.86e-04	1.71e-04	0.0
53	22	0.06	-0.34	-1.43	2.98e-03	3.16e-04	0.0
53	24	-0.10	-0.36	-1.36	3.04e-03	1.21e-04	0.0
53	45	0.10	0.03	-0.76	-1.83e-04	2.73e-05	0.0
53	54	0.02	-0.12	-1.02	1.14e-03	7.92e-05	0.0
53	56	-0.04	-0.13	-0.99	1.16e-03	8.71e-06	0.0
53	69	1.43e-04	-2.00e-03	-0.79	1.00e-04	-5.43e-05	0.0
53	71	-1.46e-04	-2.49e-03	-0.86	1.25e-04	-8.85e-05	0.0
53	72	1.43e-04	-2.00e-03	-0.79	1.00e-04	-5.43e-05	0.0
53	73	8.51e-05	-2.10e-03	-0.80	1.05e-04	-6.11e-05	0.0
53	74	1.43e-04	-2.00e-03	-0.79	1.00e-04	-5.43e-05	0.0
54	1	7.91e-04	-1.94e-03	-1.02	9.74e-05	-3.98e-05	0.0
54	2	3.76e-04	-2.48e-03	-1.13	1.25e-04	-9.04e-05	0.0
54	13	0.29	0.07	-0.73	-7.37e-04	1.86e-04	0.0
54	22	0.06	-0.35	-1.46	3.07e-03	4.15e-04	0.0
54	24	-0.10	-0.37	-1.37	3.14e-03	2.10e-04	0.0
54	45	0.11	0.03	-0.76	-2.18e-04	4.77e-05	0.0
54	54	0.02	-0.13	-1.03	1.15e-03	1.30e-04	0.0
54	56	-0.04	-0.14	-1.00	1.18e-03	5.61e-05	0.0
54	69	6.08e-04	-1.49e-03	-0.79	7.49e-05	-3.06e-05	0.0
54	70	6.08e-04	-1.49e-03	-0.79	7.49e-05	-3.06e-05	0.0
54	71	3.32e-04	-1.85e-03	-0.86	9.30e-05	-6.43e-05	0.0
54	72	6.08e-04	-1.49e-03	-0.79	7.49e-05	-3.06e-05	0.0
54	73	5.53e-04	-1.56e-03	-0.80	7.85e-05	-3.73e-05	0.0
54	74	6.08e-04	-1.49e-03	-0.79	7.49e-05	-3.06e-05	0.0
55	1	2.45e-03	-1.58e-03	-1.02	7.90e-05	4.41e-05	0.0
55	2	2.37e-03	-1.99e-03	-1.12	9.96e-05	9.93e-06	0.0
55	18	0.29	-0.09	-1.11	9.57e-04	4.72e-04	0.0
55	22	0.07	-0.37	-1.50	3.21e-03	5.60e-04	0.0
55	24	-0.10	-0.39	-1.39	3.28e-03	3.29e-04	0.0
55	50	0.11	-0.03	-0.90	3.84e-04	1.92e-04	0.0
55	54	0.03	-0.13	-1.04	1.20e-03	2.24e-04	0.0
55	56	-0.04	-0.14	-1.00	1.22e-03	1.40e-04	0.0
55	69	1.89e-03	-1.21e-03	-0.79	6.07e-05	3.39e-05	0.0
55	70	1.89e-03	-1.21e-03	-0.79	6.07e-05	3.39e-05	0.0
55	71	1.83e-03	-1.49e-03	-0.85	7.45e-05	1.11e-05	0.0
55	72	1.89e-03	-1.21e-03	-0.79	6.07e-05	3.39e-05	0.0
55	73	1.88e-03	-1.27e-03	-0.80	6.35e-05	2.94e-05	0.0
55	74	1.89e-03	-1.21e-03	-0.79	6.07e-05	3.39e-05	0.0
56	2	4.77e-03	-1.98e-03	-1.13	9.88e-05	1.30e-04	0.0
56	18	0.30	-0.10	-1.15	1.01e-03	6.34e-04	0.0
56	22	0.07	-0.38	-1.55	3.42e-03	7.00e-04	0.0
56	24	-0.10	-0.40	-1.42	3.50e-03	4.23e-04	0.0
56	50	0.11	-0.04	-0.92	4.04e-04	2.99e-04	0.0
56	54	0.03	-0.14	-1.07	1.27e-03	3.22e-04	0.0
56	56	-0.03	-0.15	-1.02	1.30e-03	2.22e-04	0.0
56	69	3.39e-03	-1.24e-03	-0.79	6.16e-05	1.09e-04	0.0
56	71	3.63e-03	-1.49e-03	-0.86	7.41e-05	1.01e-04	0.0
56	73	3.44e-03	-1.29e-03	-0.81	6.41e-05	1.08e-04	0.0
56	74	3.39e-03	-1.24e-03	-0.79	6.16e-05	1.09e-04	0.0
57	2	6.59e-03	-2.40e-03	-1.14	1.19e-04	2.23e-04	0.0
57	18	0.30	-0.10	-1.21	1.09e-03	7.78e-04	0.0

57	22	0.07	-0.40	-1.62	3.69e-03	7.68e-04	0.0
57	24	-0.10	-0.42	-1.46	3.79e-03	4.42e-04	0.0
57	50	0.11	-0.04	-0.95	4.42e-04	3.87e-04	0.0
57	54	0.03	-0.14	-1.10	1.38e-03	3.83e-04	0.0
57	56	-0.03	-0.15	-1.04	1.42e-03	2.65e-04	0.0
57	69	4.50e-03	-1.52e-03	-0.80	7.53e-05	1.66e-04	0.0
57	71	5.00e-03	-1.80e-03	-0.87	8.93e-05	1.71e-04	0.0
57	73	4.60e-03	-1.57e-03	-0.82	7.81e-05	1.67e-04	0.0
57	74	4.50e-03	-1.52e-03	-0.80	7.53e-05	1.66e-04	0.0
58	2	6.58e-03	-2.59e-03	-1.15	1.31e-04	2.20e-04	0.0
58	18	0.30	-0.10	-1.20	1.09e-03	7.87e-04	0.0
58	22	0.08	-0.41	-1.35	3.78e-03	5.64e-04	0.0
58	24	-0.09	-0.43	-1.17	3.67e-03	2.13e-04	0.0
58	50	0.11	-0.04	-0.95	4.47e-04	3.87e-04	0.0
58	54	0.03	-0.15	-1.01	1.42e-03	3.07e-04	0.0
58	56	-0.03	-0.16	-0.94	1.38e-03	1.80e-04	0.0
58	69	4.45e-03	-1.64e-03	-0.81	8.31e-05	1.62e-04	0.0
58	71	4.98e-03	-1.95e-03	-0.88	9.87e-05	1.68e-04	0.0
58	73	4.55e-03	-1.70e-03	-0.82	8.62e-05	1.63e-04	0.0
58	74	4.45e-03	-1.64e-03	-0.81	8.31e-05	1.62e-04	0.0
59	2	6.13e-03	-1.04e-03	-1.14	5.22e-05	1.98e-04	0.0
59	6	0.29	-0.08	-1.14	9.46e-04	7.18e-04	0.0
59	18	0.29	-0.10	-1.13	1.02e-03	7.11e-04	0.0
59	24	-0.09	-0.43	-0.87	3.62e-03	4.69e-05	0.0
59	38	0.11	-0.03	-0.93	3.62e-04	3.54e-04	0.0
59	50	0.11	-0.04	-0.92	3.90e-04	3.52e-04	0.0
59	56	-0.03	-0.16	-0.83	1.33e-03	1.12e-04	0.0
59	69	4.18e-03	-6.55e-04	-0.81	3.29e-05	1.49e-04	0.0
59	71	4.64e-03	-7.79e-04	-0.87	3.92e-05	1.52e-04	0.0
59	73	4.27e-03	-6.80e-04	-0.82	3.42e-05	1.49e-04	0.0
59	74	4.18e-03	-6.55e-04	-0.81	3.29e-05	1.49e-04	0.0
60	2	6.13e-03	1.04e-03	-1.14	-5.22e-05	1.98e-04	0.0
60	9	0.29	0.10	-1.13	-1.02e-03	7.11e-04	0.0
60	13	0.29	0.08	-1.14	-9.46e-04	7.18e-04	0.0
60	27	-0.09	0.43	-0.87	-3.62e-03	4.69e-05	0.0
60	41	0.11	0.04	-0.92	-3.90e-04	3.52e-04	0.0
60	45	0.11	0.03	-0.93	-3.62e-04	3.54e-04	0.0
60	59	-0.03	0.16	-0.83	-1.33e-03	1.12e-04	0.0
60	69	4.18e-03	6.55e-04	-0.81	-3.29e-05	1.49e-04	0.0
60	71	4.64e-03	7.78e-04	-0.87	-3.92e-05	1.52e-04	0.0
60	73	4.27e-03	6.79e-04	-0.82	-3.42e-05	1.49e-04	0.0
60	74	4.18e-03	6.55e-04	-0.81	-3.29e-05	1.49e-04	0.0
61	2	6.59e-03	2.59e-03	-1.15	-1.31e-04	2.20e-04	0.0
61	9	0.30	0.10	-1.20	-1.09e-03	7.87e-04	0.0
61	25	0.08	0.41	-1.35	-3.78e-03	5.64e-04	0.0
61	27	-0.09	0.43	-1.17	-3.67e-03	2.13e-04	0.0
61	41	0.11	0.04	-0.95	-4.47e-04	3.87e-04	0.0
61	57	0.03	0.15	-1.01	-1.42e-03	3.07e-04	0.0
61	59	-0.03	0.16	-0.94	-1.38e-03	1.80e-04	0.0
61	69	4.45e-03	1.64e-03	-0.81	-8.30e-05	1.62e-04	0.0
61	71	4.98e-03	1.94e-03	-0.88	-9.87e-05	1.68e-04	0.0
61	73	4.55e-03	1.70e-03	-0.82	-8.61e-05	1.63e-04	0.0
61	74	4.45e-03	1.64e-03	-0.81	-8.30e-05	1.62e-04	0.0
62	2	6.59e-03	2.39e-03	-1.14	-1.19e-04	2.23e-04	0.0
62	9	0.30	0.10	-1.21	-1.09e-03	7.78e-04	0.0
62	25	0.07	0.40	-1.62	-3.69e-03	7.68e-04	0.0
62	27	-0.10	0.42	-1.46	-3.79e-03	4.42e-04	0.0
62	41	0.11	0.04	-0.95	-4.42e-04	3.87e-04	0.0
62	57	0.03	0.14	-1.10	-1.38e-03	3.83e-04	0.0
62	59	-0.03	0.15	-1.04	-1.42e-03	2.65e-04	0.0
62	69	4.50e-03	1.51e-03	-0.80	-7.53e-05	1.66e-04	0.0
62	71	5.00e-03	1.80e-03	-0.87	-8.93e-05	1.71e-04	0.0
62	73	4.60e-03	1.57e-03	-0.82	-7.81e-05	1.67e-04	0.0
62	74	4.50e-03	1.51e-03	-0.80	-7.53e-05	1.66e-04	0.0
63	2	4.77e-03	1.98e-03	-1.13	-9.88e-05	1.30e-04	0.0
63	9	0.30	0.10	-1.15	-1.01e-03	6.34e-04	0.0
63	25	0.07	0.38	-1.55	-3.42e-03	7.00e-04	0.0
63	27	-0.10	0.40	-1.42	-3.50e-03	4.23e-04	0.0
63	41	0.11	0.04	-0.92	-4.04e-04	2.99e-04	0.0
63	57	0.03	0.14	-1.07	-1.27e-03	3.22e-04	0.0
63	59	-0.03	0.15	-1.02	-1.30e-03	2.22e-04	0.0
63	69	3.39e-03	1.23e-03	-0.79	-6.16e-05	1.09e-04	0.0
63	71	3.63e-03	1.49e-03	-0.86	-7.41e-05	1.01e-04	0.0
63	73	3.44e-03	1.29e-03	-0.81	-6.41e-05	1.08e-04	0.0
63	74	3.39e-03	1.23e-03	-0.79	-6.16e-05	1.09e-04	0.0
64	1	2.45e-03	1.58e-03	-1.02	-7.89e-05	4.41e-05	0.0

64	2	2.37e-03	1.98e-03	-1.12	-9.96e-05	9.93e-06	0.0
64	9	0.29	0.09	-1.11	-9.57e-04	4.72e-04	0.0
64	25	0.07	0.37	-1.50	-3.21e-03	5.60e-04	0.0
64	27	-0.10	0.39	-1.39	-3.28e-03	3.29e-04	0.0
64	41	0.11	0.03	-0.90	-3.84e-04	1.92e-04	0.0
64	57	0.03	0.13	-1.04	-1.20e-03	2.24e-04	0.0
64	59	-0.04	0.14	-1.00	-1.22e-03	1.40e-04	0.0
64	69	1.89e-03	1.21e-03	-0.79	-6.07e-05	3.39e-05	0.0
64	70	1.89e-03	1.21e-03	-0.79	-6.07e-05	3.39e-05	0.0
64	71	1.83e-03	1.48e-03	-0.85	-7.45e-05	1.11e-05	0.0
64	72	1.89e-03	1.21e-03	-0.79	-6.07e-05	3.39e-05	0.0
64	73	1.88e-03	1.27e-03	-0.80	-6.35e-05	2.94e-05	0.0
64	74	1.89e-03	1.21e-03	-0.79	-6.07e-05	3.39e-05	0.0
65	1	7.91e-04	1.94e-03	-1.02	-9.73e-05	-3.98e-05	0.0
65	2	3.77e-04	2.48e-03	-1.13	-1.24e-04	-9.04e-05	0.0
65	6	0.29	-0.07	-0.73	7.37e-04	1.86e-04	0.0
65	25	0.06	0.35	-1.46	-3.07e-03	4.15e-04	0.0
65	27	-0.10	0.37	-1.37	-3.14e-03	2.10e-04	0.0
65	38	0.11	-0.03	-0.76	2.18e-04	4.77e-05	0.0
65	57	0.02	0.13	-1.03	-1.15e-03	1.30e-04	0.0
65	59	-0.04	0.14	-1.00	-1.18e-03	5.61e-05	0.0
65	69	6.09e-04	1.49e-03	-0.79	-7.49e-05	-3.06e-05	0.0
65	70	6.09e-04	1.49e-03	-0.79	-7.49e-05	-3.06e-05	0.0
65	71	3.32e-04	1.85e-03	-0.86	-9.30e-05	-6.43e-05	0.0
65	72	6.09e-04	1.49e-03	-0.79	-7.49e-05	-3.06e-05	0.0
65	73	5.53e-04	1.56e-03	-0.80	-7.85e-05	-3.73e-05	0.0
65	74	6.09e-04	1.49e-03	-0.79	-7.49e-05	-3.06e-05	0.0
66	2	-2.45e-04	3.33e-03	-1.14	-1.67e-04	-1.22e-04	0.0
66	4	-2.89e-04	2.73e-03	-0.90	-1.37e-04	-1.06e-04	0.0
66	6	0.29	-0.07	-0.71	6.86e-04	1.72e-04	0.0
66	25	0.06	0.34	-1.43	-2.98e-03	3.16e-04	0.0
66	27	-0.10	0.36	-1.36	-3.04e-03	1.21e-04	0.0
66	38	0.10	-0.03	-0.76	1.83e-04	2.73e-05	0.0
66	57	0.02	0.12	-1.02	-1.14e-03	7.92e-05	0.0
66	59	-0.04	0.13	-0.99	-1.16e-03	8.75e-06	0.0
66	69	1.44e-04	2.00e-03	-0.79	-1.00e-04	-5.43e-05	0.0
66	71	-1.44e-04	2.49e-03	-0.86	-1.25e-04	-8.85e-05	0.0
66	72	1.44e-04	2.00e-03	-0.79	-1.00e-04	-5.43e-05	0.0
66	73	8.63e-05	2.10e-03	-0.80	-1.05e-04	-6.11e-05	0.0
66	74	1.44e-04	2.00e-03	-0.79	-1.00e-04	-5.43e-05	0.0
67	2	3.73e-03	3.31e-03	-1.14	-1.71e-04	8.63e-05	0.0
67	9	0.29	0.08	-0.98	-9.00e-04	3.53e-04	0.0
67	25	0.07	0.32	-1.37	-2.85e-03	4.15e-04	0.0
67	27	-0.10	0.34	-1.33	-2.90e-03	2.60e-04	0.0
67	41	0.11	0.03	-0.86	-3.90e-04	1.69e-04	0.0
67	57	0.03	0.12	-1.00	-1.09e-03	1.91e-04	0.0
67	59	-0.03	0.12	-0.99	-1.11e-03	1.35e-04	0.0
67	69	2.43e-03	1.98e-03	-0.79	-1.02e-04	6.47e-05	0.0
67	71	2.81e-03	2.47e-03	-0.87	-1.27e-04	6.62e-05	0.0
67	73	2.50e-03	2.08e-03	-0.80	-1.07e-04	6.50e-05	0.0
67	74	2.43e-03	1.98e-03	-0.79	-1.02e-04	6.47e-05	0.0
68	2	3.57e-03	2.74e-03	-1.13	-1.38e-04	7.73e-05	0.0
68	9	0.29	0.08	-0.95	-6.84e-04	2.55e-04	0.0
68	21	0.07	0.32	-1.33	-2.67e-03	3.61e-04	0.0
68	25	0.07	0.31	-1.34	-2.68e-03	3.68e-04	0.0
68	41	0.11	0.03	-0.85	-2.99e-04	1.29e-04	0.0
68	53	0.03	0.12	-0.98	-1.02e-03	1.67e-04	0.0
68	57	0.03	0.11	-0.98	-1.02e-03	1.69e-04	0.0
68	69	2.29e-03	1.64e-03	-0.78	-8.27e-05	5.74e-05	0.0
68	71	2.68e-03	2.04e-03	-0.86	-1.03e-04	5.92e-05	0.0
68	73	2.37e-03	1.72e-03	-0.80	-8.68e-05	5.78e-05	0.0
68	74	2.29e-03	1.64e-03	-0.78	-8.27e-05	5.74e-05	0.0
69	2	2.11e-03	2.38e-03	-1.13	-1.20e-04	3.19e-06	0.0
69	9	0.29	0.08	-0.94	-7.98e-04	1.51e-04	0.0
69	21	0.07	0.31	-1.31	-2.59e-03	2.60e-04	0.0
69	25	0.06	0.30	-1.31	-2.56e-03	2.66e-04	0.0
69	41	0.10	0.03	-0.84	-3.33e-04	6.21e-05	0.0
69	53	0.02	0.11	-0.97	-9.81e-04	1.01e-04	0.0
69	57	0.02	0.11	-0.97	-9.68e-04	1.03e-04	0.0
69	69	1.38e-03	1.43e-03	-0.78	-7.15e-05	1.13e-05	0.0
69	71	1.59e-03	1.78e-03	-0.86	-8.93e-05	3.63e-06	0.0
69	73	1.42e-03	1.50e-03	-0.80	-7.50e-05	9.73e-06	0.0
69	74	1.38e-03	1.43e-03	-0.78	-7.15e-05	1.13e-05	0.0
70	1	4.36e-04	1.93e-03	-1.02	-9.66e-05	-5.45e-05	0.0
70	2	3.96e-04	2.48e-03	-1.13	-1.24e-04	-8.33e-05	0.0
70	6	0.29	-0.07	-0.65	6.09e-04	1.98e-05	0.0

70	25	0.06	0.29	-1.29	-2.52e-03	1.59e-04	0.0
70	27	-0.10	0.30	-1.28	-2.49e-03	8.16e-05	0.0
70	38	0.10	-0.02	-0.73	1.72e-04	-1.92e-05	0.0
70	57	0.02	0.10	-0.97	-9.58e-04	3.08e-05	0.0
70	59	-0.04	0.11	-0.96	-9.46e-04	2.50e-06	0.0
70	69	3.36e-04	1.48e-03	-0.78	-7.43e-05	-4.19e-05	0.0
70	70	3.36e-04	1.48e-03	-0.78	-7.43e-05	-4.19e-05	0.0
70	71	3.09e-04	1.85e-03	-0.86	-9.28e-05	-6.11e-05	0.0
70	72	3.36e-04	1.48e-03	-0.78	-7.43e-05	-4.19e-05	0.0
70	73	3.30e-04	1.56e-03	-0.80	-7.80e-05	-4.58e-05	0.0
70	74	3.36e-04	1.48e-03	-0.78	-7.43e-05	-4.19e-05	0.0
71	2	-5.89e-04	2.94e-03	-1.14	-1.48e-04	-1.33e-04	0.0
71	12	-0.29	-0.08	-0.67	6.12e-04	-2.25e-04	0.0
71	21	0.06	0.29	-1.27	-2.50e-03	8.72e-05	0.0
71	23	-0.10	0.28	-1.28	-2.48e-03	2.92e-06	0.0
71	44	-0.10	-0.03	-0.74	1.64e-04	-1.28e-04	0.0
71	53	0.02	0.10	-0.96	-9.58e-04	-1.49e-05	0.0
71	55	-0.04	0.10	-0.97	-9.50e-04	-4.54e-05	0.0
71	69	-2.69e-04	1.76e-03	-0.79	-8.84e-05	-7.26e-05	0.0
71	71	-4.28e-04	2.20e-03	-0.87	-1.10e-04	-9.83e-05	0.0
71	73	-3.01e-04	1.85e-03	-0.80	-9.28e-05	-7.77e-05	0.0
71	74	-2.69e-04	1.76e-03	-0.79	-8.84e-05	-7.26e-05	0.0
72	2	1.34e-03	2.99e-03	-1.16	-1.52e-04	-3.35e-05	0.0
72	9	0.29	0.08	-0.89	-6.96e-04	1.07e-04	0.0
72	21	0.07	0.27	-1.26	-2.41e-03	1.51e-04	0.0
72	23	-0.10	0.26	-1.28	-2.44e-03	8.70e-05	0.0
72	41	0.10	0.03	-0.83	-3.09e-04	3.01e-05	0.0
72	53	0.02	0.10	-0.96	-9.29e-04	4.57e-05	0.0
72	55	-0.04	0.10	-0.97	-9.40e-04	2.26e-05	0.0
72	69	8.83e-04	1.79e-03	-0.79	-9.07e-05	-1.37e-05	0.0
72	71	1.01e-03	2.23e-03	-0.88	-1.13e-04	-2.41e-05	0.0
72	73	9.09e-04	1.87e-03	-0.81	-9.52e-05	-1.58e-05	0.0
72	74	8.83e-04	1.79e-03	-0.79	-9.07e-05	-1.37e-05	0.0
73	2	7.46e-04	2.73e-03	-1.16	-1.37e-04	-6.39e-05	0.0
73	9	0.28	0.08	-0.88	-6.77e-04	2.32e-05	0.0
73	21	0.07	0.26	-1.25	-2.32e-03	9.92e-05	0.0
73	23	-0.10	0.25	-1.27	-2.34e-03	7.19e-05	0.0
73	41	0.10	0.03	-0.83	-2.96e-04	-1.20e-05	0.0
73	53	0.02	0.09	-0.96	-8.87e-04	1.52e-05	0.0
73	55	-0.04	0.09	-0.97	-8.98e-04	5.24e-06	0.0
73	69	5.23e-04	1.63e-03	-0.80	-8.18e-05	-3.22e-05	0.0
73	71	5.67e-04	2.04e-03	-0.88	-1.02e-04	-4.69e-05	0.0
73	73	5.32e-04	1.71e-03	-0.81	-8.59e-05	-3.52e-05	0.0
73	74	5.23e-04	1.63e-03	-0.80	-8.18e-05	-3.22e-05	0.0
74	2	-3.76e-04	2.77e-03	-1.17	-1.39e-04	-1.21e-04	0.0
74	12	-0.28	-0.07	-0.72	5.30e-04	-2.29e-05	0.0
74	23	-0.10	0.25	-1.27	-2.28e-03	2.48e-05	0.0
74	44	-0.10	-0.02	-0.77	1.38e-04	-5.08e-05	0.0
74	55	-0.04	0.09	-0.97	-8.77e-04	-3.38e-05	0.0
74	69	-1.53e-04	1.65e-03	-0.80	-8.27e-05	-6.69e-05	0.0
74	71	-2.71e-04	2.06e-03	-0.89	-1.04e-04	-8.97e-05	0.0
74	73	-1.77e-04	1.73e-03	-0.82	-8.70e-05	-7.15e-05	0.0
74	74	-1.53e-04	1.65e-03	-0.80	-8.27e-05	-6.69e-05	0.0
75	2	-1.09e-03	3.27e-03	-1.18	-1.65e-04	-1.58e-04	0.0
75	12	-0.28	-0.07	-0.72	5.41e-04	-3.54e-05	0.0
75	23	-0.10	0.24	-1.27	-2.27e-03	-4.05e-05	0.0
75	33	0.10	0.25	-1.24	-2.26e-03	-1.85e-04	0.0
75	44	-0.10	-0.02	-0.78	1.33e-04	-7.00e-05	0.0
75	55	-0.04	0.09	-0.97	-8.82e-04	-7.20e-05	0.0
75	65	0.04	0.09	-0.96	-8.77e-04	-1.24e-04	0.0
75	69	-5.92e-04	1.94e-03	-0.81	-9.79e-05	-8.99e-05	0.0
75	71	-8.06e-04	2.44e-03	-0.89	-1.23e-04	-1.17e-04	0.0
75	73	-6.35e-04	2.04e-03	-0.82	-1.03e-04	-9.54e-05	0.0
75	74	-5.92e-04	1.94e-03	-0.81	-9.79e-05	-8.99e-05	0.0
76	2	-5.33e-04	4.13e-03	-1.19	-2.11e-04	-1.33e-04	0.0
76	12	-0.28	-0.07	-0.73	5.52e-04	-7.89e-05	0.0
76	33	0.10	0.26	-1.25	-2.34e-03	-1.73e-04	0.0
76	35	-0.06	0.26	-1.29	-2.33e-03	-2.04e-04	0.0
76	44	-0.10	-0.02	-0.78	1.19e-04	-7.71e-05	0.0
76	65	0.04	0.10	-0.97	-9.23e-04	-1.11e-04	0.0
76	67	-0.02	0.10	-0.98	-9.21e-04	-1.22e-04	0.0
76	69	-2.79e-04	2.44e-03	-0.81	-1.25e-04	-7.60e-05	0.0
76	71	-3.92e-04	3.08e-03	-0.90	-1.57e-04	-9.88e-05	0.0
76	73	-3.02e-04	2.57e-03	-0.83	-1.31e-04	-8.05e-05	0.0
76	74	-2.79e-04	2.44e-03	-0.81	-1.25e-04	-7.60e-05	0.0
77	2	2.36e-03	4.85e-03	-1.20	-2.59e-04	1.16e-05	0.0

77	9	0.29	0.08	-0.90	-8.24e-04	5.64e-05	0.0
77	33	0.11	0.28	-1.27	-2.45e-03	-7.86e-05	0.0
77	35	-0.06	0.27	-1.30	-2.44e-03	-1.38e-04	0.0
77	41	0.10	0.03	-0.85	-3.95e-04	2.59e-05	0.0
77	65	0.04	0.10	-0.98	-9.83e-04	-2.28e-05	0.0
77	67	-0.02	0.10	-0.99	-9.79e-04	-4.43e-05	0.0
77	69	1.42e-03	2.87e-03	-0.82	-1.53e-04	8.61e-06	0.0
77	71	1.76e-03	3.61e-03	-0.91	-1.93e-04	8.88e-06	0.0
77	73	1.49e-03	3.02e-03	-0.84	-1.61e-04	8.67e-06	0.0
77	74	1.42e-03	2.87e-03	-0.82	-1.53e-04	8.61e-06	0.0
78	2	0.01	4.93e-03	-1.15	-2.50e-04	6.07e-04	0.0
78	9	0.29	0.08	-0.85	-8.12e-04	3.88e-04	0.0
78	33	0.11	0.30	-1.24	-2.47e-03	3.07e-04	0.0
78	35	-0.05	0.29	-1.29	-2.50e-03	2.68e-04	0.0
78	41	0.11	0.03	-0.81	-3.87e-04	3.69e-04	0.0
78	65	0.05	0.11	-0.95	-9.85e-04	3.40e-04	0.0
78	67	-0.01	0.11	-0.97	-9.97e-04	3.25e-04	0.0
78	69	8.15e-03	2.92e-03	-0.79	-1.48e-04	3.58e-04	0.0
78	71	0.01	3.67e-03	-0.87	-1.86e-04	4.52e-04	0.0
78	73	8.58e-03	3.07e-03	-0.81	-1.55e-04	3.77e-04	0.0
78	74	8.15e-03	2.92e-03	-0.79	-1.48e-04	3.58e-04	0.0
79	2	0.02	3.21e-03	-1.09	-1.65e-04	6.97e-04	0.0
79	9	0.29	0.08	-0.82	-7.55e-04	3.33e-04	0.0
79	33	0.11	0.30	-1.21	-2.41e-03	2.90e-04	0.0
79	35	-0.05	0.30	-1.26	-2.45e-03	3.11e-04	0.0
79	41	0.11	0.03	-0.78	-3.34e-04	3.81e-04	0.0
79	65	0.05	0.11	-0.92	-9.33e-04	3.66e-04	0.0
79	67	-0.01	0.11	-0.94	-9.47e-04	3.74e-04	0.0
79	69	9.11e-03	1.89e-03	-0.76	-9.67e-05	4.09e-04	0.0
79	71	0.01	2.39e-03	-0.83	-1.23e-04	5.19e-04	0.0
79	73	9.60e-03	1.99e-03	-0.77	-1.02e-04	4.31e-04	0.0
79	74	9.11e-03	1.89e-03	-0.76	-9.67e-05	4.09e-04	0.0
80	2	0.01	1.70e-03	-1.04	-8.75e-05	6.45e-04	0.0
80	9	0.29	0.08	-0.80	-7.22e-04	2.41e-04	0.0
80	33	0.11	0.31	-1.19	-2.40e-03	1.90e-04	0.0
80	35	-0.05	0.30	-1.24	-2.44e-03	2.30e-04	0.0
80	41	0.11	0.03	-0.75	-2.93e-04	3.26e-04	0.0
80	65	0.05	0.11	-0.89	-8.99e-04	3.08e-04	0.0
80	67	-0.01	0.11	-0.91	-9.13e-04	3.23e-04	0.0
80	69	8.45e-03	9.90e-04	-0.72	-5.08e-05	3.75e-04	0.0
80	71	0.01	1.27e-03	-0.79	-6.51e-05	4.80e-04	0.0
80	73	8.91e-03	1.05e-03	-0.74	-5.36e-05	3.96e-04	0.0
80	74	8.45e-03	9.90e-04	-0.72	-5.08e-05	3.75e-04	0.0
81	2	0.01	4.86e-04	-0.99	-2.60e-05	4.90e-04	0.0
81	9	0.29	0.08	-0.78	-6.98e-04	1.15e-04	0.0
81	33	0.11	0.33	-1.18	-2.43e-03	2.33e-05	0.0
81	35	-0.05	0.31	-1.23	-2.47e-03	6.85e-05	0.0
81	41	0.11	0.03	-0.73	-2.61e-04	2.19e-04	0.0
81	65	0.04	0.12	-0.87	-8.87e-04	1.87e-04	0.0
81	67	-0.01	0.11	-0.89	-9.00e-04	2.04e-04	0.0
81	69	6.53e-03	2.67e-04	-0.70	-1.42e-05	2.80e-04	0.0
81	71	8.45e-03	3.60e-04	-0.76	-1.92e-05	3.64e-04	0.0
81	73	6.91e-03	2.86e-04	-0.71	-1.52e-05	2.96e-04	0.0
81	74	6.53e-03	2.67e-04	-0.70	-1.42e-05	2.80e-04	0.0
82	2	6.76e-03	-3.64e-04	-0.96	1.69e-05	2.61e-04	0.0
82	9	0.29	0.08	-0.78	-6.87e-04	-3.79e-05	0.0
82	35	-0.06	0.32	-1.23	-2.51e-03	-1.47e-04	0.0
82	36	-0.10	-0.34	-0.17	2.57e-03	4.69e-04	0.0
82	41	0.11	0.03	-0.71	-2.41e-04	7.39e-05	0.0
82	67	-0.02	0.12	-0.88	-8.97e-04	3.69e-05	0.0
82	68	-0.03	-0.12	-0.50	9.33e-04	2.59e-04	0.0
82	69	3.72e-03	-2.36e-04	-0.68	1.11e-05	1.40e-04	0.0
82	71	5.00e-03	-2.74e-04	-0.73	1.28e-05	1.92e-04	0.0
82	73	3.97e-03	-2.43e-04	-0.69	1.15e-05	1.50e-04	0.0
82	74	3.72e-03	-2.36e-04	-0.68	1.11e-05	1.40e-04	0.0
83	2	1.14e-03	-8.40e-04	-0.95	4.10e-05	-1.91e-05	0.0
83	9	0.28	0.08	-0.78	-6.94e-04	-2.25e-04	0.0
83	30	0.06	-0.35	-0.10	2.72e-03	3.32e-04	0.0
83	35	-0.06	0.34	-1.26	-2.62e-03	-3.91e-04	0.0
83	41	0.10	0.03	-0.71	-2.34e-04	-1.03e-04	0.0
83	62	0.02	-0.13	-0.47	9.96e-04	9.93e-05	0.0
83	67	-0.02	0.12	-0.88	-9.29e-04	-1.60e-04	0.0
83	69	3.07e-04	-5.13e-04	-0.68	2.51e-05	-3.04e-05	0.0
83	71	8.02e-04	-6.29e-04	-0.73	3.07e-05	-1.68e-05	0.0
83	73	4.06e-04	-5.36e-04	-0.69	2.63e-05	-2.76e-05	0.0
83	74	3.07e-04	-5.13e-04	-0.68	2.51e-05	-3.04e-05	0.0

84	2	-5.03e-03	-9.44e-04	-0.97	4.65e-05	-3.26e-04	0.0
84	12	-0.29	-0.08	-0.57	7.79e-04	-1.88e-04	0.0
84	30	0.06	-0.37	-0.08	2.89e-03	2.79e-04	0.0
84	35	-0.06	0.35	-1.30	-2.78e-03	-6.41e-04	0.0
84	44	-0.11	-0.03	-0.65	2.99e-04	-2.09e-04	0.0
84	62	0.02	-0.13	-0.47	1.06e-03	-3.72e-05	0.0
84	67	-0.03	0.13	-0.91	-9.84e-04	-3.69e-04	0.0
84	69	-3.43e-03	-5.65e-04	-0.69	2.79e-05	-2.17e-04	0.0
84	71	-3.81e-03	-7.05e-04	-0.74	3.47e-05	-2.47e-04	0.0
84	73	-3.51e-03	-5.93e-04	-0.70	2.93e-05	-2.23e-04	0.0
84	74	-3.43e-03	-5.65e-04	-0.69	2.79e-05	-2.17e-04	0.0
85	2	-0.01	-6.64e-04	-1.00	3.29e-05	-6.39e-04	0.0
85	12	-0.29	-0.08	-0.60	8.12e-04	-4.23e-04	0.0
85	30	0.06	-0.38	-0.06	3.08e-03	1.83e-04	0.0
85	35	-0.07	0.36	-1.37	-2.98e-03	-1.00e-03	0.0
85	44	-0.11	-0.03	-0.67	3.05e-04	-4.15e-04	0.0
85	62	0.02	-0.14	-0.47	1.12e-03	-1.93e-04	0.0
85	67	-0.03	0.13	-0.95	-1.06e-03	-6.22e-04	0.0
85	69	-7.23e-03	-3.84e-04	-0.71	1.90e-05	-4.06e-04	0.0
85	71	-8.51e-03	-4.94e-04	-0.76	2.44e-05	-4.80e-04	0.0
85	73	-7.49e-03	-4.06e-04	-0.72	2.01e-05	-4.21e-04	0.0
85	74	-7.23e-03	-3.84e-04	-0.71	1.90e-05	-4.06e-04	0.0
86	1	-0.01	5.66e-05	-0.98	-2.46e-06	-7.59e-04	0.0
86	2	-0.02	2.35e-05	-1.07	0.0	-9.33e-04	0.0
86	12	-0.30	-0.08	-0.64	8.47e-04	-6.71e-04	0.0
86	31	-0.08	0.40	-1.45	-3.30e-03	-1.25e-03	0.0
86	35	-0.07	0.38	-1.46	-3.23e-03	-1.26e-03	0.0
86	44	-0.11	-0.03	-0.71	3.04e-04	-6.17e-04	0.0
86	63	-0.03	0.14	-1.00	-1.19e-03	-8.26e-04	0.0
86	67	-0.03	0.14	-1.01	-1.17e-03	-8.29e-04	0.0
86	69	-0.01	4.35e-05	-0.75	-1.89e-06	-5.84e-04	0.0
86	70	-0.01	4.35e-05	-0.75	-1.89e-06	-5.84e-04	0.0
86	71	-0.01	2.15e-05	-0.81	0.0	-7.00e-04	0.0
86	72	-0.01	4.35e-05	-0.75	-1.89e-06	-5.84e-04	0.0
86	73	-0.01	3.91e-05	-0.76	-1.65e-06	-6.07e-04	0.0
86	74	-0.01	4.35e-05	-0.75	-1.89e-06	-5.84e-04	0.0
87	2	-0.02	1.20e-03	-1.15	-5.63e-05	-1.18e-03	0.0
87	12	-0.30	-0.08	-0.70	8.82e-04	-9.08e-04	0.0
87	31	-0.08	0.42	-1.56	-3.61e-03	-1.45e-03	0.0
87	35	-0.08	0.40	-1.57	-3.53e-03	-1.46e-03	0.0
87	44	-0.12	-0.03	-0.77	2.95e-04	-7.97e-04	0.0
87	63	-0.04	0.15	-1.08	-1.33e-03	-9.93e-04	0.0
87	67	-0.04	0.14	-1.08	-1.30e-03	-9.96e-04	0.0
87	69	-0.01	7.64e-04	-0.80	-3.62e-05	-7.31e-04	0.0
87	71	-0.02	9.00e-04	-0.88	-4.23e-05	-8.84e-04	0.0
87	73	-0.01	7.91e-04	-0.82	-3.75e-05	-7.62e-04	0.0
87	74	-0.01	7.64e-04	-0.80	-3.62e-05	-7.31e-04	0.0
88	2	-0.03	2.57e-03	-1.26	-1.26e-04	-1.33e-03	0.0
88	12	-0.31	-0.09	-0.79	9.29e-04	-1.11e-03	0.0
88	33	0.09	0.44	-1.58	-4.00e-03	-1.25e-03	0.0
88	35	-0.08	0.42	-1.69	-3.90e-03	-1.54e-03	0.0
88	44	-0.12	-0.03	-0.84	2.84e-04	-9.26e-04	0.0
88	65	0.02	0.16	-1.13	-1.49e-03	-9.75e-04	0.0
88	67	-0.04	0.15	-1.16	-1.46e-03	-1.08e-03	0.0
88	69	-0.02	1.61e-03	-0.87	-7.90e-05	-8.22e-04	0.0
88	71	-0.02	1.93e-03	-0.95	-9.43e-05	-9.98e-04	0.0
88	73	-0.02	1.67e-03	-0.88	-8.20e-05	-8.58e-04	0.0
88	74	-0.02	1.61e-03	-0.87	-7.90e-05	-8.22e-04	0.0
89	2	-0.03	3.29e-03	-1.35	-1.69e-04	-1.31e-03	0.0
89	12	-0.30	-0.09	-0.97	9.05e-04	-1.22e-03	0.0
89	33	0.08	0.45	-1.34	-4.00e-03	-9.55e-04	0.0
89	35	-0.09	0.43	-1.46	-3.89e-03	-1.27e-03	0.0
89	44	-0.12	-0.03	-0.94	2.59e-04	-9.59e-04	0.0
89	65	0.02	0.16	-1.07	-1.51e-03	-8.61e-04	0.0
89	67	-0.04	0.16	-1.12	-1.47e-03	-9.74e-04	0.0
89	69	-0.02	2.04e-03	-0.92	-1.05e-04	-8.08e-04	0.0
89	71	-0.02	2.46e-03	-1.02	-1.27e-04	-9.84e-04	0.0
89	73	-0.02	2.13e-03	-0.94	-1.09e-04	-8.43e-04	0.0
89	74	-0.02	2.04e-03	-0.92	-1.05e-04	-8.08e-04	0.0
90	2	-0.02	1.35e-03	-1.34	-6.85e-05	-1.27e-03	0.0
90	12	-0.30	-0.09	-1.06	9.36e-04	-1.24e-03	0.0
90	19	-0.30	0.09	-1.16	-1.01e-03	-1.29e-03	0.0
90	33	0.07	0.45	-1.01	-3.83e-03	-7.23e-04	0.0
90	44	-0.12	-0.03	-0.97	3.11e-04	-9.47e-04	0.0
90	51	-0.12	0.03	-1.01	-3.90e-04	-9.67e-04	0.0
90	65	0.02	0.16	-0.95	-1.41e-03	-7.61e-04	0.0

90	69	-0.01	8.32e-04	-0.92	-4.22e-05	-7.82e-04	0.0
90	71	-0.02	1.01e-03	-1.01	-5.13e-05	-9.51e-04	0.0
90	73	-0.02	8.67e-04	-0.94	-4.40e-05	-8.16e-04	0.0
90	74	-0.01	8.32e-04	-0.92	-4.22e-05	-7.82e-04	0.0
91	2	-0.02	-1.35e-03	-1.34	6.84e-05	-1.27e-03	0.0
91	12	-0.30	-0.09	-1.16	1.01e-03	-1.29e-03	0.0
91	19	-0.30	0.09	-1.06	-9.36e-04	-1.24e-03	0.0
91	30	0.07	-0.45	-1.01	3.83e-03	-7.23e-04	0.0
91	44	-0.12	-0.03	-1.01	3.90e-04	-9.67e-04	0.0
91	51	-0.12	0.03	-0.97	-3.11e-04	-9.47e-04	0.0
91	62	0.02	-0.16	-0.95	1.41e-03	-7.61e-04	0.0
91	69	-0.01	-8.32e-04	-0.92	4.22e-05	-7.82e-04	0.0
91	71	-0.02	-1.01e-03	-1.01	5.12e-05	-9.51e-04	0.0
91	73	-0.02	-8.68e-04	-0.94	4.40e-05	-8.16e-04	0.0
91	74	-0.01	-8.32e-04	-0.92	4.22e-05	-7.82e-04	0.0
92	2	-0.03	-3.29e-03	-1.35	1.69e-04	-1.31e-03	0.0
92	19	-0.30	0.09	-0.97	-9.05e-04	-1.22e-03	0.0
92	30	0.08	-0.45	-1.34	4.00e-03	-9.56e-04	0.0
92	32	-0.09	-0.43	-1.46	3.89e-03	-1.27e-03	0.0
92	51	-0.12	0.03	-0.94	-2.59e-04	-9.59e-04	0.0
92	62	0.02	-0.16	-1.07	1.51e-03	-8.61e-04	0.0
92	64	-0.04	-0.16	-1.12	1.47e-03	-9.74e-04	0.0
92	69	-0.02	-2.04e-03	-0.92	1.05e-04	-8.08e-04	0.0
92	71	-0.02	-2.46e-03	-1.02	1.27e-04	-9.84e-04	0.0
92	73	-0.02	-2.13e-03	-0.94	1.09e-04	-8.43e-04	0.0
92	74	-0.02	-2.04e-03	-0.92	1.05e-04	-8.08e-04	0.0
93	2	-0.03	-2.31e-03	-1.33	1.24e-04	-1.36e-03	0.0
93	19	-0.31	0.09	-0.78	-9.54e-04	-1.20e-03	0.0
93	30	0.10	-0.45	-1.84	4.08e-03	-1.20e-03	0.0
93	32	-0.07	-0.42	-1.97	3.98e-03	-1.53e-03	0.0
93	51	-0.12	0.03	-0.87	-2.95e-04	-9.68e-04	0.0
93	62	0.03	-0.16	-1.25	1.52e-03	-9.66e-04	0.0
93	64	-0.04	-0.15	-1.29	1.48e-03	-1.09e-03	0.0
93	69	-0.02	-1.43e-03	-0.91	7.74e-05	-8.35e-04	0.0
93	71	-0.02	-1.73e-03	-1.01	9.31e-05	-1.02e-03	0.0
93	73	-0.02	-1.49e-03	-0.93	8.05e-05	-8.71e-04	0.0
93	74	-0.02	-1.43e-03	-0.91	7.74e-05	-8.35e-04	0.0
94	2	-0.02	-1.96e-03	-1.21	8.69e-05	-1.31e-03	0.0
94	19	-0.31	0.08	-0.69	-9.17e-04	-1.01e-03	0.0
94	30	0.09	-0.43	-1.73	3.84e-03	-1.41e-03	0.0
94	32	-0.07	-0.41	-1.82	3.75e-03	-1.68e-03	0.0
94	51	-0.12	0.03	-0.79	-2.96e-04	-8.81e-04	0.0
94	62	0.02	-0.16	-1.16	1.42e-03	-1.02e-03	0.0
94	64	-0.04	-0.15	-1.20	1.39e-03	-1.12e-03	0.0
94	69	-0.02	-1.21e-03	-0.84	5.46e-05	-8.07e-04	0.0
94	71	-0.02	-1.47e-03	-0.92	6.52e-05	-9.78e-04	0.0
94	73	-0.02	-1.27e-03	-0.86	5.67e-05	-8.41e-04	0.0
94	74	-0.02	-1.21e-03	-0.84	5.46e-05	-8.07e-04	0.0
95	1	-0.02	-4.19e-05	-1.01	1.08e-06	-8.79e-04	0.0
95	2	-0.02	9.04e-06	-1.11	-1.85e-06	-1.09e-03	0.0
95	19	-0.30	0.08	-0.62	-8.78e-04	-7.69e-04	0.0
95	32	-0.07	-0.39	-1.68	3.37e-03	-1.52e-03	0.0
95	36	-0.07	-0.41	-1.68	3.45e-03	-1.51e-03	0.0
95	51	-0.12	0.03	-0.72	-3.16e-04	-7.12e-04	0.0
95	64	-0.03	-0.14	-1.10	1.22e-03	-9.81e-04	0.0
95	68	-0.03	-0.15	-1.10	1.25e-03	-9.77e-04	0.0
95	69	-0.01	-3.23e-05	-0.78	0.0	-6.76e-04	0.0
95	70	-0.01	-3.23e-05	-0.78	0.0	-6.76e-04	0.0
95	71	-0.02	1.73e-06	-0.84	-1.12e-06	-8.14e-04	0.0
95	72	-0.01	-3.23e-05	-0.78	0.0	-6.76e-04	0.0
95	73	-0.01	-2.55e-05	-0.79	0.0	-7.04e-04	0.0
95	74	-0.01	-3.23e-05	-0.78	0.0	-6.76e-04	0.0
96	2	-0.01	1.07e-03	-1.03	-5.35e-05	-7.92e-04	0.0
96	19	-0.30	0.08	-0.57	-1.10e-03	-5.16e-04	0.0
96	32	-0.07	-0.37	-1.57	3.07e-03	-1.24e-03	0.0
96	33	0.05	0.39	0.11	-3.12e-03	2.30e-04	0.0
96	51	-0.11	0.03	-0.67	-4.16e-04	-5.07e-04	0.0
96	64	-0.03	-0.13	-1.03	1.09e-03	-7.66e-04	0.0
96	65	0.01	0.14	-0.43	-1.15e-03	-2.35e-04	0.0
96	69	-9.09e-03	6.24e-04	-0.73	-3.12e-05	-4.99e-04	0.0
96	71	-0.01	7.97e-04	-0.78	-3.98e-05	-5.95e-04	0.0
96	73	-9.44e-03	6.59e-04	-0.74	-3.29e-05	-5.18e-04	0.0
96	74	-9.09e-03	6.24e-04	-0.73	-3.12e-05	-4.99e-04	0.0
97	2	-7.83e-03	1.60e-03	-0.98	-7.94e-05	-4.66e-04	0.0
97	19	-0.29	0.08	-0.53	-1.03e-03	-2.62e-04	0.0
97	32	-0.06	-0.36	-1.47	2.83e-03	-9.30e-04	0.0

97	33	0.05	0.38	0.08	-2.92e-03	3.19e-04	0.0
97	51	-0.11	0.03	-0.64	-4.02e-04	-2.90e-04	0.0
97	64	-0.03	-0.13	-0.97	9.92e-04	-5.29e-04	0.0
97	65	0.02	0.14	-0.41	-1.08e-03	-7.71e-05	0.0
97	69	-5.13e-03	9.58e-04	-0.69	-4.76e-05	-3.01e-04	0.0
97	71	-5.90e-03	1.20e-03	-0.74	-5.93e-05	-3.51e-04	0.0
97	73	-5.29e-03	1.01e-03	-0.70	-4.99e-05	-3.11e-04	0.0
97	74	-5.13e-03	9.58e-04	-0.69	-4.76e-05	-3.01e-04	0.0
98	1	-1.43e-03	1.29e-03	-0.88	-6.39e-05	-1.31e-04	0.0
98	2	-1.18e-03	1.64e-03	-0.95	-8.10e-05	-1.35e-04	0.0
98	19	-0.29	0.08	-0.53	-7.74e-04	1.31e-04	0.0
98	32	-0.06	-0.34	-1.41	2.65e-03	-5.55e-04	0.0
98	33	0.06	0.36	0.05	-2.80e-03	3.57e-04	0.0
98	51	-0.10	0.03	-0.62	-3.11e-04	-1.42e-05	0.0
98	64	-0.02	-0.12	-0.94	9.25e-04	-2.64e-04	0.0
98	65	0.02	0.13	-0.41	-1.04e-03	6.36e-05	0.0
98	69	-1.10e-03	9.93e-04	-0.68	-4.92e-05	-1.01e-04	0.0
98	70	-1.10e-03	9.93e-04	-0.68	-4.92e-05	-1.01e-04	0.0
98	71	-9.31e-04	1.23e-03	-0.72	-6.05e-05	-1.03e-04	0.0
98	72	-1.10e-03	9.93e-04	-0.68	-4.92e-05	-1.01e-04	0.0
98	73	-1.07e-03	1.04e-03	-0.69	-5.14e-05	-1.01e-04	0.0
98	74	-1.10e-03	9.93e-04	-0.68	-4.92e-05	-1.01e-04	0.0
99	2	5.06e-03	1.21e-03	-0.95	-5.92e-05	1.76e-04	0.0
99	18	0.29	-0.08	-0.82	6.64e-04	-1.15e-04	0.0
99	32	-0.05	-0.33	-1.37	2.52e-03	-2.78e-04	0.0
99	33	0.06	0.34	0.01	-2.63e-03	4.50e-04	0.0
99	50	0.11	-0.03	-0.73	2.16e-04	1.28e-05	0.0
99	64	-0.02	-0.12	-0.92	8.85e-04	-4.33e-05	0.0
99	65	0.02	0.12	-0.43	-9.73e-04	2.18e-04	0.0
99	69	2.68e-03	7.45e-04	-0.68	-3.66e-05	8.79e-05	0.0
99	71	3.73e-03	9.05e-04	-0.73	-4.44e-05	1.29e-04	0.0
99	73	2.89e-03	7.77e-04	-0.69	-3.82e-05	9.62e-05	0.0
99	74	2.68e-03	7.45e-04	-0.68	-3.66e-05	8.79e-05	0.0
100	2	0.01	3.16e-04	-0.98	-1.42e-05	4.41e-04	0.0
100	18	0.29	-0.07	-0.82	6.76e-04	5.95e-05	0.0
100	31	-0.10	0.33	-0.08	-2.45e-03	5.69e-04	0.0
100	32	-0.05	-0.32	-1.35	2.47e-03	-2.19e-05	0.0
100	50	0.11	-0.03	-0.74	2.37e-04	1.80e-04	0.0
100	63	-0.03	0.12	-0.47	-8.91e-04	3.65e-04	0.0
100	64	-0.01	-0.11	-0.93	8.84e-04	1.52e-04	0.0
100	69	5.92e-03	2.17e-04	-0.69	-1.00e-05	2.49e-04	0.0
100	71	7.72e-03	2.39e-04	-0.75	-1.08e-05	3.27e-04	0.0
100	73	6.28e-03	2.21e-04	-0.70	-1.02e-05	2.65e-04	0.0
100	74	5.92e-03	2.17e-04	-0.69	-1.00e-05	2.49e-04	0.0
101	2	0.01	-1.04e-03	-1.03	5.41e-05	6.35e-04	0.0
101	18	0.29	-0.08	-0.83	7.04e-04	2.07e-04	0.0
101	30	0.12	-0.32	-1.31	2.39e-03	1.36e-04	0.0
101	32	-0.04	-0.31	-1.36	2.43e-03	1.82e-04	0.0
101	50	0.11	-0.03	-0.76	2.73e-04	3.09e-04	0.0
101	62	0.05	-0.11	-0.93	8.83e-04	2.84e-04	0.0
101	64	-0.01	-0.11	-0.95	8.97e-04	3.01e-04	0.0
101	69	8.30e-03	-5.90e-04	-0.72	3.05e-05	3.68e-04	0.0
101	71	0.01	-7.74e-04	-0.78	4.02e-05	4.72e-04	0.0
101	73	8.77e-03	-6.27e-04	-0.73	3.25e-05	3.89e-04	0.0
101	74	8.30e-03	-5.90e-04	-0.72	3.05e-05	3.68e-04	0.0
102	2	0.02	-2.76e-03	-1.09	1.42e-04	7.23e-04	0.0
102	18	0.29	-0.08	-0.85	7.39e-04	3.18e-04	0.0
102	30	0.12	-0.31	-1.33	2.40e-03	2.78e-04	0.0
102	32	-0.04	-0.30	-1.38	2.45e-03	3.08e-04	0.0
102	50	0.11	-0.03	-0.79	3.19e-04	3.85e-04	0.0
102	62	0.05	-0.11	-0.96	9.19e-04	3.71e-04	0.0
102	64	-9.05e-03	-0.11	-0.98	9.35e-04	3.82e-04	0.0
102	69	9.43e-03	-1.62e-03	-0.75	8.26e-05	4.24e-04	0.0
102	71	0.01	-2.06e-03	-0.83	1.05e-04	5.39e-04	0.0
102	73	9.93e-03	-1.70e-03	-0.77	8.72e-05	4.47e-04	0.0
102	74	9.43e-03	-1.62e-03	-0.75	8.26e-05	4.24e-04	0.0
103	2	0.01	-3.64e-03	-1.15	2.04e-04	6.51e-04	0.0
103	18	0.30	-0.08	-0.89	7.90e-04	4.23e-04	0.0
103	30	0.12	-0.30	-1.36	2.45e-03	3.38e-04	0.0
103	32	-0.04	-0.29	-1.41	2.48e-03	2.92e-04	0.0
103	50	0.11	-0.03	-0.82	3.62e-04	3.98e-04	0.0
103	62	0.05	-0.11	-0.99	9.60e-04	3.67e-04	0.0
103	64	-0.01	-0.11	-1.01	9.72e-04	3.51e-04	0.0
103	69	8.54e-03	-2.16e-03	-0.79	1.21e-04	3.84e-04	0.0
103	71	0.01	-2.72e-03	-0.87	1.52e-04	4.85e-04	0.0
103	73	8.99e-03	-2.27e-03	-0.81	1.27e-04	4.04e-04	0.0

103	74	8.54e-03	-2.16e-03	-0.79	1.21e-04	3.84e-04	0.0
104	2	4.43e-03	-3.46e-03	-1.21	2.19e-04	9.30e-05	0.0
104	18	0.29	-0.08	-0.94	8.06e-04	1.85e-04	0.0
104	30	0.11	-0.28	-1.39	2.44e-03	-7.07e-06	0.0
104	32	-0.05	-0.27	-1.43	2.46e-03	-1.14e-04	0.0
104	50	0.11	-0.03	-0.87	3.74e-04	1.03e-04	0.0
104	62	0.04	-0.10	-1.03	9.62e-04	3.36e-05	0.0
104	64	-0.02	-0.10	-1.04	9.69e-04	-4.93e-06	0.0
104	69	2.64e-03	-2.05e-03	-0.83	1.30e-04	5.66e-05	0.0
104	71	3.30e-03	-2.58e-03	-0.92	1.63e-04	6.96e-05	0.0
104	73	2.77e-03	-2.16e-03	-0.84	1.36e-04	5.92e-05	0.0
104	74	2.64e-03	-2.05e-03	-0.83	1.30e-04	5.66e-05	0.0
105	2	-2.11e-04	-4.57e-03	-1.21	2.37e-04	-1.15e-04	0.0
105	19	-0.29	0.07	-0.70	-5.55e-04	-6.26e-05	0.0
105	32	-0.06	-0.26	-1.41	2.38e-03	-2.40e-04	0.0
105	36	-0.06	-0.27	-1.41	2.38e-03	-2.34e-04	0.0
105	51	-0.10	0.02	-0.78	-1.11e-04	-6.46e-05	0.0
105	64	-0.02	-0.10	-1.04	9.48e-04	-1.28e-04	0.0
105	68	-0.02	-0.10	-1.03	9.47e-04	-1.26e-04	0.0
105	69	-9.44e-05	-2.71e-03	-0.82	1.40e-04	-6.56e-05	0.0
105	71	-1.53e-04	-3.41e-03	-0.92	1.77e-04	-8.53e-05	0.0
105	73	-1.06e-04	-2.85e-03	-0.84	1.48e-04	-6.95e-05	0.0
105	74	-9.44e-05	-2.71e-03	-0.82	1.40e-04	-6.56e-05	0.0
106	2	-1.41e-03	-3.69e-03	-1.19	1.87e-04	-1.73e-04	0.0
106	19	-0.29	0.07	-0.70	-5.51e-04	-3.33e-05	0.0
106	30	0.11	-0.26	-1.36	2.29e-03	-2.29e-04	0.0
106	32	-0.06	-0.26	-1.39	2.29e-03	-2.09e-04	0.0
106	51	-0.10	0.02	-0.77	-1.28e-04	-7.52e-05	0.0
106	62	0.04	-0.09	-1.01	8.97e-04	-1.46e-04	0.0
106	64	-0.02	-0.09	-1.02	8.95e-04	-1.39e-04	0.0
106	69	-7.86e-04	-2.19e-03	-0.82	1.11e-04	-9.91e-05	0.0
106	71	-1.04e-03	-2.75e-03	-0.91	1.40e-04	-1.29e-04	0.0
106	73	-8.37e-04	-2.30e-03	-0.83	1.16e-04	-1.05e-04	0.0
106	74	-7.86e-04	-2.19e-03	-0.82	1.11e-04	-9.91e-05	0.0
107	2	-1.04e-03	-2.94e-03	-1.18	1.48e-04	-1.54e-04	0.0
107	19	-0.29	0.07	-0.69	-5.35e-04	-2.59e-05	0.0
107	28	-0.10	-0.24	-1.38	2.27e-03	-5.79e-06	0.0
107	30	0.11	-0.25	-1.35	2.22e-03	-1.76e-04	0.0
107	51	-0.10	0.02	-0.77	-1.37e-04	-6.48e-05	0.0
107	60	-0.04	-0.09	-1.02	8.75e-04	-5.77e-05	0.0
107	62	0.04	-0.09	-1.00	8.58e-04	-1.19e-04	0.0
107	69	-5.54e-04	-1.75e-03	-0.81	8.79e-05	-8.70e-05	0.0
107	71	-7.68e-04	-2.20e-03	-0.90	1.11e-04	-1.15e-04	0.0
107	73	-5.96e-04	-1.84e-03	-0.83	9.25e-05	-9.25e-05	0.0
107	74	-5.54e-04	-1.75e-03	-0.81	8.79e-05	-8.70e-05	0.0
108	1	1.24e-04	-2.03e-03	-1.04	1.02e-04	-7.04e-05	0.0
108	2	3.23e-05	-2.62e-03	-1.17	1.32e-04	-1.00e-04	0.0
108	18	0.29	-0.07	-0.92	6.80e-04	-7.33e-05	0.0
108	28	-0.10	-0.25	-1.39	2.30e-03	7.45e-05	0.0
108	50	0.10	-0.03	-0.84	2.95e-04	-6.14e-05	0.0
108	60	-0.04	-0.09	-1.01	8.80e-04	-7.66e-06	0.0
108	69	9.53e-05	-1.56e-03	-0.80	7.82e-05	-5.41e-05	0.0
108	70	9.53e-05	-1.56e-03	-0.80	7.82e-05	-5.41e-05	0.0
108	71	3.42e-05	-1.95e-03	-0.89	9.82e-05	-7.41e-05	0.0
108	72	9.53e-05	-1.56e-03	-0.80	7.82e-05	-5.41e-05	0.0
108	73	8.31e-05	-1.64e-03	-0.82	8.22e-05	-5.81e-05	0.0
108	74	9.53e-05	-1.56e-03	-0.80	7.82e-05	-5.41e-05	0.0
109	2	1.11e-03	-2.70e-03	-1.17	1.36e-04	-4.57e-05	0.0
109	18	0.29	-0.08	-0.92	6.69e-04	4.59e-05	0.0
109	26	0.06	-0.26	-1.37	2.34e-03	1.57e-04	0.0
109	28	-0.10	-0.26	-1.40	2.38e-03	1.26e-04	0.0
109	50	0.10	-0.03	-0.84	2.93e-04	3.24e-06	0.0
109	58	0.02	-0.09	-1.00	8.97e-04	4.30e-05	0.0
109	60	-0.04	-0.09	-1.01	9.10e-04	3.17e-05	0.0
109	69	7.43e-04	-1.61e-03	-0.80	8.12e-05	-2.12e-05	0.0
109	71	8.39e-04	-2.01e-03	-0.88	1.02e-04	-3.33e-05	0.0
109	73	7.63e-04	-1.69e-03	-0.82	8.53e-05	-2.36e-05	0.0
109	74	7.43e-04	-1.61e-03	-0.80	8.12e-05	-2.12e-05	0.0
110	2	1.26e-03	-2.66e-03	-1.16	1.41e-04	-3.41e-05	0.0
110	18	0.29	-0.08	-0.92	7.10e-04	1.97e-04	0.0
110	24	-0.10	-0.27	-1.40	2.45e-03	7.00e-05	0.0
110	28	-0.11	-0.26	-1.41	2.45e-03	7.48e-05	0.0
110	50	0.11	-0.03	-0.84	3.10e-04	6.23e-05	0.0
110	56	-0.04	-0.10	-1.02	9.38e-04	1.63e-05	0.0
110	60	-0.04	-0.10	-1.02	9.39e-04	1.80e-05	0.0
110	69	8.32e-04	-1.59e-03	-0.80	8.44e-05	-1.40e-05	0.0

110	71	9.48e-04	-1.99e-03	-0.88	1.05e-04	-2.46e-05	0.0
110	73	8.55e-04	-1.67e-03	-0.82	8.86e-05	-1.61e-05	0.0
110	74	8.32e-04	-1.59e-03	-0.80	8.44e-05	-1.40e-05	0.0
111	2	-6.79e-04	-2.66e-03	-1.15	1.37e-04	-1.39e-04	0.0
111	16	-0.29	-0.07	-0.99	7.64e-04	-2.18e-04	0.0
111	26	0.06	-0.29	-1.40	2.51e-03	9.63e-05	0.0
111	28	-0.11	-0.28	-1.41	2.48e-03	-1.02e-05	0.0
111	48	-0.10	-0.03	-0.86	3.28e-04	-1.28e-04	0.0
111	58	0.02	-0.10	-1.01	9.57e-04	-1.41e-05	0.0
111	60	-0.04	-0.10	-1.01	9.48e-04	-5.26e-05	0.0
111	69	-3.24e-04	-1.59e-03	-0.79	8.18e-05	-7.64e-05	0.0
111	71	-4.96e-04	-1.98e-03	-0.87	1.02e-04	-1.03e-04	0.0
111	73	-3.58e-04	-1.67e-03	-0.81	8.59e-05	-8.17e-05	0.0
111	74	-3.24e-04	-1.59e-03	-0.79	8.18e-05	-7.64e-05	0.0
112	1	2.29e-04	-1.84e-03	-1.02	9.23e-05	-6.49e-05	0.0
112	2	1.33e-04	-2.37e-03	-1.14	1.19e-04	-9.65e-05	0.0
112	13	0.29	0.07	-0.61	-6.13e-04	0.0	0.0
112	22	0.06	-0.29	-1.42	2.52e-03	1.60e-04	0.0
112	24	-0.11	-0.30	-1.40	2.48e-03	8.64e-05	0.0
112	45	0.10	0.02	-0.72	-1.76e-04	-3.15e-05	0.0
112	54	0.02	-0.10	-1.01	9.53e-04	2.61e-05	0.0
112	56	-0.04	-0.11	-1.01	9.41e-04	0.0	0.0
112	69	1.76e-04	-1.42e-03	-0.79	7.10e-05	-4.99e-05	0.0
112	70	1.76e-04	-1.42e-03	-0.79	7.10e-05	-4.99e-05	0.0
112	71	1.12e-04	-1.77e-03	-0.86	8.88e-05	-7.10e-05	0.0
112	72	1.76e-04	-1.42e-03	-0.79	7.10e-05	-4.99e-05	0.0
112	73	1.63e-04	-1.49e-03	-0.80	7.46e-05	-5.41e-05	0.0
112	74	1.76e-04	-1.42e-03	-0.79	7.10e-05	-4.99e-05	0.0
113	2	1.75e-03	-2.21e-03	-1.13	1.11e-04	-1.50e-05	0.0
113	13	0.29	0.07	-0.61	-6.21e-04	3.31e-05	0.0
113	22	0.06	-0.29	-1.43	2.53e-03	2.74e-04	0.0
113	26	0.06	-0.31	-1.43	2.57e-03	2.67e-04	0.0
113	45	0.10	0.02	-0.72	-1.82e-04	1.26e-05	0.0
113	54	0.02	-0.11	-1.02	9.56e-04	9.89e-05	0.0
113	58	0.02	-0.11	-1.02	9.69e-04	9.64e-05	0.0
113	69	1.16e-03	-1.32e-03	-0.78	6.61e-05	0.0	0.0
113	71	1.32e-03	-1.65e-03	-0.86	8.27e-05	-9.98e-06	0.0
113	73	1.20e-03	-1.39e-03	-0.80	6.94e-05	-1.95e-06	0.0
113	74	1.16e-03	-1.32e-03	-0.78	6.61e-05	0.0	0.0
114	2	3.35e-03	-2.46e-03	-1.14	1.24e-04	6.51e-05	0.0
114	18	0.29	-0.08	-0.99	6.73e-04	2.26e-04	0.0
114	22	0.06	-0.30	-1.46	2.63e-03	3.89e-04	0.0
114	26	0.06	-0.32	-1.46	2.63e-03	3.82e-04	0.0
114	50	0.11	-0.03	-0.86	2.90e-04	1.14e-04	0.0
114	54	0.02	-0.11	-1.03	9.97e-04	1.72e-04	0.0
114	58	0.02	-0.12	-1.03	9.96e-04	1.70e-04	0.0
114	69	2.15e-03	-1.47e-03	-0.79	7.39e-05	4.96e-05	0.0
114	71	2.52e-03	-1.84e-03	-0.86	9.25e-05	5.00e-05	0.0
114	73	2.22e-03	-1.54e-03	-0.80	7.76e-05	4.97e-05	0.0
114	74	2.15e-03	-1.47e-03	-0.79	7.39e-05	4.96e-05	0.0
115	2	4.18e-03	-3.00e-03	-1.14	1.54e-04	1.07e-04	0.0
115	18	0.29	-0.08	-1.01	6.98e-04	3.35e-04	0.0
115	22	0.06	-0.32	-1.49	2.77e-03	4.71e-04	0.0
115	26	0.06	-0.33	-1.49	2.76e-03	4.64e-04	0.0
115	50	0.11	-0.03	-0.87	3.11e-04	1.70e-04	0.0
115	54	0.02	-0.11	-1.05	1.06e-03	2.19e-04	0.0
115	58	0.02	-0.12	-1.04	1.05e-03	2.16e-04	0.0
115	69	2.68e-03	-1.80e-03	-0.79	9.21e-05	7.61e-05	0.0
115	71	3.15e-03	-2.24e-03	-0.87	1.15e-04	8.12e-05	0.0
115	73	2.77e-03	-1.89e-03	-0.81	9.66e-05	7.71e-05	0.0
115	74	2.68e-03	-1.80e-03	-0.79	9.21e-05	7.61e-05	0.0
116	2	2.66e-03	-2.78e-03	-1.15	1.57e-04	4.32e-05	0.0
116	13	0.29	0.07	-0.64	-6.70e-04	3.11e-04	0.0
116	22	0.06	-0.33	-1.53	2.89e-03	4.27e-04	0.0
116	24	-0.11	-0.34	-1.49	2.94e-03	2.05e-04	0.0
116	45	0.11	0.03	-0.74	-1.82e-04	1.38e-04	0.0
116	54	0.02	-0.12	-1.06	1.10e-03	1.79e-04	0.0
116	56	-0.04	-0.12	-1.05	1.12e-03	9.93e-05	0.0
116	69	1.80e-03	-1.67e-03	-0.80	9.39e-05	3.97e-05	0.0
116	71	2.02e-03	-2.08e-03	-0.88	1.17e-04	3.41e-05	0.0
116	73	1.84e-03	-1.75e-03	-0.81	9.86e-05	3.86e-05	0.0
116	74	1.80e-03	-1.67e-03	-0.80	9.39e-05	3.97e-05	0.0
117	2	-4.95e-04	-2.85e-03	-1.14	1.46e-04	-1.35e-04	0.0
117	4	-4.98e-04	-2.33e-03	-0.90	1.20e-04	-1.17e-04	0.0
117	13	0.29	0.07	-0.68	-7.03e-04	1.64e-04	0.0
117	22	0.06	-0.34	-1.59	3.00e-03	3.63e-04	0.0

117	26	0.06	-0.36	-1.58	3.06e-03	3.57e-04	0.0
117	45	0.11	0.03	-0.75	-1.97e-04	2.03e-05	0.0
117	54	0.02	-0.13	-1.08	1.14e-03	9.19e-05	0.0
117	58	0.02	-0.13	-1.08	1.16e-03	8.96e-05	0.0
117	69	9.38e-06	-1.73e-03	-0.79	8.81e-05	-6.13e-05	0.0
117	71	-3.29e-04	-2.13e-03	-0.87	1.09e-04	-9.83e-05	0.0
117	73	-5.83e-05	-1.81e-03	-0.81	9.23e-05	-6.87e-05	0.0
117	74	9.38e-06	-1.73e-03	-0.79	8.81e-05	-6.13e-05	0.0
118	1	8.00e-04	-1.74e-03	-1.03	8.71e-05	-3.90e-05	0.0
118	2	3.60e-04	-2.23e-03	-1.13	1.12e-04	-9.07e-05	0.0
118	13	0.29	0.07	-0.69	-7.47e-04	1.64e-04	0.0
118	22	0.06	-0.36	-1.62	3.08e-03	4.76e-04	0.0
118	24	-0.11	-0.38	-1.53	3.15e-03	2.72e-04	0.0
118	45	0.11	0.03	-0.75	-2.27e-04	4.02e-05	0.0
118	54	0.02	-0.13	-1.09	1.15e-03	1.53e-04	0.0
118	56	-0.04	-0.14	-1.06	1.18e-03	7.88e-05	0.0
118	69	6.15e-04	-1.34e-03	-0.79	6.70e-05	-3.00e-05	0.0
118	70	6.15e-04	-1.34e-03	-0.79	6.70e-05	-3.00e-05	0.0
118	71	3.22e-04	-1.66e-03	-0.86	8.36e-05	-6.44e-05	0.0
118	72	6.15e-04	-1.34e-03	-0.79	6.70e-05	-3.00e-05	0.0
118	73	5.57e-04	-1.40e-03	-0.80	7.03e-05	-3.69e-05	0.0
118	74	6.15e-04	-1.34e-03	-0.79	6.70e-05	-3.00e-05	0.0
119	1	2.44e-03	-1.39e-03	-1.03	6.97e-05	4.33e-05	0.0
119	2	2.33e-03	-1.76e-03	-1.13	8.84e-05	8.27e-06	0.0
119	18	0.29	-0.09	-1.15	9.53e-04	4.84e-04	0.0
119	22	0.06	-0.37	-1.66	3.21e-03	6.29e-04	0.0
119	24	-0.11	-0.39	-1.55	3.28e-03	3.95e-04	0.0
119	50	0.11	-0.03	-0.92	3.78e-04	1.96e-04	0.0
119	54	0.02	-0.13	-1.10	1.19e-03	2.48e-04	0.0
119	56	-0.04	-0.14	-1.06	1.22e-03	1.64e-04	0.0
119	69	1.87e-03	-1.07e-03	-0.79	5.36e-05	3.33e-05	0.0
119	70	1.87e-03	-1.07e-03	-0.79	5.36e-05	3.33e-05	0.0
119	71	1.80e-03	-1.32e-03	-0.86	6.61e-05	9.96e-06	0.0
119	72	1.87e-03	-1.07e-03	-0.79	5.36e-05	3.33e-05	0.0
119	73	1.86e-03	-1.12e-03	-0.80	5.61e-05	2.87e-05	0.0
119	74	1.87e-03	-1.07e-03	-0.79	5.36e-05	3.33e-05	0.0
120	2	4.61e-03	-1.75e-03	-1.13	8.71e-05	1.23e-04	0.0
120	18	0.30	-0.10	-1.19	1.01e-03	6.37e-04	0.0
120	22	0.06	-0.38	-1.72	3.40e-03	7.81e-04	0.0
120	24	-0.10	-0.40	-1.59	3.48e-03	5.07e-04	0.0
120	50	0.11	-0.04	-0.94	3.97e-04	2.97e-04	0.0
120	54	0.03	-0.14	-1.13	1.26e-03	3.49e-04	0.0
120	56	-0.04	-0.15	-1.08	1.29e-03	2.50e-04	0.0
120	69	3.30e-03	-1.09e-03	-0.79	5.41e-05	1.05e-04	0.0
120	71	3.51e-03	-1.31e-03	-0.86	6.53e-05	9.58e-05	0.0
120	73	3.34e-03	-1.13e-03	-0.81	5.64e-05	1.03e-04	0.0
120	74	3.30e-03	-1.09e-03	-0.79	5.41e-05	1.05e-04	0.0
121	2	6.55e-03	-2.28e-03	-1.15	1.10e-04	2.19e-04	0.0
121	18	0.30	-0.10	-1.25	1.08e-03	7.89e-04	0.0
121	22	0.07	-0.39	-1.79	3.65e-03	8.67e-04	0.0
121	24	-0.10	-0.42	-1.64	3.74e-03	5.41e-04	0.0
121	50	0.11	-0.04	-0.96	4.33e-04	3.90e-04	0.0
121	54	0.03	-0.14	-1.16	1.36e-03	4.17e-04	0.0
121	56	-0.03	-0.15	-1.11	1.39e-03	3.00e-04	0.0
121	69	4.48e-03	-1.42e-03	-0.80	6.93e-05	1.64e-04	0.0
121	71	4.96e-03	-1.71e-03	-0.87	8.29e-05	1.68e-04	0.0
121	73	4.58e-03	-1.48e-03	-0.82	7.20e-05	1.65e-04	0.0
121	74	4.48e-03	-1.42e-03	-0.80	6.93e-05	1.64e-04	0.0
122	2	6.84e-03	-2.31e-03	-1.17	1.19e-04	2.40e-04	0.0
122	13	0.30	0.08	-0.80	-9.10e-04	6.55e-04	0.0
122	22	0.06	-0.41	-1.86	3.79e-03	7.38e-04	0.0
122	24	-0.11	-0.43	-1.68	3.89e-03	3.71e-04	0.0
122	45	0.11	0.03	-0.81	-2.80e-04	3.48e-04	0.0
122	54	0.03	-0.15	-1.19	1.41e-03	3.77e-04	0.0
122	56	-0.04	-0.16	-1.13	1.45e-03	2.45e-04	0.0
122	69	4.58e-03	-1.46e-03	-0.82	7.50e-05	1.74e-04	0.0
122	71	5.17e-03	-1.73e-03	-0.89	8.91e-05	1.83e-04	0.0
122	73	4.70e-03	-1.51e-03	-0.83	7.78e-05	1.76e-04	0.0
122	74	4.58e-03	-1.46e-03	-0.82	7.50e-05	1.74e-04	0.0
123	2	6.48e-03	-2.58e-03	-1.17	1.38e-04	2.20e-04	0.0
123	13	0.30	0.08	-0.93	-9.17e-04	6.66e-04	0.0
123	22	0.07	-0.42	-1.61	3.98e-03	6.28e-04	0.0
123	24	-0.10	-0.45	-1.41	3.87e-03	2.67e-04	0.0
123	45	0.11	0.03	-0.86	-2.75e-04	3.43e-04	0.0
123	54	0.03	-0.15	-1.11	1.49e-03	3.30e-04	0.0
123	56	-0.03	-0.16	-1.04	1.45e-03	1.99e-04	0.0

123	69	4.38e-03	-1.65e-03	-0.83	8.78e-05	1.61e-04	0.0
123	71	4.90e-03	-1.94e-03	-0.89	1.04e-04	1.68e-04	0.0
123	73	4.49e-03	-1.71e-03	-0.84	9.10e-05	1.63e-04	0.0
123	74	4.38e-03	-1.65e-03	-0.83	8.78e-05	1.61e-04	0.0
124	2	6.41e-03	-2.61e-03	-1.16	1.31e-04	2.10e-04	0.0
124	18	0.30	-0.10	-1.23	1.11e-03	7.76e-04	0.0
124	22	0.08	-0.41	-1.32	3.84e-03	5.33e-04	0.0
124	24	-0.09	-0.44	-1.13	3.73e-03	1.83e-04	0.0
124	50	0.11	-0.04	-0.97	4.53e-04	3.80e-04	0.0
124	54	0.03	-0.15	-1.00	1.44e-03	2.92e-04	0.0
124	56	-0.03	-0.16	-0.93	1.40e-03	1.66e-04	0.0
124	69	4.35e-03	-1.65e-03	-0.82	8.27e-05	1.56e-04	0.0
124	71	4.86e-03	-1.96e-03	-0.88	9.86e-05	1.61e-04	0.0
124	73	4.45e-03	-1.71e-03	-0.83	8.59e-05	1.57e-04	0.0
124	74	4.35e-03	-1.65e-03	-0.82	8.27e-05	1.56e-04	0.0
125	2	5.93e-03	-9.87e-04	-1.15	4.99e-05	1.88e-04	0.0
125	6	0.29	-0.08	-1.17	9.53e-04	7.10e-04	0.0
125	18	0.29	-0.10	-1.16	1.03e-03	7.04e-04	0.0
125	24	-0.09	-0.44	-0.85	3.67e-03	2.96e-05	0.0
125	38	0.11	-0.03	-0.94	3.64e-04	3.47e-04	0.0
125	50	0.11	-0.04	-0.94	3.93e-04	3.45e-04	0.0
125	56	-0.03	-0.16	-0.83	1.34e-03	1.02e-04	0.0
125	69	4.06e-03	-6.23e-04	-0.81	3.13e-05	1.42e-04	0.0
125	71	4.49e-03	-7.41e-04	-0.88	3.74e-05	1.44e-04	0.0
125	73	4.14e-03	-6.46e-04	-0.83	3.26e-05	1.43e-04	0.0
125	74	4.06e-03	-6.23e-04	-0.81	3.13e-05	1.42e-04	0.0
126	2	5.93e-03	9.85e-04	-1.15	-4.98e-05	1.88e-04	0.0
126	9	0.29	0.10	-1.16	-1.03e-03	7.04e-04	0.0
126	13	0.29	0.08	-1.17	-9.53e-04	7.10e-04	0.0
126	27	-0.09	0.44	-0.85	-3.67e-03	2.96e-05	0.0
126	41	0.11	0.04	-0.94	-3.93e-04	3.45e-04	0.0
126	45	0.11	0.03	-0.94	-3.64e-04	3.47e-04	0.0
126	59	-0.03	0.16	-0.83	-1.34e-03	1.02e-04	0.0
126	69	4.06e-03	6.22e-04	-0.81	-3.13e-05	1.42e-04	0.0
126	71	4.49e-03	7.40e-04	-0.88	-3.74e-05	1.44e-04	0.0
126	73	4.14e-03	6.45e-04	-0.83	-3.25e-05	1.43e-04	0.0
126	74	4.06e-03	6.22e-04	-0.81	-3.13e-05	1.42e-04	0.0
127	2	6.41e-03	2.61e-03	-1.16	-1.31e-04	2.10e-04	0.0
127	9	0.30	0.10	-1.23	-1.11e-03	7.76e-04	0.0
127	25	0.08	0.41	-1.32	-3.84e-03	5.33e-04	0.0
127	27	-0.09	0.44	-1.13	-3.73e-03	1.84e-04	0.0
127	41	0.11	0.04	-0.97	-4.53e-04	3.80e-04	0.0
127	57	0.03	0.15	-1.00	-1.44e-03	2.92e-04	0.0
127	59	-0.03	0.16	-0.93	-1.40e-03	1.66e-04	0.0
127	69	4.35e-03	1.65e-03	-0.82	-8.26e-05	1.56e-04	0.0
127	71	4.86e-03	1.96e-03	-0.88	-9.85e-05	1.61e-04	0.0
127	73	4.45e-03	1.71e-03	-0.83	-8.58e-05	1.57e-04	0.0
127	74	4.35e-03	1.65e-03	-0.82	-8.26e-05	1.56e-04	0.0
128	2	6.48e-03	2.58e-03	-1.17	-1.38e-04	2.20e-04	0.0
128	6	0.30	-0.08	-0.93	9.17e-04	6.66e-04	0.0
128	25	0.07	0.42	-1.61	-3.98e-03	6.28e-04	0.0
128	27	-0.10	0.45	-1.41	-3.87e-03	2.67e-04	0.0
128	38	0.11	-0.03	-0.86	2.75e-04	3.43e-04	0.0
128	57	0.03	0.15	-1.11	-1.49e-03	3.30e-04	0.0
128	59	-0.03	0.16	-1.04	-1.45e-03	1.99e-04	0.0
128	69	4.39e-03	1.65e-03	-0.83	-8.78e-05	1.61e-04	0.0
128	71	4.91e-03	1.94e-03	-0.89	-1.04e-04	1.68e-04	0.0
128	73	4.49e-03	1.71e-03	-0.84	-9.10e-05	1.63e-04	0.0
128	74	4.39e-03	1.65e-03	-0.83	-8.78e-05	1.61e-04	0.0
129	2	6.84e-03	2.30e-03	-1.17	-1.19e-04	2.40e-04	0.0
129	6	0.30	-0.08	-0.80	9.10e-04	6.55e-04	0.0
129	25	0.06	0.41	-1.86	-3.79e-03	7.38e-04	0.0
129	27	-0.11	0.43	-1.68	-3.89e-03	3.71e-04	0.0
129	38	0.11	-0.03	-0.81	2.80e-04	3.48e-04	0.0
129	57	0.03	0.15	-1.19	-1.41e-03	3.77e-04	0.0
129	59	-0.04	0.16	-1.13	-1.45e-03	2.45e-04	0.0
129	69	4.58e-03	1.45e-03	-0.82	-7.50e-05	1.74e-04	0.0
129	71	5.17e-03	1.73e-03	-0.89	-8.91e-05	1.83e-04	0.0
129	73	4.70e-03	1.51e-03	-0.83	-7.78e-05	1.76e-04	0.0
129	74	4.58e-03	1.45e-03	-0.82	-7.50e-05	1.74e-04	0.0
130	2	6.55e-03	2.28e-03	-1.15	-1.10e-04	2.19e-04	0.0
130	9	0.30	0.10	-1.25	-1.08e-03	7.89e-04	0.0
130	25	0.07	0.39	-1.79	-3.65e-03	8.67e-04	0.0
130	27	-0.10	0.42	-1.64	-3.74e-03	5.41e-04	0.0
130	41	0.11	0.04	-0.96	-4.33e-04	3.90e-04	0.0
130	57	0.03	0.14	-1.16	-1.36e-03	4.17e-04	0.0

130	59	-0.03	0.15	-1.11	-1.39e-03	3.00e-04	0.0
130	69	4.48e-03	1.42e-03	-0.80	-6.92e-05	1.64e-04	0.0
130	71	4.96e-03	1.71e-03	-0.87	-8.29e-05	1.68e-04	0.0
130	73	4.58e-03	1.48e-03	-0.82	-7.20e-05	1.65e-04	0.0
130	74	4.48e-03	1.42e-03	-0.80	-6.92e-05	1.64e-04	0.0
131	2	4.61e-03	1.75e-03	-1.13	-8.71e-05	1.23e-04	0.0
131	9	0.30	0.10	-1.19	-1.01e-03	6.37e-04	0.0
131	25	0.06	0.38	-1.72	-3.40e-03	7.81e-04	0.0
131	27	-0.10	0.40	-1.59	-3.48e-03	5.07e-04	0.0
131	41	0.11	0.04	-0.94	-3.97e-04	2.97e-04	0.0
131	57	0.03	0.14	-1.13	-1.26e-03	3.49e-04	0.0
131	59	-0.04	0.15	-1.08	-1.29e-03	2.50e-04	0.0
131	69	3.30e-03	1.09e-03	-0.79	-5.41e-05	1.05e-04	0.0
131	71	3.52e-03	1.31e-03	-0.86	-6.53e-05	9.58e-05	0.0
131	73	3.34e-03	1.13e-03	-0.81	-5.63e-05	1.03e-04	0.0
131	74	3.30e-03	1.09e-03	-0.79	-5.41e-05	1.05e-04	0.0
132	1	2.44e-03	1.39e-03	-1.03	-6.97e-05	4.33e-05	0.0
132	2	2.33e-03	1.76e-03	-1.13	-8.83e-05	8.27e-06	0.0
132	9	0.29	0.09	-1.15	-9.53e-04	4.84e-04	0.0
132	25	0.06	0.37	-1.66	-3.21e-03	6.29e-04	0.0
132	27	-0.11	0.39	-1.55	-3.28e-03	3.95e-04	0.0
132	41	0.11	0.03	-0.92	-3.78e-04	1.96e-04	0.0
132	57	0.02	0.13	-1.10	-1.19e-03	2.48e-04	0.0
132	59	-0.04	0.14	-1.06	-1.22e-03	1.64e-04	0.0
132	69	1.87e-03	1.07e-03	-0.79	-5.36e-05	3.33e-05	0.0
132	70	1.87e-03	1.07e-03	-0.79	-5.36e-05	3.33e-05	0.0
132	71	1.80e-03	1.32e-03	-0.86	-6.60e-05	9.96e-06	0.0
132	72	1.87e-03	1.07e-03	-0.79	-5.36e-05	3.33e-05	0.0
132	73	1.86e-03	1.12e-03	-0.80	-5.61e-05	2.87e-05	0.0
132	74	1.87e-03	1.07e-03	-0.79	-5.36e-05	3.33e-05	0.0
133	1	8.01e-04	1.74e-03	-1.03	-8.71e-05	-3.90e-05	0.0
133	2	3.61e-04	2.23e-03	-1.13	-1.12e-04	-9.06e-05	0.0
133	6	0.29	-0.07	-0.69	7.47e-04	1.64e-04	0.0
133	25	0.06	0.36	-1.62	-3.08e-03	4.76e-04	0.0
133	27	-0.11	0.38	-1.53	-3.15e-03	2.72e-04	0.0
133	38	0.11	-0.03	-0.75	2.27e-04	4.02e-05	0.0
133	57	0.02	0.13	-1.09	-1.15e-03	1.53e-04	0.0
133	59	-0.04	0.14	-1.06	-1.18e-03	7.88e-05	0.0
133	69	6.16e-04	1.34e-03	-0.79	-6.70e-05	-3.00e-05	0.0
133	70	6.16e-04	1.34e-03	-0.79	-6.70e-05	-3.00e-05	0.0
133	71	3.23e-04	1.66e-03	-0.86	-8.36e-05	-6.44e-05	0.0
133	72	6.16e-04	1.34e-03	-0.79	-6.70e-05	-3.00e-05	0.0
133	73	5.57e-04	1.40e-03	-0.80	-7.03e-05	-3.69e-05	0.0
133	74	6.16e-04	1.34e-03	-0.79	-6.70e-05	-3.00e-05	0.0
134	2	-4.89e-04	2.85e-03	-1.14	-1.46e-04	-1.35e-04	0.0
134	4	-4.93e-04	2.33e-03	-0.90	-1.20e-04	-1.17e-04	0.0
134	6	0.29	-0.07	-0.68	7.03e-04	1.64e-04	0.0
134	21	0.06	0.36	-1.58	-3.06e-03	3.57e-04	0.0
134	25	0.06	0.34	-1.59	-3.00e-03	3.63e-04	0.0
134	38	0.11	-0.03	-0.75	1.97e-04	2.04e-05	0.0
134	53	0.02	0.13	-1.08	-1.16e-03	8.97e-05	0.0
134	57	0.02	0.13	-1.08	-1.14e-03	9.20e-05	0.0
134	69	1.28e-05	1.73e-03	-0.79	-8.80e-05	-6.12e-05	0.0
134	71	-3.24e-04	2.13e-03	-0.87	-1.09e-04	-9.81e-05	0.0
134	73	-5.46e-05	1.81e-03	-0.81	-9.23e-05	-6.85e-05	0.0
134	74	1.28e-05	1.73e-03	-0.79	-8.80e-05	-6.12e-05	0.0
135	2	2.67e-03	2.79e-03	-1.15	-1.57e-04	4.32e-05	0.0
135	6	0.29	-0.07	-0.64	6.70e-04	3.11e-04	0.0
135	25	0.06	0.33	-1.53	-2.89e-03	4.27e-04	0.0
135	27	-0.11	0.34	-1.49	-2.94e-03	2.05e-04	0.0
135	38	0.11	-0.03	-0.74	1.82e-04	1.38e-04	0.0
135	57	0.02	0.12	-1.06	-1.10e-03	1.79e-04	0.0
135	59	-0.04	0.12	-1.05	-1.12e-03	9.93e-05	0.0
135	69	1.80e-03	1.67e-03	-0.80	-9.40e-05	3.97e-05	0.0
135	71	2.02e-03	2.08e-03	-0.88	-1.17e-04	3.41e-05	0.0
135	73	1.84e-03	1.75e-03	-0.81	-9.86e-05	3.86e-05	0.0
135	74	1.80e-03	1.67e-03	-0.80	-9.40e-05	3.97e-05	0.0
136	2	4.18e-03	3.00e-03	-1.14	-1.54e-04	1.07e-04	0.0
136	9	0.29	0.08	-1.01	-6.98e-04	3.35e-04	0.0
136	21	0.06	0.33	-1.49	-2.76e-03	4.64e-04	0.0
136	25	0.06	0.32	-1.49	-2.77e-03	4.71e-04	0.0
136	41	0.11	0.03	-0.87	-3.11e-04	1.70e-04	0.0
136	53	0.02	0.12	-1.04	-1.05e-03	2.16e-04	0.0
136	57	0.02	0.11	-1.05	-1.06e-03	2.19e-04	0.0
136	69	2.68e-03	1.80e-03	-0.79	-9.20e-05	7.61e-05	0.0
136	71	3.15e-03	2.24e-03	-0.87	-1.15e-04	8.11e-05	0.0

136	73	2.77e-03	1.89e-03	-0.81	-9.66e-05	7.71e-05	0.0
136	74	2.68e-03	1.80e-03	-0.79	-9.20e-05	7.61e-05	0.0
137	2	3.35e-03	2.46e-03	-1.14	-1.24e-04	6.51e-05	0.0
137	9	0.29	0.08	-0.99	-6.73e-04	2.26e-04	0.0
137	21	0.06	0.32	-1.46	-2.63e-03	3.82e-04	0.0
137	25	0.06	0.30	-1.46	-2.63e-03	3.89e-04	0.0
137	41	0.11	0.03	-0.86	-2.90e-04	1.14e-04	0.0
137	53	0.02	0.12	-1.03	-9.96e-04	1.70e-04	0.0
137	57	0.02	0.11	-1.03	-9.97e-04	1.72e-04	0.0
137	69	2.15e-03	1.47e-03	-0.79	-7.39e-05	4.95e-05	0.0
137	71	2.52e-03	1.84e-03	-0.86	-9.24e-05	5.00e-05	0.0
137	73	2.22e-03	1.54e-03	-0.80	-7.76e-05	4.96e-05	0.0
137	74	2.15e-03	1.47e-03	-0.79	-7.39e-05	4.95e-05	0.0
138	2	1.75e-03	2.21e-03	-1.13	-1.11e-04	-1.50e-05	0.0
138	6	0.29	-0.07	-0.61	6.21e-04	3.31e-05	0.0
138	21	0.06	0.31	-1.43	-2.57e-03	2.67e-04	0.0
138	25	0.06	0.29	-1.43	-2.53e-03	2.74e-04	0.0
138	38	0.10	-0.02	-0.72	1.82e-04	1.26e-05	0.0
138	53	0.02	0.11	-1.02	-9.69e-04	9.64e-05	0.0
138	57	0.02	0.11	-1.02	-9.56e-04	9.89e-05	0.0
138	69	1.16e-03	1.32e-03	-0.78	-6.61e-05	0.0	0.0
138	71	1.32e-03	1.65e-03	-0.86	-8.27e-05	-1.00e-05	0.0
138	73	1.20e-03	1.39e-03	-0.80	-6.94e-05	-1.96e-06	0.0
138	74	1.16e-03	1.32e-03	-0.78	-6.61e-05	0.0	0.0
139	1	2.29e-04	1.84e-03	-1.02	-9.23e-05	-6.49e-05	0.0
139	2	1.33e-04	2.37e-03	-1.14	-1.19e-04	-9.65e-05	0.0
139	6	0.29	-0.07	-0.61	6.13e-04	0.0	0.0
139	25	0.06	0.29	-1.42	-2.52e-03	1.60e-04	0.0
139	27	-0.11	0.30	-1.40	-2.48e-03	8.64e-05	0.0
139	38	0.10	-0.02	-0.72	1.76e-04	-3.15e-05	0.0
139	57	0.02	0.10	-1.01	-9.53e-04	2.60e-05	0.0
139	59	-0.04	0.11	-1.01	-9.41e-04	0.0	0.0
139	69	1.76e-04	1.42e-03	-0.79	-7.10e-05	-4.99e-05	0.0
139	70	1.76e-04	1.42e-03	-0.79	-7.10e-05	-4.99e-05	0.0
139	71	1.12e-04	1.77e-03	-0.86	-8.89e-05	-7.10e-05	0.0
139	72	1.76e-04	1.42e-03	-0.79	-7.10e-05	-4.99e-05	0.0
139	73	1.63e-04	1.49e-03	-0.80	-7.46e-05	-5.41e-05	0.0
139	74	1.76e-04	1.42e-03	-0.79	-7.10e-05	-4.99e-05	0.0
140	2	-6.79e-04	2.66e-03	-1.15	-1.37e-04	-1.39e-04	0.0
140	7	-0.29	0.07	-0.96	-7.64e-04	-2.18e-04	0.0
140	21	0.06	0.29	-1.41	-2.51e-03	9.63e-05	0.0
140	39	-0.10	0.03	-0.85	-3.28e-04	-1.28e-04	0.0
140	53	0.02	0.10	-1.01	-9.57e-04	-1.41e-05	0.0
140	69	-3.24e-04	1.59e-03	-0.79	-8.18e-05	-7.64e-05	0.0
140	71	-4.96e-04	1.98e-03	-0.87	-1.02e-04	-1.03e-04	0.0
140	73	-3.58e-04	1.67e-03	-0.81	-8.59e-05	-8.17e-05	0.0
140	74	-3.24e-04	1.59e-03	-0.79	-8.18e-05	-7.64e-05	0.0
141	2	1.25e-03	2.66e-03	-1.16	-1.41e-04	-3.41e-05	0.0
141	9	0.29	0.08	-0.92	-7.10e-04	1.97e-04	0.0
141	23	-0.11	0.26	-1.41	-2.45e-03	7.48e-05	0.0
141	27	-0.10	0.27	-1.40	-2.45e-03	7.00e-05	0.0
141	41	0.11	0.03	-0.84	-3.10e-04	6.23e-05	0.0
141	55	-0.04	0.10	-1.02	-9.39e-04	1.80e-05	0.0
141	59	-0.04	0.10	-1.02	-9.38e-04	1.63e-05	0.0
141	69	8.31e-04	1.59e-03	-0.80	-8.44e-05	-1.40e-05	0.0
141	71	9.47e-04	1.99e-03	-0.88	-1.05e-04	-2.46e-05	0.0
141	73	8.54e-04	1.67e-03	-0.82	-8.86e-05	-1.61e-05	0.0
141	74	8.31e-04	1.59e-03	-0.80	-8.44e-05	-1.40e-05	0.0
142	2	1.11e-03	2.70e-03	-1.17	-1.36e-04	-4.58e-05	0.0
142	9	0.29	0.08	-0.92	-6.69e-04	4.59e-05	0.0
142	21	0.06	0.26	-1.37	-2.34e-03	1.57e-04	0.0
142	23	-0.10	0.26	-1.40	-2.38e-03	1.26e-04	0.0
142	41	0.10	0.03	-0.84	-2.93e-04	3.22e-06	0.0
142	53	0.02	0.09	-1.00	-8.97e-04	4.30e-05	0.0
142	55	-0.04	0.09	-1.01	-9.10e-04	3.17e-05	0.0
142	69	7.42e-04	1.61e-03	-0.80	-8.12e-05	-2.12e-05	0.0
142	71	8.37e-04	2.02e-03	-0.88	-1.02e-04	-3.34e-05	0.0
142	73	7.61e-04	1.69e-03	-0.82	-8.53e-05	-2.37e-05	0.0
142	74	7.42e-04	1.61e-03	-0.80	-8.12e-05	-2.12e-05	0.0
143	1	1.23e-04	2.03e-03	-1.04	-1.02e-04	-7.04e-05	0.0
143	2	3.11e-05	2.62e-03	-1.17	-1.32e-04	-1.00e-04	0.0
143	9	0.29	0.07	-0.92	-6.80e-04	-7.33e-05	0.0
143	23	-0.10	0.25	-1.39	-2.30e-03	7.45e-05	0.0
143	41	0.10	0.03	-0.84	-2.95e-04	-6.14e-05	0.0
143	55	-0.04	0.09	-1.01	-8.80e-04	-7.69e-06	0.0
143	69	9.46e-05	1.56e-03	-0.80	-7.82e-05	-5.42e-05	0.0

143	70	9.46e-05	1.56e-03	-0.80	-7.82e-05	-5.42e-05	0.0
143	71	3.33e-05	1.96e-03	-0.89	-9.82e-05	-7.41e-05	0.0
143	72	9.46e-05	1.56e-03	-0.80	-7.82e-05	-5.42e-05	0.0
143	73	8.23e-05	1.64e-03	-0.82	-8.22e-05	-5.82e-05	0.0
143	74	9.46e-05	1.56e-03	-0.80	-7.82e-05	-5.42e-05	0.0
144	2	-1.04e-03	2.95e-03	-1.18	-1.48e-04	-1.54e-04	0.0
144	12	-0.29	-0.07	-0.69	5.35e-04	-2.59e-05	0.0
144	23	-0.10	0.24	-1.38	-2.27e-03	-5.80e-06	0.0
144	33	0.11	0.25	-1.35	-2.22e-03	-1.76e-04	0.0
144	44	-0.10	-0.02	-0.77	1.37e-04	-6.48e-05	0.0
144	55	-0.04	0.09	-1.02	-8.75e-04	-5.77e-05	0.0
144	65	0.04	0.09	-1.00	-8.58e-04	-1.19e-04	0.0
144	69	-5.54e-04	1.75e-03	-0.81	-8.80e-05	-8.71e-05	0.0
144	71	-7.68e-04	2.20e-03	-0.90	-1.11e-04	-1.15e-04	0.0
144	73	-5.96e-04	1.84e-03	-0.83	-9.25e-05	-9.26e-05	0.0
144	74	-5.54e-04	1.75e-03	-0.81	-8.80e-05	-8.71e-05	0.0
145	2	-1.41e-03	3.69e-03	-1.19	-1.87e-04	-1.73e-04	0.0
145	12	-0.29	-0.07	-0.70	5.51e-04	-3.33e-05	0.0
145	33	0.11	0.26	-1.36	-2.29e-03	-2.29e-04	0.0
145	35	-0.06	0.26	-1.39	-2.29e-03	-2.09e-04	0.0
145	44	-0.10	-0.02	-0.77	1.28e-04	-7.52e-05	0.0
145	65	0.04	0.09	-1.01	-8.97e-04	-1.46e-04	0.0
145	67	-0.02	0.09	-1.02	-8.95e-04	-1.39e-04	0.0
145	69	-7.88e-04	2.19e-03	-0.82	-1.11e-04	-9.92e-05	0.0
145	71	-1.04e-03	2.75e-03	-0.91	-1.39e-04	-1.29e-04	0.0
145	73	-8.39e-04	2.30e-03	-0.83	-1.16e-04	-1.05e-04	0.0
145	74	-7.88e-04	2.19e-03	-0.82	-1.11e-04	-9.92e-05	0.0
146	2	-2.26e-04	4.56e-03	-1.21	-2.37e-04	-1.15e-04	0.0
146	12	-0.29	-0.07	-0.70	5.55e-04	-6.27e-05	0.0
146	31	-0.06	0.27	-1.41	-2.38e-03	-2.34e-04	0.0
146	35	-0.06	0.26	-1.41	-2.38e-03	-2.40e-04	0.0
146	44	-0.10	-0.02	-0.78	1.11e-04	-6.48e-05	0.0
146	63	-0.02	0.10	-1.03	-9.47e-04	-1.27e-04	0.0
146	67	-0.02	0.10	-1.04	-9.48e-04	-1.29e-04	0.0
146	69	-1.04e-04	2.70e-03	-0.82	-1.40e-04	-6.58e-05	0.0
146	71	-1.65e-04	3.40e-03	-0.92	-1.77e-04	-8.56e-05	0.0
146	73	-1.16e-04	2.84e-03	-0.84	-1.47e-04	-6.98e-05	0.0
146	74	-1.04e-04	2.70e-03	-0.82	-1.40e-04	-6.58e-05	0.0
147	2	4.42e-03	3.46e-03	-1.21	-2.19e-04	9.29e-05	0.0
147	9	0.29	0.08	-0.94	-8.06e-04	1.85e-04	0.0
147	33	0.11	0.28	-1.39	-2.44e-03	-7.14e-06	0.0
147	35	-0.05	0.27	-1.43	-2.46e-03	-1.14e-04	0.0
147	41	0.11	0.03	-0.87	-3.73e-04	1.03e-04	0.0
147	65	0.04	0.10	-1.03	-9.62e-04	3.35e-05	0.0
147	67	-0.02	0.10	-1.04	-9.69e-04	-5.02e-06	0.0
147	69	2.63e-03	2.05e-03	-0.83	-1.30e-04	5.65e-05	0.0
147	71	3.30e-03	2.58e-03	-0.92	-1.63e-04	6.94e-05	0.0
147	73	2.77e-03	2.15e-03	-0.84	-1.36e-04	5.91e-05	0.0
147	74	2.63e-03	2.05e-03	-0.83	-1.30e-04	5.65e-05	0.0
148	2	0.01	3.64e-03	-1.15	-2.04e-04	6.51e-04	0.0
148	9	0.30	0.08	-0.89	-7.90e-04	4.23e-04	0.0
148	33	0.12	0.30	-1.36	-2.45e-03	3.38e-04	0.0
148	35	-0.04	0.29	-1.41	-2.48e-03	2.92e-04	0.0
148	41	0.11	0.03	-0.82	-3.62e-04	3.98e-04	0.0
148	65	0.05	0.11	-0.99	-9.60e-04	3.67e-04	0.0
148	67	-1.00e-02	0.11	-1.01	-9.72e-04	3.51e-04	0.0
148	69	8.54e-03	2.16e-03	-0.79	-1.21e-04	3.84e-04	0.0
148	71	0.01	2.71e-03	-0.87	-1.52e-04	4.85e-04	0.0
148	73	8.99e-03	2.27e-03	-0.81	-1.27e-04	4.04e-04	0.0
148	74	8.54e-03	2.16e-03	-0.79	-1.21e-04	3.84e-04	0.0
149	2	0.02	2.76e-03	-1.09	-1.42e-04	7.23e-04	0.0
149	9	0.29	0.08	-0.85	-7.39e-04	3.18e-04	0.0
149	33	0.12	0.31	-1.33	-2.40e-03	2.78e-04	0.0
149	35	-0.04	0.30	-1.38	-2.45e-03	3.08e-04	0.0
149	41	0.11	0.03	-0.79	-3.19e-04	3.85e-04	0.0
149	65	0.05	0.11	-0.96	-9.19e-04	3.71e-04	0.0
149	67	-9.05e-03	0.11	-0.98	-9.35e-04	3.82e-04	0.0
149	69	9.43e-03	1.61e-03	-0.75	-8.26e-05	4.24e-04	0.0
149	71	0.01	2.06e-03	-0.83	-1.05e-04	5.39e-04	0.0
149	73	9.93e-03	1.70e-03	-0.77	-8.72e-05	4.47e-04	0.0
149	74	9.43e-03	1.61e-03	-0.75	-8.26e-05	4.24e-04	0.0
150	2	0.01	1.04e-03	-1.03	-5.41e-05	6.35e-04	0.0
150	9	0.29	0.08	-0.83	-7.04e-04	2.07e-04	0.0
150	33	0.12	0.32	-1.31	-2.39e-03	1.36e-04	0.0
150	35	-0.04	0.31	-1.36	-2.43e-03	1.82e-04	0.0
150	41	0.11	0.03	-0.76	-2.73e-04	3.09e-04	0.0

150	65	0.05	0.11	-0.93	-8.83e-04	2.84e-04	0.0
150	67	-0.01	0.11	-0.95	-8.97e-04	3.01e-04	0.0
150	69	8.30e-03	5.89e-04	-0.72	-3.05e-05	3.68e-04	0.0
150	71	0.01	7.73e-04	-0.78	-4.02e-05	4.72e-04	0.0
150	73	8.77e-03	6.26e-04	-0.73	-3.25e-05	3.89e-04	0.0
150	74	8.30e-03	5.89e-04	-0.72	-3.05e-05	3.68e-04	0.0
151	2	0.01	-3.17e-04	-0.98	1.42e-05	4.41e-04	0.0
151	9	0.29	0.07	-0.82	-6.76e-04	5.95e-05	0.0
151	35	-0.05	0.32	-1.35	-2.47e-03	-2.20e-05	0.0
151	36	-0.10	-0.33	-0.08	2.45e-03	5.69e-04	0.0
151	41	0.11	0.03	-0.74	-2.37e-04	1.80e-04	0.0
151	67	-0.01	0.11	-0.93	-8.84e-04	1.52e-04	0.0
151	68	-0.03	-0.12	-0.47	8.91e-04	3.65e-04	0.0
151	69	5.92e-03	-2.18e-04	-0.69	1.01e-05	2.49e-04	0.0
151	71	7.72e-03	-2.40e-04	-0.75	1.08e-05	3.27e-04	0.0
151	73	6.28e-03	-2.22e-04	-0.70	1.02e-05	2.65e-04	0.0
151	74	5.92e-03	-2.18e-04	-0.69	1.01e-05	2.49e-04	0.0
152	2	5.06e-03	-1.21e-03	-0.95	5.92e-05	1.76e-04	0.0
152	9	0.29	0.08	-0.82	-6.64e-04	-1.15e-04	0.0
152	30	0.06	-0.34	0.01	2.63e-03	4.50e-04	0.0
152	35	-0.05	0.33	-1.37	-2.52e-03	-2.78e-04	0.0
152	41	0.11	0.03	-0.73	-2.16e-04	1.28e-05	0.0
152	62	0.02	-0.12	-0.43	9.73e-04	2.18e-04	0.0
152	67	-0.02	0.12	-0.92	-8.85e-04	-4.33e-05	0.0
152	69	2.68e-03	-7.45e-04	-0.68	3.66e-05	8.79e-05	0.0
152	71	3.73e-03	-9.06e-04	-0.73	4.44e-05	1.29e-04	0.0
152	73	2.89e-03	-7.78e-04	-0.69	3.82e-05	9.62e-05	0.0
152	74	2.68e-03	-7.45e-04	-0.68	3.66e-05	8.79e-05	0.0
153	1	-1.43e-03	-1.29e-03	-0.88	6.39e-05	-1.31e-04	0.0
153	2	-1.18e-03	-1.64e-03	-0.95	8.10e-05	-1.35e-04	0.0
153	12	-0.29	-0.08	-0.53	7.74e-04	1.31e-04	0.0
153	30	0.06	-0.36	0.05	2.80e-03	3.57e-04	0.0
153	35	-0.06	0.34	-1.41	-2.65e-03	-5.55e-04	0.0
153	44	-0.10	-0.03	-0.62	3.11e-04	-1.42e-05	0.0
153	62	0.02	-0.13	-0.41	1.04e-03	6.36e-05	0.0
153	67	-0.02	0.12	-0.94	-9.25e-04	-2.64e-04	0.0
153	69	-1.10e-03	-9.94e-04	-0.68	4.92e-05	-1.01e-04	0.0
153	70	-1.10e-03	-9.94e-04	-0.68	4.92e-05	-1.01e-04	0.0
153	71	-9.31e-04	-1.23e-03	-0.72	6.06e-05	-1.03e-04	0.0
153	72	-1.10e-03	-9.94e-04	-0.68	4.92e-05	-1.01e-04	0.0
153	73	-1.07e-03	-1.04e-03	-0.69	5.14e-05	-1.01e-04	0.0
153	74	-1.10e-03	-9.94e-04	-0.68	4.92e-05	-1.01e-04	0.0
154	2	-7.83e-03	-1.60e-03	-0.98	7.94e-05	-4.66e-04	0.0
154	12	-0.29	-0.08	-0.53	1.03e-03	-2.62e-04	0.0
154	30	0.05	-0.38	0.08	2.92e-03	3.19e-04	0.0
154	35	-0.06	0.36	-1.47	-2.83e-03	-9.30e-04	0.0
154	44	-0.11	-0.03	-0.64	4.02e-04	-2.90e-04	0.0
154	62	0.02	-0.14	-0.41	1.08e-03	-7.71e-05	0.0
154	67	-0.03	0.13	-0.97	-9.92e-04	-5.29e-04	0.0
154	69	-5.13e-03	-9.59e-04	-0.69	4.76e-05	-3.01e-04	0.0
154	71	-5.90e-03	-1.20e-03	-0.74	5.93e-05	-3.51e-04	0.0
154	73	-5.29e-03	-1.01e-03	-0.70	4.99e-05	-3.11e-04	0.0
154	74	-5.13e-03	-9.59e-04	-0.69	4.76e-05	-3.01e-04	0.0
155	2	-0.01	-1.07e-03	-1.03	5.34e-05	-7.93e-04	0.0
155	12	-0.30	-0.08	-0.57	1.10e-03	-5.16e-04	0.0
155	30	0.05	-0.39	0.11	3.12e-03	2.30e-04	0.0
155	35	-0.07	0.37	-1.57	-3.07e-03	-1.24e-03	0.0
155	44	-0.11	-0.03	-0.67	4.16e-04	-5.07e-04	0.0
155	62	0.01	-0.14	-0.43	1.15e-03	-2.35e-04	0.0
155	67	-0.03	0.13	-1.03	-1.09e-03	-7.66e-04	0.0
155	69	-9.10e-03	-6.25e-04	-0.73	3.12e-05	-4.99e-04	0.0
155	71	-0.01	-7.98e-04	-0.78	3.98e-05	-5.95e-04	0.0
155	73	-9.44e-03	-6.59e-04	-0.74	3.29e-05	-5.18e-04	0.0
155	74	-9.10e-03	-6.25e-04	-0.73	3.12e-05	-4.99e-04	0.0
156	1	-0.02	3.98e-05	-1.01	-1.16e-06	-8.79e-04	0.0
156	2	-0.02	-1.20e-05	-1.11	1.75e-06	-1.09e-03	0.0
156	12	-0.30	-0.08	-0.62	8.78e-04	-7.70e-04	0.0
156	31	-0.07	0.41	-1.68	-3.45e-03	-1.51e-03	0.0
156	35	-0.07	0.39	-1.68	-3.37e-03	-1.52e-03	0.0
156	44	-0.12	-0.03	-0.72	3.16e-04	-7.12e-04	0.0
156	63	-0.03	0.15	-1.10	-1.25e-03	-9.77e-04	0.0
156	67	-0.03	0.14	-1.10	-1.22e-03	-9.81e-04	0.0
156	69	-0.01	3.06e-05	-0.78	0.0	-6.76e-04	0.0
156	70	-0.01	3.06e-05	-0.78	0.0	-6.76e-04	0.0
156	71	-0.02	-3.90e-06	-0.84	1.05e-06	-8.14e-04	0.0
156	72	-0.01	3.06e-05	-0.78	0.0	-6.76e-04	0.0

156	73	-0.01	2.37e-05	-0.79	0.0	-7.04e-04	0.0
156	74	-0.01	3.06e-05	-0.78	0.0	-6.76e-04	0.0
157	2	-0.02	1.96e-03	-1.21	-8.70e-05	-1.31e-03	0.0
157	12	-0.31	-0.08	-0.69	9.17e-04	-1.01e-03	0.0
157	33	0.09	0.43	-1.73	-3.84e-03	-1.41e-03	0.0
157	35	-0.07	0.41	-1.82	-3.75e-03	-1.68e-03	0.0
157	44	-0.12	-0.03	-0.79	2.96e-04	-8.81e-04	0.0
157	65	0.02	0.16	-1.16	-1.42e-03	-1.02e-03	0.0
157	67	-0.04	0.15	-1.20	-1.39e-03	-1.12e-03	0.0
157	69	-0.02	1.21e-03	-0.84	-5.46e-05	-8.07e-04	0.0
157	71	-0.02	1.47e-03	-0.92	-6.53e-05	-9.78e-04	0.0
157	73	-0.02	1.26e-03	-0.86	-5.67e-05	-8.41e-04	0.0
157	74	-0.02	1.21e-03	-0.84	-5.46e-05	-8.07e-04	0.0
158	2	-0.03	2.31e-03	-1.33	-1.24e-04	-1.36e-03	0.0
158	12	-0.31	-0.09	-0.78	9.54e-04	-1.20e-03	0.0
158	33	0.10	0.45	-1.84	-4.08e-03	-1.20e-03	0.0
158	35	-0.07	0.42	-1.97	-3.98e-03	-1.53e-03	0.0
158	44	-0.12	-0.03	-0.87	2.95e-04	-9.67e-04	0.0
158	65	0.03	0.16	-1.25	-1.52e-03	-9.66e-04	0.0
158	67	-0.04	0.15	-1.29	-1.48e-03	-1.09e-03	0.0
158	69	-0.02	1.44e-03	-0.91	-7.74e-05	-8.34e-04	0.0
158	71	-0.02	1.73e-03	-1.01	-9.31e-05	-1.02e-03	0.0
158	73	-0.02	1.50e-03	-0.93	-8.06e-05	-8.71e-04	0.0
158	74	-0.02	1.44e-03	-0.91	-7.74e-05	-8.34e-04	0.0
159	2	-0.02	3.09e-03	-1.43	-1.72e-04	-1.32e-03	0.0
159	12	-0.31	-0.09	-0.97	9.57e-04	-1.22e-03	0.0
159	33	0.09	0.47	-1.63	-4.23e-03	-1.03e-03	0.0
159	35	-0.08	0.44	-1.77	-4.11e-03	-1.35e-03	0.0
159	44	-0.12	-0.03	-0.97	2.77e-04	-9.59e-04	0.0
159	65	0.02	0.17	-1.21	-1.59e-03	-8.87e-04	0.0
159	67	-0.04	0.16	-1.26	-1.55e-03	-1.01e-03	0.0
159	69	-0.02	1.94e-03	-0.97	-1.07e-04	-8.09e-04	0.0
159	71	-0.02	2.32e-03	-1.08	-1.29e-04	-9.86e-04	0.0
159	73	-0.02	2.02e-03	-0.99	-1.11e-04	-8.45e-04	0.0
159	74	-0.02	1.94e-03	-0.97	-1.07e-04	-8.09e-04	0.0
160	2	-0.02	3.43e-03	-1.41	-1.75e-04	-1.30e-03	0.0
160	7	-0.30	0.11	-1.28	-1.20e-03	-1.37e-03	0.0
160	33	0.08	0.46	-1.32	-4.09e-03	-9.11e-04	0.0
160	35	-0.09	0.44	-1.46	-3.98e-03	-1.22e-03	0.0
160	39	-0.12	0.04	-1.08	-5.00e-04	-1.01e-03	0.0
160	65	0.02	0.17	-1.09	-1.54e-03	-8.39e-04	0.0
160	67	-0.04	0.16	-1.14	-1.50e-03	-9.52e-04	0.0
160	69	-0.02	2.12e-03	-0.96	-1.08e-04	-7.98e-04	0.0
160	71	-0.02	2.57e-03	-1.07	-1.31e-04	-9.72e-04	0.0
160	73	-0.02	2.21e-03	-0.98	-1.12e-04	-8.33e-04	0.0
160	74	-0.02	2.12e-03	-0.96	-1.08e-04	-7.98e-04	0.0
161	2	-0.02	1.31e-03	-1.40	-6.75e-05	-1.26e-03	0.0
161	12	-0.30	-0.09	-1.13	9.54e-04	-1.24e-03	0.0
161	19	-0.30	0.09	-1.22	-1.02e-03	-1.28e-03	0.0
161	33	0.07	0.46	-1.03	-3.89e-03	-7.02e-04	0.0
161	44	-0.12	-0.03	-1.02	3.18e-04	-9.43e-04	0.0
161	51	-0.12	0.03	-1.05	-3.94e-04	-9.60e-04	0.0
161	65	0.02	0.17	-0.98	-1.43e-03	-7.48e-04	0.0
161	69	-0.01	8.08e-04	-0.96	-4.14e-05	-7.75e-04	0.0
161	71	-0.02	9.82e-04	-1.06	-5.05e-05	-9.42e-04	0.0
161	73	-0.02	8.43e-04	-0.98	-4.32e-05	-8.09e-04	0.0
161	74	-0.01	8.08e-04	-0.96	-4.14e-05	-7.75e-04	0.0
162	2	-0.02	-1.31e-03	-1.40	6.74e-05	-1.26e-03	0.0
162	12	-0.30	-0.09	-1.22	1.02e-03	-1.28e-03	0.0
162	19	-0.30	0.09	-1.13	-9.54e-04	-1.24e-03	0.0
162	30	0.07	-0.46	-1.03	3.89e-03	-7.02e-04	0.0
162	44	-0.12	-0.03	-1.05	3.94e-04	-9.60e-04	0.0
162	51	-0.12	0.03	-1.02	-3.18e-04	-9.43e-04	0.0
162	62	0.02	-0.17	-0.98	1.43e-03	-7.48e-04	0.0
162	69	-0.01	-8.09e-04	-0.96	4.14e-05	-7.75e-04	0.0
162	71	-0.02	-9.83e-04	-1.06	5.05e-05	-9.42e-04	0.0
162	73	-0.02	-8.44e-04	-0.98	4.32e-05	-8.09e-04	0.0
162	74	-0.01	-8.09e-04	-0.96	4.14e-05	-7.75e-04	0.0
163	2	-0.02	-3.43e-03	-1.41	1.75e-04	-1.30e-03	0.0
163	16	-0.30	-0.11	-1.28	1.20e-03	-1.37e-03	0.0
163	30	0.08	-0.46	-1.32	4.09e-03	-9.11e-04	0.0
163	32	-0.09	-0.44	-1.46	3.98e-03	-1.22e-03	0.0
163	48	-0.12	-0.04	-1.08	5.00e-04	-1.01e-03	0.0
163	62	0.02	-0.17	-1.09	1.54e-03	-8.39e-04	0.0
163	64	-0.04	-0.16	-1.14	1.50e-03	-9.52e-04	0.0
163	69	-0.02	-2.11e-03	-0.96	1.08e-04	-7.98e-04	0.0

163	71	-0.02	-2.57e-03	-1.07	1.31e-04	-9.72e-04	0.0
163	73	-0.02	-2.20e-03	-0.98	1.12e-04	-8.33e-04	0.0
163	74	-0.02	-2.11e-03	-0.96	1.08e-04	-7.98e-04	0.0
164	2	-0.02	-3.08e-03	-1.43	1.72e-04	-1.32e-03	0.0
164	19	-0.31	0.09	-0.97	-9.57e-04	-1.22e-03	0.0
164	30	0.09	-0.47	-1.63	4.23e-03	-1.03e-03	0.0
164	32	-0.08	-0.44	-1.77	4.11e-03	-1.35e-03	0.0
164	51	-0.12	0.03	-0.97	-2.77e-04	-9.59e-04	0.0
164	62	0.02	-0.17	-1.21	1.59e-03	-8.87e-04	0.0
164	64	-0.04	-0.16	-1.26	1.55e-03	-1.01e-03	0.0
164	69	-0.02	-1.94e-03	-0.97	1.07e-04	-8.09e-04	0.0
164	71	-0.02	-2.31e-03	-1.08	1.29e-04	-9.87e-04	0.0
164	73	-0.02	-2.01e-03	-0.99	1.11e-04	-8.45e-04	0.0
164	74	-0.02	-1.94e-03	-0.97	1.07e-04	-8.09e-04	0.0
165	2	-4.89e-03	2.93e-05	-0.97	-1.37e-06	-3.19e-04	0.0
165	19	-0.28	0.08	-0.72	-7.52e-04	-2.97e-04	0.0
165	32	-0.08	-0.35	-0.84	2.77e-03	-3.47e-04	0.0
165	33	0.07	0.37	-0.54	-2.83e-03	-7.74e-05	0.0
165	51	-0.10	0.03	-0.70	-2.72e-04	-2.45e-04	0.0
165	64	-0.03	-0.13	-0.74	1.00e-03	-2.61e-04	0.0
165	65	0.02	0.13	-0.63	-1.02e-03	-1.62e-04	0.0
165	69	-3.33e-03	1.57e-05	-0.69	0.0	-2.12e-04	0.0
165	71	-3.71e-03	2.16e-05	-0.74	-1.01e-06	-2.41e-04	0.0
165	73	-3.41e-03	1.69e-05	-0.70	0.0	-2.17e-04	0.0
165	74	-3.33e-03	1.57e-05	-0.69	0.0	-2.12e-04	0.0
166	2	-0.02	5.63e-04	-1.14	-2.78e-05	-1.08e-03	0.0
166	12	-0.29	-0.08	-0.87	8.64e-04	-9.93e-04	0.0
166	31	-0.09	0.42	-0.99	-3.43e-03	-8.82e-04	0.0
166	35	-0.09	0.39	-0.99	-3.35e-03	-8.84e-04	0.0
166	44	-0.11	-0.03	-0.82	3.00e-04	-7.88e-04	0.0
166	63	-0.04	0.15	-0.86	-1.25e-03	-7.46e-04	0.0
166	67	-0.04	0.14	-0.87	-1.22e-03	-7.47e-04	0.0
166	69	-0.01	3.55e-04	-0.80	-1.76e-05	-6.69e-04	0.0
166	71	-0.02	4.22e-04	-0.87	-2.09e-05	-8.08e-04	0.0
166	73	-0.01	3.69e-04	-0.81	-1.83e-05	-6.97e-04	0.0
166	74	-0.01	3.55e-04	-0.80	-1.76e-05	-6.69e-04	0.0
167	2	-0.01	-5.52e-05	-1.01	2.70e-06	-6.05e-04	0.0
167	19	-0.29	0.08	-0.75	-7.90e-04	-5.35e-04	0.0
167	32	-0.09	-0.36	-0.88	2.96e-03	-5.58e-04	0.0
167	36	-0.09	-0.38	-0.88	3.02e-03	-5.56e-04	0.0
167	51	-0.11	0.03	-0.73	-2.84e-04	-4.41e-04	0.0
167	64	-0.04	-0.13	-0.77	1.07e-03	-4.48e-04	0.0
167	68	-0.04	-0.14	-0.77	1.09e-03	-4.47e-04	0.0
167	69	-6.81e-03	-3.89e-05	-0.71	1.91e-06	-3.85e-04	0.0
167	71	-8.00e-03	-4.20e-05	-0.77	2.05e-06	-4.55e-04	0.0
167	73	-7.05e-03	-3.95e-05	-0.72	1.94e-06	-3.99e-04	0.0
167	74	-6.81e-03	-3.89e-05	-0.71	1.91e-06	-3.85e-04	0.0
168	2	-0.02	-2.55e-04	-1.06	1.24e-05	-8.68e-04	0.0
168	19	-0.29	0.08	-0.80	-8.29e-04	-7.76e-04	0.0
168	32	-0.09	-0.38	-0.93	3.16e-03	-7.47e-04	0.0
168	36	-0.09	-0.40	-0.93	3.23e-03	-7.45e-04	0.0
168	51	-0.11	0.03	-0.77	-2.94e-04	-6.29e-04	0.0
168	64	-0.04	-0.14	-0.81	1.14e-03	-6.17e-04	0.0
168	68	-0.04	-0.14	-0.81	1.17e-03	-6.17e-04	0.0
168	69	-1.00e-02	-1.64e-04	-0.75	8.04e-06	-5.43e-04	0.0
168	71	-0.01	-1.92e-04	-0.81	9.37e-06	-6.51e-04	0.0
168	73	-0.01	-1.70e-04	-0.76	8.30e-06	-5.65e-04	0.0
168	74	-1.00e-02	-1.64e-04	-0.75	8.04e-06	-5.43e-04	0.0
169	2	-0.02	-5.61e-04	-1.14	2.77e-05	-1.08e-03	0.0
169	19	-0.29	0.08	-0.87	-8.64e-04	-9.93e-04	0.0
169	32	-0.09	-0.39	-0.99	3.35e-03	-8.83e-04	0.0
169	36	-0.09	-0.42	-0.99	3.43e-03	-8.81e-04	0.0
169	51	-0.11	0.03	-0.82	-3.00e-04	-7.87e-04	0.0
169	64	-0.04	-0.14	-0.87	1.22e-03	-7.47e-04	0.0
169	68	-0.04	-0.15	-0.86	1.25e-03	-7.46e-04	0.0
169	69	-0.01	-3.55e-04	-0.80	1.75e-05	-6.69e-04	0.0
169	71	-0.02	-4.22e-04	-0.87	2.08e-05	-8.08e-04	0.0
169	73	-0.01	-3.68e-04	-0.81	1.82e-05	-6.97e-04	0.0
169	74	-0.01	-3.55e-04	-0.80	1.75e-05	-6.69e-04	0.0
170	2	6.13e-03	2.06e-03	-1.13	-1.04e-04	1.98e-04	0.0
170	6	0.29	-0.08	-0.91	8.56e-04	6.15e-04	0.0
170	25	0.08	0.39	-1.30	-3.54e-03	4.94e-04	0.0
170	27	-0.09	0.42	-1.15	-3.63e-03	1.76e-04	0.0
170	38	0.11	-0.03	-0.84	2.66e-04	3.18e-04	0.0
170	57	0.03	0.14	-0.98	-1.32e-03	2.74e-04	0.0
170	59	-0.03	0.15	-0.93	-1.35e-03	1.59e-04	0.0

170	69	4.20e-03	1.31e-03	-0.80	-6.59e-05	1.50e-04	0.0
170	71	4.65e-03	1.55e-03	-0.86	-7.80e-05	1.52e-04	0.0
170	73	4.29e-03	1.36e-03	-0.81	-6.83e-05	1.50e-04	0.0
170	74	4.20e-03	1.31e-03	-0.80	-6.59e-05	1.50e-04	0.0
171	2	5.73e-03	8.15e-04	-1.13	-4.10e-05	1.78e-04	0.0
171	9	0.29	0.10	-1.07	-9.82e-04	6.62e-04	0.0
171	13	0.29	0.08	-1.08	-9.10e-04	6.70e-04	0.0
171	27	-0.09	0.42	-0.86	-3.47e-03	4.88e-05	0.0
171	41	0.11	0.04	-0.89	-3.71e-04	3.27e-04	0.0
171	45	0.11	0.03	-0.90	-3.45e-04	3.30e-04	0.0
171	59	-0.03	0.15	-0.82	-1.27e-03	1.05e-04	0.0
171	69	3.95e-03	5.15e-04	-0.79	-2.59e-05	1.37e-04	0.0
171	71	4.35e-03	6.12e-04	-0.86	-3.08e-05	1.37e-04	0.0
171	73	4.03e-03	5.35e-04	-0.81	-2.68e-05	1.37e-04	0.0
171	74	3.95e-03	5.15e-04	-0.79	-2.59e-05	1.37e-04	0.0
172	2	4.57e-03	1.69e-03	-1.12	-8.48e-05	1.20e-04	0.0
172	9	0.29	0.09	-1.08	-9.89e-04	5.86e-04	0.0
172	25	0.08	0.38	-1.26	-3.35e-03	4.73e-04	0.0
172	27	-0.09	0.40	-1.14	-3.43e-03	2.02e-04	0.0
172	41	0.11	0.03	-0.89	-3.90e-04	2.77e-04	0.0
172	57	0.03	0.14	-0.96	-1.24e-03	2.36e-04	0.0
172	59	-0.03	0.15	-0.91	-1.27e-03	1.38e-04	0.0
172	69	3.25e-03	1.06e-03	-0.79	-5.30e-05	1.02e-04	0.0
172	71	3.48e-03	1.27e-03	-0.85	-6.36e-05	9.38e-05	0.0
172	73	3.29e-03	1.10e-03	-0.80	-5.51e-05	1.00e-04	0.0
172	74	3.25e-03	1.06e-03	-0.79	-5.30e-05	1.02e-04	0.0
173	2	5.73e-03	-8.19e-04	-1.13	4.11e-05	1.78e-04	0.0
173	6	0.29	-0.08	-1.08	9.10e-04	6.70e-04	0.0
173	18	0.29	-0.10	-1.07	9.82e-04	6.62e-04	0.0
173	24	-0.09	-0.42	-0.86	3.47e-03	4.90e-05	0.0
173	38	0.11	-0.03	-0.90	3.45e-04	3.30e-04	0.0
173	50	0.11	-0.04	-0.89	3.71e-04	3.27e-04	0.0
173	56	-0.03	-0.15	-0.82	1.27e-03	1.05e-04	0.0
173	69	3.95e-03	-5.18e-04	-0.79	2.60e-05	1.37e-04	0.0
173	71	4.35e-03	-6.15e-04	-0.86	3.09e-05	1.37e-04	0.0
173	73	4.03e-03	-5.37e-04	-0.81	2.69e-05	1.37e-04	0.0
173	74	3.95e-03	-5.18e-04	-0.79	2.60e-05	1.37e-04	0.0
174	1	2.61e-03	1.34e-03	-1.01	-6.75e-05	5.19e-05	0.0
174	2	2.59e-03	1.69e-03	-1.11	-8.48e-05	2.15e-05	0.0
174	9	0.29	0.09	-1.04	-9.40e-04	4.56e-04	0.0
174	25	0.07	0.37	-1.22	-3.17e-03	3.87e-04	0.0
174	27	-0.09	0.39	-1.12	-3.24e-03	1.55e-04	0.0
174	41	0.11	0.03	-0.87	-3.72e-04	1.90e-04	0.0
174	57	0.03	0.13	-0.94	-1.18e-03	1.65e-04	0.0
174	59	-0.03	0.14	-0.90	-1.20e-03	8.12e-05	0.0
174	69	2.01e-03	1.03e-03	-0.78	-5.19e-05	3.99e-05	0.0
174	70	2.01e-03	1.03e-03	-0.78	-5.19e-05	3.99e-05	0.0
174	71	2.00e-03	1.26e-03	-0.85	-6.34e-05	1.97e-05	0.0
174	72	2.01e-03	1.03e-03	-0.78	-5.19e-05	3.99e-05	0.0
174	73	2.00e-03	1.08e-03	-0.79	-5.42e-05	3.59e-05	0.0
174	74	2.01e-03	1.03e-03	-0.78	-5.19e-05	3.99e-05	0.0
175	2	6.13e-03	-2.06e-03	-1.13	1.04e-04	1.98e-04	0.0
175	13	0.29	0.08	-0.91	-8.55e-04	6.15e-04	0.0
175	22	0.08	-0.39	-1.30	3.54e-03	4.94e-04	0.0
175	24	-0.09	-0.42	-1.15	3.63e-03	1.76e-04	0.0
175	45	0.11	0.03	-0.84	-2.66e-04	3.18e-04	0.0
175	54	0.03	-0.14	-0.98	1.32e-03	2.74e-04	0.0
175	56	-0.03	-0.15	-0.93	1.35e-03	1.59e-04	0.0
175	69	4.20e-03	-1.31e-03	-0.80	6.59e-05	1.50e-04	0.0
175	71	4.65e-03	-1.55e-03	-0.86	7.80e-05	1.52e-04	0.0
175	73	4.29e-03	-1.36e-03	-0.81	6.83e-05	1.50e-04	0.0
175	74	4.20e-03	-1.31e-03	-0.80	6.59e-05	1.50e-04	0.0
176	1	1.27e-03	1.64e-03	-1.01	-8.23e-05	-1.51e-05	0.0
176	2	1.01e-03	2.10e-03	-1.12	-1.05e-04	-5.78e-05	0.0
176	9	0.29	0.09	-1.00	-9.09e-04	3.55e-04	0.0
176	25	0.07	0.35	-1.19	-3.03e-03	2.95e-04	0.0
176	27	-0.09	0.37	-1.11	-3.10e-03	8.94e-05	0.0
176	41	0.10	0.03	-0.86	-3.68e-04	1.21e-04	0.0
176	57	0.03	0.13	-0.93	-1.13e-03	9.89e-05	0.0
176	59	-0.03	0.14	-0.90	-1.16e-03	2.47e-05	0.0
176	69	9.79e-04	1.26e-03	-0.78	-6.33e-05	-1.16e-05	0.0
176	70	9.79e-04	1.26e-03	-0.78	-6.33e-05	-1.16e-05	0.0
176	71	8.05e-04	1.57e-03	-0.85	-7.85e-05	-4.01e-05	0.0
176	72	9.79e-04	1.26e-03	-0.78	-6.33e-05	-1.16e-05	0.0
176	73	9.44e-04	1.33e-03	-0.79	-6.63e-05	-1.73e-05	0.0
176	74	9.79e-04	1.26e-03	-0.78	-6.33e-05	-1.16e-05	0.0

177	1	9.23e-04	2.34e-03	-1.02	-1.15e-04	-3.44e-05	0.0
177	2	7.15e-04	3.01e-03	-1.12	-1.47e-04	-7.49e-05	0.0
177	9	0.29	0.09	-0.97	-9.04e-04	3.42e-04	0.0
177	25	0.07	0.34	-1.17	-3.01e-03	2.52e-04	0.0
177	27	-0.09	0.36	-1.10	-2.94e-03	4.59e-05	0.0
177	41	0.10	0.03	-0.85	-3.82e-04	1.07e-04	0.0
177	57	0.03	0.12	-0.92	-1.14e-03	7.40e-05	0.0
177	59	-0.03	0.13	-0.90	-1.12e-03	0.0	0.0
177	69	7.10e-04	1.80e-03	-0.78	-8.82e-05	-2.64e-05	0.0
177	70	7.10e-04	1.80e-03	-0.78	-8.82e-05	-2.64e-05	0.0
177	71	5.72e-04	2.25e-03	-0.85	-1.10e-04	-5.34e-05	0.0
177	72	7.10e-04	1.80e-03	-0.78	-8.82e-05	-2.64e-05	0.0
177	73	6.82e-04	1.89e-03	-0.80	-9.25e-05	-3.18e-05	0.0
177	74	7.10e-04	1.80e-03	-0.78	-8.82e-05	-2.64e-05	0.0
178	2	1.61e-03	3.34e-03	-1.13	-1.68e-04	-2.24e-05	0.0
178	9	0.29	0.09	-0.94	-8.88e-04	3.69e-04	0.0
178	25	0.07	0.33	-1.15	-2.83e-03	2.73e-04	0.0
178	27	-0.09	0.35	-1.10	-2.89e-03	6.66e-05	0.0
178	41	0.10	0.03	-0.84	-3.85e-04	1.34e-04	0.0
178	57	0.03	0.12	-0.91	-1.09e-03	9.92e-05	0.0
178	59	-0.03	0.13	-0.90	-1.11e-03	2.48e-05	0.0
178	69	1.18e-03	2.01e-03	-0.78	-1.01e-04	1.29e-06	0.0
178	71	1.23e-03	2.50e-03	-0.86	-1.26e-04	-1.47e-05	0.0
178	73	1.19e-03	2.10e-03	-0.80	-1.06e-04	-1.91e-06	0.0
178	74	1.18e-03	2.01e-03	-0.78	-1.01e-04	1.29e-06	0.0
179	2	4.57e-03	-1.70e-03	-1.12	8.49e-05	1.20e-04	0.0
179	18	0.29	-0.09	-1.08	9.89e-04	5.86e-04	0.0
179	22	0.08	-0.38	-1.26	3.35e-03	4.73e-04	0.0
179	24	-0.09	-0.40	-1.14	3.43e-03	2.02e-04	0.0
179	50	0.11	-0.03	-0.89	3.91e-04	2.77e-04	0.0
179	54	0.03	-0.14	-0.96	1.24e-03	2.36e-04	0.0
179	56	-0.03	-0.15	-0.91	1.27e-03	1.38e-04	0.0
179	69	3.25e-03	-1.06e-03	-0.79	5.30e-05	1.02e-04	0.0
179	71	3.48e-03	-1.27e-03	-0.85	6.37e-05	9.38e-05	0.0
179	73	3.29e-03	-1.10e-03	-0.80	5.51e-05	1.00e-04	0.0
179	74	3.25e-03	-1.06e-03	-0.79	5.30e-05	1.02e-04	0.0
180	1	2.60e-03	-1.35e-03	-1.01	6.75e-05	5.18e-05	0.0
180	2	2.59e-03	-1.69e-03	-1.11	8.48e-05	2.14e-05	0.0
180	18	0.29	-0.09	-1.04	9.40e-04	4.56e-04	0.0
180	22	0.07	-0.37	-1.22	3.17e-03	3.86e-04	0.0
180	24	-0.09	-0.39	-1.12	3.24e-03	1.54e-04	0.0
180	50	0.11	-0.03	-0.87	3.72e-04	1.90e-04	0.0
180	54	0.03	-0.13	-0.94	1.18e-03	1.65e-04	0.0
180	56	-0.03	-0.14	-0.90	1.20e-03	8.11e-05	0.0
180	69	2.00e-03	-1.03e-03	-0.78	5.19e-05	3.98e-05	0.0
180	70	2.00e-03	-1.03e-03	-0.78	5.19e-05	3.98e-05	0.0
180	71	2.00e-03	-1.26e-03	-0.85	6.34e-05	1.96e-05	0.0
180	72	2.00e-03	-1.03e-03	-0.78	5.19e-05	3.98e-05	0.0
180	73	2.00e-03	-1.08e-03	-0.79	5.42e-05	3.58e-05	0.0
180	74	2.00e-03	-1.03e-03	-0.78	5.19e-05	3.98e-05	0.0
181	2	3.01e-03	2.28e-03	-1.12	-1.15e-04	4.97e-05	0.0
181	6	0.28	-0.07	-0.71	7.81e-04	1.67e-04	0.0
181	21	0.07	0.32	-1.10	-2.62e-03	2.27e-04	0.0
181	25	0.07	0.31	-1.10	-2.63e-03	2.31e-04	0.0
181	38	0.10	-0.02	-0.75	2.38e-04	8.67e-05	0.0
181	53	0.03	0.12	-0.89	-9.90e-04	1.08e-04	0.0
181	57	0.03	0.11	-0.90	-9.91e-04	1.09e-04	0.0
181	69	1.95e-03	1.37e-03	-0.78	-6.88e-05	4.07e-05	0.0
181	71	2.27e-03	1.70e-03	-0.85	-8.57e-05	3.86e-05	0.0
181	73	2.02e-03	1.43e-03	-0.79	-7.22e-05	4.03e-05	0.0
181	74	1.95e-03	1.37e-03	-0.78	-6.88e-05	4.07e-05	0.0
182	1	1.27e-03	-1.64e-03	-1.01	8.23e-05	-1.51e-05	0.0
182	2	1.01e-03	-2.10e-03	-1.12	1.05e-04	-5.78e-05	0.0
182	18	0.29	-0.09	-1.00	9.09e-04	3.55e-04	0.0
182	22	0.07	-0.35	-1.19	3.03e-03	2.95e-04	0.0
182	24	-0.09	-0.37	-1.11	3.10e-03	8.93e-05	0.0
182	50	0.10	-0.03	-0.86	3.68e-04	1.21e-04	0.0
182	54	0.03	-0.13	-0.93	1.13e-03	9.89e-05	0.0
182	56	-0.03	-0.14	-0.90	1.16e-03	2.47e-05	0.0
182	69	9.79e-04	-1.27e-03	-0.78	6.33e-05	-1.16e-05	0.0
182	70	9.79e-04	-1.27e-03	-0.78	6.33e-05	-1.16e-05	0.0
182	71	8.05e-04	-1.57e-03	-0.85	7.85e-05	-4.01e-05	0.0
182	72	9.79e-04	-1.27e-03	-0.78	6.33e-05	-1.16e-05	0.0
182	73	9.44e-04	-1.33e-03	-0.79	6.64e-05	-1.73e-05	0.0
182	74	9.79e-04	-1.27e-03	-0.78	6.33e-05	-1.16e-05	0.0
183	2	1.98e-03	1.95e-03	-1.12	-9.83e-05	-3.05e-06	0.0

183	9	0.28	0.08	-0.88	-7.77e-04	1.52e-04	0.0
183	21	0.07	0.31	-1.09	-2.56e-03	1.69e-04	0.0
183	25	0.07	0.30	-1.09	-2.52e-03	1.73e-04	0.0
183	41	0.10	0.03	-0.81	-3.18e-04	6.00e-05	0.0
183	53	0.03	0.11	-0.89	-9.60e-04	6.60e-05	0.0
183	57	0.03	0.11	-0.89	-9.47e-04	6.73e-05	0.0
183	69	1.30e-03	1.17e-03	-0.77	-5.89e-05	7.43e-06	0.0
183	71	1.49e-03	1.46e-03	-0.85	-7.34e-05	-1.05e-06	0.0
183	73	1.34e-03	1.23e-03	-0.79	-6.18e-05	5.74e-06	0.0
183	74	1.30e-03	1.17e-03	-0.77	-5.89e-05	7.43e-06	0.0
184	1	9.23e-04	-2.34e-03	-1.02	1.15e-04	-3.44e-05	0.0
184	2	7.15e-04	-3.01e-03	-1.12	1.47e-04	-7.49e-05	0.0
184	18	0.29	-0.09	-0.97	9.04e-04	3.42e-04	0.0
184	22	0.07	-0.34	-1.17	3.01e-03	2.52e-04	0.0
184	24	-0.09	-0.36	-1.10	2.94e-03	4.58e-05	0.0
184	50	0.10	-0.03	-0.85	3.82e-04	1.07e-04	0.0
184	54	0.03	-0.12	-0.92	1.14e-03	7.40e-05	0.0
184	56	-0.03	-0.13	-0.90	1.12e-03	0.0	0.0
184	69	7.10e-04	-1.80e-03	-0.78	8.82e-05	-2.64e-05	0.0
184	70	7.10e-04	-1.80e-03	-0.78	8.82e-05	-2.64e-05	0.0
184	71	5.71e-04	-2.25e-03	-0.85	1.10e-04	-5.34e-05	0.0
184	72	7.10e-04	-1.80e-03	-0.78	8.82e-05	-2.64e-05	0.0
184	73	6.82e-04	-1.89e-03	-0.80	9.25e-05	-3.18e-05	0.0
184	74	7.10e-04	-1.80e-03	-0.78	8.82e-05	-2.64e-05	0.0
185	2	7.01e-04	2.06e-03	-1.12	-1.03e-04	-6.77e-05	0.0
185	9	0.28	0.08	-0.87	-7.58e-04	1.01e-04	0.0
185	25	0.07	0.29	-1.08	-2.48e-03	1.12e-04	0.0
185	27	-0.09	0.30	-1.07	-2.45e-03	3.26e-05	0.0
185	41	0.10	0.03	-0.81	-3.13e-04	1.61e-05	0.0
185	57	0.03	0.10	-0.88	-9.35e-04	1.96e-05	0.0
185	59	-0.03	0.11	-0.88	-9.22e-04	-9.17e-06	0.0
185	69	5.18e-04	1.24e-03	-0.78	-6.19e-05	-3.26e-05	0.0
185	71	5.36e-04	1.54e-03	-0.85	-7.73e-05	-4.94e-05	0.0
185	73	5.22e-04	1.30e-03	-0.79	-6.50e-05	-3.59e-05	0.0
185	74	5.18e-04	1.24e-03	-0.78	-6.19e-05	-3.26e-05	0.0
186	2	1.61e-03	-3.34e-03	-1.13	1.68e-04	-2.23e-05	0.0
186	18	0.29	-0.09	-0.94	8.88e-04	3.69e-04	0.0
186	22	0.07	-0.33	-1.15	2.83e-03	2.73e-04	0.0
186	24	-0.09	-0.35	-1.10	2.89e-03	6.66e-05	0.0
186	50	0.10	-0.03	-0.84	3.85e-04	1.34e-04	0.0
186	54	0.03	-0.12	-0.91	1.09e-03	9.92e-05	0.0
186	56	-0.03	-0.13	-0.90	1.11e-03	2.48e-05	0.0
186	69	1.18e-03	-2.01e-03	-0.78	1.01e-04	1.30e-06	0.0
186	71	1.23e-03	-2.50e-03	-0.86	1.26e-04	-1.47e-05	0.0
186	73	1.19e-03	-2.10e-03	-0.80	1.06e-04	-1.90e-06	0.0
186	74	1.18e-03	-2.01e-03	-0.78	1.01e-04	1.30e-06	0.0
187	1	1.50e-04	2.04e-03	-1.01	-1.01e-04	-7.02e-05	0.0
187	2	5.42e-05	2.62e-03	-1.13	-1.29e-04	-1.02e-04	0.0
187	9	0.28	0.08	-0.85	-7.65e-04	1.28e-04	0.0
187	23	-0.09	0.28	-1.07	-2.42e-03	-1.11e-05	0.0
187	27	-0.09	0.28	-1.07	-2.41e-03	-1.36e-05	0.0
187	41	0.10	0.03	-0.80	-3.26e-04	1.18e-05	0.0
187	55	-0.03	0.10	-0.89	-9.23e-04	-3.85e-05	0.0
187	59	-0.03	0.10	-0.88	-9.20e-04	-3.95e-05	0.0
187	69	1.16e-04	1.57e-03	-0.78	-7.75e-05	-5.40e-05	0.0
187	70	1.16e-04	1.57e-03	-0.78	-7.75e-05	-5.40e-05	0.0
187	71	5.15e-05	1.96e-03	-0.86	-9.67e-05	-7.51e-05	0.0
187	72	1.16e-04	1.57e-03	-0.78	-7.75e-05	-5.40e-05	0.0
187	73	1.03e-04	1.65e-03	-0.80	-8.13e-05	-5.82e-05	0.0
187	74	1.16e-04	1.57e-03	-0.78	-7.75e-05	-5.40e-05	0.0
188	1	3.79e-04	2.26e-03	-1.02	-1.13e-04	-5.67e-05	0.0
188	2	3.56e-04	2.91e-03	-1.14	-1.46e-04	-8.37e-05	0.0
188	9	0.28	0.08	-0.84	-7.62e-04	1.64e-04	0.0
188	21	0.07	0.27	-1.06	-2.38e-03	9.00e-05	0.0
188	23	-0.09	0.27	-1.08	-2.36e-03	-2.84e-05	0.0
188	41	0.10	0.03	-0.80	-3.31e-04	3.13e-05	0.0
188	53	0.03	0.10	-0.88	-9.15e-04	4.58e-06	0.0
188	55	-0.03	0.10	-0.89	-9.06e-04	-3.82e-05	0.0
188	69	2.92e-04	1.74e-03	-0.78	-8.73e-05	-4.36e-05	0.0
188	70	2.92e-04	1.74e-03	-0.78	-8.73e-05	-4.36e-05	0.0
188	71	2.76e-04	2.17e-03	-0.86	-1.09e-04	-6.16e-05	0.0
188	72	2.92e-04	1.74e-03	-0.78	-8.73e-05	-4.36e-05	0.0
188	73	2.89e-04	1.83e-03	-0.80	-9.16e-05	-4.72e-05	0.0
188	74	2.92e-04	1.74e-03	-0.78	-8.73e-05	-4.36e-05	0.0
189	2	3.01e-03	-2.28e-03	-1.12	1.15e-04	4.97e-05	0.0
189	13	0.28	0.07	-0.71	-7.81e-04	1.67e-04	0.0

189	22	0.07	-0.31	-1.10	2.63e-03	2.31e-04	0.0
189	26	0.07	-0.32	-1.10	2.62e-03	2.27e-04	0.0
189	45	0.10	0.02	-0.75	-2.38e-04	8.67e-05	0.0
189	54	0.03	-0.11	-0.90	9.91e-04	1.09e-04	0.0
189	58	0.03	-0.12	-0.89	9.90e-04	1.08e-04	0.0
189	69	1.95e-03	-1.37e-03	-0.78	6.88e-05	4.07e-05	0.0
189	71	2.27e-03	-1.70e-03	-0.85	8.57e-05	3.86e-05	0.0
189	73	2.02e-03	-1.43e-03	-0.79	7.22e-05	4.03e-05	0.0
189	74	1.95e-03	-1.37e-03	-0.78	6.88e-05	4.07e-05	0.0
190	2	8.01e-04	2.74e-03	-1.14	-1.36e-04	-5.91e-05	0.0
190	9	0.28	0.08	-0.83	-6.55e-04	1.11e-04	0.0
190	21	0.07	0.27	-1.06	-2.33e-03	5.29e-05	0.0
190	23	-0.09	0.26	-1.08	-2.37e-03	-2.83e-05	0.0
190	41	0.10	0.03	-0.80	-2.88e-04	2.13e-05	0.0
190	53	0.03	0.10	-0.88	-8.93e-04	0.0	0.0
190	55	-0.03	0.10	-0.89	-9.07e-04	-2.89e-05	0.0
190	69	5.56e-04	1.64e-03	-0.79	-8.10e-05	-2.92e-05	0.0
190	71	6.08e-04	2.05e-03	-0.87	-1.01e-04	-4.33e-05	0.0
190	73	5.66e-04	1.72e-03	-0.80	-8.51e-05	-3.20e-05	0.0
190	74	5.56e-04	1.64e-03	-0.79	-8.10e-05	-2.92e-05	0.0
191	2	1.98e-03	-1.95e-03	-1.12	9.83e-05	-3.05e-06	0.0
191	18	0.28	-0.08	-0.88	7.77e-04	1.52e-04	0.0
191	22	0.07	-0.30	-1.09	2.52e-03	1.73e-04	0.0
191	26	0.07	-0.31	-1.09	2.56e-03	1.69e-04	0.0
191	50	0.10	-0.03	-0.81	3.18e-04	6.00e-05	0.0
191	54	0.03	-0.11	-0.89	9.47e-04	6.73e-05	0.0
191	58	0.03	-0.11	-0.89	9.60e-04	6.60e-05	0.0
191	69	1.30e-03	-1.17e-03	-0.77	5.89e-05	7.44e-06	0.0
191	71	1.49e-03	-1.46e-03	-0.85	7.34e-05	-1.04e-06	0.0
191	73	1.34e-03	-1.23e-03	-0.79	6.18e-05	5.74e-06	0.0
191	74	1.30e-03	-1.17e-03	-0.77	5.89e-05	7.44e-06	0.0
192	2	5.40e-04	2.26e-03	-1.15	-1.13e-04	-7.44e-05	0.0
192	9	0.28	0.08	-0.83	-6.58e-04	1.89e-05	0.0
192	21	0.07	0.26	-1.06	-2.27e-03	3.21e-05	0.0
192	23	-0.09	0.25	-1.08	-2.30e-03	1.30e-06	0.0
192	41	0.10	0.03	-0.80	-2.81e-04	-1.77e-05	0.0
192	53	0.03	0.09	-0.89	-8.63e-04	-1.31e-05	0.0
192	55	-0.03	0.09	-0.90	-8.72e-04	-2.43e-05	0.0
192	69	3.96e-04	1.35e-03	-0.79	-6.76e-05	-3.87e-05	0.0
192	71	4.13e-04	1.68e-03	-0.87	-8.47e-05	-5.48e-05	0.0
192	73	4.00e-04	1.41e-03	-0.81	-7.11e-05	-4.19e-05	0.0
192	74	3.96e-04	1.35e-03	-0.79	-6.76e-05	-3.87e-05	0.0
193	2	7.01e-04	-2.06e-03	-1.12	1.03e-04	-6.76e-05	0.0
193	18	0.28	-0.08	-0.87	7.58e-04	1.01e-04	0.0
193	22	0.07	-0.29	-1.08	2.48e-03	1.12e-04	0.0
193	24	-0.09	-0.30	-1.07	2.45e-03	3.26e-05	0.0
193	50	0.10	-0.03	-0.81	3.13e-04	1.61e-05	0.0
193	54	0.03	-0.10	-0.88	9.35e-04	1.96e-05	0.0
193	56	-0.03	-0.11	-0.88	9.22e-04	-9.17e-06	0.0
193	69	5.18e-04	-1.24e-03	-0.78	6.19e-05	-3.26e-05	0.0
193	71	5.36e-04	-1.54e-03	-0.85	7.72e-05	-4.94e-05	0.0
193	73	5.22e-04	-1.30e-03	-0.79	6.50e-05	-3.59e-05	0.0
193	74	5.18e-04	-1.24e-03	-0.78	6.19e-05	-3.26e-05	0.0
194	2	-1.58e-04	2.21e-03	-1.16	-1.11e-04	-1.10e-04	0.0
194	12	-0.28	-0.07	-0.76	5.45e-04	-2.57e-05	0.0
194	23	-0.09	0.25	-1.08	-2.25e-03	-7.96e-06	0.0
194	44	-0.10	-0.02	-0.78	1.54e-04	-4.78e-05	0.0
194	55	-0.03	0.09	-0.90	-8.53e-04	-4.16e-05	0.0
194	69	-2.74e-05	1.31e-03	-0.79	-6.61e-05	-6.08e-05	0.0
194	71	-1.09e-04	1.65e-03	-0.88	-8.30e-05	-8.17e-05	0.0
194	73	-4.37e-05	1.38e-03	-0.81	-6.95e-05	-6.49e-05	0.0
194	74	-2.74e-05	1.31e-03	-0.79	-6.61e-05	-6.08e-05	0.0
195	1	1.50e-04	-2.04e-03	-1.01	1.01e-04	-7.02e-05	0.0
195	2	5.42e-05	-2.62e-03	-1.13	1.29e-04	-1.02e-04	0.0
195	18	0.28	-0.08	-0.85	7.65e-04	1.28e-04	0.0
195	24	-0.09	-0.28	-1.07	2.41e-03	-1.36e-05	0.0
195	28	-0.09	-0.28	-1.07	2.42e-03	-1.11e-05	0.0
195	50	0.10	-0.03	-0.80	3.26e-04	1.18e-05	0.0
195	56	-0.03	-0.10	-0.88	9.20e-04	-3.95e-05	0.0
195	60	-0.03	-0.10	-0.89	9.23e-04	-3.85e-05	0.0
195	69	1.16e-04	-1.57e-03	-0.78	7.74e-05	-5.40e-05	0.0
195	70	1.16e-04	-1.57e-03	-0.78	7.74e-05	-5.40e-05	0.0
195	71	5.16e-05	-1.96e-03	-0.86	9.66e-05	-7.51e-05	0.0
195	72	1.16e-04	-1.57e-03	-0.78	7.74e-05	-5.40e-05	0.0
195	73	1.03e-04	-1.65e-03	-0.80	8.13e-05	-5.82e-05	0.0
195	74	1.16e-04	-1.57e-03	-0.78	7.74e-05	-5.40e-05	0.0

196	1	3.77e-04	-2.26e-03	-1.02	1.13e-04	-5.68e-05	0.0
196	2	3.54e-04	-2.90e-03	-1.14	1.46e-04	-8.39e-05	0.0
196	18	0.28	-0.08	-0.84	7.62e-04	1.64e-04	0.0
196	26	0.07	-0.27	-1.06	2.38e-03	9.00e-05	0.0
196	28	-0.09	-0.27	-1.07	2.36e-03	-2.83e-05	0.0
196	50	0.10	-0.03	-0.80	3.31e-04	3.12e-05	0.0
196	58	0.03	-0.10	-0.88	9.15e-04	4.54e-06	0.0
196	60	-0.03	-0.10	-0.89	9.06e-04	-3.82e-05	0.0
196	69	2.90e-04	-1.74e-03	-0.78	8.72e-05	-4.37e-05	0.0
196	70	2.90e-04	-1.74e-03	-0.78	8.72e-05	-4.37e-05	0.0
196	71	2.75e-04	-2.17e-03	-0.86	1.09e-04	-6.18e-05	0.0
196	72	2.90e-04	-1.74e-03	-0.78	8.72e-05	-4.37e-05	0.0
196	73	2.87e-04	-1.82e-03	-0.80	9.16e-05	-4.73e-05	0.0
196	74	2.90e-04	-1.74e-03	-0.78	8.72e-05	-4.37e-05	0.0
197	2	5.12e-04	3.38e-03	-1.18	-1.72e-04	-8.02e-05	0.0
197	9	0.28	0.07	-0.84	-7.69e-04	-2.17e-05	0.0
197	31	-0.07	0.26	-1.09	-2.27e-03	-1.10e-04	0.0
197	35	-0.07	0.26	-1.09	-2.28e-03	-1.13e-04	0.0
197	41	0.10	0.03	-0.82	-3.43e-04	-3.63e-05	0.0
197	63	-0.02	0.10	-0.91	-8.86e-04	-6.82e-05	0.0
197	67	-0.02	0.09	-0.91	-8.86e-04	-6.93e-05	0.0
197	69	3.39e-04	2.00e-03	-0.80	-1.02e-04	-4.48e-05	0.0
197	71	3.86e-04	2.52e-03	-0.89	-1.28e-04	-5.94e-05	0.0
197	73	3.49e-04	2.11e-03	-0.82	-1.07e-04	-4.77e-05	0.0
197	74	3.39e-04	2.00e-03	-0.80	-1.02e-04	-4.48e-05	0.0
198	2	8.01e-04	-2.74e-03	-1.14	1.36e-04	-5.91e-05	0.0
198	18	0.28	-0.08	-0.83	6.55e-04	1.11e-04	0.0
198	26	0.07	-0.27	-1.06	2.33e-03	5.28e-05	0.0
198	28	-0.09	-0.26	-1.08	2.37e-03	-2.85e-05	0.0
198	50	0.10	-0.03	-0.80	2.88e-04	2.13e-05	0.0
198	58	0.03	-0.10	-0.88	8.93e-04	0.0	0.0
198	60	-0.03	-0.10	-0.89	9.07e-04	-2.90e-05	0.0
198	69	5.55e-04	-1.64e-03	-0.79	8.10e-05	-2.92e-05	0.0
198	71	6.08e-04	-2.04e-03	-0.87	1.01e-04	-4.33e-05	0.0
198	73	5.66e-04	-1.72e-03	-0.80	8.50e-05	-3.20e-05	0.0
198	74	5.55e-04	-1.64e-03	-0.79	8.10e-05	-2.92e-05	0.0
199	2	3.93e-03	5.11e-03	-1.18	-2.47e-04	8.16e-05	0.0
199	9	0.28	0.08	-0.83	-8.43e-04	1.44e-04	0.0
199	31	-0.07	0.27	-1.10	-2.37e-03	-1.11e-05	0.0
199	35	-0.07	0.27	-1.10	-2.37e-03	-1.35e-05	0.0
199	41	0.10	0.03	-0.82	-3.98e-04	8.38e-05	0.0
199	63	-0.02	0.10	-0.91	-9.47e-04	2.79e-05	0.0
199	67	-0.02	0.10	-0.91	-9.48e-04	2.71e-05	0.0
199	69	2.34e-03	3.03e-03	-0.81	-1.46e-04	5.00e-05	0.0
199	71	2.93e-03	3.81e-03	-0.89	-1.84e-04	6.10e-05	0.0
199	73	2.46e-03	3.18e-03	-0.82	-1.54e-04	5.22e-05	0.0
199	74	2.34e-03	3.03e-03	-0.81	-1.46e-04	5.00e-05	0.0
200	2	5.40e-04	-2.26e-03	-1.15	1.13e-04	-7.44e-05	0.0
200	18	0.28	-0.08	-0.83	6.58e-04	1.89e-05	0.0
200	26	0.07	-0.26	-1.06	2.27e-03	3.21e-05	0.0
200	28	-0.09	-0.25	-1.08	2.30e-03	1.34e-06	0.0
200	50	0.10	-0.03	-0.80	2.81e-04	-1.77e-05	0.0
200	58	0.03	-0.09	-0.89	8.63e-04	-1.31e-05	0.0
200	60	-0.03	-0.09	-0.90	8.72e-04	-2.43e-05	0.0
200	69	3.96e-04	-1.35e-03	-0.79	6.76e-05	-3.87e-05	0.0
200	71	4.13e-04	-1.68e-03	-0.87	8.47e-05	-5.47e-05	0.0
200	73	4.00e-04	-1.41e-03	-0.81	7.10e-05	-4.19e-05	0.0
200	74	3.96e-04	-1.35e-03	-0.79	6.76e-05	-3.87e-05	0.0
201	2	8.26e-03	5.16e-03	-1.16	-2.61e-04	3.16e-04	0.0
201	9	0.29	0.08	-0.82	-8.00e-04	3.14e-04	0.0
201	33	0.10	0.28	-1.06	-2.37e-03	1.83e-04	0.0
201	35	-0.06	0.28	-1.10	-2.40e-03	9.39e-05	0.0
201	41	0.11	0.03	-0.80	-3.87e-04	2.33e-04	0.0
201	65	0.04	0.10	-0.89	-9.55e-04	1.86e-04	0.0
201	67	-0.02	0.10	-0.91	-9.63e-04	1.54e-04	0.0
201	69	4.90e-03	3.06e-03	-0.80	-1.54e-04	1.88e-04	0.0
201	71	6.16e-03	3.85e-03	-0.88	-1.94e-04	2.36e-04	0.0
201	73	5.15e-03	3.22e-03	-0.81	-1.62e-04	1.98e-04	0.0
201	74	4.90e-03	3.06e-03	-0.80	-1.54e-04	1.88e-04	0.0
202	2	-1.58e-04	-2.20e-03	-1.16	1.11e-04	-1.10e-04	0.0
202	19	-0.28	0.07	-0.76	-5.45e-04	-2.57e-05	0.0
202	28	-0.09	-0.25	-1.08	2.25e-03	-7.95e-06	0.0
202	51	-0.10	0.02	-0.78	-1.54e-04	-4.78e-05	0.0
202	60	-0.03	-0.09	-0.90	8.53e-04	-4.16e-05	0.0
202	69	-2.75e-05	-1.31e-03	-0.79	6.61e-05	-6.08e-05	0.0
202	71	-1.09e-04	-1.64e-03	-0.88	8.30e-05	-8.17e-05	0.0

202	73	-4.38e-05	-1.38e-03	-0.81	6.95e-05	-6.49e-05	0.0
202	74	-2.75e-05	-1.31e-03	-0.79	6.61e-05	-6.08e-05	0.0
203	2	0.01	4.89e-03	-1.13	-2.34e-04	5.15e-04	0.0
203	9	0.29	0.08	-0.79	-7.70e-04	3.61e-04	0.0
203	33	0.10	0.29	-1.04	-2.40e-03	2.59e-04	0.0
203	35	-0.06	0.29	-1.09	-2.44e-03	2.07e-04	0.0
203	41	0.11	0.03	-0.78	-3.66e-04	3.24e-04	0.0
203	65	0.04	0.11	-0.87	-9.54e-04	2.88e-04	0.0
203	67	-0.02	0.11	-0.89	-9.70e-04	2.69e-04	0.0
203	69	6.95e-03	2.89e-03	-0.78	-1.38e-04	3.04e-04	0.0
203	71	8.78e-03	3.65e-03	-0.86	-1.74e-04	3.84e-04	0.0
203	73	7.32e-03	3.04e-03	-0.79	-1.45e-04	3.20e-04	0.0
203	74	6.95e-03	2.89e-03	-0.78	-1.38e-04	3.04e-04	0.0
204	2	0.01	2.83e-03	-1.08	-1.43e-04	6.21e-04	0.0
204	9	0.29	0.08	-0.76	-7.37e-04	3.06e-04	0.0
204	33	0.10	0.30	-1.02	-2.37e-03	2.74e-04	0.0
204	35	-0.06	0.29	-1.07	-2.41e-03	2.92e-04	0.0
204	41	0.11	0.03	-0.75	-3.20e-04	3.42e-04	0.0
204	65	0.04	0.11	-0.85	-9.09e-04	3.31e-04	0.0
204	67	-0.02	0.11	-0.86	-9.23e-04	3.38e-04	0.0
204	69	8.24e-03	1.67e-03	-0.75	-8.40e-05	3.64e-04	0.0
204	71	0.01	2.11e-03	-0.82	-1.06e-04	4.63e-04	0.0
204	73	8.68e-03	1.75e-03	-0.76	-8.84e-05	3.84e-04	0.0
204	74	8.24e-03	1.67e-03	-0.75	-8.40e-05	3.64e-04	0.0
205	2	5.11e-04	-3.38e-03	-1.18	1.72e-04	-8.02e-05	0.0
205	18	0.28	-0.07	-0.84	7.69e-04	-2.17e-05	0.0
205	32	-0.07	-0.26	-1.09	2.28e-03	-1.13e-04	0.0
205	36	-0.07	-0.26	-1.09	2.27e-03	-1.10e-04	0.0
205	50	0.10	-0.03	-0.82	3.43e-04	-3.64e-05	0.0
205	64	-0.02	-0.09	-0.91	8.86e-04	-6.93e-05	0.0
205	68	-0.02	-0.10	-0.91	8.86e-04	-6.82e-05	0.0
205	69	3.39e-04	-2.00e-03	-0.80	1.02e-04	-4.48e-05	0.0
205	71	3.86e-04	-2.52e-03	-0.89	1.28e-04	-5.95e-05	0.0
205	73	3.48e-04	-2.11e-03	-0.82	1.07e-04	-4.77e-05	0.0
205	74	3.39e-04	-2.00e-03	-0.80	1.02e-04	-4.48e-05	0.0
206	2	0.01	1.56e-03	-1.03	-8.00e-05	5.84e-04	0.0
206	9	0.29	0.08	-0.74	-7.15e-04	2.42e-04	0.0
206	33	0.10	0.31	-1.00	-2.38e-03	2.15e-04	0.0
206	35	-0.06	0.30	-1.05	-2.42e-03	2.48e-04	0.0
206	41	0.11	0.03	-0.73	-2.88e-04	3.03e-04	0.0
206	65	0.04	0.11	-0.82	-8.90e-04	2.94e-04	0.0
206	67	-0.02	0.11	-0.84	-9.02e-04	3.06e-04	0.0
206	69	7.73e-03	9.16e-04	-0.72	-4.68e-05	3.39e-04	0.0
206	71	9.89e-03	1.16e-03	-0.78	-5.96e-05	4.35e-04	0.0
206	73	8.16e-03	9.66e-04	-0.73	-4.93e-05	3.58e-04	0.0
206	74	7.73e-03	9.16e-04	-0.72	-4.68e-05	3.39e-04	0.0
207	2	3.92e-03	-5.11e-03	-1.18	2.47e-04	8.15e-05	0.0
207	18	0.28	-0.08	-0.83	8.43e-04	1.44e-04	0.0
207	32	-0.07	-0.27	-1.10	2.37e-03	-1.36e-05	0.0
207	36	-0.07	-0.27	-1.10	2.37e-03	-1.12e-05	0.0
207	50	0.10	-0.03	-0.82	3.98e-04	8.38e-05	0.0
207	64	-0.02	-0.10	-0.91	9.48e-04	2.70e-05	0.0
207	68	-0.02	-0.10	-0.91	9.47e-04	2.79e-05	0.0
207	69	2.34e-03	-3.03e-03	-0.81	1.46e-04	4.99e-05	0.0
207	71	2.93e-03	-3.81e-03	-0.89	1.84e-04	6.10e-05	0.0
207	73	2.46e-03	-3.18e-03	-0.82	1.54e-04	5.21e-05	0.0
207	74	2.34e-03	-3.03e-03	-0.81	1.46e-04	4.99e-05	0.0
208	2	0.01	6.83e-04	-0.99	-3.54e-05	4.46e-04	0.0
208	9	0.28	0.08	-0.72	-7.01e-04	1.33e-04	0.0
208	33	0.10	0.33	-0.99	-2.43e-03	8.83e-05	0.0
208	35	-0.06	0.31	-1.03	-2.46e-03	1.28e-04	0.0
208	41	0.11	0.03	-0.71	-2.66e-04	2.09e-04	0.0
208	65	0.04	0.12	-0.80	-8.89e-04	1.94e-04	0.0
208	67	-0.02	0.11	-0.82	-9.02e-04	2.09e-04	0.0
208	69	6.01e-03	3.94e-04	-0.70	-2.04e-05	2.53e-04	0.0
208	71	7.80e-03	5.08e-04	-0.75	-2.63e-05	3.31e-04	0.0
208	73	6.37e-03	4.17e-04	-0.71	-2.16e-05	2.69e-04	0.0
208	74	6.01e-03	3.94e-04	-0.70	-2.04e-05	2.53e-04	0.0
209	2	8.24e-03	-5.13e-03	-1.16	2.59e-04	3.15e-04	0.0
209	18	0.29	-0.08	-0.82	7.99e-04	3.12e-04	0.0
209	30	0.10	-0.28	-1.06	2.37e-03	1.82e-04	0.0
209	32	-0.06	-0.28	-1.10	2.39e-03	9.38e-05	0.0
209	50	0.11	-0.03	-0.80	3.86e-04	2.32e-04	0.0
209	62	0.04	-0.10	-0.89	9.54e-04	1.85e-04	0.0
209	64	-0.02	-0.10	-0.91	9.62e-04	1.53e-04	0.0
209	69	4.88e-03	-3.04e-03	-0.80	1.53e-04	1.87e-04	0.0

209	71	6.14e-03	-3.83e-03	-0.88	1.93e-04	2.35e-04	0.0
209	73	5.14e-03	-3.20e-03	-0.81	1.61e-04	1.97e-04	0.0
209	74	4.88e-03	-3.04e-03	-0.80	1.53e-04	1.87e-04	0.0
210	2	6.21e-03	1.03e-04	-0.96	-6.09e-06	2.33e-04	0.0
210	9	0.28	0.08	-0.71	-7.00e-04	-5.54e-06	0.0
210	33	0.10	0.34	-0.99	-2.55e-03	-8.53e-05	0.0
210	35	-0.06	0.32	-1.03	-2.51e-03	-4.63e-05	0.0
210	41	0.10	0.03	-0.69	-2.54e-04	7.50e-05	0.0
210	65	0.04	0.12	-0.79	-9.22e-04	4.75e-05	0.0
210	67	-0.02	0.12	-0.81	-9.08e-04	6.28e-05	0.0
210	69	3.39e-03	5.19e-05	-0.68	-3.08e-06	1.23e-04	0.0
210	71	4.59e-03	7.59e-05	-0.73	-4.47e-06	1.72e-04	0.0
210	73	3.63e-03	5.67e-05	-0.69	-3.36e-06	1.33e-04	0.0
210	74	3.39e-03	5.19e-05	-0.68	-3.08e-06	1.23e-04	0.0
211	2	0.01	-4.87e-03	-1.13	2.32e-04	5.14e-04	0.0
211	18	0.29	-0.08	-0.79	7.70e-04	3.60e-04	0.0
211	30	0.10	-0.29	-1.04	2.40e-03	2.59e-04	0.0
211	32	-0.06	-0.29	-1.09	2.44e-03	2.07e-04	0.0
211	50	0.11	-0.03	-0.78	3.65e-04	3.24e-04	0.0
211	62	0.04	-0.11	-0.87	9.53e-04	2.87e-04	0.0
211	64	-0.02	-0.11	-0.89	9.69e-04	2.69e-04	0.0
211	69	6.94e-03	-2.87e-03	-0.78	1.37e-04	3.03e-04	0.0
211	71	8.77e-03	-3.63e-03	-0.86	1.73e-04	3.83e-04	0.0
211	73	7.31e-03	-3.02e-03	-0.79	1.44e-04	3.19e-04	0.0
211	74	6.94e-03	-2.87e-03	-0.78	1.37e-04	3.03e-04	0.0
212	2	8.99e-04	-2.08e-04	-0.95	9.73e-06	-3.10e-05	0.0
212	9	0.28	0.08	-0.72	-7.14e-04	-1.82e-04	0.0
212	30	0.07	-0.35	-0.31	2.69e-03	1.76e-04	0.0
212	35	-0.07	0.34	-1.04	-2.63e-03	-2.50e-04	0.0
212	41	0.10	0.03	-0.69	-2.54e-04	-9.19e-05	0.0
212	62	0.03	-0.13	-0.55	9.73e-04	3.91e-05	0.0
212	67	-0.02	0.12	-0.81	-9.45e-04	-1.13e-04	0.0
212	69	1.70e-04	-1.29e-04	-0.68	6.08e-06	-3.71e-05	0.0
212	71	6.22e-04	-1.56e-04	-0.73	7.30e-06	-2.56e-05	0.0
212	73	2.61e-04	-1.34e-04	-0.69	6.33e-06	-3.48e-05	0.0
212	74	1.70e-04	-1.29e-04	-0.68	6.08e-06	-3.71e-05	0.0
213	2	0.01	-2.83e-03	-1.08	1.43e-04	6.21e-04	0.0
213	18	0.29	-0.08	-0.76	7.37e-04	3.07e-04	0.0
213	30	0.10	-0.30	-1.02	2.37e-03	2.74e-04	0.0
213	32	-0.06	-0.29	-1.07	2.41e-03	2.92e-04	0.0
213	50	0.11	-0.03	-0.75	3.20e-04	3.42e-04	0.0
213	62	0.04	-0.11	-0.85	9.09e-04	3.31e-04	0.0
213	64	-0.02	-0.11	-0.86	9.23e-04	3.38e-04	0.0
213	69	8.24e-03	-1.67e-03	-0.75	8.39e-05	3.64e-04	0.0
213	71	0.01	-2.11e-03	-0.82	1.06e-04	4.63e-04	0.0
213	73	8.68e-03	-1.75e-03	-0.76	8.84e-05	3.84e-04	0.0
213	74	8.24e-03	-1.67e-03	-0.75	8.39e-05	3.64e-04	0.0
214	2	-4.96e-03	-2.62e-04	-0.97	1.27e-05	-3.23e-04	0.0
214	12	-0.28	-0.08	-0.65	7.60e-04	-2.41e-04	0.0
214	30	0.07	-0.37	-0.30	2.85e-03	1.01e-04	0.0
214	35	-0.07	0.35	-1.07	-2.79e-03	-4.58e-04	0.0
214	44	-0.10	-0.03	-0.67	2.79e-04	-2.26e-04	0.0
214	62	0.02	-0.13	-0.55	1.03e-03	-9.95e-05	0.0
214	67	-0.03	0.13	-0.83	-1.00e-03	-3.01e-04	0.0
214	69	-3.38e-03	-1.54e-04	-0.69	7.45e-06	-2.14e-04	0.0
214	71	-3.76e-03	-1.95e-04	-0.74	9.43e-06	-2.44e-04	0.0
214	73	-3.46e-03	-1.62e-04	-0.70	7.85e-06	-2.20e-04	0.0
214	74	-3.38e-03	-1.54e-04	-0.69	7.45e-06	-2.14e-04	0.0
215	2	0.01	-1.56e-03	-1.03	8.00e-05	5.84e-04	0.0
215	18	0.29	-0.08	-0.74	7.15e-04	2.42e-04	0.0
215	30	0.10	-0.31	-1.00	2.38e-03	2.15e-04	0.0
215	32	-0.06	-0.30	-1.05	2.42e-03	2.48e-04	0.0
215	50	0.11	-0.03	-0.73	2.88e-04	3.03e-04	0.0
215	62	0.04	-0.11	-0.82	8.90e-04	2.94e-04	0.0
215	64	-0.02	-0.11	-0.84	9.02e-04	3.06e-04	0.0
215	69	7.73e-03	-9.16e-04	-0.72	4.68e-05	3.39e-04	0.0
215	71	9.89e-03	-1.17e-03	-0.78	5.96e-05	4.35e-04	0.0
215	73	8.16e-03	-9.66e-04	-0.73	4.93e-05	3.58e-04	0.0
215	74	7.73e-03	-9.16e-04	-0.72	4.68e-05	3.39e-04	0.0
216	2	-0.01	-4.94e-05	-1.01	2.40e-06	-6.19e-04	0.0
216	12	-0.29	-0.08	-0.67	7.95e-04	-4.77e-04	0.0
216	30	0.06	-0.38	-0.30	3.04e-03	-1.75e-05	0.0
216	35	-0.08	0.36	-1.13	-2.98e-03	-7.74e-04	0.0
216	44	-0.11	-0.03	-0.70	2.87e-04	-4.26e-04	0.0
216	62	0.02	-0.14	-0.56	1.10e-03	-2.57e-04	0.0
216	67	-0.03	0.13	-0.86	-1.07e-03	-5.31e-04	0.0

216	69	-6.98e-03	-1.66e-05	-0.71	0.0	-3.93e-04	0.0
216	71	-8.21e-03	-3.52e-05	-0.77	1.70e-06	-4.65e-04	0.0
216	73	-7.23e-03	-2.03e-05	-0.72	0.0	-4.08e-04	0.0
216	74	-6.98e-03	-1.66e-05	-0.71	0.0	-3.93e-04	0.0
217	2	0.01	-6.84e-04	-0.99	3.55e-05	4.46e-04	0.0
217	18	0.28	-0.08	-0.72	7.01e-04	1.33e-04	0.0
217	30	0.10	-0.33	-0.99	2.43e-03	8.84e-05	0.0
217	32	-0.06	-0.31	-1.03	2.46e-03	1.28e-04	0.0
217	50	0.11	-0.03	-0.71	2.66e-04	2.09e-04	0.0
217	62	0.04	-0.12	-0.80	8.89e-04	1.94e-04	0.0
217	64	-0.02	-0.11	-0.82	9.02e-04	2.09e-04	0.0
217	69	6.01e-03	-3.95e-04	-0.70	2.04e-05	2.53e-04	0.0
217	71	7.80e-03	-5.09e-04	-0.75	2.64e-05	3.31e-04	0.0
217	73	6.37e-03	-4.17e-04	-0.71	2.16e-05	2.69e-04	0.0
217	74	6.01e-03	-3.95e-04	-0.70	2.04e-05	2.53e-04	0.0
218	2	6.21e-03	-1.04e-04	-0.96	6.08e-06	2.33e-04	0.0
218	18	0.28	-0.08	-0.71	7.00e-04	-5.52e-06	0.0
218	30	0.10	-0.34	-0.99	2.55e-03	-8.52e-05	0.0
218	32	-0.06	-0.32	-1.03	2.51e-03	-4.62e-05	0.0
218	50	0.10	-0.03	-0.69	2.54e-04	7.50e-05	0.0
218	62	0.04	-0.12	-0.79	9.22e-04	4.75e-05	0.0
218	64	-0.02	-0.12	-0.81	9.08e-04	6.28e-05	0.0
218	69	3.39e-03	-5.24e-05	-0.68	3.08e-06	1.23e-04	0.0
218	71	4.59e-03	-7.65e-05	-0.73	4.46e-06	1.72e-04	0.0
218	73	3.63e-03	-5.73e-05	-0.69	3.35e-06	1.33e-04	0.0
218	74	3.39e-03	-5.24e-05	-0.68	3.08e-06	1.23e-04	0.0
219	2	9.00e-04	2.07e-04	-0.95	-9.75e-06	-3.10e-05	0.0
219	18	0.28	-0.08	-0.72	7.14e-04	-1.82e-04	0.0
219	32	-0.07	-0.34	-1.04	2.63e-03	-2.50e-04	0.0
219	33	0.07	0.35	-0.31	-2.69e-03	1.76e-04	0.0
219	50	0.10	-0.03	-0.69	2.54e-04	-9.19e-05	0.0
219	64	-0.02	-0.12	-0.81	9.45e-04	-1.13e-04	0.0
219	65	0.03	0.13	-0.55	-9.73e-04	3.91e-05	0.0
219	69	1.70e-04	1.28e-04	-0.68	-6.10e-06	-3.71e-05	0.0
219	71	6.22e-04	1.55e-04	-0.73	-7.31e-06	-2.56e-05	0.0
219	73	2.61e-04	1.34e-04	-0.69	-6.34e-06	-3.48e-05	0.0
219	74	1.70e-04	1.28e-04	-0.68	-6.10e-06	-3.71e-05	0.0
220	2	-0.02	2.21e-03	-1.24	-1.13e-04	-1.27e-03	0.0
220	12	-0.30	-0.08	-0.88	8.87e-04	-1.16e-03	0.0
220	31	-0.09	0.44	-1.36	-3.81e-03	-1.18e-03	0.0
220	35	-0.09	0.41	-1.36	-3.72e-03	-1.18e-03	0.0
220	44	-0.12	-0.03	-0.87	2.75e-04	-9.19e-04	0.0
220	63	-0.04	0.16	-1.04	-1.42e-03	-9.27e-04	0.0
220	67	-0.04	0.15	-1.04	-1.39e-03	-9.28e-04	0.0
220	69	-0.01	1.40e-03	-0.86	-7.11e-05	-7.84e-04	0.0
220	71	-0.02	1.66e-03	-0.94	-8.48e-05	-9.51e-04	0.0
220	73	-0.02	1.45e-03	-0.88	-7.39e-05	-8.17e-04	0.0
220	74	-0.01	1.40e-03	-0.86	-7.11e-05	-7.84e-04	0.0
221	2	-4.96e-03	2.61e-04	-0.97	-1.27e-05	-3.23e-04	0.0
221	19	-0.28	0.08	-0.65	-7.60e-04	-2.41e-04	0.0
221	32	-0.07	-0.35	-1.07	2.79e-03	-4.58e-04	0.0
221	33	0.07	0.37	-0.30	-2.85e-03	1.01e-04	0.0
221	51	-0.10	0.03	-0.67	-2.79e-04	-2.26e-04	0.0
221	64	-0.03	-0.13	-0.83	1.00e-03	-3.01e-04	0.0
221	65	0.02	0.13	-0.55	-1.03e-03	-9.95e-05	0.0
221	69	-3.38e-03	1.53e-04	-0.69	-7.46e-06	-2.14e-04	0.0
221	71	-3.76e-03	1.94e-04	-0.74	-9.45e-06	-2.44e-04	0.0
221	73	-3.46e-03	1.61e-04	-0.70	-7.86e-06	-2.20e-04	0.0
221	74	-3.38e-03	1.53e-04	-0.69	-7.46e-06	-2.14e-04	0.0
222	2	-0.01	4.82e-05	-1.01	-2.41e-06	-6.19e-04	0.0
222	19	-0.29	0.08	-0.67	-7.95e-04	-4.77e-04	0.0
222	32	-0.08	-0.36	-1.13	2.98e-03	-7.74e-04	0.0
222	33	0.06	0.38	-0.30	-3.04e-03	-1.74e-05	0.0
222	51	-0.11	0.03	-0.70	-2.87e-04	-4.26e-04	0.0
222	64	-0.03	-0.13	-0.86	1.07e-03	-5.31e-04	0.0
222	65	0.02	0.14	-0.56	-1.10e-03	-2.57e-04	0.0
222	69	-6.98e-03	1.59e-05	-0.71	0.0	-3.93e-04	0.0
222	71	-8.21e-03	3.42e-05	-0.77	-1.71e-06	-4.65e-04	0.0
222	73	-7.23e-03	1.95e-05	-0.72	0.0	-4.08e-04	0.0
222	74	-6.98e-03	1.59e-05	-0.71	0.0	-3.93e-04	0.0
223	2	-0.02	9.23e-04	-1.23	-4.65e-05	-1.22e-03	0.0
223	12	-0.30	-0.08	-0.96	8.97e-04	-1.16e-03	0.0
223	19	-0.29	0.09	-1.06	-9.52e-04	-1.22e-03	0.0
223	33	0.07	0.43	-0.96	-3.62e-03	-7.14e-04	0.0
223	44	-0.12	-0.03	-0.89	3.05e-04	-9.01e-04	0.0
223	51	-0.12	0.03	-0.93	-3.62e-04	-9.23e-04	0.0

223	65	0.02	0.16	-0.89	-1.32e-03	-7.39e-04	0.0
223	69	-0.01	5.77e-04	-0.85	-2.90e-05	-7.53e-04	0.0
223	71	-0.02	6.92e-04	-0.94	-3.49e-05	-9.13e-04	0.0
223	73	-0.01	6.00e-04	-0.87	-3.02e-05	-7.85e-04	0.0
223	74	-0.01	5.77e-04	-0.85	-2.90e-05	-7.53e-04	0.0
224	2	-0.02	-9.26e-04	-1.23	4.65e-05	-1.22e-03	0.0
224	12	-0.29	-0.09	-1.06	9.52e-04	-1.22e-03	0.0
224	19	-0.30	0.08	-0.96	-8.97e-04	-1.16e-03	0.0
224	30	0.07	-0.43	-0.96	3.62e-03	-7.14e-04	0.0
224	44	-0.12	-0.03	-0.93	3.62e-04	-9.23e-04	0.0
224	51	-0.12	0.03	-0.89	-3.05e-04	-9.01e-04	0.0
224	62	0.02	-0.16	-0.89	1.32e-03	-7.39e-04	0.0
224	69	-0.01	-5.79e-04	-0.85	2.91e-05	-7.53e-04	0.0
224	71	-0.02	-6.94e-04	-0.94	3.49e-05	-9.13e-04	0.0
224	73	-0.01	-6.02e-04	-0.87	3.02e-05	-7.85e-04	0.0
224	74	-0.01	-5.79e-04	-0.85	2.91e-05	-7.53e-04	0.0
225	2	-0.02	-2.22e-03	-1.24	1.13e-04	-1.27e-03	0.0
225	19	-0.30	0.08	-0.87	-8.87e-04	-1.16e-03	0.0
225	32	-0.09	-0.41	-1.37	3.72e-03	-1.18e-03	0.0
225	36	-0.09	-0.44	-1.36	3.81e-03	-1.18e-03	0.0
225	51	-0.12	0.03	-0.87	-2.75e-04	-9.19e-04	0.0
225	64	-0.04	-0.15	-1.04	1.39e-03	-9.28e-04	0.0
225	68	-0.04	-0.16	-1.04	1.42e-03	-9.27e-04	0.0
225	69	-0.01	-1.40e-03	-0.86	7.11e-05	-7.84e-04	0.0
225	71	-0.02	-1.66e-03	-0.94	8.48e-05	-9.51e-04	0.0
225	73	-0.02	-1.45e-03	-0.88	7.39e-05	-8.17e-04	0.0
225	74	-0.01	-1.40e-03	-0.86	7.11e-05	-7.84e-04	0.0
226	2	2.86e-03	3.14e-03	-1.13	-1.54e-04	4.55e-05	0.0
226	6	0.29	-0.07	-0.73	8.08e-04	2.63e-04	0.0
226	21	0.07	0.33	-1.12	-2.75e-03	2.39e-04	0.0
226	25	0.07	0.32	-1.13	-2.76e-03	2.42e-04	0.0
226	38	0.10	-0.02	-0.76	2.32e-04	1.21e-04	0.0
226	53	0.03	0.12	-0.90	-1.05e-03	1.12e-04	0.0
226	57	0.03	0.12	-0.91	-1.05e-03	1.13e-04	0.0
226	69	1.90e-03	1.88e-03	-0.78	-9.25e-05	4.02e-05	0.0
226	71	2.16e-03	2.34e-03	-0.85	-1.15e-04	3.57e-05	0.0
226	73	1.95e-03	1.97e-03	-0.80	-9.71e-05	3.93e-05	0.0
226	74	1.90e-03	1.88e-03	-0.78	-9.25e-05	4.02e-05	0.0
227	2	2.86e-03	-3.14e-03	-1.13	1.54e-04	4.55e-05	0.0
227	13	0.29	0.07	-0.73	-8.08e-04	2.63e-04	0.0
227	22	0.07	-0.32	-1.13	2.76e-03	2.42e-04	0.0
227	26	0.07	-0.33	-1.12	2.75e-03	2.39e-04	0.0
227	45	0.10	0.02	-0.76	-2.32e-04	1.21e-04	0.0
227	54	0.03	-0.12	-0.91	1.05e-03	1.13e-04	0.0
227	58	0.03	-0.12	-0.90	1.05e-03	1.12e-04	0.0
227	69	1.90e-03	-1.88e-03	-0.78	9.25e-05	4.02e-05	0.0
227	71	2.16e-03	-2.34e-03	-0.85	1.15e-04	3.57e-05	0.0
227	73	1.95e-03	-1.97e-03	-0.80	9.70e-05	3.93e-05	0.0
227	74	1.90e-03	-1.88e-03	-0.78	9.25e-05	4.02e-05	0.0
228	2	-4.38e-04	2.56e-03	-1.17	-1.30e-04	-1.26e-04	0.0
228	12	-0.28	-0.07	-0.77	5.58e-04	-3.41e-05	0.0
228	23	-0.09	0.24	-1.09	-2.23e-03	-3.63e-05	0.0
228	33	0.09	0.25	-1.06	-2.22e-03	-1.27e-04	0.0
228	44	-0.10	-0.02	-0.79	1.52e-04	-5.72e-05	0.0
228	55	-0.03	0.09	-0.90	-8.54e-04	-5.82e-05	0.0
228	65	0.03	0.09	-0.89	-8.49e-04	-9.10e-05	0.0
228	69	-2.07e-04	1.52e-03	-0.80	-7.72e-05	-7.07e-05	0.0
228	71	-3.20e-04	1.91e-03	-0.88	-9.70e-05	-9.32e-05	0.0
228	73	-2.30e-04	1.60e-03	-0.82	-8.11e-05	-7.52e-05	0.0
228	74	-2.07e-04	1.52e-03	-0.80	-7.72e-05	-7.07e-05	0.0
229	2	-4.38e-04	-2.56e-03	-1.17	1.30e-04	-1.26e-04	0.0
229	19	-0.28	0.07	-0.77	-5.58e-04	-3.41e-05	0.0
229	28	-0.09	-0.24	-1.09	2.23e-03	-3.64e-05	0.0
229	30	0.09	-0.25	-1.06	2.22e-03	-1.27e-04	0.0
229	51	-0.10	0.02	-0.79	-1.52e-04	-5.72e-05	0.0
229	60	-0.03	-0.09	-0.90	8.54e-04	-5.82e-05	0.0
229	62	0.03	-0.09	-0.89	8.49e-04	-9.10e-05	0.0
229	69	-2.07e-04	-1.52e-03	-0.80	7.71e-05	-7.07e-05	0.0
229	71	-3.20e-04	-1.91e-03	-0.88	9.70e-05	-9.32e-05	0.0
229	73	-2.30e-04	-1.60e-03	-0.82	8.11e-05	-7.52e-05	0.0
229	74	-2.07e-04	-1.52e-03	-0.80	7.71e-05	-7.07e-05	0.0
230	2	-0.02	4.54e-04	-1.07	-2.21e-05	-8.95e-04	0.0
230	12	-0.29	-0.08	-0.72	8.30e-04	-7.21e-04	0.0
230	31	-0.08	0.40	-1.19	-3.28e-03	-9.87e-04	0.0
230	35	-0.08	0.38	-1.20	-3.21e-03	-9.93e-04	0.0
230	44	-0.11	-0.03	-0.74	2.90e-04	-6.20e-04	0.0

230	63	-0.04	0.14	-0.91	-1.19e-03	-7.14e-04	0.0
230	67	-0.04	0.14	-0.91	-1.17e-03	-7.16e-04	0.0
230	69	-0.01	2.98e-04	-0.75	-1.46e-05	-5.60e-04	0.0
230	71	-0.01	3.42e-04	-0.81	-1.67e-05	-6.71e-04	0.0
230	73	-0.01	3.07e-04	-0.76	-1.50e-05	-5.82e-04	0.0
230	74	-0.01	2.98e-04	-0.75	-1.46e-05	-5.60e-04	0.0
231	2	-0.02	1.24e-03	-1.15	-6.11e-05	-1.12e-03	0.0
231	12	-0.30	-0.08	-0.79	8.63e-04	-9.48e-04	0.0
231	31	-0.09	0.42	-1.27	-3.54e-03	-1.14e-03	0.0
231	35	-0.08	0.40	-1.28	-3.46e-03	-1.14e-03	0.0
231	44	-0.12	-0.03	-0.80	2.86e-04	-7.88e-04	0.0
231	63	-0.04	0.15	-0.97	-1.30e-03	-8.54e-04	0.0
231	67	-0.04	0.14	-0.97	-1.27e-03	-8.56e-04	0.0
231	69	-0.01	7.88e-04	-0.80	-3.89e-05	-6.94e-04	0.0
231	71	-0.02	9.34e-04	-0.87	-4.59e-05	-8.39e-04	0.0
231	73	-0.01	8.17e-04	-0.81	-4.03e-05	-7.23e-04	0.0
231	74	-0.01	7.88e-04	-0.80	-3.89e-05	-6.94e-04	0.0
232	2	-0.02	-4.53e-04	-1.07	2.20e-05	-8.93e-04	0.0
232	19	-0.29	0.08	-0.72	-8.30e-04	-7.20e-04	0.0
232	32	-0.08	-0.38	-1.19	3.20e-03	-9.89e-04	0.0
232	36	-0.08	-0.40	-1.19	3.28e-03	-9.84e-04	0.0
232	51	-0.11	0.03	-0.74	-2.90e-04	-6.19e-04	0.0
232	64	-0.04	-0.14	-0.91	1.16e-03	-7.15e-04	0.0
232	68	-0.04	-0.14	-0.91	1.19e-03	-7.13e-04	0.0
232	69	-0.01	-2.97e-04	-0.75	1.45e-05	-5.59e-04	0.0
232	71	-0.01	-3.42e-04	-0.81	1.66e-05	-6.70e-04	0.0
232	73	-0.01	-3.06e-04	-0.76	1.49e-05	-5.81e-04	0.0
232	74	-0.01	-2.97e-04	-0.75	1.45e-05	-5.59e-04	0.0
233	2	-0.02	-1.24e-03	-1.15	6.11e-05	-1.12e-03	0.0
233	19	-0.30	0.08	-0.79	-8.63e-04	-9.48e-04	0.0
233	32	-0.08	-0.40	-1.28	3.46e-03	-1.14e-03	0.0
233	36	-0.09	-0.42	-1.27	3.54e-03	-1.14e-03	0.0
233	51	-0.12	0.03	-0.80	-2.86e-04	-7.87e-04	0.0
233	64	-0.04	-0.14	-0.97	1.27e-03	-8.56e-04	0.0
233	68	-0.04	-0.15	-0.97	1.30e-03	-8.54e-04	0.0
233	69	-0.01	-7.88e-04	-0.80	3.88e-05	-6.94e-04	0.0
233	71	-0.02	-9.34e-04	-0.87	4.59e-05	-8.38e-04	0.0
233	73	-0.01	-8.18e-04	-0.81	4.02e-05	-7.23e-04	0.0
233	74	-0.01	-7.88e-04	-0.80	3.88e-05	-6.94e-04	0.0
234	2	4.44e-03	6.50e-04	-1.12	-3.26e-05	1.14e-04	0.0
234	6	0.29	-0.08	-0.94	8.38e-04	5.23e-04	0.0
234	13	0.28	0.08	-1.03	-8.76e-04	5.66e-04	0.0
234	27	-0.09	0.40	-0.85	-3.33e-03	2.86e-05	0.0
234	38	0.11	-0.03	-0.84	2.89e-04	2.51e-04	0.0
234	45	0.10	0.03	-0.87	-3.29e-04	2.67e-04	0.0
234	59	-0.03	0.15	-0.81	-1.22e-03	7.25e-05	0.0
234	69	3.15e-03	4.06e-04	-0.78	-2.03e-05	9.74e-05	0.0
234	71	3.38e-03	4.87e-04	-0.85	-2.44e-05	8.89e-05	0.0
234	73	3.20e-03	4.22e-04	-0.80	-2.12e-05	9.57e-05	0.0
234	74	3.15e-03	4.06e-04	-0.78	-2.03e-05	9.74e-05	0.0
235	2	4.43e-03	-6.54e-04	-1.12	3.27e-05	1.14e-04	0.0
235	6	0.28	-0.08	-1.03	8.76e-04	5.66e-04	0.0
235	13	0.29	0.08	-0.94	-8.38e-04	5.22e-04	0.0
235	24	-0.09	-0.40	-0.86	3.33e-03	2.89e-05	0.0
235	38	0.10	-0.03	-0.87	3.29e-04	2.67e-04	0.0
235	45	0.11	0.03	-0.84	-2.89e-04	2.51e-04	0.0
235	56	-0.03	-0.15	-0.81	1.22e-03	7.25e-05	0.0
235	69	3.15e-03	-4.09e-04	-0.78	2.05e-05	9.72e-05	0.0
235	71	3.38e-03	-4.90e-04	-0.85	2.46e-05	8.87e-05	0.0
235	73	3.19e-03	-4.25e-04	-0.80	2.13e-05	9.55e-05	0.0
235	74	3.15e-03	-4.09e-04	-0.78	2.05e-05	9.72e-05	0.0
236	2	2.73e-03	6.44e-04	-1.11	-3.24e-05	2.88e-05	0.0
236	9	0.29	0.09	-0.97	-9.02e-04	4.39e-04	0.0
236	13	0.28	0.08	-0.98	-8.39e-04	4.52e-04	0.0
236	27	-0.09	0.39	-0.85	-3.18e-03	1.44e-06	0.0
236	41	0.10	0.03	-0.85	-3.38e-04	1.87e-04	0.0
236	45	0.10	0.03	-0.85	-3.15e-04	1.91e-04	0.0
236	59	-0.03	0.14	-0.80	-1.16e-03	2.84e-05	0.0
236	69	2.08e-03	3.95e-04	-0.78	-1.98e-05	4.37e-05	0.0
236	71	2.10e-03	4.82e-04	-0.84	-2.42e-05	2.51e-05	0.0
236	73	2.08e-03	4.12e-04	-0.79	-2.07e-05	4.00e-05	0.0
236	74	2.08e-03	3.95e-04	-0.78	-1.98e-05	4.37e-05	0.0
237	1	1.57e-03	5.97e-04	-1.01	-3.00e-05	0.0	0.0
237	2	1.40e-03	7.61e-04	-1.11	-3.82e-05	-3.70e-05	0.0
237	9	0.28	0.09	-0.94	-8.65e-04	3.59e-04	0.0
237	13	0.28	0.08	-0.95	-8.06e-04	3.69e-04	0.0

237	27	-0.09	0.37	-0.85	-3.03e-03	-4.04e-05	0.0
237	41	0.10	0.03	-0.83	-3.27e-04	1.30e-04	0.0
237	45	0.10	0.03	-0.84	-3.06e-04	1.34e-04	0.0
237	59	-0.03	0.13	-0.80	-1.11e-03	-1.43e-05	0.0
237	69	1.21e-03	4.60e-04	-0.78	-2.30e-05	0.0	0.0
237	70	1.21e-03	4.60e-04	-0.78	-2.30e-05	0.0	0.0
237	71	1.09e-03	5.68e-04	-0.84	-2.85e-05	-2.46e-05	0.0
237	72	1.21e-03	4.60e-04	-0.78	-2.30e-05	0.0	0.0
237	73	1.18e-03	4.81e-04	-0.79	-2.41e-05	-4.53e-06	0.0
237	74	1.21e-03	4.60e-04	-0.78	-2.30e-05	0.0	0.0
238	1	1.21e-03	7.95e-04	-1.01	-3.94e-05	-1.68e-05	0.0
238	2	1.07e-03	1.02e-03	-1.11	-5.05e-05	-5.26e-05	0.0
238	9	0.28	0.09	-0.91	-8.36e-04	3.30e-04	0.0
238	25	0.08	0.34	-0.92	-2.84e-03	1.46e-04	0.0
238	27	-0.09	0.36	-0.85	-2.90e-03	-5.55e-05	0.0
238	41	0.10	0.03	-0.82	-3.21e-04	1.11e-04	0.0
238	57	0.03	0.12	-0.83	-1.04e-03	4.43e-05	0.0
238	59	-0.03	0.13	-0.80	-1.06e-03	-2.83e-05	0.0
238	69	9.32e-04	6.12e-04	-0.78	-3.03e-05	-1.29e-05	0.0
238	70	9.32e-04	6.12e-04	-0.78	-3.03e-05	-1.29e-05	0.0
238	71	8.39e-04	7.61e-04	-0.85	-3.77e-05	-3.68e-05	0.0
238	72	9.32e-04	6.12e-04	-0.78	-3.03e-05	-1.29e-05	0.0
238	73	9.14e-04	6.41e-04	-0.79	-3.18e-05	-1.77e-05	0.0
238	74	9.32e-04	6.12e-04	-0.78	-3.03e-05	-1.29e-05	0.0
239	2	1.75e-03	1.17e-03	-1.12	-5.82e-05	-1.67e-05	0.0
239	6	0.28	-0.07	-0.82	6.97e-04	2.99e-04	0.0
239	25	0.08	0.33	-0.90	-2.73e-03	1.43e-04	0.0
239	27	-0.09	0.34	-0.86	-2.78e-03	-4.29e-05	0.0
239	38	0.10	-0.03	-0.79	2.29e-04	1.11e-04	0.0
239	57	0.03	0.12	-0.82	-1.01e-03	5.49e-05	0.0
239	59	-0.03	0.12	-0.81	-1.03e-03	-1.22e-05	0.0
239	69	1.28e-03	7.02e-04	-0.78	-3.50e-05	5.20e-06	0.0
239	71	1.34e-03	8.73e-04	-0.85	-4.35e-05	-1.05e-05	0.0
239	73	1.29e-03	7.36e-04	-0.79	-3.67e-05	2.07e-06	0.0
239	74	1.28e-03	7.02e-04	-0.78	-3.50e-05	5.20e-06	0.0
240	2	2.60e-03	1.06e-03	-1.12	-5.27e-05	2.75e-05	0.0
240	6	0.28	-0.07	-0.80	6.74e-04	2.68e-04	0.0
240	21	0.08	0.33	-0.89	-2.68e-03	1.46e-04	0.0
240	25	0.08	0.32	-0.89	-2.63e-03	1.47e-04	0.0
240	38	0.10	-0.03	-0.78	2.23e-04	1.16e-04	0.0
240	53	0.03	0.12	-0.82	-9.86e-04	7.15e-05	0.0
240	57	0.03	0.11	-0.82	-9.69e-04	7.18e-05	0.0
240	69	1.74e-03	6.34e-04	-0.78	-3.17e-05	2.92e-05	0.0
240	71	1.97e-03	7.88e-04	-0.85	-3.93e-05	2.22e-05	0.0
240	73	1.79e-03	6.65e-04	-0.79	-3.32e-05	2.78e-05	0.0
240	74	1.74e-03	6.34e-04	-0.78	-3.17e-05	2.92e-05	0.0
241	2	2.73e-03	-6.48e-04	-1.11	3.25e-05	2.89e-05	0.0
241	6	0.28	-0.08	-0.98	8.40e-04	4.52e-04	0.0
241	18	0.29	-0.09	-0.97	9.02e-04	4.39e-04	0.0
241	24	-0.09	-0.39	-0.85	3.18e-03	1.83e-06	0.0
241	38	0.10	-0.03	-0.85	3.16e-04	1.91e-04	0.0
241	50	0.10	-0.03	-0.85	3.38e-04	1.87e-04	0.0
241	56	-0.03	-0.14	-0.81	1.16e-03	2.86e-05	0.0
241	69	2.08e-03	-3.97e-04	-0.78	1.99e-05	4.38e-05	0.0
241	71	2.10e-03	-4.85e-04	-0.84	2.44e-05	2.51e-05	0.0
241	73	2.08e-03	-4.15e-04	-0.79	2.08e-05	4.00e-05	0.0
241	74	2.08e-03	-3.97e-04	-0.78	1.99e-05	4.38e-05	0.0
242	1	1.57e-03	-5.98e-04	-1.01	3.00e-05	0.0	0.0
242	2	1.40e-03	-7.61e-04	-1.11	3.82e-05	-3.70e-05	0.0
242	6	0.28	-0.08	-0.95	8.06e-04	3.69e-04	0.0
242	18	0.28	-0.09	-0.94	8.65e-04	3.59e-04	0.0
242	24	-0.09	-0.37	-0.85	3.03e-03	-4.04e-05	0.0
242	38	0.10	-0.03	-0.84	3.06e-04	1.34e-04	0.0
242	50	0.10	-0.03	-0.83	3.27e-04	1.30e-04	0.0
242	56	-0.03	-0.13	-0.80	1.11e-03	-1.43e-05	0.0
242	69	1.21e-03	-4.60e-04	-0.78	2.31e-05	0.0	0.0
242	70	1.21e-03	-4.60e-04	-0.78	2.31e-05	0.0	0.0
242	71	1.09e-03	-5.69e-04	-0.84	2.85e-05	-2.46e-05	0.0
242	72	1.21e-03	-4.60e-04	-0.78	2.31e-05	0.0	0.0
242	73	1.18e-03	-4.82e-04	-0.79	2.41e-05	-4.53e-06	0.0
242	74	1.21e-03	-4.60e-04	-0.78	2.31e-05	0.0	0.0
243	2	2.67e-03	8.24e-04	-1.11	-4.16e-05	3.14e-05	0.0
243	6	0.28	-0.07	-0.78	6.64e-04	2.03e-04	0.0
243	21	0.08	0.32	-0.88	-2.58e-03	1.21e-04	0.0
243	25	0.08	0.31	-0.88	-2.54e-03	1.22e-04	0.0
243	38	0.10	-0.03	-0.77	2.23e-04	9.24e-05	0.0

243	53	0.03	0.11	-0.81	-9.48e-04	6.28e-05	0.0
243	57	0.03	0.11	-0.81	-9.33e-04	6.32e-05	0.0
243	69	1.75e-03	4.95e-04	-0.77	-2.50e-05	2.96e-05	0.0
243	71	2.01e-03	6.16e-04	-0.85	-3.11e-05	2.49e-05	0.0
243	73	1.80e-03	5.19e-04	-0.79	-2.62e-05	2.87e-05	0.0
243	74	1.75e-03	4.95e-04	-0.77	-2.50e-05	2.96e-05	0.0
244	2	1.90e-03	7.07e-04	-1.11	-3.56e-05	-6.96e-06	0.0
244	9	0.28	0.08	-0.82	-7.32e-04	1.50e-04	0.0
244	25	0.08	0.29	-0.87	-2.46e-03	8.62e-05	0.0
244	27	-0.09	0.31	-0.86	-2.49e-03	0.0	0.0
244	41	0.10	0.03	-0.79	-2.78e-04	5.77e-05	0.0
244	57	0.03	0.11	-0.81	-9.00e-04	3.44e-05	0.0
244	59	-0.03	0.11	-0.80	-9.13e-04	3.09e-06	0.0
244	69	1.26e-03	4.24e-04	-0.77	-2.14e-05	5.02e-06	0.0
244	71	1.44e-03	5.28e-04	-0.84	-2.66e-05	-3.97e-06	0.0
244	73	1.29e-03	4.45e-04	-0.79	-2.24e-05	3.23e-06	0.0
244	74	1.26e-03	4.24e-04	-0.77	-2.14e-05	5.02e-06	0.0
245	1	1.21e-03	-7.95e-04	-1.01	3.94e-05	-1.68e-05	0.0
245	2	1.07e-03	-1.02e-03	-1.11	5.05e-05	-5.26e-05	0.0
245	18	0.28	-0.09	-0.91	8.36e-04	3.30e-04	0.0
245	22	0.08	-0.34	-0.92	2.84e-03	1.46e-04	0.0
245	24	-0.09	-0.36	-0.85	2.90e-03	-5.55e-05	0.0
245	50	0.10	-0.03	-0.82	3.21e-04	1.11e-04	0.0
245	54	0.03	-0.12	-0.83	1.04e-03	4.43e-05	0.0
245	56	-0.03	-0.13	-0.80	1.06e-03	-2.83e-05	0.0
245	69	9.32e-04	-6.12e-04	-0.78	3.03e-05	-1.29e-05	0.0
245	70	9.32e-04	-6.12e-04	-0.78	3.03e-05	-1.29e-05	0.0
245	71	8.39e-04	-7.61e-04	-0.85	3.77e-05	-3.68e-05	0.0
245	72	9.32e-04	-6.12e-04	-0.78	3.03e-05	-1.29e-05	0.0
245	73	9.14e-04	-6.42e-04	-0.79	3.18e-05	-1.77e-05	0.0
245	74	9.32e-04	-6.12e-04	-0.78	3.03e-05	-1.29e-05	0.0
246	2	9.00e-04	7.47e-04	-1.12	-3.75e-05	-5.71e-05	0.0
246	9	0.28	0.08	-0.81	-7.11e-04	1.18e-04	0.0
246	25	0.08	0.28	-0.87	-2.38e-03	5.17e-05	0.0
246	27	-0.09	0.29	-0.86	-2.41e-03	-3.37e-05	0.0
246	41	0.10	0.03	-0.79	-2.71e-04	2.59e-05	0.0
246	57	0.03	0.10	-0.81	-8.73e-04	1.90e-06	0.0
246	59	-0.03	0.11	-0.80	-8.84e-04	-2.90e-05	0.0
246	69	6.36e-04	4.48e-04	-0.77	-2.24e-05	-2.63e-05	0.0
246	71	6.85e-04	5.58e-04	-0.85	-2.80e-05	-4.16e-05	0.0
246	73	6.46e-04	4.70e-04	-0.79	-2.36e-05	-2.94e-05	0.0
246	74	6.36e-04	4.48e-04	-0.77	-2.24e-05	-2.63e-05	0.0
247	2	1.75e-03	-1.17e-03	-1.12	5.83e-05	-1.67e-05	0.0
247	13	0.28	0.07	-0.82	-6.97e-04	2.99e-04	0.0
247	22	0.08	-0.33	-0.90	2.73e-03	1.43e-04	0.0
247	24	-0.09	-0.34	-0.86	2.78e-03	-4.29e-05	0.0
247	45	0.10	0.03	-0.79	-2.29e-04	1.11e-04	0.0
247	54	0.03	-0.12	-0.82	1.01e-03	5.49e-05	0.0
247	56	-0.03	-0.12	-0.81	1.03e-03	-1.22e-05	0.0
247	69	1.28e-03	-7.02e-04	-0.78	3.50e-05	5.21e-06	0.0
247	71	1.34e-03	-8.73e-04	-0.85	4.35e-05	-1.05e-05	0.0
247	73	1.29e-03	-7.36e-04	-0.79	3.67e-05	2.07e-06	0.0
247	74	1.28e-03	-7.02e-04	-0.78	3.50e-05	5.21e-06	0.0
248	1	3.63e-04	7.46e-04	-1.01	-3.71e-05	-5.78e-05	0.0
248	2	3.27e-04	9.57e-04	-1.12	-4.77e-05	-8.60e-05	0.0
248	9	0.28	0.08	-0.79	-6.98e-04	1.21e-04	0.0
248	23	-0.09	0.28	-0.87	-2.31e-03	-6.12e-05	0.0
248	27	-0.09	0.28	-0.87	-2.31e-03	-6.21e-05	0.0
248	41	0.10	0.03	-0.78	-2.70e-04	1.55e-05	0.0
248	55	-0.03	0.10	-0.81	-8.53e-04	-5.06e-05	0.0
248	59	-0.03	0.10	-0.81	-8.52e-04	-5.09e-05	0.0
248	69	2.79e-04	5.73e-04	-0.78	-2.85e-05	-4.45e-05	0.0
248	70	2.79e-04	5.73e-04	-0.78	-2.85e-05	-4.45e-05	0.0
248	71	2.55e-04	7.15e-04	-0.85	-3.56e-05	-6.33e-05	0.0
248	72	2.79e-04	5.73e-04	-0.78	-2.85e-05	-4.45e-05	0.0
248	73	2.74e-04	6.02e-04	-0.79	-2.99e-05	-4.82e-05	0.0
248	74	2.79e-04	5.73e-04	-0.78	-2.85e-05	-4.45e-05	0.0
249	2	2.60e-03	-1.05e-03	-1.12	5.27e-05	2.75e-05	0.0
249	13	0.28	0.07	-0.80	-6.74e-04	2.68e-04	0.0
249	22	0.08	-0.32	-0.89	2.63e-03	1.47e-04	0.0
249	26	0.08	-0.33	-0.89	2.68e-03	1.46e-04	0.0
249	45	0.10	0.03	-0.78	-2.23e-04	1.16e-04	0.0
249	54	0.03	-0.11	-0.82	9.69e-04	7.18e-05	0.0
249	58	0.03	-0.12	-0.82	9.86e-04	7.15e-05	0.0
249	69	1.74e-03	-6.34e-04	-0.78	3.17e-05	2.92e-05	0.0
249	71	1.97e-03	-7.88e-04	-0.85	3.93e-05	2.22e-05	0.0

249	73	1.79e-03	-6.65e-04	-0.79	3.32e-05	2.78e-05	0.0
249	74	1.74e-03	-6.34e-04	-0.78	3.17e-05	2.92e-05	0.0
250	1	4.15e-04	8.56e-04	-1.01	-4.27e-05	-5.53e-05	0.0
250	2	4.05e-04	1.10e-03	-1.13	-5.48e-05	-8.18e-05	0.0
250	9	0.28	0.08	-0.78	-6.94e-04	1.25e-04	0.0
250	21	0.08	0.27	-0.87	-2.29e-03	2.85e-05	0.0
250	23	-0.09	0.27	-0.88	-2.27e-03	-7.03e-05	0.0
250	41	0.10	0.03	-0.78	-2.71e-04	1.80e-05	0.0
250	53	0.03	0.10	-0.81	-8.47e-04	-1.69e-05	0.0
250	55	-0.03	0.10	-0.82	-8.39e-04	-5.26e-05	0.0
250	69	3.19e-04	6.58e-04	-0.78	-3.28e-05	-4.25e-05	0.0
250	70	3.19e-04	6.58e-04	-0.78	-3.28e-05	-4.25e-05	0.0
250	71	3.13e-04	8.21e-04	-0.86	-4.09e-05	-6.02e-05	0.0
250	72	3.19e-04	6.58e-04	-0.78	-3.28e-05	-4.25e-05	0.0
250	73	3.18e-04	6.91e-04	-0.79	-3.44e-05	-4.61e-05	0.0
250	74	3.19e-04	6.58e-04	-0.78	-3.28e-05	-4.25e-05	0.0
251	2	5.87e-04	1.03e-03	-1.14	-5.14e-05	-7.25e-05	0.0
251	9	0.28	0.07	-0.78	-6.14e-04	9.07e-05	0.0
251	21	0.08	0.26	-0.87	-2.22e-03	1.71e-05	0.0
251	23	-0.09	0.26	-0.89	-2.25e-03	-5.88e-05	0.0
251	41	0.10	0.03	-0.78	-2.41e-04	8.97e-06	0.0
251	53	0.03	0.10	-0.81	-8.22e-04	-1.77e-05	0.0
251	55	-0.03	0.09	-0.82	-8.30e-04	-4.51e-05	0.0
251	69	4.25e-04	6.16e-04	-0.78	-3.07e-05	-3.73e-05	0.0
251	71	4.48e-04	7.69e-04	-0.86	-3.84e-05	-5.33e-05	0.0
251	73	4.30e-04	6.46e-04	-0.80	-3.22e-05	-4.05e-05	0.0
251	74	4.25e-04	6.16e-04	-0.78	-3.07e-05	-3.73e-05	0.0
252	2	1.90e-03	-7.07e-04	-1.11	3.56e-05	-6.96e-06	0.0
252	18	0.28	-0.08	-0.82	7.32e-04	1.50e-04	0.0
252	22	0.08	-0.29	-0.87	2.46e-03	8.62e-05	0.0
252	24	-0.09	-0.31	-0.86	2.49e-03	0.0	0.0
252	50	0.10	-0.03	-0.79	2.78e-04	5.77e-05	0.0
252	54	0.03	-0.11	-0.81	9.00e-04	3.44e-05	0.0
252	56	-0.03	-0.11	-0.80	9.13e-04	3.09e-06	0.0
252	69	1.26e-03	-4.24e-04	-0.77	2.14e-05	5.03e-06	0.0
252	71	1.44e-03	-5.28e-04	-0.84	2.66e-05	-3.97e-06	0.0
252	73	1.29e-03	-4.45e-04	-0.79	2.24e-05	3.23e-06	0.0
252	74	1.26e-03	-4.24e-04	-0.77	2.14e-05	5.03e-06	0.0
253	2	2.67e-03	-8.24e-04	-1.11	4.16e-05	3.14e-05	0.0
253	13	0.28	0.07	-0.78	-6.64e-04	2.03e-04	0.0
253	22	0.08	-0.31	-0.88	2.54e-03	1.22e-04	0.0
253	26	0.08	-0.32	-0.88	2.58e-03	1.21e-04	0.0
253	45	0.10	0.03	-0.77	-2.23e-04	9.24e-05	0.0
253	54	0.03	-0.11	-0.81	9.33e-04	6.31e-05	0.0
253	58	0.03	-0.11	-0.81	9.48e-04	6.28e-05	0.0
253	69	1.75e-03	-4.95e-04	-0.77	2.50e-05	2.96e-05	0.0
253	71	2.01e-03	-6.15e-04	-0.85	3.11e-05	2.49e-05	0.0
253	73	1.80e-03	-5.19e-04	-0.79	2.62e-05	2.87e-05	0.0
253	74	1.75e-03	-4.95e-04	-0.77	2.50e-05	2.96e-05	0.0
254	1	3.85e-04	7.05e-04	-1.02	-3.55e-05	-5.74e-05	0.0
254	2	3.76e-04	9.09e-04	-1.14	-4.57e-05	-8.33e-05	0.0
254	9	0.28	0.07	-0.77	-6.20e-04	2.26e-05	0.0
254	21	0.08	0.25	-0.87	-2.20e-03	-9.65e-06	0.0
254	23	-0.09	0.25	-0.89	-2.22e-03	-5.15e-05	0.0
254	41	0.10	0.03	-0.78	-2.41e-04	-1.99e-05	0.0
254	53	0.03	0.09	-0.82	-8.10e-04	-3.17e-05	0.0
254	55	-0.03	0.09	-0.83	-8.17e-04	-4.68e-05	0.0
254	69	2.96e-04	5.43e-04	-0.79	-2.73e-05	-4.42e-05	0.0
254	70	2.96e-04	5.43e-04	-0.79	-2.73e-05	-4.42e-05	0.0
254	71	2.90e-04	6.78e-04	-0.87	-3.41e-05	-6.15e-05	0.0
254	72	2.96e-04	5.43e-04	-0.79	-2.73e-05	-4.42e-05	0.0
254	73	2.95e-04	5.70e-04	-0.80	-2.87e-05	-4.76e-05	0.0
254	74	2.96e-04	5.43e-04	-0.79	-2.73e-05	-4.42e-05	0.0
255	2	9.00e-04	-7.46e-04	-1.12	3.75e-05	-5.71e-05	0.0
255	18	0.28	-0.08	-0.81	7.11e-04	1.18e-04	0.0
255	22	0.08	-0.28	-0.87	2.38e-03	5.17e-05	0.0
255	24	-0.09	-0.29	-0.86	2.41e-03	-3.37e-05	0.0
255	50	0.10	-0.03	-0.79	2.71e-04	2.59e-05	0.0
255	54	0.03	-0.10	-0.81	8.73e-04	1.90e-06	0.0
255	56	-0.03	-0.11	-0.80	8.84e-04	-2.90e-05	0.0
255	69	6.36e-04	-4.47e-04	-0.77	2.24e-05	-2.63e-05	0.0
255	71	6.85e-04	-5.57e-04	-0.85	2.80e-05	-4.16e-05	0.0
255	73	6.46e-04	-4.69e-04	-0.79	2.35e-05	-2.94e-05	0.0
255	74	6.36e-04	-4.47e-04	-0.77	2.24e-05	-2.63e-05	0.0
256	2	-4.95e-05	8.77e-04	-1.15	-4.44e-05	-1.05e-04	0.0
256	4	-5.99e-05	7.21e-04	-0.91	-3.64e-05	-8.76e-05	0.0

256	9	0.28	0.07	-0.77	-6.38e-04	-2.99e-05	0.0
256	23	-0.09	0.25	-0.90	-2.18e-03	-5.22e-05	0.0
256	41	0.10	0.03	-0.78	-2.47e-04	-4.74e-05	0.0
256	55	-0.03	0.09	-0.83	-8.05e-04	-5.58e-05	0.0
256	69	3.46e-05	5.22e-04	-0.79	-2.64e-05	-5.76e-05	0.0
256	70	3.46e-05	5.22e-04	-0.79	-2.64e-05	-5.76e-05	0.0
256	71	-2.84e-05	6.54e-04	-0.87	-3.31e-05	-7.76e-05	0.0
256	72	3.46e-05	5.22e-04	-0.79	-2.64e-05	-5.76e-05	0.0
256	73	2.20e-05	5.49e-04	-0.81	-2.77e-05	-6.16e-05	0.0
256	74	3.46e-05	5.22e-04	-0.79	-2.64e-05	-5.76e-05	0.0
257	1	3.63e-04	-7.49e-04	-1.01	3.73e-05	-5.79e-05	0.0
257	2	3.27e-04	-9.62e-04	-1.12	4.79e-05	-8.60e-05	0.0
257	18	0.28	-0.08	-0.79	6.98e-04	1.21e-04	0.0
257	24	-0.09	-0.28	-0.87	2.31e-03	-6.19e-05	0.0
257	28	-0.09	-0.28	-0.87	2.31e-03	-6.10e-05	0.0
257	50	0.10	-0.03	-0.78	2.70e-04	1.55e-05	0.0
257	56	-0.03	-0.10	-0.81	8.53e-04	-5.08e-05	0.0
257	60	-0.03	-0.10	-0.81	8.54e-04	-5.05e-05	0.0
257	69	2.79e-04	-5.76e-04	-0.78	2.87e-05	-4.45e-05	0.0
257	70	2.79e-04	-5.76e-04	-0.78	2.87e-05	-4.45e-05	0.0
257	71	2.55e-04	-7.18e-04	-0.85	3.58e-05	-6.33e-05	0.0
257	72	2.79e-04	-5.76e-04	-0.78	2.87e-05	-4.45e-05	0.0
257	73	2.74e-04	-6.05e-04	-0.79	3.01e-05	-4.83e-05	0.0
257	74	2.79e-04	-5.76e-04	-0.78	2.87e-05	-4.45e-05	0.0
258	2	-3.42e-05	1.02e-03	-1.16	-5.19e-05	-1.04e-04	0.0
258	4	-4.35e-05	8.37e-04	-0.92	-4.27e-05	-8.66e-05	0.0
258	9	0.28	0.07	-0.78	-6.61e-04	-3.59e-05	0.0
258	23	-0.09	0.24	-0.90	-2.16e-03	-5.54e-05	0.0
258	33	0.09	0.25	-0.87	-2.15e-03	-6.45e-05	0.0
258	41	0.10	0.03	-0.79	-2.58e-04	-4.97e-05	0.0
258	55	-0.03	0.09	-0.83	-8.00e-04	-5.71e-05	0.0
258	65	0.03	0.09	-0.82	-7.95e-04	-6.02e-05	0.0
258	69	3.11e-05	6.05e-04	-0.79	-3.08e-05	-5.79e-05	0.0
258	70	3.11e-05	6.05e-04	-0.79	-3.08e-05	-5.79e-05	0.0
258	71	-1.87e-05	7.60e-04	-0.88	-3.87e-05	-7.71e-05	0.0
258	72	3.11e-05	6.05e-04	-0.79	-3.08e-05	-5.79e-05	0.0
258	73	2.11e-05	6.36e-04	-0.81	-3.24e-05	-6.17e-05	0.0
258	74	3.11e-05	6.05e-04	-0.79	-3.08e-05	-5.79e-05	0.0
259	1	4.15e-04	-8.45e-04	-1.01	4.21e-05	-5.53e-05	0.0
259	2	4.04e-04	-1.09e-03	-1.13	5.42e-05	-8.18e-05	0.0
259	18	0.28	-0.08	-0.78	6.93e-04	1.25e-04	0.0
259	26	0.08	-0.27	-0.87	2.29e-03	2.82e-05	0.0
259	28	-0.09	-0.27	-0.88	2.27e-03	-7.06e-05	0.0
259	50	0.10	-0.03	-0.78	2.71e-04	1.79e-05	0.0
259	58	0.03	-0.10	-0.81	8.47e-04	-1.70e-05	0.0
259	60	-0.03	-0.10	-0.82	8.39e-04	-5.27e-05	0.0
259	69	3.19e-04	-6.50e-04	-0.78	3.24e-05	-4.26e-05	0.0
259	70	3.19e-04	-6.50e-04	-0.78	3.24e-05	-4.26e-05	0.0
259	71	3.12e-04	-8.10e-04	-0.86	4.04e-05	-6.02e-05	0.0
259	72	3.19e-04	-6.50e-04	-0.78	3.24e-05	-4.26e-05	0.0
259	73	3.18e-04	-6.82e-04	-0.79	3.40e-05	-4.61e-05	0.0
259	74	3.19e-04	-6.50e-04	-0.78	3.24e-05	-4.26e-05	0.0
260	2	5.86e-04	-1.02e-03	-1.14	5.07e-05	-7.25e-05	0.0
260	18	0.28	-0.07	-0.77	6.13e-04	9.07e-05	0.0
260	26	0.08	-0.26	-0.87	2.22e-03	1.69e-05	0.0
260	28	-0.09	-0.26	-0.89	2.25e-03	-5.91e-05	0.0
260	50	0.10	-0.03	-0.78	2.41e-04	8.93e-06	0.0
260	58	0.03	-0.10	-0.81	8.21e-04	-1.78e-05	0.0
260	60	-0.03	-0.09	-0.82	8.29e-04	-4.52e-05	0.0
260	69	4.25e-04	-6.08e-04	-0.78	3.03e-05	-3.73e-05	0.0
260	71	4.47e-04	-7.58e-04	-0.86	3.79e-05	-5.33e-05	0.0
260	73	4.29e-04	-6.38e-04	-0.80	3.18e-05	-4.05e-05	0.0
260	74	4.25e-04	-6.08e-04	-0.78	3.03e-05	-3.73e-05	0.0
261	2	1.15e-03	1.35e-03	-1.17	-6.89e-05	-4.33e-05	0.0
261	9	0.28	0.07	-0.78	-6.94e-04	2.64e-05	0.0
261	31	-0.08	0.26	-0.91	-2.18e-03	-5.18e-05	0.0
261	35	-0.08	0.26	-0.91	-2.18e-03	-5.28e-05	0.0
261	41	0.10	0.03	-0.79	-2.77e-04	-5.09e-06	0.0
261	63	-0.03	0.09	-0.84	-8.12e-04	-3.33e-05	0.0
261	67	-0.03	0.09	-0.84	-8.13e-04	-3.37e-05	0.0
261	69	7.19e-04	8.02e-04	-0.80	-4.09e-05	-2.29e-05	0.0
261	71	8.64e-04	1.01e-03	-0.88	-5.14e-05	-3.19e-05	0.0
261	73	7.48e-04	8.44e-04	-0.82	-4.30e-05	-2.47e-05	0.0
261	74	7.19e-04	8.02e-04	-0.80	-4.09e-05	-2.29e-05	0.0
262	2	4.03e-03	1.83e-03	-1.16	-9.09e-05	1.03e-04	0.0
262	9	0.28	0.07	-0.77	-7.18e-04	1.52e-04	0.0

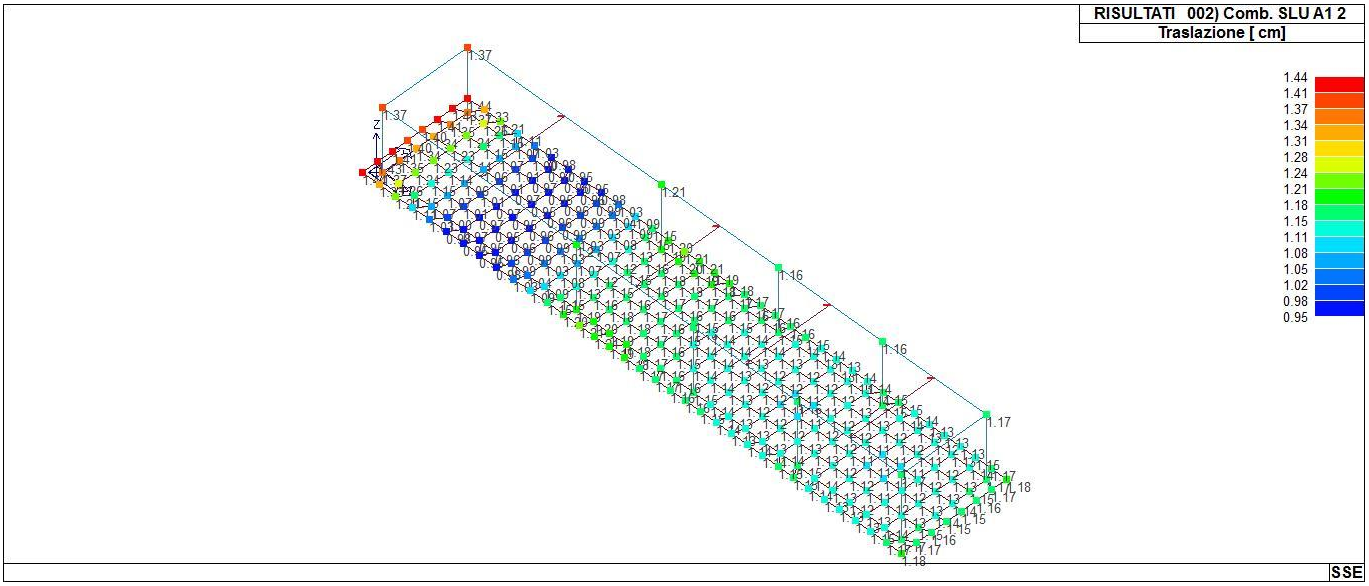
262	31	-0.08	0.27	-0.91	-2.21e-03	2.22e-05	0.0
262	35	-0.08	0.27	-0.91	-2.21e-03	2.13e-05	0.0
262	41	0.10	0.03	-0.79	-2.93e-04	9.46e-05	0.0
262	63	-0.03	0.10	-0.84	-8.31e-04	4.79e-05	0.0
262	67	-0.03	0.10	-0.84	-8.32e-04	4.76e-05	0.0
262	69	2.40e-03	1.08e-03	-0.80	-5.39e-05	6.24e-05	0.0
262	71	3.00e-03	1.36e-03	-0.88	-6.78e-05	7.67e-05	0.0
262	73	2.52e-03	1.14e-03	-0.81	-5.66e-05	6.53e-05	0.0
262	74	2.40e-03	1.08e-03	-0.80	-5.39e-05	6.24e-05	0.0
263	1	3.85e-04	-7.05e-04	-1.02	3.55e-05	-5.74e-05	0.0
263	2	3.76e-04	-9.08e-04	-1.14	4.57e-05	-8.33e-05	0.0
263	18	0.28	-0.07	-0.77	6.20e-04	2.26e-05	0.0
263	26	0.08	-0.25	-0.87	2.20e-03	-9.67e-06	0.0
263	28	-0.09	-0.25	-0.89	2.22e-03	-5.15e-05	0.0
263	50	0.10	-0.03	-0.78	2.41e-04	-1.99e-05	0.0
263	58	0.03	-0.09	-0.82	8.10e-04	-3.17e-05	0.0
263	60	-0.03	-0.09	-0.83	8.17e-04	-4.69e-05	0.0
263	69	2.96e-04	-5.42e-04	-0.79	2.73e-05	-4.42e-05	0.0
263	70	2.96e-04	-5.42e-04	-0.79	2.73e-05	-4.42e-05	0.0
263	71	2.90e-04	-6.78e-04	-0.87	3.41e-05	-6.15e-05	0.0
263	72	2.96e-04	-5.42e-04	-0.79	2.73e-05	-4.42e-05	0.0
263	73	2.95e-04	-5.69e-04	-0.80	2.86e-05	-4.76e-05	0.0
263	74	2.96e-04	-5.42e-04	-0.79	2.73e-05	-4.42e-05	0.0
264	2	7.98e-03	2.06e-03	-1.15	-1.02e-04	3.06e-04	0.0
264	9	0.28	0.07	-0.75	-7.00e-04	2.81e-04	0.0
264	33	0.09	0.28	-0.87	-2.24e-03	1.97e-04	0.0
264	35	-0.07	0.27	-0.91	-2.26e-03	1.34e-04	0.0
264	41	0.11	0.03	-0.78	-2.91e-04	2.17e-04	0.0
264	65	0.04	0.10	-0.82	-8.47e-04	1.87e-04	0.0
264	67	-0.02	0.10	-0.83	-8.52e-04	1.64e-04	0.0
264	69	4.72e-03	1.22e-03	-0.79	-6.03e-05	1.81e-04	0.0
264	71	5.95e-03	1.54e-03	-0.87	-7.60e-05	2.28e-04	0.0
264	73	4.97e-03	1.28e-03	-0.80	-6.34e-05	1.91e-04	0.0
264	74	4.72e-03	1.22e-03	-0.79	-6.03e-05	1.81e-04	0.0
265	2	-4.95e-05	-8.76e-04	-1.15	4.43e-05	-1.05e-04	0.0
265	4	-5.99e-05	-7.20e-04	-0.91	3.64e-05	-8.76e-05	0.0
265	18	0.28	-0.07	-0.77	6.38e-04	-3.00e-05	0.0
265	28	-0.09	-0.25	-0.90	2.18e-03	-5.23e-05	0.0
265	50	0.10	-0.03	-0.78	2.47e-04	-4.74e-05	0.0
265	60	-0.03	-0.09	-0.83	8.05e-04	-5.58e-05	0.0
265	69	3.46e-05	-5.22e-04	-0.79	2.64e-05	-5.76e-05	0.0
265	70	3.46e-05	-5.22e-04	-0.79	2.64e-05	-5.76e-05	0.0
265	71	-2.84e-05	-6.54e-04	-0.87	3.31e-05	-7.76e-05	0.0
265	72	3.46e-05	-5.22e-04	-0.79	2.64e-05	-5.76e-05	0.0
265	73	2.20e-05	-5.48e-04	-0.81	2.77e-05	-6.16e-05	0.0
265	74	3.46e-05	-5.22e-04	-0.79	2.64e-05	-5.76e-05	0.0
266	2	0.01	1.80e-03	-1.12	-8.87e-05	4.82e-04	0.0
266	9	0.28	0.07	-0.73	-6.94e-04	3.45e-04	0.0
266	33	0.09	0.29	-0.85	-2.26e-03	2.79e-04	0.0
266	35	-0.07	0.28	-0.90	-2.28e-03	2.36e-04	0.0
266	41	0.11	0.03	-0.75	-2.84e-04	3.06e-04	0.0
266	65	0.04	0.11	-0.80	-8.49e-04	2.82e-04	0.0
266	67	-0.02	0.10	-0.81	-8.58e-04	2.67e-04	0.0
266	69	6.71e-03	1.07e-03	-0.77	-5.24e-05	2.84e-04	0.0
266	71	8.49e-03	1.35e-03	-0.85	-6.61e-05	3.59e-04	0.0
266	73	7.07e-03	1.12e-03	-0.78	-5.52e-05	2.99e-04	0.0
266	74	6.71e-03	1.07e-03	-0.77	-5.24e-05	2.84e-04	0.0
267	2	-3.44e-05	-1.02e-03	-1.16	5.19e-05	-1.04e-04	0.0
267	4	-4.37e-05	-8.37e-04	-0.92	4.26e-05	-8.66e-05	0.0
267	18	0.28	-0.07	-0.78	6.61e-04	-3.59e-05	0.0
267	28	-0.09	-0.24	-0.90	2.16e-03	-5.54e-05	0.0
267	30	0.09	-0.25	-0.87	2.15e-03	-6.45e-05	0.0
267	50	0.10	-0.03	-0.79	2.58e-04	-4.97e-05	0.0
267	60	-0.03	-0.09	-0.83	8.00e-04	-5.71e-05	0.0
267	62	0.03	-0.09	-0.82	7.95e-04	-6.02e-05	0.0
267	69	3.10e-05	-6.05e-04	-0.79	3.08e-05	-5.79e-05	0.0
267	70	3.10e-05	-6.05e-04	-0.79	3.08e-05	-5.79e-05	0.0
267	71	-1.88e-05	-7.59e-04	-0.88	3.87e-05	-7.71e-05	0.0
267	72	3.10e-05	-6.05e-04	-0.79	3.08e-05	-5.79e-05	0.0
267	73	2.10e-05	-6.36e-04	-0.81	3.24e-05	-6.17e-05	0.0
267	74	3.10e-05	-6.05e-04	-0.79	3.08e-05	-5.79e-05	0.0
268	2	0.01	1.20e-03	-1.07	-6.05e-05	5.70e-04	0.0
268	9	0.28	0.07	-0.70	-6.88e-04	3.51e-04	0.0
268	33	0.09	0.30	-0.83	-2.29e-03	3.08e-04	0.0
268	35	-0.07	0.29	-0.87	-2.32e-03	2.91e-04	0.0
268	41	0.11	0.03	-0.73	-2.71e-04	3.41e-04	0.0

268	65	0.04	0.11	-0.77	-8.51e-04	3.25e-04	0.0
268	67	-0.02	0.11	-0.79	-8.60e-04	3.18e-04	0.0
268	69	7.67e-03	7.07e-04	-0.74	-3.56e-05	3.33e-04	0.0
268	71	9.75e-03	8.93e-04	-0.81	-4.51e-05	4.24e-04	0.0
268	73	8.09e-03	7.44e-04	-0.76	-3.75e-05	3.52e-04	0.0
268	74	7.67e-03	7.07e-04	-0.74	-3.56e-05	3.33e-04	0.0
269	2	0.01	6.74e-04	-1.03	-3.45e-05	5.44e-04	0.0
269	9	0.28	0.07	-0.68	-6.83e-04	2.52e-04	0.0
269	33	0.09	0.31	-0.80	-2.34e-03	2.61e-04	0.0
269	35	-0.07	0.30	-0.85	-2.37e-03	2.89e-04	0.0
269	41	0.11	0.03	-0.70	-2.59e-04	2.91e-04	0.0
269	65	0.04	0.11	-0.75	-8.57e-04	2.95e-04	0.0
269	67	-0.02	0.11	-0.76	-8.67e-04	3.06e-04	0.0
269	69	7.27e-03	3.96e-04	-0.72	-2.02e-05	3.15e-04	0.0
269	71	9.31e-03	5.02e-04	-0.78	-2.57e-05	4.05e-04	0.0
269	73	7.68e-03	4.17e-04	-0.73	-2.13e-05	3.33e-04	0.0
269	74	7.27e-03	3.96e-04	-0.72	-2.02e-05	3.15e-04	0.0
270	2	1.15e-03	-1.35e-03	-1.17	6.89e-05	-4.34e-05	0.0
270	18	0.28	-0.07	-0.78	6.94e-04	2.65e-05	0.0
270	32	-0.08	-0.26	-0.91	2.18e-03	-5.28e-05	0.0
270	36	-0.08	-0.26	-0.91	2.18e-03	-5.18e-05	0.0
270	50	0.10	-0.03	-0.79	2.77e-04	-5.07e-06	0.0
270	64	-0.03	-0.09	-0.84	8.13e-04	-3.37e-05	0.0
270	68	-0.03	-0.09	-0.84	8.12e-04	-3.34e-05	0.0
270	69	7.19e-04	-8.02e-04	-0.80	4.09e-05	-2.29e-05	0.0
270	71	8.64e-04	-1.01e-03	-0.88	5.14e-05	-3.20e-05	0.0
270	73	7.48e-04	-8.43e-04	-0.82	4.30e-05	-2.47e-05	0.0
270	74	7.19e-04	-8.02e-04	-0.80	4.09e-05	-2.29e-05	0.0
271	2	4.03e-03	-1.76e-03	-1.16	8.74e-05	1.03e-04	0.0
271	18	0.28	-0.07	-0.77	7.15e-04	1.52e-04	0.0
271	32	-0.08	-0.27	-0.91	2.21e-03	2.20e-05	0.0
271	36	-0.08	-0.27	-0.91	2.20e-03	2.28e-05	0.0
271	50	0.10	-0.03	-0.79	2.91e-04	9.47e-05	0.0
271	64	-0.03	-0.10	-0.84	8.29e-04	4.79e-05	0.0
271	68	-0.03	-0.10	-0.84	8.29e-04	4.82e-05	0.0
271	69	2.41e-03	-1.04e-03	-0.80	5.18e-05	6.25e-05	0.0
271	71	3.01e-03	-1.31e-03	-0.88	6.51e-05	7.69e-05	0.0
271	73	2.53e-03	-1.09e-03	-0.81	5.45e-05	6.54e-05	0.0
271	74	2.41e-03	-1.04e-03	-0.80	5.18e-05	6.25e-05	0.0
272	2	9.96e-03	3.05e-04	-0.99	-1.58e-05	4.19e-04	0.0
272	9	0.28	0.07	-0.66	-6.83e-04	1.57e-04	0.0
272	33	0.09	0.33	-0.78	-2.44e-03	1.70e-04	0.0
272	35	-0.07	0.31	-0.82	-2.40e-03	2.08e-04	0.0
272	41	0.10	0.03	-0.68	-2.52e-04	2.07e-04	0.0
272	65	0.04	0.12	-0.72	-8.85e-04	2.13e-04	0.0
272	67	-0.02	0.11	-0.74	-8.73e-04	2.27e-04	0.0
272	69	5.69e-03	1.77e-04	-0.69	-9.17e-06	2.37e-04	0.0
272	71	7.40e-03	2.27e-04	-0.75	-1.17e-05	3.11e-04	0.0
272	73	6.03e-03	1.87e-04	-0.71	-9.68e-06	2.52e-04	0.0
272	74	5.69e-03	1.77e-04	-0.69	-9.17e-06	2.37e-04	0.0
273	2	7.98e-03	-1.99e-03	-1.15	9.82e-05	3.06e-04	0.0
273	18	0.28	-0.07	-0.75	6.98e-04	2.80e-04	0.0
273	30	0.09	-0.28	-0.86	2.24e-03	1.98e-04	0.0
273	32	-0.07	-0.27	-0.90	2.25e-03	1.34e-04	0.0
273	50	0.11	-0.03	-0.77	2.89e-04	2.17e-04	0.0
273	62	0.04	-0.10	-0.82	8.45e-04	1.87e-04	0.0
273	64	-0.02	-0.10	-0.83	8.50e-04	1.64e-04	0.0
273	69	4.72e-03	-1.18e-03	-0.79	5.81e-05	1.81e-04	0.0
273	71	5.95e-03	-1.48e-03	-0.87	7.32e-05	2.28e-04	0.0
273	73	4.97e-03	-1.24e-03	-0.80	6.12e-05	1.91e-04	0.0
273	74	4.72e-03	-1.18e-03	-0.79	5.81e-05	1.81e-04	0.0
274	2	5.90e-03	1.03e-04	-0.96	-5.53e-06	2.17e-04	0.0
274	9	0.28	0.08	-0.65	-6.95e-04	3.01e-05	0.0
274	33	0.09	0.34	-0.77	-2.54e-03	2.96e-05	0.0
274	35	-0.07	0.32	-0.81	-2.50e-03	6.69e-05	0.0
274	41	0.10	0.03	-0.67	-2.53e-04	8.19e-05	0.0
274	65	0.03	0.12	-0.71	-9.17e-04	8.32e-05	0.0
274	67	-0.02	0.12	-0.73	-9.03e-04	9.79e-05	0.0
274	69	3.21e-03	5.84e-05	-0.68	-3.12e-06	1.14e-04	0.0
274	71	4.36e-03	7.65e-05	-0.73	-4.10e-06	1.60e-04	0.0
274	73	3.44e-03	6.20e-05	-0.69	-3.32e-06	1.24e-04	0.0
274	74	3.21e-03	5.84e-05	-0.68	-3.12e-06	1.14e-04	0.0
275	2	0.01	-1.80e-03	-1.12	8.84e-05	4.82e-04	0.0
275	18	0.28	-0.07	-0.73	6.94e-04	3.45e-04	0.0
275	30	0.09	-0.29	-0.85	2.26e-03	2.79e-04	0.0
275	32	-0.07	-0.28	-0.89	2.28e-03	2.36e-04	0.0

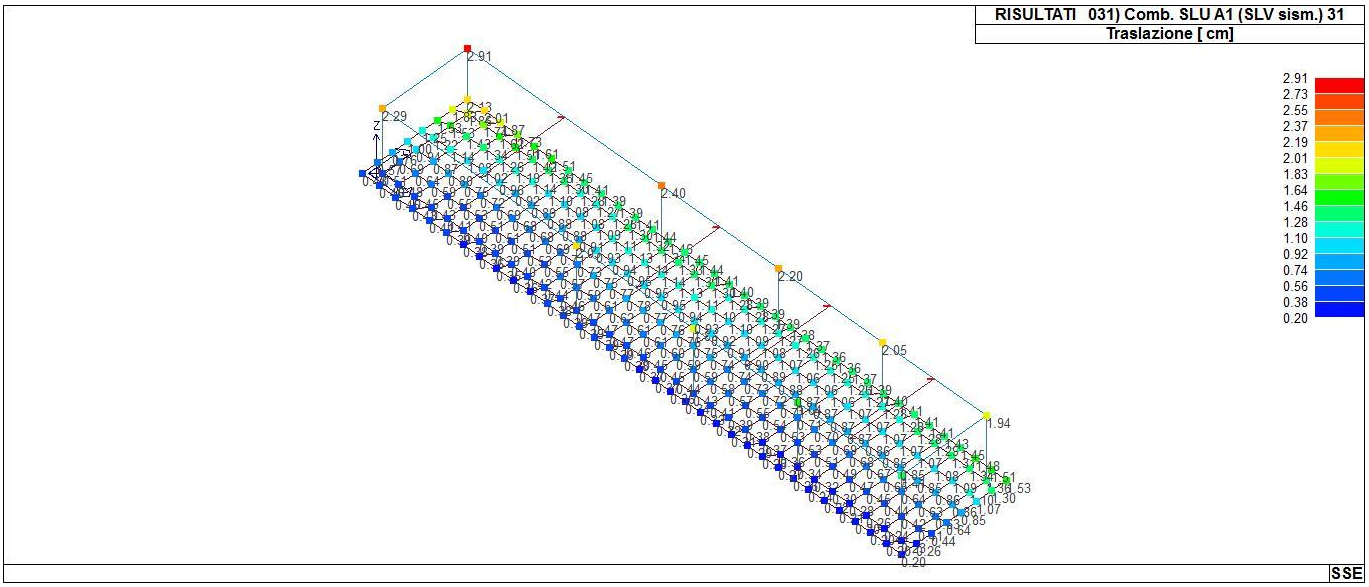
275	50	0.11	-0.03	-0.75	2.84e-04	3.06e-04	0.0
275	62	0.04	-0.11	-0.80	8.49e-04	2.82e-04	0.0
275	64	-0.02	-0.10	-0.81	8.57e-04	2.67e-04	0.0
275	69	6.71e-03	-1.06e-03	-0.77	5.22e-05	2.84e-04	0.0
275	71	8.49e-03	-1.34e-03	-0.85	6.59e-05	3.59e-04	0.0
275	73	7.07e-03	-1.12e-03	-0.78	5.50e-05	2.99e-04	0.0
275	74	6.71e-03	-1.06e-03	-0.77	5.22e-05	2.84e-04	0.0
276	2	7.83e-04	-1.19e-05	-0.95	0.0	-3.68e-05	0.0
276	9	0.28	0.08	-0.65	-7.17e-04	-1.38e-04	0.0
276	35	-0.08	0.34	-0.82	-2.62e-03	-1.01e-04	0.0
276	36	-0.09	-0.35	-0.58	2.67e-03	6.46e-05	0.0
276	41	0.10	0.03	-0.67	-2.59e-04	-7.81e-05	0.0
276	67	-0.03	0.12	-0.73	-9.45e-04	-6.13e-05	0.0
276	68	-0.03	-0.13	-0.64	9.62e-04	-1.71e-06	0.0
276	69	1.06e-04	-8.22e-06	-0.68	0.0	-4.03e-05	0.0
276	71	5.36e-04	-9.03e-06	-0.73	0.0	-2.99e-05	0.0
276	73	1.92e-04	-8.38e-06	-0.69	0.0	-3.82e-05	0.0
276	74	1.06e-04	-8.22e-06	-0.68	0.0	-4.03e-05	0.0
277	2	0.01	-1.18e-03	-1.07	5.93e-05	5.70e-04	0.0
277	18	0.28	-0.07	-0.70	6.88e-04	3.51e-04	0.0
277	30	0.09	-0.30	-0.83	2.29e-03	3.09e-04	0.0
277	32	-0.07	-0.29	-0.87	2.32e-03	2.91e-04	0.0
277	50	0.11	-0.03	-0.73	2.70e-04	3.40e-04	0.0
277	62	0.04	-0.11	-0.77	8.50e-04	3.25e-04	0.0
277	64	-0.02	-0.11	-0.79	8.60e-04	3.18e-04	0.0
277	69	7.67e-03	-6.94e-04	-0.74	3.50e-05	3.33e-04	0.0
277	71	9.75e-03	-8.76e-04	-0.81	4.42e-05	4.24e-04	0.0
277	73	8.08e-03	-7.30e-04	-0.76	3.68e-05	3.51e-04	0.0
277	74	7.67e-03	-6.94e-04	-0.74	3.50e-05	3.33e-04	0.0
278	2	-4.90e-03	-3.13e-05	-0.97	1.40e-06	-3.19e-04	0.0
278	12	-0.28	-0.08	-0.72	7.52e-04	-2.96e-04	0.0
278	30	0.07	-0.37	-0.53	2.83e-03	-7.58e-05	0.0
278	35	-0.08	0.35	-0.84	-2.78e-03	-3.49e-04	0.0
278	44	-0.10	-0.03	-0.70	2.72e-04	-2.45e-04	0.0
278	62	0.02	-0.13	-0.63	1.02e-03	-1.62e-04	0.0
278	67	-0.03	0.13	-0.74	-1.00e-03	-2.62e-04	0.0
278	69	-3.33e-03	-1.69e-05	-0.69	0.0	-2.12e-04	0.0
278	71	-3.71e-03	-2.31e-05	-0.74	1.03e-06	-2.41e-04	0.0
278	73	-3.41e-03	-1.82e-05	-0.70	0.0	-2.18e-04	0.0
278	74	-3.33e-03	-1.69e-05	-0.69	0.0	-2.12e-04	0.0
279	2	0.01	-6.85e-04	-1.03	3.50e-05	5.45e-04	0.0
279	18	0.28	-0.07	-0.68	6.83e-04	2.52e-04	0.0
279	30	0.09	-0.31	-0.80	2.34e-03	2.60e-04	0.0
279	32	-0.07	-0.30	-0.85	2.37e-03	2.89e-04	0.0
279	50	0.11	-0.03	-0.70	2.60e-04	2.92e-04	0.0
279	62	0.04	-0.11	-0.75	8.57e-04	2.95e-04	0.0
279	64	-0.02	-0.11	-0.76	8.67e-04	3.06e-04	0.0
279	69	7.28e-03	-4.02e-04	-0.72	2.06e-05	3.15e-04	0.0
279	71	9.32e-03	-5.10e-04	-0.78	2.61e-05	4.05e-04	0.0
279	73	7.68e-03	-4.24e-04	-0.73	2.17e-05	3.33e-04	0.0
279	74	7.28e-03	-4.02e-04	-0.72	2.06e-05	3.15e-04	0.0
280	2	-0.01	5.37e-05	-1.01	-2.70e-06	-6.05e-04	0.0
280	12	-0.29	-0.08	-0.75	7.90e-04	-5.35e-04	0.0
280	31	-0.09	0.38	-0.87	-3.02e-03	-5.54e-04	0.0
280	35	-0.09	0.36	-0.87	-2.96e-03	-5.55e-04	0.0
280	44	-0.11	-0.03	-0.73	2.84e-04	-4.41e-04	0.0
280	63	-0.04	0.14	-0.77	-1.09e-03	-4.46e-04	0.0
280	67	-0.04	0.13	-0.77	-1.07e-03	-4.47e-04	0.0
280	69	-6.81e-03	3.79e-05	-0.71	-1.90e-06	-3.84e-04	0.0
280	71	-8.00e-03	4.09e-05	-0.77	-2.05e-06	-4.55e-04	0.0
280	73	-7.04e-03	3.85e-05	-0.72	-1.93e-06	-3.99e-04	0.0
280	74	-6.81e-03	3.79e-05	-0.71	-1.90e-06	-3.84e-04	0.0
281	2	9.97e-03	-3.18e-04	-0.99	1.64e-05	4.19e-04	0.0
281	18	0.28	-0.07	-0.66	6.83e-04	1.56e-04	0.0
281	30	0.09	-0.33	-0.78	2.44e-03	1.68e-04	0.0
281	32	-0.07	-0.31	-0.82	2.40e-03	2.06e-04	0.0
281	50	0.10	-0.03	-0.68	2.53e-04	2.07e-04	0.0
281	62	0.04	-0.12	-0.73	8.85e-04	2.12e-04	0.0
281	64	-0.02	-0.11	-0.74	8.73e-04	2.26e-04	0.0
281	69	5.70e-03	-1.85e-04	-0.69	9.53e-06	2.38e-04	0.0
281	71	7.40e-03	-2.37e-04	-0.75	1.22e-05	3.11e-04	0.0
281	73	6.04e-03	-1.95e-04	-0.71	1.01e-05	2.52e-04	0.0
281	74	5.70e-03	-1.85e-04	-0.69	9.53e-06	2.38e-04	0.0
282	2	-0.02	2.56e-04	-1.06	-1.26e-05	-8.69e-04	0.0
282	12	-0.29	-0.08	-0.80	8.29e-04	-7.76e-04	0.0
282	31	-0.09	0.40	-0.93	-3.23e-03	-7.46e-04	0.0

282	35	-0.09	0.38	-0.93	-3.16e-03	-7.48e-04	0.0
282	44	-0.11	-0.03	-0.77	2.94e-04	-6.29e-04	0.0
282	63	-0.04	0.14	-0.81	-1.17e-03	-6.17e-04	0.0
282	67	-0.04	0.14	-0.81	-1.14e-03	-6.18e-04	0.0
282	69	-1.00e-02	1.65e-04	-0.75	-8.12e-06	-5.43e-04	0.0
282	71	-0.01	1.93e-04	-0.81	-9.47e-06	-6.51e-04	0.0
282	73	-0.01	1.70e-04	-0.76	-8.39e-06	-5.65e-04	0.0
282	74	-1.00e-02	1.65e-04	-0.75	-8.12e-06	-5.43e-04	0.0
283	2	5.90e-03	-1.03e-04	-0.96	5.47e-06	2.18e-04	0.0
283	18	0.28	-0.08	-0.65	6.95e-04	3.04e-05	0.0
283	30	0.09	-0.34	-0.77	2.54e-03	3.03e-05	0.0
283	32	-0.07	-0.32	-0.81	2.50e-03	6.77e-05	0.0
283	50	0.10	-0.03	-0.67	2.53e-04	8.21e-05	0.0
283	62	0.03	-0.12	-0.71	9.17e-04	8.35e-05	0.0
283	64	-0.02	-0.12	-0.73	9.03e-04	9.82e-05	0.0
283	69	3.22e-03	-5.84e-05	-0.68	3.09e-06	1.14e-04	0.0
283	71	4.36e-03	-7.64e-05	-0.73	4.06e-06	1.60e-04	0.0
283	73	3.45e-03	-6.20e-05	-0.69	3.28e-06	1.24e-04	0.0
283	74	3.22e-03	-5.84e-05	-0.68	3.09e-06	1.14e-04	0.0
284	2	7.84e-04	1.05e-05	-0.95	0.0	-3.68e-05	0.0
284	18	0.28	-0.08	-0.65	7.17e-04	-1.37e-04	0.0
284	32	-0.08	-0.34	-0.82	2.62e-03	-9.97e-05	0.0
284	33	0.08	0.35	-0.54	-2.67e-03	1.96e-05	0.0
284	50	0.10	-0.03	-0.67	2.58e-04	-7.79e-05	0.0
284	64	-0.03	-0.12	-0.73	9.45e-04	-6.09e-05	0.0
284	65	0.03	0.13	-0.63	-9.62e-04	-1.95e-05	0.0
284	69	1.06e-04	7.33e-06	-0.68	0.0	-4.03e-05	0.0
284	71	5.37e-04	7.96e-06	-0.73	0.0	-2.99e-05	0.0
284	73	1.92e-04	7.46e-06	-0.69	0.0	-3.82e-05	0.0
284	74	1.06e-04	7.33e-06	-0.68	0.0	-4.03e-05	0.0

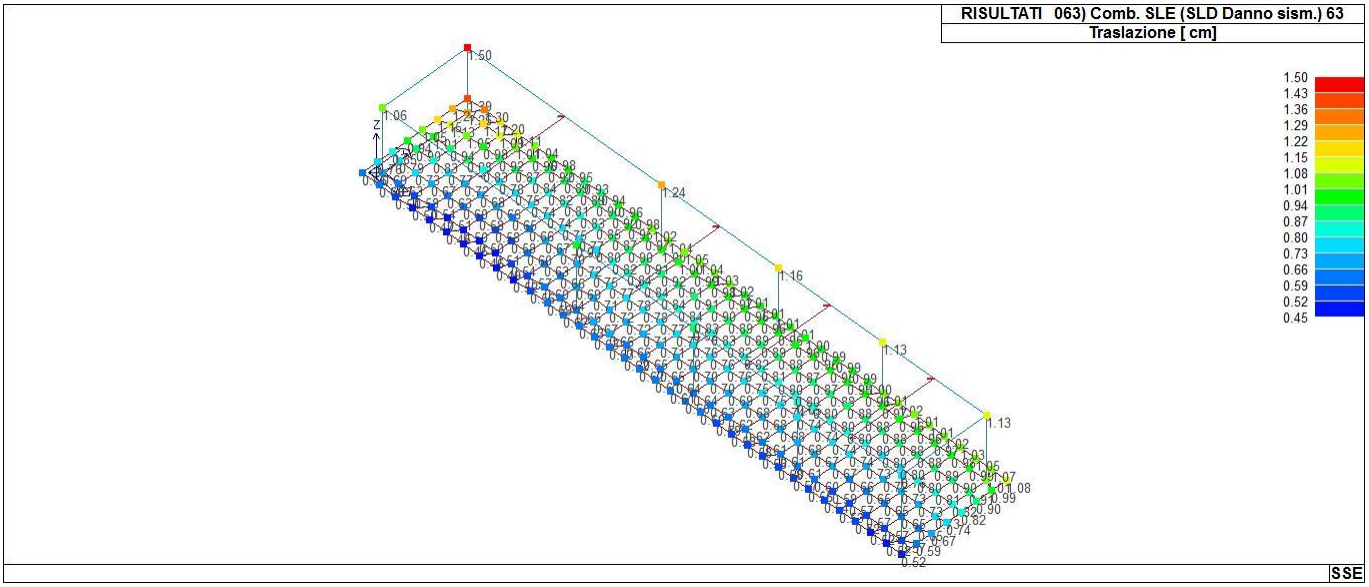
Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.72	-2.27	-2.09	-6.53e-03	-1.68e-03	-3.16e-04
	0.30	2.27	0.11	6.53e-03	2.21e-03	3.16e-04



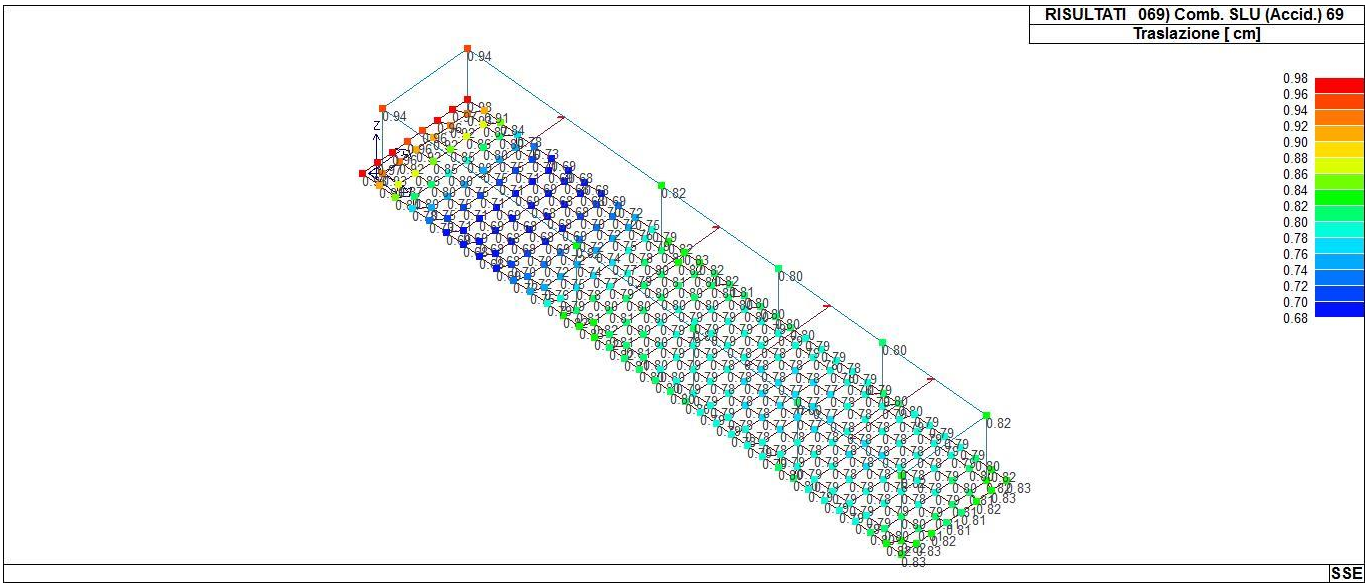
41_RIS_SPOSTAMENTI_002_Comb. SLU A1 2



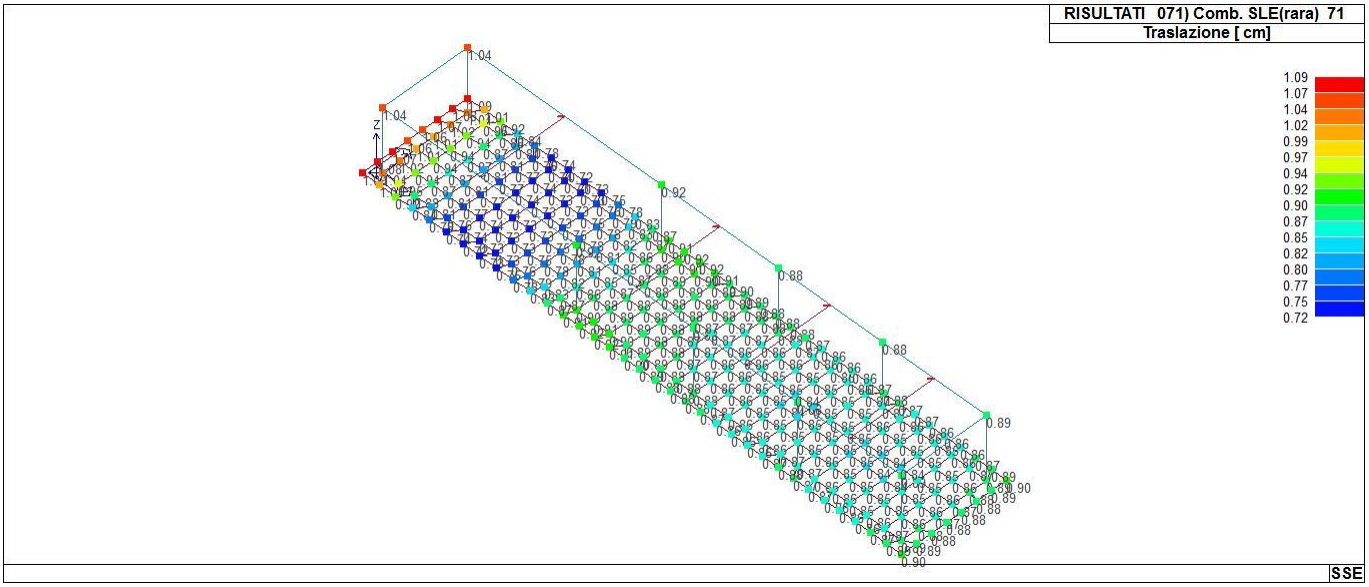
41_RIS_SPOSTAMENTI_031_Comb. SLU A1 (SLV sism.) 31



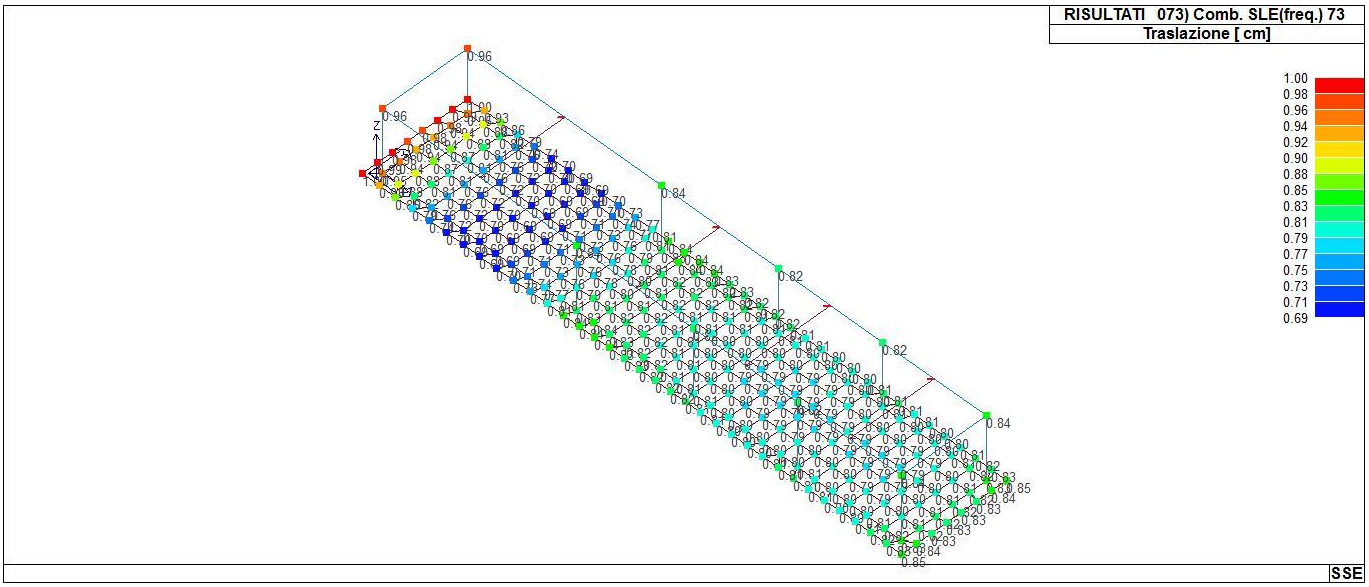
41_RIS_SPOSTAMENTI_063_Comb. SLE (SLD Danno sism.) 63



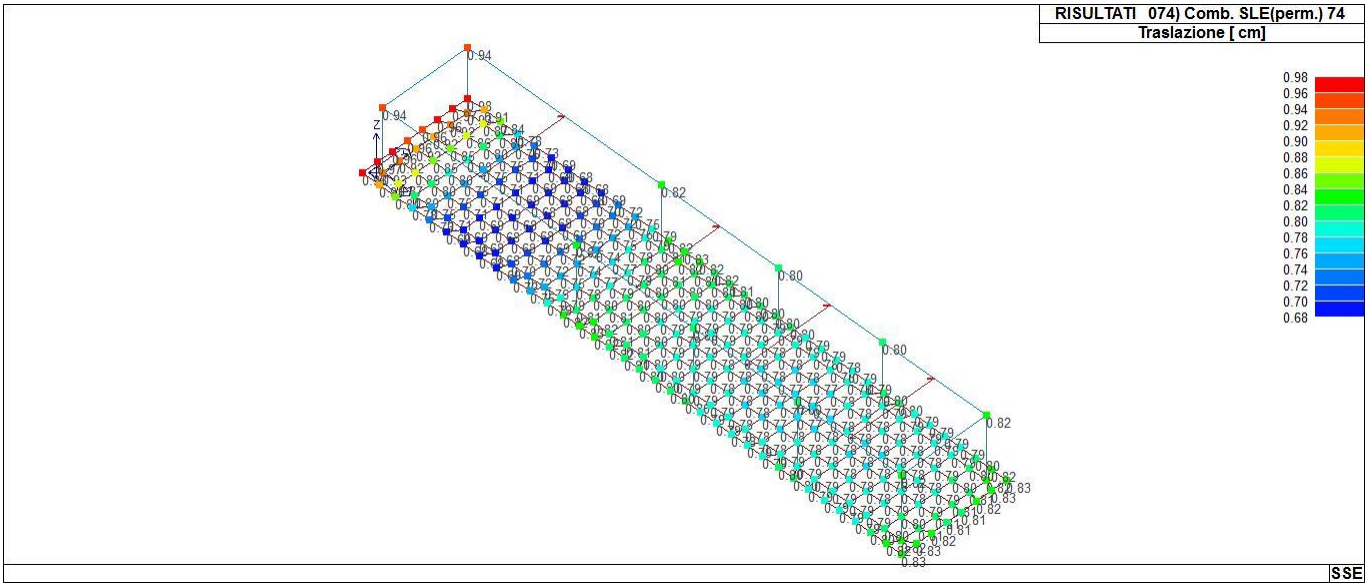
41_RIS_SPOSTAMENTI_069_Comb. SLU (Accid.) 69



41_RIS_SPOSTAMENTI_071_Comb. SLE(rara) 71



41_RIS_SPOSTAMENTI_073_Comb. SLE(freq.) 73



41_RIS_SPOSTAMENTI_074_Comb. SLE(perm.) 74

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.
Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.
In particolare viene riportato:

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

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

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.
In particolare viene riportato:

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

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.
Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

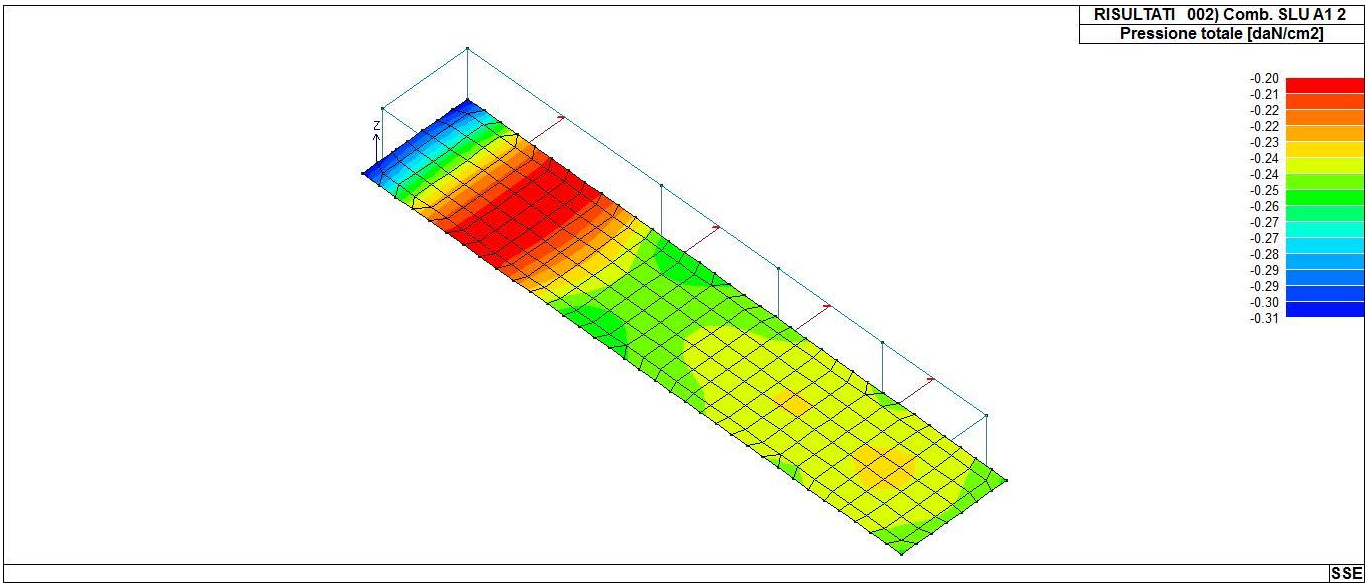
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.29	-0.39	-0.27	-0.20	-0.22	-0.20	-0.20				
2	-0.25	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17				
3	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
4	-0.24	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17				
5	-0.25	-0.36	-0.24	-0.18	-0.19	-0.18	-0.18				
6	-0.25	-0.36	-0.24	-0.18	-0.19	-0.18	-0.18				
7	-0.24	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17				
8	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
9	-0.25	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17				
10	-0.29	-0.39	-0.27	-0.20	-0.22	-0.20	-0.20				
21	-0.31	-0.45	-0.29	-0.21	-0.23	-0.21	-0.21				
22	-0.26	-0.31	-0.22	-0.17	-0.19	-0.18	-0.17				
23	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17				
24	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17				
25	-0.25	-0.41	-0.26	-0.18	-0.19	-0.18	-0.18				
26	-0.25	-0.41	-0.26	-0.18	-0.19	-0.18	-0.18				
27	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17				
28	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17				
29	-0.26	-0.31	-0.22	-0.17	-0.19	-0.18	-0.17				
30	-0.31	-0.45	-0.29	-0.21	-0.23	-0.21	-0.21				
31	-0.27	-0.36	-0.25	-0.18	-0.20	-0.19	-0.18				
32	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17				
33	-0.23	-0.31	-0.21	-0.16	-0.17	-0.16	-0.16				
34	-0.21	-0.29	-0.20	-0.15	-0.16	-0.15	-0.15				
35	-0.21	-0.28	-0.19	-0.15	-0.16	-0.15	-0.15				
36	-0.20	-0.27	-0.19	-0.14	-0.15	-0.15	-0.14				
37	-0.21	-0.26	-0.19	-0.15	-0.16	-0.15	-0.15				
38	-0.21	-0.26	-0.19	-0.15	-0.16	-0.15	-0.15				
39	-0.22	-0.27	-0.19	-0.15	-0.17	-0.16	-0.15				
40	-0.23	-0.27	-0.20	-0.16	-0.18	-0.16	-0.16				
41	-0.25	-0.28	-0.21	-0.17	-0.19	-0.17	-0.17				
42	-0.26	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17				
43	-0.25	-0.27	-0.21	-0.17	-0.19	-0.18	-0.17				
44	-0.25	-0.27	-0.21	-0.17	-0.19	-0.18	-0.17				
45	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
46	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
47	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
48	-0.24	-0.27	-0.21	-0.17	-0.18	-0.17	-0.17				
49	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17				
50	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17				
51	-0.24	-0.29	-0.21	-0.17	-0.18	-0.17	-0.17				
52	-0.24	-0.29	-0.21	-0.17	-0.18	-0.17	-0.17				
53	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17				
54	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17				
55	-0.24	-0.32	-0.22	-0.17	-0.18	-0.17	-0.17				
56	-0.24	-0.33	-0.23	-0.17	-0.18	-0.17	-0.17				
57	-0.24	-0.35	-0.23	-0.17	-0.19	-0.17	-0.17				
58	-0.25	-0.29	-0.21	-0.17	-0.19	-0.18	-0.17				
59	-0.24	-0.24	-0.20	-0.17	-0.19	-0.17	-0.17				
60	-0.24	-0.24	-0.20	-0.17	-0.19	-0.17	-0.17				
61	-0.25	-0.29	-0.21	-0.17	-0.19	-0.18	-0.17				
62	-0.24	-0.35	-0.23	-0.17	-0.19	-0.17	-0.17				
63	-0.24	-0.33	-0.23	-0.17	-0.18	-0.17	-0.17				
64	-0.24	-0.32	-0.22	-0.17	-0.18	-0.17	-0.17				
65	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17				
66	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17				
67	-0.24	-0.29	-0.21	-0.17	-0.18	-0.17	-0.17				
68	-0.24	-0.29	-0.21	-0.17	-0.18	-0.17	-0.17				
69	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17				
70	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17				
71	-0.24	-0.27	-0.21	-0.17	-0.18	-0.17	-0.17				
72	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
73	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
74	-0.25	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17				
75	-0.25	-0.27	-0.21	-0.17	-0.19	-0.18	-0.17				
76	-0.25	-0.27	-0.21	-0.17	-0.19	-0.18	-0.17				
77	-0.26	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17				
78	-0.25	-0.28	-0.21	-0.17	-0.19	-0.17	-0.17				
79	-0.23	-0.27	-0.20	-0.16	-0.18	-0.16	-0.16				
80	-0.22	-0.27	-0.19	-0.15	-0.17	-0.16	-0.15				
81	-0.21	-0.26	-0.19	-0.15	-0.16	-0.15	-0.15				
82	-0.21	-0.26	-0.19	-0.15	-0.16	-0.15	-0.15				
83	-0.20	-0.27	-0.19	-0.14	-0.15	-0.15	-0.14				

84	-0.21	-0.28	-0.19	-0.15	-0.16	-0.15	-0.15
85	-0.21	-0.29	-0.20	-0.15	-0.16	-0.15	-0.15
86	-0.23	-0.31	-0.21	-0.16	-0.17	-0.16	-0.16
87	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17
88	-0.27	-0.36	-0.25	-0.18	-0.20	-0.19	-0.18
89	-0.29	-0.31	-0.24	-0.20	-0.22	-0.20	-0.20
90	-0.29	-0.25	-0.21	-0.20	-0.22	-0.20	-0.20
91	-0.29	-0.25	-0.21	-0.20	-0.22	-0.20	-0.20
92	-0.29	-0.31	-0.24	-0.20	-0.22	-0.20	-0.20
93	-0.28	-0.42	-0.28	-0.19	-0.21	-0.20	-0.19
94	-0.26	-0.39	-0.26	-0.18	-0.20	-0.18	-0.18
95	-0.24	-0.36	-0.24	-0.17	-0.18	-0.17	-0.17
96	-0.22	-0.33	-0.22	-0.16	-0.17	-0.16	-0.16
97	-0.21	-0.31	-0.21	-0.15	-0.16	-0.15	-0.15
98	-0.20	-0.30	-0.20	-0.14	-0.15	-0.15	-0.14
99	-0.20	-0.29	-0.20	-0.14	-0.16	-0.15	-0.14
100	-0.21	-0.29	-0.20	-0.15	-0.16	-0.15	-0.15
101	-0.22	-0.29	-0.20	-0.15	-0.17	-0.16	-0.15
102	-0.23	-0.29	-0.21	-0.16	-0.18	-0.16	-0.16
103	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
104	-0.26	-0.30	-0.22	-0.18	-0.20	-0.18	-0.18
105	-0.26	-0.30	-0.22	-0.18	-0.20	-0.18	-0.18
106	-0.26	-0.30	-0.22	-0.17	-0.19	-0.18	-0.17
107	-0.25	-0.30	-0.22	-0.17	-0.19	-0.18	-0.17
108	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
109	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
110	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
111	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
112	-0.24	-0.30	-0.22	-0.17	-0.18	-0.17	-0.17
113	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
114	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
115	-0.24	-0.32	-0.22	-0.17	-0.19	-0.17	-0.17
116	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17
117	-0.24	-0.34	-0.23	-0.17	-0.19	-0.17	-0.17
118	-0.24	-0.35	-0.23	-0.17	-0.18	-0.17	-0.17
119	-0.24	-0.36	-0.24	-0.17	-0.18	-0.17	-0.17
120	-0.24	-0.37	-0.24	-0.17	-0.18	-0.17	-0.17
121	-0.24	-0.38	-0.25	-0.17	-0.19	-0.17	-0.17
122	-0.25	-0.40	-0.25	-0.17	-0.19	-0.18	-0.17
123	-0.25	-0.34	-0.24	-0.18	-0.19	-0.18	-0.18
124	-0.25	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17
125	-0.25	-0.25	-0.20	-0.17	-0.19	-0.18	-0.17
126	-0.25	-0.25	-0.20	-0.17	-0.19	-0.18	-0.17
127	-0.25	-0.28	-0.21	-0.17	-0.19	-0.18	-0.17
128	-0.25	-0.34	-0.24	-0.18	-0.19	-0.18	-0.18
129	-0.25	-0.40	-0.25	-0.17	-0.19	-0.18	-0.17
130	-0.24	-0.38	-0.25	-0.17	-0.19	-0.17	-0.17
131	-0.24	-0.37	-0.24	-0.17	-0.18	-0.17	-0.17
132	-0.24	-0.36	-0.24	-0.17	-0.18	-0.17	-0.17
133	-0.24	-0.35	-0.23	-0.17	-0.18	-0.17	-0.17
134	-0.24	-0.34	-0.23	-0.17	-0.19	-0.17	-0.17
135	-0.25	-0.33	-0.23	-0.17	-0.19	-0.17	-0.17
136	-0.24	-0.32	-0.22	-0.17	-0.19	-0.17	-0.17
137	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
138	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
139	-0.24	-0.30	-0.22	-0.17	-0.18	-0.17	-0.17
140	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
141	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
142	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
143	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
144	-0.25	-0.30	-0.22	-0.17	-0.19	-0.18	-0.17
145	-0.26	-0.30	-0.22	-0.17	-0.19	-0.18	-0.17
146	-0.26	-0.30	-0.22	-0.18	-0.20	-0.18	-0.18
147	-0.26	-0.30	-0.22	-0.18	-0.20	-0.18	-0.18
148	-0.25	-0.30	-0.22	-0.17	-0.19	-0.17	-0.17
149	-0.23	-0.29	-0.21	-0.16	-0.18	-0.16	-0.16
150	-0.22	-0.29	-0.20	-0.15	-0.17	-0.16	-0.15
151	-0.21	-0.29	-0.20	-0.15	-0.16	-0.15	-0.15
152	-0.20	-0.29	-0.20	-0.14	-0.16	-0.15	-0.14
153	-0.20	-0.30	-0.20	-0.14	-0.15	-0.15	-0.14
154	-0.21	-0.31	-0.21	-0.15	-0.16	-0.15	-0.15
155	-0.22	-0.33	-0.22	-0.16	-0.17	-0.16	-0.16
156	-0.24	-0.36	-0.24	-0.17	-0.18	-0.17	-0.17
157	-0.26	-0.39	-0.26	-0.18	-0.20	-0.18	-0.18
158	-0.28	-0.42	-0.28	-0.19	-0.21	-0.20	-0.19
159	-0.30	-0.38	-0.27	-0.21	-0.23	-0.21	-0.21

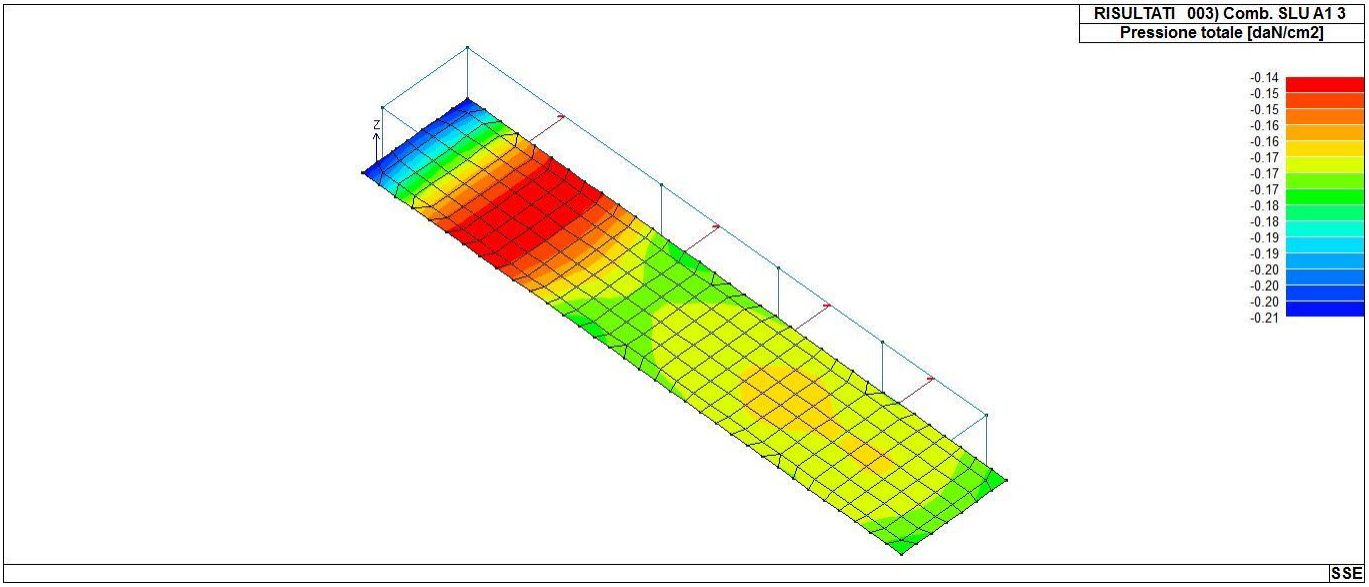
160	-0.30	-0.31	-0.24	-0.21	-0.23	-0.21	-0.21
161	-0.30	-0.26	-0.22	-0.20	-0.23	-0.21	-0.20
162	-0.30	-0.26	-0.22	-0.20	-0.23	-0.21	-0.20
163	-0.30	-0.31	-0.24	-0.21	-0.23	-0.21	-0.21
164	-0.30	-0.38	-0.27	-0.21	-0.23	-0.21	-0.21
165	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
166	-0.24	-0.21	-0.18	-0.17	-0.18	-0.17	-0.17
167	-0.21	-0.19	-0.16	-0.15	-0.16	-0.15	-0.15
168	-0.23	-0.20	-0.17	-0.16	-0.17	-0.16	-0.16
169	-0.24	-0.21	-0.18	-0.17	-0.18	-0.17	-0.17
170	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17
171	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
172	-0.24	-0.27	-0.20	-0.17	-0.18	-0.17	-0.17
173	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
174	-0.24	-0.26	-0.20	-0.17	-0.18	-0.17	-0.17
175	-0.24	-0.28	-0.21	-0.17	-0.18	-0.17	-0.17
176	-0.24	-0.25	-0.20	-0.17	-0.18	-0.17	-0.17
177	-0.24	-0.25	-0.20	-0.17	-0.18	-0.17	-0.17
178	-0.24	-0.24	-0.20	-0.17	-0.18	-0.17	-0.17
179	-0.24	-0.27	-0.20	-0.17	-0.18	-0.17	-0.17
180	-0.24	-0.26	-0.20	-0.17	-0.18	-0.17	-0.17
181	-0.24	-0.24	-0.19	-0.17	-0.18	-0.17	-0.17
182	-0.24	-0.25	-0.20	-0.17	-0.18	-0.17	-0.17
183	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
184	-0.24	-0.25	-0.20	-0.17	-0.18	-0.17	-0.17
185	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
186	-0.24	-0.24	-0.20	-0.17	-0.18	-0.17	-0.17
187	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
188	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
189	-0.24	-0.24	-0.19	-0.17	-0.18	-0.17	-0.17
190	-0.24	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
191	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
192	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
193	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
194	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
195	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
196	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
197	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
198	-0.24	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
199	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
200	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
201	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
202	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
203	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
204	-0.23	-0.23	-0.18	-0.16	-0.18	-0.16	-0.16
205	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
206	-0.22	-0.22	-0.18	-0.15	-0.17	-0.16	-0.15
207	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
208	-0.21	-0.22	-0.17	-0.15	-0.16	-0.15	-0.15
209	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
210	-0.21	-0.22	-0.17	-0.15	-0.16	-0.15	-0.15
211	-0.24	-0.23	-0.19	-0.17	-0.18	-0.17	-0.17
212	-0.20	-0.22	-0.17	-0.14	-0.16	-0.15	-0.14
213	-0.23	-0.23	-0.18	-0.16	-0.18	-0.16	-0.16
214	-0.21	-0.23	-0.18	-0.15	-0.16	-0.15	-0.15
215	-0.22	-0.22	-0.18	-0.15	-0.17	-0.16	-0.15
216	-0.21	-0.24	-0.18	-0.15	-0.16	-0.15	-0.15
217	-0.21	-0.22	-0.17	-0.15	-0.16	-0.15	-0.15
218	-0.21	-0.22	-0.17	-0.15	-0.16	-0.15	-0.15
219	-0.20	-0.22	-0.17	-0.14	-0.16	-0.15	-0.14
220	-0.27	-0.29	-0.22	-0.18	-0.20	-0.19	-0.18
221	-0.21	-0.23	-0.18	-0.15	-0.16	-0.15	-0.15
222	-0.21	-0.24	-0.18	-0.15	-0.16	-0.15	-0.15
223	-0.26	-0.23	-0.20	-0.18	-0.20	-0.19	-0.18
224	-0.26	-0.23	-0.20	-0.18	-0.20	-0.19	-0.18
225	-0.27	-0.29	-0.22	-0.18	-0.20	-0.19	-0.18
226	-0.24	-0.24	-0.19	-0.17	-0.18	-0.17	-0.17
227	-0.24	-0.24	-0.19	-0.17	-0.18	-0.17	-0.17
228	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
229	-0.25	-0.23	-0.19	-0.17	-0.19	-0.17	-0.17
230	-0.23	-0.26	-0.19	-0.16	-0.17	-0.16	-0.16
231	-0.24	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17
232	-0.23	-0.25	-0.19	-0.16	-0.17	-0.16	-0.16
233	-0.24	-0.27	-0.21	-0.17	-0.19	-0.17	-0.17
234	-0.24	-0.22	-0.19	-0.17	-0.18	-0.17	-0.17
235	-0.24	-0.22	-0.19	-0.17	-0.18	-0.17	-0.17

236	-0.24	-0.21	-0.18	-0.17	-0.18	-0.17	-0.17
237	-0.24	-0.20	-0.18	-0.17	-0.18	-0.17	-0.17
238	-0.24	-0.20	-0.18	-0.17	-0.18	-0.17	-0.17
239	-0.24	-0.19	-0.18	-0.17	-0.18	-0.17	-0.17
240	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
241	-0.24	-0.21	-0.18	-0.17	-0.18	-0.17	-0.17
242	-0.24	-0.20	-0.18	-0.17	-0.18	-0.17	-0.17
243	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
244	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
245	-0.24	-0.20	-0.18	-0.17	-0.18	-0.17	-0.17
246	-0.24	-0.18	-0.17	-0.16	-0.18	-0.17	-0.16
247	-0.24	-0.19	-0.18	-0.17	-0.18	-0.17	-0.17
248	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
249	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
250	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
251	-0.24	-0.19	-0.18	-0.17	-0.18	-0.17	-0.17
252	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
253	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
254	-0.24	-0.19	-0.18	-0.17	-0.18	-0.17	-0.17
255	-0.24	-0.18	-0.17	-0.16	-0.18	-0.17	-0.16
256	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
257	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
258	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
259	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
260	-0.24	-0.19	-0.17	-0.17	-0.18	-0.17	-0.17
261	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
262	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
263	-0.24	-0.19	-0.18	-0.17	-0.18	-0.17	-0.17
264	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
265	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
266	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
267	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
268	-0.23	-0.19	-0.17	-0.16	-0.17	-0.16	-0.16
269	-0.22	-0.18	-0.16	-0.15	-0.17	-0.16	-0.15
270	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
271	-0.25	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
272	-0.21	-0.17	-0.16	-0.15	-0.16	-0.15	-0.15
273	-0.24	-0.19	-0.18	-0.17	-0.19	-0.17	-0.17
274	-0.21	-0.17	-0.16	-0.15	-0.16	-0.15	-0.15
275	-0.24	-0.19	-0.17	-0.16	-0.18	-0.17	-0.16
276	-0.20	-0.17	-0.16	-0.14	-0.16	-0.15	-0.14
277	-0.23	-0.19	-0.17	-0.16	-0.17	-0.16	-0.16
278	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
279	-0.22	-0.18	-0.16	-0.15	-0.17	-0.16	-0.15
280	-0.21	-0.19	-0.16	-0.15	-0.16	-0.15	-0.15
281	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
282	-0.23	-0.20	-0.17	-0.16	-0.17	-0.16	-0.16
283	-0.21	-0.17	-0.16	-0.15	-0.16	-0.15	-0.15
284	-0.20	-0.17	-0.16	-0.14	-0.16	-0.15	-0.14

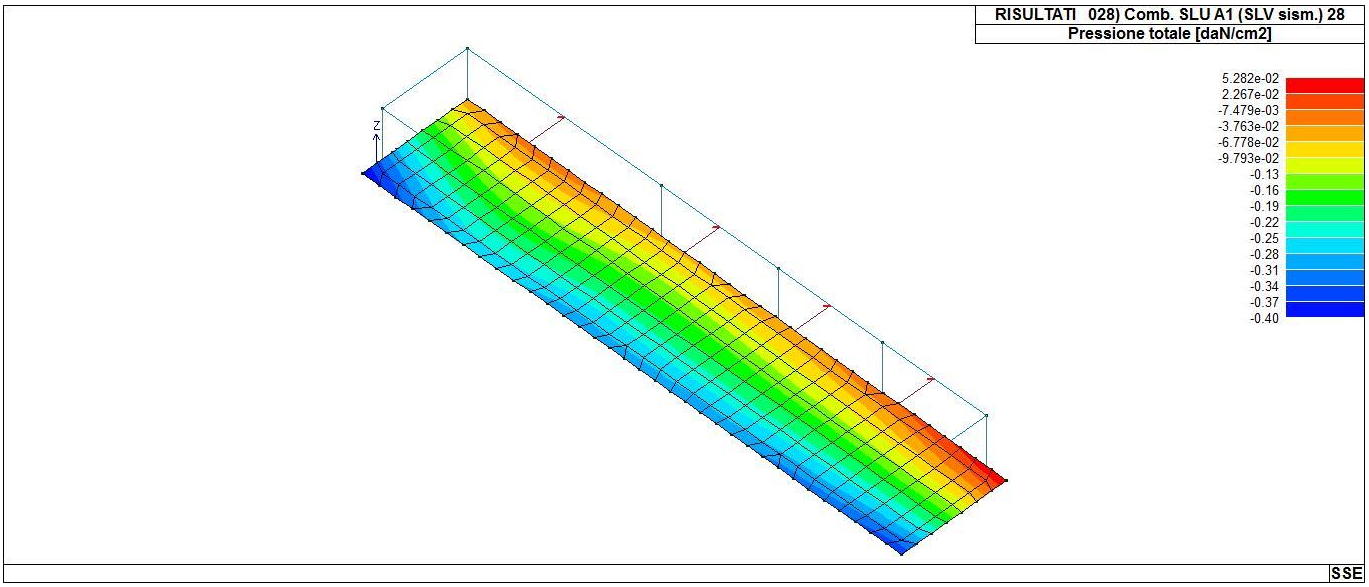
Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-0.45			
	-0.14			



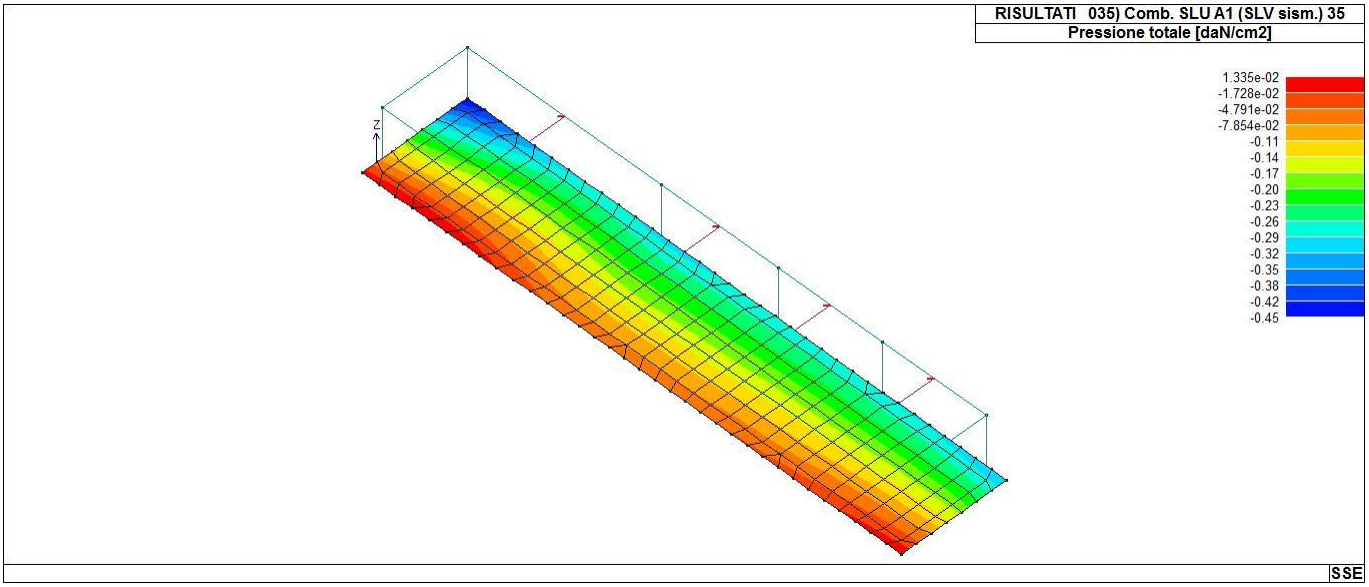
46_RIS_PRESSIONI_002_Comb. SLU A1 2



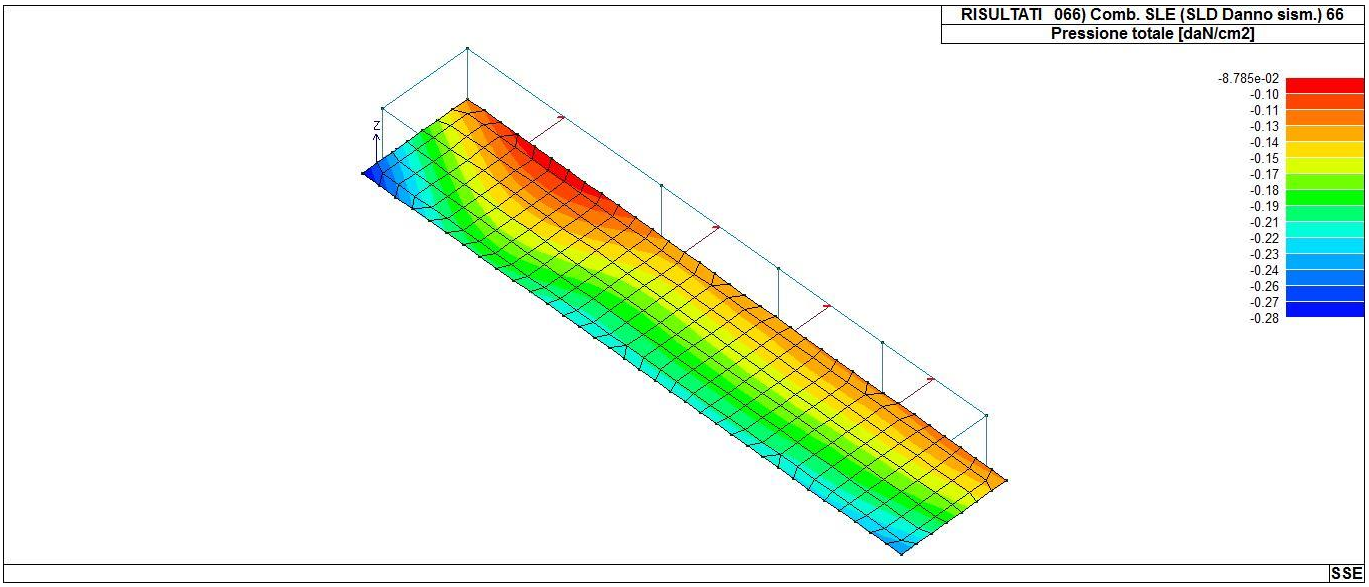
46_RIS_PRESSIONI_003_Comb. SLU A1 3



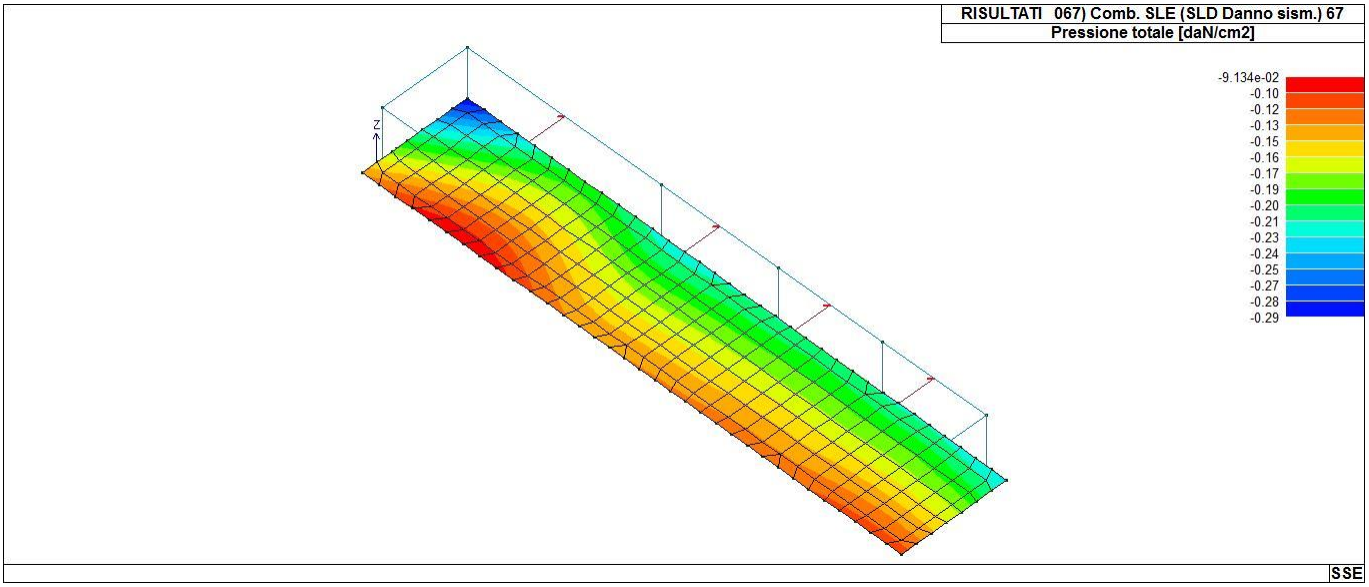
46_RIS_PRESSIONI_028_Comb. SLU A1 (SLV sism.) 28



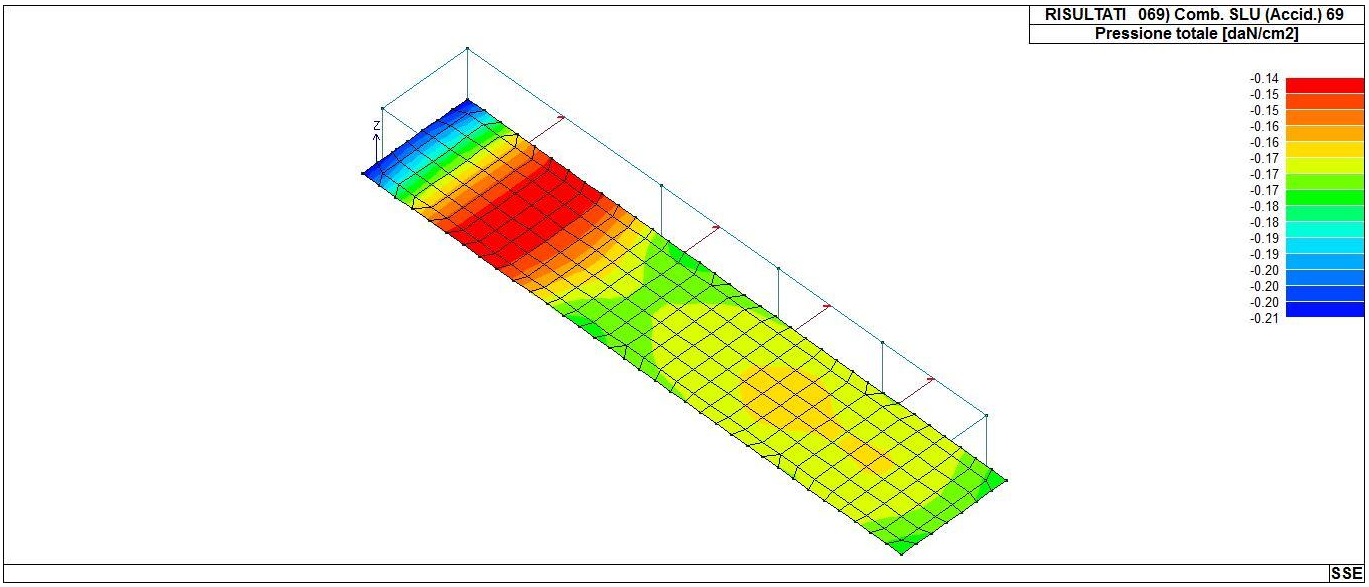
46_RIS_PRESSIONI_035_Comb. SLU A1 (SLV sism.) 35



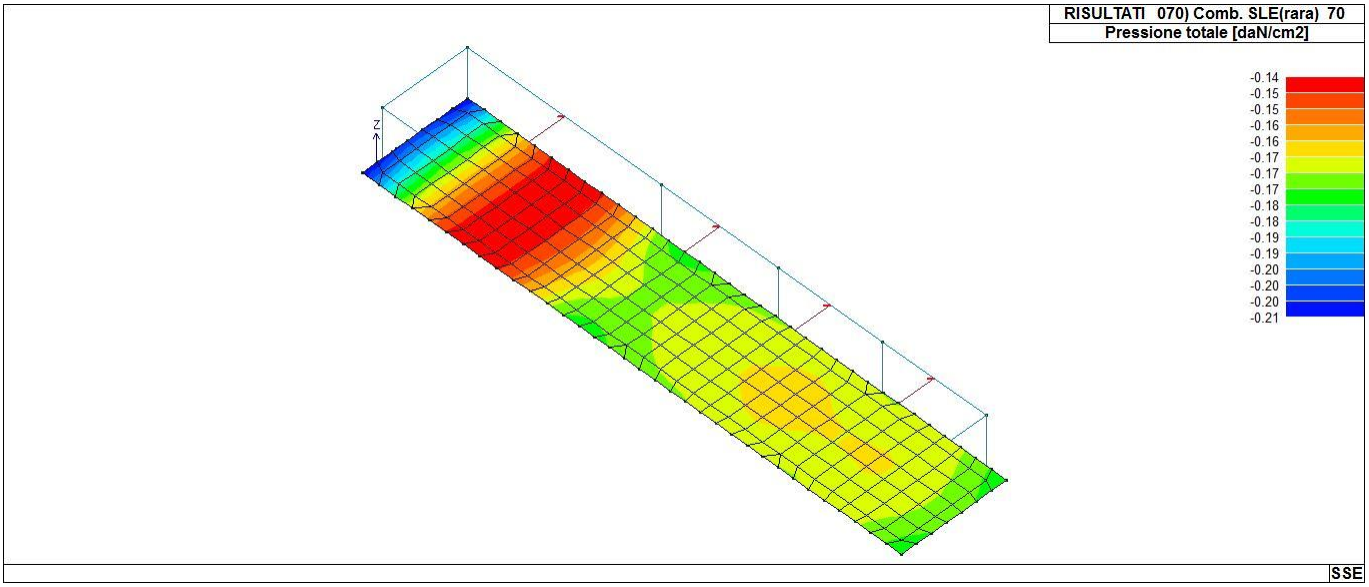
46_RIS_PRESSIONI_066_Comb. SLE (SLD Danno sism.) 66



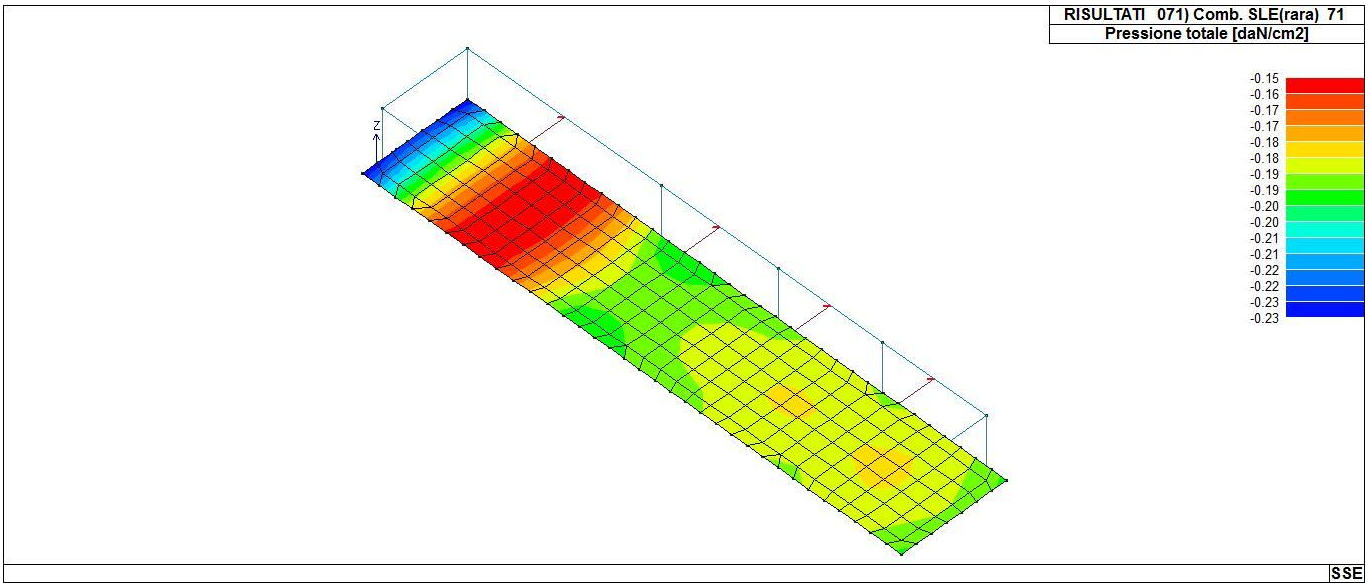
46_RIS_PRESSIONI_067_Comb. SLE (SLD Danno sism.) 67



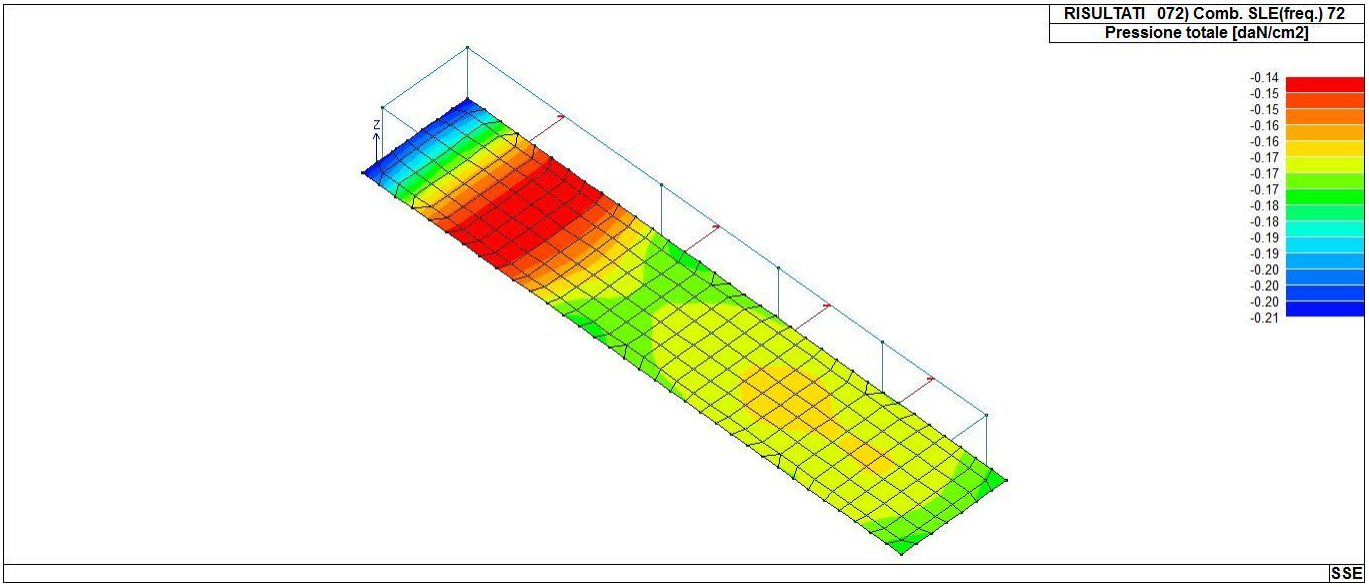
46_RIS_PRESSIONI_069_Comb. SLU (Accid.) 69



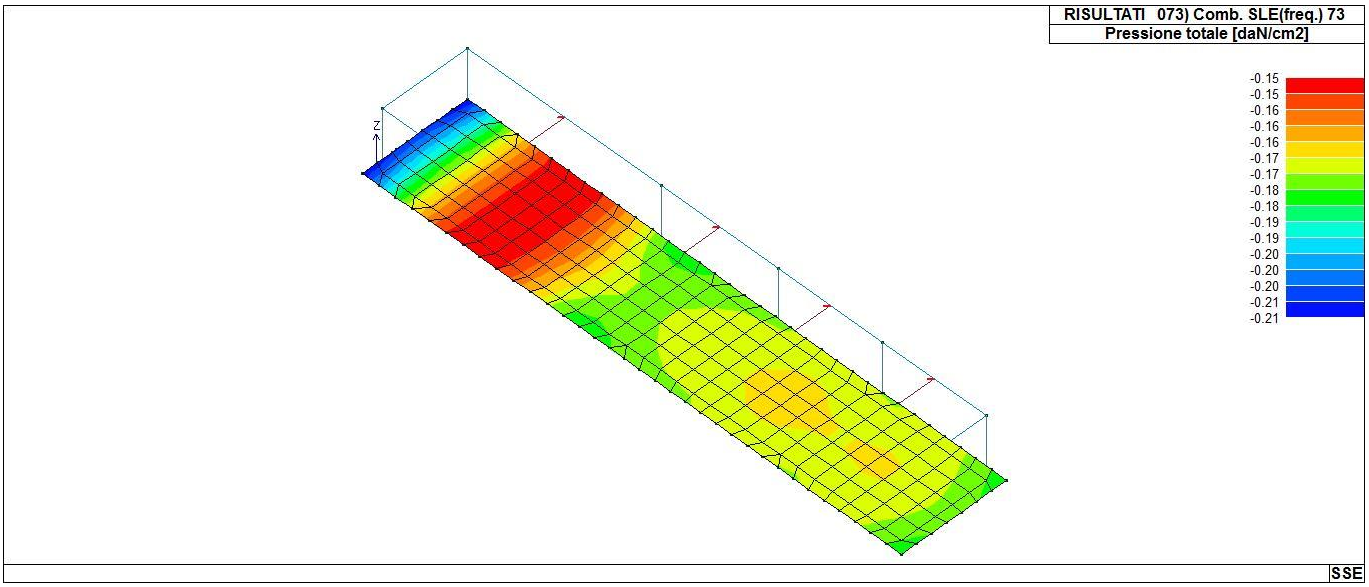
46_RIS_PRESSIONI_070_Comb. SLE(rara) 70



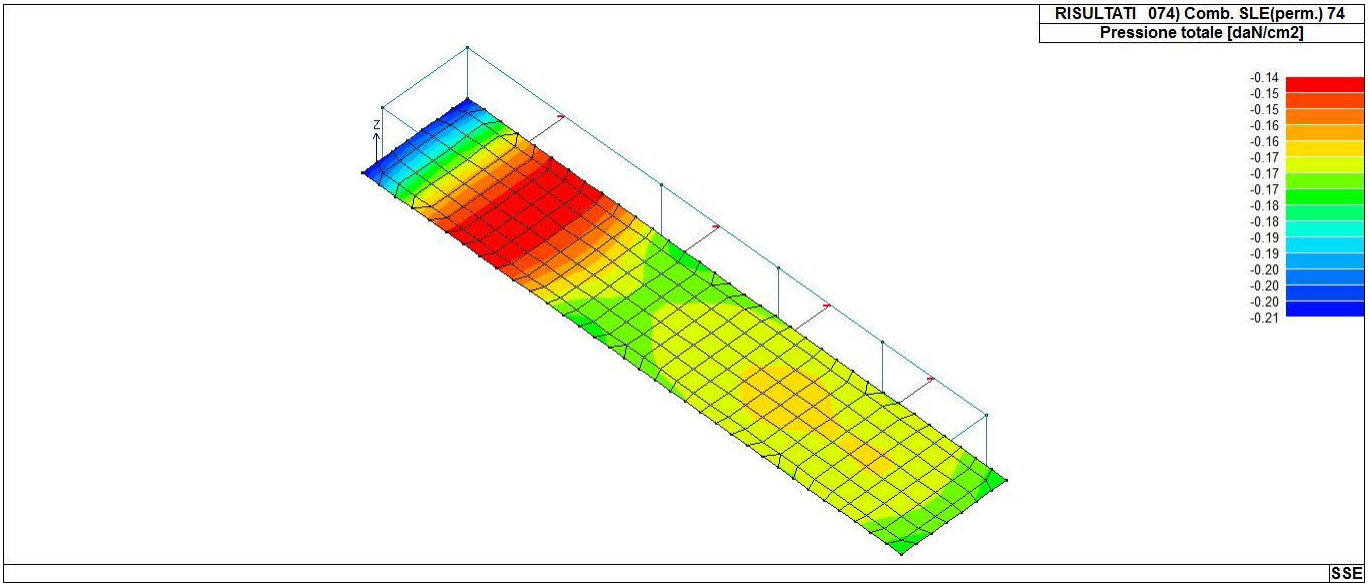
46_RIS_PRESSIONI_071_Comb. SLE(rara) 71



46_RIS_PRESSIONI_072_Comb. SLE(freq.) 72



46_RIS_PRESSIONI_073_Comb. SLE(freq.) 73



46_RIS_PRESSIONI_074_Comb. SLE(perm.) 74

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

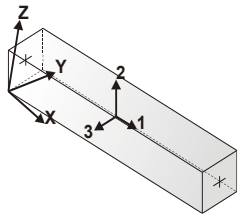
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

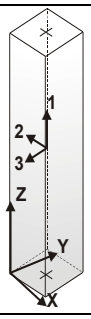
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga)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

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

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



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	1	4.942e+04	4.262e+04	9.30e-03	0.0	0.0	-1.294e+04	-408.09	-133.20	-48.60	4.262e+04	4.942e+04
		-8.117e+04	-3.60	-7.71e-03	0.0	320.0	-1.154e+04	-408.09	-133.20	-48.60	-3.60	-8.117e+04
1	2	4.743e+04	5.518e+04	0.01	0.0	0.0	-1.655e+04	-420.97	-175.73	-56.94	5.518e+04	4.743e+04
		-8.728e+04	-1051.69	-9.82e-03	0.0	320.0	-1.514e+04	-420.97	-175.73	-56.94	-1051.69	-8.728e+04
1	3	3.802e+04	3.278e+04	7.16e-03	0.0	0.0	-9954.00	-313.91	-102.46	-37.38	3.278e+04	3.802e+04
		-6.244e+04	-2.77	-5.93e-03	0.0	320.0	-8874.00	-313.91	-102.46	-37.38	-2.77	-6.244e+04
1	7	1.110e+06	3.192e+04	0.41	0.0	0.0	-9186.55	-6870.05	636.39	-6607.82	-1.717e+05	1.110e+06
		-1.089e+06	-1.717e+05	-0.45	0.0	320.0	-8106.55	-6870.05	636.39	-6607.82	3.192e+04	-1.089e+06
1	21	2.570e+04	1.364e+05	-0.11	0.0	0.0	-1.256e+04	-314.40	2732.88	-3265.01	-7.382e+05	2.570e+04
		-7.492e+04	-7.382e+05	-1.70	0.0	320.0	-1.148e+04	-314.40	2732.88	-3265.01	1.364e+05	-7.492e+04
1	24	5.034e+04	8.038e+05	0.12	0.0	0.0	-7350.51	-313.43	-2937.79	3190.24	8.038e+05	5.034e+04
		-4.995e+04	-1.364e+05	1.70	0.0	320.0	-6270.51	-313.43	-2937.79	3190.24	-1.364e+05	-4.995e+04
1	25	4.053e+04	1.315e+05	-0.10	0.0	0.0	-1.260e+04	-406.57	2674.08	-6419.24	-7.242e+05	4.053e+04
		-8.958e+04	-7.242e+05	-1.67	0.0	320.0	-1.152e+04	-406.57	2674.08	-6419.24	1.315e+05	-8.958e+04
1	28	3.550e+04	7.898e+05	0.11	0.0	0.0	-7311.61	-221.26	-2879.00	6344.48	7.898e+05	3.550e+04
		-3.530e+04	-1.315e+05	1.67	0.0	320.0	-6231.61	-221.26	-2879.00	6344.48	-1.315e+05	-3.530e+04
1	39	4.245e+05	1.152e+04	0.15	0.0	0.0	-9675.49	-2678.47	164.06	-2407.79	-4.098e+04	4.245e+05
		-4.326e+05	-4.098e+04	-0.16	0.0	320.0	-8595.49	-2678.47	164.06	-2407.79	1.152e+04	-4.326e+05
1	53	3.355e+04	4.919e+04	-0.03	0.0	0.0	-1.091e+04	-313.94	920.28	-1205.26	-2.453e+05	3.355e+04
		-6.691e+04	-2.453e+05	-0.61	0.0	320.0	-9829.19	-313.94	920.28	-1205.26	4.919e+04	-6.691e+04
1	56	4.248e+04	3.109e+05	0.05	0.0	0.0	-8998.82	-313.89	-1125.19	1130.49	3.109e+05	4.248e+04
		-5.796e+04	-4.919e+04	0.61	0.0	320.0	-7918.82	-313.89	-1125.19	1130.49	-4.919e+04	-5.796e+04
1	57	3.890e+04	4.744e+04	-0.03	0.0	0.0	-1.092e+04	-347.16	899.07	-2342.63	-2.403e+05	3.890e+04
		-7.219e+04	-2.403e+05	-0.60	0.0	320.0	-9843.11	-347.16	899.07	-2342.63	4.744e+04	-7.219e+04
1	60	3.713e+04	3.058e+05	0.04	0.0	0.0	-8984.90	-280.66	-1103.99	2267.86	3.058e+05	3.713e+04
		-5.268e+04	-4.745e+04	0.60	0.0	320.0	-7904.90	-280.66	-1103.99	2267.86	-4.745e+04	-5.268e+04
1	69	3.802e+04	3.278e+04	7.16e-03	0.0	0.0	-9954.00	-313.91	-102.46	-37.38	3.278e+04	3.802e+04
		-6.244e+04	-2.77	-5.93e-03	0.0	320.0	-8874.00	-313.91	-102.46	-37.38	-2.77	-6.244e+04
1	70	3.802e+04	3.278e+04	7.16e-03	0.0	0.0	-9954.00	-313.91	-102.46	-37.38	3.278e+04	3.802e+04
		-6.244e+04	-2.77	-5.93e-03	0.0	320.0	-8874.00	-313.91	-102.46	-37.38	-2.77	-6.244e+04
1	71	3.669e+04	4.116e+04	0.01	0.0	0.0	-1.236e+04	-322.50	-130.82	-42.94	4.116e+04	3.669e+04
		-6.651e+04	-701.50	-7.34e-03	0.0	320.0	-1.128e+04	-322.50	-130.82	-42.94	-701.50	-6.651e+04
1	72	3.802e+04	3.278e+04	7.16e-03	0.0	0.0	-9954.00	-313.91	-102.46	-37.38	3.278e+04	3.802e+04
		-6.244e+04	-2.77	-5.93e-03	0.0	320.0	-8874.00	-313.91	-102.46	-37.38	-2.77	-6.244e+04
1	73	3.775e+04	3.446e+04	7.78e-03	0.0	0.0	-1.044e+04	-315.63	-108.13	-38.50	3.446e+04	3.775e+04
		-6.325e+04	-142.52	-6.21e-03	0.0	320.0	-9355.16	-315.63	-108.13	-38.50	-142.52	-6.325e+04
1	74	3.802e+04	3.278e+04	7.16e-03	0.0	0.0	-9954.00	-313.91	-102.46	-37.38	3.278e+04	3.802e+04
		-6.244e+04	-2.77	-5.93e-03	0.0	320.0	-8874.00	-313.91	-102.46	-37.38	-2.77	-6.244e+04
2	2	-1.596e+04	-4.947e+04	7.39e-03	0.0	0.0	-7897.34	193.24	-68.45	-20.84	-4.947e+04	-7.780e+04
		-7.780e+04	-7.138e+04	-0.02	0.0	320.0	-6493.34	193.24	-68.45	-20.84	-7.138e+04	-1.596e+04
2	3	-1.552e+04	-2.899e+04	4.90e-03	0.0	0.0	-5027.88	99.11	44.01	5.10	-4.307e+04	-4.723e+04
		-4.723e+04	-4.307e+04	0.01	0.0	320.0	-3947.88	99.11	44.01	5.10	-2.899e+04	-1.552e+04
2	4	-1.130e+04	-3.655e+04	5.92e-03	0.0	0.0	-6388.98	163.51	-81.66	-22.37	-3.655e+04	-6.363e+04
		-6.363e+04	-6.268e+04	-0.02	0.0	320.0	-5308.98	163.51	-81.66	-22.37	-6.268e+04	-1.130e+04
2	16	2.620e+05	3.836e+05	0.41	0.0	0.0	-4561.32	-1750.41	2621.96	6734.15	-4.555e+05	2.620e+05
		-2.974e+05	-4.555e+05	-0.41	0.0	320.0	-3481.32	-1750.41	2621.96	6734.15	3.836e+05	-2.974e+05
2	22	1.313e+06	2.894e+04	1.62	0.0	0.0	-1.279e+04	-7922.98	418.47	7379.43	-1.050e+05	1.313e+06
		-1.222e+06	-1.050e+05	0.10	0.0	320.0	-1.171e+04	-7922.98	418.47	7379.43	2.894e+04	-1.222e+06
2	23	1.191e+06	1.884e+04	-1.62	0.0	0.0	2733.63	8121.21	-330.45	-7369.23	1.884e+04	-1.407e+06
		-1.407e+06	-8.691e+04	-0.12	0.0	320.0	3813.63	8121.21	-330.45	-7369.23	-8.691e+04	1.191e+06
2	26	1.370e+06	2.222e+04	1.67	0.0	0.0	-1.269e+04	-8258.69	376.13	4338.04	-9.815e+04	1.370e+06
		-1.273e+06	-9.815e+04	0.11	0.0	320.0	-1.161e+04	-8258.69	376.13	4338.04	2.222e+04	-1.273e+06
2	27	1.242e+06	1.201e+04	-1.67	0.0	0.0	2633.78	8456.91	-288.11	-4327.84	1.201e+04	-1.465e+06
		-1.465e+06	-8.019e+04	-0.12	0.0	320.0	3713.78	8456.91	-288.11	-4327.84	-8.019e+04	1.242e+06
2	48	6.434e+04	1.199e+05	0.15	0.0	0.0	-4852.92	-568.17	974.23	2432.86	-1.919e+05	6.434e+04
		-1.172e+05	-1.919e+05	-0.15	0.0	320.0	-3772.92	-568.17	974.23	2432.86	1.199e+05	-1.172e+05
2	54	4.434e+05	-8128.99	0.58	0.0	0.0	-7829.68	-2794.87	178.82	2668.76	-6.535e+04	4.434e+05
		-4.508e+05	-6.535e+04	0.03	0.0	320.0	-6749.68	-2794.87	178.82	2668.76	-8128.99	-4.508e+05
2	55	4.198e+05	-2.078e+04	-0.59	0.0	0.0	-2226.08	2993.10	-90.80	-2658.56	-2.078e+04	-5.379e+05
		-5.379e+05	-4.984e+04	-0.05	0.0	320.0	-1146.08	2993.10	-90.80	-2658.56	-4.984e+04	4.198e+05
2	58	4.642e+05	-1.055e+04	0.60	0.0	0.0	-7793.89	-2915.96	163.57	1572.09	-6.289e+04	4.642e+05
		-4.690e+05	-6.289e+04	0.03	0.0	320.0	-6713.89	-2915.96	163.57	1572.09	-1.055e+04	-4.690e+05
2	59	4.380e+05	-2.324e+04	-0.60	0.0	0.0	-2261.88	3114.18	-75.55	-1561.89	-2.324e+04	-5.586e+05
		-5.586e+05	-4.742e+04	-0.05	0.0	320.0	-1181.88	3114.18	-75.55	-1561.89	-4.742e+04	4.380e+05
2	69	-1.552e+04	-2.899e+04	4.90e-03	0.0	0.0	-5027.88	99.11	44.01	5.10	-4.307e+04	-4.723e+04
		-4.723e+04	-4.307e+04	0.01	0.0	320.0	-3947.88	99.11	44.01	5.10	-2.899e+04	-1.552e+04
2	70	-1.552e+04	-2.899e+04	4.90e-03	0.0	0.0	-5027.88	99.11	44.01	5.10	-4.307e+04	-4.723e+04
		-4.723e+04	-4.307e+04	0.01	0.0	320.0	-3947.88	99.11	44.01	5.10	-2.899e+04	-1.552e+04
2	71	-1.271e+04	-3.872e+04	5.58e-03	0.0	0.0	-5935.28	142.04	-39.77	-13.21	-3.872e+04	-5.816e+04
		-5.816e+04	-5.145e+04	-0.01	0.0	320.0	-4855.28	142.04	-39.77	-13.21	-5.145e+04	-1.271e+04
2	72	-1.552e+04	-2.899e+04	4.90e-03	0.0	0.0	-5027.88	99.11	44.01	5.10	-4.307e+04	-4.723e+04
		-4.723e+04	-4.307e+04	0.01	0.0	320.0	-3947.88	99.11	44.01	5.10	-2.899e+04	-1.552e+04
2	73	-1.496e+04	-3.348e+04	5.04e-03	0.0	0.0	-5209.36	107.70	27.25	1.44	-4.220e+04	-4.942e+04

		-4.942e+04	-4.220e+04	0.01	0.0	320.0	-4129.36	107.70	27.25	1.44	-3.348e+04	-1.496e+04
2	74	-1.552e+04	-2.899e+04	4.90e-03	0.0	0.0	-5027.88	99.11	44.01	5.10	-4.307e+04	-4.723e+04
		-4.723e+04	-4.307e+04	0.01	0.0	320.0	-3947.88	99.11	44.01	5.10	-2.899e+04	-1.552e+04
3	2	7.778e+04	-4.948e+04	-7.38e-03	0.0	0.0	-7897.27	-193.21	-68.40	21.18	-4.948e+04	7.778e+04
		1.596e+04	-7.137e+04	-0.02	0.0	320.0	-6493.27	-193.21	-68.40	21.18	-7.137e+04	1.596e+04
3	3	4.722e+04	-2.898e+04	-4.90e-03	0.0	0.0	-5027.84	-99.09	44.05	-4.80	-4.308e+04	4.722e+04
		1.551e+04	-4.308e+04	0.01	0.0	320.0	-3947.84	-99.09	44.05	-4.80	-2.898e+04	1.551e+04
3	4	6.361e+04	-3.656e+04	-5.91e-03	0.0	0.0	-6388.92	-163.48	-81.62	22.62	-3.656e+04	6.361e+04
		1.130e+04	-6.268e+04	-0.02	0.0	320.0	-5308.92	-163.48	-81.62	22.62	-6.268e+04	1.130e+04
3	7	2.974e+05	3.836e+05	-0.41	0.0	0.0	-4561.32	1750.48	2621.99	-6733.35	-4.555e+05	-2.621e+05
		-2.621e+05	-4.555e+05	-0.41	0.0	320.0	-3481.32	1750.48	2621.99	-6733.35	3.836e+05	2.974e+05
3	21	1.273e+06	2.221e+04	-1.67	0.0	0.0	-1.269e+04	8258.71	376.10	-4337.90	-9.815e+04	-1.370e+06
		-1.370e+06	-9.815e+04	0.11	0.0	320.0	-1.161e+04	8258.71	376.10	-4337.90	2.221e+04	1.273e+06
3	24	1.465e+06	1.199e+04	1.67	0.0	0.0	2633.87	-8456.90	-288.00	4328.30	1.199e+04	1.465e+06
		-1.242e+06	-8.017e+04	-0.12	0.0	320.0	3713.87	-8456.90	-288.00	4328.30	-8.017e+04	-1.242e+06
3	25	1.222e+06	2.893e+04	-1.62	0.0	0.0	-1.279e+04	7923.00	418.45	-7379.28	-1.050e+05	-1.313e+06
		-1.313e+06	-1.050e+05	0.10	0.0	320.0	-1.171e+04	7923.00	418.45	-7379.28	2.893e+04	1.222e+06
3	28	1.407e+06	1.882e+04	1.62	0.0	0.0	2733.72	-8121.18	-330.34	7369.67	1.882e+04	1.407e+06
		-1.191e+06	-8.689e+04	-0.12	0.0	320.0	3813.72	-8121.18	-330.34	7369.67	-8.689e+04	-1.191e+06
3	39	1.172e+05	1.199e+05	-0.15	0.0	0.0	-4852.89	568.21	974.27	-2432.38	-1.919e+05	-6.435e+04
		-6.435e+04	-1.919e+05	-0.15	0.0	320.0	-3772.89	568.21	974.27	-2432.38	1.199e+05	1.172e+05
3	53	4.690e+05	-1.055e+04	-0.60	0.0	0.0	-7793.85	2915.98	163.59	-1571.85	-6.290e+04	-4.642e+05
		-4.642e+05	-6.290e+04	0.03	0.0	320.0	-6713.85	2915.98	163.59	-1571.85	-1.055e+04	4.690e+05
3	56	5.586e+05	-2.326e+04	0.60	0.0	0.0	-2261.83	-3114.16	-75.48	1562.24	-2.326e+04	5.586e+05
		-4.380e+05	-4.741e+04	-0.05	0.0	320.0	-1181.83	-3114.16	-75.48	1562.24	-4.741e+04	-4.380e+05
3	57	4.508e+05	-8129.91	-0.58	0.0	0.0	-7829.65	2794.90	178.84	-2668.51	-6.536e+04	-4.434e+05
		-4.434e+05	-6.536e+04	0.03	0.0	320.0	-6749.65	2794.90	178.84	-2668.51	-8129.91	4.508e+05
3	60	5.379e+05	-2.080e+04	0.59	0.0	0.0	-2226.03	-2993.08	-90.74	2658.91	-2.080e+04	5.379e+05
		-4.198e+05	-4.983e+04	-0.05	0.0	320.0	-1146.03	-2993.08	-90.74	2658.91	-4.983e+04	-4.198e+05
3	69	4.722e+04	-2.898e+04	-4.90e-03	0.0	0.0	-5027.84	-99.09	44.05	-4.80	-4.308e+04	4.722e+04
		1.551e+04	-4.308e+04	0.01	0.0	320.0	-3947.84	-99.09	44.05	-4.80	-2.898e+04	1.551e+04
3	70	4.722e+04	-2.898e+04	-4.90e-03	0.0	0.0	-5027.84	-99.09	44.05	-4.80	-4.308e+04	4.722e+04
		1.551e+04	-4.308e+04	0.01	0.0	320.0	-3947.84	-99.09	44.05	-4.80	-2.898e+04	1.551e+04
3	71	5.815e+04	-3.873e+04	-5.57e-03	0.0	0.0	-5935.22	-142.02	-39.73	13.48	-3.873e+04	5.815e+04
		1.271e+04	-5.145e+04	-0.01	0.0	320.0	-4855.22	-142.02	-39.73	13.48	-5.145e+04	1.271e+04
3	72	4.722e+04	-2.898e+04	-4.90e-03	0.0	0.0	-5027.84	-99.09	44.05	-4.80	-4.308e+04	4.722e+04
		1.551e+04	-4.308e+04	0.01	0.0	320.0	-3947.84	-99.09	44.05	-4.80	-2.898e+04	1.551e+04
3	73	4.941e+04	-3.347e+04	-5.03e-03	0.0	0.0	-5209.32	-107.68	27.30	-1.15	-4.221e+04	4.941e+04
		1.495e+04	-4.221e+04	0.01	0.0	320.0	-4129.32	-107.68	27.30	-1.15	-3.347e+04	1.495e+04
3	74	4.722e+04	-2.898e+04	-4.90e-03	0.0	0.0	-5027.84	-99.09	44.05	-4.80	-4.308e+04	4.722e+04
		1.551e+04	-4.308e+04	0.01	0.0	320.0	-3947.84	-99.09	44.05	-4.80	-2.898e+04	1.551e+04
14	2	-1.134e+04	5.834e+05	8.54e-03	0.0	0.0	-1.327e+04	264.05	1445.55	-48.37	1.208e+05	-9.583e+04
		-9.583e+04	1.208e+05	-0.13	0.0	320.0	-1.187e+04	264.05	1445.55	-48.37	5.834e+05	-1.134e+04
14	3	-1.301e+04	3.242e+05	5.57e-03	0.0	0.0	-8178.53	139.22	726.12	-51.68	9.185e+04	-5.756e+04
		-5.756e+04	9.185e+04	-0.08	0.0	320.0	-7098.53	139.22	726.12	-51.68	3.242e+05	-1.301e+04
14	4	-7435.13	4.861e+05	6.87e-03	0.0	0.0	-1.082e+04	222.29	1227.71	-32.86	9.323e+04	-7.857e+04
		-7.857e+04	9.323e+04	-0.11	0.0	320.0	-9738.08	222.29	1227.71	-32.86	4.861e+05	-7435.13
14	19	3.420e+05	8.078e+05	-0.46	0.0	0.0	-7792.98	2480.24	3777.19	8751.86	-4.011e+05	-4.513e+05
		-4.513e+05	-4.011e+05	-0.42	0.0	320.0	-6712.98	2480.24	3777.19	8751.86	8.078e+05	3.420e+05
14	29	1.435e+06	3.962e+05	-1.77	0.0	0.0	1602.86	9730.50	1311.39	1.262e+04	-2.339e+04	-1.678e+06
		-1.678e+06	-2.339e+04	0.09	0.0	320.0	2682.86	9730.50	1311.39	1.262e+04	3.962e+05	1.435e+06
14	32	1.563e+06	2.522e+05	1.76	0.0	0.0	-1.796e+04	-9452.05	140.84	-1.273e+04	2.071e+05	1.563e+06
		-1.461e+06	2.071e+05	-0.13	0.0	320.0	-1.688e+04	-9452.05	140.84	-1.273e+04	2.522e+05	-1.461e+06
14	33	1.487e+06	3.890e+05	-1.82	0.0	0.0	1473.16	1.007e+04	1264.25	9270.11	-1.550e+04	-1.735e+06
		-1.735e+06	-1.550e+04	0.10	0.0	320.0	2553.16	1.007e+04	1264.25	9270.11	3.890e+05	1.487e+06
14	36	1.620e+06	2.594e+05	1.81	0.0	0.0	-1.783e+04	-9789.02	187.99	-9373.46	1.992e+05	1.620e+06
		-1.513e+06	1.992e+05	-0.13	0.0	320.0	-1.675e+04	-9789.02	187.99	-9373.46	2.594e+05	-1.513e+06
14	51	1.151e+05	4.988e+05	-0.17	0.0	0.0	-8059.48	983.73	1828.17	3123.37	-8.628e+04	-1.996e+05
		-1.996e+05	-8.628e+04	-0.18	0.0	320.0	-6979.48	983.73	1828.17	3123.37	4.988e+05	1.151e+05
14	61	5.095e+05	3.501e+05	-0.64	0.0	0.0	-4642.71	3599.24	936.60	4520.76	5.042e+04	-6.422e+05
		-6.422e+05	5.042e+04	-0.06	0.0	320.0	-3562.71	3599.24	936.60	4520.76	3.501e+05	5.095e+05
14	64	5.271e+05	2.983e+05	0.63	0.0	0.0	-1.171e+04	-3320.79	515.64	-4624.12	1.333e+05	5.271e+05
		-5.355e+05	1.333e+05	-0.10	0.0	320.0	-1.063e+04	-3320.79	515.64	-4624.12	2.983e+05	-5.355e+05
14	65	5.280e+05	3.475e+05	-0.66	0.0	0.0	-4688.43	3720.82	919.63	3311.77	5.325e+04	-6.627e+05
		-6.627e+05	5.325e+04	-0.06	0.0	320.0	-3608.43	3720.82	919.63	3311.77	3.475e+05	5.280e+05
14	68	5.476e+05	3.009e+05	0.65	0.0	0.0	-1.167e+04	-3442.38	532.61	-3415.13	1.305e+05	5.476e+05
		-5.540e+05	1.305e+05	-0.10	0.0	320.0	-1.059e+04	-3442.38	532.61	-3415.13	3.009e+05	-5.540e+05
14	69	-1.301e+04	3.242e+05	5.57e-03	0.0	0.0	-8178.53	139.22	726.12	-51.68	9.185e+04	-5.756e+04
		-5.756e+04	9.185e+04	-0.08	0.0	320.0	-7098.53	139.22	726.12	-51.68	3.242e+05	-1.301e+04
14	70	-1.301e+04	3.242e+05	5.57e-03	0.0	0.0	-8178.53	139.22	726.12	-51.68	9.185e+04	-5.756e+04
		-5.756e+04	9.185e+04	-0.08	0.0	320.0	-7098.53	139.22	726.12	-51.68	3.242e+05	-1.301e+04
14	71	-9291.98	4.321e+05	6.43e-03	0.0	0.0	-9938.23	194.60	1060.51	-39.14	9.277e+04	-7.156e+04
		-7.156e+04	9.277e+04	-0.10	0.0	320.0	-8858.23	194.60	1060.51	-39.14	4.321e+05	-9291.98
14	72	-1.301e+04	3.242e+05	5.57e-03	0.0	0.0	-8178.53	139.22	726.12	-51.68	9.185e+04	-5.756e+04
		-5.756e+04	9.185e+04	-0.08	0.0	320.0	-7098.53	139.22	726.12	-51.68	3.242e+05	-1.301e+04
14	73	-1.226e+04	3.458e+05	5.74e-03	0.0	0.0	-8530.47	150.30	793.00	-49.17	9.204e+04	-6.036e+04

		-6.036e+04	9.204e+04	-0.08	0.0	320.0	-7450.47	150.30	793.00	-49.17	3.458e+05	-1.226e+04
14	74	-1.301e+04	3.242e+05	5.57e-03	0.0	0.0	-8178.53	139.22	726.12	-51.68	9.185e+04	-5.756e+04
		-5.756e+04	9.185e+04	-0.08	0.0	320.0	-7098.53	139.22	726.12	-51.68	3.242e+05	-1.301e+04
15	2	9.583e+04	5.834e+05	-8.55e-03	0.0	0.0	-1.327e+04	-263.99	1445.86	50.87	1.207e+05	9.583e+04
		1.135e+04	1.207e+05	-0.13	0.0	320.0	-1.187e+04	-263.99	1445.86	50.87	5.834e+05	1.135e+04
15	3	5.755e+04	3.242e+05	-5.57e-03	0.0	0.0	-8178.61	-139.18	726.34	53.50	9.180e+04	5.755e+04
		1.301e+04	9.180e+04	-0.08	0.0	320.0	-7098.61	-139.18	726.34	53.50	3.242e+05	1.301e+04
15	4	7.856e+04	4.861e+05	-6.88e-03	0.0	0.0	-1.082e+04	-222.23	1227.96	34.82	9.318e+04	7.856e+04
		7447.53	9.318e+04	-0.11	0.0	320.0	-9738.19	-222.23	1227.96	34.82	4.861e+05	7447.53
15	12	4.513e+05	8.078e+05	0.46	0.0	0.0	-7793.10	-2480.14	3777.39	-8749.25	-4.011e+05	4.513e+05
		-3.420e+05	-4.011e+05	-0.42	0.0	320.0	-6713.10	-2480.14	3777.39	-8749.25	8.078e+05	-3.420e+05
15	30	1.735e+06	3.891e+05	1.82	0.0	0.0	1473.07	-1.007e+04	1264.46	-9270.17	-1.554e+04	1.735e+06
		-1.487e+06	-1.554e+04	0.10	0.0	320.0	2553.07	-1.007e+04	1264.46	-9270.17	3.891e+05	-1.487e+06
15	31	1.513e+06	2.594e+05	-1.81	0.0	0.0	-1.783e+04	9788.53	188.21	9377.18	1.992e+05	-1.620e+06
		-1.620e+06	1.992e+05	-0.13	0.0	320.0	-1.675e+04	9788.53	188.21	9377.18	2.594e+05	1.513e+06
15	34	1.678e+06	3.963e+05	1.77	0.0	0.0	1602.78	-9729.94	1311.61	-1.262e+04	-2.343e+04	1.678e+06
		-1.435e+06	-2.343e+04	0.09	0.0	320.0	2682.78	-9729.94	1311.61	-1.262e+04	3.963e+05	-1.435e+06
15	35	1.461e+06	2.522e+05	-1.76	0.0	0.0	-1.796e+04	9451.57	141.07	1.273e+04	2.070e+05	-1.563e+06
		-1.563e+06	2.070e+05	-0.13	0.0	320.0	-1.688e+04	9451.57	141.07	1.273e+04	2.522e+05	1.461e+06
15	44	1.996e+05	4.988e+05	0.17	0.0	0.0	-8059.58	-983.67	1828.37	-3121.27	-8.633e+04	1.996e+05
		-1.151e+05	-8.633e+04	-0.18	0.0	320.0	-6979.58	-983.67	1828.37	-3121.27	4.988e+05	-1.151e+05
15	62	6.627e+05	3.475e+05	0.66	0.0	0.0	-4688.51	-3720.59	919.84	-3310.63	5.321e+04	6.627e+05
		-5.280e+05	5.321e+04	-0.06	0.0	320.0	-3608.51	-3720.59	919.84	-3310.63	3.475e+05	-5.280e+05
15	63	5.540e+05	3.009e+05	-0.65	0.0	0.0	-1.167e+04	3442.22	532.83	3417.64	1.304e+05	-5.476e+05
		-5.476e+05	1.304e+05	-0.10	0.0	320.0	-1.059e+04	3442.22	532.83	3417.64	3.009e+05	5.540e+05
15	66	6.422e+05	3.501e+05	0.64	0.0	0.0	-4642.79	-3599.01	936.81	-4519.65	5.037e+04	6.422e+05
		-5.095e+05	5.037e+04	-0.06	0.0	320.0	-3562.79	-3599.01	936.81	-4519.65	3.501e+05	-5.095e+05
15	67	5.355e+05	2.983e+05	-0.63	0.0	0.0	-1.171e+04	3320.65	515.86	4626.66	1.332e+05	-5.271e+05
		-5.271e+05	1.332e+05	-0.10	0.0	320.0	-1.063e+04	3320.65	515.86	4626.66	2.983e+05	5.355e+05
15	69	5.755e+04	3.242e+05	-5.57e-03	0.0	0.0	-8178.61	-139.18	726.34	53.50	9.180e+04	5.755e+04
		1.301e+04	9.180e+04	-0.08	0.0	320.0	-7098.61	-139.18	726.34	53.50	3.242e+05	1.301e+04
15	70	5.755e+04	3.242e+05	-5.57e-03	0.0	0.0	-8178.61	-139.18	726.34	53.50	9.180e+04	5.755e+04
		1.301e+04	9.180e+04	-0.08	0.0	320.0	-7098.61	-139.18	726.34	53.50	3.242e+05	1.301e+04
15	71	7.156e+04	4.322e+05	-6.44e-03	0.0	0.0	-9938.33	-194.55	1060.75	41.04	9.272e+04	7.156e+04
		9303.12	9.272e+04	-0.10	0.0	320.0	-8858.33	-194.55	1060.75	41.04	4.322e+05	9303.12
15	72	5.755e+04	3.242e+05	-5.57e-03	0.0	0.0	-8178.61	-139.18	726.34	53.50	9.180e+04	5.755e+04
		1.301e+04	9.180e+04	-0.08	0.0	320.0	-7098.61	-139.18	726.34	53.50	3.242e+05	1.301e+04
15	73	6.035e+04	3.458e+05	-5.75e-03	0.0	0.0	-8530.56	-150.26	793.22	51.01	9.199e+04	6.035e+04
		1.227e+04	9.199e+04	-0.08	0.0	320.0	-7450.56	-150.26	793.22	51.01	3.458e+05	1.227e+04
15	74	5.755e+04	3.242e+05	-5.57e-03	0.0	0.0	-8178.61	-139.18	726.34	53.50	9.180e+04	5.755e+04
		1.301e+04	9.180e+04	-0.08	0.0	320.0	-7098.61	-139.18	726.34	53.50	3.242e+05	1.301e+04
16	2	6.054e+05	5425.19	-0.04	0.0	0.0	-2.520e+04	1981.77	281.36	-128.47	-8.461e+04	-2.878e+04
		-2.878e+04	-8.461e+04	0.01	0.0	320.0	-2.379e+04	1981.77	281.36	-128.47	5425.19	6.054e+05
16	3	3.606e+05	2755.68	-0.03	0.0	0.0	-1.496e+04	1192.77	164.34	-77.45	-4.983e+04	-2.108e+04
		-2.108e+04	-4.983e+04	8.60e-03	0.0	320.0	-1.388e+04	1192.77	164.34	-77.45	2755.68	3.606e+05
16	18	1.520e+06	2.503e+05	-0.41	0.0	0.0	-1.359e+04	8725.54	-908.23	-685.19	2.503e+05	-1.272e+06
		-1.272e+06	-2.969e+04	0.49	0.0	320.0	-1.251e+04	8725.54	-908.23	-685.19	-2.969e+04	1.520e+06
16	21	7.395e+05	9.994e+04	-0.15	0.0	0.0	-1.198e+04	3738.48	3129.63	1.708e+04	-9.015e+05	-4.579e+05
		-4.579e+05	-9.015e+05	-1.60	0.0	320.0	-1.090e+04	3738.48	3129.63	1.708e+04	9.994e+04	7.395e+05
16	24	4.158e+05	8.018e+05	0.17	0.0	0.0	-1.794e+04	-1352.94	-2800.94	-1.724e+04	8.018e+05	4.158e+05
		-1.828e+04	-9.443e+04	1.60	0.0	320.0	-1.686e+04	-1352.94	-2800.94	-1.724e+04	-9.443e+04	-1.828e+04
16	34	9.482e+05	8.908e+05	-0.16	0.0	0.0	-1.658e+04	4883.69	-3174.22	1.458e+04	8.908e+05	-6.147e+05
		-6.147e+05	-1.218e+05	1.70	0.0	320.0	-1.550e+04	4883.69	-3174.22	1.458e+04	-1.218e+05	9.482e+05
16	35	5.726e+05	1.274e+05	0.18	0.0	0.0	-1.334e+04	-2498.15	3502.91	-1.473e+04	-9.904e+05	5.726e+05
		-2.270e+05	-9.904e+05	-1.71	0.0	320.0	-1.226e+04	-2498.15	3502.91	-1.473e+04	1.274e+05	-2.270e+05
16	50	7.789e+05	5.841e+04	-0.15	0.0	0.0	-1.446e+04	3909.19	-222.54	-296.49	5.841e+04	-4.721e+05
		-4.721e+05	-8947.54	0.17	0.0	320.0	-1.338e+04	3909.19	-222.54	-296.49	-8947.54	7.789e+05
16	53	4.972e+05	3.782e+04	-0.06	0.0	0.0	-1.387e+04	2110.80	1233.92	6109.47	-3.570e+05	-1.786e+05
		-1.786e+05	-3.570e+05	-0.58	0.0	320.0	-1.279e+04	2110.80	1233.92	6109.47	3.782e+04	4.972e+05
16	56	2.240e+05	2.573e+05	0.07	0.0	0.0	-1.605e+04	274.75	-905.23	-6264.37	2.573e+05	1.365e+05
		1.365e+05	-3.231e+04	0.57	0.0	320.0	-1.497e+04	274.75	-905.23	-6264.37	-3.231e+04	2.240e+05
16	66	5.725e+05	2.894e+05	-0.07	0.0	0.0	-1.556e+04	2523.72	-1039.81	5207.63	2.894e+05	-2.351e+05
		-2.351e+05	-4.219e+04	0.61	0.0	320.0	-1.448e+04	2523.72	-1039.81	5207.63	-4.219e+04	5.725e+05
16	67	1.930e+05	4.770e+04	0.07	0.0	0.0	-1.436e+04	-138.18	1368.50	-5362.53	-3.891e+05	1.930e+05
		1.487e+05	-3.891e+05	-0.62	0.0	320.0	-1.328e+04	-138.18	1368.50	-5362.53	4.770e+04	1.487e+05
16	69	3.606e+05	2755.68	-0.03	0.0	0.0	-1.496e+04	1192.77	164.34	-77.45	-4.983e+04	-2.108e+04
		-2.108e+04	-4.983e+04	8.60e-03	0.0	320.0	-1.388e+04	1192.77	164.34	-77.45	2755.68	3.606e+05
16	70	3.606e+05	2755.68	-0.03	0.0	0.0	-1.496e+04	1192.77	164.34	-77.45	-4.983e+04	-2.108e+04
		-2.108e+04	-4.983e+04	8.60e-03	0.0	320.0	-1.388e+04	1192.77	164.34	-77.45	2755.68	3.606e+05
16	71	4.517e+05	3984.22	-0.03	0.0	0.0	-1.879e+04	1480.21	209.49	-95.98	-6.305e+04	-2.200e+04
		-2.200e+04	-6.305e+04	0.01	0.0	320.0	-1.771e+04	1480.21	209.49	-95.98	3984.22	4.517e+05
16	72	3.606e+05	2755.68	-0.03	0.0	0.0	-1.496e+04	1192.77	164.34	-77.45	-4.983e+04	-2.108e+04
		-2.108e+04	-4.983e+04	8.60e-03	0.0	320.0	-1.388e+04	1192.77	164.34	-77.45	2755.68	3.606e+05
16	73	3.788e+05	3001.39	-0.03	0.0	0.0	-1.573e+04	1250.26	173.37	-81.16	-5.248e+04	-2.126e+04
		-2.126e+04	-5.248e+04	9.04e-03	0.0	320.0	-1.465e+04	1250.26	173.37	-81.16	3001.39	3.788e+05
16	74	3.606e+05	2755.68	-0.03	0.0	0.0	-1.496e+04	1192.77	164.34	-77.45	-4.983e+04	-2.108e+04

	-2.108e+04	-4.983e+04	8.60e-03	0.0	320.0	-1.388e+04	1192.77	164.34	-77.45	2755.68	3.606e+05	
17	2 6.053e+05	8.456e+04	-0.04	0.0	0.0	-2.520e+04	1980.91	-281.17	123.20	8.456e+04	-2.858e+04	
	-2.858e+04	-5415.41	-0.01	0.0	320.0	-2.379e+04	1980.91	-281.17	123.20	-5415.41	6.053e+05	
17	3 3.606e+05	4.980e+04	-0.03	0.0	0.0	-1.496e+04	1192.27	-164.23	74.27	4.980e+04	-2.096e+04	
	-2.096e+04	-2749.84	-8.60e-03	0.0	320.0	-1.388e+04	1192.27	-164.23	74.27	-2749.84	3.606e+05	
17	9 1.520e+06	2.970e+04	-0.41	0.0	0.0	-1.359e+04	8724.33	908.15	681.54	-2.502e+05	-1.272e+06	
	-1.272e+06	-2.502e+05	-0.49	0.0	320.0	-1.251e+04	8724.33	908.15	681.54	2.970e+04	1.520e+06	
17	26 7.394e+05	9.014e+05	-0.15	0.0	0.0	-1.198e+04	3737.87	-3129.38	-1.708e+04	9.014e+05	-4.578e+05	
	-4.578e+05	-9.993e+04	1.60	0.0	320.0	-1.090e+04	3737.87	-3129.38	-1.708e+04	-9.993e+04	7.394e+05	
17	27 4.159e+05	9.443e+04	0.17	0.0	0.0	-1.794e+04	-1353.33	2800.92	1.723e+04	-8.018e+05	4.159e+05	
	-1.830e+04	-8.018e+05	-1.60	0.0	320.0	-1.686e+04	-1353.33	2800.92	1.723e+04	9.443e+04	-1.830e+04	
17	29 9.481e+05	1.218e+05	-0.16	0.0	0.0	-1.658e+04	4882.82	3174.11	-1.458e+04	-8.907e+05	-6.145e+05	
	-6.145e+05	-8.907e+05	-1.70	0.0	320.0	-1.550e+04	4882.82	3174.11	-1.458e+04	1.218e+05	9.481e+05	
17	32 5.726e+05	9.903e+05	0.18	0.0	0.0	-1.334e+04	-2498.28	-3502.57	1.473e+04	9.903e+05	5.726e+05	
	-2.270e+05	-1.273e+05	1.71	0.0	320.0	-1.226e+04	-2498.28	-3502.57	1.473e+04	-1.273e+05	-2.270e+05	
17	41 7.788e+05	8954.06	-0.15	0.0	0.0	-1.446e+04	3908.43	222.58	293.14	-5.842e+04	-4.719e+05	
	-4.719e+05	-5.842e+04	-0.17	0.0	320.0	-1.338e+04	3908.43	222.58	293.14	8954.06	7.788e+05	
17	58 4.972e+05	3.570e+05	-0.06	0.0	0.0	-1.387e+04	2110.26	-1233.76	-6111.69	3.570e+05	-1.785e+05	
	-1.785e+05	-3.781e+04	0.58	0.0	320.0	-1.279e+04	2110.26	-1233.76	-6111.69	-3.781e+04	4.972e+05	
17	59 2.239e+05	3.231e+04	0.07	0.0	0.0	-1.605e+04	274.28	905.29	6260.22	-2.574e+05	1.366e+05	
	1.366e+05	-2.574e+05	-0.57	0.0	320.0	-1.497e+04	274.28	905.29	6260.22	3.231e+04	2.239e+05	
17	61 5.724e+05	4.219e+04	-0.07	0.0	0.0	-1.556e+04	2523.09	1039.84	-5211.15	-2.894e+05	-2.350e+05	
	-2.350e+05	-2.894e+05	-0.61	0.0	320.0	-1.448e+04	2523.09	1039.84	-5211.15	4.219e+04	5.724e+05	
17	64 1.931e+05	3.890e+05	0.07	0.0	0.0	-1.436e+04	-138.55	-1368.31	5359.68	3.890e+05	1.931e+05	
	1.487e+05	-4.769e+04	0.62	0.0	320.0	-1.328e+04	-138.55	-1368.31	5359.68	-4.769e+04	1.487e+05	
17	69 3.606e+05	4.980e+04	-0.03	0.0	0.0	-1.496e+04	1192.27	-164.23	74.27	4.980e+04	-2.096e+04	
	-2.096e+04	-2749.84	-8.60e-03	0.0	320.0	-1.388e+04	1192.27	-164.23	74.27	-2749.84	3.606e+05	
17	70 3.606e+05	4.980e+04	-0.03	0.0	0.0	-1.496e+04	1192.27	-164.23	74.27	4.980e+04	-2.096e+04	
	-2.096e+04	-2749.84	-8.60e-03	0.0	320.0	-1.388e+04	1192.27	-164.23	74.27	-2749.84	3.606e+05	
17	71 4.516e+05	6.301e+04	-0.03	0.0	0.0	-1.879e+04	1479.58	-209.35	92.04	6.301e+04	-2.185e+04	
	-2.185e+04	-3976.92	-0.01	0.0	320.0	-1.771e+04	1479.58	-209.35	92.04	-3976.92	4.516e+05	
17	72 3.606e+05	4.980e+04	-0.03	0.0	0.0	-1.496e+04	1192.27	-164.23	74.27	4.980e+04	-2.096e+04	
	-2.096e+04	-2749.84	-8.60e-03	0.0	320.0	-1.388e+04	1192.27	-164.23	74.27	-2749.84	3.606e+05	
17	73 3.788e+05	5.245e+04	-0.03	0.0	0.0	-1.573e+04	1249.73	-173.25	77.82	5.245e+04	-2.114e+04	
	-2.114e+04	-2995.26	-9.04e-03	0.0	320.0	-1.465e+04	1249.73	-173.25	77.82	-2995.26	3.788e+05	
17	74 3.606e+05	4.980e+04	-0.03	0.0	0.0	-1.496e+04	1192.27	-164.23	74.27	4.980e+04	-2.096e+04	
	-2.096e+04	-2749.84	-8.60e-03	0.0	320.0	-1.388e+04	1192.27	-164.23	74.27	-2749.84	3.606e+05	
18	2 -2026.54	-3384.10	0.01	0.0	0.0	-1.287e+04	-183.14	133.95	-3.78	-4.625e+04	-2026.54	
	-6.063e+04	-4.625e+04	8.89e-03	0.0	320.0	-1.146e+04	-183.14	133.95	-3.78	-3384.10	-6.063e+04	
18	3 -1242.97	-2154.23	6.83e-03	0.0	0.0	-7720.65	-108.37	79.50	-2.07	-2.759e+04	-1242.97	
	-3.592e+04	-2.759e+04	5.32e-03	0.0	320.0	-6640.65	-108.37	79.50	-2.07	-2154.23	-3.592e+04	
18	16 1.210e+06	2.242e+05	0.42	0.0	0.0	-7709.16	-7584.43	-763.98	3248.89	2.242e+05	1.210e+06	
	-1.217e+06	-2.017e+04	0.48	0.0	320.0	-6629.16	-7584.43	-763.98	3248.89	-2.017e+04	-1.217e+06	
18	22 1.064e+05	8.347e+05	-0.09	0.0	0.0	-6145.17	811.25	-2816.82	-6195.60	8.347e+05	-1.532e+05	
	-1.532e+05	-6.583e+04	1.67	0.0	320.0	-5065.17	811.25	-2816.82	-6195.60	-6.583e+04	1.064e+05	
18	23 1.507e+05	6.152e+04	0.10	0.0	0.0	-9296.13	-1027.98	2975.82	6191.46	-8.899e+05	1.507e+05	
	-1.782e+05	-8.899e+05	-1.67	0.0	320.0	-8216.13	-1027.98	2975.82	6191.46	6.152e+04	-1.782e+05	
18	26 1.212e+05	8.341e+05	-0.10	0.0	0.0	-6133.30	904.55	-2814.76	-9662.44	8.341e+05	-1.683e+05	
	-1.683e+05	-6.662e+04	1.68	0.0	320.0	-5053.30	904.55	-2814.76	-9662.44	-6.662e+04	1.212e+05	
18	27 1.658e+05	6.231e+04	0.11	0.0	0.0	-9308.00	-1121.28	2973.77	9658.30	-8.893e+05	1.658e+05	
	-1.930e+05	-8.893e+05	-1.69	0.0	320.0	-8228.00	-1121.28	2973.77	9658.30	6.231e+04	-1.930e+05	
18	48 4.355e+05	6.322e+04	0.15	0.0	0.0	-7722.28	-2804.21	-224.69	1170.06	6.322e+04	4.355e+05	
	-4.619e+05	-8652.81	0.17	0.0	320.0	-6642.28	-2804.21	-224.69	1170.06	-8652.81	-4.619e+05	
18	54 1.540e+04	2.834e+05	-0.03	0.0	0.0	-7133.64	223.26	-965.18	-2235.71	2.834e+05	-5.604e+04	
	-5.604e+04	-2.512e+04	0.60	0.0	320.0	-6053.64	223.26	-965.18	-2235.71	-2.512e+04	1.540e+04	
18	55 5.356e+04	2.081e+04	0.04	0.0	0.0	-8307.66	-439.99	1124.19	2231.57	-3.386e+05	5.356e+04	
	-8.724e+04	-3.386e+05	-0.60	0.0	320.0	-7227.66	-439.99	1124.19	2231.57	2.081e+04	-8.724e+04	
18	58 2.073e+04	2.832e+05	-0.03	0.0	0.0	-7129.59	256.90	-964.45	-3485.79	2.832e+05	-6.147e+04	
	-6.147e+04	-2.541e+04	0.61	0.0	320.0	-6049.59	256.90	-964.45	-3485.79	-2.541e+04	2.073e+04	
18	59 5.899e+04	2.110e+04	0.04	0.0	0.0	-8311.71	-473.64	1123.45	3481.65	-3.384e+05	5.899e+04	
	-9.258e+04	-3.384e+05	-0.61	0.0	320.0	-7231.71	-473.64	1123.45	3481.65	2.110e+04	-9.258e+04	
18	69 -1242.97	-2154.23	6.83e-03	0.0	0.0	-7720.65	-108.37	79.50	-2.07	-2.759e+04	-1242.97	
	-3.592e+04	-2.759e+04	5.32e-03	0.0	320.0	-6640.65	-108.37	79.50	-2.07	-2154.23	-3.592e+04	
18	70 -1242.97	-2154.23	6.83e-03	0.0	0.0	-7720.65	-108.37	79.50	-2.07	-2.759e+04	-1242.97	
	-3.592e+04	-2.759e+04	5.32e-03	0.0	320.0	-6640.65	-108.37	79.50	-2.07	-2154.23	-3.592e+04	
18	71 -1516.75	-2543.29	0.01	0.0	0.0	-9607.51	-136.54	99.90	-2.79	-3.451e+04	-1516.75	
	-4.521e+04	-3.451e+04	6.64e-03	0.0	320.0	-8527.51	-136.54	99.90	-2.79	-2543.29	-4.521e+04	
18	72 -1242.97	-2154.23	6.83e-03	0.0	0.0	-7720.65	-108.37	79.50	-2.07	-2.759e+04	-1242.97	
	-3.592e+04	-2.759e+04	5.32e-03	0.0	320.0	-6640.65	-108.37	79.50	-2.07	-2154.23	-3.592e+04	
18	73 -1297.73	-2232.04	7.51e-03	0.0	0.0	-8098.02	-114.00	83.58	-2.21	-2.898e+04	-1297.73	
	-3.778e+04	-2.898e+04	5.59e-03	0.0	320.0	-7018.02	-114.00	83.58	-2.21	-2232.04	-3.778e+04	
18	74 -1242.97	-2154.23	6.83e-03	0.0	0.0	-7720.65	-108.37	79.50	-2.07	-2.759e+04	-1242.97	
	-3.592e+04	-2.759e+04	5.32e-03	0.0	320.0	-6640.65	-108.37	79.50	-2.07	-2154.23	-3.592e+04	
19	2 -2008.87	4.626e+04	0.01	0.0	0.0	-1.287e+04	-183.21	-134.00	1.81	4.626e+04	-2008.87	
	-6.064e+04	3382.05	-8.89e-03	0.0	320.0	-1.146e+04	-183.21	-134.00	1.81	3382.05	-6.064e+04	
19	3 -1232.84	2.760e+04	6.83e-03	0.0	0.0	-7720.56	-108.40	-79.53	0.87	2.760e+04	-1232.84	

		-3.592e+04	2153.22	-5.33e-03	0.0	320.0	-6640.56	-108.40	-79.53	0.87	2153.22	-3.592e+04
19	7	1.210e+06	2.017e+04	0.42	0.0	0.0	-7709.22	-7584.43	763.95	-3250.08	-2.242e+05	1.210e+06
		-1.217e+06	-2.242e+05	-0.48	0.0	320.0	-6629.22	-7584.43	763.95	-3250.08	2.017e+04	-1.217e+06
19	21	1.212e+05	6.662e+04	-0.10	0.0	0.0	-6133.65	904.54	2814.71	9658.76	-8.341e+05	-1.682e+05
		-1.682e+05	-8.341e+05	-1.68	0.0	320.0	-5053.65	904.54	2814.71	9658.76	6.662e+04	1.212e+05
19	24	1.658e+05	8.893e+05	0.11	0.0	0.0	-9307.47	-1121.35	-2973.77	-9657.03	8.893e+05	1.658e+05
		-1.931e+05	-6.231e+04	1.69	0.0	320.0	-8227.47	-1121.35	-2973.77	-9657.03	-6.231e+04	-1.931e+05
19	25	1.064e+05	6.583e+04	-0.09	0.0	0.0	-6145.53	811.23	2816.75	6191.99	-8.347e+05	-1.532e+05
		-1.532e+05	-8.347e+05	-1.67	0.0	320.0	-5065.53	811.23	2816.75	6191.99	6.583e+04	1.064e+05
19	28	1.507e+05	8.899e+05	0.10	0.0	0.0	-9295.59	-1028.04	-2975.81	-6190.26	8.899e+05	1.507e+05
		-1.783e+05	-6.152e+04	1.67	0.0	320.0	-8215.59	-1028.04	-2975.81	-6190.26	-6.152e+04	-1.783e+05
19	39	4.355e+05	8651.82	0.15	0.0	0.0	-7722.25	-2804.23	224.67	-1171.26	-6.321e+04	4.355e+05
		-4.619e+05	-6.321e+04	-0.17	0.0	320.0	-6642.25	-2804.23	224.67	-1171.26	8651.82	-4.619e+05
19	53	2.074e+04	2.540e+04	-0.03	0.0	0.0	-7129.68	256.87	964.41	3483.69	-2.832e+05	-6.146e+04
		-6.146e+04	-2.832e+05	-0.61	0.0	320.0	-6049.68	256.87	964.41	3483.69	2.540e+04	2.074e+04
19	56	5.899e+04	3.384e+05	0.04	0.0	0.0	-8311.43	-473.68	-1123.47	-3481.96	3.384e+05	5.899e+04
		-9.258e+04	-2.110e+04	0.61	0.0	320.0	-7231.43	-473.68	-1123.47	-3481.96	-2.110e+04	-9.258e+04
19	57	1.540e+04	2.512e+04	-0.03	0.0	0.0	-7133.74	223.23	965.14	2233.64	-2.834e+05	-5.603e+04
		-5.603e+04	-2.834e+05	-0.60	0.0	320.0	-6053.74	223.23	965.14	2233.64	2.512e+04	1.540e+04
19	60	5.356e+04	3.386e+05	0.04	0.0	0.0	-8307.38	-440.04	-1124.20	-2231.91	3.386e+05	5.356e+04
		-8.725e+04	-2.081e+04	0.60	0.0	320.0	-7227.38	-440.04	-1124.20	-2231.91	-2.081e+04	-8.725e+04
19	69	-1232.84	2.760e+04	6.83e-03	0.0	0.0	-7720.56	-108.40	-79.53	0.87	2.760e+04	-1232.84
		-3.592e+04	2153.22	-5.33e-03	0.0	320.0	-6640.56	-108.40	-79.53	0.87	2153.22	-3.592e+04
19	70	-1232.84	2.760e+04	6.83e-03	0.0	0.0	-7720.56	-108.40	-79.53	0.87	2.760e+04	-1232.84
		-3.592e+04	2153.22	-5.33e-03	0.0	320.0	-6640.56	-108.40	-79.53	0.87	2153.22	-3.592e+04
19	71	-1503.62	3.452e+04	0.01	0.0	0.0	-9607.40	-136.59	-99.94	1.32	3.452e+04	-1503.62
		-4.521e+04	2541.80	-6.64e-03	0.0	320.0	-8527.40	-136.59	-99.94	1.32	2541.80	-4.521e+04
19	72	-1232.84	2.760e+04	6.83e-03	0.0	0.0	-7720.56	-108.40	-79.53	0.87	2.760e+04	-1232.84
		-3.592e+04	2153.22	-5.33e-03	0.0	320.0	-6640.56	-108.40	-79.53	0.87	2153.22	-3.592e+04
19	73	-1286.99	2.899e+04	7.51e-03	0.0	0.0	-8097.93	-114.04	-83.61	0.96	2.899e+04	-1286.99
		-3.778e+04	2230.93	-5.59e-03	0.0	320.0	-7017.93	-114.04	-83.61	0.96	2230.93	-3.778e+04
19	74	-1232.84	2.760e+04	6.83e-03	0.0	0.0	-7720.56	-108.40	-79.53	0.87	2.760e+04	-1232.84
		-3.592e+04	2153.22	-5.33e-03	0.0	320.0	-6640.56	-108.40	-79.53	0.87	2153.22	-3.592e+04
20	1	4.939e+04	-6.98	9.30e-03	0.0	0.0	-1.294e+04	-407.99	133.00	49.42	-4.257e+04	4.939e+04
		-8.116e+04	-4.257e+04	7.71e-03	0.0	320.0	-1.154e+04	-407.99	133.00	49.42	-6.98	-8.116e+04
20	2	4.739e+04	1038.71	0.01	0.0	0.0	-1.655e+04	-420.81	175.50	58.18	-5.512e+04	4.739e+04
		-8.727e+04	-5.512e+04	9.81e-03	0.0	320.0	-1.514e+04	-420.81	175.50	58.18	1038.71	-8.727e+04
20	3	3.800e+04	-5.37	7.16e-03	0.0	0.0	-9953.97	-313.84	102.31	38.02	-3.274e+04	3.800e+04
		-6.243e+04	-3.274e+04	5.93e-03	0.0	320.0	-8873.97	-313.84	102.31	38.02	-5.37	-6.243e+04
20	4	3.599e+04	1040.32	0.01	0.0	0.0	-1.356e+04	-326.66	144.80	46.78	-4.530e+04	3.599e+04
		-6.854e+04	-4.530e+04	8.04e-03	0.0	320.0	-1.248e+04	-326.66	144.80	46.78	1040.32	-6.854e+04
20	16	1.110e+06	1.718e+05	0.41	0.0	0.0	-9186.39	-6869.99	-636.52	6608.97	1.718e+05	1.110e+06
		-1.089e+06	-3.193e+04	0.45	0.0	320.0	-8106.39	-6869.99	-636.52	6608.97	-3.193e+04	-1.089e+06
20	22	4.055e+04	7.243e+05	-0.10	0.0	0.0	-1.260e+04	-406.78	-2674.23	6419.71	7.243e+05	4.055e+04
		-8.962e+04	-1.315e+05	1.67	0.0	320.0	-1.152e+04	-406.78	-2674.23	6419.71	-1.315e+05	-8.962e+04
20	23	3.544e+04	1.315e+05	0.11	0.0	0.0	-7312.37	-220.90	2878.85	-6343.67	-7.898e+05	3.544e+04
		-3.525e+04	-7.898e+05	-1.67	0.0	320.0	-6232.37	-220.90	2878.85	-6343.67	1.315e+05	-3.525e+04
20	26	2.572e+04	7.383e+05	-0.11	0.0	0.0	-1.256e+04	-314.61	-2733.03	3265.46	7.383e+05	2.572e+04
		-7.496e+04	-1.364e+05	1.70	0.0	320.0	-1.148e+04	-314.61	-2733.03	3265.46	-1.364e+05	-7.496e+04
20	27	5.027e+04	1.364e+05	0.12	0.0	0.0	-7351.29	-313.07	2937.64	-3189.42	-8.037e+05	5.027e+04
		-4.991e+04	-8.037e+05	-1.70	0.0	320.0	-6271.29	-313.07	2937.64	-3189.42	1.364e+05	-4.991e+04
20	48	4.245e+05	4.102e+04	0.15	0.0	0.0	-9675.40	-2678.40	-164.20	2408.60	4.102e+04	4.245e+05
		-4.326e+05	-1.152e+04	0.16	0.0	320.0	-8595.40	-2678.40	-164.20	2408.60	-1.152e+04	-4.326e+05
20	54	3.889e+04	2.403e+05	-0.03	0.0	0.0	-1.092e+04	-347.19	-899.22	2343.20	2.403e+05	3.889e+04
		-7.221e+04	-4.745e+04	0.60	0.0	320.0	-9842.73	-347.19	-899.22	2343.20	-4.745e+04	-7.221e+04
20	55	3.710e+04	4.744e+04	0.04	0.0	0.0	-8985.20	-280.49	1103.84	-2267.16	-3.058e+05	3.710e+04
		-5.266e+04	-3.058e+05	-0.60	0.0	320.0	-7905.20	-280.49	1103.84	-2267.16	4.744e+04	-5.266e+04
20	58	3.355e+04	2.454e+05	-0.03	0.0	0.0	-1.091e+04	-313.97	-920.43	1205.83	2.454e+05	3.355e+04
		-6.692e+04	-4.919e+04	0.61	0.0	320.0	-9828.80	-313.97	-920.43	1205.83	-4.919e+04	-6.692e+04
20	59	4.244e+04	4.918e+04	0.05	0.0	0.0	-8999.13	-313.71	1125.04	-1129.80	-3.109e+05	4.244e+04
		-5.794e+04	-3.109e+05	-0.61	0.0	320.0	-7919.13	-313.71	1125.04	-1129.80	4.918e+04	-5.794e+04
20	69	3.800e+04	-5.37	7.16e-03	0.0	0.0	-9953.97	-313.84	102.31	38.02	-3.274e+04	3.800e+04
		-6.243e+04	-3.274e+04	5.93e-03	0.0	320.0	-8873.97	-313.84	102.31	38.02	-5.37	-6.243e+04
20	70	3.800e+04	-5.37	7.16e-03	0.0	0.0	-9953.97	-313.84	102.31	38.02	-3.274e+04	3.800e+04
		-6.243e+04	-3.274e+04	5.93e-03	0.0	320.0	-8873.97	-313.84	102.31	38.02	-5.37	-6.243e+04
20	71	3.666e+04	691.76	0.01	0.0	0.0	-1.236e+04	-322.39	130.64	43.86	-4.111e+04	3.666e+04
		-6.650e+04	-4.111e+04	7.33e-03	0.0	320.0	-1.128e+04	-322.39	130.64	43.86	691.76	-6.650e+04
20	72	3.800e+04	-5.37	7.16e-03	0.0	0.0	-9953.97	-313.84	102.31	38.02	-3.274e+04	3.800e+04
		-6.243e+04	-3.274e+04	5.93e-03	0.0	320.0	-8873.97	-313.84	102.31	38.02	-5.37	-6.243e+04
20	73	3.773e+04	134.06	7.78e-03	0.0	0.0	-1.044e+04	-315.55	107.98	39.18	-3.442e+04	3.773e+04
		-6.325e+04	-3.442e+04	6.21e-03	0.0	320.0	-9355.12	-315.55	107.98	39.18	134.06	-6.325e+04
20	74	3.800e+04	-5.37	7.16e-03	0.0	0.0	-9953.97	-313.84	102.31	38.02	-3.274e+04	3.800e+04
		-6.243e+04	-3.274e+04	5.93e-03	0.0	320.0	-8873.97	-313.84	102.31	38.02	-5.37	-6.243e+04

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-1.735e+06	-9.904e+05	-1.82	0.0	-2.520e+04	-1.007e+04	-3502.57	-1.724e+04

		1.735e+06	9.903e+05	1.82	0.0		3813.72	1.007e+04	3777.39	1.723e+04		
Trave	**Cmb**	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**Pos.**	**N**	**V 2**	**V 3**	**T**	**M 2**	**M 3**
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
4	1	1.218e+06	68.80	-0.49	-1.872e+04	0.0	-599.20	7999.67	0.12	1013.90	-49.16	-4.215e+05
		-1.727e+06	-49.16	-4.48e-05	0.0	960.0	-599.20	-1.072e+04	0.12	1013.90	68.80	-1.727e+06
4	2	1.610e+06	82.81	-0.66	-2.477e+04	0.0	-917.00	1.064e+04	0.13	2114.37	-46.43	-5.834e+05
		-2.258e+06	-46.43	-6.85e-05	0.0	960.0	-917.00	-1.413e+04	0.13	2114.37	82.81	-2.258e+06
4	3	9.373e+05	52.92	-0.37	-1.440e+04	0.0	-460.92	6153.59	0.09	779.92	-37.81	-3.242e+05
		-1.329e+06	-37.81	-3.45e-05	0.0	960.0	-460.92	-8246.41	0.09	779.92	52.92	-1.329e+06
4	9	1.045e+06	3235.96	-0.40	-1.440e+04	0.0	-519.29	5127.02	6.22	-3.441e+04	-2844.84	1.708e+05
		-1.819e+06	-2844.84	-0.02	0.0	960.0	-519.29	-9272.98	6.22	-3.441e+04	3235.96	-1.819e+06
4	26	9.535e+05	1.029e+04	-0.49	-1.440e+04	0.0	-6168.76	6095.39	-24.67	1.300e+05	1.029e+04	-2.836e+05
		-1.344e+06	-1.339e+04	0.30	0.0	960.0	-6168.76	-8304.61	-24.67	1.300e+05	-1.339e+04	-1.344e+06
4	27	9.211e+05	1.350e+04	0.36	-1.440e+04	0.0	5246.92	6211.79	24.86	-1.284e+05	-1.037e+04	-3.648e+05
		-1.314e+06	-1.037e+04	-0.30	0.0	960.0	5246.92	-8188.21	24.86	-1.284e+05	1.350e+04	-1.314e+06
4	41	9.643e+05	1201.43	-0.38	-1.440e+04	0.0	-482.29	5782.92	2.31	-1.192e+04	-1050.59	-1.455e+05
		-1.506e+06	-1050.59	-8.26e-03	0.0	960.0	-482.29	-8617.08	2.31	-1.192e+04	1201.43	-1.506e+06
4	58	9.431e+05	3688.30	-0.42	-1.440e+04	0.0	-2519.54	6132.44	-8.84	4.738e+04	3688.30	-3.095e+05
		-1.334e+06	-4796.35	0.11	0.0	960.0	-2519.54	-8267.56	-8.84	4.738e+04	-4796.35	-1.334e+06
4	59	9.314e+05	4902.20	-0.33	-1.440e+04	0.0	1597.70	6174.74	9.03	-4.582e+04	-3763.92	-3.389e+05
		-1.323e+06	-3763.92	-0.11	0.0	960.0	1597.70	-8225.26	9.03	-4.582e+04	4902.20	-1.323e+06
4	69	9.373e+05	52.92	-0.37	-1.440e+04	0.0	-460.92	6153.59	0.09	779.92	-37.81	-3.242e+05
		-1.329e+06	-37.81	-3.45e-05	0.0	960.0	-460.92	-8246.41	0.09	779.92	52.92	-1.329e+06
4	70	9.373e+05	52.92	-0.37	-1.440e+04	0.0	-460.92	6153.59	0.09	779.92	-37.81	-3.242e+05
		-1.329e+06	-37.81	-3.45e-05	0.0	960.0	-460.92	-8246.41	0.09	779.92	52.92	-1.329e+06
4	71	1.198e+06	62.26	-0.49	-1.843e+04	0.0	-672.79	7913.30	0.10	1513.57	-35.99	-4.322e+05
		-1.683e+06	-35.99	-5.02e-05	0.0	960.0	-672.79	-1.052e+04	0.10	1513.57	62.26	-1.683e+06
4	72	9.373e+05	52.92	-0.37	-1.440e+04	0.0	-460.92	6153.59	0.09	779.92	-37.81	-3.242e+05
		-1.329e+06	-37.81	-3.45e-05	0.0	960.0	-460.92	-8246.41	0.09	779.92	52.92	-1.329e+06
4	73	9.894e+05	54.79	-0.40	-1.521e+04	0.0	-503.30	6505.53	0.10	926.65	-37.45	-3.458e+05
		-1.400e+06	-37.45	-3.75e-05	0.0	960.0	-503.30	-8700.87	0.10	926.65	54.79	-1.400e+06
4	74	9.373e+05	52.92	-0.37	-1.440e+04	0.0	-460.92	6153.59	0.09	779.92	-37.81	-3.242e+05
		-1.329e+06	-37.81	-3.45e-05	0.0	960.0	-460.92	-8246.41	0.09	779.92	52.92	-1.329e+06
5	1	1.145e+05	-19.99	0.04	-1.131e+04	0.0	372.38	7322.36	0.01	-2560.90	-27.74	-1.259e+06
		-1.259e+06	-27.74	9.01e-05	0.0	580.0	372.38	-3987.64	0.01	-2560.90	-19.99	-2.916e+05
5	2	1.555e+05	-23.67	0.06	-1.496e+04	0.0	324.69	9665.34	0.03	-3301.04	-40.39	-1.653e+06
		-1.653e+06	-40.39	1.17e-04	0.0	580.0	324.69	-5298.66	0.03	-3301.04	-23.67	-3.867e+05
5	3	8.804e+04	-15.38	0.03	-8700.00	0.0	286.45	5632.58	0.01	-1969.92	-21.34	-9.682e+05
		-9.682e+05	-21.34	6.93e-05	0.0	580.0	286.45	-3067.42	0.01	-1969.92	-15.38	-2.243e+05
5	4	1.291e+05	-19.06	0.05	-1.235e+04	0.0	238.75	7975.56	0.03	-2710.06	-33.99	-1.363e+06
		-1.363e+06	-33.99	9.57e-05	0.0	580.0	238.75	-4378.44	0.03	-2710.06	-19.06	-3.194e+05
5	7	4.207e+05	4488.88	0.07	-8700.00	0.0	5822.34	7944.59	-4.39	402.13	4488.88	-1.682e+06
		-1.682e+06	12.91	0.02	0.0	580.0	5822.34	-755.41	-4.39	402.13	12.91	4.033e+05
5	12	4.401e+05	-814.23	0.06	-8700.00	0.0	-1273.53	7907.56	1.19	-523.91	-1604.85	-1.624e+06
		-1.624e+06	-1604.85	2.72e-03	0.0	580.0	-1273.53	-792.44	1.19	-523.91	-814.23	4.197e+05
5	22	9.274e+04	-4607.90	0.04	-8700.00	0.0	-1.290e+04	4625.23	-19.89	2.464e+04	-4607.90	-6.169e+05
		-6.169e+05	-9702.30	0.10	0.0	580.0	-1.290e+04	-4074.77	-19.89	2.464e+04	-9702.30	-4.592e+05
5	23	1.511e+05	9671.55	0.05	-8700.00	0.0	1.348e+04	6639.93	19.91	-2.858e+04	4565.22	-1.320e+06
		-1.320e+06	4565.22	-0.10	0.0	580.0	1.348e+04	-2060.07	19.91	-2.858e+04	9671.55	1.052e+04
5	33	-2.189e+04	1.781e+04	0.05	-8700.00	0.0	1.085e+04	4774.14	-45.46	3.439e+04	1.781e+04	-8.179e+05
		-8.179e+05	-8889.51	0.20	0.0	580.0	1.085e+04	-3925.86	-45.46	3.439e+04	-8889.51	-5.066e+05
5	36	2.369e+05	8858.75	0.03	-8700.00	0.0	-1.028e+04	6491.03	45.48	-3.833e+04	-1.785e+04	-1.119e+06
		-1.119e+06	-1.785e+04	-0.20	0.0	580.0	-1.028e+04	-2208.97	45.48	-3.833e+04	8858.75	5.797e+04
5	39	1.681e+05	1605.18	0.05	-8700.00	0.0	2283.79	6466.22	-1.58	-1114.77	1605.18	-1.226e+06
		-1.226e+06	-5.16	7.79e-03	0.0	580.0	2283.79	-2233.78	-1.58	-1114.77	-5.16	1965.52
5	44	1.778e+05	-303.33	0.04	-8700.00	0.0	-275.46	6452.86	0.44	-1448.86	-592.33	-1.205e+06
		-1.205e+06	-592.33	1.02e-03	0.0	580.0	-275.46	-2247.14	0.44	-1448.86	-303.33	7884.57
5	54	8.263e+04	-1675.87	0.03	-8700.00	0.0	-4471.22	5269.36	-7.16	7625.64	-1675.87	-8.415e+05
		-8.415e+05	-3508.38	0.04	0.0	580.0	-4471.22	-3430.64	-7.16	7625.64	-3508.38	-3.090e+05
5	55	1.039e+05	3477.63	0.04	-8700.00	0.0	5044.12	5995.81	7.18	-1.157e+04	1633.19	-1.095e+06
		-1.095e+06	1633.19	-0.04	0.0	580.0	5044.12	-2704.19	7.18	-1.157e+04	3477.63	-1.396e+05
5	65	4.476e+04	6409.01	0.04	-8700.00	0.0	4097.45	5323.05	-16.39	1.114e+04	6409.01	-9.140e+05
		-9.140e+05	-3215.56	0.07	0.0	580.0	4097.45	-3376.95	-16.39	1.114e+04	-3215.56	-3.261e+05
5	68	1.383e+05	3184.81	0.03	-8700.00	0.0	-3524.55	5942.11	16.41	-1.508e+04	-6451.69	-1.022e+06
		-1.022e+06	-6451.69	-0.07	0.0	580.0	-3524.55	-2757.89	16.41	-1.508e+04	3184.81	-1.225e+05
5	69	8.804e+04	-15.38	0.03	-8700.00	0.0	286.45	5632.58	0.01	-1969.92	-21.34	-9.682e+05
		-9.682e+05	-21.34	6.93e-05	0.0	580.0	286.45	-3067.42	0.01	-1969.92	-15.38	-2.243e+05
5	70	8.804e+04	-15.38	0.03	-8700.00	0.0	286.45	5632.58	0.01	-1969.92	-21.34	-9.682e+05
		-9.682e+05	-21.34	6.93e-05	0.0	580.0	286.45	-3067.42	0.01	-1969.92	-15.38	-2.243e+05
5	71	1.154e+05	-17.83	0.04	-1.114e+04	0.0	254.65	7194.57	0.02	-2463.35	-29.78	-1.231e+06
		-1.231e+06	-29.78	8.69e-05	0.0	580.0	254.65	-3941.43	0.02	-2463.35	-17.83	-2.877e+05
5	72	8.804e+04	-15.38	0.03	-8700.00	0.0	286.45	5632.58	0.01	-1969.92	-21.34	-9.682e+05
		-9.682e+05	-21.34	6.93e-05	0.0	580.0	286.45	-3067.42	0.01	-1969.92	-15.38	-2.243e+05
5	73	9.351e+04	-15.87	0.04	-9187.20	0.0	280.09	5944.98	0.01	-2068.61	-23.03	-1.021e+06
		-1.021e+06	-23.03	7.28e-05	0.0	580.0	280.09	-3242.22	0.01	-2068.61	-15.87	-2.370e+05

5	74	8.804e+04	-15.38	0.03	-8700.00	0.0	286.45	5632.58	0.01	-1969.92	-21.34	-9.682e+05
		-9.682e+05	-21.34	6.93e-05	0.0	580.0	286.45	-3067.42	0.01	-1969.92	-15.38	-2.243e+05
6	1	2.133e+05	-2.84	-0.02	-1.004e+04	0.0	288.62	4645.09	0.04	238.29	-21.11	-3.383e+05
		-5.320e+05	-21.11	-4.64e-05	0.0	515.0	288.62	-5397.41	0.04	238.29	-2.84	-5.320e+05
6	2	2.867e+05	-5.54	-0.03	-1.329e+04	0.0	215.97	6164.32	0.04	81.01	-25.49	-4.474e+05
		-6.941e+05	-25.49	-5.83e-05	0.0	515.0	215.97	-7122.68	0.04	81.01	-5.54	-6.941e+05
6	3	1.641e+05	-2.19	-0.02	-7725.00	0.0	222.01	3573.14	0.03	183.30	-16.24	-2.602e+05
		-4.093e+05	-16.24	-3.57e-05	0.0	515.0	222.01	-4151.86	0.03	183.30	-2.19	-4.093e+05
6	4	2.374e+05	-4.88	-0.02	-1.097e+04	0.0	149.37	5092.38	0.03	26.03	-20.61	-3.693e+05
		-5.713e+05	-20.61	-4.76e-05	0.0	515.0	149.37	-5877.12	0.03	26.03	-4.88	-5.713e+05
6	9	2.987e+05	2714.84	-0.12	-7725.00	0.0	2043.78	1285.46	-5.44	1.619e+04	2714.84	2.390e+05
		-1.059e+06	-133.96	7.30e-03	0.0	515.0	2043.78	-6439.54	-5.44	1.619e+04	-133.96	-1.059e+06
6	12	3.631e+05	129.59	0.11	-7725.00	0.0	-1599.76	5860.83	5.50	-1.582e+04	-2747.32	-7.595e+05
		-7.595e+05	-2747.32	-7.37e-03	0.0	515.0	-1599.76	-1864.17	5.50	-1.582e+04	129.59	2.400e+05
6	22	2.454e+05	-5231.11	0.07	-7725.00	0.0	-1.136e+04	2575.98	14.01	-3.917e+04	-5231.11	2.569e+04
		-6.387e+05	-6096.02	0.06	0.0	515.0	-1.136e+04	-5149.02	14.01	-3.917e+04	-6096.02	-6.387e+05
6	23	1.494e+05	6091.64	-0.07	-7725.00	0.0	1.180e+04	4570.31	-13.96	3.954e+04	5198.62	-5.462e+05
		-5.462e+05	5198.62	-0.06	0.0	515.0	1.180e+04	-3154.69	-13.96	3.954e+04	6091.64	-1.799e+05
6	33	1.002e+05	1.813e+04	-0.08	-7725.00	0.0	8696.53	2636.31	-58.36	9.037e+04	1.813e+04	-1.664e+05
		-6.987e+05	-1.209e+04	0.20	0.0	515.0	8696.53	-5088.69	-58.36	9.037e+04	-1.209e+04	-6.987e+05
6	36	2.672e+05	1.209e+04	0.08	-7725.00	0.0	-8252.51	4509.98	58.42	-9.000e+04	-1.816e+04	-3.541e+05
		-3.541e+05	-1.816e+04	-0.20	0.0	515.0	-8252.51	-3215.02	58.42	-9.000e+04	1.209e+04	-1.199e+05
6	41	1.748e+05	968.62	-0.04	-7725.00	0.0	877.78	2748.14	-1.94	5955.00	968.62	-8.018e+04
		-6.434e+05	-49.72	2.61e-03	0.0	515.0	877.78	-4976.86	-1.94	5955.00	-49.72	-6.434e+05
6	44	1.984e+05	45.35	0.04	-7725.00	0.0	-433.75	4398.14	2.00	-5588.41	-1001.11	-4.403e+05
		-4.403e+05	-1001.11	-2.68e-03	0.0	515.0	-433.75	-3326.86	2.00	-5588.41	45.35	-1.751e+05
6	54	1.859e+05	-1898.15	0.02	-7725.00	0.0	-3953.76	3213.54	5.07	-1.402e+04	-1898.15	-1.571e+05
		-4.920e+05	-2199.52	0.02	0.0	515.0	-3953.76	-4511.46	5.07	-1.402e+04	-2199.52	-4.920e+05
6	55	1.523e+05	2195.14	-0.03	-7725.00	0.0	4397.78	3932.74	-5.02	1.438e+04	1865.67	-3.634e+05
		-3.634e+05	1865.67	-0.02	0.0	515.0	4397.78	-3792.26	-5.02	1.438e+04	2195.14	-3.265e+05
6	65	1.375e+05	6528.02	-0.03	-7725.00	0.0	3278.18	3235.30	-21.03	3.270e+04	6528.02	-2.264e+05
		-5.136e+05	-4361.20	0.07	0.0	515.0	3278.18	-4489.70	-21.03	3.270e+04	-4361.20	-5.136e+05
6	68	1.978e+05	4356.83	0.03	-7725.00	0.0	-2834.16	3910.98	21.08	-3.234e+04	-6560.51	-2.941e+05
		-3.049e+05	-6560.51	-0.07	0.0	515.0	-2834.16	-3814.02	21.08	-3.234e+04	4356.83	-3.049e+05
6	69	1.641e+05	-2.19	-0.02	-7725.00	0.0	222.01	3573.14	0.03	183.30	-16.24	-2.602e+05
		-4.093e+05	-16.24	-3.57e-05	0.0	515.0	222.01	-4151.86	0.03	183.30	-2.19	-4.093e+05
6	70	1.641e+05	-2.19	-0.02	-7725.00	0.0	222.01	3573.14	0.03	183.30	-16.24	-2.602e+05
		-4.093e+05	-16.24	-3.57e-05	0.0	515.0	222.01	-4151.86	0.03	183.30	-2.19	-4.093e+05
6	71	2.130e+05	-3.98	-0.02	-9888.00	0.0	173.58	4585.96	0.03	78.45	-19.16	-3.329e+05
		-5.173e+05	-19.16	-4.36e-05	0.0	515.0	173.58	-5302.04	0.03	78.45	-3.98	-5.173e+05
6	72	1.641e+05	-2.19	-0.02	-7725.00	0.0	222.01	3573.14	0.03	183.30	-16.24	-2.602e+05
		-4.093e+05	-16.24	-3.57e-05	0.0	515.0	222.01	-4151.86	0.03	183.30	-2.19	-4.093e+05
6	73	1.739e+05	-2.55	-0.02	-8157.60	0.0	212.33	3775.71	0.03	162.33	-16.82	-2.748e+05
		-4.309e+05	-16.82	-3.73e-05	0.0	515.0	212.33	-4381.89	0.03	162.33	-2.55	-4.309e+05
6	74	1.641e+05	-2.19	-0.02	-7725.00	0.0	222.01	3573.14	0.03	183.30	-16.24	-2.602e+05
		-4.093e+05	-16.24	-3.57e-05	0.0	515.0	222.01	-4151.86	0.03	183.30	-2.19	-4.093e+05
7	1	3.526e+05	45.76	-0.06	-1.004e+04	0.0	30.04	6138.79	-0.12	234.68	45.76	-6.132e+05
		-6.132e+05	-14.29	-1.11e-05	0.0	515.0	30.04	-3903.71	-0.12	234.68	-14.29	-3.768e+04
7	2	4.643e+05	51.40	-0.07	-1.329e+04	0.0	-51.64	8022.21	-0.10	-970.68	51.40	-7.814e+05
		-7.814e+05	-1.02	-1.63e-05	0.0	515.0	-51.64	-5264.79	-0.10	-970.68	-1.02	-7.137e+04
7	4	3.829e+05	40.84	-0.05	-1.097e+04	0.0	-58.57	6605.56	-0.07	-1024.84	40.84	-6.399e+05
		-6.399e+05	2.28	-1.38e-05	0.0	515.0	-58.57	-4363.94	-0.07	-1024.84	2.28	-6.268e+04
7	7	4.672e+05	4623.30	0.13	-7725.00	0.0	1031.81	6335.52	-17.69	5.293e+04	4623.30	-8.707e+05
		-8.707e+05	-4494.48	0.03	0.0	515.0	1031.81	-1389.48	-17.69	5.293e+04	-4494.48	4.030e+05
7	25	2.911e+05	9439.19	-0.28	-7725.00	0.0	4905.31	5269.70	-35.20	1.697e+05	9439.19	-6.345e+05
		-6.345e+05	-8690.46	-0.03	0.0	515.0	4905.31	-2455.30	-35.20	1.697e+05	-8690.46	9.024e+04
7	28	2.710e+05	8668.47	0.23	-7725.00	0.0	-4859.10	4174.59	35.02	-1.694e+05	-9368.80	-3.089e+05
		-3.089e+05	-9368.80	0.03	0.0	515.0	-4859.10	-3550.41	35.02	-1.694e+05	8668.47	-1.482e+05
7	33	2.525e+05	1.992e+04	-0.21	-7725.00	0.0	3514.31	4669.77	-76.67	1.760e+05	1.992e+04	-4.737e+05
		-4.737e+05	-1.956e+04	0.22	0.0	515.0	3514.31	-3055.23	-76.67	1.760e+05	-1.956e+04	-5.774e+04
7	36	2.900e+05	1.954e+04	0.17	-7725.00	0.0	-3468.10	4774.52	76.49	-1.756e+05	-1.985e+04	-4.697e+05
		-4.697e+05	-1.985e+04	-0.22	0.0	515.0	-3468.10	-2950.48	76.49	-1.756e+05	1.954e+04	-225.30
7	39	3.222e+05	1690.29	0.03	-7725.00	0.0	386.40	5304.34	-6.44	1.921e+04	1690.29	-6.157e+05
		-6.157e+05	-1628.40	0.01	0.0	515.0	386.40	-2420.66	-6.44	1.921e+04	-1628.40	1.269e+05
7	57	2.761e+05	3428.48	-0.12	-7725.00	0.0	1783.95	4919.46	-12.76	6.135e+04	3428.48	-5.303e+05
		-5.303e+05	-3143.14	-0.01	0.0	515.0	1783.95	-2805.54	-12.76	6.135e+04	-3143.14	1.398e+04
7	60	2.683e+05	3121.16	0.07	-7725.00	0.0	-1737.73	4524.83	12.58	-6.099e+04	-3358.08	-4.131e+05
		-4.131e+05	-3358.08	0.01	0.0	515.0	-1737.73	-3200.17	12.58	-6.099e+04	3121.16	-7.195e+04
7	65	2.645e+05	7207.47	-0.09	-7725.00	0.0	1282.60	4703.19	-27.71	6.360e+04	7207.47	-4.724e+05
		-4.724e+05	-7062.33	0.08	0.0	515.0	1282.60	-3021.81	-27.71	6.360e+04	-7062.33	-3.937e+04
7	68	2.780e+05	7040.34	0.05	-7725.00	0.0	-1236.38	4741.11	27.53	-6.324e+04	-7137.07	-4.710e+05
		-4.710e+05	-7137.07	-0.08	0.0	515.0	-1236.38	-2983.89	27.53	-6.324e+04	7040.34	-1.859e+04
7	69	2.712e+05	35.20	-0.05	-7725.00	0.0	23.11	4722.15	-0.09	180.53	35.20	-4.717e+05
		-4.717e+05	-10.99	-8.50e-06	0.0	515.0	23.11	-3002.85	-0.09	180.53	-10.99	-2.898e+04
7	70	2.712e+05	35.20	-0.05	-7725.00	0.0	23.11	4722.15	-0.09	180.53	35.20	-4.717e+05
		-4.717e+05	-10.99	-8.50e-06	0.0	515.0	23.11	-3002.85	-0.09	180.53	-10.99	-2.898e+04

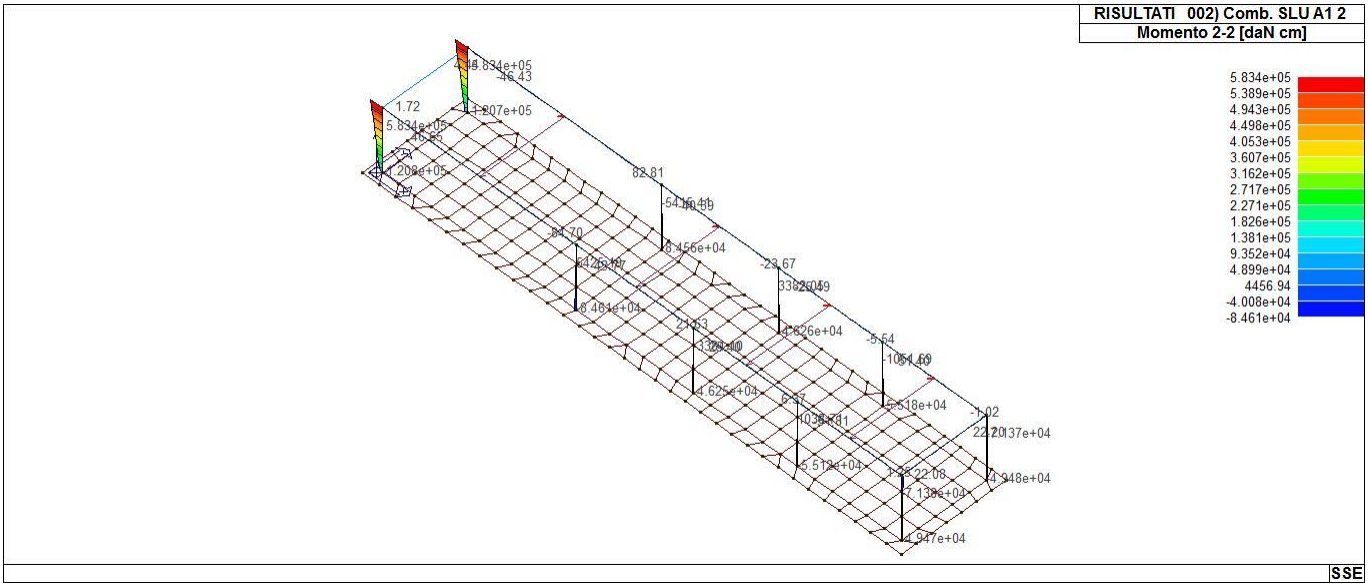
7	71	3.457e+05	38.96	-0.05	-9888.00	0.0	-31.35	5977.76	-0.08	-623.05	38.96	-5.838e+05
		-5.838e+05	-2.14	-1.20e-05	0.0	515.0	-31.35	-3910.24	-0.08	-623.05	-2.14	-5.145e+04
7	72	2.712e+05	35.20	-0.05	-7725.00	0.0	23.11	4722.15	-0.09	180.53	35.20	-4.717e+05
		-4.717e+05	-10.99	-8.50e-06	0.0	515.0	23.11	-3002.85	-0.09	180.53	-10.99	-2.898e+04
7	73	2.861e+05	35.95	-0.05	-8157.60	0.0	12.22	4973.27	-0.09	19.81	35.95	-4.941e+05
		-4.941e+05	-9.22	-9.16e-06	0.0	515.0	12.22	-3184.33	-0.09	19.81	-9.22	-3.348e+04
7	74	2.712e+05	35.20	-0.05	-7725.00	0.0	23.11	4722.15	-0.09	180.53	35.20	-4.717e+05
		-4.717e+05	-10.99	-8.50e-06	0.0	515.0	23.11	-3002.85	-0.09	180.53	-10.99	-2.898e+04
8	1	1.086e+05	8.05	-0.01	-2457.00	0.0	70.42	1228.52	4.72e-04	-0.71	7.85	-2.041e+04
		-2.041e+04	7.85	3.04e-06	0.0	420.0	70.42	-1228.48	4.72e-04	-0.71	8.05	-2.040e+04
8	2	1.140e+05	22.20	-0.01	-2457.00	0.0	113.44	1228.52	2.74e-04	-0.71	22.08	-1.499e+04
		-1.499e+04	22.08	-9.67e-06	0.0	420.0	113.44	-1228.48	2.74e-04	-0.71	22.20	-1.498e+04
8	3	8.353e+04	6.19	-9.14e-03	-1890.00	0.0	54.17	945.01	3.63e-04	-0.54	6.04	-1.570e+04
		-1.570e+04	6.04	2.34e-06	0.0	420.0	54.17	-944.99	3.63e-04	-0.54	6.19	-1.570e+04
8	6	3.187e+05	1575.66	0.49	-1890.00	0.0	94.21	2553.84	7.56	-1.619e+04	-1599.66	-3.562e+05
		-3.562e+05	-1599.66	0.03	0.0	420.0	94.21	663.84	7.56	-1.619e+04	1575.66	3.187e+05
8	7	3.248e+05	1611.73	-0.49	-1890.00	0.0	14.13	-663.81	-7.56	1.619e+04	1611.73	3.248e+05
		-3.501e+05	-1563.28	-0.03	0.0	420.0	14.13	-2553.81	-7.56	1.619e+04	-1563.28	-3.501e+05
8	24	1.410e+06	5327.38	1.54	-1890.00	0.0	42.17	7727.16	-25.31	-6.208e+04	5327.38	-1.439e+06
		-1.439e+06	-5304.23	0.05	0.0	420.0	42.17	5837.16	-25.31	-6.208e+04	-5304.23	1.410e+06
8	26	1.408e+06	5316.61	1.54	-1890.00	0.0	66.19	7727.17	-25.31	-6.208e+04	5316.61	-1.441e+06
		-1.441e+06	-5315.19	0.05	0.0	420.0	66.19	5837.17	-25.31	-6.208e+04	-5315.19	1.408e+06
8	30	9.046e+05	1.338e+04	1.24	-1890.00	0.0	66.19	5332.10	63.72	-4.924e+04	-1.338e+04	-9.378e+05
		-9.378e+05	-1.338e+04	-0.17	0.0	420.0	66.19	3442.10	63.72	-4.924e+04	1.338e+04	9.046e+05
8	36	9.064e+05	1.339e+04	1.24	-1890.00	0.0	42.16	5332.09	63.72	-4.924e+04	-1.337e+04	-9.360e+05
		-9.360e+05	-1.337e+04	-0.17	0.0	420.0	42.16	3442.09	63.72	-4.924e+04	1.339e+04	9.064e+05
8	38	1.198e+05	572.08	0.18	-1890.00	0.0	68.83	1525.48	2.73	-5840.79	-572.91	-1.386e+05
		-1.386e+05	-572.91	0.01	0.0	420.0	68.83	-364.52	2.73	-5840.79	572.08	1.050e+05
8	39	1.220e+05	584.99	-0.18	-1890.00	0.0	39.51	364.55	-2.72	5839.70	584.99	1.072e+05
		-1.364e+05	-559.70	-0.01	0.0	420.0	39.51	-1525.45	-2.72	5839.70	-559.70	-1.364e+05
8	56	4.985e+05	1924.94	0.55	-1890.00	0.0	49.78	3391.70	-9.13	-2.239e+04	1924.94	-5.292e+05
		-5.292e+05	-1908.77	0.02	0.0	420.0	49.78	1501.70	-9.13	-2.239e+04	-1908.77	4.985e+05
8	58	4.978e+05	1921.05	0.55	-1890.00	0.0	58.57	3391.70	-9.13	-2.239e+04	1921.05	-5.299e+05
		-5.299e+05	-1912.72	0.02	0.0	420.0	58.57	1501.70	-9.13	-2.239e+04	-1912.72	4.978e+05
8	62	3.165e+05	4829.57	0.45	-1890.00	0.0	58.57	2528.69	22.98	-1.776e+04	-4821.24	-3.486e+05
		-3.486e+05	-4821.24	-0.06	0.0	420.0	58.57	638.69	22.98	-1.776e+04	4829.57	3.165e+05
8	68	3.172e+05	4833.52	0.45	-1890.00	0.0	49.78	2528.69	22.98	-1.776e+04	-4817.36	-3.479e+05
		-3.479e+05	-4817.36	-0.06	0.0	420.0	49.78	638.69	22.98	-1.776e+04	4833.52	3.172e+05
8	69	8.353e+04	6.19	-9.14e-03	-1890.00	0.0	54.17	945.01	3.63e-04	-0.54	6.04	-1.570e+04
		-1.570e+04	6.04	2.34e-06	0.0	420.0	54.17	-944.99	3.63e-04	-0.54	6.19	-1.570e+04
8	70	8.353e+04	6.19	-9.14e-03	-1890.00	0.0	54.17	945.01	3.63e-04	-0.54	6.04	-1.570e+04
		-1.570e+04	6.04	2.34e-06	0.0	420.0	54.17	-944.99	3.63e-04	-0.54	6.19	-1.570e+04
8	71	8.714e+04	15.62	-9.61e-03	-1890.00	0.0	82.85	945.02	2.31e-04	-0.55	15.53	-1.209e+04
		-1.209e+04	15.53	-6.72e-06	0.0	420.0	82.85	-944.98	2.31e-04	-0.55	15.62	-1.208e+04
8	72	8.353e+04	6.19	-9.14e-03	-1890.00	0.0	54.17	945.01	3.63e-04	-0.54	6.04	-1.570e+04
		-1.570e+04	6.04	2.34e-06	0.0	420.0	54.17	-944.99	3.63e-04	-0.54	6.19	-1.570e+04
8	73	8.425e+04	8.08	-9.23e-03	-1890.00	0.0	59.90	945.02	3.36e-04	-0.54	7.94	-1.498e+04
		-1.498e+04	7.94	-3.03e-06	0.0	420.0	59.90	-944.98	3.36e-04	-0.54	8.08	-1.497e+04
8	74	8.353e+04	6.19	-9.14e-03	-1890.00	0.0	54.17	945.01	3.63e-04	-0.54	6.04	-1.570e+04
		-1.570e+04	6.04	2.34e-06	0.0	420.0	54.17	-944.99	3.63e-04	-0.54	6.19	-1.570e+04
9	1	3.526e+05	14.48	-0.06	-1.004e+04	0.0	29.97	6138.77	0.12	-239.63	-46.00	-6.132e+05
		-6.132e+05	-46.00	1.38e-05	0.0	515.0	29.97	-3903.73	0.12	-239.63	14.48	-3.768e+04
9	2	4.643e+05	1.25	-0.07	-1.329e+04	0.0	-51.72	8022.18	0.10	964.49	-51.81	-7.814e+05
		-7.814e+05	-51.81	2.00e-05	0.0	515.0	-51.72	-5264.82	0.10	964.49	1.25	-7.137e+04
9	4	3.829e+05	-2.09	-0.05	-1.097e+04	0.0	-58.63	6605.54	0.08	1019.79	-41.20	-6.399e+05
		-6.399e+05	-41.20	1.69e-05	0.0	515.0	-58.63	-4363.96	0.08	1019.79	-2.09	-6.268e+04
9	16	4.672e+05	4494.83	0.13	-7725.00	0.0	1031.74	6335.54	17.69	-5.294e+04	-4623.77	-8.707e+05
		-8.707e+05	-4623.77	-0.03	0.0	515.0	1031.74	-1389.46	17.69	-5.294e+04	4494.83	4.030e+05
9	22	2.911e+05	8690.60	-0.28	-7725.00	0.0	4905.27	5269.71	35.20	-1.697e+05	-9439.59	-6.344e+05
		-6.344e+05	-9439.59	0.03	0.0	515.0	4905.27	-2455.29	35.20	-1.697e+05	8690.60	9.025e+04
9	23	2.710e+05	9368.82	0.23	-7725.00	0.0	-4859.16	4174.55	-35.02	1.694e+05	9368.82	-3.089e+05
		-3.089e+05	-8668.33	-0.03	0.0	515.0	-4859.16	-3550.45	-35.02	1.694e+05	-8668.33	-1.482e+05
9	30	2.525e+05	1.956e+04	-0.21	-7725.00	0.0	3514.30	4669.79	76.67	-1.760e+05	-1.992e+04	-4.738e+05
		-4.738e+05	-1.992e+04	-0.22	0.0	515.0	3514.30	-3055.21	76.67	-1.760e+05	1.956e+04	-5.773e+04
9	31	2.900e+05	1.985e+04	0.17	-7725.00	0.0	-3468.20	4774.48	-76.49	1.756e+05	1.985e+04	-4.696e+05
		-4.696e+05	-1.954e+04	0.22	0.0	515.0	-3468.20	-2950.52	-76.49	1.756e+05	-1.954e+04	-236.79
9	48	3.222e+05	1628.62	0.03	-7725.00	0.0	386.34	5304.34	6.44	-1.921e+04	-1690.59	-6.157e+05
		-6.157e+05	-1690.59	-0.01	0.0	515.0	386.34	-2420.66	6.44	-1.921e+04	1628.62	1.269e+05
9	54	2.761e+05	3143.29	-0.12	-7725.00	0.0	1783.90	4919.46	12.76	-6.135e+04	-3428.74	-5.303e+05
		-5.303e+05	-3428.74	0.01	0.0	515.0	1783.90	-2805.54	12.76	-6.135e+04	3143.29	1.398e+04
9	55	2.683e+05	3357.97	0.07	-7725.00	0.0	-1737.79	4524.81	-12.58	6.098e+04	3357.97	-4.130e+05
		-4.130e+05	-3121.01	-0.01	0.0	515.0	-1737.79	-3200.19	-12.58	6.098e+04	-3121.01	-7.195e+04
9	62	2.645e+05	7062.47	-0.09	-7725.00	0.0	1282.56	4703.18	27.71	-6.361e+04	-7207.73	-4.724e+05
		-4.724e+05	-7207.73	-0.08	0.0	515.0	1282.56	-3021.82	27.71	-6.361e+04	7062.47	-3.937e+04
9	63	2.780e+05	7136.96	0.05	-7725.00	0.0	-1236.45	4741.08	-27.53	6.324e+04	7136.96	-4.710e+05
		-4.710e+05	-7040.20	0.08	0.0	515.0	-1236.45	-2983.92	-27.53	6.324e+04	-7040.20	-1.860e+04

9	69	2.712e+05	11.14	-0.05	-7725.00	0.0	23.05	4722.13	0.09	-184.33	-35.39	-4.717e+05
		-4.717e+05	-35.39	1.06e-05	0.0	515.0	23.05	-3002.87	0.09	-184.33	11.14	-2.898e+04
9	70	2.712e+05	11.14	-0.05	-7725.00	0.0	23.05	4722.13	0.09	-184.33	-35.39	-4.717e+05
		-4.717e+05	-35.39	1.06e-05	0.0	515.0	23.05	-3002.87	0.09	-184.33	11.14	-2.898e+04
9	71	3.457e+05	2.32	-0.05	-9888.00	0.0	-31.40	5977.74	0.08	618.41	-39.26	-5.838e+05
		-5.838e+05	-39.26	1.47e-05	0.0	515.0	-31.40	-3910.26	0.08	618.41	2.32	-5.145e+04
9	72	2.712e+05	11.14	-0.05	-7725.00	0.0	23.05	4722.13	0.09	-184.33	-35.39	-4.717e+05
		-4.717e+05	-35.39	1.06e-05	0.0	515.0	23.05	-3002.87	0.09	-184.33	11.14	-2.898e+04
9	73	2.861e+05	9.37	-0.05	-8157.60	0.0	12.16	4973.25	0.09	-23.78	-36.16	-4.941e+05
		-4.941e+05	-36.16	1.14e-05	0.0	515.0	12.16	-3184.35	0.09	-23.78	9.37	-3.348e+04
9	74	2.712e+05	11.14	-0.05	-7725.00	0.0	23.05	4722.13	0.09	-184.33	-35.39	-4.717e+05
		-4.717e+05	-35.39	1.06e-05	0.0	515.0	23.05	-3002.87	0.09	-184.33	11.14	-2.898e+04
10	1	2.133e+05	21.06	-0.02	-1.004e+04	0.0	288.60	4645.12	-0.03	-232.65	21.06	-3.383e+05
		-5.320e+05	3.42	5.31e-05	0.0	515.0	288.60	-5397.38	-0.03	-232.65	3.42	-5.320e+05
10	2	2.867e+05	25.40	-0.03	-1.329e+04	0.0	215.93	6164.35	-0.04	-74.22	25.40	-4.474e+05
		-6.941e+05	6.37	6.66e-05	0.0	515.0	215.93	-7122.65	-0.04	-74.22	6.37	-6.941e+05
10	3	1.641e+05	16.20	-0.02	-7725.00	0.0	222.00	3573.17	-0.03	-178.96	16.20	-2.603e+05
		-4.093e+05	2.63	4.08e-05	0.0	515.0	222.00	-4151.83	-0.03	-178.96	2.63	-4.093e+05
10	4	2.374e+05	20.54	-0.02	-1.097e+04	0.0	149.33	5092.40	-0.03	-20.53	20.54	-3.693e+05
		-5.713e+05	5.58	5.44e-05	0.0	515.0	149.33	-5877.10	-0.03	-20.53	5.58	-5.713e+05
10	18	2.987e+05	133.99	-0.12	-7725.00	0.0	2043.80	1285.61	5.44	-1.618e+04	-2714.20	2.389e+05
		-1.059e+06	-2714.20	-7.29e-03	0.0	515.0	2043.80	-6439.39	5.44	-1.618e+04	133.99	-1.059e+06
10	19	3.631e+05	2746.60	0.11	-7725.00	0.0	-1599.81	5860.72	-5.49	1.582e+04	2746.60	-7.595e+05
		-7.595e+05	-128.74	7.37e-03	0.0	515.0	-1599.81	-1864.28	-5.49	1.582e+04	-128.74	2.400e+05
10	25	2.454e+05	6096.65	0.07	-7725.00	0.0	-1.136e+04	2575.91	-14.01	3.918e+04	5230.21	2.570e+04
		-6.387e+05	5230.21	-0.06	0.0	515.0	-1.136e+04	-5149.09	-14.01	3.918e+04	6096.65	-6.387e+05
10	28	1.494e+05	-5197.80	-0.07	-7725.00	0.0	1.180e+04	4570.42	13.96	-3.954e+04	-5197.80	-5.462e+05
		-5.462e+05	-6091.39	0.06	0.0	515.0	1.180e+04	-3154.58	13.96	-3.954e+04	-6091.39	-1.798e+05
10	30	1.002e+05	1.209e+04	-0.08	-7725.00	0.0	8696.75	2636.44	58.36	-9.036e+04	-1.813e+04	-1.664e+05
		-6.986e+05	-1.813e+04	-0.20	0.0	515.0	8696.75	-5088.56	58.36	-9.036e+04	1.209e+04	-6.986e+05
10	31	2.672e+05	1.816e+04	0.08	-7725.00	0.0	-8252.75	4509.89	-58.41	9.000e+04	1.816e+04	-3.541e+05
		-3.541e+05	-1.209e+04	0.20	0.0	515.0	-8252.75	-3215.11	-58.41	9.000e+04	-1.209e+04	-1.199e+05
10	50	1.748e+05	50.01	-0.04	-7725.00	0.0	877.78	2748.21	1.95	-5949.66	-968.42	-8.020e+04
		-6.434e+05	-968.42	-2.60e-03	0.0	515.0	877.78	-4976.79	1.95	-5949.66	50.01	-6.434e+05
10	51	1.984e+05	1000.82	0.04	-7725.00	0.0	-433.78	4398.12	-2.00	5591.73	1000.82	-4.403e+05
		-4.403e+05	-44.76	2.69e-03	0.0	515.0	-433.78	-3326.88	-2.00	5591.73	-44.76	-1.751e+05
10	57	1.859e+05	2200.03	0.02	-7725.00	0.0	-3953.83	3213.54	-5.07	1.402e+04	1897.81	-1.571e+05
		-4.920e+05	1897.81	-0.02	0.0	515.0	-3953.83	-4511.46	-5.07	1.402e+04	2200.03	-4.920e+05
10	60	1.523e+05	-1865.40	-0.03	-7725.00	0.0	4397.82	3932.80	5.02	-1.438e+04	-1865.40	-3.634e+05
		-3.634e+05	-2194.77	0.02	0.0	515.0	4397.82	-3792.20	5.02	-1.438e+04	-2194.77	-3.265e+05
10	62	1.375e+05	4361.50	-0.03	-7725.00	0.0	3278.25	3235.36	21.03	-3.270e+04	-6527.63	-2.264e+05
		-5.136e+05	-6527.63	-0.07	0.0	515.0	3278.25	-4489.64	21.03	-3.270e+04	4361.50	-5.136e+05
10	63	1.978e+05	6560.03	0.03	-7725.00	0.0	-2834.26	3910.97	-21.08	3.234e+04	6560.03	-2.941e+05
		-3.049e+05	-4356.24	0.07	0.0	515.0	-2834.26	-3814.03	-21.08	3.234e+04	-4356.24	-3.049e+05
10	69	1.641e+05	16.20	-0.02	-7725.00	0.0	222.00	3573.17	-0.03	-178.96	16.20	-2.603e+05
		-4.093e+05	2.63	4.08e-05	0.0	515.0	222.00	-4151.83	-0.03	-178.96	2.63	-4.093e+05
10	70	1.641e+05	16.20	-0.02	-7725.00	0.0	222.00	3573.17	-0.03	-178.96	16.20	-2.603e+05
		-4.093e+05	2.63	4.08e-05	0.0	515.0	222.00	-4151.83	-0.03	-178.96	2.63	-4.093e+05
10	71	2.130e+05	19.09	-0.02	-9888.00	0.0	173.55	4585.99	-0.03	-73.34	19.09	-3.329e+05
		-5.173e+05	4.60	4.99e-05	0.0	515.0	173.55	-5302.01	-0.03	-73.34	4.60	-5.173e+05
10	72	1.641e+05	16.20	-0.02	-7725.00	0.0	222.00	3573.17	-0.03	-178.96	16.20	-2.603e+05
		-4.093e+05	2.63	4.08e-05	0.0	515.0	222.00	-4151.83	-0.03	-178.96	2.63	-4.093e+05
10	73	1.739e+05	16.78	-0.02	-8157.60	0.0	212.31	3775.73	-0.03	-157.84	16.78	-2.748e+05
		-4.309e+05	3.02	4.26e-05	0.0	515.0	212.31	-4381.87	-0.03	-157.84	3.02	-4.309e+05
10	74	1.641e+05	16.20	-0.02	-7725.00	0.0	222.00	3573.17	-0.03	-178.96	16.20	-2.603e+05
		-4.093e+05	2.63	4.08e-05	0.0	515.0	222.00	-4151.83	-0.03	-178.96	2.63	-4.093e+05
11	1	1.145e+05	30.41	0.04	-1.131e+04	0.0	372.69	7322.27	-0.02	2567.84	30.41	-1.259e+06
		-1.259e+06	18.37	-8.25e-05	0.0	580.0	372.69	-3987.73	-0.02	2567.84	18.37	-2.916e+05
11	2	1.555e+05	43.77	0.06	-1.496e+04	0.0	325.05	9665.22	-0.04	3309.87	43.77	-1.653e+06
		-1.653e+06	21.63	-1.07e-04	0.0	580.0	325.05	-5298.78	-0.04	3309.87	21.63	-3.867e+05
11	3	8.805e+04	23.39	0.03	-8700.00	0.0	286.68	5632.52	-0.02	1975.26	23.39	-9.682e+05
		-9.682e+05	14.13	-6.35e-05	0.0	580.0	286.68	-3067.48	-0.02	1975.26	14.13	-2.243e+05
11	4	1.291e+05	36.75	0.05	-1.235e+04	0.0	239.05	7975.47	-0.03	2717.29	36.75	-1.363e+06
		-1.363e+06	17.39	-8.81e-05	0.0	580.0	239.05	-4378.53	-0.03	2717.29	17.39	-3.194e+05
11	16	4.208e+05	-14.30	0.07	-8700.00	0.0	5822.63	7944.62	4.38	-400.19	-4487.18	-1.682e+06
		-1.682e+06	-4487.18	-0.02	0.0	580.0	5822.63	-755.38	4.38	-400.19	-14.30	4.033e+05
11	19	4.402e+05	1606.71	0.06	-8700.00	0.0	-1273.33	7907.59	-1.20	527.76	1606.71	-1.624e+06
		-1.624e+06	813.58	-2.73e-03	0.0	580.0	-1273.33	-792.41	-1.20	527.76	813.58	4.197e+05
11	25	9.275e+04	9702.56	0.04	-8700.00	0.0	-1.290e+04	4625.16	19.89	-2.463e+04	4611.06	-6.168e+05
		-6.168e+05	4611.06	-0.10	0.0	580.0	-1.290e+04	-4074.84	19.89	-2.463e+04	9702.56	-4.592e+05
11	28	1.511e+05	-4564.27	0.05	-8700.00	0.0	1.348e+04	6639.87	-19.92	2.858e+04	-4564.27	-1.320e+06
		-1.320e+06	-9674.29	0.10	0.0	580.0	1.348e+04	-2060.13	-19.92	2.858e+04	-9674.29	1.051e+04
11	30	-2.189e+04	8887.37	0.05	-8700.00	0.0	1.085e+04	4774.04	45.46	-3.439e+04	-1.781e+04	-8.178e+05
		-8.178e+05	-1.781e+04	-0.20	0.0	580.0	1.085e+04	-3925.96	45.46	-3.439e+04	8887.37	-5.066e+05
11	31	2.369e+05	1.786e+04	0.03	-8700.00	0.0	-1.028e+04	6490.99	-45.49	3.834e+04	1.786e+04	-1.119e+06
		-1.119e+06	-8859.11	0.20	0.0	580.0	-1.028e+04	-2209.01	-45.49	3.834e+04	-8859.11	5.797e+04

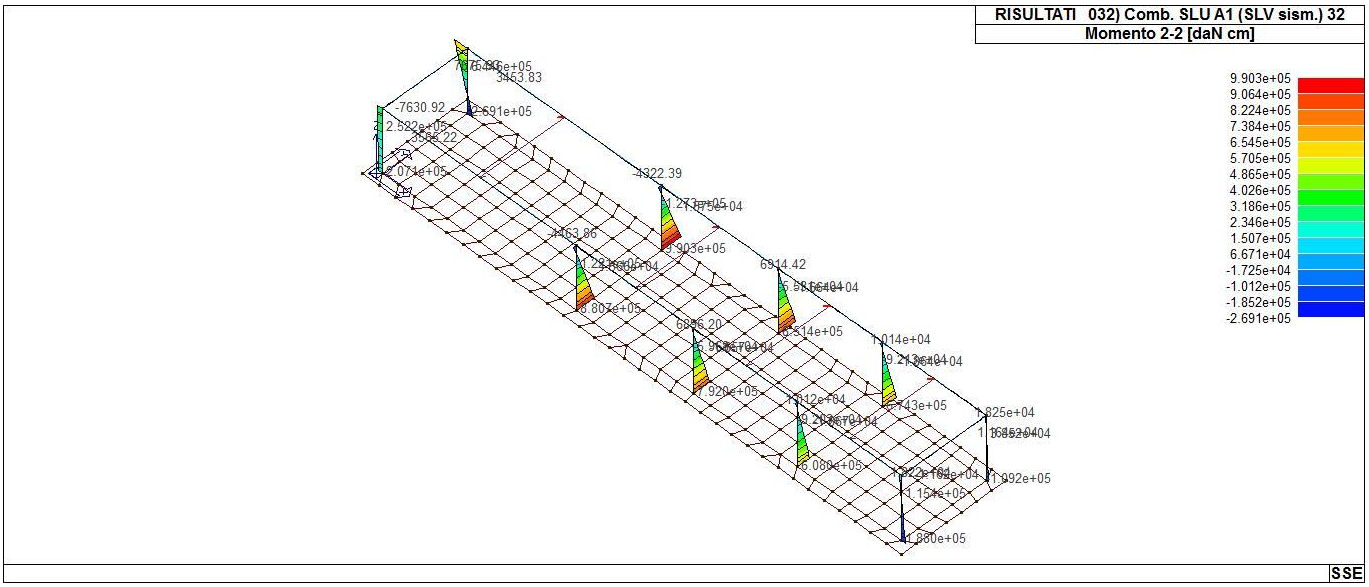
11	48	1.681e+05	3.86	0.05	-8700.00	0.0	2284.04	6466.19	1.57	1118.88	-1603.25	-1.226e+06
		-1.226e+06	-1603.25	-7.78e-03	0.0	580.0	2284.04	-2233.81	1.57	1118.88	3.86	1962.05
11	51	1.778e+05	594.32	0.04	-8700.00	0.0	-275.24	6452.83	-0.44	1453.66	594.32	-1.205e+06
		-1.205e+06	302.30	-1.02e-03	0.0	580.0	-275.24	-2247.17	-0.44	1453.66	302.30	7881.76
11	57	8.263e+04	3507.68	0.03	-8700.00	0.0	-4471.04	5269.29	7.16	-7619.06	1678.32	-8.415e+05
		-8.415e+05	1678.32	-0.04	0.0	580.0	-4471.04	-3430.71	7.16	-7619.06	3507.68	-3.090e+05
11	60	1.039e+05	-1631.53	0.04	-8700.00	0.0	5044.40	5995.74	-7.19	1.157e+04	-1631.53	-1.095e+06
		-1.095e+06	-3479.42	0.04	0.0	580.0	5044.40	-2704.26	-7.19	1.157e+04	-3479.42	-1.397e+05
11	62	4.476e+04	3214.00	0.04	-8700.00	0.0	4097.75	5322.98	16.38	-1.114e+04	-6406.82	-9.140e+05
		-9.140e+05	-6406.82	-0.07	0.0	580.0	4097.75	-3377.02	16.38	-1.114e+04	3214.00	-3.261e+05
11	63	1.383e+05	6453.61	0.03	-8700.00	0.0	-3524.39	5942.06	-16.41	1.509e+04	6453.61	-1.022e+06
		-1.022e+06	-3185.73	0.07	0.0	580.0	-3524.39	-2757.94	-16.41	1.509e+04	-3185.73	-1.225e+05
11	69	8.805e+04	23.39	0.03	-8700.00	0.0	286.68	5632.52	-0.02	1975.26	23.39	-9.682e+05
		-9.682e+05	14.13	-6.35e-05	0.0	580.0	286.68	-3067.48	-0.02	1975.26	14.13	-2.243e+05
11	70	8.805e+04	23.39	0.03	-8700.00	0.0	286.68	5632.52	-0.02	1975.26	23.39	-9.682e+05
		-9.682e+05	14.13	-6.35e-05	0.0	580.0	286.68	-3067.48	-0.02	1975.26	14.13	-2.243e+05
11	71	1.154e+05	32.30	0.04	-1.114e+04	0.0	254.93	7194.48	-0.03	2469.95	32.30	-1.231e+06
		-1.231e+06	16.30	-7.99e-05	0.0	580.0	254.93	-3941.52	-0.03	2469.95	16.30	-2.877e+05
11	72	8.805e+04	23.39	0.03	-8700.00	0.0	286.68	5632.52	-0.02	1975.26	23.39	-9.682e+05
		-9.682e+05	14.13	-6.35e-05	0.0	580.0	286.68	-3067.48	-0.02	1975.26	14.13	-2.243e+05
11	73	9.352e+04	25.18	0.04	-9187.20	0.0	280.33	5944.91	-0.02	2074.20	25.18	-1.021e+06
		-1.021e+06	14.57	-6.67e-05	0.0	580.0	280.33	-3242.29	-0.02	2074.20	14.57	-2.370e+05
11	74	8.805e+04	23.39	0.03	-8700.00	0.0	286.68	5632.52	-0.02	1975.26	23.39	-9.682e+05
		-9.682e+05	14.13	-6.35e-05	0.0	580.0	286.68	-3067.48	-0.02	1975.26	14.13	-2.243e+05
12	1	1.218e+06	49.24	-0.49	-1.872e+04	0.0	-599.09	7999.62	-0.12	-1014.54	49.24	-4.215e+05
		-1.727e+06	-70.27	5.77e-05	0.0	960.0	-599.09	-1.072e+04	-0.12	-1014.54	-70.27	-1.727e+06
12	2	1.610e+06	46.65	-0.66	-2.477e+04	0.0	-916.90	1.064e+04	-0.14	-2115.32	46.65	-5.834e+05
		-2.258e+06	-84.70	8.34e-05	0.0	960.0	-916.90	-1.413e+04	-0.14	-2115.32	-84.70	-2.258e+06
12	3	9.373e+05	37.87	-0.37	-1.440e+04	0.0	-460.84	6153.56	-0.10	-780.42	37.87	-3.242e+05
		-1.329e+06	-54.06	4.44e-05	0.0	960.0	-460.84	-8246.44	-0.10	-780.42	-54.06	-1.329e+06
12	18	1.045e+06	2845.13	-0.40	-1.440e+04	0.0	-519.38	5126.95	-6.22	3.441e+04	2845.13	1.708e+05
		-1.819e+06	-3237.36	0.02	0.0	960.0	-519.38	-9273.05	-6.22	3.441e+04	-3237.36	-1.819e+06
12	21	9.535e+05	1.339e+04	-0.49	-1.440e+04	0.0	-6168.76	6095.32	24.67	-1.300e+05	-1.030e+04	-2.836e+05
		-1.344e+06	-1.030e+04	-0.30	0.0	960.0	-6168.76	-8304.68	24.67	-1.300e+05	1.339e+04	-1.344e+06
12	24	9.211e+05	1.037e+04	0.36	-1.440e+04	0.0	5247.08	6211.79	-24.86	1.284e+05	1.037e+04	-3.648e+05
		-1.314e+06	-1.350e+04	0.30	0.0	960.0	5247.08	-8188.21	-24.86	1.284e+05	-1.350e+04	-1.314e+06
12	50	9.643e+05	1050.74	-0.38	-1.440e+04	0.0	-482.27	5782.87	-2.31	1.192e+04	1050.74	-1.455e+05
		-1.506e+06	-1202.66	8.27e-03	0.0	960.0	-482.27	-8617.13	-2.31	1.192e+04	-1202.66	-1.506e+06
12	53	9.431e+05	4795.56	-0.42	-1.440e+04	0.0	-2519.49	6132.40	8.84	-4.738e+04	-3688.53	-3.095e+05
		-1.334e+06	-3688.53	-0.11	0.0	960.0	-2519.49	-8267.60	8.84	-4.738e+04	4795.56	-1.334e+06
12	56	9.314e+05	3764.28	-0.33	-1.440e+04	0.0	1597.81	6174.72	-9.03	4.582e+04	3764.28	-3.389e+05
		-1.323e+06	-4903.67	0.11	0.0	960.0	1597.81	-8225.28	-9.03	4.582e+04	-4903.67	-1.323e+06
12	69	9.373e+05	37.87	-0.37	-1.440e+04	0.0	-460.84	6153.56	-0.10	-780.42	37.87	-3.242e+05
		-1.329e+06	-54.06	4.44e-05	0.0	960.0	-460.84	-8246.44	-0.10	-780.42	-54.06	-1.329e+06
12	70	9.373e+05	37.87	-0.37	-1.440e+04	0.0	-460.84	6153.56	-0.10	-780.42	37.87	-3.242e+05
		-1.329e+06	-54.06	4.44e-05	0.0	960.0	-460.84	-8246.44	-0.10	-780.42	-54.06	-1.329e+06
12	71	1.198e+06	36.15	-0.49	-1.843e+04	0.0	-672.71	7913.26	-0.10	-1514.27	36.15	-4.321e+05
		-1.683e+06	-63.68	6.14e-05	0.0	960.0	-672.71	-1.052e+04	-0.10	-1514.27	-63.68	-1.683e+06
12	72	9.373e+05	37.87	-0.37	-1.440e+04	0.0	-460.84	6153.56	-0.10	-780.42	37.87	-3.242e+05
		-1.329e+06	-54.06	4.44e-05	0.0	960.0	-460.84	-8246.44	-0.10	-780.42	-54.06	-1.329e+06
12	73	9.894e+05	37.53	-0.40	-1.521e+04	0.0	-503.22	6505.50	-0.10	-927.19	37.53	-3.458e+05
		-1.400e+06	-55.98	4.77e-05	0.0	960.0	-503.22	-8700.90	-0.10	-927.19	-55.98	-1.400e+06
12	74	9.373e+05	37.87	-0.37	-1.440e+04	0.0	-460.84	6153.56	-0.10	-780.42	37.87	-3.242e+05
		-1.329e+06	-54.06	4.44e-05	0.0	960.0	-460.84	-8246.44	-0.10	-780.42	-54.06	-1.329e+06
13	1	1.131e+05	20.40	-0.01	-2457.00	0.0	138.46	1228.47	5.84e-03	-2.80	17.95	-1.589e+04
		-1.590e+04	17.95	-8.27e-06	0.0	420.0	138.46	-1228.53	5.84e-03	-2.80	20.40	-1.590e+04
13	2	1.198e+05	4.44	-0.01	-2457.00	0.0	207.27	1228.46	6.48e-03	-2.79	1.72	-9221.52
		-9237.45	1.72	4.22e-06	0.0	420.0	207.27	-1228.54	6.48e-03	-2.79	4.44	-9237.45
13	3	8.700e+04	15.69	-9.59e-03	-1890.00	0.0	106.51	944.98	4.49e-03	-2.15	13.80	-1.223e+04
		-1.223e+04	13.80	-6.36e-06	0.0	420.0	106.51	-945.02	4.49e-03	-2.15	15.69	-1.223e+04
13	4	9.366e+04	-0.27	-0.01	-1890.00	0.0	175.32	944.97	5.13e-03	-2.14	-2.42	-5553.94
		-5567.14	-2.42	3.43e-06	0.0	420.0	175.32	-945.03	5.13e-03	-2.14	-0.27	-5567.14
13	9	3.810e+05	976.53	-0.52	-1890.00	0.0	212.28	-920.10	4.69	-1.184e+04	-995.88	3.810e+05
		-4.020e+05	-995.88	0.05	0.0	420.0	212.28	-2810.10	4.69	-1.184e+04	976.53	-4.020e+05
13	12	3.775e+05	1023.49	0.52	-1890.00	0.0	0.74	2810.05	-4.68	1.183e+04	1023.49	-4.055e+05
		-4.055e+05	-945.15	-0.05	0.0	420.0	0.74	920.05	-4.68	1.183e+04	-945.15	3.775e+05
13	21	1.079e+06	1.341e+04	-1.32	-1890.00	0.0	138.31	-4248.49	63.83	-3.667e+04	-1.340e+04	1.079e+06
		-1.102e+06	-1.340e+04	-0.12	0.0	420.0	138.31	-6138.49	63.83	-3.667e+04	1.341e+04	-1.102e+06
13	27	1.078e+06	1.343e+04	-1.32	-1890.00	0.0	74.88	-4248.48	63.83	-3.667e+04	-1.338e+04	1.078e+06
		-1.103e+06	-1.338e+04	-0.12	0.0	420.0	74.88	-6138.48	63.83	-3.667e+04	1.343e+04	-1.103e+06
13	33	1.581e+06	9822.11	-1.62	-1890.00	0.0	138.35	-6640.21	-46.74	-3.781e+04	9822.11	1.581e+06
		-1.605e+06	-9808.20	0.11	0.0	420.0	138.35	-8530.21	-46.74	-3.781e+04	-9808.20	-1.605e+06
13	36	1.580e+06	9839.58	1.62	-1890.00	0.0	74.66	8530.16	46.75	3.780e+04	-9794.50	-1.606e+06
		-1.606e+06	-9794.50	-0.11	0.0	420.0	74.66	6640.16	46.75	3.780e+04	9839.58	1.580e+06
13	41	1.377e+05	361.95	-0.19	-1890.00	0.0	144.72	272.06	1.69	-4269.92	-350.07	1.296e+05
		-1.529e+05	-350.07	0.02	0.0	420.0	144.72	-1617.94	1.69	-4269.92	361.95	-1.529e+05

13	44	1.365e+05	377.68	0.19	-1890.00	0.0	68.29	1617.89	-1.69	4265.61	377.68	-1.541e+05
		-1.541e+05	-330.56	-0.02	0.0	420.0	68.29	-272.11	-1.69	4265.61	-330.56	1.284e+05
13	53	3.816e+05	4846.11	-0.47	-1890.00	0.0	118.00	-929.61	23.02	-1.322e+04	-4822.10	3.816e+05
		-4.057e+05	-4822.10	-0.04	0.0	420.0	118.00	-2819.61	23.02	-1.322e+04	4846.11	-4.057e+05
13	59	3.812e+05	4851.49	-0.47	-1890.00	0.0	95.08	-929.61	23.02	-1.323e+04	-4816.95	3.812e+05
		-4.061e+05	-4816.95	-0.04	0.0	420.0	95.08	-2819.61	23.02	-1.323e+04	4851.49	-4.061e+05
13	65	5.626e+05	3551.19	-0.59	-1890.00	0.0	118.01	-1791.44	-16.85	-1.364e+04	3551.19	5.626e+05
		-5.867e+05	-3527.31	0.04	0.0	420.0	118.01	-3681.44	-16.85	-1.364e+04	-3527.31	-5.867e+05
13	68	5.622e+05	3558.70	0.59	-1890.00	0.0	95.00	3681.40	16.86	1.363e+04	-3523.58	-5.871e+05
		-5.871e+05	-3523.58	-0.04	0.0	420.0	95.00	1791.40	16.86	1.363e+04	3558.70	5.622e+05
13	69	8.700e+04	15.69	-9.59e-03	-1890.00	0.0	106.51	944.98	4.49e-03	-2.15	13.80	-1.223e+04
		-1.223e+04	13.80	-6.36e-06	0.0	420.0	106.51	-945.02	4.49e-03	-2.15	15.69	-1.223e+04
13	70	8.700e+04	15.69	-9.59e-03	-1890.00	0.0	106.51	944.98	4.49e-03	-2.15	13.80	-1.223e+04
		-1.223e+04	13.80	-6.36e-06	0.0	420.0	106.51	-945.02	4.49e-03	-2.15	15.69	-1.223e+04
13	71	9.144e+04	5.05	-0.01	-1890.00	0.0	152.38	944.97	4.92e-03	-2.15	2.99	-7777.71
		-7789.55	2.99	3.17e-06	0.0	420.0	152.38	-945.03	4.92e-03	-2.15	5.05	-7789.55
13	72	8.700e+04	15.69	-9.59e-03	-1890.00	0.0	106.51	944.98	4.49e-03	-2.15	13.80	-1.223e+04
		-1.223e+04	13.80	-6.36e-06	0.0	420.0	106.51	-945.02	4.49e-03	-2.15	15.69	-1.223e+04
13	73	8.788e+04	13.56	-9.71e-03	-1890.00	0.0	115.68	944.98	4.58e-03	-2.15	11.64	-1.134e+04
		-1.135e+04	11.64	-5.22e-06	0.0	420.0	115.68	-945.02	4.58e-03	-2.15	13.56	-1.135e+04
13	74	8.700e+04	15.69	-9.59e-03	-1890.00	0.0	106.51	944.98	4.49e-03	-2.15	13.80	-1.223e+04
		-1.223e+04	13.80	-6.36e-06	0.0	420.0	106.51	-945.02	4.49e-03	-2.15	15.69	-1.223e+04

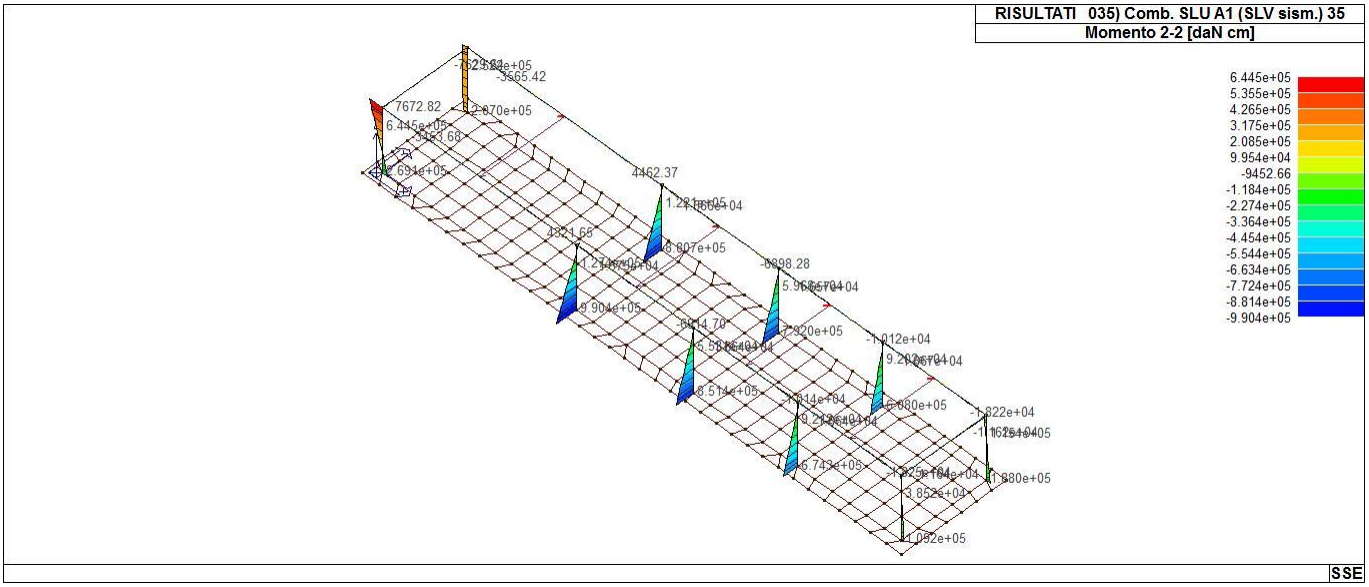
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-2.258e+06	-1.992e+04	-1.62	-2.477e+04	-1.290e+04	-1.413e+04	-76.67	-1.760e+05
	1.610e+06	1.992e+04	1.62	0.0	1.348e+04	1.064e+04	76.67	1.760e+05



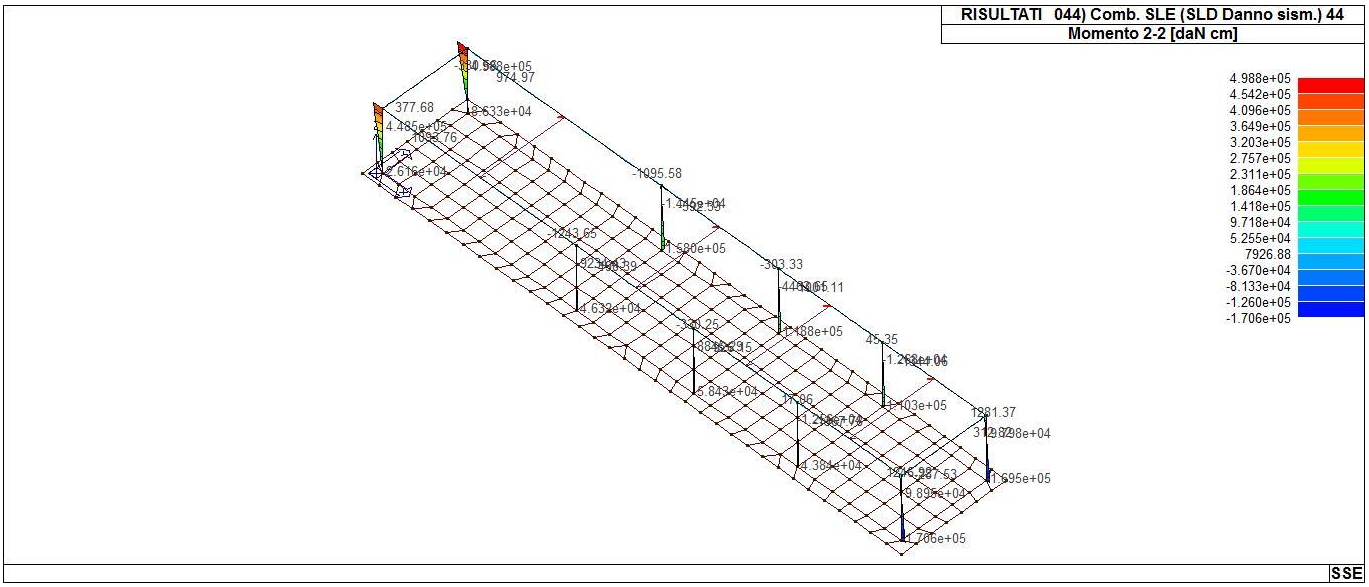
43_RIS_M2_002_Comb. SLU A1 2



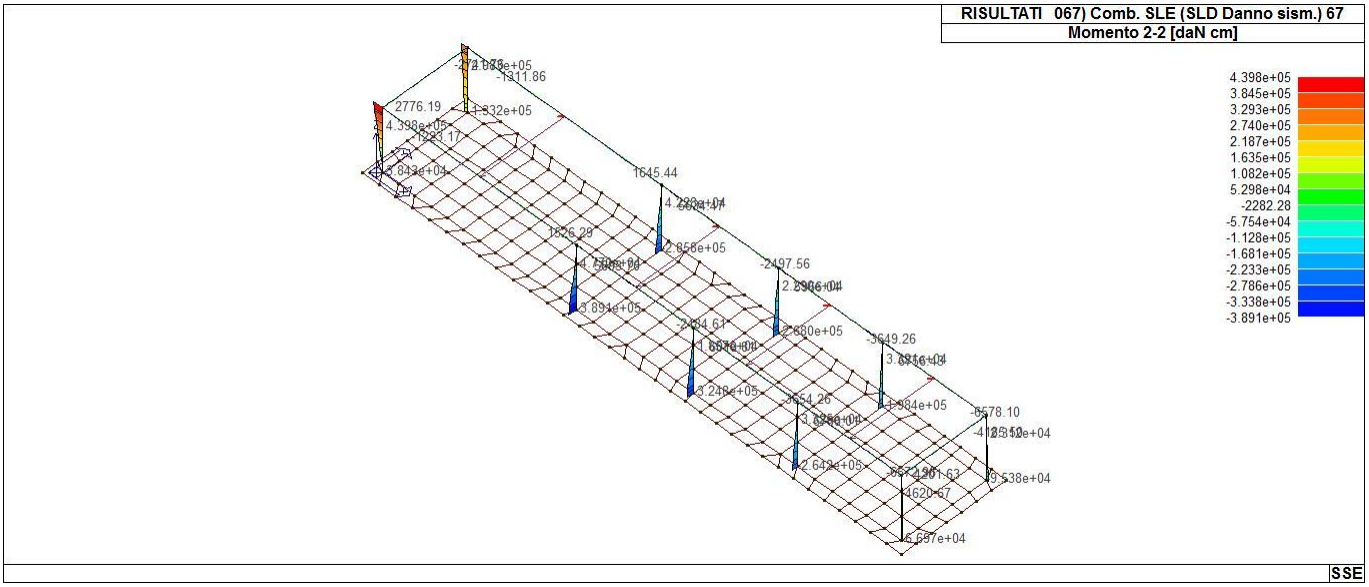
43_RIS_M2_032_Comb. SLU A1 (SLV sism.) 32



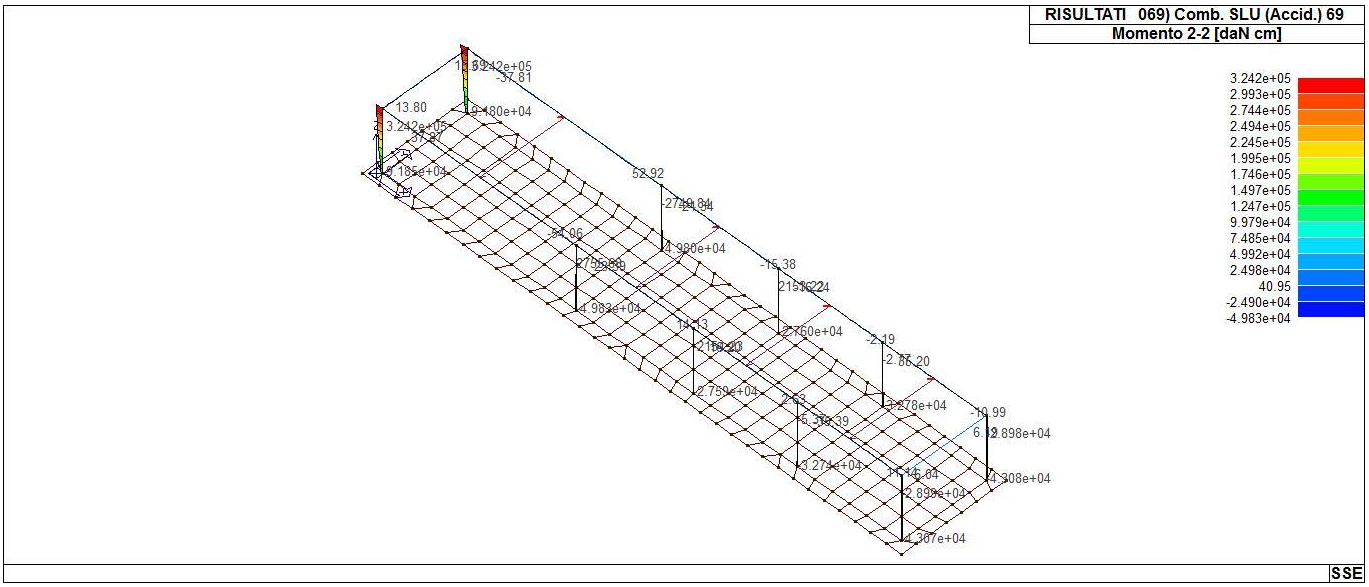
43_RIS_M2_035_Comb. SLU A1 (SLV sism.) 35



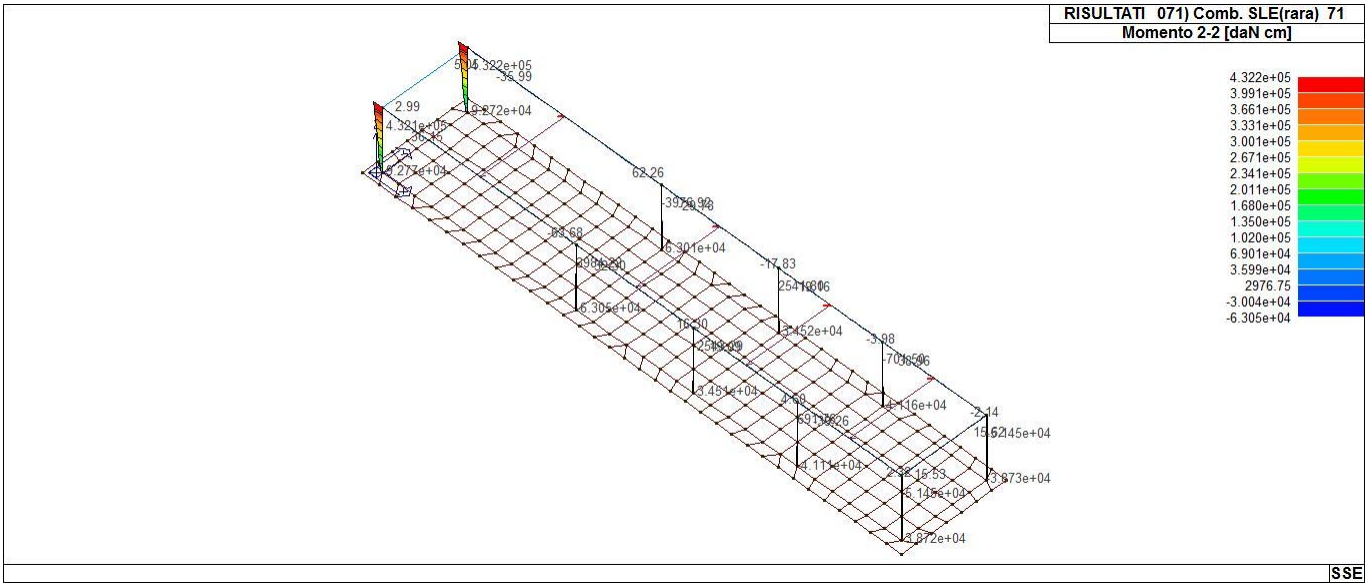
43_RIS_M2_044_Comb. SLE (SLD Danno sism.) 44



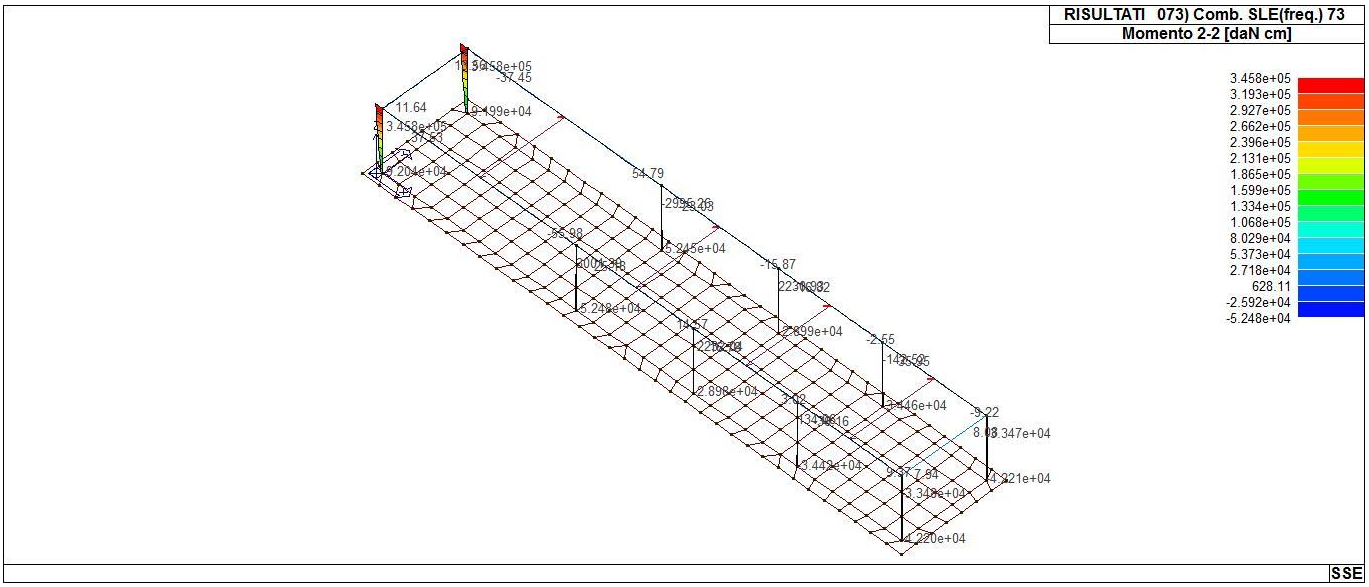
43_RIS_M2_067_Comb. SLE (SLD Danno sism.) 67



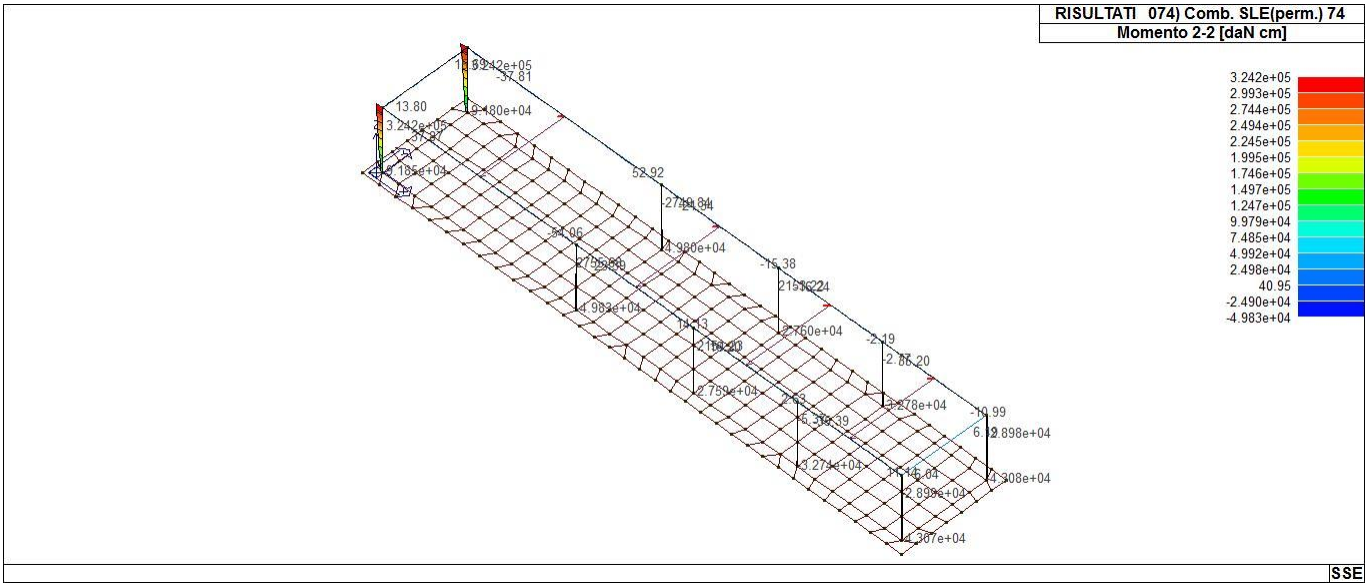
43_RIS_M2_069_Comb. SLU (Accid.) 69



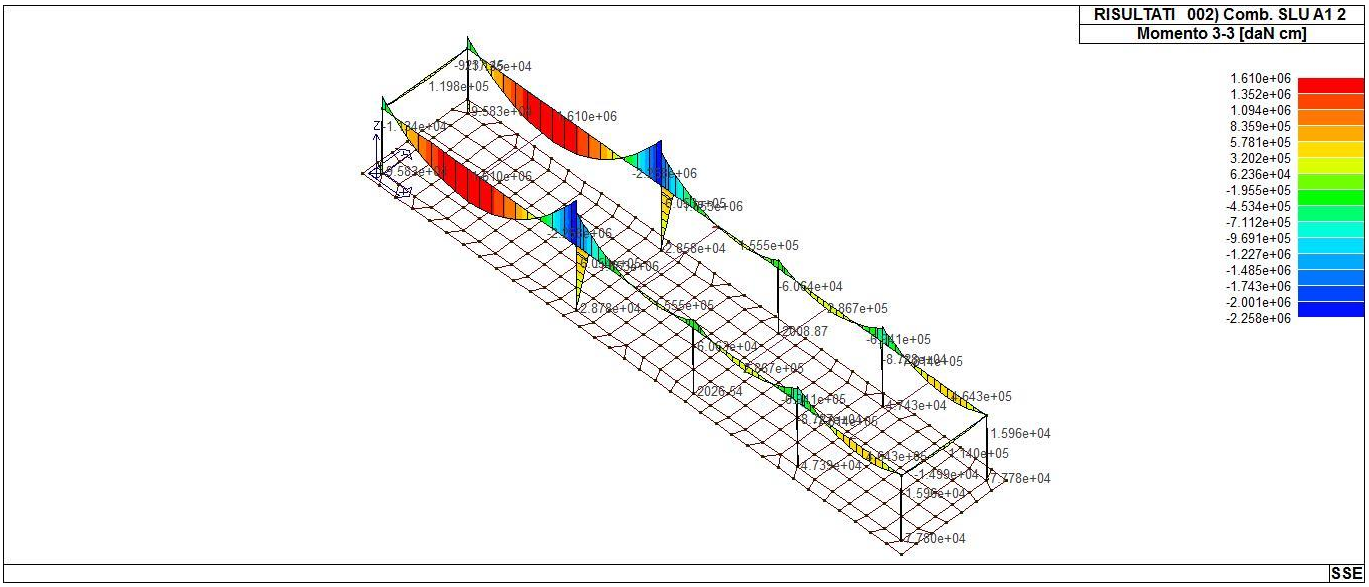
43_RIS_M2_071_Comb. SLE(rara) 71



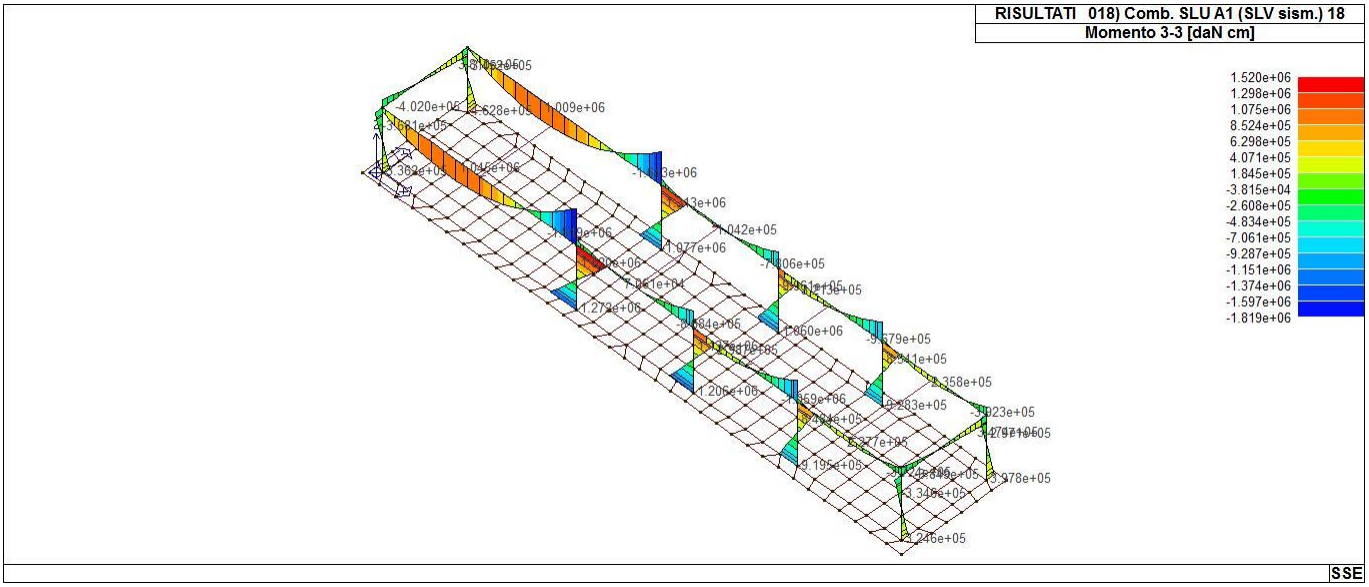
43_RIS_M2_073_Comb. SLE(freq.) 73



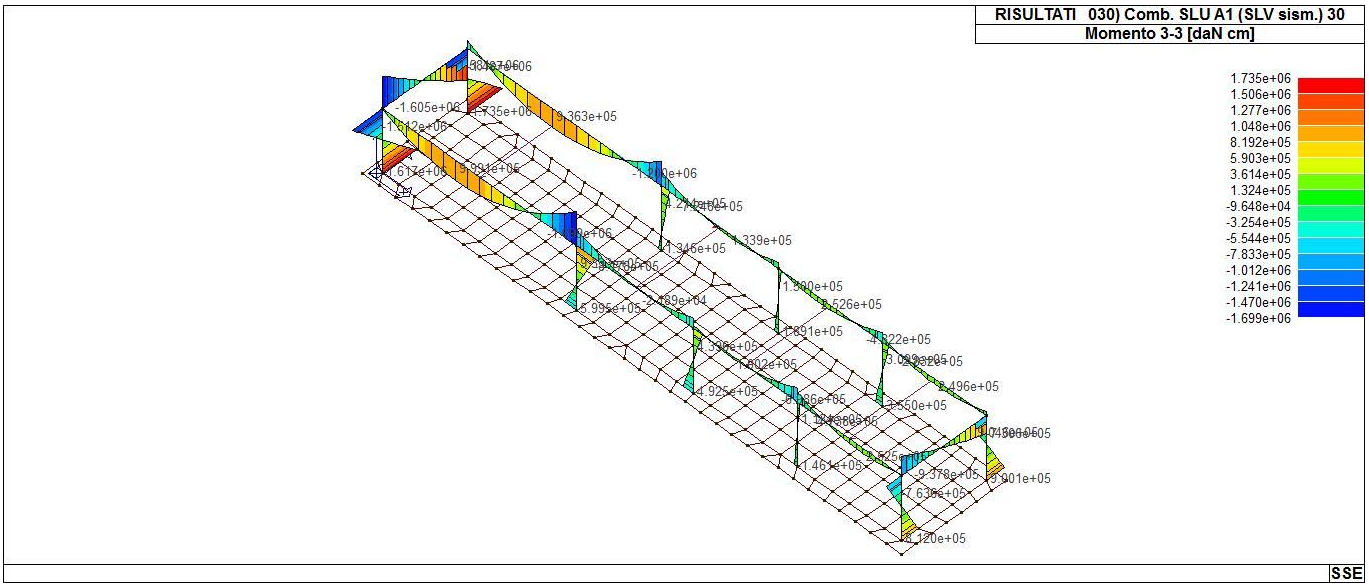
43_RIS_M2_074_Comb. SLE(perm.) 74



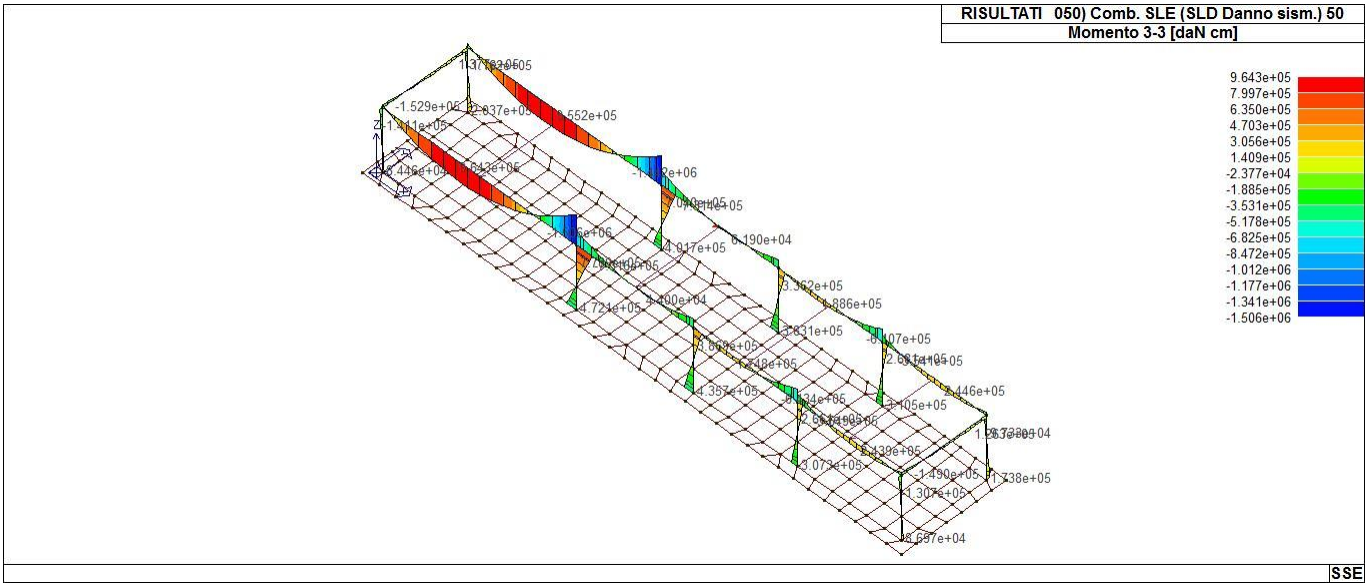
43_RIS_M3_002_Comb. SLU A1 2



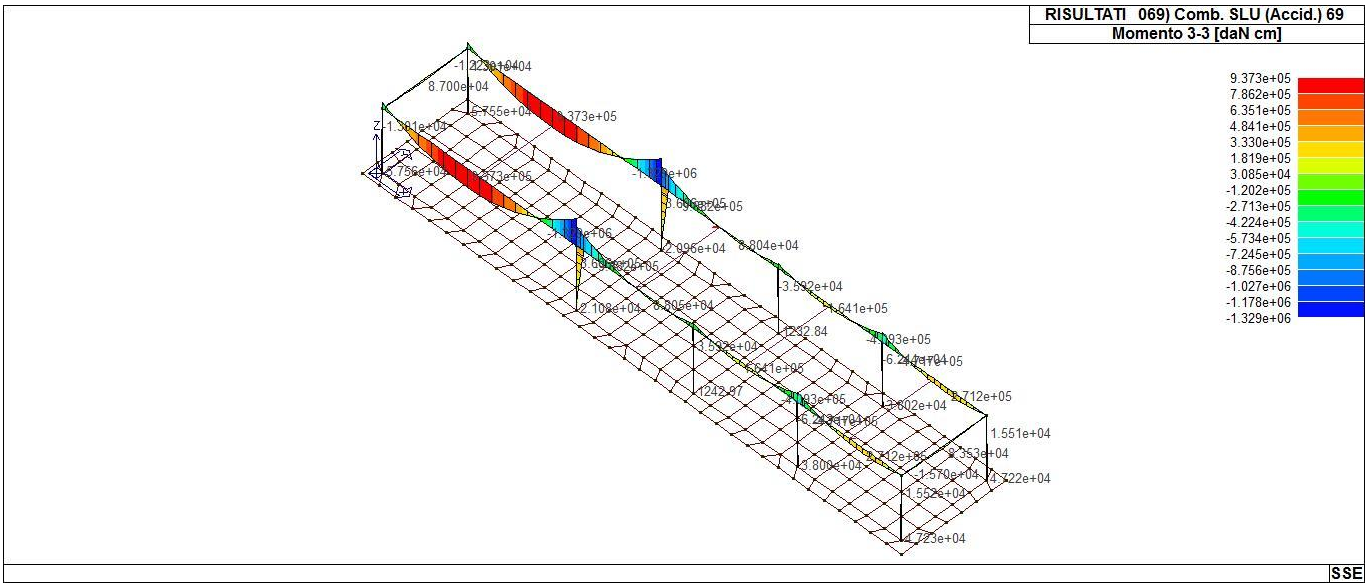
43_RIS_M3_018_Comb. SLU A1 (SLV sism.) 18



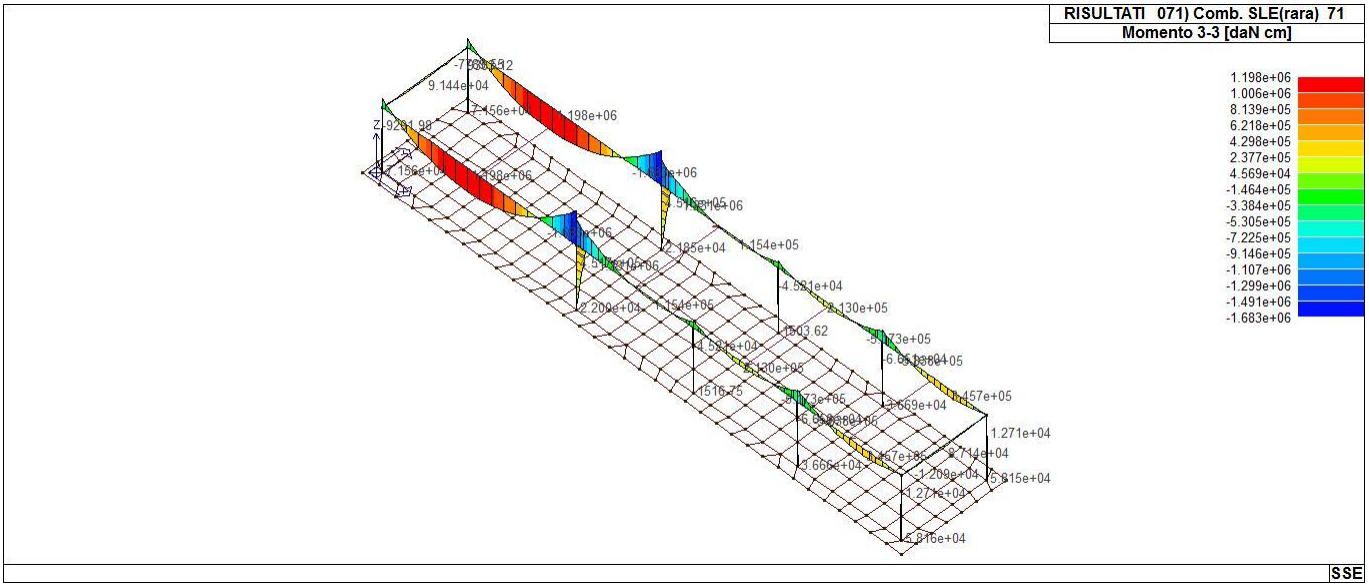
43_RIS_M3_030_Comb. SLU A1 (SLV sism.) 30



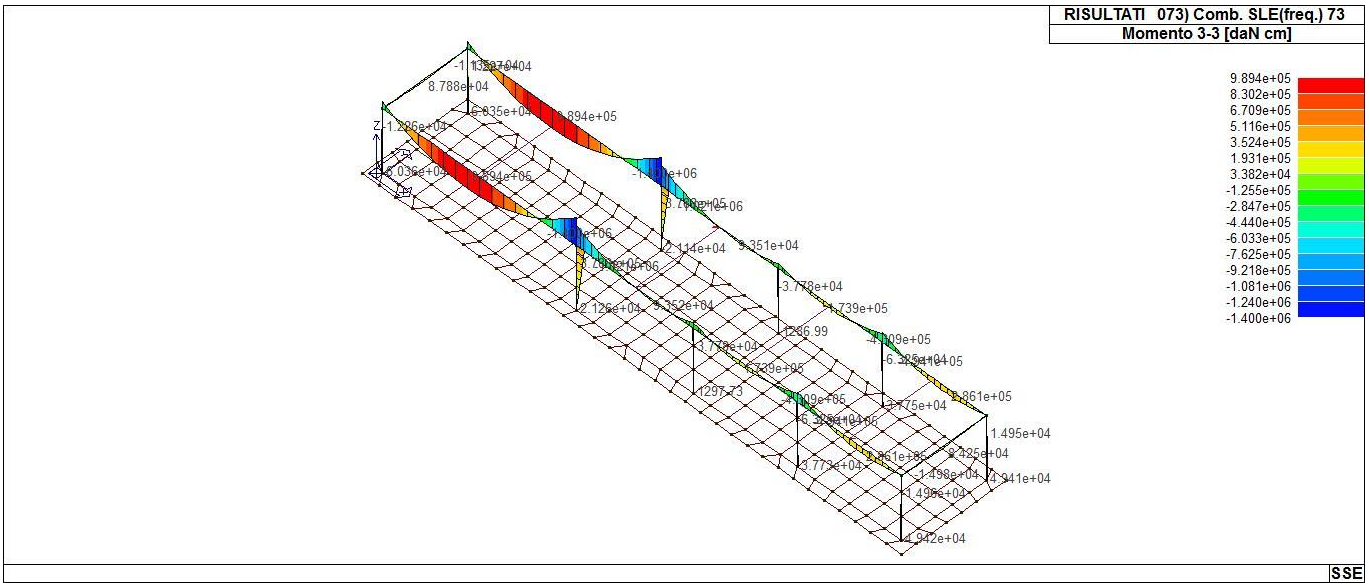
43_RIS_M3_050_Comb. SLE (SLD Danno sism.) 50



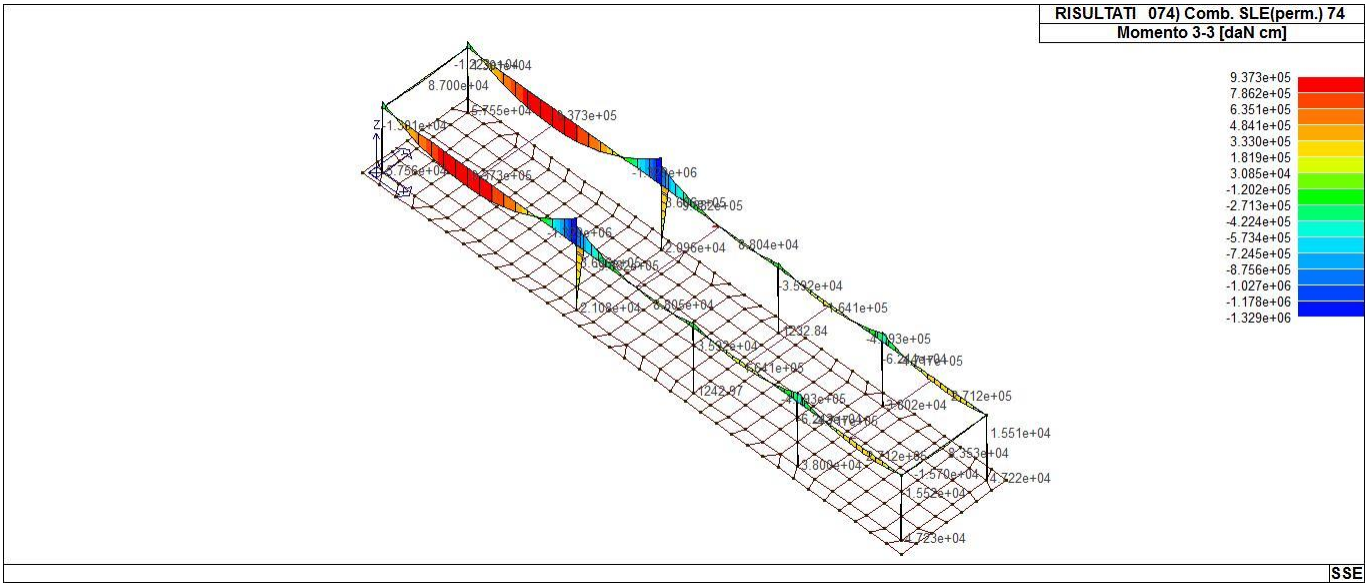
43_RIS_M3_069_Comb. SLU (Accid.) 69



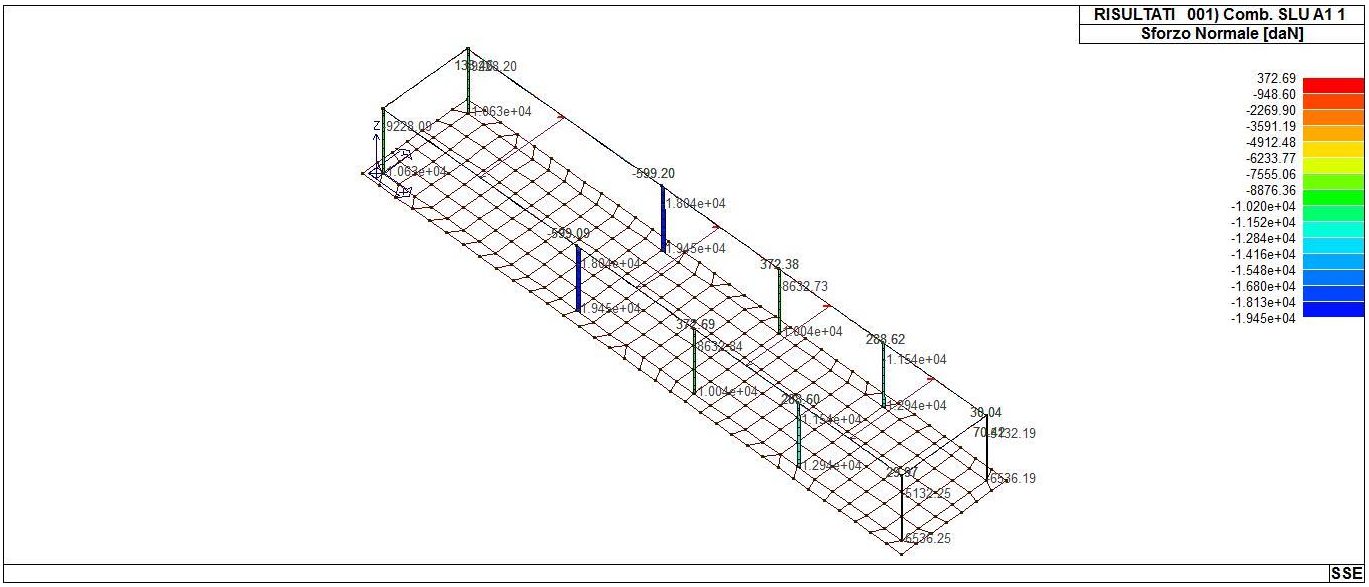
43_RIS_M3_071_Comb. SLE(rara) 71



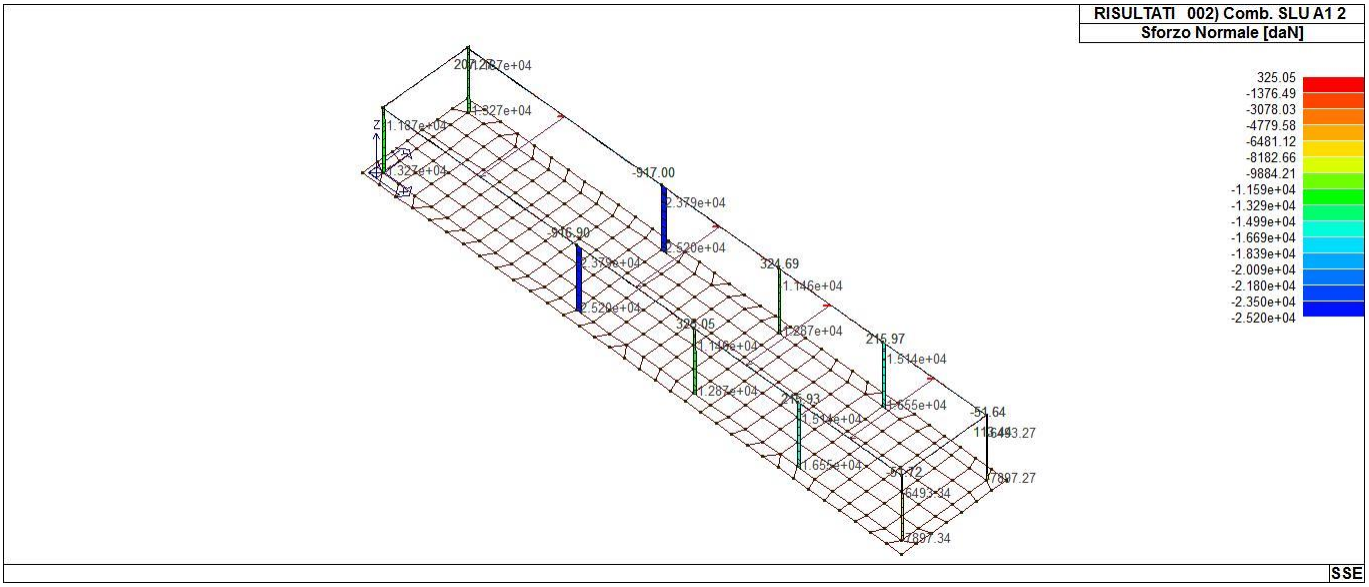
43_RIS_M3_073_Comb. SLE(freq.) 73



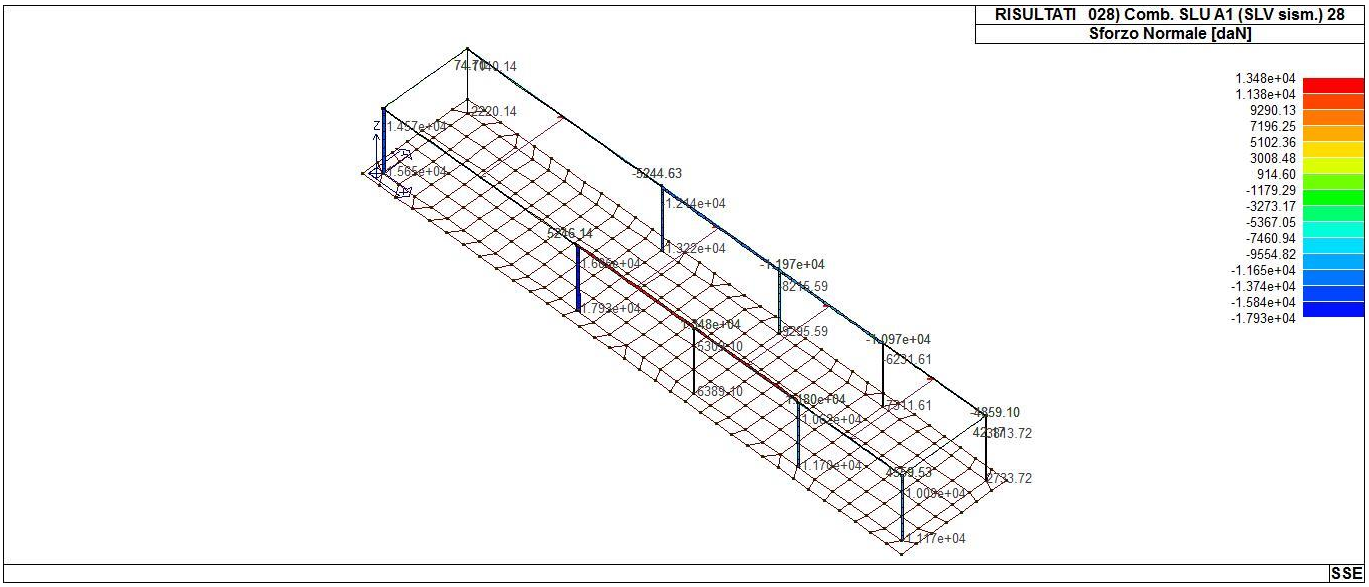
43_RIS_M3_074_Comb. SLE(perm.) 74



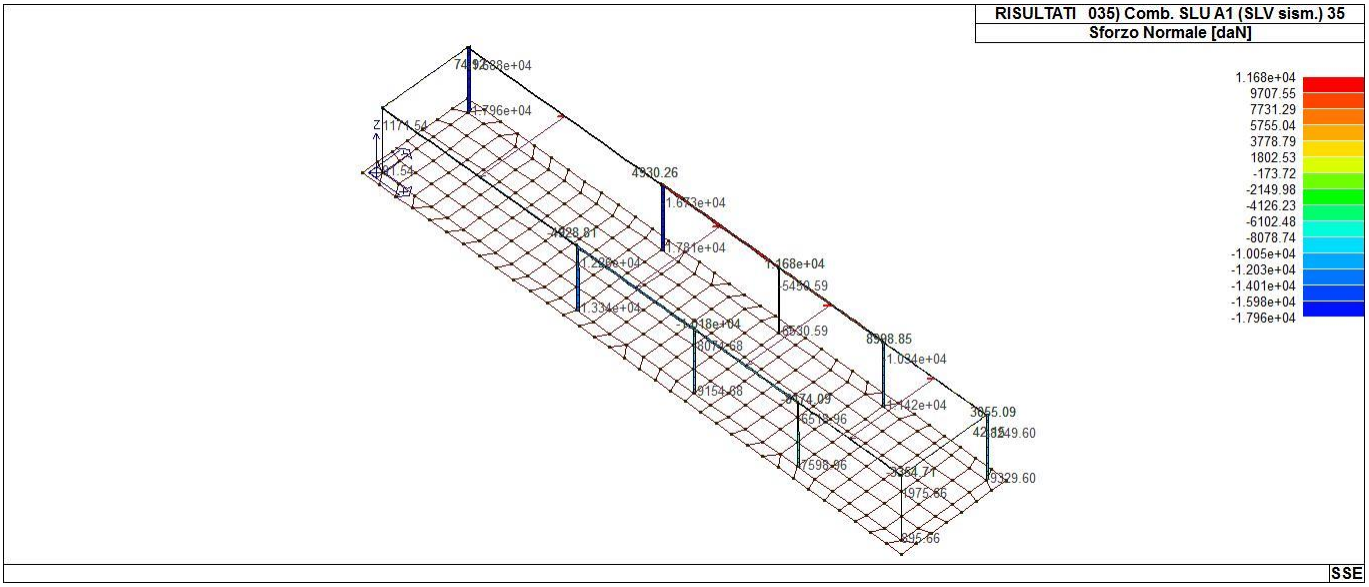
43_RIS_N_001_Comb. SLU A1 1



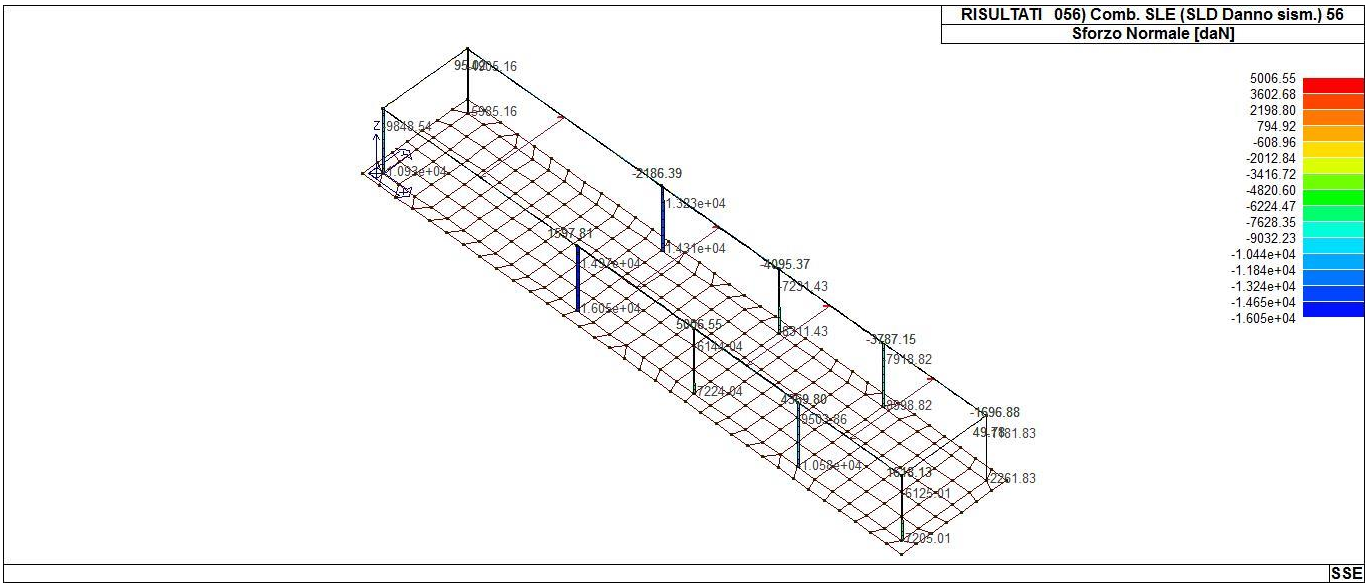
43_RIS_N_002_Comb. SLU A1 2



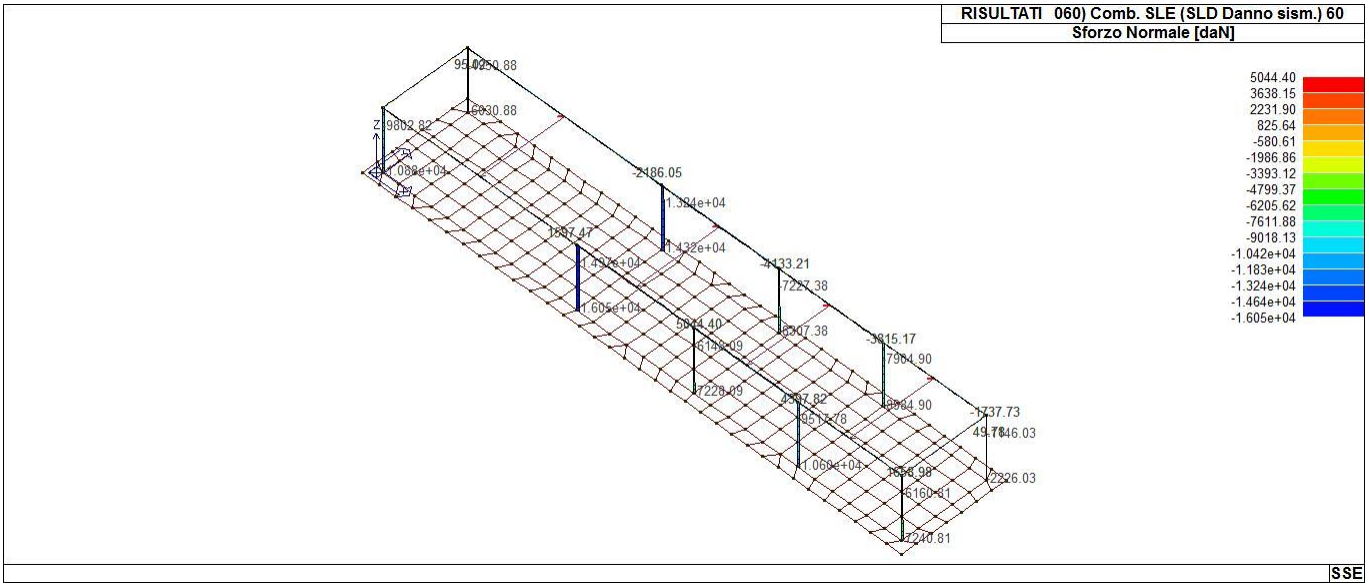
43_RIS_N_028_Comb. SLU A1 (SLV sism.) 28



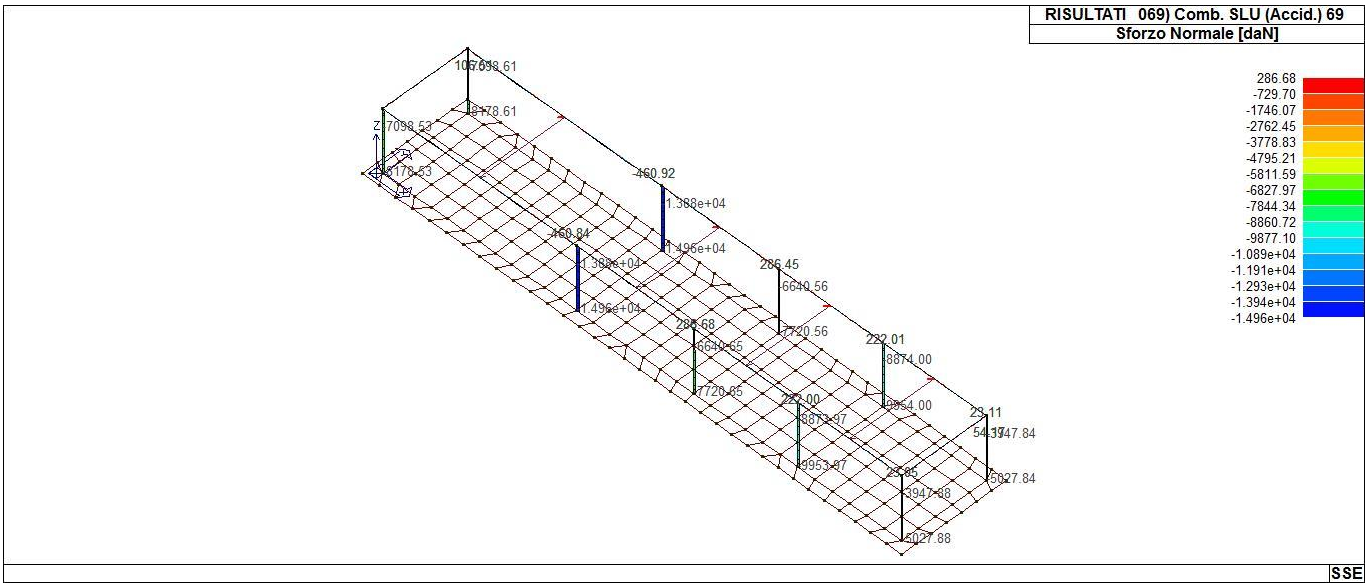
43_RIS_N_035_Comb. SLU A1 (SLV sism.) 35



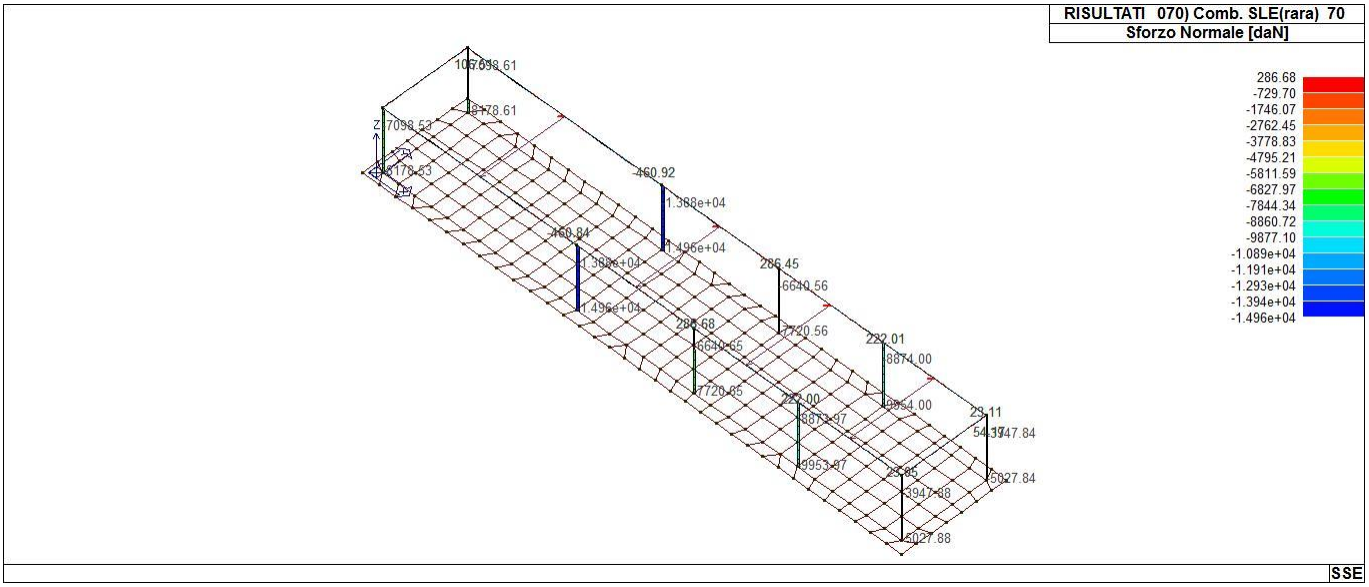
43_RIS_N_056_Comb. SLE (SLD Danno sism.) 56



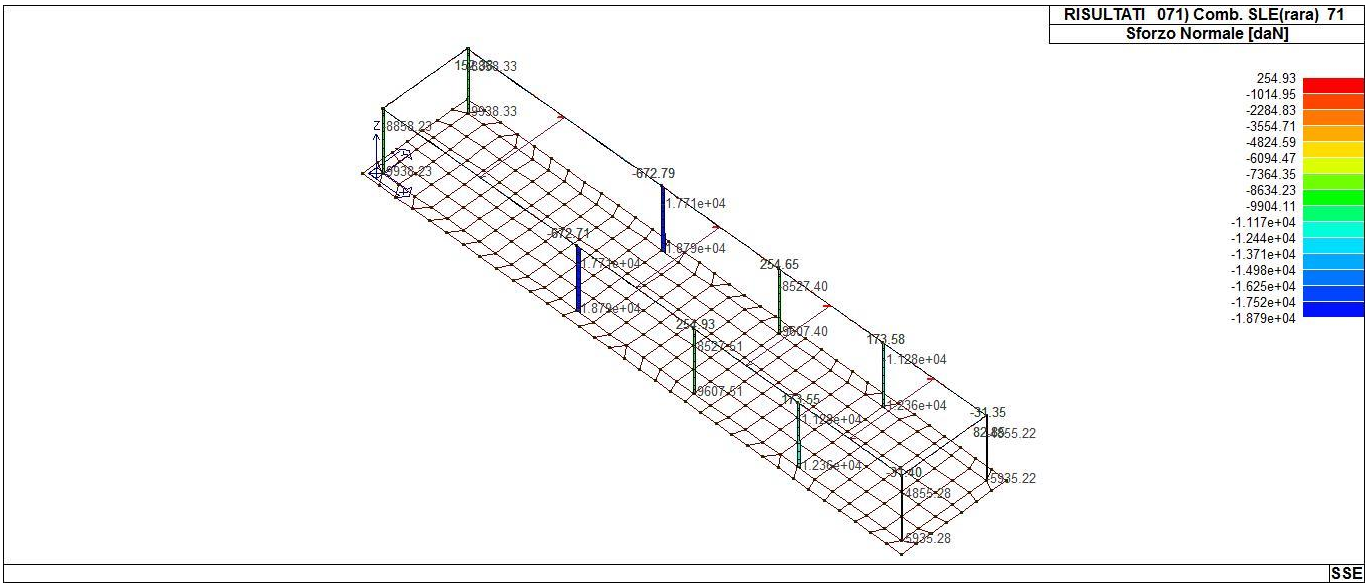
43_RIS_N_060_Comb. SLE (SLD Danno sism.) 60



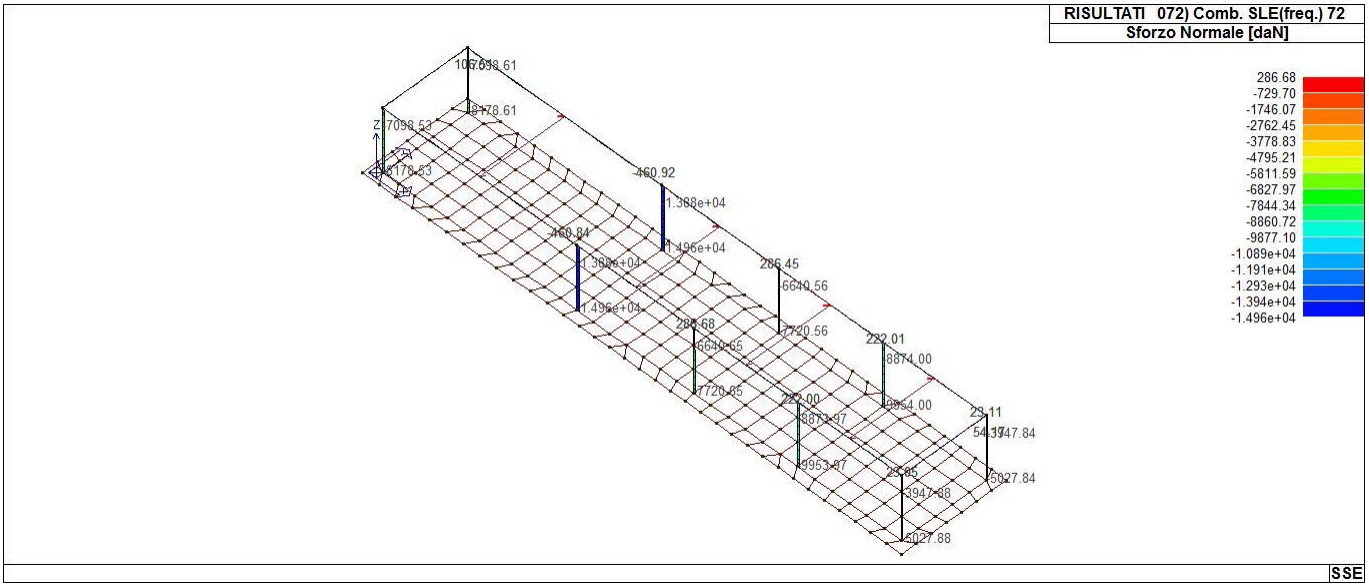
43_RIS_N_069_Comb. SLU (Accid.) 69



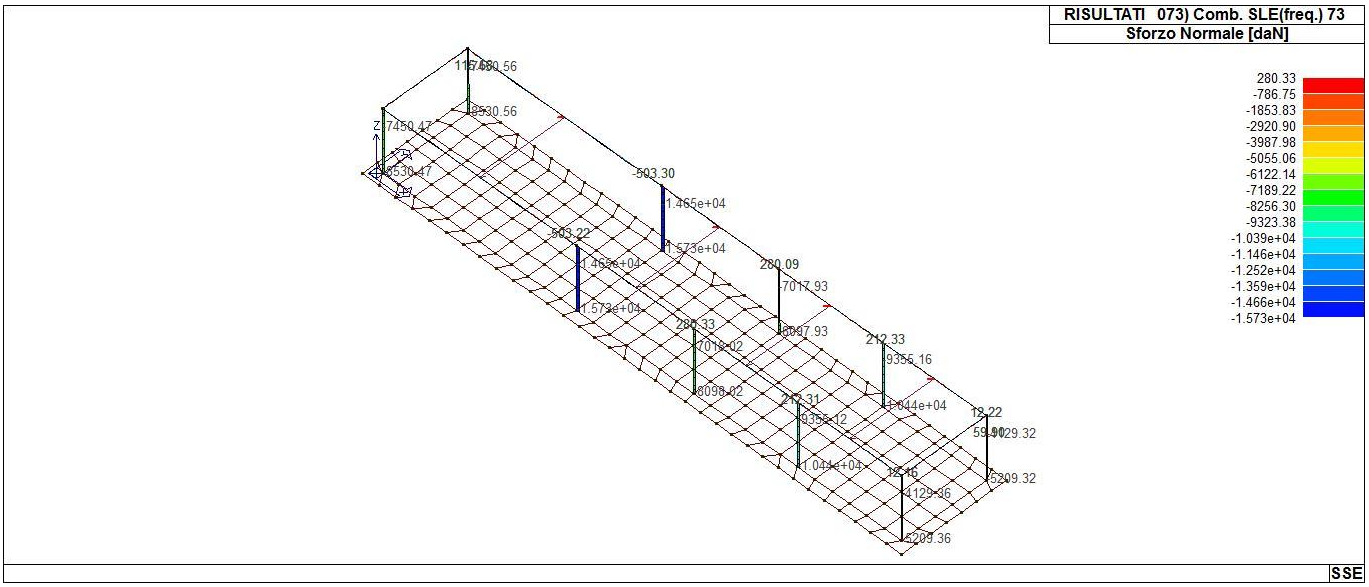
43_RIS_N_070_Comb. SLE(rara) 70



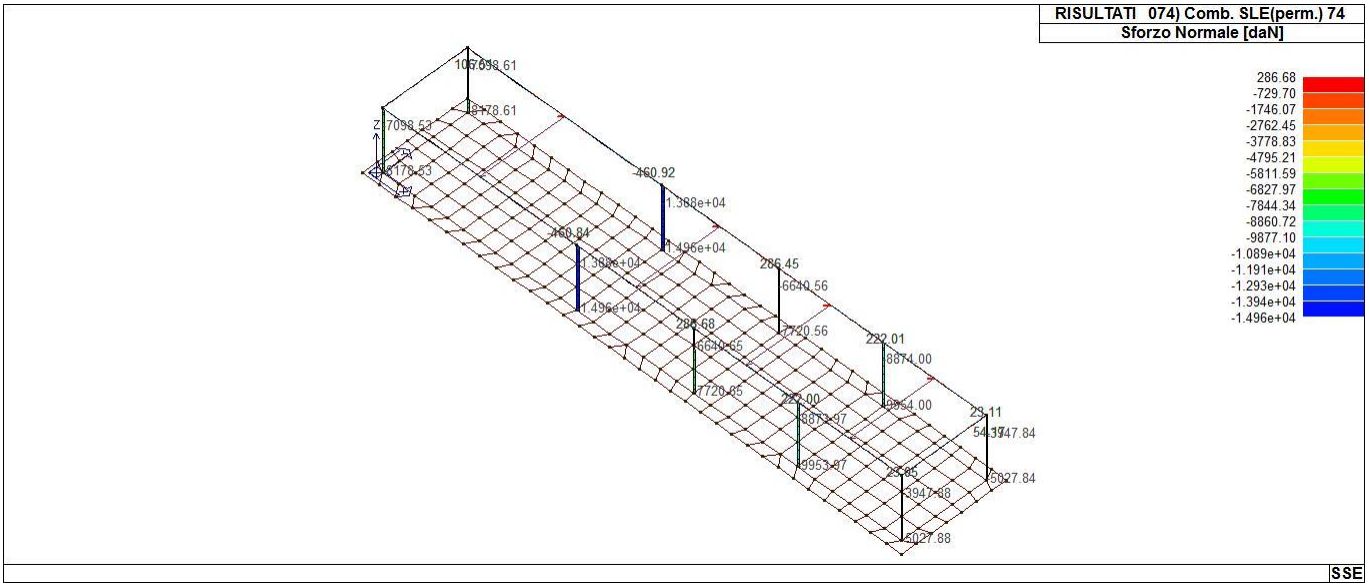
43_RIS_N_071_Comb. SLE(rara) 71



43_RIS_N_072_Comb. SLE(freq.) 72



43_RIS_N_073_Comb. SLE(freq.) 73

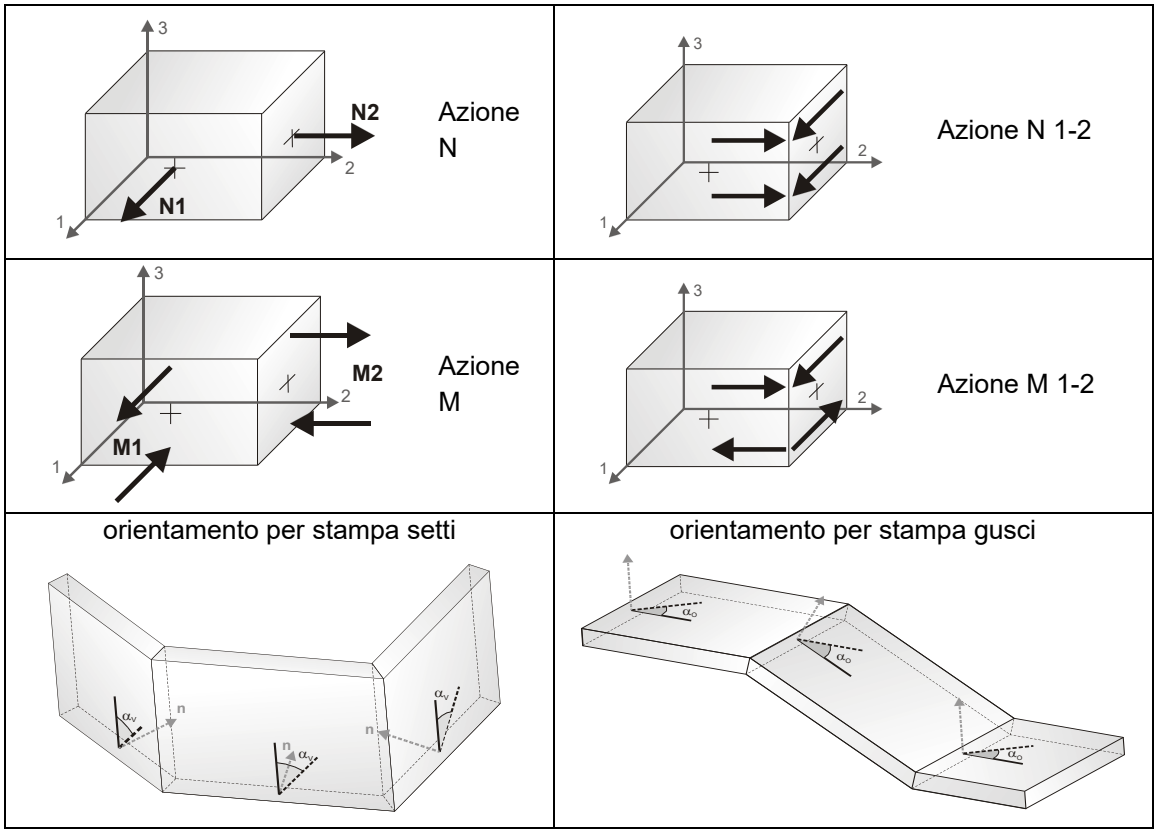


43_RIS_N_074_Comb. SLE(perm.) 74

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.
Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



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

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

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.
Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

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

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

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

Macro	Tipo	Angolo 1-X (gradi)
1	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	2	1	38.31	9.60	25.03	22.89	14.31	-1753.53	-3202.80	-2429.77	-2526.56	723.02
1	2	2	22.59	1.05	22.53	1.10	1.06	-4806.37	-1.063e+04	-1.063e+04	-4807.94	-95.58
1	2	3	1.22	-0.77	1.20	-0.76	0.16	-2087.20	-3265.24	-3264.24	-2088.19	34.25
1	2	4	13.93	-4.07	13.60	-3.75	2.41	-2871.61	-4904.04	-4902.65	-2873.01	53.22
1	2	5	19.11	3.53	9.58	13.06	-7.59	-1038.98	-1750.07	-1361.87	-1427.18	-354.04
1	2	6	19.21	3.65	9.52	13.34	7.54	-1038.50	-1749.64	-1362.71	-1425.42	354.19
1	2	7	13.97	-3.74	13.62	-3.39	-2.49	-2864.58	-4907.01	-4905.53	-2866.06	-54.93
1	2	8	1.24	-0.74	1.23	-0.73	-0.15	-2087.03	-3265.28	-3264.27	-2088.04	-34.49
1	2	9	22.13	0.78	22.08	0.83	-1.04	-4824.92	-1.064e+04	-1.063e+04	-4826.43	93.71
1	2	10	38.69	9.28	25.08	22.88	-14.66	-1758.83	-3206.29	-2432.95	-2532.18	-722.03
1	2	21	71.67	3.71	31.48	43.90	33.40	-274.25	-1713.65	-1193.14	-794.77	691.59
1	2	22	94.89	-4.37	56.87	33.64	48.25	1584.22	-9224.37	-9145.78	1505.62	918.32
1	2	23	18.65	-5.11	7.03	6.51	-11.87	604.50	-2495.25	-2474.94	584.20	-250.07
1	2	24	42.89	-34.08	16.41	-7.60	-36.56	459.29	-3318.61	-3192.40	333.08	-678.88
1	2	25	34.52	2.43	17.77	19.18	-16.03	-130.88	-937.92	-506.84	-561.95	-402.58
1	2	26	34.81	2.67	17.98	19.51	16.05	-131.07	-937.58	-507.52	-561.14	402.36
1	2	27	42.83	-35.02	16.55	-8.74	36.82	448.10	-3311.60	-3186.14	322.64	675.24
1	2	28	18.63	-5.21	6.97	6.45	11.92	602.98	-2495.73	-2475.23	582.49	251.18
1	2	29	95.45	-3.61	57.74	34.10	-48.10	1597.21	-9219.63	-9142.26	1519.84	-911.53
1	2	30	72.64	3.95	32.10	44.49	-33.78	-280.75	-1719.21	-1202.67	-797.29	-690.08
1	2	31	13.86	-25.97	-8.24	-3.87	-19.80	2810.71	-468.25	2308.01	34.45	1181.36
1	2	32	17.41	3.45	9.49	11.37	6.92	4942.56	111.47	4625.70	428.33	1195.98
1	2	33	5.47	0.18	5.45	0.21	-0.35	5994.47	220.51	5875.74	339.24	819.41
1	2	34	4.69	3.84e-02	4.69	3.84e-02	-6.70e-03	6609.21	295.86	6576.88	328.19	450.63
1	2	35	4.34	1.39e-02	4.34	1.40e-02	-2.49e-02	6698.16	307.64	6697.09	308.71	82.54
1	2	36	4.20	1.87e-03	4.20	2.22e-03	3.80e-02	6354.82	287.74	6342.99	299.57	-267.68
1	2	37	4.03	5.36e-03	4.02	1.43e-02	0.19	5604.09	230.43	5532.19	302.33	-617.41
1	2	38	3.69	5.24e-02	3.67	7.61e-02	0.29	4476.93	77.00	4248.39	305.54	-976.37
1	2	39	3.09	-1.21	3.09	-1.21	0.14	3052.11	-368.05	2427.51	256.55	-1321.41
1	2	40	-0.73	-20.04	-7.37	-13.40	9.17	1378.22	-1604.82	-193.80	-32.81	-1489.35
1	2	41	24.07	-32.72	23.83	-32.48	3.70	186.44	-4023.02	-3282.57	-554.01	-1602.69
1	2	42	38.49	-59.78	37.54	-58.83	-9.63	-444.44	-3945.87	-3628.42	-761.89	1005.35
1	2	43	-4.70	-24.59	-23.68	-5.61	-4.16	545.27	-1922.79	-1456.63	79.11	966.03
1	2	44	6.84e-03	-5.21	-5.19	-1.14e-02	-0.31	1111.61	-308.36	453.45	349.80	708.09
1	2	45	-3.13e-02	-3.15	-3.15	-3.69e-02	-0.13	1337.49	317.75	1282.63	372.61	230.07
1	2	46	-0.89	-6.04	-5.87	-1.06	0.92	1252.74	253.97	1219.86	286.86	-178.23
1	2	47	6.09	-10.18	6.04	-10.13	0.86	694.01	-295.70	436.64	-38.33	-434.14
1	2	48	1.80	-8.25	0.83	-7.29	-2.96	964.88	-305.57	605.37	53.94	572.27
1	2	49	-0.78	-4.49	-4.04	-1.23	-1.21	1732.09	233.16	1672.37	292.88	293.17
1	2	50	-0.16	-2.32	-2.26	-0.22	-0.33	1901.03	334.33	1891.67	343.70	-120.77
1	2	51	-0.26	-4.89	-4.69	-0.46	-0.94	1429.57	22.01	1195.27	256.31	-524.30
1	2	52	7.50	-22.39	3.88	-18.76	9.75	302.85	-914.98	-392.85	-219.28	-602.70
1	2	53	6.21	-21.05	-0.49	-14.35	-11.74	673.95	-875.22	-147.40	-53.87	773.17

1	2	54	-1.63	-4.43	-2.68	-3.38	-1.36	1871.33	8.90	1630.07	250.17	625.40
1	2	55	-0.12	-0.75	-0.68	-0.19	-0.19	2492.86	324.32	2467.56	349.61	232.83
1	2	56	3.19	-0.15	1.46	1.59	-1.67	2451.54	327.11	2429.79	348.86	-213.89
1	2	57	6.06	-11.57	-6.11	0.60	8.15	1638.46	19.85	1484.99	173.32	-474.20
1	2	58	4.76	-14.26	-2.04	-7.47	9.11	1476.12	-3.50	174.14	1298.48	-480.92
1	2	59	1.22	-1.35	0.79	-0.92	-0.96	2222.76	336.77	362.36	2197.17	-218.21
1	2	60	1.24	-1.33	0.84	-0.93	0.93	2222.62	336.63	362.14	2197.11	217.88
1	2	61	4.72	-14.26	-2.10	-7.44	-9.10	1476.42	-3.25	174.42	1298.76	480.96
1	2	62	6.08	-11.56	-6.13	0.65	-8.15	1637.89	19.23	1484.42	172.70	474.19
1	2	63	3.21	-0.21	1.47	1.53	1.71	2451.27	327.28	2429.48	349.07	214.05
1	2	64	-6.35e-02	-0.76	-0.69	-0.13	0.21	2492.89	324.23	2467.62	349.50	-232.74
1	2	65	-1.54	-4.34	-2.67	-3.21	1.37	1870.58	8.83	1629.92	249.49	-624.61
1	2	66	5.94	-20.66	-0.57	-14.15	11.43	670.34	-876.37	-149.44	-56.59	-771.96
1	2	67	7.28	-22.81	3.89	-19.42	-9.51	300.31	-913.84	-387.74	-225.79	601.65
1	2	68	-0.29	-4.96	-4.78	-0.47	0.91	1428.39	22.09	1194.96	255.51	523.24
1	2	69	-0.16	-2.34	-2.29	-0.21	0.34	1900.63	334.10	1891.33	343.41	120.38
1	2	70	-0.78	-4.50	-4.05	-1.23	1.21	1732.01	233.06	1672.23	292.85	-293.33
1	2	71	1.81	-8.26	0.84	-7.29	2.97	965.31	-305.30	605.77	54.24	-572.33
1	2	72	6.21	-10.23	6.17	-10.18	-0.85	693.76	-295.81	436.87	-38.92	433.84
1	2	73	-0.86	-6.09	-5.94	-1.00	-0.85	1252.88	254.14	1220.04	286.97	178.09
1	2	74	-9.49e-02	-3.15	-3.14	-9.97e-02	0.12	1337.69	317.78	1282.70	372.76	-230.34
1	2	75	7.75e-02	-5.11	-5.09	6.24e-02	0.28	1111.34	-308.73	453.12	349.49	-708.14
1	2	76	-4.82	-24.23	-23.11	-5.94	4.51	545.26	-1921.61	-1455.83	79.47	-965.44
1	2	77	37.86	-59.56	36.87	-58.57	9.76	-436.47	-3943.48	-3626.65	-753.31	-1005.37
1	2	78	24.27	-33.00	24.05	-32.77	-3.59	185.88	-4022.81	-3284.10	-552.83	1601.03
1	2	79	-0.98	-20.03	-7.85	-13.16	-9.15	1378.71	-1605.70	-192.71	-34.29	1490.10
1	2	80	3.13	-1.42	3.12	-1.41	-0.18	3053.03	-368.28	2427.84	256.91	1322.16
1	2	81	3.70	1.37e-02	3.68	3.60e-02	-0.29	4477.05	77.07	4248.44	305.68	976.53
1	2	82	4.04	-1.63e-04	4.03	8.72e-03	-0.19	5604.16	230.55	5532.26	302.45	617.40
1	2	83	4.21	-1.56e-03	4.21	-1.18e-03	-3.98e-02	6354.97	287.80	6343.14	299.63	267.68
1	2	84	4.34	6.93e-03	4.34	7.09e-03	2.64e-02	6698.32	307.87	6697.26	308.93	-82.44
1	2	85	4.69	5.23e-02	4.69	5.24e-02	-1.81e-02	6609.62	295.90	6577.24	328.27	-450.98
1	2	86	5.52	8.36e-02	5.49	0.11	0.40	5992.17	220.76	5873.60	339.33	-818.71
1	2	87	17.54	3.99	9.62	11.92	-6.67	4950.60	108.48	4633.88	425.19	-1197.20
1	2	88	13.98	-25.99	-7.99	-4.02	19.89	2810.20	-464.95	2307.90	37.35	-1180.17
1	2	89	11.10	-25.03	5.81e-02	-13.99	16.64	2146.83	-143.91	348.19	1654.74	-940.80
1	2	90	2.02	-4.95	1.30	-4.23	-2.12	3015.50	608.78	683.72	2940.57	-418.00
1	2	91	2.09	-4.91	1.41	-4.23	2.07	3015.34	608.61	683.31	2940.64	417.35
1	2	92	10.99	-24.99	-8.84e-02	-13.91	-16.61	2146.31	-143.90	347.61	1654.80	940.26
1	2	93	6.48	-10.73	-1.16	-3.08	-8.55	237.82	-1199.37	-842.73	-118.82	-620.78
1	2	94	55.68	14.37	23.88	46.17	17.39	3540.24	457.72	3291.48	706.49	839.60
1	2	95	2.80	-9.89	2.32	-9.41	-2.42	5458.57	-229.31	5408.65	-179.39	530.52
1	2	96	3.91	-0.17	3.90	-0.17	-0.15	6445.89	-53.01	6433.37	-40.48	285.04
1	2	97	4.14	5.95e-02	4.14	5.99e-02	-4.31e-02	6804.48	-39.05	6802.79	-37.36	107.50
1	2	98	4.24	6.25e-02	4.24	6.26e-02	-1.50e-02	6630.63	-37.49	6630.04	-36.90	-62.81
1	2	99	4.21	4.58e-02	4.21	4.58e-02	-4.30e-03	5972.19	-46.77	5963.73	-38.31	-225.49
1	2	100	3.90	5.24e-02	3.90	5.41e-02	-8.06e-02	4828.22	-69.77	4797.38	-38.93	-387.43
1	2	101	4.08	1.53	3.61	2.00	-0.99	3163.98	-104.46	3066.58	-7.05	-555.78
1	2	102	34.33	7.14	14.88	26.59	-12.27	1362.63	-342.25	670.30	350.07	-837.27
1	2	103	8.97	-59.50	5.88	-56.41	14.21	-1191.75	-2981.77	-2877.32	-1296.20	-419.59
1	2	104	-15.81	-194.24	-58.40	-151.66	-76.06	-2456.88	-6678.80	-6264.16	-2871.52	-1256.45
1	2	105	45.15	8.09	29.26	23.98	18.34	611.44	-2147.47	-1886.21	350.18	807.80
1	2	106	4.26	-0.51	1.64	2.11	2.37	323.03	-435.35	-86.51	-25.81	377.98
1	2	107	-0.21	-1.38	-1.38	-0.21	-3.16e-02	1036.76	-75.00	1010.09	-48.34	170.11
1	2	108	0.17	-1.43	-1.32	5.10e-02	-0.41	1465.93	-58.31	1465.64	-58.02	21.07
1	2	109	7.91	0.36	3.68	4.60	-3.75	1151.97	-9.22	1120.96	21.79	-187.20
1	2	110	-3.59	-36.58	-11.34	-28.82	13.99	-383.40	-857.84	-574.76	-666.48	232.74
1	2	111	-0.74	-13.86	-2.47	-12.14	-4.43	359.78	-390.47	337.24	-367.93	128.07
1	2	112	4.72	-0.61	0.51	3.60	2.17	1679.52	-16.75	1660.86	1.91	176.89
1	2	113	0.12	-1.60	-1.54	6.73e-02	0.30	2001.43	-48.01	2001.42	-48.00	-4.06
1	2	114	0.53	0.32	0.48	0.37	-8.89e-02	1589.33	-57.18	1570.08	-37.93	-176.96
1	2	115	16.37	-1.60	5.96	8.81	-8.87	688.33	-103.61	422.91	161.81	-373.83
1	2	116	1.83	-88.79	-26.05	-60.90	41.83	-908.76	-3491.48	-3119.84	-1280.40	906.49
1	2	117	5.59	-1.21	3.23	1.14	3.24	543.69	-378.60	271.61	-106.52	420.60
1	2	118	4.87	-0.70	-0.22	4.40	1.55	1894.11	-26.83	1853.07	14.20	277.76
1	2	119	-0.23	-1.79	-1.71	-0.31	0.34	2554.14	-58.57	2550.59	-55.02	96.29
1	2	120	-2.10	-4.81	-3.12	-3.79	1.31	2504.42	-123.53	2503.40	-122.51	-51.74
1	2	121	19.66	3.45	6.45	16.65	-6.30	1698.03	137.71	1640.79	194.95	-293.32
1	2	122	7.44	-3.14	0.83	3.47	5.12	249.47	-680.83	-474.95	43.60	386.19
1	2	123	6.95	-14.86	-4.40	-3.51	10.89	259.48	-968.73	57.39	-766.64	455.38
1	2	124	15.66	2.16	13.30	4.53	-5.13	1445.91	39.40	110.94	1374.37	-309.03
1	2	125	-2.11	-5.34	-2.29	-5.17	0.74	2260.68	-113.89	-111.68	2258.47	-72.47
1	2	126	-2.29	-5.31	-2.45	-5.15	-0.68	2260.70	-113.54	-111.29	2258.46	72.91
1	2	127	15.58	2.18	13.21	4.54	5.11	1445.26	37.35	108.54	1374.08	308.48
1	2	128	6.54	-14.91	-4.66	-3.71	-10.71	262.99	-968.98	62.33	-768.32	-454.91
1	2	129	7.54	-3.22	0.77	3.56	-5.20	245.32	-683.19	-475.19	37.32	-387.13

1	2	130	19.69	3.45	6.42	16.71	6.28	1699.76	139.97	1642.12	197.61	294.25
1	2	131	-2.00	-4.80	-3.15	-3.66	-1.38	2504.65	-123.65	2503.65	-122.65	51.32
1	2	132	-0.34	-1.81	-1.71	-0.43	-0.36	2554.17	-58.59	2550.61	-55.03	-96.32
1	2	133	4.47	-0.84	-0.30	3.93	-1.61	1895.06	-26.33	1853.54	15.19	-279.36
1	2	134	5.08	-0.84	3.41	0.82	-2.66	551.29	-375.09	277.35	-101.15	-422.76
1	2	135	3.29	-86.81	-25.50	-58.02	-42.01	-902.54	-3498.16	-3133.57	-1267.13	-901.89
1	2	136	15.36	-1.69	5.44	8.22	8.41	684.80	-103.98	423.43	157.39	371.28
1	2	137	0.75	0.37	0.66	0.46	0.16	1590.46	-56.35	1571.01	-36.90	177.89
1	2	138	7.97e-02	-1.57	-1.50	1.86e-02	-0.31	2001.67	-47.42	2001.66	-47.41	4.27
1	2	139	4.72	-0.62	0.52	3.59	-2.18	1679.43	-16.52	1660.77	2.14	-176.92
1	2	140	-0.74	-13.90	-2.48	-12.16	4.46	359.66	-390.49	337.03	-367.86	-128.32
1	2	141	-3.79	-36.48	-11.61	-28.65	-13.95	-383.38	-856.98	-575.00	-665.37	-232.45
1	2	142	7.83	0.61	3.87	4.57	3.59	1151.68	-9.82	1120.70	21.17	187.16
1	2	143	0.32	-1.43	-1.31	0.21	0.44	1465.31	-59.12	1465.03	-58.84	-20.64
1	2	144	-0.34	-1.21	-1.21	-0.34	1.38e-02	1039.44	-72.68	1012.36	-45.60	-171.42
1	2	145	3.84	-0.84	1.14	1.86	-2.31	322.03	-436.63	-89.60	-25.00	-377.95
1	2	146	45.37	6.69	27.74	24.32	-19.26	614.11	-2150.35	-1888.18	351.94	-809.94
1	2	147	-15.07	-194.90	-57.33	-152.63	76.25	-2467.93	-6678.18	-6260.56	-2885.55	1258.52
1	2	148	8.80	-59.83	5.84	-56.87	-13.94	-1193.55	-2980.83	-2876.19	-1298.20	419.62
1	2	149	34.65	7.19	15.27	26.56	12.52	1360.26	-343.37	667.33	349.56	836.86
1	2	150	4.06	1.84	3.53	2.36	0.95	3163.35	-104.72	3066.23	-7.60	554.95
1	2	151	3.87	0.14	3.87	0.14	5.22e-02	4828.13	-69.78	4797.32	-38.97	387.24
1	2	152	4.20	6.74e-02	4.20	6.74e-02	-1.65e-03	5972.06	-46.89	5963.61	-38.44	225.37
1	2	153	4.23	7.81e-02	4.23	7.82e-02	1.27e-02	6630.45	-37.71	6629.86	-37.12	62.68
1	2	154	4.13	8.66e-02	4.13	8.68e-02	3.16e-02	6804.33	-39.70	6802.63	-38.00	-107.75
1	2	155	3.97	-0.11	3.97	-0.11	0.14	6444.00	-52.85	6431.57	-40.42	-283.93
1	2	156	2.43	-10.45	2.07	-10.09	2.11	5452.52	-226.30	5402.54	-176.32	-530.40
1	2	157	55.74	13.35	23.48	45.60	-18.08	3537.55	442.86	3288.42	691.99	-841.98
1	2	158	6.90	-10.11	-0.17	-3.03	8.38	252.43	-1193.30	-838.37	-102.49	622.22
1	2	159	11.86	-14.76	2.26	-5.16	12.78	402.34	-1765.55	127.76	-1490.98	721.01
1	2	160	26.54	1.46	21.90	6.09	-9.73	1919.75	31.81	189.92	1761.64	-522.97
1	2	161	-3.61	-15.59	-3.73	-15.47	1.19	3076.15	-194.48	-188.75	3070.41	-136.85
1	2	162	-3.90	-15.59	-4.00	-15.48	-1.11	3076.15	-194.24	-188.44	3070.35	137.58
1	2	163	26.32	1.45	21.65	6.11	9.71	1917.51	27.91	185.22	1760.20	522.03
1	2	164	11.18	-15.17	1.39	-5.38	-12.73	409.33	-1762.82	138.58	-1492.07	-717.49
1	2	165	4.64	0.18	4.64	0.19	0.12	6306.93	1197.86	6306.81	1197.99	25.39
1	2	166	3.22	2.19	2.81	2.60	-0.51	4301.70	1775.75	4250.41	1827.05	-356.30
1	2	167	4.47	0.94	4.43	0.98	0.36	6158.15	1307.48	6155.15	1310.47	120.51
1	2	168	4.02	1.92	3.74	2.20	0.72	5481.17	1503.84	5467.82	1517.19	230.03
1	2	169	3.21	2.19	2.81	2.58	0.50	4303.07	1776.66	4252.19	1827.54	354.92
1	2	170	0.65	-1.03	-0.37	-5.34e-03	-0.82	1642.88	615.57	1207.26	1051.19	507.69
1	2	171	0.89	-0.93	0.88	-0.92	-0.16	1935.47	1209.42	1253.62	1891.28	173.59
1	2	172	0.88	-0.38	-0.16	0.67	0.48	2146.89	1109.35	2117.52	1138.73	172.10
1	2	173	0.89	-0.93	0.88	-0.92	0.16	1935.44	1207.65	1252.07	1891.03	-174.22
1	2	174	1.16	-1.23	6.20e-02	-0.12	1.19	2179.70	1132.67	2152.77	1159.60	-165.74
1	2	175	0.67	-1.04	-0.41	4.70e-02	0.82	1642.95	615.34	1206.90	1051.38	-507.88
1	2	176	2.13	-2.08	2.05e-02	3.53e-02	2.11	1804.60	784.62	1416.99	1172.24	-495.09
1	2	177	4.53	-3.65	4.09	-3.20	1.86	1524.44	-548.54	-159.67	1135.57	-809.26
1	2	178	10.65	-6.58	10.45	-6.38	1.85	1896.61	-1552.71	-1552.17	1896.07	-42.89
1	2	179	0.89	-0.38	-0.16	0.67	-0.48	2147.46	1107.91	2118.30	1137.07	-171.65
1	2	180	1.17	-1.23	5.95e-02	-0.12	-1.19	2179.11	1133.61	2152.04	1160.69	166.04
1	2	181	1.59	-5.26	-2.23	-1.44	-3.40	1510.44	627.11	970.77	1166.79	430.65
1	2	182	2.14	-2.08	2.45e-02	3.98e-02	-2.11	1804.67	784.95	1416.99	1172.62	495.00
1	2	183	-0.13	-2.63	-2.51	-0.25	-0.54	1594.46	1175.41	1574.37	1195.50	89.53
1	2	184	4.57	-3.63	4.13	-3.20	-1.83	1524.09	-548.14	-159.39	1135.33	808.98
1	2	185	-0.13	-2.25	-1.89	-0.49	0.80	1580.69	1019.47	1416.60	1183.57	-255.28
1	2	186	10.57	-6.57	10.37	-6.37	-1.86	1897.06	-1553.51	-1553.00	1896.55	41.95
1	2	187	0.34	-2.28	0.19	-2.13	0.62	1452.48	88.35	396.95	1143.89	-570.73
1	2	188	3.62	-3.04	3.56	-2.98	0.66	1719.68	-592.86	-592.48	1719.30	-29.51
1	2	189	1.58	-5.24	-2.25	-1.41	3.38	1510.38	626.93	970.81	1166.50	-430.76
1	2	190	-8.14e-02	-3.17	-0.16	-3.09	-0.47	1341.86	-79.13	148.04	1114.69	520.76
1	2	191	-0.13	-2.63	-2.51	-0.25	0.54	1594.50	1175.31	1574.39	1195.42	-89.59
1	2	192	-0.48	-3.67	-2.92	-1.23	-1.35	1295.06	845.70	979.64	1161.12	205.54
1	2	193	-0.14	-2.26	-1.90	-0.50	-0.79	1580.81	1019.47	1416.73	1183.54	255.31
1	2	194	-0.64	-3.57	-3.43	-0.78	0.63	1267.27	887.45	944.50	1210.22	-135.71
1	2	195	0.35	-2.24	0.20	-2.09	-0.60	1451.79	89.65	397.87	1143.57	569.95
1	2	196	3.63	-3.02	3.57	-2.96	-0.65	1721.75	-590.70	-590.22	1721.27	33.19
1	2	197	6.44	-15.97	-4.09	-5.44	11.18	1380.45	-1679.50	-1422.83	1123.77	-848.26
1	2	198	-8.09e-02	-3.21	-0.16	-3.14	0.48	1344.05	-80.11	146.53	1117.41	-520.96
1	2	199	14.35	-17.31	13.95	-16.91	3.56	1317.44	-4175.93	-3909.92	1051.43	-1179.21
1	2	200	-0.48	-3.66	-2.91	-1.23	1.35	1294.86	845.74	979.77	1160.82	-205.50
1	2	201	32.86	-18.67	32.30	-18.11	-5.33	2226.79	-5502.65	-5499.89	2224.03	146.20
1	2	202	-0.65	-3.56	-3.42	-0.79	-0.63	1266.96	887.67	944.75	1209.89	135.61
1	2	203	17.09	-8.54	16.98	-8.43	-1.67	1431.19	-3660.97	-3190.78	961.00	1474.18
1	2	204	7.92	-4.25	5.04	-1.38	-5.17	1781.06	-904.72	-140.16	1016.50	1211.98
1	2	205	6.55	-15.90	-4.09	-5.26	-11.21	1379.27	-1680.61	-1424.08	1122.74	848.03

1	2	206	5.07	-2.60	3.00	-0.53	-3.40	2693.46	486.32	2182.31	997.46	931.07
1	2	207	14.27	-17.17	13.90	-16.80	-3.38	1316.50	-4177.04	-3911.10	1050.56	1179.08
1	2	208	4.54	-0.92	4.22	-0.60	-1.29	4117.72	797.87	3986.81	928.78	646.12
1	2	209	33.02	-18.56	32.51	-18.05	5.12	2260.41	-5465.88	-5463.58	2258.11	-133.21
1	2	210	4.50	-0.44	4.45	-0.39	-0.50	5318.63	832.95	5283.75	867.82	393.99
1	2	211	17.19	-8.53	17.06	-8.40	1.81	1451.98	-3649.69	-3184.83	987.13	-1468.14
1	2	212	4.51	-0.19	4.50	-0.18	-0.17	6105.81	841.62	6100.71	846.71	163.71
1	2	213	7.50	-4.25	4.83	-1.58	4.93	1779.39	-907.71	-142.23	1013.90	-1212.83
1	2	214	4.63	4.67e-02	4.63	5.09e-02	-0.14	6449.47	870.24	6448.75	870.96	-63.48
1	2	215	5.05	-2.61	2.98	-0.54	3.40	2692.81	486.55	2182.50	996.85	-930.30
1	2	216	4.96	0.37	4.91	0.42	-0.48	6324.13	924.91	6306.86	942.18	-304.87
1	2	217	4.53	-0.90	4.21	-0.58	1.28	4118.58	797.09	3987.76	927.92	-646.07
1	2	218	4.49	-0.43	4.44	-0.38	0.49	5318.53	833.12	5283.56	868.10	-394.52
1	2	219	4.51	-0.18	4.50	-0.17	0.17	6105.60	841.60	6100.49	846.71	-163.81
1	2	220	4.60	-0.77	2.65	1.19	2.58	2952.10	420.86	2188.73	1184.23	-1161.70
1	2	221	4.63	4.88e-02	4.63	5.31e-02	0.14	6449.13	870.49	6448.41	871.22	63.67
1	2	222	4.96	0.38	4.91	0.43	0.48	6324.57	924.37	6307.26	941.68	305.27
1	2	223	3.67	-0.56	3.67	-0.56	-9.87e-02	2826.61	2002.65	2490.57	2338.69	-404.92
1	2	224	3.69	-0.55	3.69	-0.55	0.12	2828.70	2001.98	2493.74	2336.93	405.85
1	2	225	4.76	-0.79	2.93	1.05	-2.61	2955.34	416.98	2194.65	1177.68	1162.87
1	2	226	4.21	-5.95	4.15	-5.89	-0.77	1412.40	-796.66	-512.18	1127.92	739.94
1	2	227	4.24	-5.99	4.18	-5.92	0.80	1412.47	-796.04	-511.83	1128.26	-739.53
1	2	228	1.25	-6.93	-4.55	-1.13	3.72	1413.24	-57.58	140.94	1214.73	-502.56
1	2	229	1.23	-6.96	-4.60	-1.12	-3.71	1412.63	-57.43	141.00	1214.20	502.33
1	2	230	6.23	0.91	5.48	1.67	-1.86	5702.45	984.09	5632.15	1054.39	-571.64
1	2	231	5.06	2.95	4.03	3.99	-1.05	4569.92	959.11	4352.70	1176.32	-858.57
1	2	232	6.20	0.91	5.46	1.65	1.83	5702.45	991.79	5633.15	1061.10	567.14
1	2	233	5.06	2.91	3.95	4.02	1.07	4570.82	960.41	4353.71	1177.52	858.33
1	2	234	0.55	-0.26	0.49	-0.20	0.21	1961.38	1684.42	1940.29	1705.51	73.47
1	2	235	0.55	-0.26	0.49	-0.20	-0.21	1962.58	1683.41	1941.44	1704.56	-73.86
1	2	236	1.36	-0.82	1.19	-0.65	0.58	1980.28	1685.59	1964.34	1701.53	-66.67
1	2	237	2.53	-0.61	2.40	-0.48	0.62	1957.32	1203.77	1256.31	1904.77	-191.92
1	2	238	3.13	1.85	2.97	2.01	-0.42	2259.01	137.98	162.18	2234.81	-225.27
1	2	239	7.74	2.19	7.74	2.20	0.22	2537.07	-510.04	-509.96	2537.00	-15.42
1	2	240	1.89	-0.32	1.88	-0.31	-0.18	2287.32	-144.87	-128.58	2271.02	198.40
1	2	241	1.36	-0.81	1.19	-0.64	-0.58	1980.99	1684.76	1965.03	1700.73	66.89
1	2	242	2.53	-0.61	2.41	-0.48	-0.62	1957.40	1203.81	1256.39	1904.82	191.99
1	2	243	1.24	-2.60	1.04	-2.39	-0.86	1987.61	774.01	798.88	1962.75	171.93
1	2	244	-0.27	-1.96	-0.37	-1.86	-0.40	1799.05	1371.42	1374.30	1796.18	34.94
1	2	245	3.13	1.86	2.97	2.01	0.42	2259.00	138.01	162.19	2234.82	225.16
1	2	246	-0.52	-1.03	-0.54	-1.00	0.11	1881.34	1233.82	1249.55	1865.60	-99.70
1	2	247	7.74	2.19	7.73	2.20	-0.23	2537.10	-510.11	-510.04	2537.02	15.32
1	2	248	0.65	-0.55	-0.51	0.61	-0.20	2106.67	599.33	616.38	2089.62	-159.43
1	2	249	1.90	-0.33	1.88	-0.31	0.19	2287.35	-144.87	-128.57	2271.04	-198.46
1	2	250	2.05	0.99	2.05	0.99	-5.28e-02	2288.99	183.22	183.24	2288.96	-7.09
1	2	251	-0.29	-0.99	-0.98	-0.29	3.93e-02	2105.47	389.07	402.17	2092.37	149.39
1	2	252	-0.27	-1.96	-0.37	-1.86	0.40	1799.04	1371.43	1374.32	1796.15	-35.04
1	2	253	1.24	-2.60	1.04	-2.39	0.87	1987.62	773.99	798.90	1962.71	-172.08
1	2	254	-1.09	-1.99	-1.18	-1.90	-0.27	1883.31	796.43	806.40	1873.34	103.61
1	2	255	-0.52	-1.03	-0.55	-1.00	-0.12	1881.38	1233.91	1249.59	1865.70	99.53
1	2	256	-1.03	-2.99	-1.16	-2.86	0.49	1792.58	727.85	729.88	1790.55	-46.41
1	2	257	0.63	-0.55	-0.52	0.60	0.19	2104.92	599.69	616.97	2087.64	160.34
1	2	258	1.73	-5.87	0.91	-5.05	2.36	1929.61	-118.52	-94.82	1905.91	-219.05
1	2	259	2.04	1.01	2.04	1.01	6.50e-02	2291.48	185.49	185.52	2291.46	7.32
1	2	260	-0.29	-0.97	-0.96	-0.29	-5.57e-02	2108.06	390.08	402.84	2095.29	-147.53
1	2	261	6.61	-7.38	5.82	-6.58	3.23	2328.04	-1670.22	-1633.25	2291.07	-382.70
1	2	262	8.15	0.79	8.15	0.79	0.14	2754.80	-3230.29	-3207.12	2731.63	-371.72
1	2	263	-1.08	-1.99	-1.17	-1.90	0.27	1883.17	796.24	806.25	1873.15	-103.85
1	2	264	24.78	9.62	24.73	9.67	-0.85	3179.26	-3622.35	-3621.76	3178.66	63.81
1	2	265	-1.03	-2.99	-1.17	-2.86	-0.49	1792.43	727.95	729.98	1790.40	46.44
1	2	266	11.63	5.65	10.63	6.66	2.24	2662.86	-2485.49	-2435.22	2612.59	506.27
1	2	267	1.72	-5.88	0.89	-5.04	-2.38	1929.34	-118.37	-94.60	1905.56	219.35
1	2	268	10.97	-1.21	10.79	-1.02	-1.48	2216.14	-393.62	-283.64	2106.17	524.32
1	2	269	8.25	-2.97	7.95	-2.67	-1.79	2236.66	1383.04	1997.98	1621.72	383.11
1	2	270	6.71	-7.29	5.90	-6.48	-3.27	2327.50	-1671.64	-1634.41	2290.27	384.05
1	2	271	8.21	0.52	8.21	0.52	-0.12	2763.73	-3220.17	-3198.77	2742.33	357.24
1	2	272	6.06	-1.75	5.98	-1.67	-0.80	3833.16	1337.20	3810.96	1359.40	234.35
1	2	273	24.42	9.84	24.35	9.91	1.01	3189.38	-3607.19	-3606.63	3188.82	-61.39
1	2	274	5.12	-0.88	5.10	-0.87	-0.32	5136.33	1206.63	5130.75	1212.22	148.07
1	2	275	11.84	5.70	10.81	6.73	-2.30	2665.48	-2482.11	-2432.67	2616.05	-502.03
1	2	276	4.77	-0.33	4.77	-0.33	-0.12	5961.40	1163.97	5960.65	1164.73	60.15
1	2	277	10.89	-1.29	10.71	-1.10	1.49	2218.38	-388.24	-282.15	2112.30	-515.05
1	2	278	4.65	0.18	4.64	0.18	-0.13	6308.02	1196.05	6307.88	1196.19	-26.36
1	2	279	8.20	-2.96	7.89	-2.65	1.84	2241.74	1373.12	1997.40	1617.45	-390.56
1	2	280	4.46	0.94	4.43	0.98	-0.36	6157.15	1309.56	6154.23	1312.47	-118.81
1	2	281	6.03	-1.74	5.94	-1.64	0.84	3838.07	1329.36	3814.03	1353.40	-244.38

1	2	282	4.03	1.91	3.75	2.19	-0.73	5481.62	1502.42	5468.08	1515.96	-231.70
1	2	283	5.12	-0.89	5.10	-0.87	0.32	5134.69	1208.55	5129.28	1213.97	-145.65
1	2	284	4.78	-0.33	4.77	-0.33	0.12	5960.59	1165.12	5959.86	1165.86	-59.38
1	32	1	79.58	-2.45	11.14	66.00	-30.49	-110.15	-4595.35	-2744.99	-1960.51	2208.04
1	32	2	-12.99	-109.75	-108.93	-13.80	-8.82	-2001.08	-6368.93	-6351.17	-2018.83	277.90
1	32	3	-13.26	-105.87	-105.87	-13.26	-0.78	-395.06	-1923.18	-1922.00	-396.24	-42.49
1	32	4	10.18	-55.54	-53.11	7.74	12.42	-827.55	-2950.77	-2808.93	-969.40	-530.14
1	32	5	31.50	-4.96	2.40	24.13	14.64	-122.81	-2279.02	-1559.11	-842.72	-1016.86
1	32	6	32.81	-33.35	14.18	-14.72	29.76	27.94	-1389.24	-453.81	-907.50	-671.30
1	32	7	70.76	-2.18	68.61	-3.03e-02	12.34	-2036.56	-3586.83	-3338.66	-2284.73	-568.46
1	32	8	103.78	19.02	103.69	19.11	2.74	-1911.32	-2328.92	-2202.53	-2037.71	-191.85
1	32	9	129.46	6.99	129.15	7.30	-6.15	-3848.68	-6532.86	-6505.17	-3876.37	271.21
1	32	10	47.75	-54.68	21.46	-28.38	-44.74	741.94	-1998.16	-45.92	-1210.30	1240.20
1	32	21	-76.61	-221.19	-81.69	-216.11	26.63	2703.01	-3979.83	-2691.78	1414.97	2636.04
1	32	22	87.06	-128.79	-125.30	83.56	27.25	-1370.46	-6809.26	-6734.21	-1445.51	634.46
1	32	23	55.14	-137.99	-137.99	55.14	0.41	-1343.75	-2369.50	-2199.18	-1514.08	-381.71
1	32	24	46.57	-60.86	-60.77	46.48	-3.15	146.90	-2819.28	-1829.20	-843.18	-1398.75
1	32	25	-33.53	-110.15	-36.60	-107.08	-15.03	1353.11	-1862.96	-1209.29	699.44	-1294.20
1	32	26	160.39	83.41	83.54	160.25	-3.20	678.38	-1763.35	194.09	-1279.07	-973.63
1	32	27	94.58	-37.76	91.92	-35.10	18.56	1774.24	-1442.32	-1439.17	1771.08	-100.70
1	32	28	148.90	-37.80	148.34	-37.24	-10.27	2540.26	-625.84	-541.13	2455.54	510.92
1	32	29	195.75	-67.45	183.25	-54.96	-55.97	2877.92	-4754.49	-4751.39	2874.82	153.76
1	32	30	248.49	94.46	98.99	243.96	-26.02	2112.38	-2937.11	1580.47	-2405.20	1550.14
1	32	31	34.31	-129.15	-75.07	-19.78	-76.91	6638.97	-5118.58	-213.47	1733.86	5797.58
1	32	32	21.39	-77.00	-71.57	15.97	22.46	7959.62	-3124.57	3417.36	1417.68	5451.16
1	32	33	5.94	-68.24	-66.19	3.88	12.17	8208.35	-1878.08	5209.88	1120.39	4610.11
1	32	34	2.36	-84.33	-83.24	1.27	9.65	7944.88	-1176.78	6014.25	753.85	3726.02
1	32	35	1.21	-97.83	-97.25	0.63	7.59	7490.32	-616.46	6215.11	658.75	2951.56
1	32	36	0.93	-107.45	-107.11	0.58	6.08	6733.49	-205.17	5942.94	585.37	2204.62
1	32	37	0.53	-114.55	-114.39	0.37	4.32	5711.98	145.24	5286.86	570.35	1478.44
1	32	38	0.37	-119.21	-119.17	0.33	2.17	4305.21	422.01	4152.57	574.65	754.60
1	32	39	-0.32	-121.86	-121.85	-0.32	-0.53	2659.42	561.20	2658.62	562.00	41.11
1	32	40	-1.73	-126.49	-126.48	-1.74	-1.07	1185.13	22.13	698.20	509.07	-573.76
1	32	41	-37.58	-101.13	-98.32	-40.39	13.06	937.95	-2547.94	-1975.53	365.54	-1291.39
1	32	42	-44.43	-127.62	-115.63	-56.42	-29.22	1615.05	-3107.85	-1836.53	343.72	2094.77
1	32	43	9.94	-136.85	-136.84	9.93	1.36	2004.64	-1426.07	-107.55	686.13	1668.82
1	32	44	-1.29	-136.68	-136.67	-1.29	-0.70	1917.38	-151.51	1236.02	529.85	972.32
1	32	45	2.61	-125.20	-124.99	2.41	-5.12	1625.91	652.78	1625.50	653.20	-20.14
1	32	46	8.84	-118.31	-117.99	8.52	-6.32	1755.25	269.28	1281.21	743.31	-692.60
1	32	47	-30.21	-106.20	-103.31	-33.10	14.53	1408.91	-880.53	-14.65	543.03	-1110.24
1	32	48	-3.21	-109.00	-106.42	-5.79	-16.32	2021.80	118.12	1226.72	913.21	938.85
1	32	49	5.69	-96.52	-96.46	5.63	2.46	1901.31	653.96	1885.48	669.79	-139.63
1	32	50	1.00	-89.70	-89.50	0.81	-4.22	2266.56	281.25	1937.42	610.39	-738.32
1	32	51	4.56	-86.40	-85.56	3.73	-8.69	2362.50	-562.72	1133.97	665.81	-1443.75
1	32	52	-15.10	-83.74	-75.93	-22.91	21.80	1419.21	-2139.31	-829.14	109.04	-1716.31
1	32	53	-7.35	-58.82	-56.12	-10.05	-11.47	1218.55	673.66	1186.65	705.55	-127.91
1	32	54	1.11	-45.06	-45.03	1.08	-1.24	2379.79	153.10	1962.98	569.91	-868.55
1	32	55	0.11	-36.71	-36.04	-0.55	-4.91	3152.26	-400.02	2150.22	602.02	-1598.58
1	32	56	9.82	-37.54	-34.27	6.55	-12.01	3662.50	-1252.99	1618.76	790.75	-2422.62
1	32	57	21.97	-60.00	-33.31	-4.72	38.41	3289.74	-2520.72	-201.96	970.97	-2845.42
1	32	58	62.38	-66.47	57.35	-61.44	24.96	4252.96	-53.15	766.14	3433.66	-1690.19
1	32	59	13.91	-17.98	5.64	-9.70	-13.98	2795.45	-884.19	167.63	1743.63	-1662.52
1	32	60	21.23	-12.64	-5.26	13.85	-13.98	1763.64	-1348.51	-82.10	497.24	-1528.88
1	32	61	61.51	-61.82	-58.61	58.30	19.63	31.44	-3030.86	-991.00	-2008.42	-1444.18
1	32	62	49.41	-24.25	36.78	-11.62	27.76	2380.64	-2675.04	803.57	-1097.97	-2342.22
1	32	63	38.88	-8.94	35.51	-5.58	-12.23	2114.06	-2180.73	431.01	-497.68	-2096.59
1	32	64	36.21	-0.36	35.28	0.58	-5.77	1744.99	-1755.16	244.29	-254.46	-1732.22
1	32	65	42.64	-3.18	42.49	-3.02	-2.64	1391.56	-1662.85	-10.98	-260.31	-1522.11
1	32	66	32.65	10.04	32.53	10.15	1.61	816.69	-1503.68	-268.04	-418.95	-1157.73
1	32	67	89.92	-19.62	89.50	-19.20	6.78	41.64	-2278.95	-1414.86	-822.45	-1121.85
1	32	68	78.38	-8.14	77.46	-7.22	-8.88	250.90	-1174.77	-445.01	-478.87	-712.64
1	32	69	85.69	-0.83	85.54	-0.68	-3.62	463.84	-504.49	177.63	-218.29	-441.85
1	32	70	89.93	-6.20	89.93	-6.20	0.56	591.76	-445.39	438.08	-291.71	-368.47
1	32	71	80.35	20.85	76.70	24.51	-14.29	978.60	-359.61	972.11	-353.12	92.94
1	32	72	133.13	-13.35	132.25	-12.47	11.32	-466.10	-2103.90	-1354.39	-1215.61	-815.96
1	32	73	105.42	-13.16	104.33	-12.08	-11.28	-70.77	-810.83	-466.66	-414.94	-369.12
1	32	74	112.22	-3.18	112.06	-3.02	-4.27	-111.55	-411.03	-322.80	-199.78	-136.52
1	32	75	124.59	1.42	124.59	1.42	0.40	99.41	-616.42	-442.21	-74.80	307.17
1	32	76	102.16	-14.30	102.07	-14.20	3.34	-155.54	-1417.78	-1043.24	-530.08	576.61
1	32	77	126.56	9.89	123.34	13.11	-19.11	-92.35	-1411.10	-821.72	-681.73	655.65
1	32	78	151.55	-28.15	151.23	-27.82	7.63	-1512.51	-3913.77	-3818.70	-1607.58	468.23
1	32	79	111.13	-17.10	109.29	-15.26	-15.26	311.88	-2475.00	-1555.60	-607.51	1310.33
1	32	80	112.28	-2.67	112.26	-2.65	-1.57	1596.18	-1959.23	-97.43	-265.62	1775.71
1	32	81	113.98	-0.56	113.95	-0.52	2.00	2581.73	-1752.53	1010.06	-180.85	2083.72
1	32	82	111.45	-0.67	111.27	-0.49	4.48	3470.38	-1709.64	1933.57	-172.83	2366.21
1	32	83	105.82	-1.08	105.43	-0.69	6.44	4150.01	-1823.48	2514.60	-188.07	2663.56

1	32	84	97.56	-1.25	96.93	-0.62	7.86	4648.42	-2016.64	2874.85	-243.07	2945.41
1	32	85	86.96	-1.78	85.95	-0.77	9.39	5085.77	-2295.13	3094.48	-303.84	3276.02
1	32	86	74.82	-3.94	73.08	-2.20	11.56	5349.17	-2819.96	3155.75	-626.54	3620.39
1	32	87	81.76	-3.95	79.52	-1.71	13.67	5710.61	-3071.81	3404.25	-765.45	3864.72
1	32	88	86.54	-17.94	46.64	21.95	-50.76	6432.28	-3605.59	4281.79	-1455.09	4118.47
1	32	89	94.12	-111.82	-108.82	91.12	-24.70	189.97	-4569.97	-823.86	-3556.14	1948.82
1	32	90	31.22	-23.56	-6.80	14.46	25.24	3287.69	-1860.32	477.15	950.22	2563.11
1	32	91	26.74	-40.72	9.99	-23.97	29.15	5351.32	-1506.11	749.59	3095.63	3221.82
1	32	92	117.81	-123.13	106.73	-112.06	-50.46	7768.14	-303.76	1692.46	5771.91	3482.58
1	32	93	53.73	-112.57	-91.31	32.46	-55.54	-2358.91	-7725.94	-4870.46	-5214.39	2678.00
1	32	94	-21.01	-131.34	-101.17	-51.19	-49.18	4664.95	-4675.60	317.85	-328.50	4659.08
1	32	95	10.55	-70.60	-67.76	7.71	14.91	7659.46	-2263.01	4762.89	633.56	4511.21
1	32	96	-11.89	-107.06	-106.86	-12.09	4.35	7743.56	-1605.94	6142.20	-4.58	3522.44
1	32	97	-10.32	-123.55	-123.44	-10.42	3.39	7576.10	-991.55	6499.15	85.40	2840.26
1	32	98	-9.16	-135.28	-135.21	-9.23	2.84	7103.81	-563.84	6420.13	119.84	2185.12
1	32	99	-8.74	-144.75	-144.72	-8.77	1.99	6278.04	-269.66	5869.55	138.84	1583.61
1	32	100	-7.97	-151.11	-151.10	-7.98	0.81	4995.60	-49.80	4789.59	156.21	998.49
1	32	101	-6.21	-153.06	-153.04	-6.23	-1.59	3457.65	161.18	3405.52	213.31	411.25
1	32	102	17.20	-133.83	-132.66	16.03	-13.21	1590.82	406.93	1539.96	457.79	-240.05
1	32	103	-79.86	-160.31	-151.50	-88.67	25.12	-427.00	-1732.80	-1597.35	-562.45	-398.15
1	32	104	-128.16	-266.42	-212.89	-181.68	-67.34	-1426.54	-4255.32	-4216.24	-1465.62	330.18
1	32	105	49.17	-119.11	-117.83	47.88	14.63	1776.74	-1744.02	-483.62	516.34	1687.89
1	32	106	-8.62	-154.86	-154.79	-8.68	3.14	1575.32	-480.63	1060.70	33.99	890.62
1	32	107	-6.44	-159.63	-159.60	-6.47	-2.05	1818.43	-117.84	1696.24	4.35	470.81
1	32	108	-11.61	-150.08	-149.91	-11.78	-4.83	1882.76	57.09	1860.61	79.24	-199.88
1	32	109	28.04	-125.30	-125.08	27.81	-5.90	1510.48	-267.16	989.82	253.51	-808.99
1	32	110	-90.88	-188.46	-176.51	-102.83	32.00	-130.51	-964.61	-895.58	-199.53	-229.81
1	32	111	-34.75	-117.52	-115.75	-36.52	-11.97	1246.87	-65.99	866.29	314.59	595.66
1	32	112	13.42	-101.90	-101.31	12.83	8.20	2092.37	258.71	2085.06	266.03	115.59
1	32	113	-6.07	-118.81	-118.80	-6.08	-1.00	2377.56	62.58	2230.65	209.49	-564.36
1	32	114	-4.07	-109.68	-109.42	-4.33	-5.24	2278.68	-349.88	1667.36	261.43	-1110.48
1	32	115	-29.68	-102.18	-101.42	-30.44	7.38	1212.17	-1479.72	-54.88	-212.67	-1343.63
1	32	116	-81.04	-204.53	-144.97	-140.60	61.70	-781.17	-2750.58	-2723.18	-808.57	-230.68
1	32	117	-1.05	-38.09	-37.85	-1.29	2.96	1534.87	454.36	1491.54	497.70	-212.01
1	32	118	3.41	-48.24	-47.97	3.14	3.69	2677.06	-106.66	2334.14	236.26	-914.87
1	32	119	-3.18	-54.54	-54.52	-3.20	-1.04	3215.58	-580.21	2420.35	215.03	-1544.71
1	32	120	11.38	-34.83	-32.16	8.71	-10.78	3425.62	-1234.04	1868.18	323.40	-2198.07
1	32	121	-22.54	-85.49	-58.55	-49.48	31.15	1811.86	-2344.84	-384.81	-148.17	-2074.98
1	32	122	31.87	-64.96	-51.86	18.76	33.12	-1725.51	-4050.21	-2798.72	-2976.99	-1158.93
1	32	123	34.15	-35.42	-1.88	0.61	-34.76	1751.16	499.82	794.46	1456.53	530.92
1	32	124	114.52	46.13	100.44	60.21	-27.65	3514.73	-596.92	361.81	2556.00	-1738.62
1	32	125	32.29	-8.79	4.27	19.23	-19.13	2690.27	-737.83	-14.81	1967.25	-1398.51
1	32	126	7.87	-37.34	-9.33	-20.15	-21.95	1463.68	-1513.90	-306.59	256.36	-1461.94
1	32	127	-36.89	-78.79	-70.13	-45.55	-16.97	965.93	-2308.35	-306.55	-1035.86	-1596.01
1	32	128	41.28	-33.35	-9.31	17.25	-34.87	-64.38	-2204.02	-116.86	-2151.53	-330.98
1	32	129	59.29	-23.22	57.18	-21.12	13.00	3799.14	201.87	1242.68	2758.32	-1631.19
1	32	130	77.71	15.13	47.31	45.53	31.27	2593.30	-1269.30	1205.26	118.74	-1853.32
1	32	131	28.38	-18.32	22.82	-12.76	-15.12	1893.21	-2214.75	214.16	-535.70	-2019.47
1	32	132	49.80	2.62	49.77	2.65	-1.18	1378.70	-1709.97	3.44	-334.71	-1535.05
1	32	133	49.83	1.29	49.78	1.33	-1.40	1006.30	-1276.90	-74.66	-195.94	-1139.99
1	32	134	73.90	27.63	69.04	32.49	-14.19	581.73	-1396.69	-481.18	-333.77	-986.46
1	32	135	82.78	26.85	81.74	27.89	-7.56	284.81	-3729.77	-2205.76	-1239.20	-1948.24
1	32	136	90.29	37.97	89.25	39.01	7.30	923.55	-1589.16	-908.52	242.90	-1116.68
1	32	137	105.94	0.46	105.46	0.93	-7.08	340.80	-1143.10	-445.69	-356.60	-740.61
1	32	138	112.98	6.21	112.98	6.21	0.23	322.88	-549.44	25.54	-252.11	-413.47
1	32	139	105.75	-11.31	105.75	-11.31	0.42	506.09	-223.56	503.63	-221.10	42.28
1	32	140	159.14	57.03	152.41	63.76	-25.34	776.24	-336.57	775.34	-335.67	31.70
1	32	141	110.61	16.27	110.36	16.52	-4.84	-131.56	-2359.12	-1298.89	-1191.78	-1112.49
1	32	142	110.55	-21.00	110.01	-20.47	-8.37	-19.74	-1074.34	-880.93	-213.14	-408.12
1	32	143	144.61	14.65	144.55	14.71	-2.83	-170.93	-521.39	-510.67	-181.64	-60.34
1	32	144	151.14	7.08	151.14	7.08	-0.85	251.93	-787.90	-476.20	-59.77	476.40
1	32	145	146.06	8.18	146.04	8.20	1.56	287.33	-1105.68	-763.47	-54.88	599.66
1	32	146	156.05	-20.68	155.06	-19.70	-13.14	562.27	-1276.98	-630.83	-83.88	878.02
1	32	147	184.81	46.51	184.71	46.61	3.63	-513.71	-3026.24	-2052.96	-1486.98	1223.98
1	32	148	110.56	-25.71	109.70	-24.85	-10.79	-1410.98	-3317.75	-3284.55	-1444.19	-249.41
1	32	149	135.61	13.19	135.41	13.40	-4.99	294.55	-1902.81	-1481.42	-126.83	865.08
1	32	150	149.76	9.20	149.76	9.20	-9.59e-02	1206.14	-1321.57	92.74	-208.18	1254.87
1	32	151	148.18	8.59	148.17	8.61	1.25	2305.90	-1264.32	1217.88	-176.30	1643.37
1	32	152	142.51	9.12	142.47	9.16	2.29	3198.50	-1363.95	1981.51	-146.96	2017.77
1	32	153	133.67	9.22	133.59	9.30	3.15	3913.47	-1562.81	2482.79	-132.13	2405.82
1	32	154	122.48	9.97	122.36	10.09	3.69	4536.11	-1843.76	2799.18	-106.82	2839.80
1	32	155	108.53	10.85	108.33	11.05	4.37	5021.46	-2184.77	2862.52	-25.83	3301.03
1	32	156	75.25	-17.10	72.73	-14.57	15.06	5440.30	-3090.02	3088.42	-738.14	3811.95
1	32	157	216.14	57.98	143.19	130.93	-78.84	6990.65	-636.96	4934.21	1419.49	3384.79
1	32	158	107.23	-56.70	84.82	-34.29	-56.32	8633.56	1299.19	4568.78	5363.97	3645.56
1	32	159	93.49	-61.58	22.94	8.97	77.22	-1699.46	-4524.67	-1699.61	-4524.52	-20.60

1	32	160	-84.11	-181.85	-161.84	-104.12	39.44	1554.33	-3880.41	-298.92	-2027.16	2576.32
1	32	161	13.72	-68.79	-10.14	-44.93	37.41	2635.70	-2208.48	-247.10	674.32	2377.87
1	32	162	55.95	-23.25	8.23	24.46	38.76	5135.44	-1260.73	230.85	3643.86	2704.74
1	32	163	194.07	77.67	171.13	100.61	46.30	6393.99	-1421.59	627.76	4344.64	3437.59
1	32	164	41.03	-70.22	-3.82	-25.37	54.57	2731.75	939.76	1199.79	2471.72	-631.16
1	32	165	13.12	-32.87	-18.91	-0.84	21.15	6310.91	-630.45	4648.06	1032.40	2962.66
1	32	166	28.28	-34.17	-2.54	-3.35	31.22	5180.75	-1725.96	3133.31	321.47	3154.21
1	32	167	20.37	-35.70	-15.27	-6.11e-02	26.99	6659.49	-969.74	4528.35	1161.41	3423.04
1	32	168	28.56	-35.97	-10.07	2.65	31.64	6525.33	-1233.99	3884.42	1406.91	3676.58
1	32	169	39.44	-24.22	5.58	9.63	31.77	6176.64	-1073.53	3093.21	2009.89	3584.39
1	32	170	-28.50	-58.17	-42.36	-44.31	14.81	1029.51	-2495.35	-180.05	-1285.78	-1673.47
1	32	171	9.26	-22.42	-9.71	-3.46	-15.53	1738.50	-1242.69	244.65	251.15	-1490.59
1	32	172	21.73	-12.97	15.50	-6.74	-13.32	2271.67	-1639.93	891.51	-259.78	-1869.17
1	32	173	22.95	-8.14	10.66	4.16	-15.20	2959.91	-500.11	627.18	1832.62	-1621.63
1	32	174	29.99	-7.56	22.92	-0.50	-14.68	2114.36	-1397.08	635.22	82.06	-1733.80
1	32	175	47.19	24.24	35.47	35.96	11.47	3833.12	-735.94	763.09	2334.09	-2145.24
1	32	176	39.97	-1.24	36.61	2.11	-11.28	1855.53	-1239.28	471.61	144.64	-1538.75
1	32	177	55.62	6.38	54.17	7.83	-8.33	1502.51	-1759.56	-215.69	-41.36	-1628.71
1	32	178	41.14	24.58	35.83	29.89	7.73	152.02	-2767.68	-1901.42	-714.24	-1333.72
1	32	179	10.40	-22.51	-16.06	3.95	-13.06	3303.24	-1048.12	833.07	1422.05	-2155.65
1	32	180	7.33	-27.95	-21.32	0.69	-13.79	2972.97	-387.99	1423.86	1161.12	-1675.34
1	32	181	50.02	-10.57	46.69	-7.23	-13.82	544.43	-652.99	-93.59	-14.97	-597.42
1	32	182	7.24	-37.70	-33.96	3.50	-12.41	2312.37	97.42	1232.65	1177.14	-1107.12
1	32	183	52.55	-3.39	49.89	-0.74	-11.90	910.94	-208.15	505.77	197.01	-537.82
1	32	184	9.02	-39.03	-32.79	2.78	-16.15	1708.69	-2.00	314.47	1392.22	-664.25
1	32	185	64.35	-3.31e-02	63.30	1.02	-8.15	1106.72	-158.13	829.14	119.44	-523.49
1	32	186	-20.63	-40.41	-21.73	-39.31	-4.54	3033.49	-481.77	-307.63	2859.34	-762.77
1	32	187	69.43	-3.12	67.37	-1.06	-12.06	728.87	-897.60	194.33	-363.06	-763.99
1	32	188	55.41	43.35	49.94	48.82	6.00	-566.86	-2112.09	-1426.72	-1252.24	-767.67
1	32	189	2.97	-56.43	-55.04	1.58	-8.97	2263.57	-432.14	515.26	1316.18	-1286.99
1	32	190	39.65	-39.54	38.51	-38.40	9.45	-729.35	-1043.51	-1042.36	-730.51	19.02
1	32	191	2.36	-58.13	-56.55	0.78	-9.64	2017.39	398.90	1217.48	1198.80	-809.19
1	32	192	70.64	-9.20	69.62	-8.18	-8.98	-29.72	-149.75	-137.63	-41.84	-36.16
1	32	193	5.20	-68.73	-67.84	4.31	-8.06	1641.22	839.55	1154.70	1326.07	-391.57
1	32	194	66.45	-2.87	65.92	-2.34	-6.02	251.32	39.72	39.98	251.06	7.42
1	32	195	24.01	-56.30	-51.42	19.13	-19.18	1834.68	782.02	787.28	1829.42	-74.26
1	32	196	-42.94	-59.27	-48.64	-53.56	-7.78	3306.07	498.76	502.85	3301.98	-107.11
1	32	197	80.59	-4.38	80.32	-4.10	4.83	231.14	-718.12	-515.17	28.19	389.18
1	32	198	11.46	-64.51	-64.34	11.29	3.64	2165.92	152.49	357.27	1961.14	-608.58
1	32	199	80.95	-19.20	80.06	-18.31	-9.38	-725.77	-2244.50	-2242.59	-727.68	-53.85
1	32	200	1.14	-84.37	-83.85	0.63	-6.59	1593.17	400.07	596.56	1396.68	-442.52
1	32	201	73.66	51.83	73.30	52.19	2.78	-1206.96	-4236.60	-4232.22	-1211.34	115.05
1	32	202	0.83	-78.62	-78.15	0.35	-6.10	1231.07	910.62	910.62	1231.07	1.72e-02
1	32	203	64.26	-38.11	62.14	-35.99	14.59	-88.79	-3620.29	-2898.87	-810.21	1423.81
1	32	204	81.85	-10.70	81.60	-10.45	-4.81	926.93	-2090.21	-983.42	-179.85	1454.08
1	32	205	3.89	-89.19	-88.55	3.25	-7.69	2025.06	-1173.62	-562.25	1413.69	1257.70
1	32	206	70.99	-2.29	70.93	-2.23	-2.07	1992.64	-1493.03	404.02	95.60	1736.00
1	32	207	25.78	-53.71	-48.40	20.47	-19.85	2616.10	-2174.83	-1710.75	2152.02	1417.05
1	32	208	68.14	0.34	67.91	0.57	3.99	2935.30	-1325.23	1467.26	142.80	2024.72
1	32	209	-39.30	-72.31	-39.98	-71.63	-4.70	4001.78	-2371.44	-2313.36	3943.69	605.64
1	32	210	67.15	9.09e-02	66.02	1.22	8.63	3912.05	-1384.27	2405.57	122.20	2389.42
1	32	211	5.63	-72.75	-71.61	4.50	9.36	1920.27	-1719.27	-1696.21	1897.21	-288.79
1	32	212	64.77	-0.57	62.41	1.79	12.20	4672.62	-1566.99	3003.60	102.03	2761.96
1	32	213	-0.51	-90.11	-90.07	-0.55	1.91	1408.26	99.59	118.20	1389.64	-154.97
1	32	214	61.10	-1.94	56.91	2.25	15.71	5265.81	-1800.44	3381.09	84.27	3125.02
1	32	215	-5.85e-02	-79.66	-79.48	-0.24	3.77	2132.20	956.21	1914.41	1174.01	456.83
1	32	216	55.85	-4.09	48.89	2.86	19.20	5681.80	-2083.30	3551.98	46.52	3464.41
1	32	217	-1.30	-74.18	-73.71	-1.77	5.86	3803.17	617.46	3362.31	1058.32	1100.04
1	32	218	-0.70	-70.39	-69.24	-1.85	8.90	5232.36	269.49	4490.98	1010.87	1769.10
1	32	219	0.40	-65.99	-63.77	-1.83	11.95	6255.81	-102.32	5138.04	1015.44	2420.23
1	32	220	-38.84	-81.42	-63.95	-56.31	-20.94	2942.95	-3967.02	1414.41	-2438.48	2868.05
1	32	221	2.24	-60.55	-56.37	-1.95	15.66	6977.50	-515.23	5385.30	1076.96	3065.09
1	32	222	6.22	-53.71	-45.95	-1.55	20.13	7409.07	-1001.25	5186.02	1221.80	3708.72
1	32	223	17.31	-40.52	-15.87	-7.34	28.60	3758.16	-1942.50	1722.26	93.40	2731.49
1	32	224	42.45	-17.66	20.57	4.22	28.92	5914.18	-842.91	2071.23	3000.04	3346.47
1	32	225	99.59	42.26	75.83	66.02	-28.24	7776.91	-1453.42	2191.97	4131.52	4512.12
1	32	226	17.21	-39.85	16.71	-39.35	5.32	-420.76	-1759.38	-1475.63	-704.52	-547.11
1	32	227	13.30	-29.20	-29.16	13.25	1.32	2630.51	-829.11	-88.79	1890.19	-1418.85
1	32	228	68.91	-0.71	68.88	-0.67	-1.61	494.07	-405.43	-165.94	254.57	397.58
1	32	229	0.36	-80.33	-79.95	-2.39e-02	-5.53	1792.75	-32.84	520.00	1239.92	838.82
1	32	230	50.27	-8.12	40.55	1.60	21.75	5855.10	-2362.96	3628.03	-135.90	3652.72
1	32	231	39.65	-16.05	31.56	-7.95	19.63	5872.50	-2721.40	3771.34	-620.24	3693.55
1	32	232	14.38	-47.69	-35.11	1.80	24.95	7498.64	-1550.95	4369.29	1578.40	4304.24
1	32	233	25.98	-33.20	-25.17	17.95	20.26	7282.77	-2302.56	2697.22	2282.99	4788.19
1	32	234	15.86	-22.50	-1.14	-5.50	-19.05	2154.11	-933.48	735.12	485.51	-1538.74
1	32	235	21.58	-16.49	2.37	2.71	-19.03	2817.86	-563.58	880.23	1374.05	-1672.59

1	32	236	25.34	-17.47	8.49	-0.62	-20.91	2326.07	-786.96	870.02	669.09	-1553.27
1	32	237	27.94	-14.27	12.51	1.16	-20.33	2198.23	-868.68	557.10	772.45	-1529.67
1	32	238	25.56	-15.80	10.03	-0.27	-20.03	1825.62	-1315.51	-177.40	687.51	-1509.85
1	32	239	26.59	-3.28	15.56	7.75	-14.42	1746.90	-1358.94	-707.27	1095.23	-1264.64
1	32	240	17.07	-10.61	12.14	-5.68	-10.59	1208.92	-969.07	-630.67	870.52	-788.99
1	32	241	18.34	-23.25	-5.40	0.50	-20.59	2664.63	-493.11	1000.10	1171.41	-1576.55
1	32	242	19.11	-23.44	-7.23	2.91	-20.66	2409.45	-396.89	759.91	1252.65	-1381.37
1	32	243	19.30	-14.53	11.93	-7.16	-13.96	1155.85	-296.91	27.18	831.76	-604.81
1	32	244	24.86	-10.92	15.23	-1.29	-15.87	1359.04	133.45	668.61	823.89	-607.86
1	32	245	18.89	-19.95	-6.07	5.00	-18.61	2302.56	-439.23	212.50	1650.83	-1167.12
1	32	246	26.25	-9.06	16.63	0.57	-15.72	1467.57	61.86	772.77	756.67	-702.81
1	32	247	5.07	-18.96	-6.60	-7.30	-12.01	2298.15	-782.11	-295.86	1811.91	-1123.09
1	32	248	24.72	-13.58	13.52	-2.38	-17.42	1170.81	-409.06	241.70	520.05	-777.58
1	32	249	6.71	-14.77	-10.40	2.35	-8.64	2312.00	-530.56	-157.24	1938.68	-960.12
1	32	250	26.21	3.99	18.75	11.45	-10.49	1172.34	-408.12	-220.70	984.92	-510.96
1	32	251	17.03	-6.49	16.60	-6.06	-3.15	741.59	-324.38	-316.70	733.91	-90.13
1	32	252	7.80	-26.53	-18.72	-1.69e-02	-14.40	1837.12	216.28	769.48	1283.93	-768.51
1	32	253	6.92	-21.21	-13.82	-0.47	-12.38	2010.86	-149.45	327.30	1534.11	-895.90
1	32	254	19.43	-9.58	18.24	-8.38	-5.77	822.78	18.47	30.91	810.35	99.23
1	32	255	12.06	-27.48	-19.90	4.49	-15.56	1837.01	434.52	913.74	1357.79	-665.16
1	32	256	23.31	-4.73	21.65	-3.07	-6.63	958.98	118.47	210.79	866.66	262.82
1	32	257	14.51	-26.31	-18.55	6.76	-16.02	1971.86	464.39	657.84	1778.41	-504.18
1	32	258	24.48	-2.99	23.71	-2.22	-4.54	1110.94	-185.69	-7.27	932.53	446.66
1	32	259	-7.36	-25.08	-21.15	-11.28	-7.36	1859.99	166.29	255.43	1770.85	-378.20
1	32	260	2.54	-23.04	-22.95	2.45	-1.52	2030.77	245.05	267.49	2008.32	-198.95
1	32	261	27.00	-4.33	26.33	-3.65	-4.55	989.81	-790.80	-782.21	981.22	123.38
1	32	262	26.81	-6.87	23.56	-3.63	-9.94	836.16	-1919.54	-1915.07	831.70	110.87
1	32	263	0.22	-28.16	-27.22	-0.71	-5.07	1576.59	367.41	377.75	1566.25	-111.33
1	32	264	36.82	19.80	35.87	20.75	-3.91	1522.04	-2482.16	-2424.79	1464.67	475.87
1	32	265	-1.09	-31.18	-29.66	-2.62	-6.60	1381.79	396.14	435.31	1342.62	192.54
1	32	266	27.11	-2.62	25.32	-0.83	7.08	1324.75	-2320.21	-2000.92	1005.45	1030.47
1	32	267	-0.52	-30.57	-28.93	-2.16	-6.82	1614.93	-120.23	108.70	1386.01	587.21
1	32	268	27.85	-8.46	27.48	-8.09	3.64	1711.53	-1400.69	-654.70	965.53	1328.60
1	32	269	26.32	-4.20	26.13	-4.00	2.43	2295.54	-738.56	777.39	779.58	1517.05
1	32	270	4.68	-26.29	-23.99	2.38	-8.11	1846.82	-787.79	-685.71	1744.74	508.47
1	32	271	10.51	-23.11	-20.80	8.20	-8.50	2425.37	-1640.13	-1536.80	2322.04	639.83
1	32	272	24.91	-2.36	23.31	-0.76	6.41	3214.67	-550.61	1998.75	665.31	1760.63
1	32	273	-7.39	-14.87	-14.79	-7.47	0.76	2503.95	-2017.27	-1940.79	2427.47	583.03
1	32	274	26.30	-4.92	21.36	1.75e-02	11.39	4250.65	-683.07	2987.76	579.81	2153.10
1	32	275	9.72	-22.01	-20.78	8.49	6.13	2528.53	-1413.77	-1342.62	2457.37	524.84
1	32	276	29.88	-7.80	21.16	0.92	15.89	5000.41	-853.31	3597.20	549.90	2499.00
1	32	277	0.39	-27.55	-26.30	-0.86	5.78	1940.69	-362.31	-186.49	1764.87	611.56
1	32	278	33.38	-12.51	19.47	1.40	21.09	5618.31	-1127.54	3933.88	556.89	2919.87
1	32	279	-1.77	-28.64	-27.52	-2.89	5.38	2215.53	351.17	1264.07	1302.63	931.98
1	32	280	37.08	-17.64	17.00	2.43	26.37	5985.12	-1370.07	4012.65	602.40	3258.41
1	32	281	0.16	-28.76	-26.52	-2.07	7.73	3462.71	280.65	2653.37	1089.99	1385.76
1	32	282	37.83	-23.66	12.13	2.03	30.33	6079.08	-1547.03	3897.22	634.83	3446.54
1	32	283	3.48	-29.11	-24.17	-1.46	11.68	4703.45	6.92	3711.27	999.10	1917.12
1	32	284	7.45	-30.54	-22.03	-1.06	15.84	5629.23	-294.67	4353.35	981.21	2435.22
1	34	1	67.67	1.76	13.81	55.62	-25.48	-284.96	-4657.47	-3033.05	-1909.38	2112.83
1	34	2	-5.99	-104.26	-104.00	-6.25	-5.07	-1840.33	-6057.15	-6051.19	-1846.29	158.42
1	34	3	-20.07	-103.52	-103.41	-20.18	2.94	-451.93	-1718.95	-1700.72	-470.15	-150.87
1	34	4	-0.21	-58.62	-54.44	-4.40	15.07	-968.68	-2618.57	-2438.59	-1148.67	-514.35
1	34	5	40.33	-8.84	0.72	30.77	19.46	16.92	-2262.15	-1334.07	-911.15	-1119.74
1	34	6	29.19	-24.77	12.50	-8.09	24.94	77.83	-1282.55	-228.78	-975.94	-568.42
1	34	7	68.45	-13.34	67.28	-12.17	9.69	-2079.83	-3352.53	-2968.34	-2464.01	-584.26
1	34	8	106.12	12.37	106.11	12.38	-0.99	-1940.36	-2151.09	-1981.52	-2109.93	-83.54
1	34	9	134.89	14.27	134.04	15.12	-10.09	-3640.81	-6264.65	-6204.93	-3700.53	391.30
1	34	10	51.56	-66.19	24.14	-38.77	-49.77	651.14	-2144.18	-333.89	-1159.15	1335.36
1	34	21	-53.74	-189.20	-55.79	-187.15	16.56	2530.46	-4158.98	-3127.46	1498.94	2415.83
1	34	22	94.90	-117.27	-117.27	94.90	0.60	-797.69	-6299.90	-6018.96	-1078.64	1211.15
1	34	23	48.11	-144.45	-141.29	44.94	-24.47	-1694.07	-2474.82	-2413.19	-1755.69	210.51
1	34	24	32.40	-78.76	-73.83	27.47	-22.89	-825.99	-2738.59	-2223.82	-1340.77	-848.27
1	34	25	-51.84	-140.86	-58.97	-133.74	-24.15	1541.81	-1817.00	-892.55	617.35	-1500.15
1	34	26	134.07	60.70	61.18	133.59	5.92	785.38	-1635.72	510.83	-1361.16	-767.69
1	34	27	89.11	-64.36	78.86	-54.12	38.30	1404.43	-1964.73	-1833.78	1273.48	-651.19
1	34	28	146.13	-48.53	145.03	-47.43	14.63	2215.83	-757.94	-755.71	2213.60	-81.44
1	34	29	194.78	-47.28	191.19	-43.69	-29.27	3265.47	-4062.27	-4037.65	3240.85	-424.00
1	34	30	274.62	123.18	124.88	272.92	-15.95	1889.25	-3065.61	1144.87	-2321.24	1770.36
1	34	31	33.09	-120.87	-57.16	-30.63	-75.83	5700.74	-5833.85	-1594.06	1460.95	5561.33
1	34	32	19.36	-74.85	-69.90	14.41	21.03	7052.81	-3650.75	2136.33	1265.72	5334.05
1	34	33	3.97	-69.56	-67.86	2.28	11.04	7340.75	-2374.44	3929.49	1036.82	4637.28
1	34	34	1.93	-82.61	-81.56	0.88	9.37	7155.00	-1588.26	4863.35	703.39	3845.10
1	34	35	1.25	-93.54	-92.89	0.61	7.80	6771.77	-909.10	5243.84	618.83	3066.14
1	34	36	1.09	-101.93	-101.52	0.69	6.48	6176.51	-438.96	5186.81	550.74	2359.63
1	34	37	0.67	-107.79	-107.59	0.46	4.73	5357.04	-21.39	4798.71	536.94	1640.49

1	34	38	0.68	-110.74	-110.69	0.63	2.37	4408.64	324.76	4186.31	547.09	926.57
1	34	39	1.13	-109.69	-109.67	1.12	-1.37	3135.28	558.04	3118.98	574.34	204.31
1	34	40	5.32e-02	-119.35	-119.17	-0.13	-4.64	1656.07	375.44	1454.66	576.85	-466.23
1	34	41	-8.47	-125.71	-124.47	-9.71	11.96	2004.10	-1021.94	23.17	958.99	-1438.85
1	34	42	-51.33	-112.22	-80.49	-83.05	-30.42	624.83	-4266.86	-3428.90	-213.13	1843.06
1	34	43	7.36	-130.93	-130.91	7.34	-1.78	1824.56	-1836.60	-637.11	625.06	1718.36
1	34	44	-1.39	-131.86	-131.86	-1.39	8.21e-02	1927.76	-415.33	1021.43	491.00	1141.13
1	34	45	3.10	-117.16	-116.99	2.94	-4.40	1892.74	630.47	1879.43	643.78	128.94
1	34	46	11.72	-113.45	-112.61	10.88	-10.20	2184.13	512.64	1939.92	756.85	-590.39
1	34	47	1.56	-127.38	-126.18	0.37	12.37	2915.29	139.67	1886.62	1168.34	-1340.54
1	34	48	-26.84	-83.21	-76.87	-33.18	-17.81	941.83	-741.48	-218.14	418.48	779.14
1	34	49	4.75	-95.88	-95.87	4.74	-0.89	1585.43	643.89	1585.13	644.20	-17.00
1	34	50	0.61	-89.57	-89.38	0.43	-4.04	2352.69	431.05	2151.13	632.61	-588.82
1	34	51	7.76	-85.31	-84.23	6.68	-9.96	2837.52	-95.24	1953.03	789.25	-1345.98
1	34	52	-0.32	-89.87	-85.92	-4.27	18.38	2653.41	-1070.14	1027.29	555.98	-1846.80
1	34	53	-16.82	-42.36	-34.47	-24.70	-11.80	567.02	87.91	271.29	383.64	-232.88
1	34	54	6.95e-02	-46.19	-45.89	-0.24	-3.75	2483.66	255.35	2156.68	582.33	-788.47
1	34	55	0.18	-37.84	-36.90	-0.76	-5.90	3630.88	-66.72	2875.99	688.16	-1490.44
1	34	56	11.18	-39.14	-35.01	7.05	-13.80	4297.18	-788.81	2584.45	923.92	-2403.64
1	34	57	30.04	-65.31	-45.23	9.97	38.87	4103.69	-1823.08	989.01	1291.60	-2959.52
1	34	58	63.06	-73.67	55.88	-66.49	30.49	4803.10	29.00	1183.31	3648.80	-2044.10
1	34	59	14.27	-22.28	6.31	-14.32	-15.09	3395.05	-604.60	522.27	2268.17	-1799.24
1	34	60	16.93	-12.29	-4.60	9.24	-12.87	2088.99	-794.49	272.67	1021.83	-1392.23
1	34	61	54.97	-61.81	-60.08	53.24	14.10	65.74	-2432.74	-573.74	-1793.26	-1090.32
1	34	62	43.36	-15.44	24.85	3.07	27.30	3232.56	-2015.39	1994.52	-777.35	-2228.11
1	34	63	37.34	-7.64	34.77	-5.08	-10.43	2807.65	-1775.38	1396.72	-364.46	-2115.56
1	34	64	35.08	-0.29	34.42	0.37	-4.78	2327.22	-1525.59	970.03	-168.40	-1840.38
1	34	65	41.63	-4.34	41.63	-4.34	-0.13	1584.00	-1649.15	182.68	-247.83	-1602.18
1	34	66	54.25	-4.56	54.18	-4.50	1.94	113.63	-2037.92	-1183.43	-740.86	-1052.77
1	34	67	80.79	-1.83	79.51	-0.56	10.19	1105.31	-1039.20	441.61	-375.50	-991.37
1	34	68	79.48	-4.96	78.79	-4.27	-7.61	898.12	-879.35	374.16	-355.39	-810.43
1	34	69	85.83	-1.22	85.66	-1.06	-3.79	758.02	-562.69	391.33	-196.00	-591.46
1	34	70	90.66	-7.25	90.51	-7.09	3.92	470.66	-623.52	164.26	-317.11	-491.30
1	34	71	107.70	-4.34	106.22	-2.86	-12.80	-345.75	-974.36	-472.58	-847.53	252.27
1	34	72	111.33	19.02	109.32	21.03	13.47	794.81	-837.19	547.30	-589.67	-585.39
1	34	73	110.18	-10.18	109.72	-9.72	-7.40	452.94	-661.11	192.80	-400.97	-471.31
1	34	74	120.26	-2.69	120.06	-2.49	-4.99	155.37	-432.88	-68.54	-208.97	-285.62
1	34	75	129.40	1.32	129.39	1.32	-0.38	-80.34	-689.61	-656.45	-113.49	138.20
1	34	76	108.30	-17.09	107.96	-16.76	6.46	-361.60	-1801.33	-1572.23	-590.70	526.65
1	34	77	160.48	-15.28	158.61	-13.40	-18.07	-745.74	-2907.58	-2414.94	-1238.38	906.82
1	34	78	125.36	2.37	124.77	2.97	8.56	-664.45	-2163.60	-1817.70	-1010.35	631.59
1	34	79	117.70	-14.80	116.65	-13.75	-11.73	541.08	-1879.76	-798.35	-540.33	1203.52
1	34	80	124.46	-1.25	124.46	-1.25	-0.73	1696.54	-1587.33	363.21	-254.00	1612.67
1	34	81	122.45	-0.25	122.42	-0.23	1.81	2429.33	-1593.75	1043.91	-208.32	1911.62
1	34	82	118.22	-0.53	118.08	-0.39	4.07	2973.64	-1734.10	1445.71	-206.18	2204.21
1	34	83	111.35	-0.91	111.02	-0.58	6.04	3465.02	-1929.12	1758.59	-222.68	2508.55
1	34	84	101.86	-1.21	101.29	-0.64	7.65	3844.78	-2224.43	1903.45	-283.10	2830.82
1	34	85	88.67	-2.20	87.63	-1.16	9.68	4154.02	-2565.00	1943.48	-354.46	3156.92
1	34	86	73.49	-5.89	71.41	-3.81	12.68	4401.34	-3235.82	1875.44	-709.93	3593.12
1	34	87	83.82	-5.90	81.21	-3.29	15.09	4865.09	-3659.22	2123.28	-917.41	3981.78
1	34	88	96.18	-20.49	64.57	11.13	-51.86	5518.19	-4344.71	2901.16	-1727.68	4354.61
1	34	89	101.40	-111.95	-107.38	96.83	-30.89	122.69	-5164.45	-1314.71	-3727.04	2352.36
1	34	90	35.95	-24.67	-8.45	19.73	26.84	3019.78	-2444.23	54.29	521.25	2722.01
1	34	91	25.51	-35.87	8.34	-18.69	27.56	4775.18	-1782.16	326.37	2666.65	3062.75
1	34	92	116.95	-115.12	108.18	-106.35	-44.26	7185.12	-383.61	1200.50	5601.01	3079.01
1	34	93	57.88	-117.56	-84.47	24.79	-68.64	-2945.43	-8477.31	-5860.10	-5562.64	2761.94
1	34	94	-36.60	-157.85	-117.12	-77.32	-57.27	3597.16	-5271.67	-1059.06	-615.45	4428.87
1	34	95	5.73	-73.45	-71.40	3.68	12.58	6670.27	-2723.08	3413.34	533.85	4470.56
1	34	96	-11.00	-104.97	-104.78	-11.18	4.20	6855.42	-1966.15	4912.49	-23.22	3655.77
1	34	97	-9.89	-118.64	-118.52	-10.01	3.63	6765.69	-1263.55	5441.58	60.56	2979.66
1	34	98	-9.13	-129.69	-129.61	-9.21	3.13	6424.63	-775.28	5561.65	87.70	2338.52
1	34	99	-9.05	-138.59	-138.54	-9.09	2.29	5806.68	-438.38	5267.69	100.61	1753.72
1	34	100	-8.46	-144.69	-144.68	-8.47	1.18	4928.10	-162.56	4635.64	129.90	1184.59
1	34	101	-6.68	-146.72	-146.71	-6.69	-1.22	3790.19	99.22	3691.68	197.73	594.89
1	34	102	20.12	-121.78	-119.09	17.42	-19.37	2411.64	522.70	2403.13	531.21	-126.51
1	34	103	-40.12	-103.78	-103.35	-40.56	5.26	717.16	-793.73	-15.81	-60.76	-755.11
1	34	104	-152.66	-328.14	-254.35	-226.45	-86.62	-1903.75	-5352.05	-5332.12	-1923.68	-261.37
1	34	105	48.64	-122.99	-122.51	48.16	9.08	1573.10	-2633.20	-1559.59	499.49	1833.93
1	34	106	-5.69	-145.67	-145.53	-5.83	4.33	1463.01	-736.15	702.60	24.26	1045.96
1	34	107	-7.40	-153.85	-153.84	-7.41	-0.86	1949.70	-230.86	1714.76	4.08	676.10
1	34	108	-14.49	-147.41	-147.33	-14.57	-3.33	2281.91	110.88	2281.19	111.60	-39.52
1	34	109	27.20	-107.91	-106.69	25.98	-12.78	2418.11	53.82	2233.00	238.94	-635.13
1	34	110	-48.99	-127.04	-125.18	-50.85	11.88	1349.06	-336.04	618.08	394.94	-835.13
1	34	111	-67.56	-166.96	-156.44	-78.08	-30.58	0.95	-446.03	-343.30	-101.79	188.06
1	34	112	15.62	-106.36	-106.29	15.55	3.00	1577.64	174.56	1530.00	222.20	254.10
1	34	113	-6.15	-115.87	-115.86	-6.15	0.60	2507.78	118.69	2431.98	194.48	-418.72

1	34	114	5.93e-02	-106.29	-105.79	-0.43	-7.23	2770.37	-59.47	2399.75	311.15	-954.69
1	34	115	-28.60	-83.66	-83.49	-28.77	-3.11	2465.44	-1025.30	1493.22	-53.08	-1564.79
1	34	116	-62.73	-150.84	-114.33	-99.25	43.40	165.49	-1952.24	-1490.73	-296.02	-874.28
1	34	117	-26.35	-67.58	-65.03	-28.90	-9.93	1245.83	15.83	1009.68	251.98	-484.46
1	34	118	2.56	-51.36	-51.36	2.56	0.11	2747.68	-69.08	2484.16	194.44	-820.26
1	34	119	-3.13	-52.79	-52.78	-3.15	-0.83	3801.67	-317.22	3218.70	265.75	-1435.73
1	34	120	13.54	-32.11	-27.50	8.93	-13.76	4098.49	-804.02	2899.78	394.69	-2107.08
1	34	121	-8.60	-58.58	-40.90	-26.28	23.90	2698.89	-1841.26	766.03	91.60	-2244.89
1	34	122	27.67	-62.22	-56.51	21.96	21.92	-1254.53	-3501.64	-2017.90	-2738.26	-1064.26
1	34	123	22.85	-31.06	8.26	-16.46	-23.96	1281.07	126.50	186.95	1220.62	257.16
1	34	124	97.69	39.26	86.14	50.80	-23.27	3895.82	-674.56	446.17	2775.09	-1966.25
1	34	125	32.17	-10.91	6.30	14.97	-21.10	3340.74	-587.73	168.84	2584.16	-1549.12
1	34	126	5.88	-37.59	-7.30	-24.41	-19.98	1777.78	-1027.70	-123.16	873.23	-1311.29
1	34	127	-43.76	-95.64	-84.44	-54.96	-21.35	880.93	-1919.79	-222.12	-816.74	-1368.43
1	34	128	46.18	-45.18	0.82	0.18	-45.68	-722.41	-2389.39	-724.38	-2387.42	-57.23
1	34	129	60.05	-25.43	52.54	-17.92	24.20	4303.49	717.08	2023.49	2997.07	-1725.87
1	34	130	105.41	28.28	64.96	68.72	38.52	3314.73	-600.11	2356.11	358.51	-1683.41
1	34	131	30.88	-15.93	27.48	-12.54	-12.14	2667.80	-1886.45	1245.77	-464.43	-2110.48
1	34	132	51.56	2.67	51.52	2.71	-1.40	1990.26	-1472.41	801.79	-283.93	-1644.03
1	34	133	46.51	0.64	46.40	0.75	2.19	1163.30	-1325.74	75.35	-237.79	-1234.63
1	34	134	41.90	4.83	41.86	4.88	-1.30	-31.95	-1510.54	-963.03	-579.46	-713.98
1	34	135	114.90	66.72	112.38	69.25	10.74	460.49	-2160.43	-973.30	-726.64	-1304.65
1	34	136	111.64	36.22	107.19	40.67	17.79	1424.43	-382.28	639.65	402.50	-895.54
1	34	137	109.34	4.58	109.09	4.83	-5.09	934.37	-954.31	286.94	-306.88	-896.45
1	34	138	115.93	6.11	115.91	6.13	-1.37	591.41	-631.25	227.18	-267.02	-559.16
1	34	139	101.05	-8.88	100.76	-8.59	5.63	-13.97	-302.03	-51.16	-264.85	-96.59
1	34	140	112.19	21.68	111.69	22.19	-6.73	-125.88	-1060.21	-434.25	-751.83	439.35
1	34	141	164.10	66.07	161.66	68.51	15.28	458.17	-841.30	214.29	-597.42	-507.38
1	34	142	128.37	-22.32	128.35	-22.31	-1.50	719.96	-584.39	363.01	-227.44	-581.53
1	34	143	147.26	11.77	147.12	11.91	-4.33	103.62	-341.81	-89.02	-149.17	-220.67
1	34	144	156.90	6.12	156.88	6.14	-2.03	77.31	-594.69	-457.31	-60.07	271.01
1	34	145	155.29	11.04	155.28	11.04	0.37	97.34	-1282.88	-1120.97	-64.57	444.14
1	34	146	150.84	-19.69	150.50	-19.35	-7.63	182.36	-1989.96	-1706.84	-100.75	731.34
1	34	147	147.00	-1.80	143.39	1.82	22.90	-640.86	-4473.33	-3169.81	-1944.39	1815.64
1	34	148	158.25	22.73	157.64	23.34	9.05	-928.64	-1718.41	-1703.42	-943.63	107.78
1	34	149	148.86	14.73	148.85	14.74	1.10	468.11	-1138.50	-617.42	-52.97	752.10
1	34	150	156.09	8.73	156.09	8.73	-0.48	1190.88	-1035.27	379.26	-223.65	1071.47
1	34	151	154.61	8.11	154.60	8.11	0.89	2019.77	-1158.14	1064.22	-202.59	1457.25
1	34	152	148.68	8.81	148.65	8.84	1.99	2603.81	-1409.18	1379.86	-185.22	1847.61
1	34	153	139.25	9.25	139.19	9.31	2.86	3153.49	-1693.45	1624.30	-164.27	2252.44
1	34	154	127.38	10.40	127.28	10.50	3.44	3663.09	-2053.36	1741.49	-131.76	2700.40
1	34	155	110.61	11.75	110.41	11.96	4.52	4071.02	-2482.50	1632.84	-44.31	3167.64
1	34	156	72.41	-21.93	69.08	-18.60	17.40	4512.86	-3611.78	1738.99	-837.90	3852.58
1	34	157	187.65	44.37	127.23	104.79	-70.76	6157.82	-1467.96	3557.34	1132.52	3614.99
1	34	158	104.41	-54.72	91.65	-41.96	-43.22	7930.77	664.10	3579.16	5015.72	3561.63
1	34	159	85.91	-46.01	13.02	26.88	65.60	-1018.44	-4260.32	-1043.32	-4235.44	282.88
1	34	160	-76.90	-163.36	-145.87	-94.39	34.73	1679.51	-4248.50	-403.80	-2165.18	2830.14
1	34	161	15.38	-69.62	-12.92	-41.32	40.06	2397.34	-2725.05	-454.56	126.85	2544.65
1	34	162	54.61	-21.08	5.44	28.08	36.11	4526.61	-1406.77	23.45	3096.39	2537.82
1	34	163	212.54	84.88	187.09	110.33	51.00	6042.77	-1313.22	522.98	4206.57	3183.62
1	34	164	55.66	-76.87	-13.74	-7.48	66.19	3346.68	1270.00	1855.94	2760.73	-934.61
1	34	165	14.08	-30.38	-14.91	-1.39	21.17	5577.66	-971.47	3708.97	897.22	2957.41
1	34	166	26.50	-36.10	-2.71	-6.89	31.23	4385.89	-2142.69	1998.90	244.30	3144.19
1	34	167	20.33	-34.25	-12.63	-1.28	26.69	5836.70	-1401.69	3428.44	1006.56	3410.60
1	34	168	27.15	-35.58	-8.48	4.74e-02	31.08	5766.36	-1845.05	2694.76	1226.55	3734.23
1	34	169	37.53	-26.01	5.42	6.10	31.77	5540.22	-1648.70	1958.56	1932.97	3594.44
1	34	170	-25.15	-46.86	-35.89	-36.11	10.86	1554.65	-1879.92	687.96	-1013.23	-1491.83
1	34	171	8.13	-23.14	-9.92	-5.08	-15.45	2139.85	-681.19	909.40	549.26	-1398.97
1	34	172	21.86	-9.90	15.34	-3.37	-12.83	3010.89	-1213.61	1803.24	-5.96	-1908.74
1	34	173	22.27	-9.30	10.44	2.54	-15.28	3474.95	-53.12	1291.38	2130.45	-1713.42
1	34	174	26.61	-6.74	20.75	-0.88	-12.69	2707.83	-1125.04	1307.33	275.46	-1845.68
1	34	175	58.51	27.58	41.94	44.15	15.42	4496.65	-258.53	1631.31	2606.82	-2327.02
1	34	176	35.93	-5.87	33.24	-3.19	-10.24	2147.71	-1240.13	639.05	268.53	-1683.76
1	34	177	40.31	-10.28	36.37	-6.34	-13.56	1474.63	-1807.40	-334.03	1.26	-1632.43
1	34	178	34.51	30.10	32.74	31.88	-2.16	-72.26	-1918.62	-1431.95	-558.94	-813.47
1	34	179	13.50	-22.39	-16.21	7.32	-13.55	3826.54	-406.21	1744.62	1675.70	-2116.09
1	34	180	8.17	-31.35	-23.49	0.31	-15.77	3331.85	118.34	2095.65	1354.54	-1563.44
1	34	181	54.08	-6.29	51.15	-3.36	-12.98	1234.71	-418.77	721.41	94.53	-765.02
1	34	182	2.71	-41.84	-37.33	-1.81	-13.45	2313.81	387.07	1399.86	1301.01	-962.10
1	34	183	54.23	-2.99	52.33	-1.09	-10.26	1225.67	-254.15	729.21	242.32	-698.71
1	34	184	-8.55	-53.42	-50.59	-11.39	-10.91	1721.00	-90.03	196.09	1434.88	-660.53
1	34	185	65.06	-5.62	64.34	-4.90	-7.08	1080.51	-395.78	587.06	97.67	-696.41
1	34	186	-22.85	-39.30	-24.83	-37.32	5.35	3506.77	-330.29	161.84	3014.64	-1283.02
1	34	187	54.73	-26.11	50.28	-21.65	-18.45	391.69	-1133.14	-284.35	-457.11	-757.50
1	34	188	57.95	43.91	51.75	50.11	-6.97	-1074.43	-1363.30	-1195.66	-1242.07	-142.56
1	34	189	7.12	-52.26	-50.59	5.45	-9.82	2498.35	257.53	1330.24	1425.63	-1119.40

1	34	190	63.25	-15.10	63.13	-14.98	3.09	-168.56	-627.75	-169.44	-626.87	20.09
1	34	191	2.68	-56.36	-54.12	0.44	-11.28	1998.20	686.60	1440.80	1243.99	-648.37
1	34	192	80.03	-2.84	79.21	-2.02	-8.19	645.87	-66.36	590.25	-10.74	-191.11
1	34	193	-0.36	-68.48	-67.23	-1.61	-9.13	1400.43	807.88	904.33	1303.99	-218.74
1	34	194	73.25	-1.67	72.86	-1.28	-5.39	384.33	71.74	244.01	212.06	-155.48
1	34	195	0.86	-70.86	-68.52	-1.49	-12.76	1739.28	303.40	307.93	1734.75	-80.54
1	34	196	-43.70	-55.49	-46.82	-52.36	5.21	3504.08	536.93	729.86	3311.15	-731.59
1	34	197	82.73	-9.83	82.41	-9.51	5.42	-16.17	-1141.76	-1080.93	-77.00	254.51
1	34	198	35.96	-41.08	-39.77	34.64	9.99	2379.40	886.76	1203.01	2063.16	-609.94
1	34	199	65.92	-42.88	63.48	-40.44	-16.13	-903.27	-2880.06	-2879.76	-903.57	24.29
1	34	200	7.45	-74.94	-74.27	6.79	-7.38	1668.00	1084.00	1324.52	1427.48	-287.43
1	34	201	81.16	47.19	77.29	51.06	-10.80	-1100.89	-4318.90	-4120.35	-1299.43	774.27
1	34	202	2.04	-71.85	-71.23	1.42	-6.73	1320.54	985.73	1114.43	1191.83	162.87
1	34	203	91.48	-14.81	90.99	-14.32	7.18	233.49	-2940.48	-1977.41	-729.59	1459.20
1	34	204	95.35	-1.30	95.19	-1.14	-3.90	1115.51	-1454.17	-165.32	-173.34	1284.83
1	34	205	-1.37	-87.28	-86.47	-2.18	-8.29	1940.02	-1760.45	-1128.45	1308.02	1392.58
1	34	206	81.97	-0.34	81.97	-0.34	-7.47e-02	2027.36	-1195.32	813.09	18.96	1561.65
1	34	207	0.75	-67.38	-64.78	-1.85	-13.05	2357.23	-2725.48	-2344.33	1976.08	1338.65
1	34	208	77.80	1.02	77.56	1.26	4.31	2792.45	-1215.07	1521.90	55.49	1864.79
1	34	209	-33.87	-74.86	-35.89	-72.84	8.87	3872.63	-2253.13	-2252.74	3872.24	-48.76
1	34	210	74.40	0.37	73.48	1.30	8.23	3415.88	-1439.11	1942.84	33.92	2231.98
1	34	211	29.72	-46.83	-42.99	25.89	16.70	2008.34	-818.56	-780.56	1970.34	-325.54
1	34	212	70.03	-0.41	68.01	1.61	11.75	3978.41	-1699.85	2269.72	8.84	2604.38
1	34	213	8.84	-76.50	-76.49	8.83	1.03	1393.46	935.95	936.43	1392.99	14.66
1	34	214	64.66	-1.98	60.79	1.89	15.59	4421.92	-2008.68	2430.93	-17.68	2973.09
1	34	215	1.72	-68.50	-68.45	1.67	1.79	2591.00	830.85	2324.04	1097.82	631.37
1	34	216	57.74	-4.88	50.76	2.10	19.71	4736.77	-2367.47	2440.51	-71.22	3322.70
1	34	217	-0.60	-64.53	-64.05	-1.09	5.54	3949.45	438.17	3416.38	971.23	1259.99
1	34	218	-0.37	-63.18	-61.78	-1.78	9.30	4949.49	0.81	4027.81	922.49	1926.55
1	34	219	0.60	-60.78	-58.16	-2.02	12.40	5773.89	-447.34	4404.26	922.29	2577.77
1	34	220	-42.45	-94.94	-72.61	-64.78	-25.95	2285.69	-4597.10	361.23	-2672.64	3089.03
1	34	221	2.24	-57.04	-52.49	-2.31	15.78	6357.79	-947.64	4435.15	975.00	3217.01
1	34	222	5.46	-51.85	-44.08	-2.31	19.62	6716.48	-1537.50	4074.70	1104.28	3850.48
1	34	223	18.81	-40.14	-16.79	-4.53	28.83	3284.30	-2507.09	885.72	-108.52	2852.70
1	34	224	42.70	-16.03	19.64	7.03	28.68	5334.97	-1302.54	1234.25	2798.18	3225.32
1	34	225	86.08	38.60	67.18	57.50	-23.24	7025.09	-1989.58	1138.10	3897.41	4291.00
1	34	226	32.90	-20.27	32.89	-20.26	0.73	47.20	-1013.33	-445.74	-520.40	-528.95
1	34	227	33.11	-13.73	-12.97	32.35	5.92	3052.38	-36.99	941.09	2074.30	-1437.01
1	34	228	73.30	-1.34	73.28	-1.32	-1.17	305.09	-410.44	-312.24	206.89	246.21
1	34	229	-0.20	-76.03	-75.56	-0.67	-5.97	1854.10	-288.44	373.64	1192.02	990.04
1	34	230	50.94	-10.56	40.56	-0.19	23.03	4912.37	-2773.13	2422.93	-283.70	3596.56
1	34	231	36.46	-21.26	28.96	-13.76	19.40	4919.38	-3250.64	2511.72	-842.98	3724.76
1	34	232	11.91	-47.01	-35.09	-8.65e-03	23.67	6742.75	-2148.39	3164.17	1430.19	4360.21
1	34	233	20.80	-36.38	-27.73	12.15	20.49	6516.15	-3018.30	1437.42	2060.43	4757.03
1	34	234	16.28	-21.49	-2.15	-3.06	-18.88	2765.51	-466.64	1539.85	759.01	-1568.21
1	34	235	22.56	-16.05	1.36	5.15	-19.21	3309.53	22.97	1684.99	1647.51	-1643.17
1	34	236	22.85	-17.91	6.22	-1.28	-20.03	2885.20	-453.57	1499.09	932.54	-1645.17
1	34	237	23.92	-18.03	9.24	-3.35	-20.01	2602.36	-611.80	914.57	1075.99	-1605.05
1	34	238	23.04	-16.92	8.75	-2.63	-19.15	2111.15	-905.84	139.91	1065.40	-1435.77
1	34	239	24.08	2.65e-02	14.46	9.65	-11.79	1886.15	-821.70	-195.14	1259.59	-1141.95
1	34	240	15.61	-7.29	11.29	-2.97	-8.96	1258.17	-355.37	91.25	811.56	-721.92
1	34	241	17.88	-25.71	-7.67	-0.16	-21.47	3020.16	44.49	1629.62	1435.02	-1484.65
1	34	242	15.39	-27.50	-10.50	-1.61	-20.98	2661.23	12.58	1117.50	1556.31	-1306.02
1	34	243	21.29	-10.00	13.73	-2.44	-13.39	1461.51	79.66	703.93	837.24	-687.70
1	34	244	25.08	-10.30	16.98	-2.20	-14.86	1634.42	182.89	936.50	880.81	-725.23
1	34	245	17.77	-22.47	-7.35	2.65	-19.49	2729.18	-170.69	529.76	2028.72	-1241.21
1	34	246	25.53	-13.31	17.93	-5.70	-15.41	1550.38	-39.27	626.71	884.40	-784.31
1	34	247	8.14	-21.23	-7.69	-5.39	-14.64	2621.50	-428.96	216.28	1976.26	-1245.77
1	34	248	25.18	-14.45	16.71	-5.97	-16.25	1180.99	-342.13	108.23	730.63	-695.08
1	34	249	10.02	-16.22	-11.25	5.06	-10.28	2441.82	2.57	564.69	1879.70	-1027.21
1	34	250	26.41	8.62	22.46	12.56	-7.39	1100.59	-151.95	-19.54	968.17	-385.12
1	34	251	20.78	-2.99	20.70	-2.90	-1.43	492.69	224.18	225.47	491.40	-18.58
1	34	252	8.42	-26.32	-16.97	-0.93	-15.40	1857.72	520.52	1037.37	1340.87	-651.15
1	34	253	11.41	-19.18	-12.02	4.24	-12.95	2127.80	415.81	1004.03	1539.58	-813.04
1	34	254	25.78	-2.50	24.71	-1.43	-5.39	675.53	600.61	603.47	672.67	14.37
1	34	255	7.77	-28.16	-18.61	-1.78	-15.88	1811.55	440.98	767.24	1485.29	-583.71
1	34	256	28.28	-2.01	27.02	-0.75	-6.03	844.36	411.41	462.55	793.21	139.74
1	34	257	13.45	-25.62	-15.35	3.18	-17.20	2194.41	318.38	524.35	1988.44	-586.50
1	34	258	29.21	-4.30	28.72	-3.81	-4.03	977.13	-274.60	-181.81	884.33	327.95
1	34	259	-2.71	-24.85	-17.45	-10.11	-10.45	1927.53	283.54	455.37	1755.70	-502.95
1	34	260	6.03	-19.29	-18.87	5.61	-3.23	1836.08	737.82	808.75	1765.16	-269.94
1	34	261	30.47	-10.33	30.01	-9.87	-4.31	984.37	-1205.85	-1204.57	983.08	52.97
1	34	262	31.37	-9.66	29.59	-7.88	-8.36	921.51	-2230.59	-2216.58	907.50	209.65
1	34	263	7.30	-21.82	-20.77	6.25	-5.44	1429.85	948.32	949.79	1428.39	-26.52
1	34	264	42.93	19.32	42.92	19.33	-0.18	1448.64	-2399.78	-2283.02	1331.88	660.08
1	34	265	1.69	-26.28	-24.29	-0.30	-7.20	1407.49	548.95	687.29	1269.15	315.64

1	34	266	35.01	-2.65	32.77	-0.40	8.92	1123.11	-1923.01	-1450.00	650.10	1103.22
1	34	267	-1.37	-26.31	-23.93	-3.75	-7.33	1631.15	-360.00	-66.43	1337.58	705.94
1	34	268	38.28	-1.04	37.86	-0.61	4.06	1642.24	-930.74	-27.08	738.58	1228.21
1	34	269	35.80	-0.45	35.48	-0.13	3.38	2365.47	-481.33	1249.21	634.93	1389.87
1	34	270	-0.36	-23.75	-20.26	-3.86	-8.34	1859.86	-1219.25	-1106.22	1746.83	579.01
1	34	271	8.28	-19.10	-14.72	3.90	-10.03	2466.40	-1905.73	-1837.34	2398.01	542.50
1	34	272	33.52	-0.92	32.15	0.45	6.73	3109.74	-543.99	2024.68	541.07	1669.48
1	34	273	-5.16	-11.19	-7.53	-8.81	-2.95	2336.10	-1836.49	-1797.34	2296.95	402.30
1	34	274	32.78	-3.69	28.90	0.18	11.24	3835.58	-833.73	2541.68	460.17	2089.84
1	34	275	9.63	-14.10	-13.31	8.83	4.27	2163.29	-857.25	-794.06	2100.10	432.28
1	34	276	34.25	-6.65	26.91	0.68	15.69	4438.36	-1134.70	2877.62	426.03	2502.43
1	34	277	7.85	-17.11	-15.90	6.64	5.37	1887.73	90.53	440.87	1537.39	711.96
1	34	278	36.06	-11.75	23.47	0.84	21.06	4903.78	-1487.30	2994.71	421.78	2925.15
1	34	279	1.96	-19.12	-18.15	0.99	4.43	2545.75	349.67	1736.92	1158.51	1059.27
1	34	280	38.64	-17.80	19.63	1.21	26.67	5175.56	-1815.28	2912.77	447.51	3270.87
1	34	281	1.93	-20.48	-17.68	-0.86	7.40	3529.71	115.05	2678.70	966.06	1477.05
1	34	282	38.27	-25.13	13.72	-0.58	30.88	5152.35	-1990.00	2707.73	454.62	3388.82
1	34	283	5.13	-23.04	-16.61	-1.30	11.83	4384.06	-239.73	3264.86	879.47	1980.49
1	34	284	8.91	-26.49	-16.28	-1.30	16.04	5046.14	-554.42	3634.25	857.47	2431.86
1	47	1	25.90	6.09	16.35	15.64	9.90	-1018.75	-1782.14	-1251.78	-1549.11	351.55
1	47	2	21.93	-2.55	21.80	-2.43	-1.75	-3037.79	-6428.73	-6428.73	-3037.80	3.21
1	47	3	12.85	3.76	11.54	5.07	-3.19	-1289.27	-2111.90	-2094.64	-1306.53	117.88
1	47	4	17.22	3.07	16.70	3.59	-2.67	-1699.27	-3141.33	-3132.75	-1707.84	110.89
1	47	5	17.19	-6.38	9.38	1.43	-11.10	-867.06	-956.23	-935.87	-887.42	-37.43
1	47	6	12.10	2.06	7.54	6.62	5.00	-667.88	-1304.64	-1122.99	-849.53	287.53
1	47	7	7.18	-1.54	-0.93	6.58	-2.21	-1506.61	-3093.22	-3089.60	-1510.23	75.71
1	47	8	2.30	-14.29	-14.22	2.22	1.12	-1108.66	-2076.79	-2074.04	-1111.41	-51.54
1	47	9	-2.04	-6.49	-2.75	-5.79	1.62	-2882.11	-6484.19	-6484.04	-2882.26	-23.43
1	47	10	25.45	14.37	15.56	24.27	-3.42	-914.61	-2193.61	-1479.60	-1628.62	-635.14
1	47	21	49.87	-6.45	13.47	29.95	26.93	-75.18	-903.86	-337.10	-641.95	385.28
1	47	22	73.09	-22.55	43.81	6.73	44.08	911.51	-5701.03	-5696.01	906.50	182.02
1	47	23	24.81	2.12	22.68	4.25	6.61	815.77	-1383.71	-1276.32	708.39	-473.98
1	47	24	31.76	-2.74	27.27	1.76	-11.61	810.02	-1787.84	-1631.80	653.98	-617.28
1	47	25	49.83	33.10	34.12	48.80	-4.01	-404.62	-464.55	-415.24	-453.93	22.88
1	47	26	20.64	6.51	17.36	9.79	5.97	22.66	-797.37	-664.74	-109.97	301.94
1	47	27	17.02	2.95	6.51	13.46	6.11	657.61	-1838.69	-1555.16	374.08	792.07
1	47	28	18.47	-14.42	-11.68	15.73	-9.09	439.51	-1567.53	-1411.12	283.10	538.02
1	47	29	60.84	-28.50	12.53	19.81	-44.52	450.98	-5945.52	-5940.28	445.75	-182.88
1	47	30	23.20	-32.86	-1.50	-8.17	-27.83	238.95	-1284.49	-683.68	-361.87	-744.53
1	47	31	6.82	-14.49	-10.93	3.27	-7.95	2413.64	-45.68	2325.33	42.63	457.58
1	47	32	11.58	4.57	9.83	6.32	3.03	3580.55	175.26	3507.74	248.08	492.60
1	47	33	8.28	0.69	8.22	0.75	-0.71	4199.51	161.59	4182.01	179.09	265.29
1	47	34	7.31	9.33e-02	7.23	0.18	-0.78	4505.45	181.22	4505.39	181.28	-15.45
1	47	35	7.87	-5.67e-02	7.75	6.44e-02	-0.97	4490.23	161.94	4481.51	170.66	-194.13
1	47	36	8.18	-0.31	8.06	-0.19	-1.00	4185.04	123.78	4142.90	165.92	-411.54
1	47	37	8.18	-0.20	8.11	-0.12	-0.78	3603.45	68.05	3504.68	166.82	-582.61
1	47	38	7.58	-0.21	7.56	-0.19	-0.44	2674.97	-67.22	2443.49	164.26	-762.35
1	47	39	5.44	-1.67	5.42	-1.65	0.38	1701.05	-435.79	1156.12	109.15	-931.39
1	47	40	6.55	-13.38	2.61	-9.43	7.95	617.81	-1314.91	-591.04	-106.05	-935.44
1	47	41	40.79	-35.72	40.77	-35.70	1.26	-531.87	-3349.29	-3120.10	-761.06	-770.19
1	47	42	14.00	-16.77	13.67	-16.44	-3.19	124.11	-1488.88	-1174.77	-190.00	638.74
1	47	43	-2.40	-5.96	-5.42	-2.94	-1.28	284.36	-856.08	-593.51	21.79	480.10
1	47	44	7.88	7.07e-02	7.76	0.19	-0.96	569.63	-50.99	319.69	198.96	304.38
1	47	45	6.36	-0.66	6.34	-0.64	-0.38	559.98	149.50	527.56	181.92	110.70
1	47	46	7.02	-4.34	5.93	-3.25	3.35	281.14	83.93	267.07	98.00	-50.76
1	47	47	30.25	-23.79	30.25	-23.79	-0.36	-473.03	-879.79	-879.22	-473.60	15.18
1	47	48	13.00	-5.42	-5.42	13.00	0.17	1330.61	76.93	1166.21	241.33	423.17
1	47	49	8.80	-0.82	8.73	-0.76	0.79	1117.93	107.67	1089.07	136.53	168.29
1	47	50	9.83	-7.22e-03	9.83	-3.60e-03	-0.19	922.79	142.72	920.79	144.72	-39.46
1	47	51	8.07	-2.73	7.98	-2.64	0.98	316.83	-104.40	201.41	11.02	-187.88
1	47	52	20.14	-22.43	19.41	-21.70	5.53	-431.82	-1278.57	-1272.38	-438.01	-72.13
1	47	53	5.77	-9.96	-6.37	2.19	-6.60	856.98	-446.18	320.33	90.47	641.36
1	47	54	5.67	-1.29	5.50	-1.12	1.08	1090.95	-197.12	796.05	97.78	541.19
1	47	55	5.61	-0.13	5.35	0.13	1.20	1114.50	-7.13	1004.21	103.16	333.98
1	47	56	6.88	-0.94	6.33	-0.40	2.00	932.61	-13.57	877.56	41.49	221.50
1	47	57	8.35	-9.41	8.35	-9.41	0.15	382.63	-323.99	315.79	-257.15	206.80
1	47	58	9.32	-9.52	-9.47	9.28	-0.90	173.16	-309.01	-275.51	139.66	122.59
1	47	59	5.10	-1.67	-0.79	4.22	2.27	996.39	-36.31	-10.14	970.21	162.31
1	47	60	2.98	-1.12	1.01	0.85	2.05	1223.81	-36.70	23.37	1163.75	268.52
1	47	61	9.73	-12.63	8.50	-11.40	-5.11	1307.43	-99.59	-33.69	1241.53	297.29
1	47	62	4.88	-17.25	-2.46	-9.91	-10.42	742.04	-631.86	45.04	65.14	686.88
1	47	63	1.57	-5.24	-4.93	1.26	1.42	1268.08	-66.79	976.62	224.67	551.46
1	47	64	-5.91e-02	-5.95	-5.95	-6.23e-02	0.14	1288.43	180.24	1241.73	226.94	222.65
1	47	65	-0.47	-7.97	-7.87	-0.56	-0.83	1129.45	199.21	1119.38	209.28	-96.27
1	47	66	2.58	-23.29	-21.59	0.88	6.41	1007.88	36.38	783.03	261.23	-409.74
1	47	67	0.39	-28.40	-3.83	-24.19	-10.18	-158.54	-1553.81	-1346.67	-365.68	496.09

1	47	68	-1.44	-16.39	-16.37	-1.46	0.55	806.14	-333.18	322.03	150.93	563.20
1	47	69	0.22	-13.84	-13.83	0.21	0.44	1236.30	159.91	1153.16	243.05	287.37
1	47	70	0.59	-15.61	-15.41	0.39	-1.79	1325.51	245.73	1324.33	246.90	-35.60
1	47	71	11.37	-30.41	-30.32	11.28	1.94	1514.52	230.14	1325.55	419.11	-454.97
1	47	72	3.85	-29.04	3.36	-28.55	-3.99	-219.69	-979.61	-873.47	-325.83	263.42
1	47	73	-0.51	-20.93	-20.65	-0.80	-2.39	628.72	13.06	413.94	227.85	293.43
1	47	74	-5.58e-02	-20.92	-20.90	-7.44e-02	0.62	725.61	272.23	724.27	273.57	24.60
1	47	75	-3.64e-02	-20.85	-20.84	-4.10e-02	0.31	742.08	40.75	518.28	264.55	-326.91
1	47	76	-0.81	-30.60	-30.60	-0.81	7.61e-02	520.62	-823.71	-450.21	147.12	-602.17
1	47	77	-9.25	-25.32	-13.16	-21.42	6.89	419.86	-1620.63	-1162.42	-38.35	-851.48
1	47	78	17.89	-39.16	17.54	-38.81	-4.48	-281.38	-3395.26	-3077.75	-598.89	942.27
1	47	79	-4.90	-24.17	-21.22	-7.85	-6.94	777.59	-1208.77	-425.60	-5.58	970.72
1	47	80	-1.51	-17.53	-17.49	-1.55	-0.85	1750.87	-260.94	1303.88	186.05	836.34
1	47	81	-8.90e-02	-14.52	-14.50	-0.11	-0.56	2848.02	97.27	2709.42	235.87	601.70
1	47	82	4.57e-02	-12.63	-12.61	2.42e-02	-0.52	3853.65	205.98	3822.05	237.59	338.05
1	47	83	9.06e-02	-10.91	-10.88	6.09e-02	-0.57	4474.30	236.85	4472.83	238.31	78.75
1	47	84	1.83e-02	-9.00	-8.95	-3.11e-02	-0.67	4816.00	245.94	4809.13	252.80	-176.97
1	47	85	0.54	-5.06	-4.85	0.33	-1.06	4883.11	237.36	4840.84	279.64	-441.13
1	47	86	2.08	-1.74	-1.00	1.34	-1.51	4568.11	210.90	4445.93	333.08	-719.34
1	47	87	11.06	-5.00	-2.24	8.30	-6.05	3930.17	78.04	3571.95	436.26	-1118.74
1	47	88	11.51	-31.68	-21.32	1.15	18.44	2695.08	-374.44	2023.28	297.36	-1269.17
1	47	89	15.89	-26.38	7.64	-18.12	16.76	2108.82	-138.25	596.10	1374.48	-1053.97
1	47	90	4.23	-8.65	2.50	-6.92	-4.40	2368.98	454.24	669.68	2153.55	-605.05
1	47	91	1.09	-3.59	1.08	-3.59	-0.15	1985.88	636.73	642.16	1980.46	85.40
1	47	92	3.59	-17.45	-9.95	-3.92	-10.08	1241.17	11.48	375.22	877.43	561.23
1	47	93	6.56	-6.57	2.92	-2.93	5.87	1134.09	-364.21	314.30	455.57	-745.81
1	47	94	62.79	18.48	32.01	49.26	20.41	2975.75	623.75	2926.13	673.37	337.99
1	47	95	7.68	-4.01	7.54	-3.86	-1.29	3951.28	-108.23	3946.60	-103.55	137.81
1	47	96	7.86	0.25	7.83	0.27	-0.40	4439.01	-20.70	4434.06	-15.75	-148.48
1	47	97	9.27	0.51	9.23	0.55	-0.56	4584.72	-28.33	4574.71	-18.31	-214.69
1	47	98	10.33	0.48	10.29	0.52	-0.65	4368.67	-39.07	4349.90	-20.30	-287.01
1	47	99	11.19	0.91	11.16	0.94	-0.55	3836.75	-46.94	3804.24	-14.44	-353.81
1	47	100	11.81	1.01	11.79	1.03	-0.51	2998.87	-81.77	2940.21	-23.11	-421.03
1	47	101	12.36	2.06	12.29	2.13	-0.87	1790.93	-149.01	1657.19	-15.27	-491.48
1	47	102	16.61	10.99	13.27	14.34	-2.76	537.32	-582.15	-175.33	130.50	-538.44
1	47	103	-4.25	-62.81	-10.66	-56.40	18.28	-1073.06	-2617.40	-2617.33	-1073.14	10.65
1	47	104	21.06	-66.79	7.87	-53.60	-31.38	-1335.33	-3102.34	-2978.06	-1459.61	-451.84
1	47	105	40.15	4.47	33.66	10.95	13.76	310.22	-620.20	-501.58	191.59	310.32
1	47	106	11.24	0.36	11.22	0.37	0.35	152.05	-91.38	74.88	-14.21	113.27
1	47	107	12.58	1.17	12.54	1.22	-0.71	488.70	-35.18	488.15	-34.63	-16.98
1	47	108	15.01	3.24	14.95	3.30	-0.87	533.61	-66.17	532.39	-64.95	-27.02
1	47	109	6.32	-0.12	5.38	0.82	2.28	49.27	-186.36	-126.87	-10.22	-102.37
1	47	110	-8.09	-49.33	-18.30	-39.12	17.79	-349.93	-1624.08	-1200.69	-773.32	600.17
1	47	111	41.52	16.87	36.96	21.44	9.58	960.41	-138.73	855.38	-33.70	323.13
1	47	112	17.01	-1.34	16.20	-0.52	3.78	1222.97	-4.20	1219.09	-0.32	68.91
1	47	113	13.79	0.73	13.74	0.79	-0.86	997.62	-49.87	997.25	-49.50	19.68
1	47	114	14.36	-1.52	14.17	-1.33	1.70	459.12	-86.80	456.98	-84.66	-34.10
1	47	115	9.45	6.81	7.01	9.25	-0.69	61.24	-637.24	-625.28	49.29	90.59
1	47	116	2.74	-67.94	-17.02	-48.18	31.72	-501.24	-3066.98	-2499.10	-1069.11	1065.15
1	47	117	31.97	12.05	24.85	19.17	9.55	711.59	-337.99	340.90	32.70	501.66
1	47	118	9.98	1.47	9.06	2.39	2.64	1002.23	-86.90	922.36	-7.03	283.91
1	47	119	7.07	0.24	7.06	0.24	0.21	1057.65	-155.30	1004.14	-101.79	249.08
1	47	120	3.35	-6.30	0.78	-3.73	4.26	934.82	-231.73	877.05	-173.97	253.07
1	47	121	7.58	-1.78	2.08	3.73	-4.61	535.30	-96.79	459.98	-21.47	204.79
1	47	122	14.27	-7.15	11.64	-4.52	7.03	577.78	-697.07	-512.73	393.44	448.35
1	47	123	12.05	-9.02	-7.78	10.81	4.95	416.39	-885.31	257.86	-726.78	425.70
1	47	124	2.55	-2.52	1.92	-1.89	-1.68	479.91	-110.06	-43.37	413.22	186.81
1	47	125	1.17	-8.62	-3.51	-3.93	4.89	945.37	-247.78	-198.56	896.15	237.30
1	47	126	4.33	-2.40	-1.96	3.88	1.68	1217.03	-174.60	-159.70	1202.13	143.24
1	47	127	36.66	13.08	31.29	18.45	9.89	1138.16	4.98	81.10	1062.05	283.65
1	47	128	13.16	-8.12	-5.47	10.51	7.03	854.37	-232.21	542.60	79.56	-491.49
1	47	129	13.79	-17.69	-5.40	1.50	-15.36	-660.93	-1201.80	-1201.76	-660.96	-4.17
1	47	130	-8.27	-21.01	-16.91	-12.37	-5.96	438.45	-367.57	127.43	-56.55	392.37
1	47	131	-0.32	-11.09	-11.05	-0.37	-0.68	1163.40	-219.94	996.22	-52.75	450.92
1	47	132	-0.81	-12.17	-12.17	-0.81	0.12	1315.15	-86.89	1256.48	-28.22	280.75
1	47	133	3.23	-7.60	-6.57	2.20	-3.18	1314.14	51.33	1309.31	56.16	77.95
1	47	134	25.33	4.12	11.83	17.63	-10.20	912.71	33.81	765.68	180.84	-328.03
1	47	135	-20.16	-105.15	-52.41	-72.90	-41.24	-762.66	-2998.30	-2678.71	-1082.25	-782.53
1	47	136	-0.64	-23.20	-22.82	-1.02	-2.90	54.29	-756.54	-650.90	-51.36	272.95
1	47	137	-2.84	-18.90	-18.89	-2.85	-0.53	784.21	-188.21	616.41	-20.41	367.45
1	47	138	-0.62	-20.22	-20.19	-0.65	0.70	1252.31	-22.34	1220.07	9.90	200.14
1	47	139	3.32	-12.59	-10.78	1.50	-5.06	1484.79	53.92	1484.40	54.31	23.61
1	47	140	19.24	2.90	7.92	14.21	-7.54	1135.46	-2.99	1035.47	97.00	-322.24
1	47	141	-34.86	-81.10	-58.24	-57.72	-23.12	-525.75	-1508.04	-1295.93	-737.87	-404.19
1	47	142	6.95	-24.25	-24.17	6.87	-1.58	354.11	-316.68	-15.84	53.27	333.61
1	47	143	0.31	-20.91	-20.81	0.22	1.44	758.06	-69.73	731.83	-43.51	144.99

1	47	144	-0.39	-22.19	-22.17	-0.41	0.74	728.96	-21.90	727.77	-20.71	29.89
1	47	145	-1.39	-21.90	-21.85	-1.44	-1.00	355.06	-64.00	295.38	-4.32	-146.45
1	47	146	27.31	-5.52	4.53	17.26	-15.13	492.72	-645.17	-395.86	243.41	-470.67
1	47	147	-8.02	-92.45	-27.82	-72.65	35.78	-1339.12	-3129.12	-3069.09	-1399.15	322.25
1	47	148	-28.54	-79.19	-40.75	-66.97	-21.67	-1029.73	-2592.62	-2587.55	-1034.80	88.84
1	47	149	15.47	-13.79	-13.15	14.84	4.27	713.42	-475.25	52.71	185.46	590.61
1	47	150	0.99	-16.85	-16.82	0.96	0.70	1861.25	-58.29	1778.71	24.25	389.40
1	47	151	-0.32	-16.02	-16.02	-0.32	6.63e-03	3125.12	-14.03	3103.16	7.93	261.61
1	47	152	-0.49	-14.68	-14.68	-0.49	-0.18	4178.50	11.25	4175.34	14.41	114.78
1	47	153	-0.45	-13.08	-13.07	-0.45	-0.28	4731.76	14.06	4731.50	14.32	-35.20
1	47	154	-0.94	-11.33	-11.33	-0.95	-0.22	4949.24	-4.29	4942.21	2.74	-186.44
1	47	155	-1.49	-6.83	-6.80	-1.53	-0.41	4846.83	-34.84	4822.71	-10.72	-342.30
1	47	156	-0.35	-3.61	-1.80	-2.16	-1.62	4255.47	-56.73	4178.81	19.92	-569.79
1	47	157	40.34	8.86	13.30	35.90	-10.96	2988.68	90.67	2604.53	474.83	-982.70
1	47	158	3.12	-11.17	-10.78	2.73	2.34	-65.58	-580.93	-414.09	-232.42	241.13
1	47	159	11.39	-14.49	9.05	-12.14	7.43	-138.27	-1010.71	-249.34	-899.65	290.79
1	47	160	17.94	1.38	15.48	3.84	-5.89	1731.25	-135.98	203.43	1391.84	-720.11
1	47	161	2.02	-9.48	0.35	-7.81	-4.06	2402.49	-37.32	34.10	2331.07	-411.28
1	47	162	-1.30	-13.65	-1.70	-13.24	-2.19	2100.17	-10.16	-8.93	2098.94	-50.95
1	47	163	-9.27	-9.46	-9.45	-9.28	-3.19e-02	999.85	103.67	147.42	956.11	193.11
1	47	164	22.34	-18.14	12.14	-7.94	-17.57	-308.70	-1284.39	-383.08	-1210.00	-258.93
1	47	165	3.25	-1.25	1.51	0.48	-2.19	4355.46	786.23	4353.16	788.54	-90.71
1	47	166	6.00	-6.86e-02	1.82	4.11	-2.81	3326.03	1156.32	3232.36	1250.00	-440.98
1	47	167	3.86	-0.62	1.94	1.30	-2.22	4358.22	868.56	4356.91	869.88	-67.73
1	47	168	4.25	0.19	1.80	2.65	-1.99	4009.35	1005.05	4005.17	1009.24	-112.04
1	47	169	4.47	-0.45	1.14	2.88	-2.30	3224.38	1100.18	3224.31	1100.25	-12.21
1	47	170	1.44	0.55	1.35	0.63	0.26	1073.77	-50.27	249.81	773.69	497.25
1	47	171	3.91	-0.71	2.09	1.11	2.26	1225.93	299.70	391.41	1134.22	276.65
1	47	172	-9.99e-02	-3.87	-2.82	-1.15	1.69	1201.96	226.79	752.51	676.24	486.09
1	47	173	2.05	-3.23	-1.10	-8.42e-02	2.59	931.35	299.48	345.70	885.13	164.52
1	47	174	0.62	-2.78	-2.32	0.17	1.15	1149.95	530.38	1005.44	674.89	262.01
1	47	175	-6.17	-13.99	-9.55	-10.61	-3.88	258.57	119.30	159.16	218.71	62.95
1	47	176	3.98	-3.90	-3.43	3.52	1.86	915.22	714.54	912.53	717.23	23.06
1	47	177	12.42	0.70	6.48	6.64	5.86	868.50	19.13	126.66	760.97	-282.44
1	47	178	6.12	-12.23	3.13	-9.24	6.77	1299.10	-1065.42	-1049.55	1283.22	-193.10
1	47	179	3.05	-3.10	2.29	-2.34	2.03	872.01	349.89	787.99	433.91	191.86
1	47	180	5.50	-0.99	4.40	0.11	2.44	1077.20	366.54	915.80	527.94	297.75
1	47	181	-2.50	-11.89	-11.62	-2.77	-1.56	1040.34	-174.66	146.13	719.55	535.59
1	47	182	6.99	2.95	6.77	3.17	0.93	1105.52	235.32	761.64	579.20	425.43
1	47	183	0.15	-10.84	-10.81	0.11	-0.65	1112.14	530.80	889.51	753.43	282.59
1	47	184	19.23	6.10	18.50	6.84	-3.02	1031.48	-449.97	0.28	581.23	681.40
1	47	185	3.54	-11.58	-11.58	3.54	0.13	1064.63	787.88	1056.20	796.31	47.55
1	47	186	15.16	-4.15	11.59	-0.58	-7.49	936.05	-1361.12	-1254.60	829.54	483.05
1	47	187	14.87	-6.67e-02	2.35	12.45	5.50	1012.79	439.93	589.28	863.45	-251.50
1	47	188	0.93	-14.96	-5.76	-8.26	7.85	1346.02	-444.40	-379.45	1281.07	-334.76
1	47	189	3.92	-5.24	2.35	-3.67	3.45	627.81	42.15	110.45	559.50	-187.99
1	47	190	-12.87	-22.53	-21.98	-13.42	2.23	890.13	-480.24	-348.44	758.33	404.03
1	47	191	4.47	-0.83	3.64	2.91e-03	1.93	793.20	630.44	790.34	633.30	-21.37
1	47	192	-3.94	-17.19	-17.09	-4.03	-1.13	888.35	39.63	175.76	752.22	311.46
1	47	193	7.41	2.97	7.36	3.02	0.45	1040.30	599.61	986.45	653.47	144.34
1	47	194	-0.92	-15.04	-15.04	-0.93	-0.19	809.50	486.72	497.95	798.27	59.13
1	47	195	18.24	8.79	17.19	9.83	-2.96	1000.49	111.62	489.56	622.55	439.43
1	47	196	13.63	-3.77	6.61	3.24	-8.54	906.27	-730.44	-594.23	770.06	452.08
1	47	197	2.49	-15.36	-13.32	0.45	5.68	940.27	-596.84	-462.50	805.94	-434.10
1	47	198	-6.98	-20.42	-9.02	-18.38	-4.81	503.73	-527.13	-476.43	453.04	-222.90
1	47	199	15.74	0.77	11.02	5.49	6.96	1069.06	-2065.77	-1870.83	874.13	-757.02
1	47	200	1.21	-5.16	0.86	-4.81	1.44	629.69	103.60	136.06	597.23	-126.59
1	47	201	10.95	-17.03	10.20	-16.28	4.52	1633.65	-3222.55	-3200.74	1611.85	-324.65
1	47	202	1.40	-1.27	1.40	-1.26	-0.15	693.06	410.33	411.58	691.81	18.77
1	47	203	-13.71	-17.26	-14.92	-16.05	1.69	887.44	-2575.53	-2352.28	664.19	850.46
1	47	204	-4.43	-15.84	-14.30	-5.97	-3.90	1101.30	-912.36	-488.69	677.63	820.75
1	47	205	9.45	-5.10	4.68	-0.32	-6.83	787.62	-629.35	-500.04	658.30	408.06
1	47	206	-0.16	-13.87	-12.71	-1.33	-3.83	1547.34	281.37	1135.15	693.56	593.23
1	47	207	25.10	0.24	24.00	1.35	-5.13	784.80	-2154.50	-1958.79	589.09	732.76
1	47	208	-0.47	-10.97	-10.58	-0.86	-1.98	2565.03	573.93	2485.90	653.07	388.97
1	47	209	23.02	-4.79	21.90	-3.68	-5.46	1160.18	-3321.32	-3301.87	1140.73	294.60
1	47	210	-0.18	-8.86	-8.66	-0.38	-1.31	3609.85	605.66	3597.10	618.41	195.26
1	47	211	0.27	-20.80	-0.90	-19.63	-4.83	646.85	-2662.82	-2423.89	407.91	-856.57
1	47	212	8.79e-02	-7.15	-6.93	-0.13	-1.25	4250.53	612.56	4250.44	612.65	17.91
1	47	213	3.57	-7.70	2.69	-6.82	3.02	975.42	-993.32	-547.33	529.43	-824.10
1	47	214	0.54	-5.56	-5.09	6.85e-02	-1.63	4586.77	631.87	4579.83	638.81	-165.54
1	47	215	3.29	-2.89	1.96	-1.56	2.54	1604.76	78.18	1091.88	591.06	-721.05
1	47	216	1.85	-3.83	-2.47	0.49	-2.43	4608.75	667.99	4574.95	701.79	-363.40
1	47	217	2.91	-0.67	2.90	-0.67	-8.70e-02	2495.92	397.92	2329.02	564.82	-567.72
1	47	218	4.21	-0.50	3.87	-0.16	-1.22	3471.00	462.08	3400.15	532.92	-456.23
1	47	219	4.97	-0.40	4.44	0.12	-1.60	4080.66	488.88	4045.08	524.46	-355.72

1	47	220	18.23	5.63	12.79	11.06	6.24	2778.86	317.53	1956.87	1139.51	-1160.83
1	47	221	5.36	-0.17	4.81	0.38	-1.65	4399.80	527.26	4382.72	544.33	-256.57
1	47	222	5.36	0.39	4.94	0.81	-1.38	4399.64	586.14	4393.93	591.85	-147.45
1	47	223	4.80	-2.51	3.78	-1.49	-2.53	2442.94	1236.22	1995.47	1683.69	-582.87
1	47	224	2.12	-3.44	1.06	-2.38	-2.18	1970.42	1444.60	1964.24	1450.77	56.66
1	47	225	2.68	-1.38	1.00	0.30	-2.00	2052.77	410.48	1862.74	600.52	525.34
1	47	226	-9.98	-13.57	-11.55	-12.00	1.78	960.59	-1036.58	-815.61	739.61	626.49
1	47	227	-3.49	-18.64	-4.18	-17.96	-3.14	451.56	-998.51	-957.09	410.14	-241.54
1	47	228	-9.80e-02	-14.34	-14.20	-0.25	1.45	873.77	166.83	235.47	805.14	-209.31
1	47	229	3.65	-1.74	2.22	-0.30	-2.38	764.71	83.35	149.18	698.88	201.29
1	47	230	5.06	-2.88	0.18	2.01	-3.87	4274.67	718.31	4181.32	811.66	-568.58
1	47	231	7.51	0.69	1.35	6.84	-2.02	3619.62	701.45	3341.08	979.99	-857.47
1	47	232	5.26	1.82	5.20	1.88	-0.47	4062.58	662.07	4060.94	663.71	74.64
1	47	233	6.60	3.43	5.67	4.35	-1.44	3409.70	711.32	3387.46	733.55	243.93
1	47	234	2.90	-3.01	1.02	-1.13	2.75	1205.80	489.31	729.98	965.13	338.40
1	47	235	2.21	-3.95	0.44	-2.17	2.79	985.73	571.66	722.17	835.22	199.17
1	47	236	2.91	-2.10	0.76	5.18e-02	2.48	1182.87	619.20	874.83	927.24	280.61
1	47	237	4.85	-0.62	1.57	2.65	2.68	1090.68	560.81	638.51	1012.99	187.43
1	47	238	3.56	0.12	0.85	2.83	1.41	1189.94	11.66	13.40	1188.21	45.16
1	47	239	3.00	-0.95	2.98	-0.93	-0.26	1501.69	-534.58	-527.92	1495.03	116.25
1	47	240	-0.45	-1.59	-0.68	-1.36	-0.45	1516.84	-477.30	-442.70	1482.24	260.37
1	47	241	4.69	-1.93	2.81	-5.06e-02	2.98	1101.11	623.37	866.48	858.00	238.83
1	47	242	5.98	0.75	4.39	2.34	2.41	1141.50	412.72	603.77	950.45	320.52
1	47	243	-2.92	-3.98	-2.96	-3.94	0.21	1309.42	39.00	121.53	1226.89	313.10
1	47	244	-0.47	-4.24	-4.22	-0.49	0.27	1181.32	594.68	699.85	1076.15	225.03
1	47	245	5.91	-0.18	3.36	2.36	3.00	1203.51	-174.69	-44.63	1073.44	402.92
1	47	246	3.57	-4.29	-4.17	3.45	0.97	1142.76	811.31	875.09	1078.98	130.66
1	47	247	7.33	-0.14	6.19	1.00	2.68	1417.67	-619.56	-579.57	1377.68	282.61
1	47	248	2.97	-4.98	-4.97	2.95	0.33	1195.85	493.22	494.04	1195.03	-24.00
1	47	249	3.16	-3.11	2.57	-2.52	1.83	1346.96	-497.15	-491.40	1341.21	102.84
1	47	250	-0.56	-4.98	-4.14	-1.40	-1.73	1425.19	24.17	24.17	1425.19	0.35
1	47	251	-1.01	-6.58	-6.09	-1.50	-1.58	1482.64	-62.53	-52.59	1472.70	123.53
1	47	252	1.86	-2.15	0.34	-0.63	1.94	1025.39	681.44	686.33	1020.50	40.72
1	47	253	1.29	-5.25	0.67	-4.64	1.91	1139.64	95.26	95.29	1139.61	5.22
1	47	254	-4.81	-8.04	-7.91	-4.94	-0.64	1270.76	132.27	159.11	1243.91	172.74
1	47	255	3.43	0.11	0.63	2.91	1.20	1100.28	755.27	845.08	1010.47	151.40
1	47	256	-3.03	-7.49	-7.47	-3.06	-0.34	1145.36	299.69	307.64	1137.42	81.59
1	47	257	3.06	-1.78	-0.78	2.07	1.96	1156.55	337.94	436.44	1058.05	266.33
1	47	258	-1.90	-6.16	-6.04	-2.02	0.69	1189.33	77.97	79.11	1188.19	-35.64
1	47	259	3.09	-1.08	0.83	1.18	2.07	1355.70	-45.48	-27.19	1337.40	159.04
1	47	260	-1.15	-2.72	-1.27	-2.61	0.42	1326.55	-106.07	-105.45	1325.93	29.90
1	47	261	0.95	-2.94	-2.16	0.16	1.56	1412.58	-692.54	-680.49	1400.53	-158.82
1	47	262	3.61	-1.97	-1.85	3.50	-0.79	1673.29	-1689.77	-1668.74	1652.26	-265.11
1	47	263	-2.53	-5.67	-2.53	-5.67	0.13	1162.65	129.72	132.72	1159.65	-55.55
1	47	264	9.68	2.49	7.09	5.08	-3.45	2017.65	-2175.46	-2174.65	2016.84	-58.41
1	47	265	-1.63	-3.11	-1.65	-3.09	-0.19	1087.02	288.35	288.58	1086.79	-13.47
1	47	266	4.57	-1.41	-1.11	4.28	-1.29	1858.94	-1718.25	-1702.63	1843.33	235.82
1	47	267	0.61	-2.87	-0.23	-2.03	-1.48	1144.87	54.04	59.98	1138.93	80.26
1	47	268	-1.34	-6.50	-3.12	-4.73	-2.45	1480.94	-524.64	-472.98	1429.28	317.70
1	47	269	-1.20	-6.68	-4.07	-3.81	-2.74	1268.15	790.78	979.81	1079.13	233.46
1	47	270	4.11	-1.34	3.24	-0.46	-2.00	1342.97	-726.52	-704.84	1321.28	210.73
1	47	271	3.48	1.68	2.84	2.33	0.86	1538.31	-1737.20	-1712.51	1513.62	283.32
1	47	272	-0.76	-5.68	-4.68	-1.76	-1.98	2357.39	897.12	2345.50	909.01	131.21
1	47	273	12.85	7.08	11.92	8.00	2.12	1929.10	-2214.08	-2212.35	1927.37	84.74
1	47	274	0.11	-4.91	-4.16	-0.64	-1.79	3431.58	821.20	3430.70	822.08	48.11
1	47	275	5.18	1.67	3.63	3.21	-1.74	1716.64	-1773.83	-1751.66	1694.48	-277.28
1	47	276	0.78	-4.07	-3.14	-0.15	-1.91	4091.72	799.88	4091.25	800.35	-39.35
1	47	277	2.19	-5.39	2.18	-5.38	-0.23	1444.67	-592.60	-502.04	1354.11	-419.87
1	47	278	1.74	-3.31	-1.87	0.31	-2.28	4429.08	827.58	4424.07	832.59	-134.23
1	47	279	1.15	-3.95	1.09	-3.90	0.53	1366.97	606.45	946.81	1026.61	-378.16
1	47	280	3.22	-2.94	-0.83	1.11	-2.92	4426.80	907.59	4411.07	923.33	-234.81
1	47	281	0.26	-1.85	5.36e-02	-1.65	-0.63	2339.30	817.89	2292.96	864.23	-261.45
1	47	282	4.99	-2.31	-6.29e-02	2.75	-3.37	4052.76	1040.18	4015.77	1077.17	-331.78
1	47	283	1.38	-1.88	6.54e-02	-0.56	-1.60	3376.91	766.60	3361.50	782.02	-200.02
1	47	284	2.44	-1.66	0.78	6.74e-03	-2.01	4020.81	756.43	4017.60	759.64	-102.25
1	67	1	33.05	-15.78	18.78	-1.51	22.21	-942.83	-1488.59	-1000.28	-1431.14	-167.50
1	67	2	54.85	2.94	54.71	3.08	2.69	-3206.69	-6364.92	-6358.93	-3212.69	-137.48
1	67	3	37.51	6.61	37.49	6.64	-0.94	-1522.98	-2055.95	-2043.31	-1535.62	81.09
1	67	4	29.71	-1.99	29.29	-1.58	-3.61	-1882.80	-3093.69	-3051.65	-1924.84	221.69
1	67	5	19.76	-10.10	9.95	-0.29	-14.03	-690.95	-954.61	-735.18	-910.39	98.51
1	67	6	14.38	5.11	5.55	13.93	-1.99	-483.83	-1533.85	-1133.93	-883.75	509.89
1	67	7	3.15	-16.27	-14.64	1.53	-5.38	-1423.08	-2880.10	-2859.21	-1443.97	173.22
1	67	8	-5.07	-38.12	-38.12	-5.08	0.24	-943.59	-1939.55	-1939.54	-943.60	3.24
1	67	9	-4.56	-31.86	-31.57	-4.85	2.80	-2557.22	-6300.91	-6299.87	-2558.26	-62.23
1	67	10	33.85	14.17	15.34	32.68	4.65	-756.48	-2922.78	-1974.79	-1704.47	-1074.68
1	67	21	113.71	40.99	49.02	105.69	22.78	134.91	-1216.50	73.47	-1155.06	-281.53

1	67	22	100.47	-20.76	86.84	-7.13	38.30	1615.51	-5174.32	-5162.24	1603.43	286.16
1	67	23	55.82	-10.94	55.81	-10.93	-0.83	1143.96	-1174.06	-1139.83	1109.73	-279.60
1	67	24	45.49	-21.20	38.93	-14.64	-19.86	797.31	-1711.48	-1694.75	780.57	-204.21
1	67	25	67.31	36.99	38.04	66.26	-5.55	-95.73	-732.28	-153.46	-674.55	182.80
1	67	26	-0.45	-35.06	-5.39	-30.12	12.11	416.87	-1034.13	-659.43	42.17	635.05
1	67	27	19.71	-21.98	-16.13	13.86	14.48	112.99	-2109.61	-1825.64	-170.98	741.97
1	67	28	22.61	-47.86	-47.58	22.34	4.41	-285.25	-1773.00	-1735.24	-323.01	234.00
1	67	29	53.28	-33.85	-23.80	43.22	-27.85	110.72	-5921.80	-5868.49	57.41	-564.60
1	67	30	-5.07	-69.64	-15.21	-59.50	-23.49	866.42	-2108.46	-1462.92	220.88	-1226.25
1	67	31	20.30	-1.78	13.25	5.26	10.29	2726.37	-844.09	2403.50	-521.22	-1023.98
1	67	32	31.90	3.02	31.68	3.23	-2.47	3248.39	-368.05	2994.74	-114.40	-923.56
1	67	33	28.64	-1.33	28.00	-0.69	-4.34	3660.63	-349.36	3405.04	-93.78	-979.57
1	67	34	32.77	-0.65	32.41	-0.29	-3.43	3917.52	-237.68	3661.36	18.48	-999.38
1	67	35	36.48	-0.43	36.26	-0.21	-2.85	3903.43	-238.58	3632.88	31.96	-1023.43
1	67	36	39.41	-0.38	39.27	-0.25	-2.31	3677.93	-259.76	3369.77	48.41	-1057.59
1	67	37	41.38	-0.21	41.32	-0.16	-1.55	3222.94	-317.44	2851.15	54.36	-1085.38
1	67	38	42.16	-0.18	42.15	-0.17	-0.61	2532.68	-454.60	2025.65	52.43	-1121.41
1	67	39	41.33	-1.37	41.32	-1.36	0.62	1700.05	-766.35	930.50	3.20	-1142.72
1	67	40	38.15	-12.16	36.52	-10.53	8.90	645.76	-1468.23	-594.18	-228.30	-1041.05
1	67	41	62.98	-21.94	62.97	-21.92	-1.20	-493.58	-2879.56	-2588.33	-784.82	-781.07
1	67	42	58.62	-17.79	58.48	-17.65	3.26	-519.32	-1677.41	-1659.36	-537.38	143.46
1	67	43	27.57	-7.38	27.36	-7.17	-2.70	-128.61	-945.01	-913.33	-160.29	157.66
1	67	44	42.59	0.49	42.58	0.49	-0.26	227.61	-94.62	26.52	106.47	156.08
1	67	45	38.91	-1.14	38.86	-1.09	1.49	431.57	20.78	381.92	70.44	133.91
1	67	46	35.55	-5.26	35.06	-4.77	4.44	314.26	-50.92	303.30	-39.96	62.30
1	67	47	49.86	-8.58	49.62	-8.34	-3.74	-242.58	-528.76	-317.92	-453.42	126.04
1	67	48	28.31	5.37	27.59	6.09	4.01	637.12	-152.88	590.62	-106.38	185.94
1	67	49	30.56	-2.71	30.54	-2.69	-0.67	891.75	-60.24	823.67	7.84	245.30
1	67	50	29.70	-0.37	29.65	-0.33	1.17	825.80	37.49	809.46	53.82	112.30
1	67	51	26.10	-3.06	25.83	-2.78	2.84	329.43	-80.44	322.15	-73.16	54.14
1	67	52	33.47	-14.20	33.43	-14.16	1.36	-292.63	-723.08	-636.62	-379.09	172.45
1	67	53	12.95	-2.85	11.18	-1.08	-4.98	585.81	-843.61	-96.36	-161.43	713.97
1	67	54	14.27	-2.22	14.25	-2.20	0.61	1199.28	-507.25	682.73	9.30	784.02
1	67	55	12.55	-0.21	12.22	0.13	2.05	1439.46	-306.98	1085.54	46.94	702.03
1	67	56	13.97	-2.51	12.98	-1.52	3.92	1416.61	-340.01	1119.85	-43.25	658.19
1	67	57	12.94	-7.10	10.58	-4.74	-6.46	1146.59	-617.40	863.40	-334.21	647.57
1	67	58	18.73	-22.33	-22.01	18.41	-3.61	83.33	-581.36	-296.49	-201.54	328.94
1	67	59	7.30	-4.06	-1.60	4.85	4.68	1252.38	-78.38	110.88	1063.13	464.79
1	67	60	5.54	-6.82	2.38	-3.66	5.39	1806.13	-92.48	200.69	1512.96	686.06
1	67	61	23.05	-28.04	19.80	-24.79	-12.47	2123.81	-21.36	338.48	1763.96	801.52
1	67	62	10.04	-26.97	-14.73	-2.21	-17.42	1680.71	-768.40	500.05	412.26	1223.77
1	67	63	4.24	-13.63	-12.19	2.80	4.86	2107.86	-138.67	1547.42	421.77	972.09
1	67	64	2.04e-03	-13.78	-13.53	-0.24	1.82	1930.78	197.34	1772.32	355.80	499.57
1	67	65	-0.55	-17.38	-17.34	-0.59	0.81	1399.64	302.51	1393.90	308.24	79.14
1	67	66	-4.09	-25.02	-20.92	-8.19	8.31	601.65	69.99	429.46	242.18	-248.79
1	67	67	-8.58	-33.70	-26.26	-16.03	-11.47	636.06	-1104.76	-420.22	-48.48	850.33
1	67	68	1.52	-33.44	-33.09	1.17	3.48	1388.43	-158.64	890.71	339.07	722.69
1	67	69	0.30	-33.63	-33.55	0.21	1.66	1526.44	269.02	1442.92	352.54	313.11
1	67	70	1.58	-36.74	-36.73	1.57	-0.42	1339.13	350.29	1335.23	354.18	-61.95
1	67	71	-3.43	-39.91	-38.50	-4.84	7.04	1099.81	-64.96	684.17	350.67	-558.00
1	67	72	-14.35	-36.74	-35.26	-15.83	-5.57	741.23	-395.41	165.54	180.28	568.27
1	67	73	2.78	-45.32	-45.24	2.70	1.97	1079.13	231.04	932.77	377.40	320.47
1	67	74	0.89	-46.76	-46.68	0.82	1.88	1092.01	368.87	1083.58	377.29	-77.59
1	67	75	-0.42	-51.61	-51.61	-0.43	0.35	1113.64	-158.69	630.58	324.38	-617.47
1	67	76	1.29	-58.41	-58.38	1.26	1.29	907.95	-1205.57	-575.70	278.07	-966.70
1	67	77	-19.46	-51.44	-28.35	-42.55	14.33	377.61	-2556.28	-2018.43	-160.25	-1135.21
1	67	78	-20.64	-32.87	-26.79	-26.72	-6.11	416.04	-2413.84	-1924.44	-73.35	1070.24
1	67	79	-5.22	-49.15	-48.94	-5.42	-2.99	971.32	-579.13	218.77	173.43	774.89
1	67	80	-0.67	-43.13	-43.13	-0.67	0.10	2058.09	166.47	1922.68	301.88	487.66
1	67	81	0.13	-41.97	-41.95	0.11	-0.89	3161.54	321.23	3158.16	324.60	97.87
1	67	82	0.21	-40.16	-40.09	0.15	-1.63	4083.49	297.76	4059.39	321.86	-301.09
1	67	83	0.34	-37.52	-37.39	0.21	-2.21	4716.25	215.63	4605.31	326.57	-697.85
1	67	84	0.45	-34.00	-33.78	0.23	-2.73	5093.73	100.96	4836.88	357.80	-1102.91
1	67	85	0.86	-29.02	-28.62	0.45	-3.46	5199.17	-84.98	4714.07	400.13	-1525.80
1	67	86	2.16	-22.92	-22.20	1.45	-4.18	5024.02	-344.08	4143.79	536.15	-1987.54
1	67	87	13.08	-25.70	-22.70	10.08	-10.36	4539.67	-863.60	3005.81	670.26	-2436.22
1	67	88	17.02	-57.41	-30.44	-9.96	35.78	3259.12	-1844.99	782.11	632.02	-2550.95
1	67	89	44.97	-51.84	38.41	-45.27	24.34	3637.82	-166.91	733.81	2737.10	-1617.32
1	67	90	10.36	-16.23	4.08	-9.95	-11.29	2983.85	-184.24	527.15	2272.47	-1321.99
1	67	91	9.87	-7.85	-1.88	3.91	-8.38	1897.42	29.65	428.56	1498.51	-765.47
1	67	92	28.16	-39.60	-39.48	28.05	2.77	7.98	-812.85	-175.64	-629.22	-342.07
1	67	93	35.53	-20.60	30.35	-15.42	16.25	3176.84	-78.04	1233.88	1864.92	-1596.56
1	67	94	97.56	27.19	60.12	64.63	35.11	3326.61	466.29	3018.56	774.34	-886.70
1	67	95	27.88	-9.54	26.77	-8.43	-6.36	3544.24	-681.78	3194.77	-332.32	-1163.92
1	67	96	40.25	3.83	40.17	3.90	-1.64	3820.84	-326.33	3519.69	-25.17	-1076.22
1	67	97	45.41	3.62	45.36	3.66	-1.35	3888.75	-296.16	3645.33	-52.74	-979.51

1	67	98	49.48	3.35	49.46	3.38	-1.14	3679.38	-273.29	3468.08	-61.98	-889.14
1	67	99	52.66	3.30	52.65	3.32	-0.83	3233.44	-267.41	3033.65	-67.63	-812.10
1	67	100	54.59	3.10	54.59	3.10	-0.49	2523.27	-288.79	2313.09	-78.62	-739.49
1	67	101	55.06	3.99	55.06	3.99	-0.34	1520.65	-353.73	1244.72	-77.80	-664.13
1	67	102	54.12	14.51	53.94	14.69	-2.70	573.33	-728.03	-238.60	83.91	-630.38
1	67	103	42.78	-30.89	41.63	-29.73	9.16	-997.41	-2245.10	-2240.89	-1001.63	-72.39
1	67	104	53.56	-50.10	43.91	-40.45	-30.13	-1183.98	-3541.89	-3105.75	-1620.12	-915.52
1	67	105	68.99	-2.66e-02	67.03	1.94	11.48	101.50	-927.92	-927.80	101.38	-11.12
1	67	106	53.06	3.80	53.06	3.81	0.35	-10.82	-311.84	-292.69	-29.97	-73.47
1	67	107	53.60	2.50	53.60	2.50	0.29	262.59	-79.44	223.97	-40.81	-108.26
1	67	108	51.31	5.28	51.29	5.30	0.87	384.81	-89.02	383.09	-87.30	28.52
1	67	109	40.73	-5.68	40.68	-5.62	1.55	141.70	-94.80	115.37	-68.48	74.38
1	67	110	36.41	-6.32	35.19	-5.10	7.11	-195.83	-1175.05	-685.86	-685.03	489.61
1	67	111	55.22	16.90	53.70	18.42	7.47	419.91	-262.98	417.80	-260.88	37.86
1	67	112	37.99	-2.72	37.98	-2.71	0.67	835.57	-82.41	832.55	-79.38	52.62
1	67	113	39.82	2.27	39.82	2.27	2.75e-02	819.12	-133.01	795.67	-109.56	147.58
1	67	114	38.05	0.29	37.87	0.46	2.53	523.50	-202.97	464.09	-143.57	199.06
1	67	115	36.28	15.56	34.26	17.59	-6.15	301.21	-291.92	-140.99	150.27	258.35
1	67	116	27.55	-22.58	18.89	-13.92	18.95	-290.33	-2625.96	-1972.73	-943.56	1048.33
1	67	117	28.93	10.19	26.12	13.00	6.69	442.11	-598.58	-7.46	-149.01	515.51
1	67	118	17.56	1.84	17.50	1.90	0.97	991.44	-318.98	743.91	-71.45	512.93
1	67	119	17.02	0.82	17.01	0.84	0.53	1273.55	-384.80	1031.43	-142.68	585.58
1	67	120	9.06	-8.20	6.76	-5.90	5.86	1376.23	-541.60	1072.80	-238.17	699.89
1	67	121	34.59	7.10	19.13	22.56	-13.64	1310.80	-137.53	1064.84	108.42	543.81
1	67	122	20.96	-7.52	20.84	-7.40	-1.89	1470.29	-265.56	200.36	1004.38	769.21
1	67	123	18.37	-15.47	-3.61	6.51	16.15	59.81	-1158.09	-23.30	-1074.97	307.11
1	67	124	-12.56	-22.41	-20.18	-14.78	4.12	531.16	-415.71	-65.46	180.91	457.13
1	67	125	1.95	-15.14	-4.26	-8.93	8.22	1186.35	-340.83	-154.64	1000.16	499.68
1	67	126	9.98	-4.18	0.50	5.29	6.66	1773.32	-204.62	-49.13	1617.83	532.33
1	67	127	47.37	17.42	41.35	23.43	12.00	1817.35	-164.08	174.26	1479.01	745.60
1	67	128	8.83	-9.50	-1.10	0.44	9.13	652.88	-111.23	312.58	229.07	-379.76
1	67	129	13.89	-25.31	-18.49	7.08	-14.86	-909.53	-1418.28	-1257.25	-1070.56	236.63
1	67	130	-5.76	-25.01	-19.09	-11.68	-8.88	1159.21	-652.60	491.35	15.26	874.06
1	67	131	2.73	-13.85	-13.11	1.99	3.42	2015.68	-275.10	1669.09	71.49	820.87
1	67	132	-1.35	-20.65	-20.64	-1.35	0.26	2041.27	-83.46	1902.27	55.53	525.36
1	67	133	2.36	-18.02	-17.85	2.20	-1.83	1645.31	51.95	1612.19	85.08	227.35
1	67	134	0.92	-12.68	-12.31	0.55	-2.21	721.99	143.05	709.26	155.78	-84.90
1	67	135	-28.52	-106.36	-62.53	-72.35	-38.61	-730.21	-2214.28	-2168.07	-776.42	-257.77
1	67	136	-7.94	-34.98	-34.97	-7.95	0.48	708.36	-558.68	167.64	-17.97	626.69
1	67	137	-1.27	-39.64	-39.54	-1.37	1.97	1393.63	-87.43	1225.97	80.23	469.26
1	67	138	-2.20	-43.81	-43.81	-2.20	0.24	1617.10	30.35	1590.08	57.37	205.30
1	67	139	6.32	-37.08	-36.75	5.98	-3.79	1411.29	87.36	1402.18	96.47	-109.47
1	67	140	-16.40	-44.42	-43.07	-17.76	6.01	568.73	-143.66	451.25	-26.17	-264.37
1	67	141	-38.52	-78.04	-68.56	-48.01	-16.88	-325.87	-539.60	-539.47	-326.00	-5.31
1	67	142	11.98	-44.22	-44.00	11.77	3.47	945.67	-57.42	788.93	99.31	364.22
1	67	143	-4.06	-55.05	-54.97	-4.13	1.92	1239.71	2.69	1236.22	6.18	65.61
1	67	144	-2.48	-58.40	-58.39	-2.49	0.74	1059.22	-65.91	1008.13	-14.83	-234.24
1	67	145	-2.41	-55.97	-55.90	-2.48	-1.99	679.98	-314.98	361.70	3.30	-464.09
1	67	146	29.19	-35.34	-32.71	26.56	-12.75	815.15	-1371.33	-875.54	319.35	-915.55
1	67	147	-56.44	-165.83	-98.73	-123.54	53.27	-1568.58	-3934.50	-3879.49	-1623.60	356.55
1	67	148	-38.76	-66.97	-52.59	-53.14	-14.10	-593.84	-1720.61	-1629.88	-684.57	306.60
1	67	149	17.15	-43.94	-42.43	15.64	9.48	1060.13	81.66	847.66	294.13	403.42
1	67	150	-1.27	-54.27	-54.26	-1.29	0.92	2437.27	72.08	2435.63	73.71	62.19
1	67	151	-2.81	-53.41	-53.41	-2.81	-0.28	3610.35	28.53	3597.58	41.30	-213.48
1	67	152	-3.12	-50.98	-50.97	-3.13	-0.72	4487.65	-17.77	4434.45	35.43	-486.69
1	67	153	-3.27	-47.55	-47.52	-3.29	-1.02	5004.88	-89.26	4886.81	28.81	-766.49
1	67	154	-3.68	-43.35	-43.31	-3.71	-1.22	5199.12	-204.26	4978.68	16.19	-1068.90
1	67	155	-4.33	-37.47	-37.40	-4.40	-1.52	5076.13	-393.16	4700.42	-17.44	-1383.37
1	67	156	-4.88e-02	-25.04	-24.11	-0.98	-4.72	4561.29	-602.55	3793.61	165.12	-1837.07
1	67	157	2.20	-31.94	-28.29	-1.46	10.56	2847.49	-1363.66	1351.63	132.19	-2015.36
1	67	158	19.57	-43.33	-32.48	8.72	23.76	-1360.73	-2744.35	-2168.78	-1936.29	-681.97
1	67	159	13.67	-20.42	1.93	-8.67	-16.20	932.27	-123.17	478.13	330.97	522.57
1	67	160	79.89	28.31	69.91	38.29	-20.37	3024.56	-455.13	301.02	2268.41	-1435.06
1	67	161	16.11	-11.00	1.57	3.54	-13.52	2886.06	-355.07	11.39	2519.60	-1026.38
1	67	162	2.69	-29.47	-5.28	-21.50	-13.88	1782.51	-495.61	-160.94	1447.85	-806.48
1	67	163	-30.06	-55.92	-50.44	-35.54	-10.57	697.67	-773.56	-38.72	-37.17	-735.61
1	67	164	38.93	-24.34	10.92	3.67	-31.43	-510.67	-2243.75	-558.06	-2196.36	-282.63
1	67	165	13.01	-4.02	8.41	0.58	-7.56	4172.57	359.00	3862.91	668.66	-1041.64
1	67	166	15.25	-8.03	2.86	4.35	-11.62	3669.36	521.32	2742.76	1447.92	-1434.70
1	67	167	14.22	-5.63	7.48	1.11	-9.40	4193.57	362.78	3827.82	728.54	-1125.77
1	67	168	14.44	-7.39	5.54	1.51	-10.73	3937.41	402.02	3511.49	827.94	-1150.82
1	67	169	10.91	-11.32	-6.54e-02	-0.34	-11.12	3183.22	414.89	2759.01	839.10	-997.20
1	67	170	17.13	8.47	12.68	12.92	-4.33	2018.56	-14.40	740.11	1264.04	982.14
1	67	171	8.25	-2.96	4.08	1.21	5.42	1813.28	325.22	717.58	1420.92	655.67
1	67	172	3.91	-8.34	-6.03	1.60	4.80	1915.45	193.48	1142.69	966.24	856.45
1	67	173	3.34	-8.15	-3.27	-1.54	5.68	1200.02	228.56	578.58	850.00	466.38

1	67	174	2.85	-10.51	-7.86	0.19	5.33	1737.53	525.55	1385.99	877.09	549.98
1	67	175	-10.56	-20.87	-15.44	-15.99	-5.15	631.30	-273.70	399.89	-42.28	394.82
1	67	176	3.08	-14.21	-12.49	1.36	5.18	1193.85	735.97	1043.31	886.51	215.10
1	67	177	3.08	-13.93	-10.71	-0.14	6.66	953.43	102.24	107.99	947.68	-69.75
1	67	178	-3.86	-17.02	-4.32	-16.56	2.40	1793.70	-693.56	-666.40	1766.53	258.51
1	67	179	7.62	-4.52	5.37	-2.26	4.72	1481.33	42.24	1165.47	358.10	595.63
1	67	180	10.40	-2.53	8.10	-0.24	4.94	1540.97	49.29	1101.45	488.80	680.03
1	67	181	0.16	-21.28	-21.11	-1.48e-02	1.95	1407.50	99.33	581.00	925.83	630.95
1	67	182	13.86	-1.64e-02	12.98	0.86	3.38	1392.22	-108.65	769.20	514.37	739.54
1	67	183	0.67	-22.24	-21.76	0.19	3.29	1315.06	639.44	1061.40	893.10	327.16
1	67	184	20.96	1.44	20.71	1.69	2.19	1106.70	-759.85	-83.62	430.47	897.18
1	67	185	1.76	-25.97	-25.59	1.38	3.22	1001.41	904.87	973.07	933.21	43.97
1	67	186	17.78	7.07	16.44	8.41	-3.55	610.81	-1375.75	-1242.55	477.62	496.85
1	67	187	8.02	-20.76	-18.85	6.10	7.17	1150.94	392.98	445.07	1098.85	-191.76
1	67	188	-14.94	-22.16	-16.62	-20.48	3.05	1850.59	-42.25	-41.82	1850.16	28.57
1	67	189	17.49	-5.06	15.60	-3.17	6.26	467.79	339.50	361.79	445.50	48.61
1	67	190	2.99	-23.83	-23.75	2.90	-1.51	1293.16	29.99	190.09	1133.06	420.24
1	67	191	17.77	-1.47	16.66	-0.36	4.49	878.15	459.11	805.43	531.82	158.69
1	67	192	-0.14	-31.88	-31.78	-0.25	1.85	1068.81	473.11	594.70	947.22	240.09
1	67	193	22.20	-0.12	21.89	0.19	2.64	1016.84	340.11	858.84	498.11	286.28
1	67	194	3.77e-02	-30.10	-29.90	-0.16	2.43	916.57	685.66	696.92	905.31	-49.73
1	67	195	24.69	-1.79	24.04	-1.14	4.10	765.07	-225.29	231.79	307.99	493.71
1	67	196	20.44	15.03	18.98	16.50	-2.40	291.14	-816.90	-735.13	209.37	289.70
1	67	197	0.46	-35.33	-33.89	-0.98	7.02	1243.15	-1032.24	-727.38	938.29	-775.07
1	67	198	13.76	-15.38	13.41	-15.03	-3.20	243.25	-384.32	-306.08	165.02	-207.31
1	67	199	5.14	-16.68	-12.55	1.01	8.55	1438.94	-2343.69	-2082.89	1178.15	-958.37
1	67	200	24.13	-3.94	23.62	-3.42	3.76	462.82	295.92	330.40	428.34	-67.58
1	67	201	-2.81	-32.93	-2.82	-32.92	-0.49	2273.60	-2906.90	-2902.06	2268.77	-158.16
1	67	202	22.26	-1.30	22.10	-1.14	1.94	563.97	371.56	383.79	551.75	46.93
1	67	203	-0.64	-20.97	-20.10	-1.52	-4.12	1193.99	-1939.04	-1789.93	1044.89	667.02
1	67	204	-0.34	-31.25	-31.02	-0.57	-2.67	1131.47	-213.17	28.33	889.97	516.15
1	67	205	28.19	-4.62	27.05	-3.48	-6.02	465.70	-739.08	-711.29	437.91	180.87
1	67	206	-2.42e-02	-28.11	-27.85	-0.28	-2.67	1604.77	760.52	1560.45	804.85	188.30
1	67	207	33.79	-12.93	33.70	-12.83	2.12	225.73	-2365.30	-2278.26	138.70	466.82
1	67	208	-0.66	-25.58	-25.31	-0.93	-2.59	2783.94	726.13	2772.57	737.50	-152.52
1	67	209	38.25	11.77	38.21	11.81	1.02	433.02	-3549.30	-3547.14	430.86	-92.79
1	67	210	-0.30	-24.15	-23.66	-0.78	-3.37	3755.58	619.74	3676.83	698.48	-490.66
1	67	211	28.76	-16.43	28.33	-16.00	-4.39	513.32	-2638.86	-2217.65	92.11	-1072.53
1	67	212	0.14	-22.52	-21.64	-0.74	-4.37	4400.34	515.14	4221.61	693.87	-813.92
1	67	213	31.10	-4.67	30.75	-4.33	3.51	1021.90	-1069.26	-370.41	323.05	-986.41
1	67	214	0.96	-20.57	-18.93	-0.68	-5.70	4760.28	408.12	4441.14	727.25	-1134.49
1	67	215	26.55	-1.17	26.40	-1.01	2.05	1740.58	-307.95	1017.29	415.34	-979.05
1	67	216	2.61	-18.19	-15.09	-0.49	-7.41	4839.95	279.35	4310.37	808.93	-1461.08
1	67	217	25.81	-0.10	25.77	-6.58e-02	-0.98	2536.49	-39.30	2090.61	406.58	-974.52
1	67	218	25.48	-1.79e-02	25.13	0.33	-2.96	3276.97	26.70	2925.40	378.27	-1009.50
1	67	219	24.66	-0.21	23.88	0.57	-4.35	3778.23	38.44	3452.21	364.46	-1054.96
1	67	220	37.32	15.22	28.34	24.21	10.86	3868.55	-305.87	1604.06	1958.62	-2079.67
1	67	221	23.33	-0.56	21.93	0.84	-5.62	4046.24	41.84	3718.56	369.52	-1097.62
1	67	222	21.39	-1.16	19.12	1.11	-6.78	4065.74	40.61	3721.68	384.67	-1125.39
1	67	223	16.00	-6.12	8.58	1.31	-10.44	3220.66	473.05	1688.86	2004.85	-1364.69
1	67	224	6.63	-14.03	-4.54	-2.86	-10.29	2142.21	378.38	1565.71	954.88	-827.34
1	67	225	-14.01	-27.82	-21.81	-20.02	6.85	1504.32	-592.49	1328.83	-416.99	-580.68
1	67	226	2.59	-9.39	-9.36	2.56	-0.66	1493.49	-576.48	-202.76	1119.77	796.20
1	67	227	7.38	-16.57	7.26	-16.45	-1.72	192.54	-711.63	-703.18	184.08	-87.04
1	67	228	-6.27e-02	-31.34	-30.96	-0.43	3.39	1173.11	-9.65	253.64	909.82	-492.02
1	67	229	22.73	-0.69	22.71	-0.66	-0.81	558.00	3.01	6.83	554.17	45.91
1	67	230	6.50	-16.21	-10.95	1.24	-9.58	4619.43	107.82	3746.40	980.85	-1782.30
1	67	231	10.88	-10.84	-7.77	7.81	-7.57	4137.80	-212.49	2640.08	1285.22	-2066.96
1	67	232	19.25	-1.77	16.32	1.16	-7.28	3824.32	24.29	3480.07	368.54	-1090.70
1	67	233	15.38	-4.25	12.63	-1.50	-6.81	3345.39	-77.55	3028.65	239.20	-991.91
1	67	234	7.82	-6.03	0.94	0.85	6.93	1771.01	495.83	1090.29	1176.55	636.13
1	67	235	5.66	-8.10	-0.33	-2.11	6.82	1476.98	417.25	1039.12	855.10	521.81
1	67	236	6.77	-8.53	-1.68	-7.76e-02	7.61	1674.52	579.12	1159.09	1094.55	546.75
1	67	237	7.28	-8.32	-1.96	0.91	7.67	1471.29	533.73	808.88	1196.14	426.92
1	67	238	7.44	-6.21	-1.34	2.56	6.54	1546.44	106.28	189.05	1463.68	335.18
1	67	239	3.64	-5.39	0.13	-1.88	4.40	1715.75	-344.07	-263.64	1635.31	399.03
1	67	240	2.24	-5.07	-3.48	0.65	3.02	1680.28	-179.25	-77.76	1578.78	422.40
1	67	241	9.04	-6.18	3.34	-0.48	7.37	1603.45	421.68	1112.50	912.63	582.37
1	67	242	10.26	-4.81	5.17	0.28	7.13	1519.13	239.58	735.80	1022.91	623.46
1	67	243	1.52	-7.65	-5.02	-1.10	4.15	1461.48	297.77	447.54	1311.71	389.69
1	67	244	2.02	-10.04	-7.31	-0.71	5.05	1324.24	654.22	823.18	1155.28	290.96
1	67	245	10.21	-5.07	4.48	0.66	7.40	1408.55	-244.04	48.27	1116.23	630.58
1	67	246	3.98	-10.51	-7.78	1.26	5.66	1293.58	736.01	822.72	1206.87	202.06
1	67	247	11.45	0.22	8.13	3.55	5.13	1488.95	-524.64	-412.30	1376.61	462.15
1	67	248	5.25	-9.90	-7.30	2.65	5.71	1457.42	467.81	482.83	1442.40	121.01
1	67	249	6.44	-4.02	4.67	-2.25	3.92	1223.03	-278.13	-248.61	1193.51	208.44

1	67	250	-2.34	-8.68	-7.29	-3.72	2.62	1529.77	154.69	167.80	1516.66	133.62
1	67	251	0.86	-9.14	-9.11	0.83	0.55	1539.38	241.78	254.83	1526.34	129.46
1	67	252	8.50	-4.73	4.94	-1.17	5.87	1117.21	659.13	786.98	989.36	205.48
1	67	253	7.01	-6.25	4.28	-3.51	5.36	1089.01	308.76	339.42	1058.35	151.60
1	67	254	-0.70	-11.01	-10.72	-1.00	1.72	1287.74	441.82	449.55	1280.00	80.52
1	67	255	8.90	-3.65	5.40	-0.16	5.63	1192.29	570.12	772.18	990.23	291.35
1	67	256	-1.37	-12.19	-11.55	-2.02	2.56	1177.02	434.05	444.25	1166.83	-86.42
1	67	257	8.61	-5.01	4.27	-0.66	6.35	1133.38	186.90	333.12	987.16	342.07
1	67	258	-1.45	-11.74	-10.51	-2.68	3.35	1293.03	-51.83	15.96	1225.24	-294.24
1	67	259	9.84	1.74	7.11	4.47	3.83	1262.35	-29.36	-1.73	1234.72	186.89
1	67	260	5.35	-2.40	5.19	-2.24	1.11	1069.88	44.44	44.99	1069.33	-23.82
1	67	261	0.52	-9.32	-7.04	-1.76	4.15	1544.42	-897.12	-852.37	1499.67	-327.48
1	67	262	4.44	-6.08	-5.03	3.39	3.16	1921.19	-1790.21	-1752.02	1883.00	-374.54
1	67	263	6.18	-4.25	5.70	-3.77	2.18	1015.80	316.18	324.67	1007.31	-76.58
1	67	264	3.63	0.60	3.50	0.73	-0.62	2097.68	-2058.71	-2050.44	2089.41	-185.17
1	67	265	7.47	-2.68	6.97	-2.18	2.20	1004.55	354.02	363.49	995.09	-77.90
1	67	266	5.74	-4.24	-4.04	5.53	-1.41	1879.33	-1375.67	-1375.63	1879.29	11.59
1	67	267	8.52	-2.75	8.47	-2.70	0.74	1067.17	-30.96	-25.30	1061.51	-78.59
1	67	268	0.58	-6.87	-5.77	-0.52	-2.64	1438.66	-137.69	-137.44	1438.41	-19.93
1	67	269	-0.92	-8.27	-7.15	-2.04	-2.64	1380.46	960.86	1253.83	1087.49	-192.61
1	67	270	11.17	-3.86	11.16	-3.85	0.38	1228.34	-893.61	-888.83	1223.55	100.62
1	67	271	11.95	-2.01	11.01	-1.08	3.49	1356.71	-1884.98	-1882.38	1354.12	91.62
1	67	272	-0.20	-8.81	-7.52	-1.49	-3.07	2552.45	808.12	2448.08	912.49	-413.72
1	67	273	21.73	10.75	21.40	11.07	1.86	1759.28	-2223.43	-2213.74	1749.59	-196.15
1	67	274	1.43	-9.24	-7.05	-0.77	-4.31	3487.82	674.64	3335.96	826.50	-635.72
1	67	275	13.74	1.25	12.73	2.26	-3.40	1462.18	-1713.46	-1610.39	1359.11	-562.74
1	67	276	2.94	-10.07	-6.59	-0.54	-5.76	4109.34	583.25	3887.26	805.33	-856.60
1	67	277	13.60	-3.23	13.57	-3.19	-0.76	1418.24	-567.89	-304.93	1155.28	-673.14
1	67	278	5.28	-10.94	-5.43	-0.22	-7.68	4445.03	514.79	4121.21	838.61	-1080.65
1	67	279	12.14	-2.43	12.14	-2.43	-0.14	1689.53	283.34	1077.62	895.25	-697.16
1	67	280	8.12	-12.07	-4.16	0.21	-9.86	4476.77	467.92	4012.90	931.79	-1282.34
1	67	281	10.77	-1.33	10.43	-0.99	-2.00	2516.67	452.56	2214.88	754.34	-729.27
1	67	282	11.46	-12.18	-2.46	1.73	-11.63	4165.58	446.66	3507.03	1105.22	-1419.65
1	67	283	10.83	-1.69	9.37	-0.23	-4.02	3333.68	417.19	3074.18	676.69	-830.35
1	67	284	11.79	-2.62	8.99	0.18	-5.70	3877.55	387.05	3613.95	650.66	-922.30
1	69	1	25.32	5.79	17.47	13.64	9.58	-1111.45	-1985.02	-1539.06	-1557.40	436.69
1	69	2	12.65	0.57	12.62	0.61	0.63	-2849.27	-6276.37	-6275.35	-2850.29	-59.04
1	69	3	0.13	-0.48	0.12	-0.47	9.07e-02	-1252.48	-1952.17	-1951.62	-1253.03	19.62
1	69	4	7.26	-2.51	7.08	-2.32	1.34	-1718.22	-2888.41	-2887.80	-1718.82	26.61
1	69	5	12.90	2.57	7.51	7.95	-5.16	-677.33	-1126.04	-893.47	-909.90	-224.21
1	69	6	12.90	2.58	7.39	8.09	5.15	-677.22	-1125.88	-894.35	-908.74	224.21
1	69	7	7.30	-2.31	7.10	-2.11	-1.39	-1713.94	-2890.16	-2889.51	-1714.59	-27.53
1	69	8	0.15	-0.46	0.13	-0.45	-8.64e-02	-1252.38	-1952.20	-1951.64	-1252.94	-19.76
1	69	9	12.38	0.41	12.35	0.44	-0.62	-2860.27	-6277.64	-6276.65	-2861.25	58.00
1	69	10	25.65	5.74	17.66	13.73	-9.76	-1114.16	-1986.95	-1540.26	-1560.85	-436.27
1	69	21	46.05	3.23	21.23	28.06	21.14	-149.10	-1072.60	-770.37	-451.33	433.32
1	69	22	55.33	-2.71	32.70	19.91	28.31	937.39	-5431.24	-5386.60	892.75	531.31
1	69	23	10.81	-3.39	3.54	3.88	-7.10	362.30	-1489.70	-1477.52	350.12	-149.72
1	69	24	24.36	-18.82	9.01	-3.48	-20.67	284.82	-1899.83	-1833.45	218.45	-374.96
1	69	25	23.26	2.26	12.31	13.21	-10.49	-76.82	-603.58	-349.01	-331.38	-263.24
1	69	26	23.26	2.31	12.27	13.31	10.47	-76.45	-603.31	-349.42	-330.34	263.25
1	69	27	24.28	-19.36	9.08	-4.16	20.79	277.73	-1895.62	-1829.71	211.82	372.68
1	69	28	10.80	-3.45	3.50	3.84	7.12	361.40	-1489.99	-1477.69	349.10	150.39
1	69	29	55.66	-2.26	33.21	20.19	-28.22	945.12	-5428.48	-5384.55	901.19	-527.32
1	69	30	47.04	3.55	21.95	28.64	-21.48	-153.86	-1076.67	-776.90	-453.63	-432.17
1	69	31	7.72	-17.38	-5.41	-4.25	-12.53	1658.26	-310.17	1343.77	4.32	721.21
1	69	32	9.30	1.65	4.75	6.19	3.76	2965.89	52.46	2767.04	251.32	734.72
1	69	33	2.61	7.23e-02	2.59	9.92e-02	-0.26	3619.50	129.98	3543.61	205.87	509.00
1	69	34	2.20	1.80e-02	2.20	1.86e-02	-3.58e-02	4000.63	178.74	3979.32	200.05	284.61
1	69	35	2.02	4.86e-03	2.02	5.17e-03	-2.49e-02	4059.98	186.71	4059.03	187.65	60.45
1	69	36	1.95	-3.33e-04	1.95	-7.44e-05	2.24e-02	3856.64	174.96	3850.36	181.24	-151.92
1	69	37	1.85	2.41e-04	1.84	7.60e-03	0.12	3406.94	141.19	3366.10	182.03	-362.91
1	69	38	1.65	2.34e-02	1.63	4.37e-02	0.18	2729.85	51.94	2598.41	183.39	-578.54
1	69	39	1.29	-0.71	1.28	-0.70	9.20e-02	1870.36	-205.16	1510.74	154.46	-785.53
1	69	40	-0.74	-11.79	-4.76	-7.77	5.32	855.78	-921.29	-50.61	-14.89	-888.36
1	69	41	13.43	-18.84	13.27	-18.68	2.29	128.33	-2346.31	-1895.46	-322.51	-955.20
1	69	42	22.18	-35.54	21.62	-34.98	-5.67	-262.08	-2315.70	-2126.49	-451.29	593.94
1	69	43	-2.81	-15.11	-14.60	-3.33	-2.46	327.27	-1119.77	-840.22	47.72	571.29
1	69	44	1.41e-03	-3.68	-3.67	-6.49e-03	-0.17	668.28	-170.00	289.86	208.42	417.16
1	69	45	-1.84e-02	-2.47	-2.47	-2.03e-02	-6.88e-02	808.45	192.13	778.47	222.11	132.58
1	69	46	-0.54	-4.19	-4.10	-0.62	0.56	757.76	150.24	736.87	171.12	-110.69
1	69	47	3.03	-6.07	3.00	-6.03	0.53	421.53	-178.55	266.50	-23.52	-262.67
1	69	48	0.52	-4.97	-0.13	-4.32	-1.77	588.55	-179.11	376.63	32.81	343.18
1	69	49	-0.51	-3.20	-2.98	-0.72	-0.73	1059.86	141.44	1024.91	176.39	175.73
1	69	50	-0.10	-1.94	-1.92	-0.13	-0.21	1170.13	201.64	1164.51	207.26	-73.54
1	69	51	-0.18	-3.46	-3.36	-0.27	-0.55	890.81	18.87	754.20	155.48	-316.95

1	69	52	4.00	-13.76	1.78	-11.54	5.87	200.95	-527.36	-195.24	-131.16	-362.74
1	69	53	3.37	-11.65	-0.94	-7.34	-6.79	455.57	-470.29	2.14	-16.85	462.83
1	69	54	-1.14	-2.24	-1.70	-1.68	-0.55	1202.32	31.77	1072.89	161.20	367.09
1	69	55	-0.10	-0.82	-0.81	-0.11	-6.04e-02	1570.85	206.15	1560.07	216.94	120.82
1	69	56	1.32	-0.31	0.25	0.75	-0.78	1525.86	195.24	1507.92	213.18	-153.44
1	69	57	3.28	-8.34	-4.22	-0.84	5.56	1001.96	-8.23	896.64	97.09	-308.71
1	69	58	2.87	-8.33	-1.35	-4.11	5.43	928.18	-12.11	96.10	819.97	-300.06
1	69	59	0.80	-0.54	0.49	-0.23	-0.57	1398.32	204.35	219.90	1382.77	-135.35
1	69	60	0.81	-0.52	0.53	-0.24	0.55	1398.25	204.28	219.78	1382.75	135.15
1	69	61	2.85	-8.33	-1.39	-4.09	-5.43	928.43	-11.86	96.36	820.21	300.08
1	69	62	3.30	-8.34	-4.23	-0.80	-5.56	1001.60	-8.63	896.33	96.65	308.66
1	69	63	1.32	-0.35	0.26	0.71	0.80	1525.71	195.39	1507.74	213.36	153.58
1	69	64	-7.38e-02	-0.82	-0.82	-8.01e-02	6.85e-02	1570.87	206.11	1560.09	216.88	-120.77
1	69	65	-1.08	-2.20	-1.70	-1.58	0.56	1201.94	31.72	1072.82	160.84	-366.64
1	69	66	3.21	-11.41	-0.99	-7.21	6.62	453.37	-470.94	0.94	-18.51	-462.05
1	69	67	3.87	-14.01	1.79	-11.93	-5.73	199.58	-526.96	-192.14	-135.24	362.15
1	69	68	-0.19	-3.51	-3.42	-0.28	0.54	890.12	18.90	754.04	154.97	316.28
1	69	69	-9.74e-02	-1.96	-1.93	-0.12	0.22	1169.89	201.50	1164.31	207.08	73.30
1	69	70	-0.51	-3.20	-2.99	-0.72	0.73	1059.82	141.38	1024.82	176.37	-175.83
1	69	71	0.53	-4.97	-0.12	-4.32	1.78	588.81	-178.95	376.86	32.99	-343.22
1	69	72	3.11	-6.09	3.08	-6.06	-0.52	421.38	-178.62	266.64	-23.87	262.49
1	69	73	-0.52	-4.22	-4.15	-0.59	-0.52	757.83	150.33	736.98	171.19	110.61
1	69	74	-5.60e-02	-2.47	-2.47	-5.76e-02	6.22e-02	808.56	192.15	778.51	222.21	-132.74
1	69	75	4.37e-02	-3.62	-3.61	3.73e-02	0.15	668.13	-170.22	289.66	208.24	-417.20
1	69	76	-2.89	-14.89	-14.27	-3.52	2.66	327.27	-1119.07	-839.73	47.93	-570.95
1	69	77	21.81	-35.41	21.22	-34.83	5.74	-257.33	-2314.30	-2125.45	-446.18	-593.97
1	69	78	13.55	-19.00	13.40	-18.85	-2.22	128.02	-2346.15	-1896.35	-321.78	954.23
1	69	79	-0.87	-11.79	-5.04	-7.63	-5.30	856.10	-921.83	-49.97	-15.76	888.80
1	69	80	1.31	-0.83	1.30	-0.82	-0.12	1870.89	-205.28	1510.94	154.67	785.98
1	69	81	1.65	1.25e-03	1.63	2.03e-02	-0.18	2729.92	51.99	2598.44	183.47	578.64
1	69	82	1.85	-3.03e-03	1.84	4.31e-03	-0.12	3406.99	141.27	3366.15	182.11	362.91
1	69	83	1.95	-2.42e-03	1.95	-2.14e-03	-2.36e-02	3856.74	175.00	3850.46	181.28	151.92
1	69	84	2.03	6.58e-04	2.03	9.86e-04	2.58e-02	4060.08	186.85	4059.14	187.79	-60.39
1	69	85	2.20	2.60e-02	2.20	2.62e-02	2.11e-02	4000.88	178.76	3979.53	200.10	-284.82
1	69	86	2.64	1.89e-02	2.61	5.13e-02	0.29	3618.22	130.09	3542.40	205.90	-508.62
1	69	87	9.39	1.98	4.84	6.53	-3.61	2970.54	50.62	2771.85	249.31	-735.31
1	69	88	7.75	-17.37	-5.25	-4.37	12.55	1657.96	-308.29	1343.56	6.12	-720.66
1	69	89	6.45	-14.31	-0.25	-7.61	9.70	1308.33	-95.47	190.06	1022.79	-565.07
1	69	90	1.19	-2.51	0.76	-2.09	-1.18	1850.98	358.67	401.75	1807.91	-249.86
1	69	91	1.22	-2.48	0.82	-2.08	1.15	1850.90	358.59	401.52	1807.97	249.45
1	69	92	6.40	-14.30	-0.33	-7.57	-9.69	1308.07	-95.38	189.77	1022.92	564.70
1	69	93	4.24	-9.10	-9.17e-02	-4.77	-6.24	142.58	-893.38	-646.77	-104.03	-441.21
1	69	94	32.76	7.38	13.14	27.00	10.63	2098.59	244.98	1937.41	406.16	522.29
1	69	95	1.03	-5.51	0.74	-5.22	-1.34	3284.37	-134.71	3252.38	-102.72	329.19
1	69	96	1.75	-0.10	1.75	-9.59e-02	-9.04e-02	3896.37	-32.78	3888.29	-24.70	178.03
1	69	97	1.92	3.77e-02	1.92	3.81e-02	-2.75e-02	4121.79	-23.88	4120.61	-22.70	69.84
1	69	98	1.98	3.82e-02	1.98	3.83e-02	-1.02e-02	4022.24	-22.56	4021.96	-22.28	-33.69
1	69	99	1.96	2.80e-02	1.96	2.80e-02	-3.09e-03	3629.32	-27.79	3624.55	-23.01	-132.06
1	69	100	1.76	3.08e-02	1.76	3.21e-02	-4.68e-02	2944.64	-41.06	2926.89	-23.32	-229.48
1	69	101	1.97	0.75	1.56	1.16	-0.58	1948.42	-60.64	1892.57	-4.79	-330.29
1	69	102	19.75	3.72	8.06	15.41	-7.12	845.40	-180.85	462.09	202.46	-496.43
1	69	103	4.94	-34.36	3.18	-32.60	8.12	-685.44	-1716.76	-1650.09	-752.12	-253.61
1	69	104	-9.74	-115.17	-35.17	-89.74	-45.10	-1454.59	-3940.30	-3694.43	-1700.46	-742.10
1	69	105	26.40	4.56	16.77	14.19	10.85	363.51	-1251.58	-1095.02	206.95	477.86
1	69	106	2.29	-0.64	0.40	1.25	1.40	201.12	-245.72	-29.21	-15.39	223.31
1	69	107	-0.12	-1.41	-1.40	-0.12	-1.73e-02	633.77	-43.66	618.80	-28.68	99.60
1	69	108	7.09e-02	-1.43	-1.38	2.92e-02	-0.25	885.96	-34.67	885.84	-34.55	10.50
1	69	109	4.49	-0.15	1.59	2.75	-2.25	695.41	-5.88	676.49	13.04	-113.62
1	69	110	-2.56	-22.01	-7.35	-17.23	8.38	-227.90	-511.07	-340.26	-398.70	138.53
1	69	111	-0.92	-8.25	-2.02	-7.16	-2.62	229.25	-232.13	215.77	-218.65	77.71
1	69	112	2.69	-0.84	-0.28	2.13	1.29	1027.88	-10.40	1016.93	0.55	106.05
1	69	113	5.88e-02	-1.49	-1.47	3.78e-02	0.18	1228.86	-28.98	1228.86	-28.97	-2.51
1	69	114	0.23	-0.23	-0.23	0.22	-5.41e-02	988.12	-34.31	976.86	-23.05	-106.70
1	69	115	9.62	-1.30	3.03	5.30	-5.34	439.56	-50.93	292.25	96.38	-224.84
1	69	116	0.85	-53.84	-16.45	-36.54	25.43	-548.11	-2067.79	-1844.08	-771.82	538.44
1	69	117	4.21	-0.37	1.95	1.89	2.29	403.23	-183.26	262.60	-42.62	250.41
1	69	118	2.25	-0.95	-0.77	2.07	0.74	1225.34	-21.75	1204.62	-1.03	159.43
1	69	119	-0.20	-1.52	-1.50	-0.22	0.17	1612.58	-35.91	1611.08	-34.41	49.75
1	69	120	-1.47	-2.83	-2.33	-1.97	0.66	1558.19	-71.59	1556.99	-70.39	-44.13
1	69	121	11.29	1.53	3.21	9.60	-3.68	1026.77	62.77	985.38	104.16	-195.42
1	69	122	4.78	-4.06	0.33	0.39	4.42	158.88	-534.47	-387.75	12.16	283.20
1	69	123	5.50	-5.53	-0.47	0.43	5.50	169.58	-601.63	33.10	-465.14	294.33
1	69	124	9.48	1.17	8.03	2.62	-3.15	910.74	29.63	70.57	869.80	-185.45
1	69	125	-1.31	-2.75	-1.46	-2.59	0.44	1421.61	-70.17	-68.91	1420.35	-43.38
1	69	126	-1.42	-2.73	-1.56	-2.59	-0.41	1421.59	-70.02	-68.75	1420.31	43.65
1	69	127	9.43	1.18	7.98	2.63	3.15	910.02	28.12	68.82	869.32	185.03

1	69	128	5.32	-5.55	-0.59	0.36	-5.42	172.34	-601.14	37.06	-465.86	-293.83
1	69	129	4.90	-4.11	0.34	0.45	-4.50	156.05	-535.48	-387.37	7.94	-283.70
1	69	130	11.32	1.52	3.20	9.64	3.69	1027.68	64.33	985.98	106.03	196.03
1	69	131	-1.36	-2.85	-2.34	-1.86	-0.70	1558.28	-71.76	1557.10	-70.58	43.78
1	69	132	-0.25	-1.53	-1.50	-0.28	-0.18	1612.59	-35.92	1611.08	-34.42	-49.76
1	69	133	2.02	-1.01	-0.81	1.81	-0.77	1225.78	-21.49	1204.83	-0.54	-160.29
1	69	134	3.85	-9.84e-02	2.06	1.70	-1.97	407.58	-180.99	265.79	-39.20	-251.69
1	69	135	1.71	-52.66	-16.14	-34.81	-25.53	-544.08	-2071.54	-1852.31	-763.32	-535.55
1	69	136	9.02	-1.35	2.73	4.94	5.06	437.51	-51.34	292.68	93.49	223.21
1	69	137	0.30	-0.14	-0.12	0.28	9.75e-02	988.81	-33.78	977.43	-22.40	107.26
1	69	138	3.12e-02	-1.47	-1.45	8.28e-03	-0.18	1229.01	-28.62	1229.00	-28.61	2.64
1	69	139	2.68	-0.84	-0.28	2.12	-1.29	1027.83	-10.26	1016.88	0.69	-106.07
1	69	140	-0.92	-8.28	-2.03	-7.17	2.63	229.18	-232.14	215.64	-218.60	-77.86
1	69	141	-2.68	-21.95	-7.51	-17.12	-8.35	-227.89	-510.55	-340.40	-398.04	-138.36
1	69	142	4.44	5.66e-03	1.71	2.73	2.16	695.24	-6.24	676.34	12.67	113.60
1	69	143	0.16	-1.42	-1.38	0.12	0.26	885.59	-35.15	885.48	-35.04	-10.25
1	69	144	-0.20	-1.30	-1.30	-0.20	6.75e-03	635.35	-42.27	620.14	-27.06	-100.37
1	69	145	2.06	-0.85	0.10	1.10	-1.37	200.47	-246.42	-31.04	-14.91	-223.30
1	69	146	26.55	3.72	15.87	14.39	-11.39	365.08	-1253.30	-1096.21	207.99	-479.12
1	69	147	-9.30	-115.56	-34.53	-90.32	45.22	-1461.12	-3939.95	-3692.30	-1708.77	743.34
1	69	148	4.84	-34.55	3.15	-32.87	-7.96	-686.54	-1716.21	-1649.41	-753.34	253.61
1	69	149	19.93	3.76	8.29	15.40	7.26	843.99	-181.45	460.37	202.17	496.20
1	69	150	2.00	0.89	1.52	1.37	0.55	1948.06	-60.80	1892.37	-5.11	329.81
1	69	151	1.74	8.34e-02	1.74	8.39e-02	3.04e-02	2944.58	-41.07	2926.85	-23.35	229.36
1	69	152	1.95	4.09e-02	1.95	4.09e-02	-3.48e-04	3629.25	-27.86	3624.48	-23.09	131.98
1	69	153	1.98	4.78e-02	1.98	4.78e-02	8.78e-03	4022.13	-22.70	4021.85	-22.42	33.61
1	69	154	1.92	5.43e-02	1.92	5.45e-02	2.04e-02	4121.70	-24.28	4120.52	-23.09	-69.99
1	69	155	1.79	-6.50e-02	1.78	-6.12e-02	8.33e-02	3895.30	-32.68	3887.27	-24.66	-177.38
1	69	156	0.79	-5.85	0.59	-5.65	1.14	3281.01	-132.78	3248.95	-100.72	-329.28
1	69	157	32.78	6.84	12.92	26.70	-10.99	2097.29	236.05	1936.19	397.15	-523.34
1	69	158	4.40	-8.70	0.43	-4.72	6.02	151.60	-891.06	-645.56	-93.91	442.39
1	69	159	8.68	-3.06	4.86	0.75	5.50	258.77	-1065.41	74.21	-880.85	458.61
1	69	160	15.40	0.41	12.69	3.11	-5.76	1177.95	26.84	113.78	1091.01	-304.18
1	69	161	-2.20	-8.43	-2.27	-8.35	0.68	1888.07	-115.30	-112.12	1884.89	-79.69
1	69	162	-2.37	-8.42	-2.44	-8.36	-0.63	1888.01	-115.28	-112.07	1884.80	80.12
1	69	163	15.27	0.40	12.54	3.14	5.76	1176.07	24.02	110.46	1089.64	303.49
1	69	164	8.39	-3.28	4.39	0.72	-5.54	264.00	-1062.38	82.48	-880.86	-455.86
1	69	165	2.23	5.70e-02	2.23	5.85e-02	5.84e-02	3821.66	728.98	3821.55	729.09	18.29
1	69	166	1.64	1.12	1.39	1.37	-0.26	2579.25	1095.23	2545.61	1128.87	-220.90
1	69	167	2.17	0.46	2.15	0.47	0.17	3723.59	799.97	3721.59	801.98	76.59
1	69	168	1.98	0.97	1.83	1.12	0.36	3303.63	924.38	3294.87	933.13	144.05
1	69	169	1.63	1.12	1.39	1.36	0.25	2580.09	1095.83	2546.72	1129.19	220.02
1	69	170	0.17	-0.45	-0.20	-7.90e-02	-0.31	1021.41	365.09	726.40	660.10	326.48
1	69	171	0.38	-0.48	0.36	-0.46	-0.12	1217.37	740.99	768.46	1189.90	111.04
1	69	172	0.30	-0.38	-0.36	0.28	0.12	1342.22	684.54	1318.17	708.59	123.45
1	69	173	0.38	-0.48	0.36	-0.46	0.12	1217.36	739.86	767.47	1189.76	-111.44
1	69	174	0.37	-0.74	-0.27	-9.09e-02	0.55	1376.40	706.69	1365.40	717.69	-85.12
1	69	175	0.18	-0.46	-0.23	-4.63e-02	0.30	1021.46	364.93	726.16	660.23	-326.61
1	69	176	1.01	-1.22	-0.36	0.15	1.09	1136.75	521.85	935.87	722.72	-288.39
1	69	177	2.20	-2.20	1.78	-1.78	1.30	942.91	-255.93	-9.86	696.84	-484.19
1	69	178	5.68	-3.87	5.53	-3.72	1.19	1150.39	-869.86	-869.54	1150.07	-25.62
1	69	179	0.30	-0.38	-0.36	0.28	-0.12	1342.56	683.62	1318.66	707.52	-123.18
1	69	180	0.37	-0.74	-0.28	-9.09e-02	-0.55	1376.05	707.27	1364.99	718.34	85.31
1	69	181	0.65	-3.49	-1.94	-0.90	-2.00	926.45	397.43	618.39	705.49	260.90
1	69	182	1.01	-1.22	-0.36	0.15	-1.09	1136.76	522.04	935.87	722.93	288.33
1	69	183	-0.10	-2.16	-2.11	-0.15	-0.31	984.95	709.10	973.43	720.63	55.20
1	69	184	2.21	-2.19	1.80	-1.78	-1.28	942.70	-255.71	-9.71	696.69	484.04
1	69	185	-0.14	-1.89	-1.74	-0.28	0.48	963.15	619.42	870.82	711.74	-152.36
1	69	186	5.63	-3.86	5.48	-3.71	-1.19	1150.68	-870.34	-870.03	1150.37	25.08
1	69	187	-0.35	-1.42	-0.51	-1.26	0.38	874.14	63.95	251.70	686.40	-341.85
1	69	188	1.56	-1.81	1.52	-1.77	0.39	1030.58	-347.58	-347.38	1030.37	-16.80
1	69	189	0.65	-3.48	-1.95	-0.88	1.99	926.42	397.31	618.42	705.32	-260.96
1	69	190	-0.63	-1.91	-0.70	-1.84	-0.29	805.26	-44.39	94.34	666.53	314.05
1	69	191	-0.10	-2.16	-2.11	-0.15	0.31	984.97	709.05	973.43	720.59	-55.24
1	69	192	-0.39	-2.68	-2.35	-0.72	-0.81	778.86	508.21	593.75	693.31	125.84
1	69	193	-0.14	-1.89	-1.75	-0.28	-0.48	963.22	619.41	870.90	711.73	152.37
1	69	194	-0.40	-2.71	-2.65	-0.46	0.36	755.44	543.16	577.03	721.57	-77.74
1	69	195	-0.35	-1.39	-0.50	-1.23	-0.37	873.73	64.73	252.25	686.21	341.38
1	69	196	1.57	-1.80	1.52	-1.76	-0.39	1031.82	-346.27	-346.00	1031.56	19.01
1	69	197	3.46	-9.74	-3.05	-3.24	6.60	822.64	-974.53	-821.10	669.22	-502.19
1	69	198	-0.63	-1.93	-0.70	-1.86	0.29	806.56	-44.97	93.44	668.16	-314.17
1	69	199	7.84	-10.20	7.61	-9.98	2.01	784.61	-2452.27	-2294.05	626.39	-697.94
1	69	200	-0.38	-2.67	-2.34	-0.72	0.81	778.74	508.22	593.83	693.13	-125.82
1	69	201	18.78	-11.02	18.43	-10.66	-3.22	1324.56	-3227.47	-3225.73	1322.82	88.93
1	69	202	-0.40	-2.70	-2.65	-0.46	-0.36	755.26	543.30	577.18	721.37	77.68
1	69	203	9.45	-5.00	9.36	-4.91	-1.12	859.74	-2125.87	-1840.66	574.53	877.60

1	69	204	4.25	-2.53	2.44	-0.72	-3.00	1079.15	-493.13	-22.12	608.14	720.22
1	69	205	3.53	-9.71	-3.05	-3.13	-6.62	821.93	-975.18	-821.84	668.60	502.05
1	69	206	2.61	-1.65	1.26	-0.30	-1.98	1652.88	307.60	1363.92	596.56	552.48
1	69	207	7.79	-10.12	7.58	-9.92	-1.90	784.07	-2452.96	-2294.79	625.89	697.85
1	69	208	2.19	-0.58	1.97	-0.35	-0.76	2516.21	482.16	2441.66	556.72	382.22
1	69	209	18.88	-10.95	18.55	-10.63	3.10	1344.48	-3205.71	-3204.26	1343.03	-81.19
1	69	210	2.13	-0.27	2.10	-0.23	-0.29	3236.29	502.65	3216.63	522.30	230.98
1	69	211	9.51	-5.00	9.41	-4.89	1.20	871.94	-2119.09	-1837.13	589.97	-874.00
1	69	212	2.13	-0.12	2.13	-0.12	-9.74e-02	3706.48	509.59	3703.83	512.24	92.07
1	69	213	4.00	-2.52	2.32	-0.84	2.85	1078.18	-494.90	-23.34	606.62	-720.72
1	69	214	2.20	3.41e-03	2.20	4.94e-03	-5.79e-02	3908.64	529.10	3908.02	529.72	-45.83
1	69	215	2.60	-1.65	1.25	-0.30	1.98	1652.51	307.72	1364.03	596.21	-552.02
1	69	216	2.39	0.17	2.37	0.20	-0.22	3826.02	564.03	3814.53	575.51	-193.23
1	69	217	2.18	-0.56	1.96	-0.34	0.75	2516.73	481.70	2442.22	556.21	-382.20
1	69	218	2.13	-0.26	2.09	-0.23	0.29	3236.23	502.75	3216.51	522.47	-231.30
1	69	219	2.13	-0.12	2.13	-0.11	9.74e-02	3706.35	509.58	3703.69	512.24	-92.12
1	69	220	2.31	-0.10	1.58	0.62	1.10	1762.72	242.65	1274.64	730.73	-709.71
1	69	221	2.20	4.52e-03	2.20	6.09e-03	5.88e-02	3908.43	529.25	3907.81	529.88	45.95
1	69	222	2.39	0.18	2.37	0.20	0.22	3826.28	563.70	3814.77	575.21	193.47
1	69	223	1.85	-0.24	1.85	-0.24	-2.98e-02	1707.06	1212.94	1475.94	1444.06	-246.55
1	69	224	1.87	-0.24	1.87	-0.24	4.04e-02	1708.12	1212.69	1477.85	1442.96	247.10
1	69	225	2.43	-0.14	1.77	0.53	-1.12	1764.52	240.33	1278.22	726.62	710.44
1	69	226	1.87	-3.51	1.86	-3.49	-0.29	860.43	-442.98	-267.36	684.81	445.04
1	69	227	1.90	-3.53	1.88	-3.51	0.31	860.48	-442.56	-267.12	685.05	-444.77
1	69	228	0.56	-4.55	-3.32	-0.67	2.18	842.42	-15.18	103.68	723.56	-296.33
1	69	229	0.55	-4.56	-3.35	-0.66	-2.18	842.06	-15.09	103.72	723.24	296.19
1	69	230	3.10	0.47	2.70	0.86	-0.94	3440.96	599.93	3395.43	645.47	-356.77
1	69	231	2.45	1.61	1.97	2.09	-0.42	2745.73	581.03	2606.00	720.75	-531.92
1	69	232	3.08	0.47	2.70	0.85	0.92	3440.96	604.74	3396.07	649.64	354.00
1	69	233	2.46	1.58	1.93	2.12	0.43	2746.34	581.91	2606.69	721.56	531.75
1	69	234	0.14	-0.21	0.12	-0.19	8.37e-02	1226.28	1049.28	1209.53	1066.02	51.80
1	69	235	0.14	-0.21	0.12	-0.18	-8.47e-02	1227.07	1048.62	1210.30	1065.39	-52.08
1	69	236	0.50	-0.48	0.42	-0.40	0.28	1255.11	1045.89	1249.33	1051.68	-34.31
1	69	237	1.09	-0.30	1.01	-0.22	0.33	1198.87	802.58	837.15	1164.30	-111.82
1	69	238	1.55	0.98	1.34	1.19	-0.27	1373.22	161.12	176.21	1358.14	-134.36
1	69	239	3.94	1.17	3.94	1.18	0.11	1535.82	-245.52	-245.47	1535.77	-9.46
1	69	240	0.48	-0.34	0.44	-0.31	-0.16	1385.15	-42.97	-32.97	1375.15	119.07
1	69	241	0.50	-0.48	0.42	-0.39	-0.28	1255.52	1045.39	1249.72	1051.19	34.42
1	69	242	1.09	-0.30	1.01	-0.22	-0.33	1198.93	802.61	837.21	1164.33	111.87
1	69	243	0.12	-1.62	-3.96e-02	-1.46	-0.50	1201.55	499.85	515.64	1185.76	104.05
1	69	244	-0.72	-1.25	-0.86	-1.11	-0.23	1084.55	851.03	853.04	1082.54	21.56
1	69	245	1.55	0.98	1.34	1.19	0.27	1373.21	161.14	176.20	1358.14	134.30
1	69	246	-0.57	-0.97	-0.96	-0.59	7.28e-02	1131.21	760.64	770.44	1121.41	-59.45
1	69	247	3.94	1.17	3.93	1.18	-0.12	1535.84	-245.56	-245.51	1535.79	9.42
1	69	248	0.38	-0.94	-0.93	0.37	-0.11	1264.08	372.81	383.13	1253.76	-95.35
1	69	249	0.48	-0.35	0.45	-0.31	0.16	1385.17	-42.96	-32.96	1375.17	-119.10
1	69	250	0.63	0.56	0.60	0.59	-3.66e-02	1371.42	118.04	118.05	1371.41	-3.89
1	69	251	-0.16	-1.20	-1.20	-0.16	2.59e-02	1260.03	239.22	247.25	1252.00	90.20
1	69	252	-0.72	-1.25	-0.86	-1.11	0.23	1084.54	851.04	853.05	1082.52	-21.62
1	69	253	0.12	-1.62	-3.99e-02	-1.46	0.51	1201.56	499.84	515.65	1185.75	-104.14
1	69	254	-1.02	-1.41	-1.32	-1.11	-0.17	1125.28	484.25	490.51	1119.01	63.08
1	69	255	-0.57	-0.97	-0.96	-0.59	-7.50e-02	1131.23	760.70	770.46	1121.46	59.35
1	69	256	-1.16	-1.84	-1.32	-1.68	0.28	1068.88	447.97	449.09	1067.75	-26.43
1	69	257	0.37	-0.94	-0.93	0.36	0.11	1263.03	373.04	383.49	1252.57	95.89
1	69	258	0.46	-3.55	-0.10	-2.98	1.39	1149.04	-50.71	-36.62	1134.95	-129.25
1	69	259	0.65	0.56	0.60	0.61	4.38e-02	1372.92	119.42	119.43	1372.91	4.03
1	69	260	-0.16	-1.19	-1.19	-0.16	-3.57e-02	1261.57	239.83	247.66	1253.75	-89.08
1	69	261	3.29	-4.42	2.79	-3.91	1.91	1384.86	-967.82	-945.79	1362.82	-226.64
1	69	262	4.16	0.40	4.15	0.40	0.11	1638.28	-1889.27	-1875.54	1624.55	-219.69
1	69	263	-1.02	-1.41	-1.32	-1.11	0.16	1125.20	484.13	490.43	1118.90	-63.22
1	69	264	13.99	5.63	13.96	5.66	-0.50	1888.96	-2112.49	-2112.11	1888.58	38.94
1	69	265	-1.16	-1.84	-1.32	-1.68	-0.29	1068.79	448.03	449.16	1067.66	26.45
1	69	266	6.44	3.25	5.72	3.96	1.33	1583.91	-1425.26	-1394.80	1553.45	301.24
1	69	267	0.46	-3.55	-0.11	-2.98	-1.40	1148.88	-50.62	-36.49	1134.75	129.43
1	69	268	5.91	-0.66	5.80	-0.54	-0.86	1320.71	-175.24	-107.42	1252.90	311.20
1	69	269	4.34	-1.72	4.15	-1.54	-1.04	1379.25	842.36	1254.09	967.52	227.01
1	69	270	3.35	-4.36	2.83	-3.85	-1.93	1384.53	-968.67	-946.48	1362.34	227.43
1	69	271	4.19	0.24	4.19	0.24	-9.39e-02	1643.62	-1883.24	-1870.56	1630.93	211.12
1	69	272	3.05	-1.03	3.00	-0.97	-0.47	2349.01	801.52	2336.52	814.01	138.49
1	69	273	13.77	5.76	13.73	5.80	0.59	1894.98	-2103.44	-2103.09	1894.63	-37.46
1	69	274	2.49	-0.53	2.48	-0.52	-0.19	3127.81	726.21	3124.67	729.34	86.73
1	69	275	6.56	3.27	5.83	4.00	-1.36	1585.44	-1423.27	-1393.31	1555.48	-298.72
1	69	276	2.30	-0.22	2.29	-0.22	-6.85e-02	3619.48	704.31	3619.09	704.70	33.71
1	69	277	5.87	-0.70	5.75	-0.59	0.87	1321.96	-171.96	-106.54	1256.54	-305.70
1	69	278	2.24	5.67e-02	2.23	5.84e-02	-6.01e-02	3822.32	727.87	3822.21	727.99	-18.93
1	69	279	4.31	-1.72	4.11	-1.52	1.07	1382.13	836.60	1253.74	965.00	-231.43

1	69	280	2.17	0.46	2.15	0.47	-0.17	3722.99	801.25	3721.03	803.20	-75.51
1	69	281	3.04	-1.02	2.98	-0.96	0.49	2351.88	796.90	2338.35	810.43	-144.42
1	69	282	1.98	0.97	1.83	1.12	-0.36	3303.91	923.48	3295.03	932.36	-145.12
1	69	283	2.49	-0.53	2.48	-0.52	0.19	3126.83	727.35	3123.79	730.39	-85.30
1	69	284	2.30	-0.22	2.29	-0.22	6.84e-02	3619.00	705.01	3618.62	705.39	-33.28
1	71	1	28.91	7.18	19.02	17.07	10.82	-1317.27	-2399.81	-1825.05	-1892.03	540.24
1	71	2	16.74	0.78	16.71	0.81	0.79	-3584.15	-7926.37	-7925.19	-3585.33	-71.59
1	71	3	0.83	-0.58	0.82	-0.57	0.12	-1558.46	-2437.12	-2436.38	-1559.20	25.45
1	71	4	10.25	-3.05	10.01	-2.81	1.78	-2143.50	-3654.48	-3653.47	-2144.51	39.03
1	71	5	14.45	2.70	7.39	9.77	-5.75	-783.00	-1316.81	-1027.04	-1072.77	-265.92
1	71	6	14.52	2.79	7.33	9.97	5.71	-782.67	-1316.50	-1027.72	-1071.45	266.02
1	71	7	10.29	-2.80	10.02	-2.54	-1.84	-2138.25	-3656.69	-3655.62	-2139.32	-40.29
1	71	8	0.85	-0.55	0.84	-0.54	-0.11	-1558.33	-2437.14	-2436.40	-1559.08	-25.63
1	71	9	16.41	0.57	16.37	0.61	-0.78	-3597.98	-7928.02	-7926.88	-3599.12	70.21
1	71	10	29.20	6.96	19.08	17.09	-11.08	-1321.16	-2402.40	-1827.33	-1896.23	-539.52
1	71	21	53.92	2.91	23.81	33.01	25.09	-202.86	-1285.31	-898.14	-590.02	518.83
1	71	22	70.64	-3.28	42.27	25.08	35.94	1181.13	-6873.74	-6815.40	1122.78	683.06
1	71	23	13.87	-3.86	5.16	4.86	-8.86	451.31	-1862.13	-1846.96	436.15	-186.68
1	71	24	31.84	-25.23	12.14	-5.53	-27.13	344.15	-2465.70	-2372.73	251.18	-502.58
1	71	25	26.12	1.92	13.49	14.55	-12.09	-97.65	-705.60	-384.43	-418.82	-303.48
1	71	26	26.31	2.09	13.62	14.78	12.10	-97.74	-705.33	-384.93	-418.14	303.34
1	71	27	31.79	-25.93	12.24	-6.38	27.32	335.74	-2460.46	-2368.05	243.33	499.85
1	71	28	13.86	-3.93	5.11	4.82	8.89	450.18	-1862.48	-1847.18	434.87	187.51
1	71	29	71.06	-2.71	42.92	25.43	-35.83	1190.82	-6870.21	-6812.78	1133.39	-678.00
1	71	30	54.69	3.11	24.32	33.48	-25.38	-207.83	-1289.55	-905.36	-592.01	-517.67
1	71	31	10.27	-19.63	-6.21	-3.15	-14.87	2094.89	-353.50	1717.84	23.54	883.74
1	71	32	12.85	2.52	6.96	8.41	5.11	3690.48	81.32	3452.74	319.06	895.28
1	71	33	3.99	0.13	3.98	0.15	-0.27	4478.90	164.34	4389.64	253.61	614.14
1	71	34	3.42	2.80e-02	3.42	2.81e-02	-9.24e-03	4939.55	221.07	4915.16	245.46	338.36
1	71	35	3.16	9.91e-03	3.16	1.00e-02	-1.99e-02	5006.77	229.99	5005.93	230.82	63.09
1	71	36	3.06	1.20e-03	3.06	1.47e-03	2.83e-02	4750.76	215.16	4742.04	223.88	-198.71
1	71	37	2.93	3.67e-03	2.93	1.05e-02	0.14	4190.32	172.45	4136.94	225.82	-460.00
1	71	38	2.68	3.83e-02	2.66	5.66e-02	0.22	3348.59	58.28	3178.72	228.14	-728.05
1	71	39	2.23	-0.90	2.23	-0.90	0.10	2284.08	-272.69	1819.77	191.63	-985.68
1	71	40	-0.59	-14.93	-5.55	-9.97	6.82	1032.86	-1192.66	-135.95	-23.86	-1111.35
1	71	41	17.84	-24.33	17.66	-24.14	2.77	141.38	-2994.83	-2441.11	-412.34	-1195.82
1	71	42	28.62	-44.59	27.91	-43.88	-7.18	-331.24	-2939.34	-2702.48	-568.10	749.43
1	71	43	-3.51	-18.41	-17.73	-4.18	-3.10	407.14	-1431.16	-1083.12	59.10	720.19
1	71	44	4.68e-03	-3.96	-3.95	-8.49e-03	-0.23	830.16	-228.22	340.95	260.99	527.68
1	71	45	-2.34e-02	-2.43	-2.43	-2.73e-02	-9.73e-02	999.44	237.46	958.88	278.02	171.06
1	71	46	-0.66	-4.58	-4.46	-0.79	0.69	936.20	189.35	911.49	214.06	-133.58
1	71	47	4.46	-7.59	4.43	-7.56	0.65	518.88	-220.94	326.63	-28.69	-324.45
1	71	48	1.27	-6.16	0.54	-5.43	-2.21	721.72	-227.59	453.80	40.33	427.27
1	71	49	-0.59	-3.42	-3.09	-0.92	-0.90	1296.04	174.30	1251.57	218.77	218.88
1	71	50	-0.12	-1.80	-1.77	-0.16	-0.25	1423.37	249.77	1416.38	256.77	-90.32
1	71	51	-0.20	-3.72	-3.57	-0.34	-0.70	1071.80	17.21	897.41	191.60	-391.79
1	71	52	5.53	-16.76	2.82	-14.05	7.28	228.63	-680.24	-287.94	-163.67	-450.17
1	71	53	4.59	-15.58	-0.45	-10.54	-8.73	509.86	-646.00	-97.98	-38.16	577.16
1	71	54	-1.24	-3.25	-2.02	-2.48	-0.98	1407.74	10.29	1229.76	188.27	465.88
1	71	55	-9.76e-02	-0.60	-0.56	-0.14	-0.14	1871.29	243.76	1853.05	262.00	171.33
1	71	56	2.30	-0.14	1.00	1.16	-1.22	1837.77	244.14	1820.91	261.00	-163.05
1	71	57	4.47	-8.83	-4.64	0.29	6.18	1225.87	12.17	1109.54	128.49	-357.29
1	71	58	3.55	-10.62	-1.54	-5.53	6.80	1107.83	-3.94	128.90	974.98	-360.62
1	71	59	0.92	-0.97	0.59	-0.64	-0.72	1668.28	251.76	270.89	1649.15	-163.52
1	71	60	0.93	-0.96	0.63	-0.65	0.69	1668.18	251.66	270.73	1649.11	163.28
1	71	61	3.52	-10.62	-1.58	-5.51	-6.79	1108.07	-3.74	129.13	975.20	360.65
1	71	62	4.49	-8.82	-4.65	0.32	-6.17	1225.44	11.70	1109.12	128.02	357.28
1	71	63	2.32	-0.18	1.02	1.12	1.25	1837.57	244.27	1820.68	261.16	163.18
1	71	64	-5.64e-02	-0.61	-0.57	-9.92e-02	0.15	1871.31	243.69	1853.09	261.92	-171.26
1	71	65	-1.17	-3.18	-2.01	-2.35	0.99	1407.20	10.24	1229.66	187.77	-465.29
1	71	66	4.38	-15.29	-0.51	-10.40	8.50	507.16	-646.86	-99.50	-40.20	-576.25
1	71	67	5.37	-17.07	2.83	-14.54	-7.10	226.75	-679.42	-284.11	-168.56	449.39
1	71	68	-0.22	-3.77	-3.64	-0.35	0.68	1070.92	17.26	897.18	191.00	390.99
1	71	69	-0.12	-1.82	-1.78	-0.16	0.25	1423.08	249.60	1416.13	256.55	90.03
1	71	70	-0.59	-3.42	-3.10	-0.91	0.91	1295.98	174.23	1251.46	218.75	-219.00
1	71	71	1.28	-6.17	0.55	-5.43	2.22	722.04	-227.39	454.10	40.56	-427.32
1	71	72	4.56	-7.63	4.52	-7.60	-0.64	518.69	-221.02	326.80	-29.13	324.23
1	71	73	-0.64	-4.62	-4.51	-0.75	-0.64	936.29	189.47	911.63	214.14	133.47
1	71	74	-7.08e-02	-2.43	-2.42	-7.41e-02	8.91e-02	999.59	237.48	958.94	278.14	-171.26
1	71	75	5.74e-02	-3.89	-3.88	4.65e-02	0.21	829.96	-228.50	340.70	260.76	-527.72
1	71	76	-3.60	-18.14	-17.31	-4.43	3.36	407.13	-1430.28	-1082.51	59.37	-719.75
1	71	77	28.15	-44.43	27.41	-43.69	7.27	-325.29	-2937.56	-2701.16	-561.70	-749.44
1	71	78	17.99	-24.53	17.82	-24.36	-2.69	140.97	-2994.67	-2442.25	-411.46	1194.58
1	71	79	-0.77	-14.92	-5.90	-9.79	-6.81	1033.22	-1193.32	-135.14	-24.96	1111.91
1	71	80	2.26	-1.06	2.25	-1.05	-0.14	2284.77	-272.86	1820.02	191.90	986.24
1	71	81	2.69	9.50e-03	2.67	2.67e-02	-0.21	3348.68	58.33	3178.75	228.25	728.17

1	71	82	2.94	-4.55e-04	2.93	6.39e-03	-0.14	4190.37	172.54	4137.00	225.92	459.99
1	71	83	3.07	-1.36e-03	3.07	-1.07e-03	-2.97e-02	4750.88	215.20	4742.15	223.93	198.71
1	71	84	3.17	4.72e-03	3.17	4.86e-03	2.10e-02	5006.89	230.16	5006.06	230.99	-63.02
1	71	85	3.42	3.84e-02	3.42	3.84e-02	-9.26e-03	4939.86	221.10	4915.43	245.53	-338.63
1	71	86	4.03	5.87e-02	4.01	8.28e-02	0.31	4477.20	164.52	4388.05	253.68	-613.62
1	71	87	12.95	2.93	7.06	8.82	-4.93	3696.46	79.08	3458.83	316.70	-896.17
1	71	88	10.35	-19.64	-6.03	-3.26	14.93	2094.51	-351.05	1717.74	25.72	-882.87
1	71	89	8.26	-18.59	5.78e-03	-10.34	12.39	1605.63	-108.63	257.47	1239.53	-702.54
1	71	90	1.51	-3.64	0.97	-3.10	-1.57	2257.13	453.69	509.38	2201.44	-311.98
1	71	91	1.55	-3.60	1.05	-3.10	1.53	2257.00	453.56	509.07	2201.49	311.50
1	71	92	8.18	-18.57	-0.10	-10.28	-12.37	1605.25	-108.62	257.04	1239.59	702.13
1	71	93	4.86	-8.34	-0.79	-2.69	-6.53	177.54	-918.68	-648.05	-93.09	-472.68
1	71	94	41.49	10.56	17.67	34.38	13.01	2639.94	337.84	2452.64	525.15	629.37
1	71	95	2.00	-7.33	1.64	-6.97	-1.79	4076.96	-170.83	4039.42	-133.29	397.57
1	71	96	2.84	-0.13	2.83	-0.12	-0.11	4816.78	-39.71	4807.35	-30.28	213.76
1	71	97	3.02	4.47e-02	3.02	4.50e-02	-3.24e-02	5085.89	-29.21	5084.61	-27.93	80.98
1	71	98	3.09	4.68e-02	3.09	4.68e-02	-1.14e-02	4956.72	-28.00	4956.29	-27.57	-46.37
1	71	99	3.07	3.43e-02	3.07	3.43e-02	-3.28e-03	4465.37	-34.89	4459.09	-28.61	-167.93
1	71	100	2.83	3.91e-02	2.83	4.04e-02	-6.00e-02	3611.43	-51.99	3588.51	-29.06	-288.89
1	71	101	2.98	1.12	2.62	1.49	-0.74	2369.10	-77.72	2296.73	-5.34	-414.56
1	71	102	25.52	5.25	10.99	19.78	-9.13	1021.00	-252.14	508.48	260.38	-624.37
1	71	103	6.64	-44.24	4.34	-41.95	10.56	-885.91	-2216.73	-2138.23	-964.42	-313.54
1	71	104	-11.84	-144.85	-43.62	-113.07	-56.72	-1831.86	-4977.91	-4668.70	-2141.07	-936.58
1	71	105	33.62	6.00	21.74	17.88	13.67	456.09	-1598.52	-1403.47	261.05	602.25
1	71	106	3.14	-0.42	1.14	1.58	1.77	242.14	-322.96	-61.57	-19.26	281.76
1	71	107	-0.16	-1.10	-1.10	-0.16	-2.34e-02	775.67	-55.82	755.90	-36.05	126.68
1	71	108	0.12	-1.14	-1.06	3.79e-02	-0.31	1095.42	-43.50	1095.21	-43.29	15.44
1	71	109	5.87	0.22	2.66	3.43	-2.80	860.70	-6.93	837.50	16.27	-139.95
1	71	110	-2.73	-27.32	-8.54	-21.51	10.44	-285.99	-640.03	-428.54	-497.48	173.63
1	71	111	-0.62	-10.34	-1.91	-9.05	-3.30	270.42	-291.26	253.60	-274.44	95.74
1	71	112	3.51	-0.52	0.30	2.69	1.62	1256.73	-12.55	1242.83	1.34	132.06
1	71	113	8.88e-02	-1.26	-1.23	4.99e-02	0.23	1498.13	-35.87	1498.13	-35.87	-3.04
1	71	114	0.35	0.22	0.29	0.28	-6.65e-02	1191.30	-42.69	1176.97	-28.36	-132.20
1	71	115	12.20	-1.24	4.38	6.58	-6.63	517.42	-75.78	320.91	120.73	-279.20
1	71	116	1.34	-66.37	-19.56	-45.47	31.27	-678.93	-2603.35	-2325.77	-956.51	676.12
1	71	117	4.27	-0.85	2.41	1.01	2.46	415.95	-276.56	216.09	-76.70	313.79
1	71	118	3.55	-0.59	-0.25	3.21	1.13	1426.08	-20.75	1396.00	9.33	206.43
1	71	119	-0.18	-1.39	-1.34	-0.23	0.25	1917.76	-43.83	1915.20	-41.27	70.82
1	71	120	-1.61	-3.57	-2.39	-2.79	0.96	1877.36	-91.89	1876.53	-91.06	-40.38
1	71	121	14.61	2.50	4.73	12.38	-4.69	1268.89	100.20	1225.24	143.85	-221.60
1	71	122	5.58	-2.62	0.60	2.36	4.00	187.49	-525.14	-368.34	30.69	295.22
1	71	123	5.36	-10.64	-3.00	-2.28	8.00	195.57	-726.01	42.67	-573.11	342.83
1	71	124	11.71	1.60	9.94	3.37	-3.84	1085.36	30.23	83.37	1032.22	-230.75
1	71	125	-1.58	-3.93	-1.72	-3.79	0.55	1696.67	-85.28	-83.64	1695.03	-54.10
1	71	126	-1.72	-3.90	-1.84	-3.78	-0.50	1696.68	-85.03	-83.36	1695.01	54.43
1	71	127	11.64	1.61	9.87	3.38	3.82	1084.83	28.66	81.53	1031.96	230.32
1	71	128	5.07	-10.68	-3.19	-2.42	-7.86	198.28	-726.12	46.49	-574.33	-342.45
1	71	129	5.67	-2.68	0.56	2.43	-4.07	184.34	-526.85	-368.44	25.94	-295.91
1	71	130	14.63	2.50	4.71	12.43	4.68	1270.17	101.92	1226.21	145.88	222.31
1	71	131	-1.53	-3.57	-2.41	-2.69	-1.01	1877.53	-91.99	1876.72	-91.17	40.05
1	71	132	-0.26	-1.41	-1.34	-0.33	-0.27	1917.78	-43.84	1915.22	-41.28	-70.85
1	71	133	3.25	-0.69	-0.30	2.86	-1.18	1426.77	-20.37	1396.34	10.05	-207.61
1	71	134	3.88	-0.56	2.55	0.77	-2.04	421.60	-273.92	220.34	-72.66	-315.40
1	71	135	2.42	-64.89	-19.15	-43.32	-31.41	-674.24	-2608.31	-2336.02	-946.53	-672.67
1	71	136	11.44	-1.31	3.99	6.14	6.28	514.78	-76.08	321.31	117.39	277.28
1	71	137	0.51	0.26	0.43	0.34	0.12	1192.14	-42.07	1177.67	-27.59	132.89
1	71	138	5.65e-02	-1.24	-1.20	1.35e-02	-0.23	1498.31	-35.43	1498.31	-35.42	3.20
1	71	139	3.50	-0.52	0.31	2.67	-1.63	1256.67	-12.38	1242.77	1.52	-132.09
1	71	140	-0.61	-10.37	-1.92	-9.06	3.32	270.33	-291.28	253.44	-274.38	-95.92
1	71	141	-2.88	-27.24	-8.74	-21.38	-10.41	-285.98	-639.39	-428.72	-496.65	-173.41
1	71	142	5.81	0.41	2.81	3.41	2.68	860.49	-7.38	837.31	15.80	139.92
1	71	143	0.24	-1.14	-1.06	0.15	0.33	1094.95	-44.10	1094.75	-43.90	-15.12
1	71	144	-0.25	-0.98	-0.98	-0.25	1.01e-02	777.67	-54.08	757.59	-34.01	-127.66
1	71	145	2.83	-0.67	0.77	1.39	-1.72	241.38	-323.91	-63.87	-18.66	-281.74
1	71	146	33.79	4.96	20.61	18.14	-14.36	458.08	-1600.67	-1404.95	262.36	-603.85
1	71	147	-11.28	-145.34	-42.83	-113.80	56.86	-1840.11	-4977.45	-4666.02	-2151.54	938.13
1	71	148	6.51	-44.49	4.32	-42.30	-10.35	-887.26	-2216.03	-2137.38	-965.91	313.56
1	71	149	25.75	5.29	11.28	19.76	9.31	1019.23	-252.97	506.27	260.00	624.07
1	71	150	2.97	1.35	2.56	1.76	0.70	2368.64	-77.91	2296.47	-5.75	413.94
1	71	151	2.81	0.11	2.81	0.11	3.89e-02	3611.36	-52.00	3588.46	-29.10	288.74
1	71	152	3.06	5.04e-02	3.06	5.04e-02	-1.15e-03	4465.27	-34.98	4459.00	-28.71	167.84
1	71	153	3.08	5.85e-02	3.08	5.85e-02	9.67e-03	4956.58	-28.17	4956.15	-27.74	46.27
1	71	154	3.01	6.50e-02	3.01	6.52e-02	2.38e-02	5085.78	-29.70	5084.49	-28.41	-81.16
1	71	155	2.89	-8.29e-02	2.88	-7.94e-02	0.10	4815.38	-39.59	4806.02	-30.23	-212.94
1	71	156	1.72	-7.74	1.46	-7.48	1.56	4072.48	-168.56	4034.89	-130.97	-397.51
1	71	157	41.53	9.81	17.37	33.96	-13.52	2637.98	326.74	2450.44	514.28	-631.10

1	71	158	5.17	-7.88	-5.64e-02	-2.65	6.39	188.48	-914.32	-644.99	-80.85	473.80
1	71	159	9.06	-10.25	2.15	-3.34	9.26	302.67	-1319.03	95.07	-1111.43	541.82
1	71	160	19.74	1.03	16.30	4.47	-7.26	1436.86	24.82	141.78	1319.90	-389.20
1	71	161	-2.70	-11.52	-2.79	-11.43	0.89	2302.50	-145.03	-140.78	2298.26	-101.86
1	71	162	-2.91	-11.52	-2.99	-11.44	-0.82	2302.50	-144.86	-140.57	2298.21	102.40
1	71	163	19.58	1.02	16.11	4.49	7.24	1435.12	21.84	138.21	1318.75	388.48
1	71	164	8.57	-10.55	1.51	-3.49	-9.23	308.03	-1316.81	103.39	-1112.16	-539.11
1	71	165	3.39	0.13	3.39	0.13	9.00e-02	4714.18	895.77	4714.08	895.87	19.37
1	71	166	2.37	1.61	2.06	1.92	-0.37	3211.69	1329.87	3173.02	1368.55	-266.98
1	71	167	3.27	0.69	3.24	0.71	0.26	4601.91	978.31	4599.65	980.58	90.55
1	71	168	2.94	1.41	2.73	1.62	0.53	4094.59	1125.81	4084.53	1135.88	172.56
1	71	169	2.36	1.61	2.06	1.91	0.37	3212.72	1330.56	3174.36	1368.92	265.95
1	71	170	0.46	-0.74	-0.27	-1.41e-02	-0.59	1231.39	459.11	901.69	788.81	381.99
1	71	171	0.64	-0.68	0.63	-0.67	-0.12	1452.63	905.08	938.20	1419.51	130.53
1	71	172	0.63	-0.30	-0.15	0.48	0.33	1610.18	830.88	1587.43	853.63	131.19
1	71	173	0.65	-0.69	0.64	-0.67	0.12	1452.61	903.75	937.04	1419.32	-131.00
1	71	174	0.82	-0.91	4.78e-03	-9.52e-02	0.87	1636.57	849.42	1617.24	868.76	-121.84
1	71	175	0.47	-0.75	-0.30	2.52e-02	0.59	1231.44	458.94	901.42	788.95	-382.14
1	71	176	1.55	-1.55	-3.45e-02	4.40e-02	1.55	1354.41	592.89	1069.44	877.85	-368.51
1	71	177	3.31	-2.72	2.96	-2.37	1.41	1141.94	-399.74	-107.76	849.96	-604.06
1	71	178	7.86	-4.91	7.70	-4.75	1.39	1417.79	-1151.12	-1150.72	1417.39	-32.01
1	71	179	0.63	-0.30	-0.15	0.48	-0.34	1610.61	829.80	1588.02	852.38	-130.85
1	71	180	0.82	-0.92	2.85e-03	-9.53e-02	-0.87	1636.13	850.13	1616.69	869.57	122.07
1	71	181	1.14	-3.97	-1.75	-1.08	-2.53	1130.43	471.12	729.63	871.92	321.89
1	71	182	1.56	-1.54	-3.16e-02	4.70e-02	-1.55	1354.45	593.13	1069.44	878.14	368.45
1	71	183	-0.10	-2.04	-1.95	-0.19	-0.40	1194.29	878.16	1179.37	893.09	67.04
1	71	184	3.34	-2.71	3.00	-2.37	-1.39	1141.68	-399.45	-107.55	849.78	603.86
1	71	185	-0.11	-1.75	-1.49	-0.37	0.60	1182.19	762.27	1060.51	883.94	-190.50
1	71	186	7.80	-4.90	7.64	-4.74	-1.40	1418.13	-1151.72	-1151.34	1417.75	31.31
1	71	187	0.18	-1.71	5.57e-02	-1.59	0.46	1084.87	67.43	298.19	854.11	-426.07
1	71	188	2.62	-2.27	2.57	-2.22	0.49	1283.86	-441.58	-441.31	1283.58	-21.91
1	71	189	1.14	-3.96	-1.76	-1.06	2.52	1130.39	470.98	729.66	871.71	-321.97
1	71	190	-0.14	-2.37	-0.20	-2.31	-0.35	1001.94	-58.67	111.27	832.00	389.05
1	71	191	-0.10	-2.04	-1.95	-0.19	0.40	1194.32	878.09	1179.38	893.03	-67.09
1	71	192	-0.38	-2.80	-2.26	-0.92	-1.01	967.21	631.57	732.26	866.52	153.80
1	71	193	-0.11	-1.75	-1.50	-0.37	-0.59	1182.27	762.26	1060.60	883.93	190.52
1	71	194	-0.48	-2.74	-2.64	-0.58	0.46	945.57	664.06	706.61	903.02	-100.84
1	71	195	0.18	-1.67	6.71e-02	-1.56	-0.45	1084.36	68.40	298.88	853.88	425.48
1	71	196	2.63	-2.25	2.58	-2.21	-0.49	1285.41	-439.97	-439.62	1285.06	24.66
1	71	197	4.75	-11.95	-3.13	-4.06	8.34	1029.98	-1249.60	-1058.03	838.41	-632.46
1	71	198	-0.14	-2.40	-0.20	-2.34	0.36	1003.57	-59.40	110.15	834.03	-389.20
1	71	199	10.61	-12.90	10.31	-12.60	2.64	982.91	-3110.92	-2912.48	784.47	-879.20
1	71	200	-0.37	-2.79	-2.25	-0.91	1.01	967.06	631.60	732.36	866.30	-153.78
1	71	201	24.41	-13.91	23.99	-13.49	-3.98	1661.14	-4098.76	-4096.69	1659.06	109.33
1	71	202	-0.49	-2.73	-2.63	-0.59	-0.47	945.34	664.23	706.79	902.77	100.76
1	71	203	12.65	-6.36	12.57	-6.27	-1.26	1068.75	-2724.08	-2372.61	717.27	1099.80
1	71	204	5.84	-3.17	3.69	-1.02	-3.84	1331.21	-668.84	-96.39	758.75	904.01
1	71	205	4.84	-11.90	-3.13	-3.92	-8.36	1029.10	-1250.43	-1058.96	837.64	632.29
1	71	206	3.73	-1.95	2.17	-0.39	-2.53	2015.96	365.29	1636.73	744.51	694.38
1	71	207	10.55	-12.80	10.28	-12.52	-2.51	982.21	-3111.75	-2913.37	783.83	879.10
1	71	208	3.32	-0.69	3.08	-0.45	-0.96	3080.63	596.21	2983.43	693.41	481.71
1	71	209	24.53	-13.83	24.15	-13.45	3.83	1686.20	-4071.35	-4069.62	1684.48	-99.63
1	71	210	3.28	-0.33	3.24	-0.29	-0.37	3977.25	622.32	3951.38	648.19	293.45
1	71	211	12.73	-6.35	12.63	-6.25	1.37	1084.24	-2715.66	-2368.17	736.75	-1095.30
1	71	212	3.29	-0.14	3.29	-0.13	-0.13	4564.73	629.03	4560.98	632.77	121.42
1	71	213	5.53	-3.17	3.53	-1.17	3.66	1329.97	-671.08	-97.93	756.82	-904.65
1	71	214	3.38	3.16e-02	3.38	3.46e-02	-0.10	4820.79	650.70	4820.23	651.27	-48.43
1	71	215	3.71	-1.96	2.16	-0.40	2.53	2015.47	365.46	1636.87	744.06	-693.80
1	71	216	3.63	0.27	3.59	0.31	-0.35	4726.22	691.81	4713.18	704.85	-229.01
1	71	217	3.31	-0.67	3.07	-0.43	0.95	3081.27	595.63	2984.14	692.77	-481.67
1	71	218	3.28	-0.32	3.24	-0.28	0.37	3977.18	622.45	3951.24	648.39	-293.85
1	71	219	3.29	-0.14	3.29	-0.13	0.13	4564.57	629.01	4560.82	632.77	-121.49
1	71	220	3.37	-0.53	1.98	0.87	1.87	2203.02	313.01	1629.11	886.92	-869.09
1	71	221	3.38	3.31e-02	3.38	3.62e-02	0.10	4820.55	650.90	4819.98	651.46	48.57
1	71	222	3.63	0.28	3.59	0.31	0.35	4726.55	691.41	4713.48	704.48	229.31
1	71	223	2.70	-0.40	2.69	-0.40	-6.98e-02	2111.80	1497.04	1857.17	1751.67	-302.82
1	71	224	2.71	-0.40	2.71	-0.40	8.31e-02	2113.33	1496.56	1859.54	1750.35	303.52
1	71	225	3.50	-0.54	2.19	0.77	-1.89	2205.42	310.11	1633.53	882.00	869.97
1	71	226	3.05	-4.43	3.01	-4.39	-0.55	1056.31	-590.16	-377.10	843.25	552.63
1	71	227	3.08	-4.46	3.04	-4.42	0.57	1056.37	-589.69	-376.84	843.51	-552.32
1	71	228	0.90	-5.23	-3.48	-0.85	2.77	1054.48	-40.40	107.78	906.29	-374.55
1	71	229	0.89	-5.25	-3.51	-0.84	-2.76	1054.02	-40.30	107.83	905.90	374.38
1	71	230	4.57	0.67	4.01	1.23	-1.36	4260.42	736.06	4207.49	788.99	-428.66
1	71	231	3.70	2.18	2.95	2.94	-0.76	3412.69	716.90	3249.27	880.32	-643.30
1	71	232	4.54	0.67	4.00	1.21	1.35	4260.42	741.84	4208.24	794.02	425.30
1	71	233	3.70	2.15	2.89	2.96	0.77	3413.37	717.88	3250.03	881.22	643.12

1	71	234	0.39	-0.20	0.34	-0.16	0.15	1471.07	1262.87	1454.80	1279.15	55.89
1	71	235	0.39	-0.20	0.34	-0.16	-0.15	1471.98	1262.11	1455.67	1278.42	-56.18
1	71	236	0.97	-0.61	0.85	-0.48	0.43	1487.42	1263.29	1476.13	1274.58	-49.02
1	71	237	1.83	-0.45	1.74	-0.35	0.46	1464.68	909.57	949.16	1425.09	-142.86
1	71	238	2.29	1.37	2.16	1.50	-0.32	1689.10	113.47	131.61	1670.96	-168.10
1	71	239	5.69	1.61	5.68	1.62	0.16	1896.16	-372.76	-372.70	1896.10	-11.54
1	71	240	1.32	-0.26	1.31	-0.25	-0.14	1709.56	-102.31	-90.11	1697.37	148.14
1	71	241	0.97	-0.61	0.85	-0.48	-0.43	1487.95	1262.67	1476.65	1273.98	49.18
1	71	242	1.83	-0.45	1.74	-0.35	-0.46	1464.74	909.61	949.22	1425.12	142.91
1	71	243	0.84	-1.95	0.69	-1.79	-0.64	1485.28	582.66	601.34	1466.60	128.49
1	71	244	-0.28	-1.47	-0.36	-1.39	-0.30	1343.97	1027.76	1029.94	1341.79	26.17
1	71	245	2.29	1.38	2.16	1.50	0.31	1689.09	113.49	131.62	1670.97	168.02
1	71	246	-0.46	-0.77	-0.49	-0.75	8.49e-02	1405.05	923.97	935.76	1393.26	-74.40
1	71	247	5.68	1.61	5.68	1.62	-0.17	1896.18	-372.82	-372.76	1896.12	11.47
1	71	248	0.48	-0.49	-0.46	0.46	-0.15	1572.99	449.26	462.01	1560.25	-119.00
1	71	249	1.33	-0.26	1.31	-0.25	0.15	1709.59	-102.31	-90.11	1697.38	-148.19
1	71	250	1.45	0.74	1.44	0.74	-4.01e-02	1708.85	137.89	137.90	1708.83	-5.24
1	71	251	-0.22	-0.82	-0.82	-0.22	2.97e-02	1571.65	291.27	301.08	1561.85	111.62
1	71	252	-0.28	-1.47	-0.36	-1.39	0.30	1343.97	1027.76	1029.96	1341.77	-26.24
1	71	253	0.84	-1.94	0.69	-1.79	0.65	1485.28	582.64	601.35	1466.57	-128.61
1	71	254	-0.88	-1.49	-0.96	-1.41	-0.20	1405.58	595.52	603.00	1398.10	77.48
1	71	255	-0.47	-0.77	-0.49	-0.75	-8.75e-02	1405.08	924.04	935.79	1393.33	74.27
1	71	256	-0.85	-2.23	-0.95	-2.13	0.36	1337.57	544.96	546.46	1336.07	-34.46
1	71	257	0.47	-0.49	-0.47	0.45	0.14	1571.68	449.53	462.44	1558.77	119.68
1	71	258	1.21	-4.38	0.59	-3.76	1.76	1439.61	-85.77	-68.09	1421.93	-163.27
1	71	259	1.44	0.75	1.44	0.75	4.91e-02	1710.71	139.58	139.60	1710.69	5.42
1	71	260	-0.21	-0.80	-0.80	-0.22	-4.19e-02	1573.58	292.03	301.58	1564.03	-110.23
1	71	261	4.85	-5.51	4.25	-4.91	2.41	1736.68	-1242.52	-1214.94	1709.09	-285.35
1	71	262	5.99	0.58	5.98	0.58	0.10	2054.97	-2405.43	-2388.15	2037.69	-277.11
1	71	263	-0.88	-1.49	-0.96	-1.41	0.20	1405.47	595.38	602.89	1397.95	-77.66
1	71	264	18.38	7.16	18.35	7.20	-0.63	2371.36	-2696.57	-2696.12	2370.92	47.73
1	71	265	-0.85	-2.23	-0.95	-2.13	-0.37	1337.46	545.04	546.54	1335.96	34.49
1	71	266	8.61	4.21	7.85	4.97	1.67	1986.43	-1847.03	-1809.45	1948.85	377.68
1	71	267	1.21	-4.39	0.58	-3.76	-1.77	1439.41	-85.66	-67.93	1421.68	163.49
1	71	268	8.10	-0.89	7.97	-0.75	-1.10	1653.51	-285.76	-203.42	1571.17	391.04
1	71	269	6.08	-2.21	5.86	-1.99	-1.33	1674.83	1034.52	1499.20	1210.15	285.68
1	71	270	4.92	-5.44	4.31	-4.83	-2.44	1736.27	-1243.58	-1215.80	1708.49	286.36
1	71	271	6.04	0.38	6.03	0.38	-8.99e-02	2061.64	-2397.88	-2381.92	2045.67	266.31
1	71	272	4.45	-1.31	4.39	-1.24	-0.60	2868.64	998.34	2852.18	1014.80	174.70
1	71	273	18.12	7.33	18.06	7.38	0.75	2378.92	-2685.25	-2684.83	2378.50	-45.92
1	71	274	3.74	-0.66	3.73	-0.65	-0.24	3841.26	901.25	3837.12	905.39	110.28
1	71	275	8.77	4.24	7.98	5.02	-1.71	1988.38	-1844.51	-1807.56	1951.43	-374.52
1	71	276	3.49	-0.25	3.49	-0.25	-9.09e-02	4456.86	869.89	4456.31	870.45	44.60
1	71	277	8.05	-0.95	7.91	-0.81	1.11	1655.17	-281.74	-202.30	1575.74	-384.12
1	71	278	3.40	0.13	3.39	0.13	-9.26e-02	4714.99	894.42	4714.88	894.52	-20.10
1	71	279	6.04	-2.20	5.81	-1.97	1.37	1678.60	1027.14	1498.77	1206.96	-291.23
1	71	280	3.26	0.69	3.24	0.72	-0.26	4601.16	979.87	4598.96	982.07	-89.28
1	71	281	4.43	-1.29	4.36	-1.22	0.63	2872.29	992.50	2854.47	1010.32	-182.18
1	71	282	2.95	1.40	2.74	1.61	-0.53	4094.93	1124.75	4084.72	1134.95	-173.81
1	71	283	3.74	-0.66	3.73	-0.65	0.24	3840.03	902.68	3836.02	906.70	-108.47
1	71	284	3.49	-0.25	3.49	-0.25	9.07e-02	4456.26	870.75	4455.72	871.29	-44.02
1	73	1	26.03	6.08	17.78	14.32	9.82	-1152.68	-2067.91	-1596.26	-1624.33	457.40
1	73	2	13.47	0.61	13.44	0.65	0.66	-2996.25	-6606.37	-6605.32	-2997.30	-61.55
1	73	3	0.27	-0.50	0.26	-0.49	9.61e-02	-1313.68	-2049.16	-2048.57	-1314.27	20.78
1	73	4	7.86	-2.62	7.66	-2.42	1.43	-1803.28	-3041.62	-3040.93	-1803.96	29.10
1	73	5	13.19	2.60	7.48	8.32	-5.28	-698.51	-1164.15	-920.18	-942.48	-232.55
1	73	6	13.21	2.64	7.38	8.47	5.26	-698.36	-1163.95	-921.03	-941.29	232.57
1	73	7	7.90	-2.41	7.68	-2.19	-1.48	-1798.81	-3043.46	-3042.73	-1799.53	-30.09
1	73	8	0.29	-0.48	0.27	-0.47	-9.16e-02	-1313.57	-2049.19	-2048.59	-1314.17	-20.93
1	73	9	13.19	0.44	13.15	0.48	-0.65	-3007.81	-6607.71	-6606.70	-3008.83	60.44
1	73	10	26.35	5.99	17.94	14.40	-10.02	-1155.63	-2069.97	-1597.67	-1627.92	-456.92
1	73	21	47.63	3.17	21.75	29.05	21.93	-160.02	-1114.97	-795.93	-479.07	450.42
1	73	22	58.39	-2.83	34.62	20.95	29.84	986.13	-5719.74	-5672.36	938.76	561.66
1	73	23	11.42	-3.48	3.86	4.07	-7.45	380.10	-1564.19	-1551.41	367.32	-157.11
1	73	24	25.85	-20.10	9.64	-3.89	-21.96	296.66	-2012.97	-1941.31	224.99	-400.48
1	73	25	23.83	2.20	12.55	13.48	-10.81	-81.17	-623.79	-356.10	-348.87	-271.28
1	73	26	23.87	2.26	12.54	13.60	10.79	-80.91	-623.52	-356.52	-347.90	271.27
1	73	27	25.78	-20.68	9.71	-4.61	22.10	289.30	-2008.56	-1937.38	218.12	398.11
1	73	28	11.41	-3.55	3.82	4.04	7.48	379.15	-1564.49	-1551.59	366.25	157.81
1	73	29	58.74	-2.35	35.16	21.23	-29.74	994.26	-5716.83	-5670.20	947.63	-557.46
1	73	30	48.57	3.46	22.42	29.61	-22.26	-164.83	-1119.08	-802.59	-481.31	-449.27
1	73	31	8.22	-17.82	-5.57	-4.03	-13.00	1745.56	-318.81	1418.59	8.17	753.72
1	73	32	10.01	1.82	5.20	6.64	4.03	3110.80	58.25	2904.18	264.87	766.83
1	73	33	2.89	8.47e-02	2.86	0.11	-0.26	3791.37	136.86	3712.81	215.42	530.03
1	73	34	2.45	2.01e-02	2.45	2.05e-02	-3.05e-02	4188.41	187.21	4166.49	209.13	295.36
1	73	35	2.25	5.89e-03	2.25	6.14e-03	-2.39e-02	4249.33	195.37	4248.41	196.29	60.98

1	73	36	2.17	-2.29e-05	2.17	2.34e-04	2.36e-02	4035.46	183.00	4028.70	189.77	-161.28
1	73	37	2.06	1.02e-03	2.06	8.18e-03	0.12	3563.61	147.45	3520.27	190.79	-382.33
1	73	38	1.85	2.67e-02	1.83	4.63e-02	0.19	2853.58	53.23	2714.47	192.34	-608.45
1	73	39	1.48	-0.75	1.47	-0.74	9.45e-02	1953.06	-218.62	1572.55	161.89	-825.56
1	73	40	-0.71	-12.42	-4.92	-8.21	5.62	891.12	-975.48	-67.68	-16.69	-932.95
1	73	41	14.31	-19.94	14.15	-19.77	2.39	130.92	-2475.99	-2004.59	-340.48	-1003.33
1	73	42	23.47	-37.35	22.88	-36.76	-5.97	-275.91	-2440.43	-2241.69	-474.65	625.04
1	73	43	-2.95	-15.77	-15.23	-3.50	-2.59	343.24	-1182.04	-888.80	49.99	601.07
1	73	44	1.99e-03	-3.74	-3.73	-6.89e-03	-0.18	700.64	-181.63	300.08	218.94	439.26
1	73	45	-1.94e-02	-2.46	-2.46	-2.17e-02	-7.45e-02	846.64	201.21	814.55	233.29	140.28
1	73	46	-0.56	-4.26	-4.17	-0.66	0.58	793.44	158.06	771.79	179.71	-115.27
1	73	47	3.32	-6.37	3.29	-6.34	0.55	441.00	-187.03	278.53	-24.55	-275.03
1	73	48	0.67	-5.20	6.87e-03	-4.54	-1.86	615.18	-188.80	392.06	34.32	360.00
1	73	49	-0.53	-3.24	-3.00	-0.76	-0.76	1107.09	148.01	1070.24	184.87	184.36
1	73	50	-0.11	-1.92	-1.89	-0.13	-0.22	1220.78	211.27	1214.89	217.16	-76.90
1	73	51	-0.18	-3.51	-3.41	-0.29	-0.58	926.99	18.56	782.84	162.71	-331.92
1	73	52	4.31	-14.36	1.99	-12.04	6.15	206.40	-557.85	-213.78	-137.67	-380.23
1	73	53	3.61	-12.43	-0.84	-7.98	-7.18	466.20	-505.20	-17.89	-21.11	485.70
1	73	54	-1.17	-2.44	-1.77	-1.84	-0.63	1243.26	27.62	1104.27	166.61	386.84
1	73	55	-0.10	-0.77	-0.76	-0.11	-7.58e-02	1630.87	213.75	1618.66	225.95	130.93
1	73	56	1.51	-0.27	0.40	0.84	-0.87	1588.20	205.07	1570.52	222.74	-155.37
1	73	57	3.51	-8.43	-4.30	-0.62	5.68	1046.71	-4.11	939.22	103.37	-318.42
1	73	58	3.00	-8.79	-1.39	-4.39	5.70	964.10	-10.47	102.66	850.97	-312.17
1	73	59	0.83	-0.63	0.51	-0.31	-0.60	1452.31	213.84	230.10	1436.05	-140.98
1	73	60	0.83	-0.61	0.55	-0.32	0.58	1452.24	213.76	229.97	1436.03	140.77
1	73	61	2.99	-8.79	-1.43	-4.38	-5.70	964.35	-10.23	102.92	851.21	312.19
1	73	62	3.53	-8.43	-4.32	-0.58	-5.68	1046.33	-4.53	938.89	102.92	318.38
1	73	63	1.52	-0.31	0.41	0.79	0.89	1588.04	205.21	1570.33	222.92	155.50
1	73	64	-7.36e-02	-0.78	-0.77	-8.39e-02	8.43e-02	1630.88	213.70	1618.69	225.89	-130.87
1	73	65	-1.10	-2.39	-1.76	-1.74	0.65	1242.84	27.57	1104.18	166.23	-386.37
1	73	66	3.44	-12.18	-0.90	-7.85	6.99	463.90	-505.89	-19.15	-22.84	-484.89
1	73	67	4.17	-14.62	2.00	-12.45	-6.01	204.93	-557.37	-210.54	-141.90	379.60
1	73	68	-0.19	-3.56	-3.46	-0.29	0.56	926.26	18.59	782.67	162.18	331.23
1	73	69	-0.10	-1.93	-1.90	-0.13	0.22	1220.53	211.12	1214.68	216.98	76.64
1	73	70	-0.53	-3.24	-3.01	-0.76	0.76	1107.05	147.95	1070.15	184.85	-184.47
1	73	71	0.68	-5.21	1.40e-02	-4.54	1.87	615.45	-188.63	392.31	34.51	-360.04
1	73	72	3.40	-6.40	3.37	-6.37	-0.54	440.85	-187.10	278.67	-24.92	274.84
1	73	73	-0.54	-4.30	-4.22	-0.62	-0.54	793.53	158.16	771.91	179.78	115.18
1	73	74	-5.90e-02	-2.46	-2.46	-6.09e-02	6.76e-02	846.75	201.23	814.60	233.39	-140.45
1	73	75	4.64e-02	-3.67	-3.66	3.91e-02	0.16	700.48	-181.86	299.87	218.75	-439.30
1	73	76	-3.04	-15.54	-14.88	-3.70	2.80	343.23	-1181.30	-888.29	50.22	-600.71
1	73	77	23.07	-37.21	22.46	-36.60	6.05	-270.93	-2438.95	-2240.60	-469.29	-625.06
1	73	78	14.44	-20.11	14.28	-19.95	-2.32	130.59	-2475.83	-2005.53	-339.71	1002.30
1	73	79	-0.85	-12.42	-5.21	-8.06	-5.60	891.45	-976.05	-67.01	-17.60	933.42
1	73	80	1.50	-0.87	1.49	-0.87	-0.12	1953.62	-218.75	1572.75	162.12	826.03
1	73	81	1.86	3.18e-03	1.84	2.16e-02	-0.18	2853.66	53.27	2714.50	192.43	608.55
1	73	82	2.07	-2.43e-03	2.06	4.72e-03	-0.12	3563.65	147.53	3520.32	190.87	382.32
1	73	83	2.18	-2.21e-03	2.18	-1.93e-03	-2.48e-02	4035.56	183.04	4028.80	189.81	161.28
1	73	84	2.25	1.49e-03	2.25	1.76e-03	2.48e-02	4249.44	195.52	4248.52	196.43	-60.92
1	73	85	2.44	2.86e-02	2.44	2.87e-02	1.50e-02	4188.67	187.23	4166.71	209.19	-295.58
1	73	86	2.92	2.75e-02	2.89	5.76e-02	0.29	3790.00	136.99	3711.53	215.46	-529.62
1	73	87	10.10	2.17	5.28	6.99	-3.87	3115.71	56.32	2909.25	262.79	-767.48
1	73	88	8.27	-17.82	-5.41	-4.15	13.03	1745.25	-316.82	1418.39	10.04	-753.10
1	73	89	6.81	-15.17	-0.20	-8.16	10.24	1367.75	-98.06	203.54	1066.14	-592.56
1	73	90	1.25	-2.74	0.80	-2.29	-1.26	1932.20	377.68	423.27	1886.61	-262.29
1	73	91	1.29	-2.71	0.87	-2.29	1.23	1932.11	377.59	423.03	1886.67	261.86
1	73	92	6.75	-15.15	-0.29	-8.11	-10.23	1367.46	-97.99	203.22	1066.25	592.19
1	73	93	4.34	-8.92	-0.23	-4.35	-6.30	149.56	-898.42	-647.03	-101.84	-447.50
1	73	94	34.50	8.02	14.04	28.48	11.10	2206.82	263.59	2040.45	429.96	543.70
1	73	95	1.22	-5.87	0.92	-5.57	-1.43	3442.89	-141.93	3409.79	-108.83	342.86
1	73	96	1.97	-0.11	1.96	-0.10	-9.50e-02	4080.45	-34.16	4072.10	-25.81	185.17
1	73	97	2.14	3.91e-02	2.14	3.95e-02	-2.85e-02	4314.61	-24.94	4313.41	-23.74	72.06
1	73	98	2.21	3.99e-02	2.21	4.00e-02	-1.04e-02	4209.14	-23.65	4208.83	-23.34	-36.22
1	73	99	2.18	2.93e-02	2.18	2.93e-02	-3.13e-03	3796.53	-29.20	3791.46	-24.13	-139.23
1	73	100	1.97	3.25e-02	1.97	3.37e-02	-4.94e-02	3077.99	-43.25	3059.22	-24.47	-241.36
1	73	101	2.17	0.83	1.77	1.22	-0.61	2032.55	-64.05	1973.40	-4.90	-347.14
1	73	102	20.90	4.03	8.64	16.29	-7.52	880.35	-194.94	471.37	214.04	-522.02
1	73	103	5.28	-36.33	3.41	-34.47	8.61	-725.57	-1816.73	-1747.72	-794.58	-265.60
1	73	104	-10.16	-121.11	-36.86	-94.41	-47.43	-1530.05	-4147.82	-3889.28	-1788.58	-780.99
1	73	105	27.84	4.85	17.76	14.93	11.41	382.02	-1320.96	-1156.71	217.77	502.74
1	73	106	2.46	-0.59	0.55	1.32	1.48	209.28	-261.12	-35.68	-16.16	235.00
1	73	107	-0.13	-1.35	-1.34	-0.13	-1.85e-02	662.15	-46.09	646.22	-30.16	105.01
1	73	108	7.89e-02	-1.37	-1.32	3.10e-02	-0.26	927.85	-36.44	927.71	-36.30	11.49
1	73	109	4.77	-7.21e-02	1.81	2.89	-2.36	728.47	-6.09	708.69	13.68	-118.89
1	73	110	-2.60	-23.07	-7.59	-18.08	8.79	-239.52	-536.86	-357.92	-418.46	145.55
1	73	111	-0.86	-8.67	-2.00	-7.53	-2.75	237.49	-243.96	223.34	-229.81	81.31

1	73	112	2.85	-0.77	-0.17	2.24	1.35	1073.65	-10.83	1062.11	0.70	111.25
1	73	113	6.42e-02	-1.44	-1.42	4.02e-02	0.19	1282.72	-30.36	1282.71	-30.35	-2.62
1	73	114	0.24	-0.13	-0.13	0.23	-5.66e-02	1028.76	-35.98	1016.88	-24.11	-111.80
1	73	115	10.14	-1.29	3.30	5.55	-5.60	455.03	-55.80	297.98	101.25	-235.71
1	73	116	0.95	-56.34	-17.07	-38.32	26.60	-574.28	-2174.90	-1940.42	-808.76	565.98
1	73	117	4.21	-0.45	2.04	1.72	2.32	405.45	-201.59	253.29	-49.44	263.08
1	73	118	2.51	-0.87	-0.66	2.30	0.82	1265.44	-21.50	1242.89	1.04	168.83
1	73	119	-0.19	-1.50	-1.47	-0.22	0.18	1673.61	-37.48	1671.90	-35.78	53.96
1	73	120	-1.51	-2.96	-2.34	-2.13	0.72	1622.01	-75.64	1620.90	-74.53	-43.38
1	73	121	11.95	1.73	3.52	10.16	-3.89	1075.16	70.29	1033.35	112.10	-200.66
1	73	122	4.92	-3.75	0.38	0.79	4.34	164.59	-532.59	-383.87	15.86	285.60
1	73	123	5.47	-6.55	-0.97	-0.11	6.00	174.75	-626.47	35.02	-486.74	304.03
1	73	124	9.93	1.26	8.41	2.77	-3.29	945.65	29.76	73.13	902.29	-194.51
1	73	125	-1.37	-2.98	-1.52	-2.83	0.47	1476.62	-73.19	-71.85	1475.28	-45.52
1	73	126	-1.48	-2.96	-1.62	-2.82	-0.43	1476.60	-73.02	-71.67	1475.25	45.80
1	73	127	9.88	1.26	8.36	2.78	3.28	944.97	28.24	71.36	901.85	194.09
1	73	128	5.27	-6.58	-1.11	-0.20	-5.91	177.50	-626.11	38.95	-487.55	-303.55
1	73	129	5.04	-3.81	0.39	0.85	-4.42	161.70	-533.74	-383.58	11.54	-286.14
1	73	130	11.98	1.72	3.50	10.20	3.89	1076.14	71.89	1034.03	114.00	201.29
1	73	131	-1.41	-2.97	-2.36	-2.03	-0.77	1622.12	-75.79	1621.03	-74.70	43.03
1	73	132	-0.25	-1.50	-1.47	-0.29	-0.20	1673.61	-37.50	1671.91	-35.79	-53.98
1	73	133	2.27	-0.95	-0.71	2.02	-0.85	1265.93	-21.21	1243.13	1.58	-169.75
1	73	134	3.84	-0.17	2.16	1.51	-1.98	410.06	-199.25	256.70	-45.90	-264.43
1	73	135	1.85	-55.11	-16.74	-36.52	-26.71	-570.12	-2178.89	-1949.05	-799.96	-562.97
1	73	136	9.50	-1.34	2.98	5.18	5.31	452.86	-56.19	298.40	98.27	234.03
1	73	137	0.32	-3.97e-02	-7.91e-03	0.29	0.10	1029.47	-35.43	1017.48	-23.44	112.38
1	73	138	3.55e-02	-1.42	-1.40	9.32e-03	-0.19	1282.87	-29.98	1282.86	-29.98	2.75
1	73	139	2.85	-0.77	-0.16	2.23	-1.36	1073.60	-10.69	1062.06	0.85	-111.27
1	73	140	-0.86	-8.70	-2.01	-7.55	2.77	237.41	-243.97	223.20	-229.76	-81.47
1	73	141	-2.72	-23.01	-7.75	-17.98	-8.77	-239.51	-536.31	-358.07	-417.76	-145.37
1	73	142	4.71	8.92e-02	1.93	2.87	2.26	728.29	-6.47	708.53	13.29	118.86
1	73	143	0.18	-1.37	-1.32	0.13	0.27	927.47	-36.94	927.34	-36.81	-11.22
1	73	144	-0.21	-1.24	-1.24	-0.21	7.42e-03	663.81	-44.63	647.63	-28.45	-105.83
1	73	145	2.21	-0.81	0.24	1.16	-1.44	208.61	-261.88	-37.61	-15.66	-234.99
1	73	146	27.99	3.97	16.82	15.14	-11.98	383.68	-1322.77	-1157.96	218.87	-504.07
1	73	147	-9.70	-121.51	-36.19	-95.02	47.55	-1536.92	-4147.45	-3887.04	-1797.32	782.30
1	73	148	5.17	-36.54	3.39	-34.75	-8.44	-726.71	-1816.14	-1747.00	-795.86	265.60
1	73	149	21.09	4.06	8.89	16.27	7.67	878.86	-195.58	469.55	213.73	521.77
1	73	150	2.18	0.99	1.72	1.45	0.58	2032.17	-64.21	1973.19	-5.24	346.63
1	73	151	1.95	8.79e-02	1.95	8.85e-02	3.21e-02	3077.93	-43.26	3059.17	-24.50	241.24
1	73	152	2.17	4.28e-02	2.17	4.28e-02	-5.08e-04	3796.45	-29.28	3791.38	-24.21	139.15
1	73	153	2.20	4.99e-02	2.20	5.00e-02	8.96e-03	4209.02	-23.79	4208.71	-23.48	36.14
1	73	154	2.13	5.64e-02	2.13	5.67e-02	2.10e-02	4314.51	-25.36	4313.31	-24.16	-72.22
1	73	155	2.01	-6.85e-02	2.00	-6.49e-02	8.72e-02	4079.31	-34.07	4071.02	-25.77	-184.49
1	73	156	0.98	-6.23	0.76	-6.01	1.23	3439.30	-139.93	3406.13	-106.77	-342.93
1	73	157	34.53	7.43	13.81	28.15	-11.50	2205.39	254.22	2039.04	420.57	-544.89
1	73	158	4.54	-8.51	0.33	-4.30	6.10	158.95	-895.70	-645.44	-91.30	448.67
1	73	159	8.75	-4.50	4.32	-6.79e-02	6.25	267.48	-1116.06	78.39	-926.97	475.25
1	73	160	16.27	0.53	13.41	3.38	-6.06	1229.70	26.47	119.38	1136.79	-321.19
1	73	161	-2.30	-9.05	-2.38	-8.97	0.72	1970.95	-121.24	-117.85	1967.57	-84.13
1	73	162	-2.48	-9.04	-2.55	-8.97	-0.67	1970.90	-121.19	-117.77	1967.48	84.58
1	73	163	16.13	0.53	13.25	3.41	6.05	1227.84	23.62	116.01	1135.46	320.49
1	73	164	8.42	-4.73	3.81	-0.12	-6.28	272.74	-1113.20	86.66	-927.12	-472.51
1	73	165	2.47	7.14e-02	2.46	7.31e-02	6.47e-02	4000.17	762.34	4000.06	762.44	18.50
1	73	166	1.78	1.22	1.52	1.48	-0.28	2705.72	1142.17	2671.09	1176.81	-230.11
1	73	167	2.39	0.50	2.37	0.52	0.19	3899.26	835.64	3897.20	837.70	79.39
1	73	168	2.17	1.06	2.01	1.22	0.39	3461.82	964.67	3452.80	973.68	149.76
1	73	169	1.78	1.22	1.52	1.47	0.28	2706.60	1142.79	2672.25	1177.14	229.21
1	73	170	0.23	-0.51	-0.21	-6.60e-02	-0.36	1063.35	383.96	761.46	685.84	337.58
1	73	171	0.43	-0.52	0.42	-0.50	-0.12	1264.42	773.81	802.41	1235.82	114.94
1	73	172	0.36	-0.36	-0.32	0.32	0.16	1395.76	713.86	1372.02	737.59	125.00
1	73	173	0.43	-0.52	0.42	-0.50	0.12	1264.41	772.64	801.38	1235.67	-115.35
1	73	174	0.46	-0.77	-0.22	-9.18e-02	0.61	1428.33	735.34	1415.77	747.90	-92.46
1	73	175	0.24	-0.51	-0.24	-3.20e-02	0.36	1063.40	383.79	761.21	685.98	-337.71
1	73	176	1.12	-1.28	-0.30	0.13	1.18	1179.99	536.35	962.59	753.75	-304.41
1	73	177	2.42	-2.30	2.02	-1.90	1.32	982.62	-284.60	-29.44	727.47	-508.17
1	73	178	6.11	-4.08	5.96	-3.93	1.23	1203.87	-926.12	-925.78	1203.53	-26.90
1	73	179	0.36	-0.36	-0.32	0.32	-0.17	1396.11	712.91	1372.53	736.49	-124.72
1	73	180	0.46	-0.77	-0.22	-9.18e-02	-0.61	1427.97	735.95	1415.33	748.59	92.66
1	73	181	0.74	-3.59	-1.90	-0.94	-2.11	967.18	412.24	640.64	738.77	273.10
1	73	182	1.12	-1.28	-0.29	0.13	-1.18	1180.01	536.55	962.58	753.98	304.36
1	73	183	-0.10	-2.13	-2.08	-0.16	-0.33	1026.81	742.92	1014.61	755.12	57.57
1	73	184	2.43	-2.29	2.04	-1.89	-1.31	982.40	-284.37	-29.28	727.31	508.00
1	73	185	-0.13	-1.86	-1.69	-0.30	0.51	1006.92	648.02	908.76	746.18	-159.98
1	73	186	6.06	-4.07	5.91	-3.92	-1.23	1204.17	-926.62	-926.29	1203.85	26.32
1	73	187	-0.25	-1.47	-0.40	-1.32	0.40	916.28	64.66	261.00	719.94	-358.69

1	73	188	1.78	-1.90	1.73	-1.86	0.41	1081.23	-366.38	-366.16	1081.01	-17.82
1	73	189	0.74	-3.57	-1.91	-0.92	2.10	967.15	412.12	640.66	738.60	-273.16
1	73	190	-0.54	-2.00	-0.60	-1.93	-0.30	844.59	-47.24	97.73	699.62	329.05
1	73	191	-0.10	-2.13	-2.08	-0.16	0.33	1026.84	742.87	1014.62	755.08	-57.61
1	73	192	-0.39	-2.70	-2.33	-0.76	-0.85	816.51	532.90	621.45	727.95	131.43
1	73	193	-0.14	-1.86	-1.70	-0.30	-0.51	1006.99	648.02	908.84	746.17	160.00
1	73	194	-0.42	-2.71	-2.65	-0.48	0.38	793.46	567.35	602.95	757.86	-82.36
1	73	195	-0.25	-1.44	-0.39	-1.30	-0.39	915.85	65.47	261.58	719.74	358.20
1	73	196	1.78	-1.89	1.74	-1.85	-0.41	1082.54	-365.01	-364.73	1082.26	20.14
1	73	197	3.72	-10.18	-3.07	-3.40	6.95	864.11	-1029.54	-868.49	703.06	-528.24
1	73	198	-0.54	-2.02	-0.60	-1.96	0.31	845.96	-47.85	96.78	701.33	-329.18
1	73	199	8.39	-10.74	8.15	-10.50	2.13	824.27	-2584.00	-2417.74	658.00	-734.19
1	73	200	-0.39	-2.69	-2.32	-0.76	0.85	816.39	532.91	621.54	727.77	-131.41
1	73	201	19.91	-11.59	19.54	-11.23	-3.37	1391.88	-3401.73	-3399.92	1390.07	93.01
1	73	202	-0.42	-2.71	-2.64	-0.49	-0.38	793.27	567.49	603.10	757.65	82.30
1	73	203	10.09	-5.27	10.00	-5.18	-1.15	901.53	-2245.50	-1947.05	603.08	922.04
1	73	204	4.56	-2.66	2.69	-0.78	-3.17	1129.50	-528.21	-36.97	638.26	756.98
1	73	205	3.79	-10.14	-3.06	-3.29	-6.97	863.37	-1030.23	-869.27	702.40	528.10
1	73	206	2.83	-1.70	1.45	-0.32	-2.09	1725.41	319.22	1418.48	626.15	580.86
1	73	207	8.34	-10.66	8.12	-10.44	-2.03	823.69	-2584.72	-2418.50	657.48	734.10
1	73	208	2.42	-0.60	2.19	-0.37	-0.80	2629.08	504.99	2550.01	584.06	402.12
1	73	209	20.01	-11.53	19.67	-11.19	3.24	1412.82	-3378.84	-3377.34	1411.32	-84.88
1	73	210	2.36	-0.28	2.32	-0.24	-0.31	3384.48	526.59	3363.58	547.48	243.47
1	73	211	10.15	-5.27	10.05	-5.17	1.24	914.39	-2238.39	-1943.34	619.33	-918.26
1	73	212	2.36	-0.12	2.36	-0.12	-0.10	3878.13	533.48	3875.26	536.35	97.94
1	73	213	4.31	-2.65	2.56	-0.90	3.02	1128.47	-530.07	-38.26	636.66	-757.51
1	73	214	2.44	9.05e-03	2.44	1.09e-02	-6.64e-02	4091.07	553.42	4090.46	554.03	-46.35
1	73	215	2.82	-1.71	1.43	-0.32	2.09	1725.02	319.35	1418.60	625.78	-580.38
1	73	216	2.64	0.19	2.61	0.22	-0.24	4006.06	589.59	3994.26	601.38	-200.39
1	73	217	2.41	-0.58	2.18	-0.36	0.79	2629.62	504.50	2550.60	583.52	-402.09
1	73	218	2.36	-0.28	2.32	-0.24	0.31	3384.41	526.70	3363.46	547.65	-243.81
1	73	219	2.36	-0.12	2.36	-0.12	0.10	3877.99	533.47	3875.12	536.35	-98.00
1	73	220	2.52	-0.18	1.66	0.67	1.26	1850.68	256.83	1345.54	761.97	-741.59
1	73	221	2.44	1.03e-02	2.44	1.21e-02	6.73e-02	4090.85	553.59	4090.24	554.20	46.48
1	73	222	2.64	0.20	2.61	0.22	0.24	4006.33	589.24	3994.51	601.06	200.64
1	73	223	2.02	-0.27	2.02	-0.27	-3.78e-02	1787.74	1270.03	1552.19	1505.58	-257.80
1	73	224	2.04	-0.27	2.04	-0.27	4.90e-02	1788.89	1269.74	1554.19	1504.44	258.38
1	73	225	2.64	-0.21	1.85	0.58	-1.28	1852.60	254.39	1349.29	757.70	742.34
1	73	226	2.11	-3.69	2.09	-3.67	-0.34	899.59	-472.40	-289.31	716.50	466.56
1	73	227	2.14	-3.71	2.11	-3.69	0.36	899.64	-471.97	-289.07	716.74	-466.28
1	73	228	0.63	-4.68	-3.35	-0.70	2.30	884.83	-20.22	104.50	760.10	-311.97
1	73	229	0.62	-4.70	-3.38	-0.70	-2.30	884.45	-20.13	104.55	759.77	311.82
1	73	230	3.39	0.51	2.97	0.94	-1.02	3604.84	627.17	3557.84	674.17	-371.15
1	73	231	2.70	1.72	2.16	2.26	-0.49	2879.09	608.23	2734.66	752.66	-554.19
1	73	232	3.37	0.51	2.96	0.92	1.01	3604.84	632.17	3558.50	678.51	368.26
1	73	233	2.71	1.70	2.12	2.29	0.50	2879.72	609.13	2735.36	753.49	554.02
1	73	234	0.19	-0.21	0.17	-0.18	9.73e-02	1275.21	1092.03	1258.59	1108.65	52.61
1	73	235	0.19	-0.21	0.16	-0.18	-9.85e-02	1276.02	1091.34	1259.37	1108.00	-52.90
1	73	236	0.60	-0.51	0.50	-0.41	0.31	1301.45	1089.49	1294.69	1096.26	-37.26
1	73	237	1.24	-0.33	1.16	-0.24	0.35	1251.96	824.05	859.55	1216.46	-118.03
1	73	238	1.69	1.07	1.51	1.25	-0.28	1436.39	151.60	167.29	1420.70	-141.11
1	73	239	4.29	1.26	4.29	1.26	0.12	1607.89	-270.97	-270.91	1607.84	-9.88
1	73	240	0.64	-0.32	0.62	-0.30	-0.15	1450.03	-54.84	-44.40	1439.59	124.89
1	73	241	0.60	-0.51	0.50	-0.41	-0.31	1301.88	1088.97	1295.11	1095.75	37.37
1	73	242	1.24	-0.33	1.16	-0.24	-0.35	1252.02	824.08	859.61	1216.49	118.08
1	73	243	0.26	-1.68	0.11	-1.52	-0.53	1258.29	516.42	532.78	1241.93	108.94
1	73	244	-0.65	-1.28	-0.76	-1.16	-0.25	1136.43	886.38	888.42	1134.39	22.49
1	73	245	1.68	1.07	1.51	1.25	0.28	1436.38	151.61	167.29	1420.71	141.05
1	73	246	-0.60	-0.88	-0.86	-0.62	7.52e-02	1185.97	793.31	803.50	1175.78	-62.44
1	73	247	4.29	1.26	4.28	1.26	-0.13	1607.90	-271.01	-270.96	1607.85	9.83
1	73	248	0.40	-0.85	-0.83	0.38	-0.12	1325.86	388.10	398.90	1315.05	-100.08
1	73	249	0.65	-0.33	0.62	-0.30	0.16	1450.05	-54.83	-44.39	1439.61	-124.92
1	73	250	0.78	0.61	0.77	0.62	-3.73e-02	1438.91	122.01	122.02	1438.89	-4.16
1	73	251	-0.17	-1.12	-1.12	-0.17	2.67e-02	1322.35	249.63	258.02	1313.97	94.49
1	73	252	-0.65	-1.28	-0.76	-1.16	0.24	1136.42	886.39	888.44	1134.37	-22.54
1	73	253	0.26	-1.68	0.11	-1.52	0.53	1258.30	516.40	532.79	1241.91	-109.03
1	73	254	-1.03	-1.39	-1.25	-1.17	-0.17	1181.34	506.50	513.01	1174.83	65.96
1	73	255	-0.60	-0.89	-0.87	-0.62	-7.75e-02	1186.00	793.37	803.53	1175.84	62.33
1	73	256	-1.11	-1.91	-1.24	-1.77	0.30	1122.62	467.37	468.57	1121.41	-28.04
1	73	257	0.39	-0.85	-0.84	0.38	0.11	1324.76	388.34	399.28	1313.81	100.65
1	73	258	0.61	-3.71	3.47e-02	-3.14	1.47	1207.16	-57.72	-42.91	1192.35	-136.06
1	73	259	0.78	0.62	0.77	0.64	4.48e-02	1440.48	123.45	123.46	1440.47	4.31
1	73	260	-0.17	-1.11	-1.11	-0.17	-3.69e-02	1323.97	250.27	258.44	1315.80	-93.31
1	73	261	3.60	-4.63	3.08	-4.11	2.01	1455.22	-1022.76	-999.62	1432.08	-238.38
1	73	262	4.52	0.44	4.52	0.44	0.11	1721.62	-1992.50	-1978.06	1707.18	-231.17
1	73	263	-1.03	-1.38	-1.24	-1.17	0.17	1181.25	506.38	512.92	1174.71	-66.11

1	73	264	14.87	5.94	14.83	5.97	-0.53	1985.44	-2229.30	-2228.91	1985.04	40.70
1	73	265	-1.11	-1.91	-1.25	-1.77	-0.30	1122.52	467.43	468.63	1121.32	28.05
1	73	266	6.87	3.44	6.15	4.16	1.40	1664.41	-1509.61	-1477.73	1632.53	316.53
1	73	267	0.60	-3.72	2.38e-02	-3.14	-1.47	1206.99	-57.63	-42.78	1192.13	136.24
1	73	268	6.35	-0.70	6.23	-0.58	-0.91	1387.26	-197.33	-126.62	1316.55	327.17
1	73	269	4.68	-1.82	4.49	-1.63	-1.10	1438.15	881.01	1303.11	1016.05	238.75
1	73	270	3.66	-4.58	3.13	-4.04	-2.03	1454.88	-1023.65	-1000.34	1431.57	239.22
1	73	271	4.56	0.27	4.56	0.27	-9.31e-02	1727.22	-1986.17	-1972.83	1713.88	222.16
1	73	272	3.33	-1.08	3.28	-1.03	-0.50	2452.93	840.88	2439.65	854.17	145.74
1	73	273	14.64	6.07	14.60	6.12	0.62	1991.77	-2219.80	-2219.44	1991.40	-39.15
1	73	274	2.74	-0.55	2.73	-0.54	-0.20	3270.50	761.22	3267.16	764.55	91.44
1	73	275	7.00	3.47	6.26	4.21	-1.43	1666.03	-1507.51	-1476.16	1634.67	-313.88
1	73	276	2.53	-0.22	2.53	-0.22	-7.29e-02	3786.96	737.43	3786.54	737.85	35.89
1	73	277	6.31	-0.75	6.18	-0.63	0.91	1388.59	-193.90	-125.69	1320.38	-321.39
1	73	278	2.47	7.10e-02	2.47	7.29e-02	-6.66e-02	4000.86	761.18	4000.74	761.30	-19.16
1	73	279	4.65	-1.81	4.45	-1.61	1.13	1441.21	874.93	1302.74	1013.39	-243.39
1	73	280	2.39	0.50	2.37	0.52	-0.19	3898.62	836.97	3896.62	838.98	-78.26
1	73	281	3.31	-1.07	3.25	-1.01	0.52	2455.96	836.02	2441.57	850.41	-151.97
1	73	282	2.18	1.06	2.01	1.22	-0.40	3462.11	963.74	3452.97	972.88	-150.86
1	73	283	2.74	-0.56	2.73	-0.54	0.20	3269.47	762.42	3266.24	765.65	-89.93
1	73	284	2.54	-0.22	2.53	-0.22	7.29e-02	3786.45	738.16	3786.04	738.57	-35.43
1	74	1	25.32	5.79	17.47	13.64	9.58	-1111.45	-1985.02	-1539.06	-1557.40	436.69
1	74	2	12.65	0.57	12.62	0.61	0.63	-2849.27	-6276.37	-6275.35	-2850.29	-59.04
1	74	3	0.13	-0.48	0.12	-0.47	9.07e-02	-1252.48	-1952.17	-1951.62	-1253.03	19.62
1	74	4	7.26	-2.51	7.08	-2.32	1.34	-1718.22	-2888.41	-2887.80	-1718.82	26.61
1	74	5	12.90	2.57	7.51	7.95	-5.16	-677.33	-1126.04	-893.47	-909.90	-224.21
1	74	6	12.90	2.58	7.39	8.09	5.15	-677.22	-1125.88	-894.35	-908.74	224.21
1	74	7	7.30	-2.31	7.10	-2.11	-1.39	-1713.94	-2890.16	-2889.51	-1714.59	-27.53
1	74	8	0.15	-0.46	0.13	-0.45	-8.64e-02	-1252.38	-1952.20	-1951.64	-1252.94	-19.76
1	74	9	12.38	0.41	12.35	0.44	-0.62	-2860.27	-6277.64	-6276.65	-2861.25	58.00
1	74	10	25.65	5.74	17.66	13.73	-9.76	-1114.16	-1986.95	-1540.26	-1560.85	-436.27
1	74	21	46.05	3.23	21.23	28.06	21.14	-149.10	-1072.60	-770.37	-451.33	433.32
1	74	22	55.33	-2.71	32.70	19.91	28.31	937.39	-5431.24	-5386.60	892.75	531.31
1	74	23	10.81	-3.39	3.54	3.88	-7.10	362.30	-1489.70	-1477.52	350.12	-149.72
1	74	24	24.36	-18.82	9.01	-3.48	-20.67	284.82	-1899.83	-1833.45	218.45	-374.96
1	74	25	23.26	2.26	12.31	13.21	-10.49	-76.82	-603.58	-349.01	-331.38	-263.24
1	74	26	23.26	2.31	12.27	13.31	10.47	-76.45	-603.31	-349.42	-330.34	263.25
1	74	27	24.28	-19.36	9.08	-4.16	20.79	277.73	-1895.62	-1829.71	211.82	372.68
1	74	28	10.80	-3.45	3.50	3.84	7.12	361.40	-1489.99	-1477.69	349.10	150.39
1	74	29	55.66	-2.26	33.21	20.19	-28.22	945.12	-5428.48	-5384.55	901.19	-527.32
1	74	30	47.04	3.55	21.95	28.64	-21.48	-153.86	-1076.67	-776.90	-453.63	-432.17
1	74	31	7.72	-17.38	-5.41	-4.25	-12.53	1658.26	-310.17	1343.77	4.32	721.21
1	74	32	9.30	1.65	4.75	6.19	3.76	2965.89	52.46	2767.04	251.32	734.72
1	74	33	2.61	7.23e-02	2.59	9.92e-02	-0.26	3619.50	129.98	3543.61	205.87	509.00
1	74	34	2.20	1.80e-02	2.20	1.86e-02	-3.58e-02	4000.63	178.74	3979.32	200.05	284.61
1	74	35	2.02	4.86e-03	2.02	5.17e-03	-2.49e-02	4059.98	186.71	4059.03	187.65	60.45
1	74	36	1.95	-3.33e-04	1.95	-7.44e-05	2.24e-02	3856.64	174.96	3850.36	181.24	-151.92
1	74	37	1.85	2.41e-04	1.84	7.60e-03	0.12	3406.94	141.19	3366.10	182.03	-362.91
1	74	38	1.65	2.34e-02	1.63	4.37e-02	0.18	2729.85	51.94	2598.41	183.39	-578.54
1	74	39	1.29	-0.71	1.28	-0.70	9.20e-02	1870.36	-205.16	1510.74	154.46	-785.53
1	74	40	-0.74	-11.79	-4.76	-7.77	5.32	855.78	-921.29	-50.61	-14.89	-888.36
1	74	41	13.43	-18.84	13.27	-18.68	2.29	128.33	-2346.31	-1895.46	-322.51	-955.20
1	74	42	22.18	-35.54	21.62	-34.98	-5.67	-262.08	-2315.70	-2126.49	-451.29	593.94
1	74	43	-2.81	-15.11	-14.60	-3.33	-2.46	327.27	-1119.77	-840.22	47.72	571.29
1	74	44	1.41e-03	-3.68	-3.67	-6.49e-03	-0.17	668.28	-170.00	289.86	208.42	417.16
1	74	45	-1.84e-02	-2.47	-2.47	-2.03e-02	-6.88e-02	808.45	192.13	778.47	222.11	132.58
1	74	46	-0.54	-4.19	-4.10	-0.62	0.56	757.76	150.24	736.87	171.12	-110.69
1	74	47	3.03	-6.07	3.00	-6.03	0.53	421.53	-178.55	266.50	-23.52	-262.67
1	74	48	0.52	-4.97	-0.13	-4.32	-1.77	588.55	-179.11	376.63	32.81	343.18
1	74	49	-0.51	-3.20	-2.98	-0.72	-0.73	1059.86	141.44	1024.91	176.39	175.73
1	74	50	-0.10	-1.94	-1.92	-0.13	-0.21	1170.13	201.64	1164.51	207.26	-73.54
1	74	51	-0.18	-3.46	-3.36	-0.27	-0.55	890.81	18.87	754.20	155.48	-316.95
1	74	52	4.00	-13.76	1.78	-11.54	5.87	200.95	-527.36	-195.24	-131.16	-362.74
1	74	53	3.37	-11.65	-0.94	-7.34	-6.79	455.57	-470.29	2.14	-16.85	462.83
1	74	54	-1.14	-2.24	-1.70	-1.68	-0.55	1202.32	31.77	1072.89	161.20	367.09
1	74	55	-0.10	-0.82	-0.81	-0.11	-6.04e-02	1570.85	206.15	1560.07	216.94	120.82
1	74	56	1.32	-0.31	0.25	0.75	-0.78	1525.86	195.24	1507.92	213.18	-153.44
1	74	57	3.28	-8.34	-4.22	-0.84	5.56	1001.96	-8.23	896.64	97.09	-308.71
1	74	58	2.87	-8.33	-1.35	-4.11	5.43	928.18	-12.11	96.10	819.97	-300.06
1	74	59	0.80	-0.54	0.49	-0.23	-0.57	1398.32	204.35	219.90	1382.77	-135.35
1	74	60	0.81	-0.52	0.53	-0.24	0.55	1398.25	204.28	219.78	1382.75	135.15
1	74	61	2.85	-8.33	-1.39	-4.09	-5.43	928.43	-11.86	96.36	820.21	300.08
1	74	62	3.30	-8.34	-4.23	-0.80	-5.56	1001.60	-8.63	896.33	96.65	308.66
1	74	63	1.32	-0.35	0.26	0.71	0.80	1525.71	195.39	1507.74	213.36	153.58
1	74	64	-7.38e-02	-0.82	-0.82	-8.01e-02	6.85e-02	1570.87	206.11	1560.09	216.88	-120.77
1	74	65	-1.08	-2.20	-1.70	-1.58	0.56	1201.94	31.72	1072.82	160.84	-366.64

1	74	66	3.21	-11.41	-0.99	-7.21	6.62	453.37	-470.94	0.94	-18.51	-462.05
1	74	67	3.87	-14.01	1.79	-11.93	-5.73	199.58	-526.96	-192.14	-135.24	362.15
1	74	68	-0.19	-3.51	-3.42	-0.28	0.54	890.12	18.90	754.04	154.97	316.28
1	74	69	-9.74e-02	-1.96	-1.93	-0.12	0.22	1169.89	201.50	1164.31	207.08	73.30
1	74	70	-0.51	-3.20	-2.99	-0.72	0.73	1059.82	141.38	1024.82	176.37	-175.83
1	74	71	0.53	-4.97	-0.12	-4.32	1.78	588.81	-178.95	376.86	32.99	-343.22
1	74	72	3.11	-6.09	3.08	-6.06	-0.52	421.38	-178.62	266.64	-23.87	262.49
1	74	73	-0.52	-4.22	-4.15	-0.59	-0.52	757.83	150.33	736.98	171.19	110.61
1	74	74	-5.60e-02	-2.47	-2.47	-5.76e-02	6.22e-02	808.56	192.15	778.51	222.21	-132.74
1	74	75	4.37e-02	-3.62	-3.61	3.73e-02	0.15	668.13	-170.22	289.66	208.24	-417.20
1	74	76	-2.89	-14.89	-14.27	-3.52	2.66	327.27	-1119.07	-839.73	47.93	-570.95
1	74	77	21.81	-35.41	21.22	-34.83	5.74	-257.33	-2314.30	-2125.45	-446.18	-593.97
1	74	78	13.55	-19.00	13.40	-18.85	-2.22	128.02	-2346.15	-1896.35	-321.78	954.23
1	74	79	-0.87	-11.79	-5.04	-7.63	-5.30	856.10	-921.83	-49.97	-15.76	888.80
1	74	80	1.31	-0.83	1.30	-0.82	-0.12	1870.89	-205.28	1510.94	154.67	785.98
1	74	81	1.65	1.25e-03	1.63	2.03e-02	-0.18	2729.92	51.99	2598.44	183.47	578.64
1	74	82	1.85	-3.03e-03	1.84	4.31e-03	-0.12	3406.99	141.27	3366.15	182.11	362.91
1	74	83	1.95	-2.42e-03	1.95	-2.14e-03	-2.36e-02	3856.74	175.00	3850.46	181.28	151.92
1	74	84	2.03	6.58e-04	2.03	9.86e-04	2.58e-02	4060.08	186.85	4059.14	187.79	-60.39
1	74	85	2.20	2.60e-02	2.20	2.62e-02	2.11e-02	4000.88	178.76	3979.53	200.10	-284.82
1	74	86	2.64	1.89e-02	2.61	5.13e-02	0.29	3618.22	130.09	3542.40	205.90	-508.62
1	74	87	9.39	1.98	4.84	6.53	-3.61	2970.54	50.62	2771.85	249.31	-735.31
1	74	88	7.75	-17.37	-5.25	-4.37	12.55	1657.96	-308.29	1343.56	6.12	-720.66
1	74	89	6.45	-14.31	-0.25	-7.61	9.70	1308.33	-95.47	190.06	1022.79	-565.07
1	74	90	1.19	-2.51	0.76	-2.09	-1.18	1850.98	358.67	401.75	1807.91	-249.86
1	74	91	1.22	-2.48	0.82	-2.08	1.15	1850.90	358.59	401.52	1807.97	249.45
1	74	92	6.40	-14.30	-0.33	-7.57	-9.69	1308.07	-95.38	189.77	1022.92	564.70
1	74	93	4.24	-9.10	-9.17e-02	-4.77	-6.24	142.58	-893.38	-646.77	-104.03	-441.21
1	74	94	32.76	7.38	13.14	27.00	10.63	2098.59	244.98	1937.41	406.16	522.29
1	74	95	1.03	-5.51	0.74	-5.22	-1.34	3284.37	-134.71	3252.38	-102.72	329.19
1	74	96	1.75	-0.10	1.75	-9.59e-02	-9.04e-02	3896.37	-32.78	3888.29	-24.70	178.03
1	74	97	1.92	3.77e-02	1.92	3.81e-02	-2.75e-02	4121.79	-23.88	4120.61	-22.70	69.84
1	74	98	1.98	3.82e-02	1.98	3.83e-02	-1.02e-02	4022.24	-22.56	4021.96	-22.28	-33.69
1	74	99	1.96	2.80e-02	1.96	2.80e-02	-3.09e-03	3629.32	-27.79	3624.55	-23.01	-132.06
1	74	100	1.76	3.08e-02	1.76	3.21e-02	-4.68e-02	2944.64	-41.06	2926.89	-23.32	-229.48
1	74	101	1.97	0.75	1.56	1.16	-0.58	1948.42	-60.64	1892.57	-4.79	-330.29
1	74	102	19.75	3.72	8.06	15.41	-7.12	845.40	-180.85	462.09	202.46	-496.43
1	74	103	4.94	-34.36	3.18	-32.60	8.12	-685.44	-1716.76	-1650.09	-752.12	-253.61
1	74	104	-9.74	-115.17	-35.17	-89.74	-45.10	-1454.59	-3940.30	-3694.43	-1700.46	-742.10
1	74	105	26.40	4.56	16.77	14.19	10.85	363.51	-1251.58	-1095.02	206.95	477.86
1	74	106	2.29	-0.64	0.40	1.25	1.40	201.12	-245.72	-29.21	-15.39	223.31
1	74	107	-0.12	-1.41	-1.40	-0.12	-1.73e-02	633.77	-43.66	618.80	-28.68	99.60
1	74	108	7.09e-02	-1.43	-1.38	2.92e-02	-0.25	885.96	-34.67	885.84	-34.55	10.50
1	74	109	4.49	-0.15	1.59	2.75	-2.25	695.41	-5.88	676.49	13.04	-113.62
1	74	110	-2.56	-22.01	-7.35	-17.23	8.38	-227.90	-511.07	-340.26	-398.70	138.53
1	74	111	-0.92	-8.25	-2.02	-7.16	-2.62	229.25	-232.13	215.77	-218.65	77.71
1	74	112	2.69	-0.84	-0.28	2.13	1.29	1027.88	-10.40	1016.93	0.55	106.05
1	74	113	5.88e-02	-1.49	-1.47	3.78e-02	0.18	1228.86	-28.98	1228.86	-28.97	-2.51
1	74	114	0.23	-0.23	-0.23	0.22	-5.41e-02	988.12	-34.31	976.86	-23.05	-106.70
1	74	115	9.62	-1.30	3.03	5.30	-5.34	439.56	-50.93	292.25	96.38	-224.84
1	74	116	0.85	-53.84	-16.45	-36.54	25.43	-548.11	-2067.79	-1844.08	-771.82	538.44
1	74	117	4.21	-0.37	1.95	1.89	2.29	403.23	-183.26	262.60	-42.62	250.41
1	74	118	2.25	-0.95	-0.77	2.07	0.74	1225.34	-21.75	1204.62	-1.03	159.43
1	74	119	-0.20	-1.52	-1.50	-0.22	0.17	1612.58	-35.91	1611.08	-34.41	49.75
1	74	120	-1.47	-2.83	-2.33	-1.97	0.66	1558.19	-71.59	1556.99	-70.39	-44.13
1	74	121	11.29	1.53	3.21	9.60	-3.68	1026.77	62.77	985.38	104.16	-195.42
1	74	122	4.78	-4.06	0.33	0.39	4.42	158.88	-534.47	-387.75	12.16	283.20
1	74	123	5.50	-5.53	-0.47	0.43	5.50	169.58	-601.63	33.10	-465.14	294.33
1	74	124	9.48	1.17	8.03	2.62	-3.15	910.74	29.63	70.57	869.80	-185.45
1	74	125	-1.31	-2.75	-1.46	-2.59	0.44	1421.61	-70.17	-68.91	1420.35	-43.38
1	74	126	-1.42	-2.73	-1.56	-2.59	-0.41	1421.59	-70.02	-68.75	1420.31	43.65
1	74	127	9.43	1.18	7.98	2.63	3.15	910.02	28.12	68.82	869.32	185.03
1	74	128	5.32	-5.55	-0.59	0.36	-5.42	172.34	-601.14	37.06	-465.86	-293.83
1	74	129	4.90	-4.11	0.34	0.45	-4.50	156.05	-535.48	-387.37	7.94	-283.70
1	74	130	11.32	1.52	3.20	9.64	3.69	1027.68	64.33	985.98	106.03	196.03
1	74	131	-1.36	-2.85	-2.34	-1.86	-0.70	1558.28	-71.76	1557.10	-70.58	43.78
1	74	132	-0.25	-1.53	-1.50	-0.28	-0.18	1612.59	-35.92	1611.08	-34.42	-49.76
1	74	133	2.02	-1.01	-0.81	1.81	-0.77	1225.78	-21.49	1204.83	-0.54	-160.29
1	74	134	3.85	-9.84e-02	2.06	1.70	-1.97	407.58	-180.99	265.79	-39.20	-251.69
1	74	135	1.71	-52.66	-16.14	-34.81	-25.53	-544.08	-2071.54	-1852.31	-763.32	-535.55
1	74	136	9.02	-1.35	2.73	4.94	5.06	437.51	-51.34	292.68	93.49	223.21
1	74	137	0.30	-0.14	-0.12	0.28	9.75e-02	988.81	-33.78	977.43	-22.40	107.26
1	74	138	3.12e-02	-1.47	-1.45	8.28e-03	-0.18	1229.01	-28.62	1229.00	-28.61	2.64
1	74	139	2.68	-0.84	-0.28	2.12	-1.29	1027.83	-10.26	1016.88	0.69	-106.07
1	74	140	-0.92	-8.28	-2.03	-7.17	2.63	229.18	-232.14	215.64	-218.60	-77.86
1	74	141	-2.68	-21.95	-7.51	-17.12	-8.35	-227.89	-510.55	-340.40	-398.04	-138.36

1	74	142	4.44	5.66e-03	1.71	2.73	2.16	695.24	-6.24	676.34	12.67	113.60
1	74	143	0.16	-1.42	-1.38	0.12	0.26	885.59	-35.15	885.48	-35.04	-10.25
1	74	144	-0.20	-1.30	-1.30	-0.20	6.75e-03	635.35	-42.27	620.14	-27.06	-100.37
1	74	145	2.06	-0.85	0.10	1.10	-1.37	200.47	-246.42	-31.04	-14.91	-223.30
1	74	146	26.55	3.72	15.87	14.39	-11.39	365.08	-1253.30	-1096.21	207.99	-479.12
1	74	147	-9.30	-115.56	-34.53	-90.32	45.22	-1461.12	-3939.95	-3692.30	-1708.77	743.34
1	74	148	4.84	-34.55	3.15	-32.87	-7.96	-686.54	-1716.21	-1649.41	-753.34	253.61
1	74	149	19.93	3.76	8.29	15.40	7.26	843.99	-181.45	460.37	202.17	496.20
1	74	150	2.00	0.89	1.52	1.37	0.55	1948.06	-60.80	1892.37	-5.11	329.81
1	74	151	1.74	8.34e-02	1.74	8.39e-02	3.04e-02	2944.58	-41.07	2926.85	-23.35	229.36
1	74	152	1.95	4.09e-02	1.95	4.09e-02	-3.48e-04	3629.25	-27.86	3624.48	-23.09	131.98
1	74	153	1.98	4.78e-02	1.98	4.78e-02	8.78e-03	4022.13	-22.70	4021.85	-22.42	33.61
1	74	154	1.92	5.43e-02	1.92	5.45e-02	2.04e-02	4121.70	-24.28	4120.52	-23.09	-69.99
1	74	155	1.79	-6.50e-02	1.78	-6.12e-02	8.33e-02	3895.30	-32.68	3887.27	-24.66	-177.38
1	74	156	0.79	-5.85	0.59	-5.65	1.14	3281.01	-132.78	3248.95	-100.72	-329.28
1	74	157	32.78	6.84	12.92	26.70	-10.99	2097.29	236.05	1936.19	397.15	-523.34
1	74	158	4.40	-8.70	0.43	-4.72	6.02	151.60	-891.06	-645.56	-93.91	442.39
1	74	159	8.68	-3.06	4.86	0.75	5.50	258.77	-1065.41	74.21	-880.85	458.61
1	74	160	15.40	0.41	12.69	3.11	-5.76	1177.95	26.84	113.78	1091.01	-304.18
1	74	161	-2.20	-8.43	-2.27	-8.35	0.68	1888.07	-115.30	-112.12	1884.89	-79.69
1	74	162	-2.37	-8.42	-2.44	-8.36	-0.63	1888.01	-115.28	-112.07	1884.80	80.12
1	74	163	15.27	0.40	12.54	3.14	5.76	1176.07	24.02	110.46	1089.64	303.49
1	74	164	8.39	-3.28	4.39	0.72	-5.54	264.00	-1062.38	82.48	-880.86	-455.86
1	74	165	2.23	5.70e-02	2.23	5.85e-02	5.84e-02	3821.66	728.98	3821.55	729.09	18.29
1	74	166	1.64	1.12	1.39	1.37	-0.26	2579.25	1095.23	2545.61	1128.87	-220.90
1	74	167	2.17	0.46	2.15	0.47	0.17	3723.59	799.97	3721.59	801.98	76.59
1	74	168	1.98	0.97	1.83	1.12	0.36	3303.63	924.38	3294.87	933.13	144.05
1	74	169	1.63	1.12	1.39	1.36	0.25	2580.09	1095.83	2546.72	1129.19	220.02
1	74	170	0.17	-0.45	-0.20	-7.90e-02	-0.31	1021.41	365.09	726.40	660.10	326.48
1	74	171	0.38	-0.48	0.36	-0.46	-0.12	1217.37	740.99	768.46	1189.90	111.04
1	74	172	0.30	-0.38	-0.36	0.28	0.12	1342.22	684.54	1318.17	708.59	123.45
1	74	173	0.38	-0.48	0.36	-0.46	0.12	1217.36	739.86	767.47	1189.76	-111.44
1	74	174	0.37	-0.74	-0.27	-9.09e-02	0.55	1376.40	706.69	1365.40	717.69	-85.12
1	74	175	0.18	-0.46	-0.23	-4.63e-02	0.30	1021.46	364.93	726.16	660.23	-326.61
1	74	176	1.01	-1.22	-0.36	0.15	1.09	1136.75	521.85	935.87	722.72	-288.39
1	74	177	2.20	-2.20	1.78	-1.78	1.30	942.91	-255.93	-9.86	696.84	-484.19
1	74	178	5.68	-3.87	5.53	-3.72	1.19	1150.39	-869.86	-869.54	1150.07	-25.62
1	74	179	0.30	-0.38	-0.36	0.28	-0.12	1342.56	683.62	1318.66	707.52	-123.18
1	74	180	0.37	-0.74	-0.28	-9.09e-02	-0.55	1376.05	707.27	1364.99	718.34	85.31
1	74	181	0.65	-3.49	-1.94	-0.90	-2.00	926.45	397.43	618.39	705.49	260.90
1	74	182	1.01	-1.22	-0.36	0.15	-1.09	1136.76	522.04	935.87	722.93	288.33
1	74	183	-0.10	-2.16	-2.11	-0.15	-0.31	984.95	709.10	973.43	720.63	55.20
1	74	184	2.21	-2.19	1.80	-1.78	-1.28	942.70	-255.71	-9.71	696.69	484.04
1	74	185	-0.14	-1.89	-1.74	-0.28	0.48	963.15	619.42	870.82	711.74	-152.36
1	74	186	5.63	-3.86	5.48	-3.71	-1.19	1150.68	-870.34	-870.03	1150.37	25.08
1	74	187	-0.35	-1.42	-0.51	-1.26	0.38	874.14	63.95	251.70	686.40	-341.85
1	74	188	1.56	-1.81	1.52	-1.77	0.39	1030.58	-347.58	-347.38	1030.37	-16.80
1	74	189	0.65	-3.48	-1.95	-0.88	1.99	926.42	397.31	618.42	705.32	-260.96
1	74	190	-0.63	-1.91	-0.70	-1.84	-0.29	805.26	-44.39	94.34	666.53	314.05
1	74	191	-0.10	-2.16	-2.11	-0.15	0.31	984.97	709.05	973.43	720.59	-55.24
1	74	192	-0.39	-2.68	-2.35	-0.72	-0.81	778.86	508.21	593.75	693.31	125.84
1	74	193	-0.14	-1.89	-1.75	-0.28	-0.48	963.22	619.41	870.90	711.73	152.37
1	74	194	-0.40	-2.71	-2.65	-0.46	0.36	755.44	543.16	577.03	721.57	-77.74
1	74	195	-0.35	-1.39	-0.50	-1.23	-0.37	873.73	64.73	252.25	686.21	341.38
1	74	196	1.57	-1.80	1.52	-1.76	-0.39	1031.82	-346.27	-346.00	1031.56	19.01
1	74	197	3.46	-9.74	-3.05	-3.24	6.60	822.64	-974.53	-821.10	669.22	-502.19
1	74	198	-0.63	-1.93	-0.70	-1.86	0.29	806.56	-44.97	93.44	668.16	-314.17
1	74	199	7.84	-10.20	7.61	-9.98	2.01	784.61	-2452.27	-2294.05	626.39	-697.94
1	74	200	-0.38	-2.67	-2.34	-0.72	0.81	778.74	508.22	593.83	693.13	-125.82
1	74	201	18.78	-11.02	18.43	-10.66	-3.22	1324.56	-3227.47	-3225.73	1322.82	88.93
1	74	202	-0.40	-2.70	-2.65	-0.46	-0.36	755.26	543.30	577.18	721.37	77.68
1	74	203	9.45	-5.00	9.36	-4.91	-1.12	859.74	-2125.87	-1840.66	574.53	877.60
1	74	204	4.25	-2.53	2.44	-0.72	-3.00	1079.15	-493.13	-22.12	608.14	720.22
1	74	205	3.53	-9.71	-3.05	-3.13	-6.62	821.93	-975.18	-821.84	668.60	502.05
1	74	206	2.61	-1.65	1.26	-0.30	-1.98	1652.88	307.60	1363.92	596.56	552.48
1	74	207	7.79	-10.12	7.58	-9.92	-1.90	784.07	-2452.96	-2294.79	625.89	697.85
1	74	208	2.19	-0.58	1.97	-0.35	-0.76	2516.21	482.16	2441.66	556.72	382.22
1	74	209	18.88	-10.95	18.55	-10.63	3.10	1344.48	-3205.71	-3204.26	1343.03	-81.19
1	74	210	2.13	-0.27	2.10	-0.23	-0.29	3236.29	502.65	3216.63	522.30	230.98
1	74	211	9.51	-5.00	9.41	-4.89	1.20	871.94	-2119.09	-1837.13	589.97	-874.00
1	74	212	2.13	-0.12	2.13	-0.12	-9.74e-02	3706.48	509.59	3703.83	512.24	92.07
1	74	213	4.00	-2.52	2.32	-0.84	2.85	1078.18	-494.90	-23.34	606.62	-720.72
1	74	214	2.20	3.41e-03	2.20	4.94e-03	-5.79e-02	3908.64	529.10	3908.02	529.72	-45.83
1	74	215	2.60	-1.65	1.25	-0.30	1.98	1652.51	307.72	1364.03	596.21	-552.02
1	74	216	2.39	0.17	2.37	0.20	-0.22	3826.02	564.03	3814.53	575.51	-193.23
1	74	217	2.18	-0.56	1.96	-0.34	0.75	2516.73	481.70	2442.22	556.21	-382.20

1	74	218	2.13	-0.26	2.09	-0.23	0.29	3236.23	502.75	3216.51	522.47	-231.30
1	74	219	2.13	-0.12	2.13	-0.11	9.74e-02	3706.35	509.58	3703.69	512.24	-92.12
1	74	220	2.31	-0.10	1.58	0.62	1.10	1762.72	242.65	1274.64	730.73	-709.71
1	74	221	2.20	4.52e-03	2.20	6.09e-03	5.88e-02	3908.43	529.25	3907.81	529.88	45.95
1	74	222	2.39	0.18	2.37	0.20	0.22	3826.28	563.70	3814.77	575.21	193.47
1	74	223	1.85	-0.24	1.85	-0.24	-2.98e-02	1707.06	1212.94	1475.94	1444.06	-246.55
1	74	224	1.87	-0.24	1.87	-0.24	4.04e-02	1708.12	1212.69	1477.85	1442.96	247.10
1	74	225	2.43	-0.14	1.77	0.53	-1.12	1764.52	240.33	1278.22	726.62	710.44
1	74	226	1.87	-3.51	1.86	-3.49	-0.29	860.43	-442.98	-267.36	684.81	445.04
1	74	227	1.90	-3.53	1.88	-3.51	0.31	860.48	-442.56	-267.12	685.05	-444.77
1	74	228	0.56	-4.55	-3.32	-0.67	2.18	842.42	-15.18	103.68	723.56	-296.33
1	74	229	0.55	-4.56	-3.35	-0.66	-2.18	842.06	-15.09	103.72	723.24	296.19
1	74	230	3.10	0.47	2.70	0.86	-0.94	3440.96	599.93	3395.43	645.47	-356.77
1	74	231	2.45	1.61	1.97	2.09	-0.42	2745.73	581.03	2606.00	720.75	-531.92
1	74	232	3.08	0.47	2.70	0.85	0.92	3440.96	604.74	3396.07	649.64	354.00
1	74	233	2.46	1.58	1.93	2.12	0.43	2746.34	581.91	2606.69	721.56	531.75
1	74	234	0.14	-0.21	0.12	-0.19	8.37e-02	1226.28	1049.28	1209.53	1066.02	51.80
1	74	235	0.14	-0.21	0.12	-0.18	-8.47e-02	1227.07	1048.62	1210.30	1065.39	-52.08
1	74	236	0.50	-0.48	0.42	-0.40	0.28	1255.11	1045.89	1249.33	1051.68	-34.31
1	74	237	1.09	-0.30	1.01	-0.22	0.33	1198.87	802.58	837.15	1164.30	-111.82
1	74	238	1.55	0.98	1.34	1.19	-0.27	1373.22	161.12	176.21	1358.14	-134.36
1	74	239	3.94	1.17	3.94	1.18	0.11	1535.82	-245.52	-245.47	1535.77	-9.46
1	74	240	0.48	-0.34	0.44	-0.31	-0.16	1385.15	-42.97	-32.97	1375.15	119.07
1	74	241	0.50	-0.48	0.42	-0.39	-0.28	1255.52	1045.39	1249.72	1051.19	34.42
1	74	242	1.09	-0.30	1.01	-0.22	-0.33	1198.93	802.61	837.21	1164.33	111.87
1	74	243	0.12	-1.62	-3.96e-02	-1.46	-0.50	1201.55	499.85	515.64	1185.76	104.05
1	74	244	-0.72	-1.25	-0.86	-1.11	-0.23	1084.55	851.03	853.04	1082.54	21.56
1	74	245	1.55	0.98	1.34	1.19	0.27	1373.21	161.14	176.20	1358.14	134.30
1	74	246	-0.57	-0.97	-0.96	-0.59	7.28e-02	1131.21	760.64	770.44	1121.41	-59.45
1	74	247	3.94	1.17	3.93	1.18	-0.12	1535.84	-245.56	-245.51	1535.79	9.42
1	74	248	0.38	-0.94	-0.93	0.37	-0.11	1264.08	372.81	383.13	1253.76	-95.35
1	74	249	0.48	-0.35	0.45	-0.31	0.16	1385.17	-42.96	-32.96	1375.17	-119.10
1	74	250	0.63	0.56	0.60	0.59	-3.66e-02	1371.42	118.04	118.05	1371.41	-3.89
1	74	251	-0.16	-1.20	-1.20	-0.16	2.59e-02	1260.03	239.22	247.25	1252.00	90.20
1	74	252	-0.72	-1.25	-0.86	-1.11	0.23	1084.54	851.04	853.05	1082.52	-21.62
1	74	253	0.12	-1.62	-3.99e-02	-1.46	0.51	1201.56	499.84	515.65	1185.75	-104.14
1	74	254	-1.02	-1.41	-1.32	-1.11	-0.17	1125.28	484.25	490.51	1119.01	63.08
1	74	255	-0.57	-0.97	-0.96	-0.59	-7.50e-02	1131.23	760.70	770.46	1121.46	59.35
1	74	256	-1.16	-1.84	-1.32	-1.68	0.28	1068.88	447.97	449.09	1067.75	-26.43
1	74	257	0.37	-0.94	-0.93	0.36	0.11	1263.03	373.04	383.49	1252.57	95.89
1	74	258	0.46	-3.55	-0.10	-2.98	1.39	1149.04	-50.71	-36.62	1134.95	-129.25
1	74	259	0.65	0.56	0.60	0.61	4.38e-02	1372.92	119.42	119.43	1372.91	4.03
1	74	260	-0.16	-1.19	-1.19	-0.16	-3.57e-02	1261.57	239.83	247.66	1253.75	-89.08
1	74	261	3.29	-4.42	2.79	-3.91	1.91	1384.86	-967.82	-945.79	1362.82	-226.64
1	74	262	4.16	0.40	4.15	0.40	0.11	1638.28	-1889.27	-1875.54	1624.55	-219.69
1	74	263	-1.02	-1.41	-1.32	-1.11	0.16	1125.20	484.13	490.43	1118.90	-63.22
1	74	264	13.99	5.63	13.96	5.66	-0.50	1888.96	-2112.49	-2112.11	1888.58	38.94
1	74	265	-1.16	-1.84	-1.32	-1.68	-0.29	1068.79	448.03	449.16	1067.66	26.45
1	74	266	6.44	3.25	5.72	3.96	1.33	1583.91	-1425.26	-1394.80	1553.45	301.24
1	74	267	0.46	-3.55	-0.11	-2.98	-1.40	1148.88	-50.62	-36.49	1134.75	129.43
1	74	268	5.91	-0.66	5.80	-0.54	-0.86	1320.71	-175.24	-107.42	1252.90	311.20
1	74	269	4.34	-1.72	4.15	-1.54	-1.04	1379.25	842.36	1254.09	967.52	227.01
1	74	270	3.35	-4.36	2.83	-3.85	-1.93	1384.53	-968.67	-946.48	1362.34	227.43
1	74	271	4.19	0.24	4.19	0.24	-9.39e-02	1643.62	-1883.24	-1870.56	1630.93	211.12
1	74	272	3.05	-1.03	3.00	-0.97	-0.47	2349.01	801.52	2336.52	814.01	138.49
1	74	273	13.77	5.76	13.73	5.80	0.59	1894.98	-2103.44	-2103.09	1894.63	-37.46
1	74	274	2.49	-0.53	2.48	-0.52	-0.19	3127.81	726.21	3124.67	729.34	86.73
1	74	275	6.56	3.27	5.83	4.00	-1.36	1585.44	-1423.27	-1393.31	1555.48	-298.72
1	74	276	2.30	-0.22	2.29	-0.22	-6.85e-02	3619.48	704.31	3619.09	704.70	33.71
1	74	277	5.87	-0.70	5.75	-0.59	0.87	1321.96	-171.96	-106.54	1256.54	-305.70
1	74	278	2.24	5.67e-02	2.23	5.84e-02	-6.01e-02	3822.32	727.87	3822.21	727.99	-18.93
1	74	279	4.31	-1.72	4.11	-1.52	1.07	1382.13	836.60	1253.74	965.00	-231.43
1	74	280	2.17	0.46	2.15	0.47	-0.17	3722.99	801.25	3721.03	803.20	-75.51
1	74	281	3.04	-1.02	2.98	-0.96	0.49	2351.88	796.90	2338.35	810.43	-144.42
1	74	282	1.98	0.97	1.83	1.12	-0.36	3303.91	923.48	3295.03	932.36	-145.12
1	74	283	2.49	-0.53	2.48	-0.52	0.19	3126.83	727.35	3123.79	730.39	-85.30
1	74	284	2.30	-0.22	2.29	-0.22	6.84e-02	3619.00	705.01	3618.62	705.39	-33.28

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-328.14	-254.35	-226.45	-86.62		-1.064e+04	-1.063e+04	-5562.64	-2959.52
	274.62		191.19	272.92	77.22	8633.56		6802.79	5771.91	5797.58

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

Portale arrivo linea in aereo 150 kV h=15,0 m

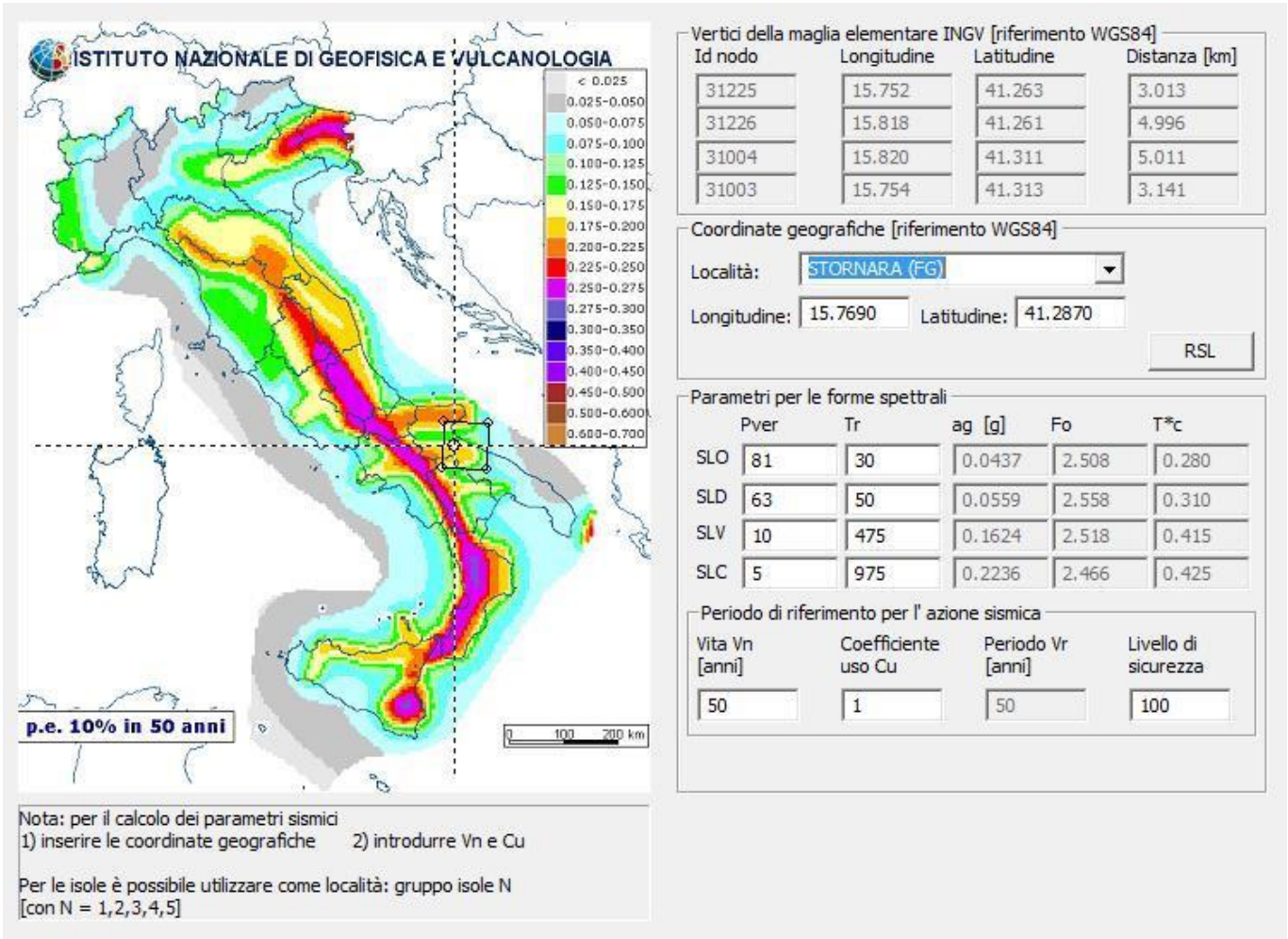
NORMATIVA DI RIFERIMENTO

35. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
36. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
37. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
38. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
39. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
40. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
41. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
42. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
43. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
44. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
45. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
46. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
47. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
48. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
49. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
50. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
51. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
52. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
53. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
54. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
55. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
56. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
57. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
58. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
59. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
60. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
61. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
62. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
63. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte

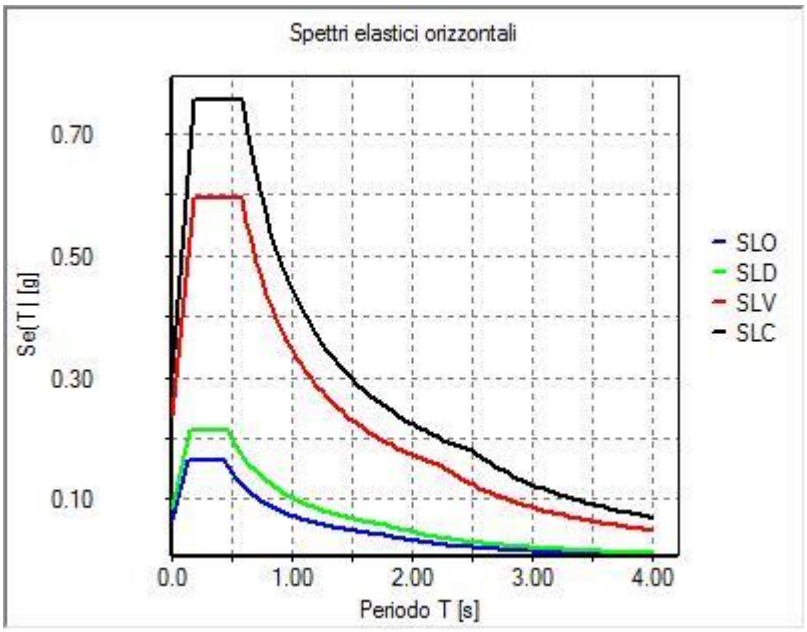
1-1: Regole generali per strutture di muratura armata e non armata.

64. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
65. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
66. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
67. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
68. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

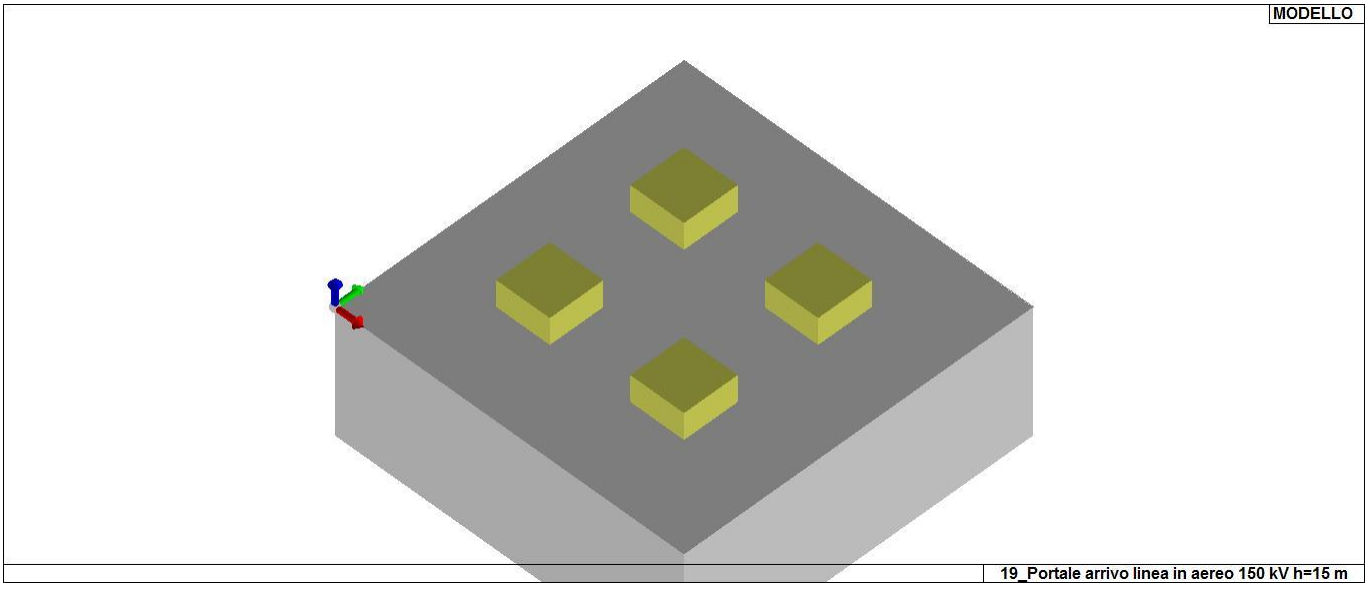
NOTA il capitolo "normativa di riferimento": riporta l' elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edifico esistente.



01_INT_PERICOLOSITA



01_INT_SPETTRI_ELASTICI_O



01_INT_VISTA_SOLIDA_001

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

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

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

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

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ni
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

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

1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm
		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0					
Angolo Ax-Ay [gradi]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [cm]	2.00					
Maglia x						
diametro	10					
passo	20					
diametro aggiuntivi	12					
Maglia y						
diametro	10					
passo	20					
diametro aggiuntivi	12					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	NO					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Resistenza al fuoco						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

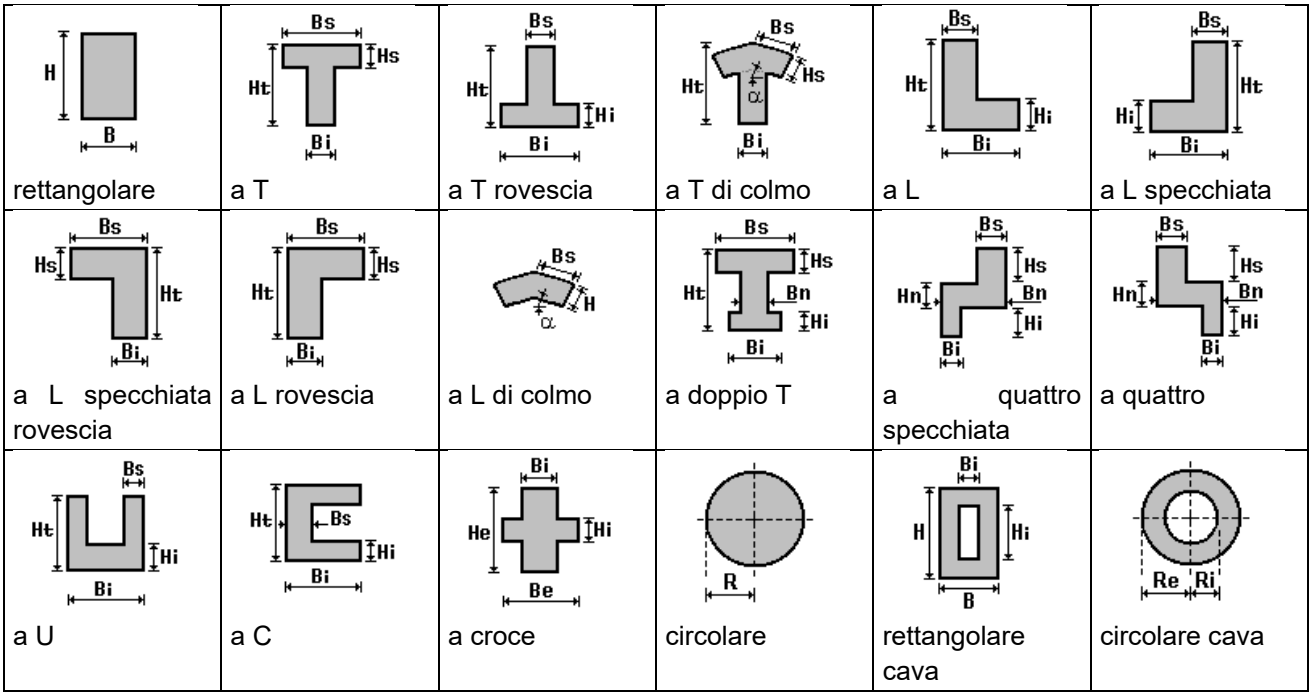
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

4. sezione di tipo generico
5. profilati semplici
6. profilati accoppiati e speciali

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

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

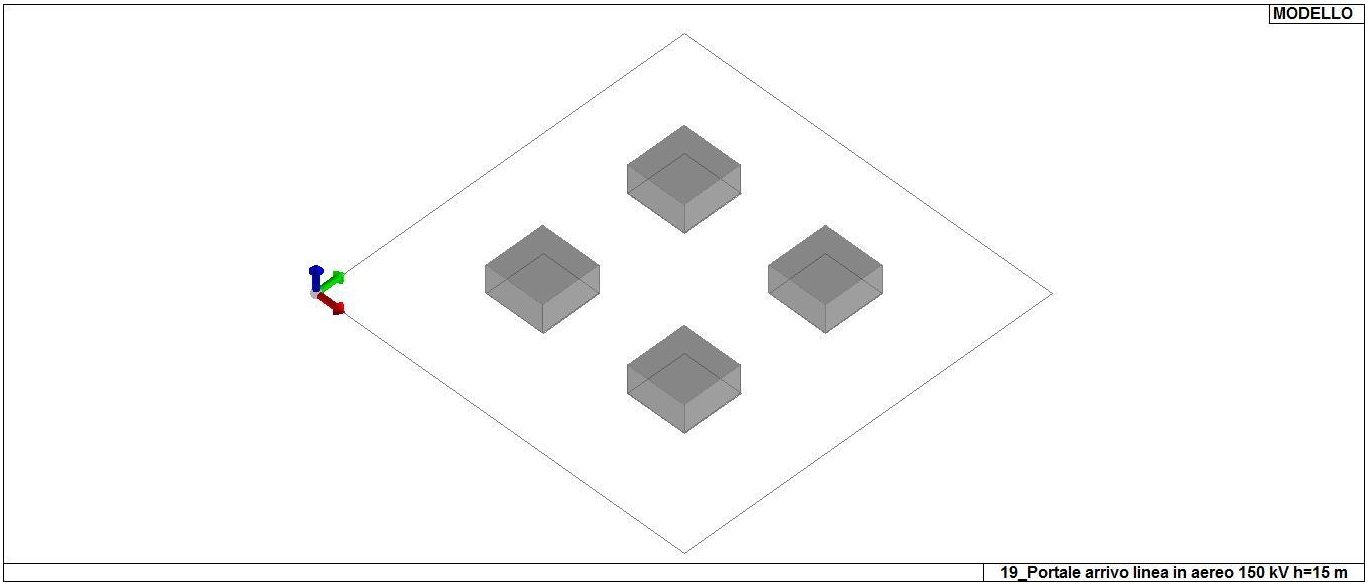
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali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



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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=100 h=100	1.000e+04	8333.33	8333.33	1.406e+07	8.333e+06	8.333e+06	1.667e+05	1.667e+05	2.500e+05	2.500e+05



13_MOD_SEZIONI

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

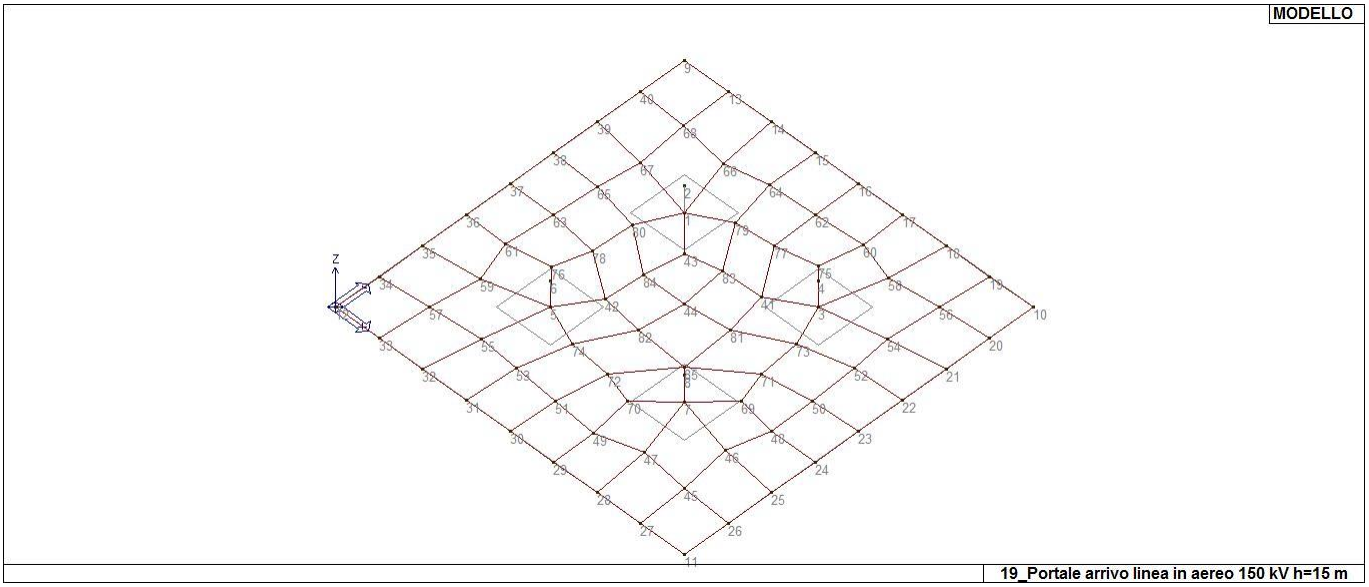
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito,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

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	200.0	450.0	0.0	2	200.0	450.0	50.0	3	450.0	450.0	0.0
4	450.0	450.0	50.0	5	200.0	200.0	0.0	6	200.0	200.0	50.0
7	450.0	200.0	0.0	8	450.0	200.0	50.0	9	2.23e-04	650.0	0.0
10	650.0	650.0	0.0	11	650.0	-2.29e-04	0.0	12	2.23e-04	-2.29e-04	0.0
13	81.3	650.0	0.0	14	162.5	650.0	0.0	15	243.8	650.0	0.0
16	325.0	650.0	0.0	17	406.3	650.0	0.0	18	487.5	650.0	0.0
19	568.8	650.0	0.0	20	650.0	568.7	0.0	21	650.0	487.5	0.0
22	650.0	406.2	0.0	23	650.0	325.0	0.0	24	650.0	243.7	0.0
25	650.0	162.5	0.0	26	650.0	81.2	0.0	27	568.8	-2.29e-04	0.0
28	487.5	-2.29e-04	0.0	29	406.3	-2.29e-04	0.0	30	325.0	-2.29e-04	0.0
31	243.8	-2.29e-04	0.0	32	162.5	-2.29e-04	0.0	33	81.3	-2.29e-04	0.0
34	2.23e-04	81.2	0.0	35	2.23e-04	162.5	0.0	36	2.23e-04	243.7	0.0
37	2.23e-04	325.0	0.0	38	2.23e-04	406.2	0.0	39	2.23e-04	487.5	0.0
40	2.23e-04	568.7	0.0	41	382.8	411.4	0.0	42	240.7	263.0	0.0
43	255.3	395.2	0.0	44	320.4	329.1	0.0	45	562.4	87.7	0.0
46	551.1	174.9	0.0	47	478.6	96.4	0.0	48	568.8	243.7	0.0
49	405.8	75.2	0.0	50	567.1	321.7	0.0	51	327.9	81.5	0.0
52	563.6	403.5	0.0	53	248.3	87.8	0.0	54	556.2	472.9	0.0

55	177.3	94.5	0.0	56	562.3	562.6	0.0	57	87.4	87.7	0.0
58	476.4	553.1	0.0	59	97.2	173.3	0.0	60	409.3	575.0	0.0
61	74.3	242.0	0.0	62	325.0	568.7	0.0	63	80.8	324.4	0.0
64	242.6	566.1	0.0	65	84.6	402.9	0.0	66	172.1	550.5	0.0
67	93.8	473.5	0.0	68	85.5	563.2	0.0	69	501.5	255.3	0.0
70	394.7	148.5	0.0	71	484.4	308.9	0.0	72	341.5	165.9	0.0
73	477.6	380.5	0.0	74	268.5	173.3	0.0	75	395.1	504.6	0.0
76	148.3	253.6	0.0	77	328.9	489.6	0.0	78	164.6	313.8	0.0
79	261.9	483.2	0.0	80	168.5	384.5	0.0	81	397.8	337.1	0.0
82	311.1	252.7	0.0	83	312.5	408.8	0.0	84	244.5	329.5	0.0
85	404.0	245.9	0.0								

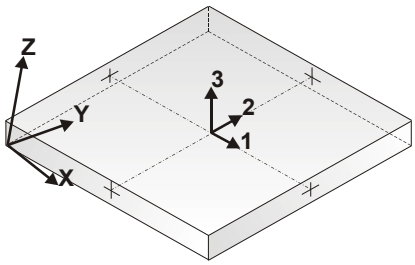


14_MOD_NUMERAZIONE_NODI

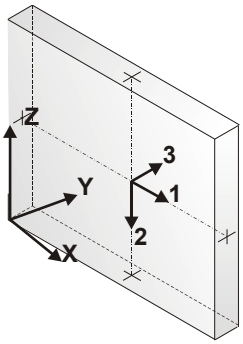
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

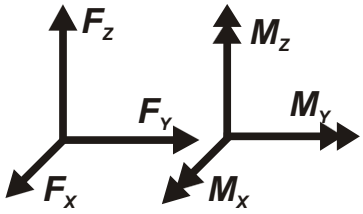
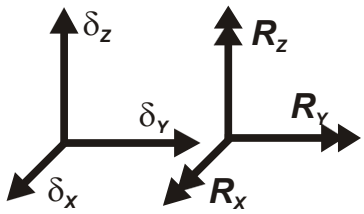
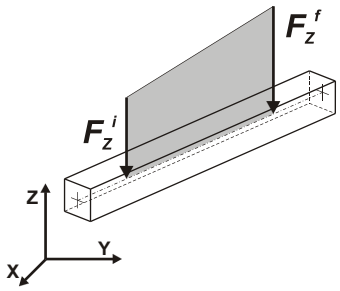
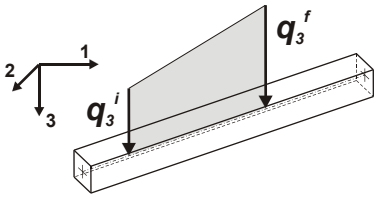
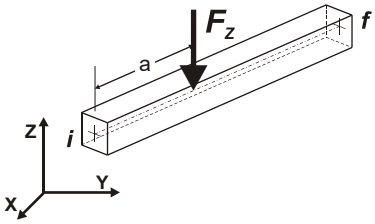
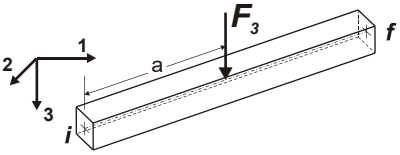
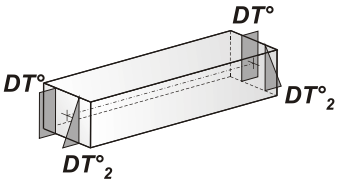
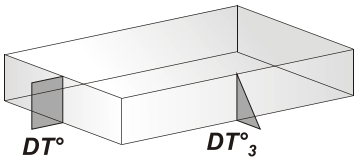
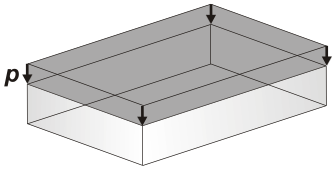
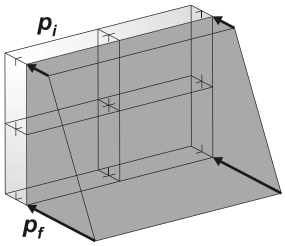
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	77	75	60	62	1	1	240.0		0.24	0.11
2	Guscio fond.	55	53	74	5	1	1	240.0		0.24	0.11
3	Guscio fond.	49	47	7	70	1	1	240.0		0.24	0.11
4	Guscio fond.	53	51	72	74	1	1	240.0		0.24	0.11
5	Guscio fond.	73	52	54	3	1	1	240.0		0.24	0.11
6	Guscio fond.	66	64	15	14	1	1	240.0		0.24	0.11
7	Guscio fond.	79	77	62	64	1	1	240.0		0.24	0.11
8	Guscio fond.	67	1	66	68	1	1	240.0		0.24	0.11
9	Guscio fond.	84	44	83	43	1	1	240.0		0.24	0.11
10	Guscio fond.	38	65	67	39	1	1	240.0		0.24	0.11
11	Guscio fond.	65	80	1	67	1	1	240.0		0.24	0.11
12	Guscio fond.	51	49	70	72	1	1	240.0		0.24	0.11
13	Guscio fond.	45	26	25	46	1	1	240.0		0.24	0.11
14	Guscio fond.	63	78	80	65	1	1	240.0		0.24	0.11
15	Guscio fond.	62	60	17	16	1	1	240.0		0.24	0.11
16	Guscio fond.	1	79	64	66	1	1	240.0		0.24	0.11
17	Guscio fond.	7	46	48	69	1	1	240.0		0.24	0.11
18	Guscio fond.	52	22	21	54	1	1	240.0		0.24	0.11
19	Guscio fond.	71	50	52	73	1	1	240.0		0.24	0.11
20	Guscio fond.	60	58	18	17	1	1	240.0		0.24	0.11
21	Guscio fond.	12	33	57	34	1	1	240.0		0.24	0.11
22	Guscio fond.	68	66	14	13	1	1	240.0		0.24	0.11
23	Guscio fond.	40	68	13	9	1	1	240.0		0.24	0.11
24	Guscio fond.	72	70	7	85	1	1	240.0		0.24	0.11
25	Guscio fond.	80	84	43	1	1	1	240.0		0.24	0.11
26	Guscio fond.	56	20	10	19	1	1	240.0		0.24	0.11
27	Guscio fond.	50	23	22	52	1	1	240.0		0.24	0.11
28	Guscio fond.	57	55	5	59	1	1	240.0		0.24	0.11
29	Guscio fond.	61	76	78	63	1	1	240.0		0.24	0.11
30	Guscio fond.	42	82	44	84	1	1	240.0		0.24	0.11
31	Guscio fond.	37	63	65	38	1	1	240.0		0.24	0.11
32	Guscio fond.	58	56	19	18	1	1	240.0		0.24	0.11
33	Guscio fond.	41	3	75	77	1	1	240.0		0.24	0.11
34	Guscio fond.	83	41	77	79	1	1	240.0		0.24	0.11
35	Guscio fond.	46	25	24	48	1	1	240.0		0.24	0.11
36	Guscio fond.	30	29	49	51	1	1	240.0		0.24	0.11
37	Guscio fond.	44	81	41	83	1	1	240.0		0.24	0.11
38	Guscio fond.	78	42	84	80	1	1	240.0		0.24	0.11
39	Guscio fond.	47	45	46	7	1	1	240.0		0.24	0.11
40	Guscio fond.	34	57	59	35	1	1	240.0		0.24	0.11
41	Guscio fond.	43	83	79	1	1	1	240.0		0.24	0.11
42	Guscio fond.	39	67	68	40	1	1	240.0		0.24	0.11
43	Guscio fond.	75	3	58	60	1	1	240.0		0.24	0.11
44	Guscio fond.	76	5	42	78	1	1	240.0		0.24	0.11
45	Guscio fond.	54	21	20	56	1	1	240.0		0.24	0.11
46	Guscio fond.	27	11	26	45	1	1	240.0		0.24	0.11
47	Guscio fond.	35	59	61	36	1	1	240.0		0.24	0.11
48	Guscio fond.	36	61	63	37	1	1	240.0		0.24	0.11
49	Guscio fond.	81	73	3	41	1	1	240.0		0.24	0.11
50	Guscio fond.	85	71	73	81	1	1	240.0		0.24	0.11
51	Guscio fond.	74	72	85	82	1	1	240.0		0.24	0.11
52	Guscio fond.	29	28	47	49	1	1	240.0		0.24	0.11
53	Guscio fond.	32	31	53	55	1	1	240.0		0.24	0.11
54	Guscio fond.	5	74	82	42	1	1	240.0		0.24	0.11
55	Guscio fond.	3	54	56	58	1	1	240.0		0.24	0.11
56	Guscio fond.	33	32	55	57	1	1	240.0		0.24	0.11
57	Guscio fond.	7	69	71	85	1	1	240.0		0.24	0.11
58	Guscio fond.	31	30	51	53	1	1	240.0		0.24	0.11
59	Guscio fond.	28	27	45	47	1	1	240.0		0.24	0.11
60	Guscio fond.	82	85	81	44	1	1	240.0		0.24	0.11
61	Guscio fond.	69	48	50	71	1	1	240.0		0.24	0.11
62	Guscio fond.	64	62	16	15	1	1	240.0		0.24	0.11
63	Guscio fond.	48	24	23	50	1	1	240.0		0.24	0.11
64	Guscio fond.	59	5	76	61	1	1	240.0		0.24	0.11

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

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

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

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

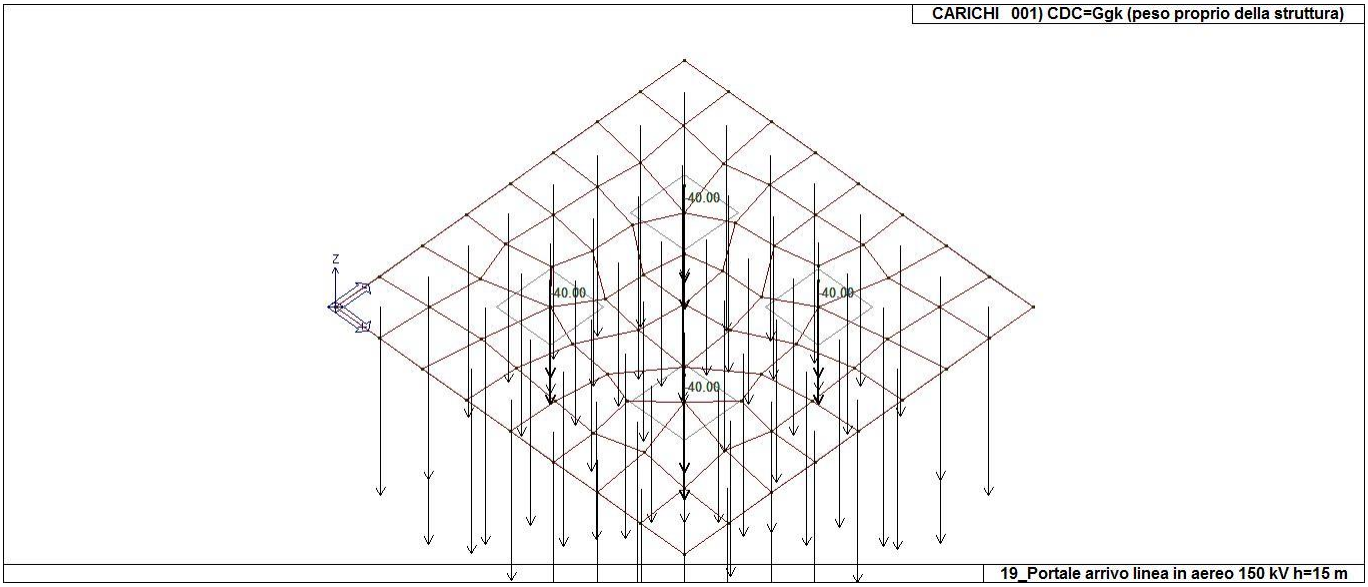
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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

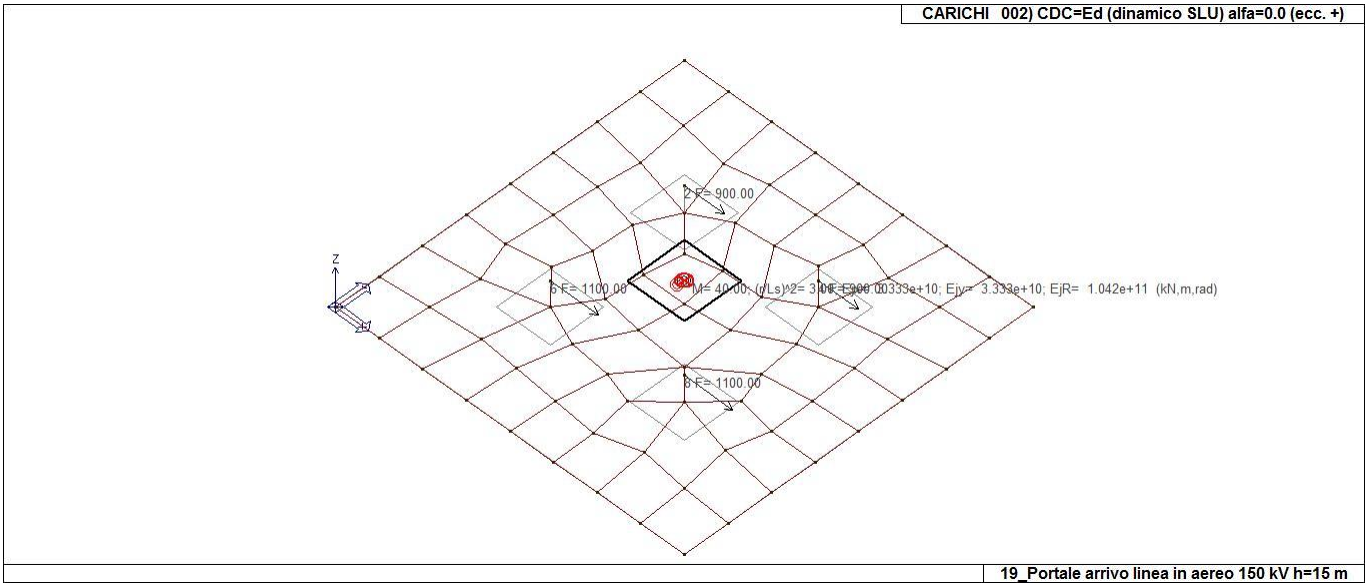
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico

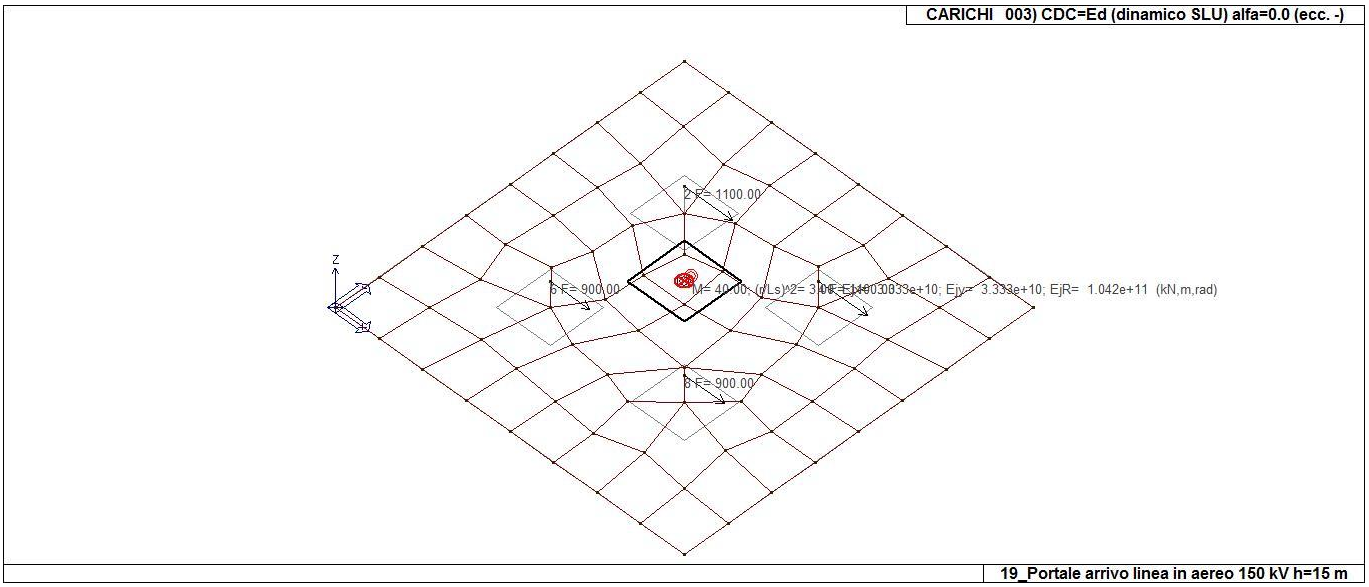
CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico



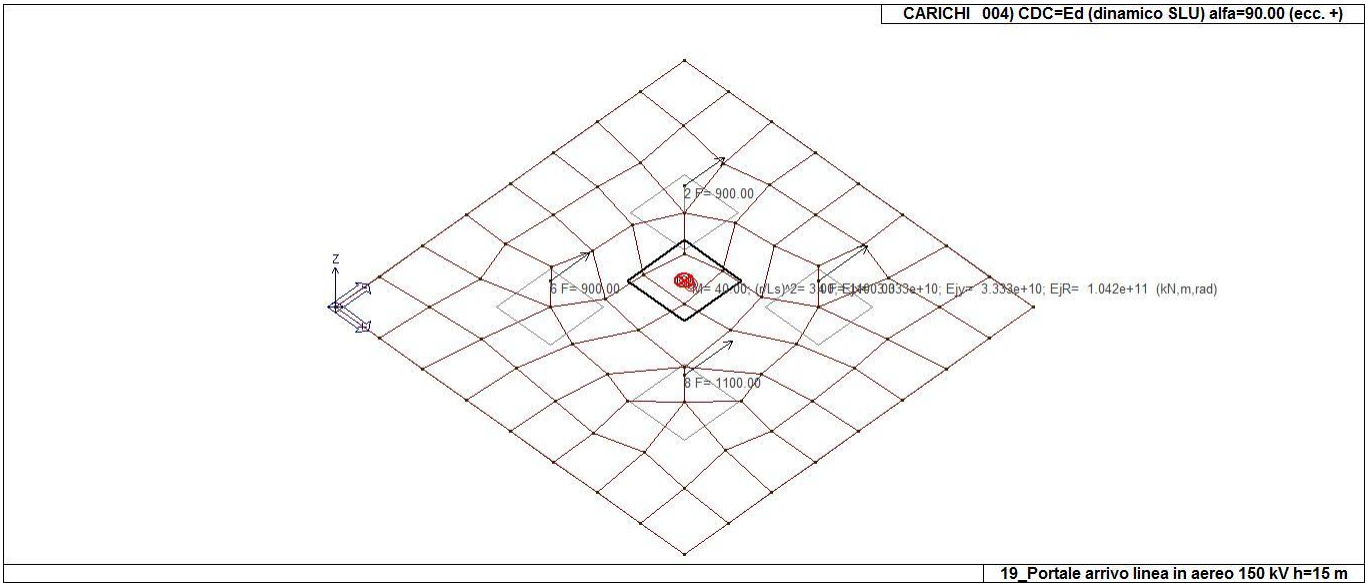
22_CDC_001_CDC=Ggk (peso proprio della struttura)



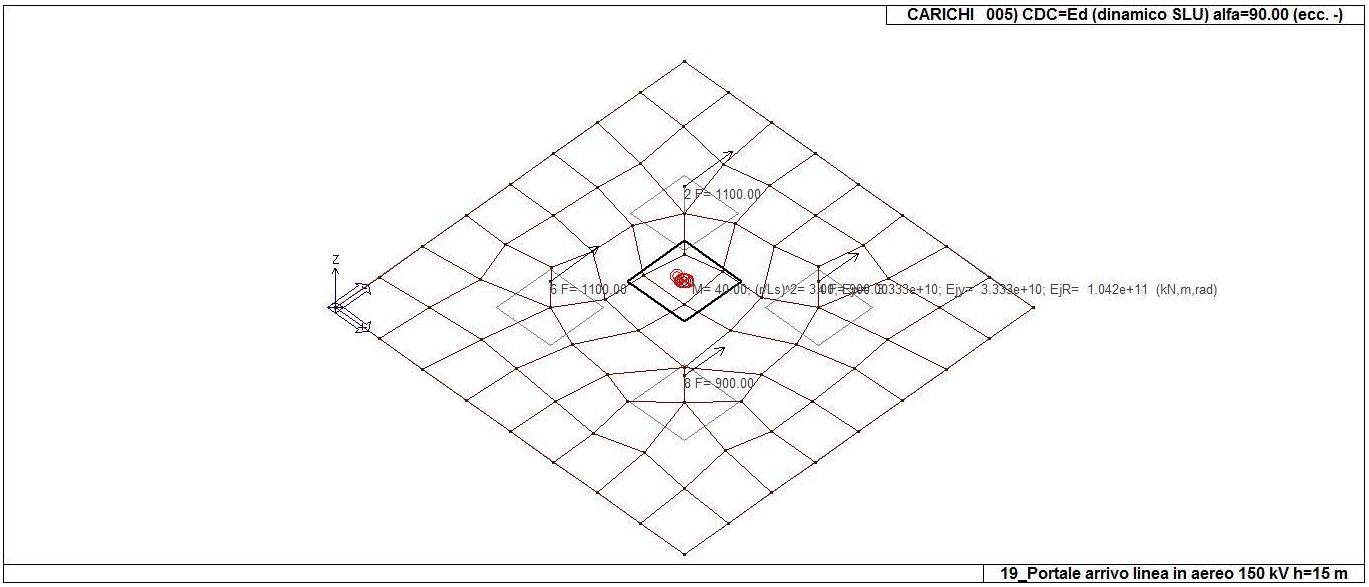
22_CDC_002_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



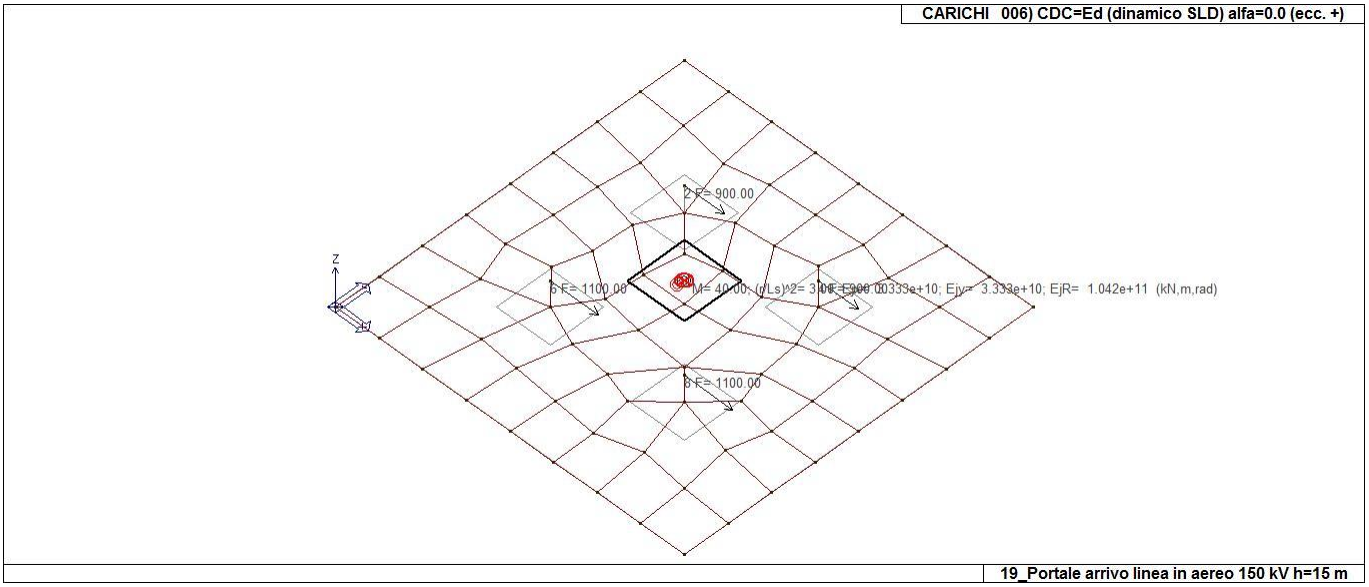
22_CDC_003_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)



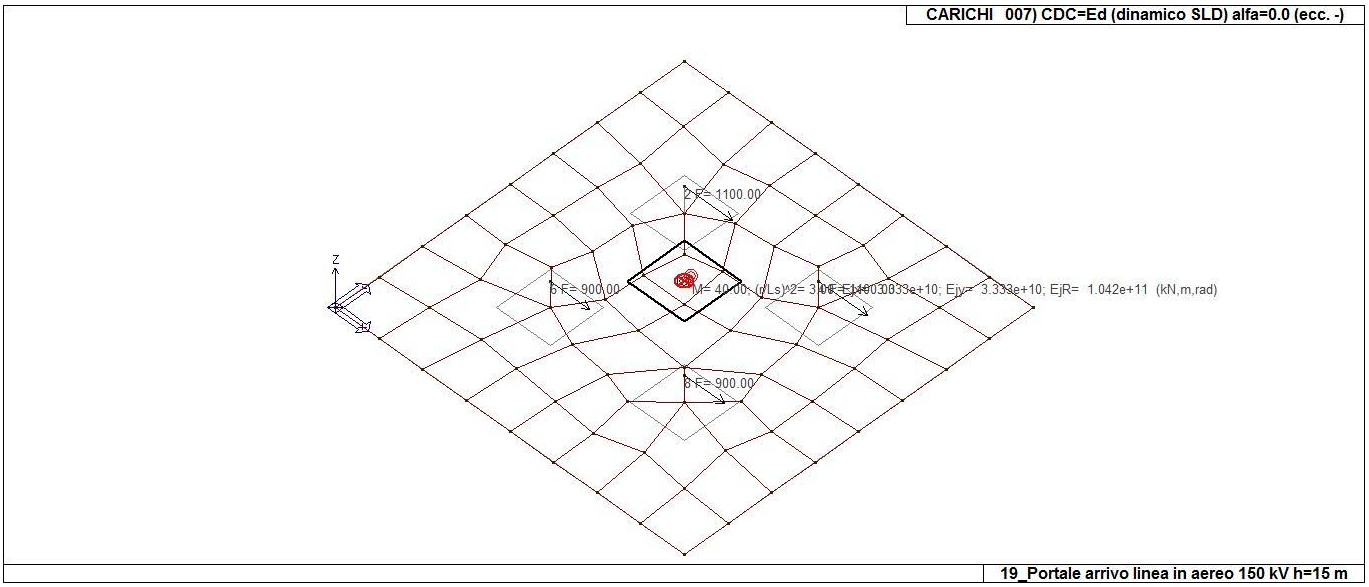
22_CDC_004_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



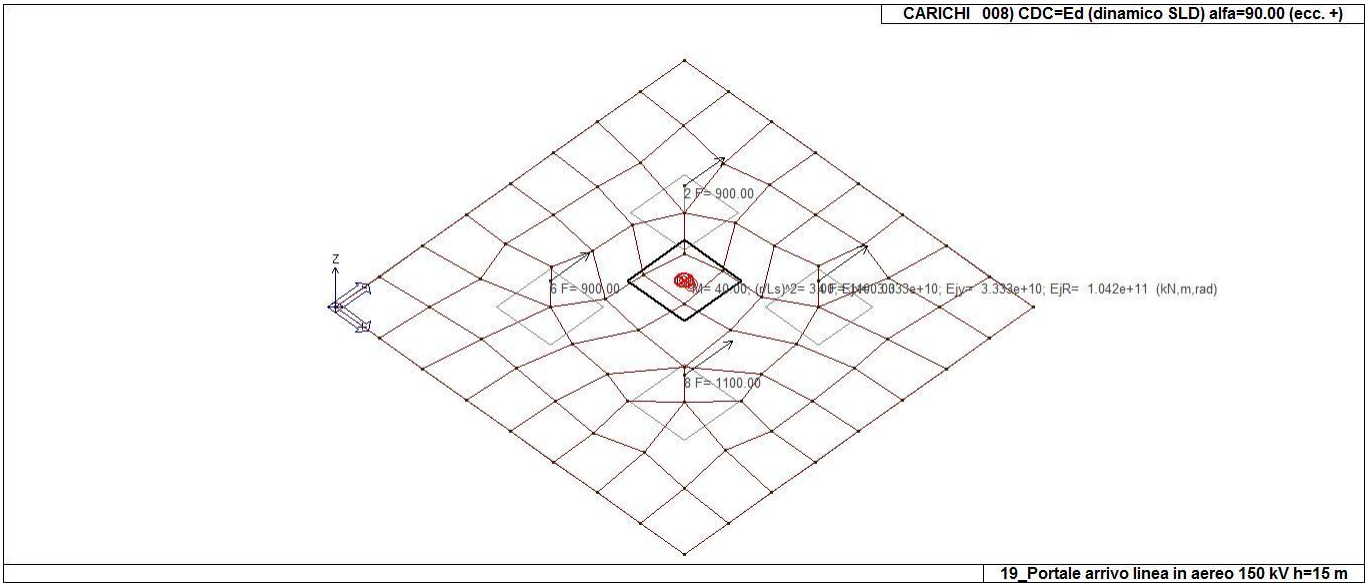
22_CDC_005_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)



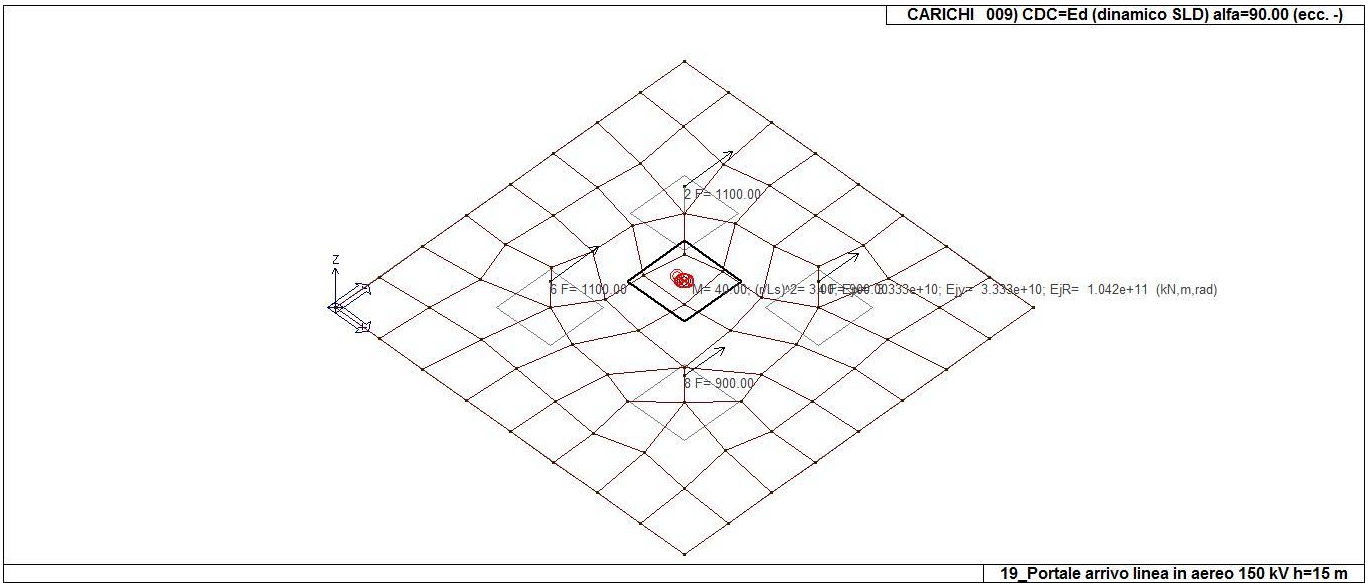
22_CDC_006_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



22_CDC_007_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)



22_CDC_008_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)



22_CDC_009_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

Combinazione fondamentale *SLU*

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

Combinazione caratteristica *(rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

Combinazione frequente *SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

Combinazione quasi permanente *SLE*

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

Combinazione sismica*, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E*

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Combinazione eccezionale*, impiegata per gli stati limite connessi alle azioni eccezionali*

$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*

Carichi permanenti non strutturali *(Non compiutamente definiti)*	*Favorevoli*	*γG2*	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	*γQi*	*0,0*	*0,0*	*0,0*
	Sfavorevoli		*1,5*	*1,5*	*1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 (SLV sism.) 3	
4	SLU	Comb. SLU A1 (SLV sism.) 4	
5	SLU	Comb. SLU A1 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	
8	SLU	Comb. SLU A1 (SLV sism.) 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLD(sis)	Comb. SLE (SLD Danno sism.) 35	
36	SLD(sis)	Comb. SLE (SLD Danno sism.) 36	
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLD(sis)	Comb. SLE (SLD Danno sism.) 38	
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	

Cmb	Tipo	Sigla Id	effetto P-delta
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLU(acc.)	Comb. SLU (Accid.) 67	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
2	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
3	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0					
4	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0					
5	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0					
6	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0					
7	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0					
8	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0					
9	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0					
10	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0					
11	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0					
12	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0					
13	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0					
14	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0					
15	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0					
16	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0					
17	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0					
18	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0					
19	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0					
20	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0					
21	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0					
22	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0					
23	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0					
24	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0					
25	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0					
26	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0					
27	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0					
28	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0					
29	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0					
30	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0					
31	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0					
32	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0					
33	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0					
34	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0					
35	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0					
36	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0					
37	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0					
38	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0					
39	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30					
40	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30					
41	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30					
42	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30					
43	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0					
44	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0					
45	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0					
46	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0					
47	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30					
48	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30					
49	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30					
50	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30					
51	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0					
52	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0					
53	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0					
54	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0					
55	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0					
56	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0					
57	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0					
58	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0					
59	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00					
60	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00					
61	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00					
62	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00					
63	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00					
64	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00					

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
65	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00					
66	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00					
67	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	A	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

Dove per sottosuolo di categoria **A** i coefficienti S_S e C_C valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_S e C_C vengono calcolati mediante le espressioni riportane nella seguente Tabella

Categoria sottosuolo	S_S	C_C
A	1,00	1,00
B	$1,00 \le 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \le 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \le 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \le 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \le 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \le 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \le 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \le 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

Categoria di sottosuolo	S_S	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	17.719	40.552	
34363	17.699	40.506	5.369
34364	17.764	40.504	6.532
34142	17.768	40.554	4.132
34141	17.702	40.556	1.499

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.0	0.033	2.418	0.342
SLD	63.0	201.0	0.038	2.519	0.380
SLV	10.0	1898.0	0.066	2.960	0.508
SLC	5.0	2475.0	0.070	3.021	0.521

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.033	1.000	2.418	0.588	0.114	0.342	1.730
SLD	0.038	1.000	2.519	0.666	0.127	0.380	1.754
SLV	0.066	1.000	2.960	1.030	0.169	0.508	1.866
SLC	0.070	1.000	3.021	1.080	0.174	0.521	1.880

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

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

c) **analisi sismica statica equivalente**:
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

d) **analisi sismica dinamica con spettro di risposta**:

- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

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

Affinché la verifica sia positiva deve essere:

7) V > 0
8) Sig s < fyk
9) Gam t < 5
10) Gam s < Gam * (caratteristica dell' elastomero)
11) Gam s < 2
12) V < 0.5 Vcr

Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: acciaio o composto acciaio-calcestruzzo

Tipologia strutturale: strutture a mensola o a pendolo inverso

Valore base fattore q_0 = 2.000

Fattore di regolarità K_R = 1.0

Fattore dissipativo $q_D = q_0 \cdot K_R$ = 2.000

Fattori di comportamento utilizzati

	Dissipativi
q SLU x	2.000
q SLU y	2.000
q SLU z	1.500

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.060 sec.
			fattore q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	0.0	-12.50	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.078	3956.83	98.9	0.01	3.03e-04	0.0	0.0	0.0	0.0
2	16.739	0.060	0.078	0.01	3.04e-04	3965.81	99.1	3.54e-06	0.0	0.0	0.0
3	25.274	0.040	0.074	0.0	0.0	6.85e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.074	8.86	0.2	1.33e-06	0.0	0.0	0.0	0.0	0.0
5	39.285	0.025	0.071	8.36	0.2	25.85	0.6	6.51e-05	1.63e-06	0.0	0.0
6	39.292	0.025	0.071	25.94	0.6	8.32	0.2	4.15e-06	0.0	0.0	0.0
7	842.163	0.001	0.067	3.54e-06	0.0	0.0	0.0	1.30e-06	0.0	0.0	0.0
8	887.109	0.001	0.067	0.0	0.0	0.0	0.0	2.72e-04	6.79e-06	0.0	0.0
9	1.0712e+03	9.3350e-04	0.067	0.0	0.0	0.0	0.0	2.62e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.060 sec.
			fattore q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	0.0	12.50	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.078	3956.78	98.9	5.11e-03	1.28e-04	0.0	0.0	0.0	0.0
2	16.739	0.060	0.078	5.11e-03	1.28e-04	3965.82	99.1	3.55e-06	0.0	0.0	0.0
3	25.274	0.040	0.074	0.0	0.0	6.85e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.074	8.92	0.2	1.64e-06	0.0	0.0	0.0	0.0	0.0
5	39.285	0.025	0.071	8.31	0.2	25.90	0.6	6.51e-05	1.63e-06	0.0	0.0
6	39.292	0.025	0.071	25.99	0.6	8.27	0.2	4.10e-06	0.0	0.0	0.0
7	847.260	0.001	0.067	3.75e-06	0.0	0.0	0.0	4.05e-06	0.0	0.0	0.0
8	884.103	0.001	0.067	0.0	0.0	0.0	0.0	2.66e-04	6.66e-06	0.0	0.0
9	1.1748e+03	8.5117e-04	0.067	0.0	0.0	0.0	0.0	4.87e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.060 sec.
			fattore q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	12.50	0.0	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.078	0.04	9.46e-04	3956.77	98.9	3.49e-06	0.0	0.0	0.0
2	16.739	0.060	0.078	3965.79	99.1	0.04	9.48e-04	0.0	0.0	0.0	0.0
3	25.274	0.040	0.074	0.0	0.0	6.17e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.074	2.57e-05	0.0	8.88	0.2	6.14e-06	0.0	0.0	0.0
5	39.286	0.025	0.071	16.68	0.4	17.57	0.4	5.30e-05	1.33e-06	0.0	0.0
6	39.291	0.025	0.071	17.49	0.4	16.74	0.4	1.62e-05	0.0	0.0	0.0
7	869.417	0.001	0.067	0.0	0.0	3.36e-06	0.0	0.0	0.0	0.0	0.0
8	887.803	0.001	0.067	0.0	0.0	0.0	0.0	2.75e-04	6.88e-06	0.0	0.0
9	1.1233e+03	8.9025e-04	0.067	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa

CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.060 sec.
			fattore q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	-12.50	0.0	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.078	1.77e-04	4.42e-06	3956.80	98.9	3.50e-06	0.0	0.0	0.0
2	16.739	0.060	0.078	3965.83	99.1	1.78e-04	4.45e-06	0.0	0.0	0.0	0.0
3	25.274	0.040	0.074	0.0	0.0	6.21e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.074	2.70e-05	0.0	8.89	0.2	5.44e-06	0.0	0.0	0.0
5	39.286	0.025	0.071	16.71	0.4	17.54	0.4	5.30e-05	1.32e-06	0.0	0.0
6	39.291	0.025	0.071	17.46	0.4	16.76	0.4	1.62e-05	0.0	0.0	0.0
7	852.265	0.001	0.067	0.0	0.0	4.02e-06	0.0	7.65e-06	0.0	0.0	0.0
8	884.193	0.001	0.067	0.0	0.0	0.0	0.0	2.61e-04	6.52e-06	0.0	0.0
9	1.0460e+03	9.5604e-04	0.067	0.0	0.0	0.0	0.0	6.38e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.060 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	0.0	-12.50	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.066	3956.83	98.9	0.01	3.03e-04	0.0	0.0	0.0	0.0
2	16.739	0.060	0.066	0.01	3.04e-04	3965.81	99.1	3.54e-06	0.0	0.0	0.0
3	25.274	0.040	0.057	0.0	0.0	6.85e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.056	8.86	0.2	1.33e-06	0.0	0.0	0.0	0.0	0.0
5	39.285	0.025	0.050	8.36	0.2	25.85	0.6	6.51e-05	1.63e-06	0.0	0.0
6	39.292	0.025	0.050	25.94	0.6	8.32	0.2	4.15e-06	0.0	0.0	0.0
7	842.163	0.001	0.039	3.54e-06	0.0	0.0	0.0	1.30e-06	0.0	0.0	0.0
8	887.109	0.001	0.039	0.0	0.0	0.0	0.0	2.72e-04	6.79e-06	0.0	0.0
9	1.0712e+03	9.3350e-04	0.039	0.0	0.0	0.0	0.0	2.62e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.060 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	0.0	12.50	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.066	3956.78	98.9	5.11e-03	1.28e-04	0.0	0.0	0.0	0.0
2	16.739	0.060	0.066	5.11e-03	1.28e-04	3965.82	99.1	3.55e-06	0.0	0.0	0.0
3	25.274	0.040	0.057	0.0	0.0	6.85e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.056	8.92	0.2	1.64e-06	0.0	0.0	0.0	0.0	0.0
5	39.285	0.025	0.050	8.31	0.2	25.90	0.6	6.51e-05	1.63e-06	0.0	0.0
6	39.292	0.025	0.050	25.99	0.6	8.27	0.2	4.10e-06	0.0	0.0	0.0
7	847.260	0.001	0.039	3.75e-06	0.0	0.0	0.0	4.05e-06	0.0	0.0	0.0
8	884.103	0.001	0.039	0.0	0.0	0.0	0.0	2.66e-04	6.66e-06	0.0	0.0
9	1.1748e+03	8.5117e-04	0.039	0.0	0.0	0.0	0.0	4.87e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.060 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	12.50	0.0	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.066	0.04	9.46e-04	3956.77	98.9	3.49e-06	0.0	0.0	0.0
2	16.739	0.060	0.066	3965.79	99.1	0.04	9.48e-04	0.0	0.0	0.0	0.0
3	25.274	0.040	0.057	0.0	0.0	6.17e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.056	2.57e-05	0.0	8.88	0.2	6.14e-06	0.0	0.0	0.0
5	39.286	0.025	0.050	16.68	0.4	17.57	0.4	5.30e-05	1.33e-06	0.0	0.0
6	39.291	0.025	0.050	17.49	0.4	16.74	0.4	1.62e-05	0.0	0.0	0.0
7	869.417	0.001	0.039	0.0	0.0	3.36e-06	0.0	0.0	0.0	0.0	0.0
8	887.803	0.001	0.039	0.0	0.0	0.0	0.0	2.75e-04	6.88e-06	0.0	0.0
9	1.1233e+03	8.9025e-04	0.039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: A
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.097 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.060 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

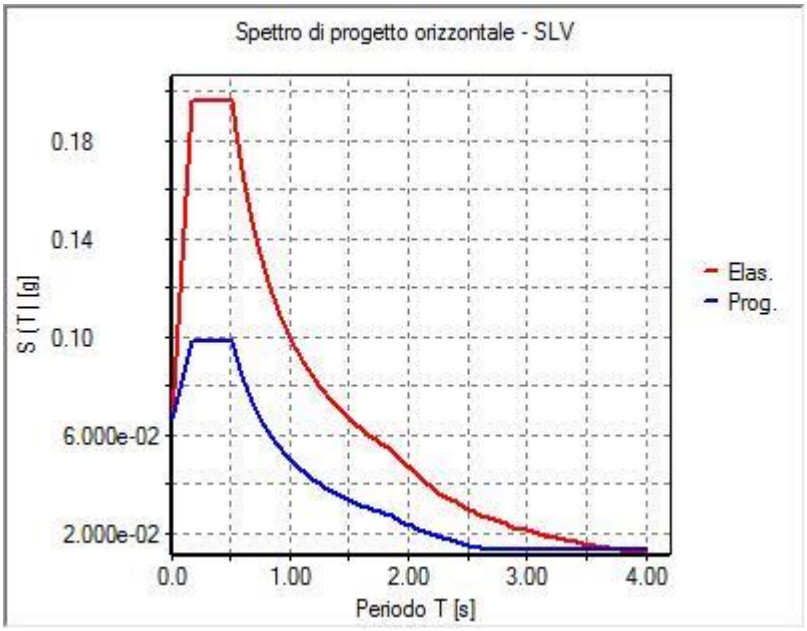
Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
50.00	4000.00	325.00	325.00	-12.50	0.0	325.00	325.00	3.000	0.0	0.0
Risulta	4000.00									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	16.710	0.060	0.066	1.77e-04	4.42e-06	3956.80	98.9	3.50e-06	0.0	0.0	0.0
2	16.739	0.060	0.066	3965.83	99.1	1.78e-04	4.45e-06	0.0	0.0	0.0	0.0
3	25.274	0.040	0.057	0.0	0.0	6.21e-06	0.0	4000.00	100.0	0.0	0.0
4	26.230	0.038	0.056	2.70e-05	0.0	8.89	0.2	5.44e-06	0.0	0.0	0.0
5	39.286	0.025	0.050	16.71	0.4	17.54	0.4	5.30e-05	1.32e-06	0.0	0.0
6	39.291	0.025	0.050	17.46	0.4	16.76	0.4	1.62e-05	0.0	0.0	0.0
7	852.265	0.001	0.039	0.0	0.0	4.02e-06	0.0	7.65e-06	0.0	0.0	0.0
8	884.193	0.001	0.039	0.0	0.0	0.0	0.0	2.61e-04	6.52e-06	0.0	0.0
9	1.0460e+03	9.5604e-04	0.039	0.0	0.0	0.0	0.0	6.38e-06	0.0	0.0	0.0
Risulta				4000.00		4000.00		4000.00			
In percentuale				100.00		100.00		100.00			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
35	1	4.53e-03	2.26e-04	50.0	2	4.37e-03	2.18e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.42e-03	2.21e-04	50.0								
36	1	4.55e-03	2.28e-04	50.0	2	4.39e-03	2.19e-04	50.0	3	4.51e-03	2.25e-04	50.0
	4	4.34e-03	2.17e-04	50.0								
37	1	4.39e-03	2.20e-04	50.0	2	4.55e-03	2.28e-04	50.0	3	4.44e-03	2.22e-04	50.0
	4	4.61e-03	2.30e-04	50.0								
38	1	4.41e-03	2.21e-04	50.0	2	4.57e-03	2.29e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.53e-03	2.27e-04	50.0								
39	1	4.53e-03	2.26e-04	50.0	2	4.36e-03	2.18e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.42e-03	2.21e-04	50.0								
40	1	4.55e-03	2.28e-04	50.0	2	4.39e-03	2.19e-04	50.0	3	4.51e-03	2.25e-04	50.0
	4	4.34e-03	2.17e-04	50.0								
41	1	4.39e-03	2.20e-04	50.0	2	4.55e-03	2.28e-04	50.0	3	4.44e-03	2.22e-04	50.0
	4	4.61e-03	2.30e-04	50.0								
42	1	4.41e-03	2.21e-04	50.0	2	4.57e-03	2.29e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.53e-03	2.27e-04	50.0								
43	1	4.53e-03	2.27e-04	50.0	2	4.37e-03	2.18e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.42e-03	2.21e-04	50.0								
44	1	4.55e-03	2.28e-04	50.0	2	4.39e-03	2.20e-04	50.0	3	4.50e-03	2.25e-04	50.0
	4	4.34e-03	2.17e-04	50.0								
45	1	4.39e-03	2.20e-04	50.0	2	4.56e-03	2.28e-04	50.0	3	4.44e-03	2.22e-04	50.0
	4	4.60e-03	2.30e-04	50.0								
46	1	4.41e-03	2.21e-04	50.0	2	4.58e-03	2.29e-04	50.0	3	4.36e-03	2.18e-04	50.0
	4	4.53e-03	2.26e-04	50.0								
47	1	4.53e-03	2.27e-04	50.0	2	4.37e-03	2.18e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.42e-03	2.21e-04	50.0								
48	1	4.55e-03	2.28e-04	50.0	2	4.39e-03	2.20e-04	50.0	3	4.50e-03	2.25e-04	50.0

	4	4.34e-03	2.17e-04	50.0					
49	1	4.39e-03	2.20e-04	50.0	2	4.56e-03	2.28e-04	50.0	3	4.44e-03	2.22e-04	50.0
	4	4.60e-03	2.30e-04	50.0								
50	1	4.41e-03	2.21e-04	50.0	2	4.58e-03	2.29e-04	50.0	3	4.36e-03	2.18e-04	50.0
	4	4.53e-03	2.26e-04	50.0								
51	1	4.46e-03	2.23e-04	50.0	2	4.41e-03	2.20e-04	50.0	3	4.62e-03	2.31e-04	50.0
	4	4.58e-03	2.29e-04	50.0								
52	1	4.53e-03	2.26e-04	50.0	2	4.48e-03	2.24e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.32e-03	2.16e-04	50.0								
53	1	4.42e-03	2.21e-04	50.0	2	4.47e-03	2.23e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.63e-03	2.32e-04	50.0								
54	1	4.49e-03	2.24e-04	50.0	2	4.54e-03	2.27e-04	50.0	3	4.32e-03	2.16e-04	50.0
	4	4.38e-03	2.19e-04	50.0								
55	1	4.46e-03	2.23e-04	50.0	2	4.41e-03	2.21e-04	50.0	3	4.62e-03	2.31e-04	50.0
	4	4.58e-03	2.29e-04	50.0								
56	1	4.53e-03	2.26e-04	50.0	2	4.48e-03	2.24e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.32e-03	2.16e-04	50.0								
57	1	4.42e-03	2.21e-04	50.0	2	4.47e-03	2.23e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.63e-03	2.32e-04	50.0								
58	1	4.49e-03	2.24e-04	50.0	2	4.54e-03	2.27e-04	50.0	3	4.32e-03	2.16e-04	50.0
	4	4.38e-03	2.19e-04	50.0								
59	1	4.46e-03	2.23e-04	50.0	2	4.41e-03	2.20e-04	50.0	3	4.62e-03	2.31e-04	50.0
	4	4.57e-03	2.29e-04	50.0								
60	1	4.53e-03	2.27e-04	50.0	2	4.48e-03	2.24e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.32e-03	2.16e-04	50.0								
61	1	4.42e-03	2.21e-04	50.0	2	4.46e-03	2.23e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.63e-03	2.31e-04	50.0								
62	1	4.49e-03	2.24e-04	50.0	2	4.53e-03	2.27e-04	50.0	3	4.32e-03	2.16e-04	50.0
	4	4.37e-03	2.19e-04	50.0								
63	1	4.46e-03	2.23e-04	50.0	2	4.41e-03	2.20e-04	50.0	3	4.62e-03	2.31e-04	50.0
	4	4.57e-03	2.29e-04	50.0								
64	1	4.53e-03	2.27e-04	50.0	2	4.48e-03	2.24e-04	50.0	3	4.37e-03	2.18e-04	50.0
	4	4.31e-03	2.16e-04	50.0								
65	1	4.42e-03	2.21e-04	50.0	2	4.46e-03	2.23e-04	50.0	3	4.58e-03	2.29e-04	50.0
	4	4.63e-03	2.31e-04	50.0								
66	1	4.49e-03	2.24e-04	50.0	2	4.53e-03	2.27e-04	50.0	3	4.32e-03	2.16e-04	50.0
	4	4.37e-03	2.19e-04	50.0								

Cmb	**1000 etaT/h**
	4.63e-03



31_RIS_SPETTRI_PROGETTO_SLV_O

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	1.31e-05	-1.31e-05	-3.30	0.0	0.0	0.0
1	15	6.88e-03	2.28e-03	-2.54	-1.50e-06	5.19e-06	-2.58e-06
1	33	-1.78e-03	6.71e-03	-2.54	-5.09e-06	-1.47e-06	-1.39e-06
1	34	-2.28e-03	-6.88e-03	-2.54	5.16e-06	-1.46e-06	2.58e-06
1	47	5.84e-03	1.93e-03	-2.54	-1.26e-06	4.40e-06	-2.17e-06
1	65	-1.51e-03	5.69e-03	-2.54	-4.29e-06	-1.23e-06	-1.17e-06
1	66	-1.93e-03	-5.84e-03	-2.54	4.36e-06	-1.22e-06	2.17e-06
1	67	1.01e-05	-1.01e-05	-2.54	0.0	0.0	0.0
2	1	1.79e-05	-1.55e-05	-3.30	0.0	0.0	0.0
2	15	7.14e-03	2.35e-03	-2.54	-1.50e-06	5.19e-06	-2.58e-06
2	33	-1.85e-03	6.96e-03	-2.54	-5.09e-06	-1.47e-06	-1.39e-06
2	34	-2.35e-03	-7.14e-03	-2.54	5.16e-06	-1.46e-06	2.58e-06
2	47	6.05e-03	1.99e-03	-2.54	-1.26e-06	4.40e-06	-2.17e-06
2	65	-1.57e-03	5.90e-03	-2.54	-4.29e-06	-1.23e-06	-1.17e-06
2	66	-1.99e-03	-6.05e-03	-2.54	4.36e-06	-1.22e-06	2.17e-06
2	67	1.37e-05	-1.19e-05	-2.54	0.0	0.0	0.0
3	1	-1.31e-05	-1.33e-05	-3.30	0.0	0.0	0.0
3	18	-6.88e-03	-1.66e-03	-2.54	1.57e-06	-5.22e-06	2.59e-06
3	23	1.78e-03	6.71e-03	-2.54	-5.09e-06	1.44e-06	1.39e-06
3	24	2.28e-03	-6.88e-03	-2.54	5.16e-06	1.44e-06	-2.58e-06
3	50	-5.84e-03	-1.41e-03	-2.54	1.33e-06	-4.43e-06	2.17e-06
3	55	1.51e-03	5.69e-03	-2.54	-4.29e-06	1.20e-06	1.17e-06
3	56	1.93e-03	-5.84e-03	-2.54	4.37e-06	1.20e-06	-2.16e-06
3	67	-1.01e-05	-1.02e-05	-2.54	0.0	0.0	0.0
4	1	-1.95e-05	-1.57e-05	-3.30	0.0	0.0	0.0
4	18	-7.14e-03	-1.74e-03	-2.54	1.57e-06	-5.22e-06	2.59e-06
4	23	1.85e-03	6.96e-03	-2.54	-5.09e-06	1.44e-06	1.39e-06
4	24	2.35e-03	-7.13e-03	-2.54	5.16e-06	1.44e-06	-2.58e-06
4	50	-6.06e-03	-1.48e-03	-2.54	1.33e-06	-4.43e-06	2.17e-06
4	55	1.57e-03	5.90e-03	-2.54	-4.29e-06	1.20e-06	1.17e-06
4	56	1.99e-03	-6.05e-03	-2.54	4.37e-06	1.20e-06	-2.16e-06
4	67	-1.50e-05	-1.21e-05	-2.54	0.0	0.0	0.0
5	1	1.32e-05	1.31e-05	-3.30	0.0	0.0	0.0
5	8	6.88e-03	-2.28e-03	-2.54	1.40e-06	5.20e-06	2.58e-06
5	10	-6.71e-03	-1.78e-03	-2.54	1.40e-06	-5.05e-06	-1.39e-06
5	31	1.66e-03	6.88e-03	-2.54	-5.26e-06	1.61e-06	-2.58e-06
5	40	5.84e-03	-1.93e-03	-2.54	1.17e-06	4.40e-06	2.16e-06
5	42	-5.69e-03	-1.51e-03	-2.54	1.16e-06	-4.25e-06	-1.16e-06
5	63	1.41e-03	5.84e-03	-2.54	-4.46e-06	1.37e-06	-2.17e-06
5	67	1.02e-05	1.01e-05	-2.54	0.0	0.0	0.0
6	1	1.80e-05	2.18e-05	-3.30	0.0	0.0	0.0
6	8	7.14e-03	-2.35e-03	-2.54	1.40e-06	5.20e-06	2.58e-06
6	10	-6.96e-03	-1.85e-03	-2.54	1.40e-06	-5.05e-06	-1.39e-06
6	31	1.74e-03	7.14e-03	-2.54	-5.26e-06	1.61e-06	-2.58e-06
6	40	6.05e-03	-1.98e-03	-2.54	1.17e-06	4.40e-06	2.16e-06
6	42	-5.90e-03	-1.57e-03	-2.54	1.16e-06	-4.25e-06	-1.16e-06

6	63	1.48e-03	6.06e-03	-2.54	-4.46e-06	1.37e-06	-2.17e-06
6	67	1.38e-05	1.68e-05	-2.54	0.0	0.0	0.0
7	1	-1.32e-05	1.32e-05	-3.30	0.0	0.0	0.0
7	4	6.71e-03	-1.78e-03	-2.54	1.40e-06	5.03e-06	1.39e-06
7	9	-6.88e-03	1.66e-03	-2.54	-1.67e-06	-5.22e-06	-2.58e-06
7	25	-1.66e-03	6.88e-03	-2.54	-5.26e-06	-1.64e-06	2.58e-06
7	36	5.69e-03	-1.51e-03	-2.54	1.17e-06	4.23e-06	1.16e-06
7	41	-5.84e-03	1.41e-03	-2.54	-1.43e-06	-4.43e-06	-2.16e-06
7	57	-1.41e-03	5.84e-03	-2.54	-4.46e-06	-1.40e-06	2.16e-06
7	67	-1.01e-05	1.01e-05	-2.54	0.0	0.0	0.0
8	1	-1.95e-05	2.19e-05	-3.30	0.0	0.0	0.0
8	4	6.96e-03	-1.85e-03	-2.54	1.40e-06	5.03e-06	1.39e-06
8	9	-7.14e-03	1.74e-03	-2.54	-1.67e-06	-5.22e-06	-2.58e-06
8	25	-1.74e-03	7.14e-03	-2.54	-5.26e-06	-1.64e-06	2.58e-06
8	36	5.90e-03	-1.57e-03	-2.54	1.17e-06	4.23e-06	1.16e-06
8	41	-6.06e-03	1.48e-03	-2.54	-1.43e-06	-4.43e-06	-2.16e-06
8	57	-1.48e-03	6.06e-03	-2.54	-4.46e-06	-1.40e-06	2.16e-06
8	67	-1.50e-05	1.68e-05	-2.54	0.0	0.0	0.0
9	1	2.10e-05	-2.09e-05	-3.30	0.0	0.0	0.0
9	15	7.38e-03	2.78e-03	-2.54	-1.45e-06	5.24e-06	0.0
9	33	-1.49e-03	6.96e-03	-2.54	-5.03e-06	-1.41e-06	0.0
9	34	-2.78e-03	-7.38e-03	-2.54	5.20e-06	-1.41e-06	0.0
9	47	6.26e-03	2.35e-03	-2.54	-1.21e-06	4.44e-06	0.0
9	65	-1.27e-03	5.90e-03	-2.54	-4.24e-06	-1.18e-06	0.0
9	66	-2.35e-03	-6.26e-03	-2.54	4.41e-06	-1.17e-06	0.0
9	67	1.61e-05	-1.61e-05	-2.54	0.0	0.0	0.0
10	1	-2.11e-05	-2.09e-05	-3.30	0.0	0.0	0.0
10	18	-7.38e-03	-1.16e-03	-2.54	1.62e-06	-5.26e-06	0.0
10	23	1.49e-03	6.96e-03	-2.54	-5.03e-06	1.39e-06	0.0
10	24	2.78e-03	-7.38e-03	-2.54	5.20e-06	1.39e-06	0.0
10	50	-6.26e-03	-9.91e-04	-2.54	1.38e-06	-4.47e-06	0.0
10	55	1.27e-03	5.90e-03	-2.54	-4.24e-06	1.15e-06	0.0
10	56	2.35e-03	-6.26e-03	-2.54	4.41e-06	1.15e-06	0.0
10	67	-1.63e-05	-1.61e-05	-2.54	0.0	0.0	0.0
11	1	-2.09e-05	2.10e-05	-3.30	0.0	0.0	0.0
11	9	-7.38e-03	1.16e-03	-2.54	-1.72e-06	-5.26e-06	0.0
11	20	1.49e-03	-6.96e-03	-2.54	4.93e-06	1.39e-06	0.0
11	25	-1.16e-03	7.38e-03	-2.54	-5.30e-06	-1.68e-06	0.0
11	41	-6.26e-03	9.93e-04	-2.54	-1.48e-06	-4.47e-06	0.0
11	52	1.27e-03	-5.90e-03	-2.54	4.14e-06	1.15e-06	0.0
11	57	-9.92e-04	6.26e-03	-2.54	-4.50e-06	-1.44e-06	0.0
11	67	-1.61e-05	1.61e-05	-2.54	0.0	0.0	0.0
12	1	2.09e-05	2.11e-05	-3.30	0.0	0.0	0.0
12	8	7.38e-03	-2.78e-03	-2.54	1.35e-06	5.24e-06	0.0
12	10	-6.96e-03	-1.49e-03	-2.54	1.35e-06	-4.99e-06	0.0
12	31	1.16e-03	7.38e-03	-2.54	-5.30e-06	1.66e-06	0.0
12	40	6.26e-03	-2.35e-03	-2.54	1.11e-06	4.44e-06	0.0
12	42	-5.90e-03	-1.27e-03	-2.54	1.11e-06	-4.20e-06	0.0
12	63	9.91e-04	6.26e-03	-2.54	-4.50e-06	1.42e-06	0.0
12	67	1.61e-05	1.63e-05	-2.54	0.0	0.0	0.0
13	1	2.01e-05	-2.14e-05	-3.30	0.0	0.0	0.0
13	15	7.38e-03	2.57e-03	-2.54	-1.44e-06	5.23e-06	0.0
13	33	-1.49e-03	6.85e-03	-2.54	-5.03e-06	-1.42e-06	0.0
13	34	-2.78e-03	-7.18e-03	-2.54	5.20e-06	-1.42e-06	0.0
13	47	6.26e-03	2.18e-03	-2.54	-1.21e-06	4.44e-06	0.0
13	65	-1.27e-03	5.81e-03	-2.54	-4.23e-06	-1.18e-06	0.0
13	66	-2.35e-03	-6.09e-03	-2.54	4.41e-06	-1.18e-06	0.0
13	67	1.54e-05	-1.64e-05	-2.54	0.0	0.0	0.0
14	1	1.59e-05	-2.25e-05	-3.30	0.0	0.0	0.0
14	15	7.38e-03	2.37e-03	-2.54	-1.44e-06	5.20e-06	0.0
14	33	-1.49e-03	6.75e-03	-2.54	-5.02e-06	-1.45e-06	0.0
14	34	-2.78e-03	-6.98e-03	-2.54	5.21e-06	-1.44e-06	0.0
14	47	6.26e-03	2.00e-03	-2.54	-1.20e-06	4.41e-06	0.0
14	65	-1.27e-03	5.72e-03	-2.54	-4.23e-06	-1.21e-06	0.0
14	66	-2.35e-03	-5.92e-03	-2.54	4.42e-06	-1.21e-06	0.0
14	67	1.22e-05	-1.73e-05	-2.54	0.0	0.0	0.0
15	1	8.35e-06	-2.29e-05	-3.30	0.0	0.0	0.0
15	15	7.37e-03	2.16e-03	-2.54	-1.44e-06	5.16e-06	0.0
15	33	-1.50e-03	6.65e-03	-2.54	-5.02e-06	-1.50e-06	0.0
15	34	-2.79e-03	-6.78e-03	-2.54	5.21e-06	-1.49e-06	0.0
15	47	6.25e-03	1.83e-03	-2.54	-1.20e-06	4.36e-06	0.0
15	65	-1.28e-03	5.64e-03	-2.54	-4.22e-06	-1.26e-06	0.0
15	66	-2.36e-03	-5.75e-03	-2.54	4.42e-06	-1.25e-06	0.0
15	67	6.42e-06	-1.76e-05	-2.54	0.0	0.0	0.0
16	1	0.0	-2.25e-05	-3.30	0.0	0.0	0.0
16	18	-7.36e-03	-1.99e-03	-2.54	1.63e-06	-5.13e-06	0.0

16	20	2.43e-03	-6.58e-03	-2.54	5.21e-06	1.52e-06	0.0
16	21	-2.44e-03	6.55e-03	-2.54	-5.02e-06	-1.55e-06	0.0
16	50	-6.24e-03	-1.69e-03	-2.54	1.39e-06	-4.33e-06	0.0
16	52	2.06e-03	-5.58e-03	-2.54	4.42e-06	1.28e-06	0.0
16	53	-2.06e-03	5.55e-03	-2.54	-4.23e-06	-1.31e-06	0.0
16	67	0.0	-1.73e-05	-2.54	0.0	0.0	0.0
17	1	-8.45e-06	-2.29e-05	-3.30	0.0	0.0	0.0
17	18	-7.37e-03	-1.78e-03	-2.54	1.63e-06	-5.18e-06	0.0
17	23	1.50e-03	6.65e-03	-2.54	-5.02e-06	1.47e-06	0.0
17	24	2.79e-03	-6.78e-03	-2.54	5.22e-06	1.47e-06	0.0
17	50	-6.25e-03	-1.51e-03	-2.54	1.39e-06	-4.39e-06	0.0
17	55	1.28e-03	5.64e-03	-2.54	-4.22e-06	1.23e-06	0.0
17	56	2.36e-03	-5.75e-03	-2.54	4.42e-06	1.23e-06	0.0
17	67	-6.50e-06	-1.76e-05	-2.54	0.0	0.0	0.0
18	1	-1.61e-05	-2.26e-05	-3.30	0.0	0.0	0.0
18	18	-7.38e-03	-1.57e-03	-2.54	1.63e-06	-5.23e-06	0.0
18	23	1.49e-03	6.75e-03	-2.54	-5.02e-06	1.42e-06	0.0
18	24	2.78e-03	-6.98e-03	-2.54	5.21e-06	1.42e-06	0.0
18	50	-6.26e-03	-1.34e-03	-2.54	1.39e-06	-4.44e-06	0.0
18	55	1.27e-03	5.72e-03	-2.54	-4.23e-06	1.18e-06	0.0
18	56	2.35e-03	-5.92e-03	-2.54	4.42e-06	1.18e-06	0.0
18	67	-1.24e-05	-1.73e-05	-2.54	0.0	0.0	0.0
19	1	-2.02e-05	-2.14e-05	-3.30	0.0	0.0	0.0
19	18	-7.38e-03	-1.37e-03	-2.54	1.62e-06	-5.26e-06	0.0
19	23	1.49e-03	6.85e-03	-2.54	-5.03e-06	1.39e-06	0.0
19	24	2.78e-03	-7.18e-03	-2.54	5.20e-06	1.39e-06	0.0
19	50	-6.26e-03	-1.16e-03	-2.54	1.38e-06	-4.46e-06	0.0
19	55	1.27e-03	5.81e-03	-2.54	-4.23e-06	1.16e-06	0.0
19	56	2.35e-03	-6.09e-03	-2.54	4.41e-06	1.15e-06	0.0
19	67	-1.55e-05	-1.65e-05	-2.54	0.0	0.0	0.0
20	1	-2.15e-05	-2.00e-05	-3.30	0.0	0.0	0.0
20	11	6.86e-03	1.49e-03	-2.54	-1.46e-06	4.96e-06	0.0
20	18	-7.18e-03	-1.16e-03	-2.54	1.61e-06	-5.27e-06	0.0
20	24	2.57e-03	-7.38e-03	-2.54	5.19e-06	1.39e-06	0.0
20	43	5.81e-03	1.27e-03	-2.54	-1.22e-06	4.17e-06	0.0
20	50	-6.09e-03	-9.90e-04	-2.54	1.38e-06	-4.47e-06	0.0
20	56	2.17e-03	-6.26e-03	-2.54	4.40e-06	1.15e-06	0.0
20	67	-1.66e-05	-1.54e-05	-2.54	0.0	0.0	0.0
21	1	-2.25e-05	-1.58e-05	-3.30	0.0	0.0	0.0
21	11	6.75e-03	1.49e-03	-2.54	-1.48e-06	4.96e-06	0.0
21	18	-6.98e-03	-1.15e-03	-2.54	1.59e-06	-5.27e-06	0.0
21	24	2.37e-03	-7.37e-03	-2.54	5.17e-06	1.38e-06	0.0
21	43	5.72e-03	1.27e-03	-2.54	-1.24e-06	4.16e-06	0.0
21	50	-5.92e-03	-9.87e-04	-2.54	1.35e-06	-4.48e-06	0.0
21	56	2.00e-03	-6.25e-03	-2.54	4.37e-06	1.14e-06	0.0
21	67	-1.73e-05	-1.22e-05	-2.54	0.0	0.0	0.0
22	1	-2.28e-05	-8.32e-06	-3.30	0.0	0.0	0.0
22	11	6.65e-03	1.50e-03	-2.54	-1.53e-06	4.96e-06	0.0
22	18	-6.78e-03	-1.15e-03	-2.54	1.54e-06	-5.27e-06	0.0
22	24	2.16e-03	-7.37e-03	-2.54	5.12e-06	1.38e-06	0.0
22	43	5.64e-03	1.28e-03	-2.54	-1.29e-06	4.16e-06	0.0
22	50	-5.75e-03	-9.81e-04	-2.54	1.30e-06	-4.48e-06	0.0
22	56	1.83e-03	-6.25e-03	-2.54	4.33e-06	1.14e-06	0.0
22	67	-1.76e-05	-6.40e-06	-2.54	0.0	0.0	0.0
23	1	-2.24e-05	0.0	-3.30	0.0	0.0	0.0
23	4	6.55e-03	-1.51e-03	-2.54	1.49e-06	4.96e-06	0.0
23	6	-6.58e-03	-2.80e-03	-2.54	1.49e-06	-5.27e-06	0.0
23	25	-1.99e-03	7.36e-03	-2.54	-5.17e-06	-1.69e-06	0.0
23	36	5.55e-03	-1.28e-03	-2.54	1.25e-06	4.16e-06	0.0
23	38	-5.58e-03	-2.36e-03	-2.54	1.25e-06	-4.48e-06	0.0
23	57	-1.69e-03	6.24e-03	-2.54	-4.37e-06	-1.45e-06	0.0
23	67	-1.73e-05	0.0	-2.54	0.0	0.0	0.0
24	1	-2.28e-05	8.33e-06	-3.30	0.0	0.0	0.0
24	4	6.65e-03	-1.50e-03	-2.54	1.43e-06	4.96e-06	0.0
24	6	-6.78e-03	-2.79e-03	-2.54	1.43e-06	-5.28e-06	0.0
24	25	-1.78e-03	7.37e-03	-2.54	-5.22e-06	-1.69e-06	0.0
24	36	5.64e-03	-1.28e-03	-2.54	1.20e-06	4.16e-06	0.0
24	38	-5.75e-03	-2.36e-03	-2.54	1.19e-06	-4.48e-06	0.0
24	57	-1.51e-03	6.25e-03	-2.54	-4.42e-06	-1.46e-06	0.0
24	67	-1.75e-05	6.41e-06	-2.54	0.0	0.0	0.0
25	1	-2.25e-05	1.59e-05	-3.30	0.0	0.0	0.0
25	4	6.75e-03	-1.49e-03	-2.54	1.39e-06	4.96e-06	0.0
25	9	-6.98e-03	1.16e-03	-2.54	-1.69e-06	-5.27e-06	0.0
25	25	-1.57e-03	7.37e-03	-2.54	-5.27e-06	-1.69e-06	0.0
25	36	5.72e-03	-1.27e-03	-2.54	1.15e-06	4.17e-06	0.0
25	41	-5.92e-03	9.89e-04	-2.54	-1.45e-06	-4.48e-06	0.0

25	57	-1.34e-03	6.25e-03	-2.54	-4.47e-06	-1.45e-06	0.0
25	67	-1.73e-05	1.22e-05	-2.54	0.0	0.0	0.0
26	1	-2.14e-05	2.00e-05	-3.30	0.0	0.0	0.0
26	4	6.85e-03	-1.49e-03	-2.54	1.36e-06	4.97e-06	0.0
26	9	-7.18e-03	1.16e-03	-2.54	-1.71e-06	-5.26e-06	0.0
26	25	-1.37e-03	7.38e-03	-2.54	-5.29e-06	-1.69e-06	0.0
26	36	5.81e-03	-1.27e-03	-2.54	1.12e-06	4.17e-06	0.0
26	41	-6.09e-03	9.92e-04	-2.54	-1.47e-06	-4.47e-06	0.0
26	57	-1.17e-03	6.26e-03	-2.54	-4.50e-06	-1.45e-06	0.0
26	67	-1.64e-05	1.54e-05	-2.54	0.0	0.0	0.0
27	1	-2.00e-05	2.14e-05	-3.30	0.0	0.0	0.0
27	9	-7.38e-03	1.37e-03	-2.54	-1.72e-06	-5.26e-06	0.0
27	20	1.49e-03	-6.86e-03	-2.54	4.93e-06	1.40e-06	0.0
27	25	-1.16e-03	7.18e-03	-2.54	-5.30e-06	-1.68e-06	0.0
27	41	-6.26e-03	1.17e-03	-2.54	-1.48e-06	-4.46e-06	0.0
27	52	1.27e-03	-5.81e-03	-2.54	4.14e-06	1.16e-06	0.0
27	57	-9.91e-04	6.09e-03	-2.54	-4.51e-06	-1.44e-06	0.0
27	67	-1.54e-05	1.65e-05	-2.54	0.0	0.0	0.0
28	1	-1.59e-05	2.25e-05	-3.30	0.0	0.0	0.0
28	9	-7.37e-03	1.57e-03	-2.54	-1.73e-06	-5.23e-06	0.0
28	20	1.49e-03	-6.75e-03	-2.54	4.92e-06	1.42e-06	0.0
28	25	-1.16e-03	6.98e-03	-2.54	-5.31e-06	-1.65e-06	0.0
28	41	-6.25e-03	1.34e-03	-2.54	-1.49e-06	-4.44e-06	0.0
28	52	1.27e-03	-5.72e-03	-2.54	4.13e-06	1.18e-06	0.0
28	57	-9.88e-04	5.92e-03	-2.54	-4.52e-06	-1.41e-06	0.0
28	67	-1.22e-05	1.73e-05	-2.54	0.0	0.0	0.0
29	1	-8.34e-06	2.28e-05	-3.30	0.0	0.0	0.0
29	9	-7.37e-03	1.78e-03	-2.54	-1.73e-06	-5.18e-06	0.0
29	20	1.50e-03	-6.65e-03	-2.54	4.92e-06	1.47e-06	0.0
29	25	-1.15e-03	6.78e-03	-2.54	-5.31e-06	-1.60e-06	0.0
29	41	-6.25e-03	1.51e-03	-2.54	-1.49e-06	-4.39e-06	0.0
29	52	1.28e-03	-5.64e-03	-2.54	4.13e-06	1.23e-06	0.0
29	57	-9.82e-04	5.75e-03	-2.54	-4.52e-06	-1.36e-06	0.0
29	67	-6.41e-06	1.76e-05	-2.54	0.0	0.0	0.0
30	1	0.0	2.24e-05	-3.30	0.0	0.0	0.0
30	9	-7.36e-03	1.99e-03	-2.54	-1.73e-06	-5.13e-06	0.0
30	19	2.80e-03	6.58e-03	-2.54	-5.31e-06	1.52e-06	0.0
30	24	1.14e-03	-6.55e-03	-2.54	4.92e-06	1.52e-06	0.0
30	41	-6.24e-03	1.69e-03	-2.54	-1.49e-06	-4.34e-06	0.0
30	51	2.36e-03	5.58e-03	-2.54	-4.51e-06	1.28e-06	0.0
30	56	9.75e-04	-5.55e-03	-2.54	4.13e-06	1.28e-06	0.0
30	67	0.0	1.73e-05	-2.54	0.0	0.0	0.0
31	1	8.30e-06	2.28e-05	-3.30	0.0	0.0	0.0
31	8	7.37e-03	-2.16e-03	-2.54	1.34e-06	5.16e-06	0.0
31	30	-1.50e-03	-6.65e-03	-2.54	4.92e-06	-1.49e-06	0.0
31	31	1.15e-03	6.78e-03	-2.54	-5.31e-06	1.57e-06	0.0
31	40	6.25e-03	-1.83e-03	-2.54	1.10e-06	4.36e-06	0.0
31	62	-1.28e-03	-5.64e-03	-2.54	4.13e-06	-1.26e-06	0.0
31	63	9.81e-04	5.75e-03	-2.54	-4.52e-06	1.34e-06	0.0
31	67	6.39e-06	1.76e-05	-2.54	0.0	0.0	0.0
32	1	1.58e-05	2.25e-05	-3.30	0.0	0.0	0.0
32	8	7.37e-03	-2.36e-03	-2.54	1.34e-06	5.20e-06	0.0
32	30	-1.49e-03	-6.75e-03	-2.54	4.92e-06	-1.45e-06	0.0
32	31	1.16e-03	6.98e-03	-2.54	-5.31e-06	1.62e-06	0.0
32	40	6.25e-03	-2.00e-03	-2.54	1.11e-06	4.41e-06	0.0
32	62	-1.27e-03	-5.72e-03	-2.54	4.13e-06	-1.21e-06	0.0
32	63	9.87e-04	5.92e-03	-2.54	-4.51e-06	1.39e-06	0.0
32	67	1.22e-05	1.73e-05	-2.54	0.0	0.0	0.0
33	1	2.00e-05	2.15e-05	-3.30	0.0	0.0	0.0
33	8	7.38e-03	-2.57e-03	-2.54	1.35e-06	5.23e-06	0.0
33	30	-1.49e-03	-6.86e-03	-2.54	4.93e-06	-1.42e-06	0.0
33	31	1.16e-03	7.18e-03	-2.54	-5.30e-06	1.65e-06	0.0
33	40	6.26e-03	-2.17e-03	-2.54	1.11e-06	4.44e-06	0.0
33	62	-1.27e-03	-5.81e-03	-2.54	4.14e-06	-1.18e-06	0.0
33	63	9.90e-04	6.09e-03	-2.54	-4.51e-06	1.41e-06	0.0
33	67	1.54e-05	1.65e-05	-2.54	0.0	0.0	0.0
34	1	2.14e-05	2.02e-05	-3.30	0.0	0.0	0.0
34	8	7.18e-03	-2.78e-03	-2.54	1.36e-06	5.24e-06	0.0
34	10	-6.85e-03	-1.49e-03	-2.54	1.36e-06	-4.99e-06	0.0
34	31	1.37e-03	7.38e-03	-2.54	-5.29e-06	1.66e-06	0.0
34	40	6.09e-03	-2.35e-03	-2.54	1.12e-06	4.45e-06	0.0
34	42	-5.81e-03	-1.27e-03	-2.54	1.12e-06	-4.20e-06	0.0
34	63	1.16e-03	6.26e-03	-2.54	-4.50e-06	1.42e-06	0.0
34	67	1.65e-05	1.55e-05	-2.54	0.0	0.0	0.0
35	1	2.26e-05	1.61e-05	-3.30	0.0	0.0	0.0
35	8	6.98e-03	-2.78e-03	-2.54	1.38e-06	5.25e-06	0.0

35	10	-6.75e-03	-1.49e-03	-2.54	1.39e-06	-4.98e-06	0.0
35	31	1.57e-03	7.38e-03	-2.54	-5.27e-06	1.66e-06	0.0
35	40	5.92e-03	-2.35e-03	-2.54	1.15e-06	4.45e-06	0.0
35	42	-5.72e-03	-1.27e-03	-2.54	1.15e-06	-4.19e-06	0.0
35	63	1.34e-03	6.26e-03	-2.54	-4.47e-06	1.43e-06	0.0
35	67	1.73e-05	1.24e-05	-2.54	0.0	0.0	0.0
36	1	2.29e-05	8.45e-06	-3.30	0.0	0.0	0.0
36	8	6.78e-03	-2.79e-03	-2.54	1.43e-06	5.25e-06	0.0
36	10	-6.65e-03	-1.50e-03	-2.54	1.43e-06	-4.98e-06	0.0
36	31	1.78e-03	7.37e-03	-2.54	-5.22e-06	1.67e-06	0.0
36	40	5.75e-03	-2.36e-03	-2.54	1.20e-06	4.46e-06	0.0
36	42	-5.64e-03	-1.28e-03	-2.54	1.19e-06	-4.19e-06	0.0
36	63	1.51e-03	6.25e-03	-2.54	-4.42e-06	1.43e-06	0.0
36	67	1.76e-05	6.50e-06	-2.54	0.0	0.0	0.0
37	1	2.25e-05	0.0	-3.30	0.0	0.0	0.0
37	4	6.58e-03	-2.43e-03	-2.54	1.49e-06	5.25e-06	0.0
37	5	-6.55e-03	2.43e-03	-2.54	-1.58e-06	-4.98e-06	0.0
37	31	1.99e-03	7.36e-03	-2.54	-5.17e-06	1.67e-06	0.0
37	36	5.58e-03	-2.06e-03	-2.54	1.25e-06	4.45e-06	0.0
37	37	-5.55e-03	2.06e-03	-2.54	-1.35e-06	-4.19e-06	0.0
37	63	1.69e-03	6.24e-03	-2.54	-4.37e-06	1.43e-06	0.0
37	67	1.73e-05	0.0	-2.54	0.0	0.0	0.0
38	1	2.29e-05	-8.33e-06	-3.30	0.0	0.0	0.0
38	15	6.78e-03	2.79e-03	-2.54	-1.53e-06	5.25e-06	0.0
38	17	-6.65e-03	1.50e-03	-2.54	-1.53e-06	-4.98e-06	0.0
38	34	-2.16e-03	-7.37e-03	-2.54	5.12e-06	-1.40e-06	0.0
38	47	5.75e-03	2.36e-03	-2.54	-1.29e-06	4.46e-06	0.0
38	49	-5.64e-03	1.28e-03	-2.54	-1.29e-06	-4.19e-06	0.0
38	66	-1.83e-03	-6.25e-03	-2.54	4.33e-06	-1.16e-06	0.0
38	67	1.76e-05	-6.41e-06	-2.54	0.0	0.0	0.0
39	1	2.25e-05	-1.59e-05	-3.30	0.0	0.0	0.0
39	15	6.98e-03	2.79e-03	-2.54	-1.48e-06	5.25e-06	0.0
39	17	-6.75e-03	1.49e-03	-2.54	-1.48e-06	-4.99e-06	0.0
39	34	-2.37e-03	-7.38e-03	-2.54	5.17e-06	-1.40e-06	0.0
39	47	5.92e-03	2.35e-03	-2.54	-1.24e-06	4.45e-06	0.0
39	49	-5.72e-03	1.27e-03	-2.54	-1.24e-06	-4.19e-06	0.0
39	66	-2.00e-03	-6.26e-03	-2.54	4.37e-06	-1.16e-06	0.0
39	67	1.73e-05	-1.22e-05	-2.54	0.0	0.0	0.0
40	1	2.14e-05	-2.00e-05	-3.30	0.0	0.0	0.0
40	15	7.18e-03	2.78e-03	-2.54	-1.45e-06	5.24e-06	0.0
40	17	-6.86e-03	1.49e-03	-2.54	-1.46e-06	-4.99e-06	0.0
40	34	-2.57e-03	-7.38e-03	-2.54	5.19e-06	-1.41e-06	0.0
40	47	6.09e-03	2.35e-03	-2.54	-1.21e-06	4.45e-06	0.0
40	49	-5.81e-03	1.27e-03	-2.54	-1.22e-06	-4.20e-06	0.0
40	66	-2.18e-03	-6.26e-03	-2.54	4.40e-06	-1.17e-06	0.0
40	67	1.65e-05	-1.54e-05	-2.54	0.0	0.0	0.0
41	1	-4.70e-06	-8.51e-06	-3.30	0.0	0.0	0.0
41	13	-6.78e-03	2.11e-03	-2.54	-1.53e-06	-5.16e-06	0.0
41	23	1.84e-03	6.63e-03	-2.54	-5.11e-06	1.49e-06	0.0
41	24	2.19e-03	-6.71e-03	-2.54	5.13e-06	1.49e-06	0.0
41	45	-5.75e-03	1.79e-03	-2.54	-1.29e-06	-4.37e-06	0.0
41	55	1.56e-03	5.62e-03	-2.54	-4.32e-06	1.25e-06	0.0
41	56	1.85e-03	-5.69e-03	-2.54	4.33e-06	1.26e-06	0.0
41	67	-3.61e-06	-6.55e-06	-2.54	0.0	0.0	0.0
42	1	8.17e-06	5.13e-06	-3.30	0.0	0.0	0.0
42	8	6.72e-03	-2.18e-03	-2.54	1.46e-06	5.16e-06	0.0
42	10	-6.64e-03	-1.84e-03	-2.54	1.45e-06	-5.08e-06	0.0
42	31	1.82e-03	6.77e-03	-2.54	-5.20e-06	1.57e-06	0.0
42	40	5.70e-03	-1.85e-03	-2.54	1.22e-06	4.37e-06	0.0
42	42	-5.63e-03	-1.57e-03	-2.54	1.21e-06	-4.29e-06	0.0
42	63	1.54e-03	5.75e-03	-2.54	-4.41e-06	1.34e-06	0.0
42	67	6.28e-06	3.95e-06	-2.54	0.0	0.0	0.0
43	1	6.16e-06	-6.24e-06	-3.30	0.0	0.0	0.0
43	15	6.74e-03	2.14e-03	-2.54	-1.55e-06	5.15e-06	0.0
43	33	-1.86e-03	6.65e-03	-2.54	-5.13e-06	-1.51e-06	0.0
43	34	-2.14e-03	-6.74e-03	-2.54	5.11e-06	-1.51e-06	0.0
43	47	5.72e-03	1.81e-03	-2.54	-1.31e-06	4.35e-06	0.0
43	65	-1.58e-03	5.64e-03	-2.54	-4.33e-06	-1.27e-06	0.0
43	66	-1.82e-03	-5.72e-03	-2.54	4.32e-06	-1.27e-06	0.0
43	67	4.74e-06	-4.80e-06	-2.54	0.0	0.0	0.0
44	1	0.0	0.0	-3.30	0.0	0.0	0.0
44	9	-6.55e-03	1.98e-03	-2.54	-1.58e-06	-5.13e-06	0.0
44	15	6.57e-03	1.98e-03	-2.54	-1.58e-06	5.11e-06	0.0
44	34	-1.98e-03	-6.57e-03	-2.54	5.07e-06	-1.54e-06	0.0
44	41	-5.56e-03	1.68e-03	-2.54	-1.34e-06	-4.33e-06	0.0
44	47	5.57e-03	1.68e-03	-2.54	-1.34e-06	4.31e-06	0.0

44	66	-1.68e-03	-5.58e-03	-2.54	4.28e-06	-1.31e-06	0.0
44	67	0.0	0.0	-2.54	0.0	0.0	0.0
45	1	-2.05e-05	2.05e-05	-3.30	0.0	0.0	0.0
45	4	6.85e-03	-1.61e-03	-2.54	1.36e-06	4.97e-06	0.0
45	9	-7.16e-03	1.38e-03	-2.54	-1.72e-06	-5.26e-06	0.0
45	25	-1.38e-03	7.16e-03	-2.54	-5.30e-06	-1.68e-06	0.0
45	36	5.81e-03	-1.37e-03	-2.54	1.12e-06	4.18e-06	0.0
45	41	-6.07e-03	1.18e-03	-2.54	-1.48e-06	-4.47e-06	0.0
45	57	-1.18e-03	6.08e-03	-2.54	-4.50e-06	-1.44e-06	0.0
45	67	-1.57e-05	1.58e-05	-2.54	0.0	0.0	0.0
46	1	-2.23e-05	1.55e-05	-3.30	0.0	0.0	0.0
46	4	6.74e-03	-1.64e-03	-2.54	1.39e-06	4.96e-06	0.0
46	6	-6.95e-03	-2.53e-03	-2.54	1.39e-06	-5.27e-06	0.0
46	25	-1.60e-03	7.13e-03	-2.54	-5.27e-06	-1.69e-06	0.0
46	36	5.71e-03	-1.39e-03	-2.54	1.15e-06	4.17e-06	0.0
46	38	-5.89e-03	-2.14e-03	-2.54	1.15e-06	-4.48e-06	0.0
46	57	-1.37e-03	6.05e-03	-2.54	-4.47e-06	-1.45e-06	0.0
46	67	-1.71e-05	1.19e-05	-2.54	0.0	0.0	0.0
47	1	-1.57e-05	2.23e-05	-3.30	0.0	0.0	0.0
47	9	-7.14e-03	1.60e-03	-2.54	-1.73e-06	-5.23e-06	0.0
47	20	1.63e-03	-6.74e-03	-2.54	4.93e-06	1.42e-06	0.0
47	25	-1.40e-03	6.96e-03	-2.54	-5.31e-06	-1.65e-06	0.0
47	41	-6.05e-03	1.36e-03	-2.54	-1.49e-06	-4.44e-06	0.0
47	52	1.39e-03	-5.71e-03	-2.54	4.13e-06	1.19e-06	0.0
47	57	-1.19e-03	5.90e-03	-2.54	-4.51e-06	-1.41e-06	0.0
47	67	-1.21e-05	1.71e-05	-2.54	0.0	0.0	0.0
48	1	-2.34e-05	9.01e-06	-3.30	0.0	0.0	0.0
48	4	6.65e-03	-1.62e-03	-2.54	1.43e-06	4.96e-06	0.0
48	9	-6.78e-03	1.36e-03	-2.54	-1.64e-06	-5.28e-06	0.0
48	25	-1.78e-03	7.17e-03	-2.54	-5.22e-06	-1.70e-06	0.0
48	36	5.64e-03	-1.37e-03	-2.54	1.20e-06	4.16e-06	0.0
48	41	-5.75e-03	1.16e-03	-2.54	-1.40e-06	-4.49e-06	0.0
48	57	-1.51e-03	6.08e-03	-2.54	-4.43e-06	-1.46e-06	0.0
48	67	-1.80e-05	6.93e-06	-2.54	0.0	0.0	0.0
49	1	-9.02e-06	2.35e-05	-3.30	0.0	0.0	0.0
49	9	-7.18e-03	1.78e-03	-2.54	-1.74e-06	-5.19e-06	0.0
49	20	1.61e-03	-6.65e-03	-2.54	4.92e-06	1.47e-06	0.0
49	25	-1.34e-03	6.78e-03	-2.54	-5.32e-06	-1.61e-06	0.0
49	41	-6.09e-03	1.52e-03	-2.54	-1.50e-06	-4.39e-06	0.0
49	52	1.37e-03	-5.64e-03	-2.54	4.13e-06	1.23e-06	0.0
49	57	-1.14e-03	5.75e-03	-2.54	-4.52e-06	-1.37e-06	0.0
49	67	-6.94e-06	1.81e-05	-2.54	0.0	0.0	0.0
50	1	-2.26e-05	0.0	-3.30	0.0	0.0	0.0
50	6	-6.59e-03	-2.58e-03	-2.54	1.48e-06	-5.28e-06	0.0
50	8	6.55e-03	-1.35e-03	-2.54	1.49e-06	4.96e-06	0.0
50	25	-1.98e-03	7.16e-03	-2.54	-5.17e-06	-1.69e-06	0.0
50	38	-5.59e-03	-2.19e-03	-2.54	1.25e-06	-4.48e-06	0.0
50	40	5.56e-03	-1.15e-03	-2.54	1.25e-06	4.16e-06	0.0
50	57	-1.68e-03	6.07e-03	-2.54	-4.37e-06	-1.46e-06	0.0
50	67	-1.74e-05	0.0	-2.54	0.0	0.0	0.0
51	1	0.0	2.27e-05	-3.30	0.0	0.0	0.0
51	9	-7.16e-03	1.98e-03	-2.54	-1.73e-06	-5.13e-06	0.0
51	19	2.59e-03	6.59e-03	-2.54	-5.31e-06	1.52e-06	0.0
51	24	1.35e-03	-6.55e-03	-2.54	4.92e-06	1.52e-06	0.0
51	41	-6.07e-03	1.68e-03	-2.54	-1.49e-06	-4.34e-06	0.0
51	51	2.19e-03	5.59e-03	-2.54	-4.52e-06	1.28e-06	0.0
51	56	1.15e-03	-5.55e-03	-2.54	4.13e-06	1.28e-06	0.0
51	67	0.0	1.75e-05	-2.54	0.0	0.0	0.0
52	1	-2.34e-05	-8.58e-06	-3.30	0.0	0.0	0.0
52	11	6.64e-03	1.62e-03	-2.54	-1.53e-06	4.96e-06	0.0
52	18	-6.77e-03	-1.37e-03	-2.54	1.54e-06	-5.28e-06	0.0
52	24	2.15e-03	-7.16e-03	-2.54	5.12e-06	1.37e-06	0.0
52	43	5.63e-03	1.38e-03	-2.54	-1.29e-06	4.16e-06	0.0
52	50	-5.75e-03	-1.17e-03	-2.54	1.30e-06	-4.49e-06	0.0
52	56	1.82e-03	-6.07e-03	-2.54	4.33e-06	1.13e-06	0.0
52	67	-1.80e-05	-6.60e-06	-2.54	0.0	0.0	0.0
53	1	8.37e-06	2.34e-05	-3.30	0.0	0.0	0.0
53	3	7.15e-03	1.79e-03	-2.54	-1.73e-06	5.16e-06	0.0
53	30	-1.62e-03	-6.64e-03	-2.54	4.92e-06	-1.50e-06	0.0
53	31	1.37e-03	6.77e-03	-2.54	-5.32e-06	1.58e-06	0.0
53	35	6.07e-03	1.52e-03	-2.54	-1.50e-06	4.36e-06	0.0
53	62	-1.38e-03	-5.63e-03	-2.54	4.13e-06	-1.26e-06	0.0
53	63	1.17e-03	5.74e-03	-2.54	-4.52e-06	1.34e-06	0.0
53	67	6.44e-06	1.80e-05	-2.54	0.0	0.0	0.0
54	1	-2.24e-05	-1.51e-05	-3.30	0.0	0.0	0.0
54	11	6.73e-03	1.63e-03	-2.54	-1.49e-06	4.96e-06	0.0

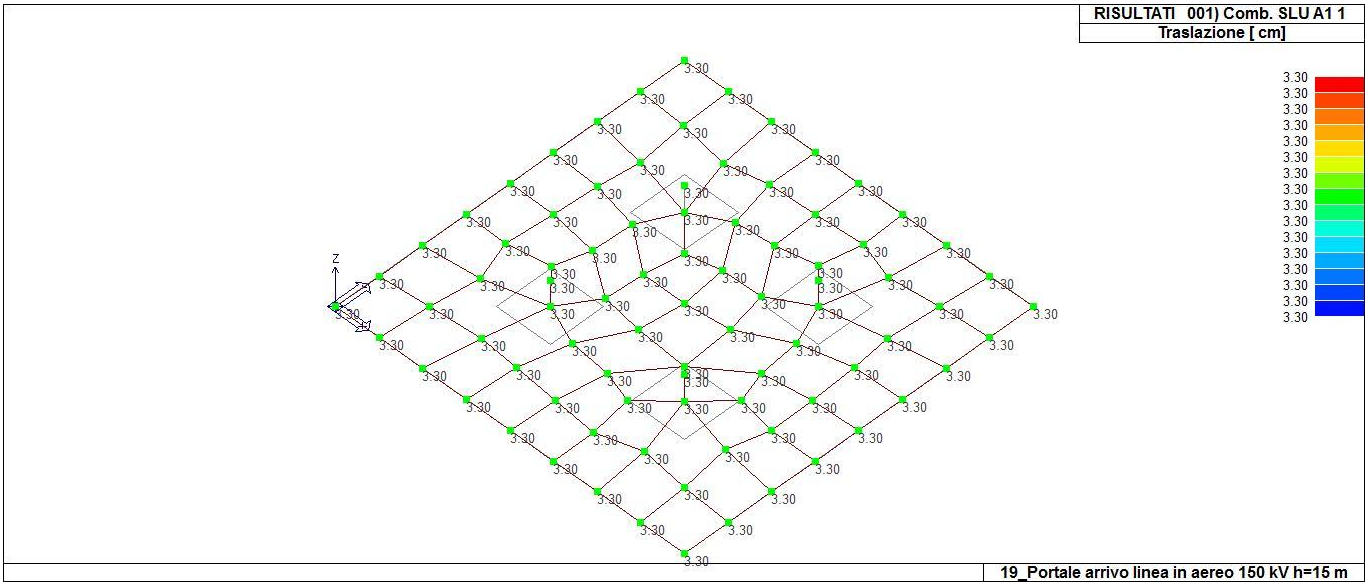
54	18	-6.94e-03	-1.39e-03	-2.54	1.58e-06	-5.27e-06	0.0
54	24	2.33e-03	-7.14e-03	-2.54	5.17e-06	1.38e-06	0.0
54	43	5.71e-03	1.38e-03	-2.54	-1.25e-06	4.17e-06	0.0
54	50	-5.89e-03	-1.19e-03	-2.54	1.35e-06	-4.48e-06	0.0
54	56	1.97e-03	-6.06e-03	-2.54	4.37e-06	1.14e-06	0.0
54	67	-1.73e-05	-1.16e-05	-2.54	0.0	0.0	0.0
55	1	1.51e-05	2.24e-05	-3.30	0.0	0.0	0.0
55	8	7.14e-03	-2.33e-03	-2.54	1.34e-06	5.20e-06	0.0
55	30	-1.63e-03	-6.73e-03	-2.54	4.92e-06	-1.45e-06	0.0
55	31	1.39e-03	6.94e-03	-2.54	-5.31e-06	1.62e-06	0.0
55	40	6.06e-03	-1.97e-03	-2.54	1.11e-06	4.41e-06	0.0
55	62	-1.38e-03	-5.71e-03	-2.54	4.13e-06	-1.21e-06	0.0
55	63	1.19e-03	5.89e-03	-2.54	-4.52e-06	1.38e-06	0.0
55	67	1.16e-05	1.72e-05	-2.54	0.0	0.0	0.0
56	1	-2.06e-05	-2.05e-05	-3.30	0.0	0.0	0.0
56	18	-7.16e-03	-1.38e-03	-2.54	1.62e-06	-5.26e-06	0.0
56	23	1.61e-03	6.85e-03	-2.54	-5.03e-06	1.39e-06	0.0
56	24	2.56e-03	-7.16e-03	-2.54	5.20e-06	1.39e-06	0.0
56	50	-6.08e-03	-1.18e-03	-2.54	1.38e-06	-4.47e-06	0.0
56	55	1.37e-03	5.81e-03	-2.54	-4.24e-06	1.15e-06	0.0
56	56	2.16e-03	-6.08e-03	-2.54	4.41e-06	1.15e-06	0.0
56	67	-1.59e-05	-1.58e-05	-2.54	0.0	0.0	0.0
57	1	2.05e-05	2.06e-05	-3.30	0.0	0.0	0.0
57	8	7.16e-03	-2.56e-03	-2.54	1.36e-06	5.24e-06	0.0
57	10	-6.85e-03	-1.61e-03	-2.54	1.35e-06	-5.00e-06	0.0
57	31	1.38e-03	7.16e-03	-2.54	-5.30e-06	1.65e-06	0.0
57	40	6.07e-03	-2.16e-03	-2.54	1.12e-06	4.44e-06	0.0
57	42	-5.81e-03	-1.37e-03	-2.54	1.12e-06	-4.20e-06	0.0
57	63	1.18e-03	6.08e-03	-2.54	-4.50e-06	1.41e-06	0.0
57	67	1.58e-05	1.59e-05	-2.54	0.0	0.0	0.0
58	1	-1.56e-05	-2.24e-05	-3.30	0.0	0.0	0.0
58	18	-7.14e-03	-1.60e-03	-2.54	1.63e-06	-5.23e-06	0.0
58	23	1.63e-03	6.74e-03	-2.54	-5.02e-06	1.42e-06	0.0
58	24	2.54e-03	-6.95e-03	-2.54	5.21e-06	1.42e-06	0.0
58	50	-6.05e-03	-1.36e-03	-2.54	1.39e-06	-4.44e-06	0.0
58	55	1.39e-03	5.71e-03	-2.54	-4.23e-06	1.18e-06	0.0
58	56	2.15e-03	-5.90e-03	-2.54	4.42e-06	1.19e-06	0.0
58	67	-1.20e-05	-1.72e-05	-2.54	0.0	0.0	0.0
59	1	2.24e-05	1.56e-05	-3.30	0.0	0.0	0.0
59	8	6.95e-03	-2.54e-03	-2.54	1.39e-06	5.25e-06	0.0
59	10	-6.74e-03	-1.63e-03	-2.54	1.39e-06	-4.99e-06	0.0
59	31	1.60e-03	7.14e-03	-2.54	-5.27e-06	1.66e-06	0.0
59	40	5.90e-03	-2.14e-03	-2.54	1.15e-06	4.45e-06	0.0
59	42	-5.71e-03	-1.39e-03	-2.54	1.15e-06	-4.19e-06	0.0
59	63	1.36e-03	6.05e-03	-2.54	-4.47e-06	1.43e-06	0.0
59	67	1.72e-05	1.20e-05	-2.54	0.0	0.0	0.0
60	1	-9.48e-06	-2.36e-05	-3.30	0.0	0.0	0.0
60	18	-7.19e-03	-1.77e-03	-2.54	1.64e-06	-5.19e-06	0.0
60	23	1.61e-03	6.65e-03	-2.54	-5.02e-06	1.47e-06	0.0
60	24	2.60e-03	-6.79e-03	-2.54	5.22e-06	1.46e-06	0.0
60	50	-6.09e-03	-1.51e-03	-2.54	1.40e-06	-4.40e-06	0.0
60	55	1.37e-03	5.64e-03	-2.54	-4.22e-06	1.23e-06	0.0
60	56	2.20e-03	-5.76e-03	-2.54	4.43e-06	1.22e-06	0.0
60	67	-7.29e-06	-1.82e-05	-2.54	0.0	0.0	0.0
61	1	2.36e-05	9.35e-06	-3.30	0.0	0.0	0.0
61	8	6.78e-03	-2.60e-03	-2.54	1.43e-06	5.26e-06	0.0
61	10	-6.65e-03	-1.61e-03	-2.54	1.43e-06	-4.98e-06	0.0
61	31	1.78e-03	7.19e-03	-2.54	-5.23e-06	1.67e-06	0.0
61	40	5.76e-03	-2.20e-03	-2.54	1.19e-06	4.46e-06	0.0
61	42	-5.64e-03	-1.36e-03	-2.54	1.19e-06	-4.18e-06	0.0
61	63	1.51e-03	6.10e-03	-2.54	-4.43e-06	1.43e-06	0.0
61	67	1.82e-05	7.20e-06	-2.54	0.0	0.0	0.0
62	1	0.0	-2.28e-05	-3.30	0.0	0.0	0.0
62	18	-7.16e-03	-1.99e-03	-2.54	1.63e-06	-5.13e-06	0.0
62	20	2.32e-03	-6.58e-03	-2.54	5.22e-06	1.52e-06	0.0
62	21	-2.32e-03	6.55e-03	-2.54	-5.02e-06	-1.55e-06	0.0
62	50	-6.07e-03	-1.69e-03	-2.54	1.39e-06	-4.34e-06	0.0
62	52	1.96e-03	-5.58e-03	-2.54	4.42e-06	1.28e-06	0.0
62	53	-1.96e-03	5.55e-03	-2.54	-4.23e-06	-1.31e-06	0.0
62	67	0.0	-1.75e-05	-2.54	0.0	0.0	0.0
63	1	2.28e-05	0.0	-3.30	0.0	0.0	0.0
63	3	6.58e-03	1.35e-03	-2.54	-1.58e-06	5.25e-06	0.0
63	6	-6.55e-03	-1.35e-03	-2.54	1.49e-06	-4.98e-06	0.0
63	31	1.98e-03	7.16e-03	-2.54	-5.17e-06	1.67e-06	0.0
63	35	5.58e-03	1.15e-03	-2.54	-1.35e-06	4.46e-06	0.0
63	38	-5.55e-03	-1.15e-03	-2.54	1.25e-06	-4.19e-06	0.0

63	63	1.69e-03	6.07e-03	-2.54	-4.37e-06	1.43e-06	0.0
63	67	1.76e-05	0.0	-2.54	0.0	0.0	0.0
64	1	9.03e-06	-2.34e-05	-3.30	0.0	0.0	0.0
64	12	7.16e-03	-1.78e-03	-2.54	1.64e-06	5.16e-06	0.0
64	33	-1.62e-03	6.65e-03	-2.54	-5.02e-06	-1.49e-06	0.0
64	34	-2.58e-03	-6.78e-03	-2.54	5.22e-06	-1.49e-06	0.0
64	44	6.08e-03	-1.51e-03	-2.54	1.40e-06	4.37e-06	0.0
64	65	-1.38e-03	5.64e-03	-2.54	-4.22e-06	-1.26e-06	0.0
64	66	-2.18e-03	-5.76e-03	-2.54	4.42e-06	-1.25e-06	0.0
64	67	6.95e-06	-1.80e-05	-2.54	0.0	0.0	0.0
65	1	2.34e-05	-8.54e-06	-3.30	0.0	0.0	0.0
65	15	6.77e-03	2.57e-03	-2.54	-1.53e-06	5.25e-06	0.0
65	17	-6.64e-03	1.62e-03	-2.54	-1.53e-06	-4.98e-06	0.0
65	34	-2.15e-03	-7.16e-03	-2.54	5.12e-06	-1.40e-06	0.0
65	44	5.75e-03	-1.16e-03	-2.54	1.30e-06	4.46e-06	0.0
65	49	-5.63e-03	1.38e-03	-2.54	-1.29e-06	-4.19e-06	0.0
65	66	-1.82e-03	-6.07e-03	-2.54	4.33e-06	-1.16e-06	0.0
65	67	1.80e-05	-6.57e-06	-2.54	0.0	0.0	0.0
66	1	1.57e-05	-2.22e-05	-3.30	0.0	0.0	0.0
66	15	7.13e-03	2.34e-03	-2.54	-1.44e-06	5.21e-06	0.0
66	33	-1.63e-03	6.74e-03	-2.54	-5.02e-06	-1.45e-06	0.0
66	34	-2.53e-03	-6.96e-03	-2.54	5.21e-06	-1.45e-06	0.0
66	47	6.05e-03	1.98e-03	-2.54	-1.20e-06	4.41e-06	0.0
66	65	-1.39e-03	5.71e-03	-2.54	-4.23e-06	-1.21e-06	0.0
66	66	-2.14e-03	-5.90e-03	-2.54	4.42e-06	-1.21e-06	0.0
66	67	1.21e-05	-1.71e-05	-2.54	0.0	0.0	0.0
67	1	2.24e-05	-1.52e-05	-3.30	0.0	0.0	0.0
67	15	6.95e-03	2.55e-03	-2.54	-1.49e-06	5.25e-06	0.0
67	17	-6.73e-03	1.63e-03	-2.54	-1.49e-06	-4.99e-06	0.0
67	34	-2.33e-03	-7.14e-03	-2.54	5.17e-06	-1.40e-06	0.0
67	47	5.89e-03	2.15e-03	-2.54	-1.25e-06	4.45e-06	0.0
67	49	-5.71e-03	1.38e-03	-2.54	-1.25e-06	-4.19e-06	0.0
67	66	-1.97e-03	-6.06e-03	-2.54	4.37e-06	-1.17e-06	0.0
67	67	1.72e-05	-1.17e-05	-2.54	0.0	0.0	0.0
68	1	2.06e-05	-2.05e-05	-3.30	0.0	0.0	0.0
68	15	7.17e-03	2.56e-03	-2.54	-1.45e-06	5.24e-06	0.0
68	17	-6.85e-03	1.61e-03	-2.54	-1.45e-06	-5.00e-06	0.0
68	34	-2.56e-03	-7.17e-03	-2.54	5.20e-06	-1.41e-06	0.0
68	47	6.08e-03	2.17e-03	-2.54	-1.21e-06	4.44e-06	0.0
68	49	-5.81e-03	1.37e-03	-2.54	-1.21e-06	-4.20e-06	0.0
68	66	-2.16e-03	-6.08e-03	-2.54	4.41e-06	-1.18e-06	0.0
68	67	1.58e-05	-1.57e-05	-2.54	0.0	0.0	0.0
69	1	-1.99e-05	5.92e-06	-3.30	0.0	0.0	0.0
69	4	6.64e-03	-1.71e-03	-2.54	1.45e-06	4.98e-06	0.0
69	9	-6.75e-03	1.53e-03	-2.54	-1.62e-06	-5.26e-06	0.0
69	25	-1.81e-03	7.00e-03	-2.54	-5.21e-06	-1.68e-06	0.0
69	36	5.63e-03	-1.46e-03	-2.54	1.21e-06	4.18e-06	0.0
69	41	-5.73e-03	1.30e-03	-2.54	-1.39e-06	-4.47e-06	0.0
69	57	-1.54e-03	5.94e-03	-2.54	-4.41e-06	-1.44e-06	0.0
69	67	-1.53e-05	4.56e-06	-2.54	0.0	0.0	0.0
70	1	-5.88e-06	1.99e-05	-3.30	0.0	0.0	0.0
70	9	-7.00e-03	1.81e-03	-2.54	-1.71e-06	-5.17e-06	0.0
70	20	1.71e-03	-6.64e-03	-2.54	4.94e-06	1.49e-06	0.0
70	25	-1.53e-03	6.75e-03	-2.54	-5.30e-06	-1.59e-06	0.0
70	41	-5.94e-03	1.54e-03	-2.54	-1.48e-06	-4.38e-06	0.0
70	52	1.46e-03	-5.63e-03	-2.54	4.15e-06	1.25e-06	0.0
70	57	-1.30e-03	5.73e-03	-2.54	-4.50e-06	-1.35e-06	0.0
70	67	-4.52e-06	1.53e-05	-2.54	0.0	0.0	0.0
71	1	-1.72e-05	0.0	-3.30	0.0	0.0	0.0
71	6	-6.62e-03	-2.37e-03	-2.54	1.48e-06	-5.25e-06	0.0
71	8	6.59e-03	-1.56e-03	-2.54	1.48e-06	5.00e-06	0.0
71	25	-1.94e-03	6.96e-03	-2.54	-5.17e-06	-1.66e-06	0.0
71	38	-5.61e-03	-2.01e-03	-2.54	1.24e-06	-4.45e-06	0.0
71	40	5.59e-03	-1.33e-03	-2.54	1.24e-06	4.20e-06	0.0
71	57	-1.65e-03	5.90e-03	-2.54	-4.38e-06	-1.42e-06	0.0
71	67	-1.33e-05	0.0	-2.54	0.0	0.0	0.0
72	1	0.0	1.72e-05	-3.30	0.0	0.0	0.0
72	9	-6.95e-03	1.94e-03	-2.54	-1.70e-06	-5.14e-06	0.0
72	19	2.37e-03	6.62e-03	-2.54	-5.28e-06	1.51e-06	0.0
72	20	1.74e-03	-6.57e-03	-2.54	4.96e-06	1.52e-06	0.0
72	41	-5.90e-03	1.65e-03	-2.54	-1.46e-06	-4.34e-06	0.0
72	51	2.01e-03	5.61e-03	-2.54	-4.49e-06	1.28e-06	0.0
72	52	1.48e-03	-5.57e-03	-2.54	4.17e-06	1.28e-06	0.0
72	67	0.0	1.32e-05	-2.54	0.0	0.0	0.0
73	1	-1.67e-05	-4.11e-06	-3.30	0.0	0.0	0.0
73	11	6.62e-03	1.75e-03	-2.54	-1.56e-06	5.00e-06	0.0

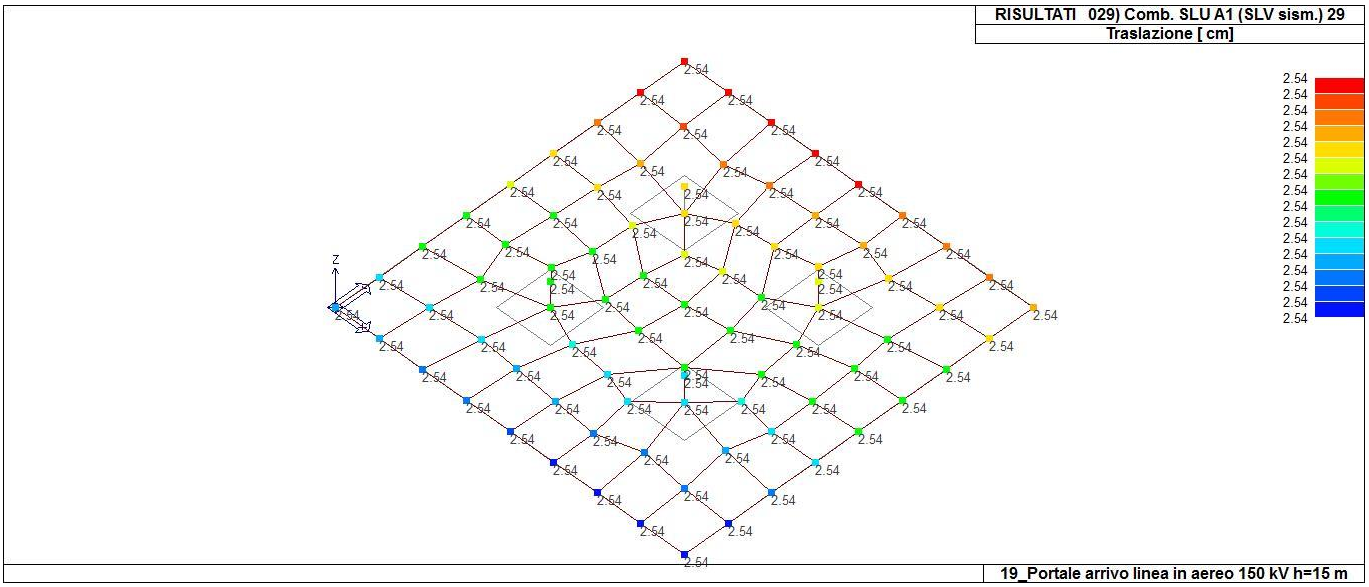
73	18	-6.71e-03	-1.58e-03	-2.54	1.51e-06	-5.24e-06	0.0
73	24	2.10e-03	-6.94e-03	-2.54	5.10e-06	1.42e-06	0.0
73	43	5.61e-03	1.48e-03	-2.54	-1.32e-06	4.20e-06	0.0
73	50	-5.69e-03	-1.35e-03	-2.54	1.28e-06	-4.45e-06	0.0
73	56	1.78e-03	-5.89e-03	-2.54	4.30e-06	1.18e-06	0.0
73	67	-1.29e-05	-3.16e-06	-2.54	0.0	0.0	0.0
74	1	4.20e-06	1.66e-05	-3.30	0.0	0.0	0.0
74	8	6.94e-03	-2.10e-03	-2.54	1.38e-06	5.13e-06	0.0
74	30	-1.75e-03	-6.62e-03	-2.54	4.96e-06	-1.52e-06	0.0
74	31	1.59e-03	6.72e-03	-2.54	-5.28e-06	1.55e-06	0.0
74	40	5.88e-03	-1.78e-03	-2.54	1.14e-06	4.34e-06	0.0
74	62	-1.49e-03	-5.61e-03	-2.54	4.17e-06	-1.28e-06	0.0
74	63	1.35e-03	5.70e-03	-2.54	-4.48e-06	1.31e-06	0.0
74	67	3.23e-06	1.28e-05	-2.54	0.0	0.0	0.0
75	1	-6.10e-06	-2.04e-05	-3.30	0.0	0.0	0.0
75	18	-7.01e-03	-1.81e-03	-2.54	1.62e-06	-5.17e-06	0.0
75	23	1.71e-03	6.64e-03	-2.54	-5.04e-06	1.49e-06	0.0
75	24	2.42e-03	-6.75e-03	-2.54	5.20e-06	1.48e-06	0.0
75	50	-5.95e-03	-1.54e-03	-2.54	1.38e-06	-4.38e-06	0.0
75	55	1.45e-03	5.63e-03	-2.54	-4.24e-06	1.25e-06	0.0
75	56	2.05e-03	-5.73e-03	-2.54	4.41e-06	1.24e-06	0.0
75	67	-4.69e-06	-1.57e-05	-2.54	0.0	0.0	0.0
76	1	2.01e-05	6.13e-06	-3.30	0.0	0.0	0.0
76	3	6.75e-03	1.53e-03	-2.54	-1.62e-06	5.24e-06	0.0
76	10	-6.64e-03	-1.71e-03	-2.54	1.45e-06	-5.00e-06	0.0
76	31	1.80e-03	7.00e-03	-2.54	-5.21e-06	1.65e-06	0.0
76	35	5.73e-03	1.30e-03	-2.54	-1.39e-06	4.44e-06	0.0
76	42	-5.63e-03	-1.46e-03	-2.54	1.21e-06	-4.21e-06	0.0
76	63	1.53e-03	5.94e-03	-2.54	-4.41e-06	1.41e-06	0.0
76	67	1.55e-05	4.72e-06	-2.54	0.0	0.0	0.0
77	1	0.0	-1.79e-05	-3.30	0.0	0.0	0.0
77	18	-6.97e-03	-1.97e-03	-2.54	1.60e-06	-5.13e-06	0.0
77	23	1.73e-03	6.55e-03	-2.54	-5.05e-06	1.52e-06	0.0
77	24	2.39e-03	-6.59e-03	-2.54	5.19e-06	1.52e-06	0.0
77	50	-5.91e-03	-1.68e-03	-2.54	1.36e-06	-4.34e-06	0.0
77	55	1.47e-03	5.56e-03	-2.54	-4.26e-06	1.28e-06	0.0
77	56	2.02e-03	-5.59e-03	-2.54	4.39e-06	1.28e-06	0.0
77	67	0.0	-1.37e-05	-2.54	0.0	0.0	0.0
78	1	1.74e-05	0.0	-3.30	0.0	0.0	0.0
78	8	6.60e-03	-2.38e-03	-2.54	1.48e-06	5.22e-06	0.0
78	10	-6.56e-03	-1.74e-03	-2.54	1.48e-06	-5.02e-06	0.0
78	31	1.95e-03	6.96e-03	-2.54	-5.17e-06	1.63e-06	0.0
78	40	5.60e-03	-2.01e-03	-2.54	1.24e-06	4.43e-06	0.0
78	42	-5.56e-03	-1.48e-03	-2.54	1.25e-06	-4.23e-06	0.0
78	63	1.66e-03	5.90e-03	-2.54	-4.38e-06	1.40e-06	0.0
78	67	1.34e-05	0.0	-2.54	0.0	0.0	0.0
79	1	4.80e-06	-1.77e-05	-3.30	0.0	0.0	0.0
79	12	6.96e-03	-1.82e-03	-2.54	1.60e-06	5.14e-06	0.0
79	33	-1.74e-03	6.63e-03	-2.54	-5.06e-06	-1.52e-06	0.0
79	34	-2.37e-03	-6.73e-03	-2.54	5.19e-06	-1.51e-06	0.0
79	44	5.90e-03	-1.55e-03	-2.54	1.36e-06	4.34e-06	0.0
79	65	-1.48e-03	5.62e-03	-2.54	-4.26e-06	-1.28e-06	0.0
79	66	-2.00e-03	-5.71e-03	-2.54	4.39e-06	-1.28e-06	0.0
79	67	3.69e-06	-1.36e-05	-2.54	0.0	0.0	0.0
80	1	1.74e-05	-4.41e-06	-3.30	0.0	0.0	0.0
80	12	6.72e-03	-1.57e-03	-2.54	1.52e-06	5.22e-06	0.0
80	17	-6.63e-03	1.74e-03	-2.54	-1.56e-06	-5.02e-06	0.0
80	34	-2.11e-03	-6.95e-03	-2.54	5.10e-06	-1.44e-06	0.0
80	44	5.70e-03	-1.34e-03	-2.54	1.28e-06	4.43e-06	0.0
80	49	-5.62e-03	1.48e-03	-2.54	-1.32e-06	-4.23e-06	0.0
80	66	-1.78e-03	-5.90e-03	-2.54	4.30e-06	-1.20e-06	0.0
80	67	1.34e-05	-3.39e-06	-2.54	0.0	0.0	0.0
81	1	-7.26e-06	0.0	-3.30	0.0	0.0	0.0
81	3	6.53e-03	2.15e-03	-2.54	-1.58e-06	5.06e-06	0.0
81	13	-6.60e-03	2.15e-03	-2.54	-1.58e-06	-5.18e-06	0.0
81	24	1.99e-03	-6.74e-03	-2.54	5.08e-06	1.48e-06	0.0
81	43	5.57e-03	1.58e-03	-2.54	-1.34e-06	4.27e-06	0.0
81	45	-5.60e-03	1.83e-03	-2.54	-1.34e-06	-4.39e-06	0.0
81	56	1.69e-03	-5.72e-03	-2.54	4.28e-06	1.24e-06	0.0
81	67	-5.58e-06	0.0	-2.54	0.0	0.0	0.0
82	1	1.09e-06	7.19e-06	-3.30	0.0	0.0	0.0
82	8	6.74e-03	-2.00e-03	-2.54	1.44e-06	5.11e-06	0.0
82	29	-2.15e-03	6.60e-03	-2.54	-5.22e-06	-1.54e-06	0.0
82	30	-1.86e-03	-6.58e-03	-2.54	5.03e-06	-1.54e-06	0.0
82	40	5.72e-03	-1.69e-03	-2.54	1.20e-06	4.32e-06	0.0
82	61	-1.82e-03	5.60e-03	-2.54	-4.42e-06	-1.30e-06	0.0

82	62	-1.58e-03	-5.58e-03	-2.54	4.23e-06	-1.30e-06	0.0
82	67	0.0	5.53e-06	-2.54	0.0	0.0	0.0
83	1	0.0	-8.63e-06	-3.30	0.0	0.0	0.0
83	15	6.77e-03	1.99e-03	-2.54	-1.53e-06	5.11e-06	0.0
83	33	-1.85e-03	6.57e-03	-2.54	-5.11e-06	-1.54e-06	0.0
83	34	-2.18e-03	-6.60e-03	-2.54	5.13e-06	-1.54e-06	0.0
83	47	5.74e-03	1.69e-03	-2.54	-1.29e-06	4.32e-06	0.0
83	65	-1.57e-03	5.57e-03	-2.54	-4.32e-06	-1.31e-06	0.0
83	66	-1.85e-03	-5.60e-03	-2.54	4.33e-06	-1.30e-06	0.0
83	67	0.0	-6.64e-06	-2.54	0.0	0.0	0.0
84	1	8.29e-06	0.0	-3.30	0.0	0.0	0.0
84	15	6.58e-03	2.17e-03	-2.54	-1.58e-06	5.16e-06	0.0
84	17	-6.56e-03	1.85e-03	-2.54	-1.58e-06	-5.08e-06	0.0
84	34	-1.97e-03	-6.76e-03	-2.54	5.07e-06	-1.50e-06	0.0
84	47	5.58e-03	1.84e-03	-2.54	-1.34e-06	4.37e-06	0.0
84	49	-5.56e-03	1.57e-03	-2.54	-1.35e-06	-4.28e-06	0.0
84	66	-1.67e-03	-5.73e-03	-2.54	4.28e-06	-1.26e-06	0.0
84	67	6.38e-06	0.0	-2.54	0.0	0.0	0.0
85	1	-7.08e-06	7.08e-06	-3.30	0.0	0.0	0.0
85	6	-6.76e-03	-2.16e-03	-2.54	1.44e-06	-5.18e-06	0.0
85	20	1.85e-03	-6.66e-03	-2.54	5.03e-06	1.48e-06	0.0
85	25	-1.77e-03	6.76e-03	-2.54	-5.22e-06	-1.59e-06	0.0
85	38	-5.74e-03	-1.83e-03	-2.54	1.20e-06	-4.38e-06	0.0
85	52	1.57e-03	-5.65e-03	-2.54	4.23e-06	1.24e-06	0.0
85	57	-1.51e-03	5.74e-03	-2.54	-4.42e-06	-1.35e-06	0.0
85	67	-5.44e-06	5.45e-06	-2.54	0.0	0.0	0.0

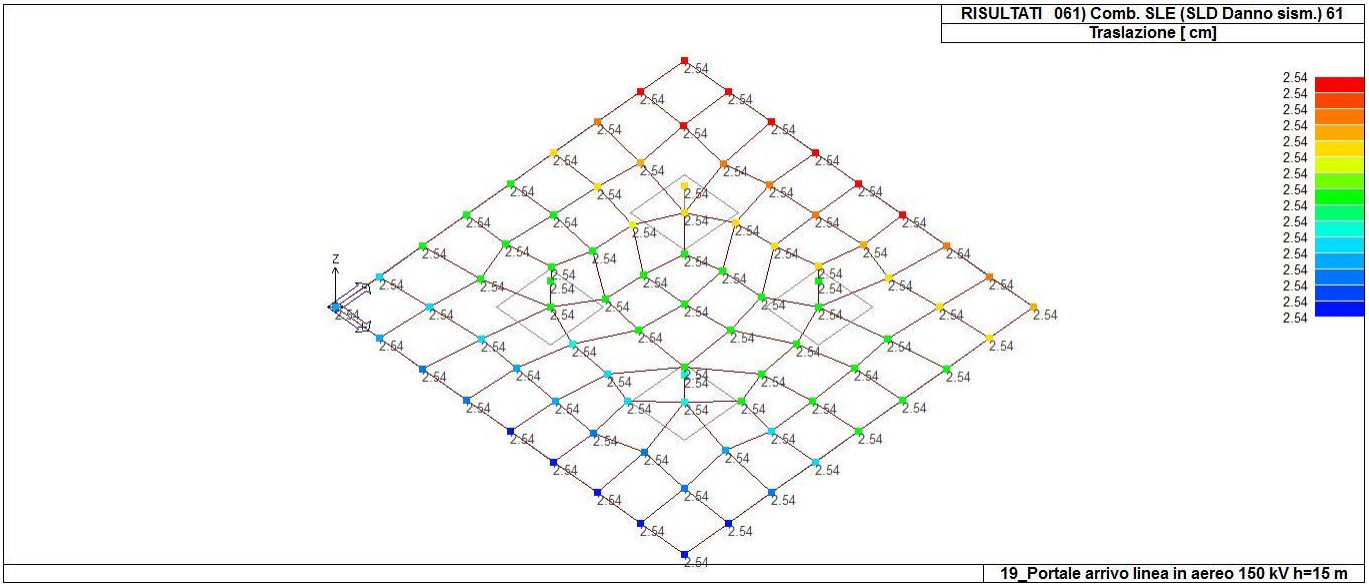
Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-7.38e-03	-7.38e-03	-3.30	-5.32e-06	-5.28e-06	-2.58e-06
	7.38e-03	7.38e-03	-2.54	5.22e-06	5.26e-06	2.59e-06



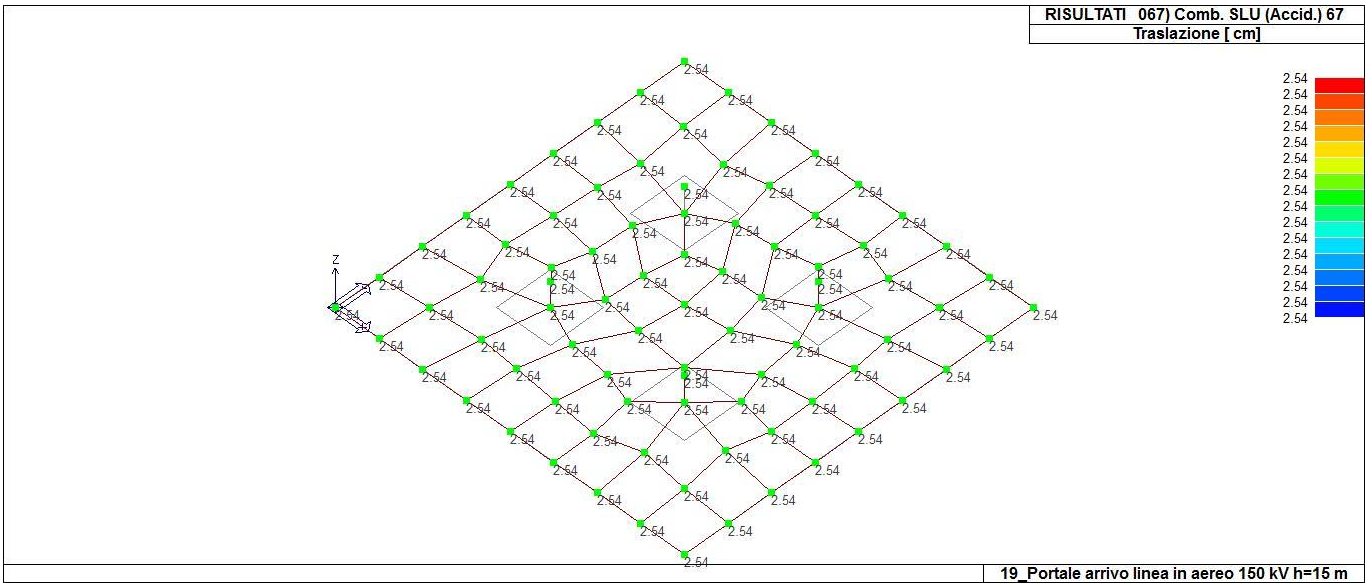
41_RIS_SPOSTAMENTI_001_Comb. SLU A1 1



41_RIS_SPOSTAMENTI_029_Comb. SLU A1 (SLV sism.) 29



41_RIS_SPOSTAMENTI_061_Comb. SLE (SLD Danno sism.) 61



41_RIS_SPOSTAMENTI_067_Comb. SLU (Accid.) 67

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.
Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.
In particolare viene riportato:

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

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

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.
In particolare viene riportato:

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

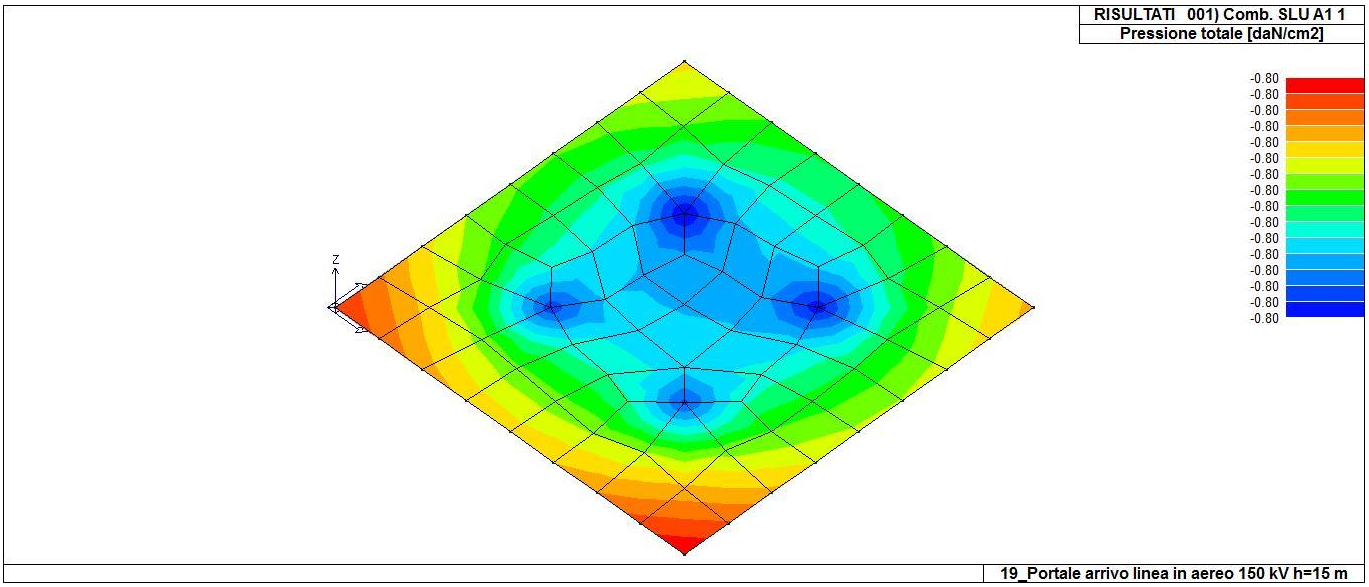
La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.
Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

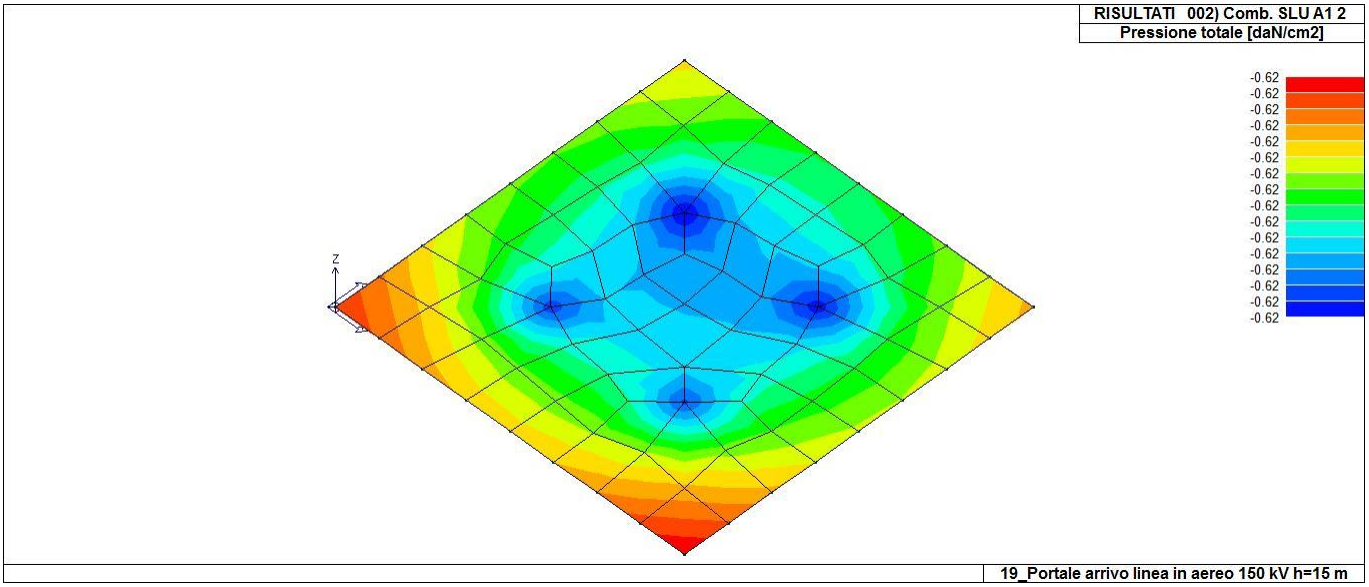
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.80	-0.62	-0.62	-0.62							
3	-0.80	-0.62	-0.62	-0.62							
5	-0.80	-0.62	-0.62	-0.62							
7	-0.80	-0.62	-0.62	-0.62							
9	-0.80	-0.62	-0.62	-0.62							
10	-0.80	-0.62	-0.62	-0.62							
11	-0.80	-0.62	-0.62	-0.62							
12	-0.80	-0.62	-0.62	-0.62							
13	-0.80	-0.62	-0.62	-0.62							
14	-0.80	-0.62	-0.62	-0.62							
15	-0.80	-0.62	-0.62	-0.62							
16	-0.80	-0.62	-0.62	-0.62							
17	-0.80	-0.62	-0.62	-0.62							
18	-0.80	-0.62	-0.62	-0.62							
19	-0.80	-0.62	-0.62	-0.62							
20	-0.80	-0.62	-0.62	-0.62							
21	-0.80	-0.62	-0.62	-0.62							
22	-0.80	-0.62	-0.62	-0.62							
23	-0.80	-0.62	-0.62	-0.62							
24	-0.80	-0.62	-0.62	-0.62							
25	-0.80	-0.62	-0.62	-0.62							
26	-0.80	-0.62	-0.62	-0.62							
27	-0.80	-0.62	-0.62	-0.62							
28	-0.80	-0.62	-0.62	-0.62							
29	-0.80	-0.62	-0.62	-0.62							
30	-0.80	-0.62	-0.62	-0.62							
31	-0.80	-0.62	-0.62	-0.62							
32	-0.80	-0.62	-0.62	-0.62							
33	-0.80	-0.62	-0.62	-0.62							
34	-0.80	-0.62	-0.62	-0.62							
35	-0.80	-0.62	-0.62	-0.62							
36	-0.80	-0.62	-0.62	-0.62							
37	-0.80	-0.62	-0.62	-0.62							
38	-0.80	-0.62	-0.62	-0.62							
39	-0.80	-0.62	-0.62	-0.62							
40	-0.80	-0.62	-0.62	-0.62							
41	-0.80	-0.62	-0.62	-0.62							
42	-0.80	-0.62	-0.62	-0.62							
43	-0.80	-0.62	-0.62	-0.62							
44	-0.80	-0.62	-0.62	-0.62							
45	-0.80	-0.62	-0.62	-0.62							
46	-0.80	-0.62	-0.62	-0.62							
47	-0.80	-0.62	-0.62	-0.62							
48	-0.80	-0.62	-0.62	-0.62							
49	-0.80	-0.62	-0.62	-0.62							
50	-0.80	-0.62	-0.62	-0.62							
51	-0.80	-0.62	-0.62	-0.62							
52	-0.80	-0.62	-0.62	-0.62							
53	-0.80	-0.62	-0.62	-0.62							
54	-0.80	-0.62	-0.62	-0.62							
55	-0.80	-0.62	-0.62	-0.62							
56	-0.80	-0.62	-0.62	-0.62							
57	-0.80	-0.62	-0.62	-0.62							
58	-0.80	-0.62	-0.62	-0.62							
59	-0.80	-0.62	-0.62	-0.62							
60	-0.80	-0.62	-0.62	-0.62							
61	-0.80	-0.62	-0.62	-0.62							
62	-0.80	-0.62	-0.62	-0.62							
63	-0.80	-0.62	-0.62	-0.62							
64	-0.80	-0.62	-0.62	-0.62							
65	-0.80	-0.62	-0.62	-0.62							
66	-0.80	-0.62	-0.62	-0.62							
67	-0.80	-0.62	-0.62	-0.62							
68	-0.80	-0.62	-0.62	-0.62							
69	-0.80	-0.62	-0.62	-0.62							
70	-0.80	-0.62	-0.62	-0.62							
71	-0.80	-0.62	-0.62	-0.62							
72	-0.80	-0.62	-0.62	-0.62							
73	-0.80	-0.62	-0.62	-0.62							
74	-0.80	-0.62	-0.62	-0.62							
75	-0.80	-0.62	-0.62	-0.62							
76	-0.80	-0.62	-0.62	-0.62							
77	-0.80	-0.62	-0.62	-0.62							

78	-0.80	-0.62	-0.62	-0.62
79	-0.80	-0.62	-0.62	-0.62
80	-0.80	-0.62	-0.62	-0.62
81	-0.80	-0.62	-0.62	-0.62
82	-0.80	-0.62	-0.62	-0.62
83	-0.80	-0.62	-0.62	-0.62
84	-0.80	-0.62	-0.62	-0.62
85	-0.80	-0.62	-0.62	-0.62

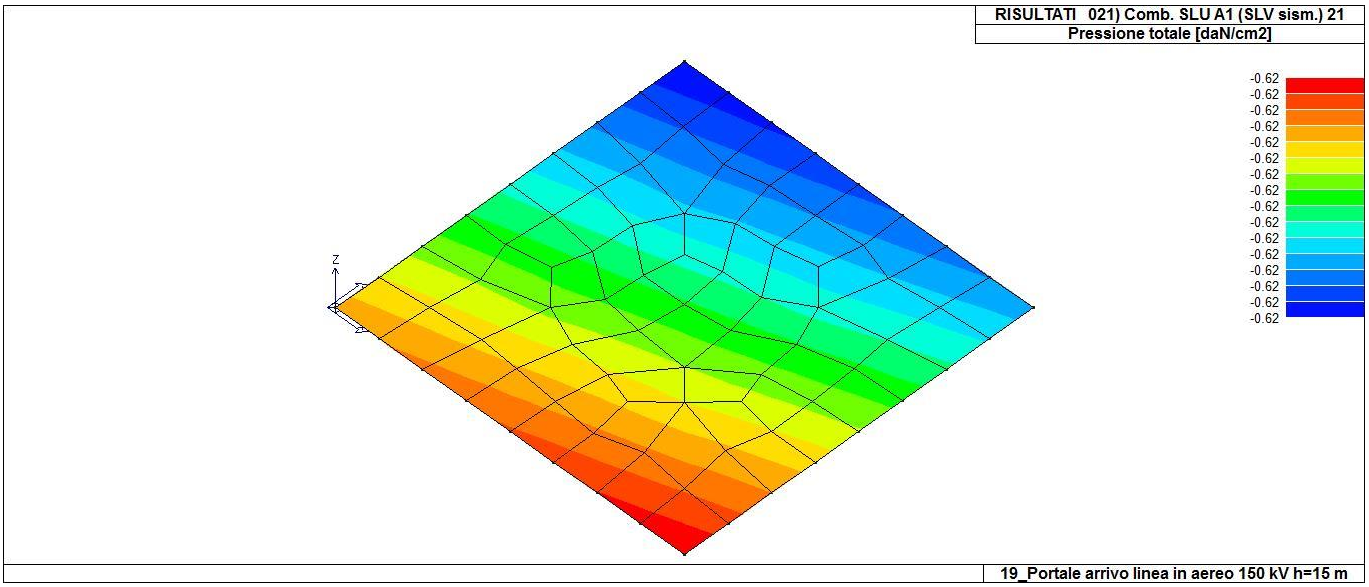
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-0.80			
	-0.62			



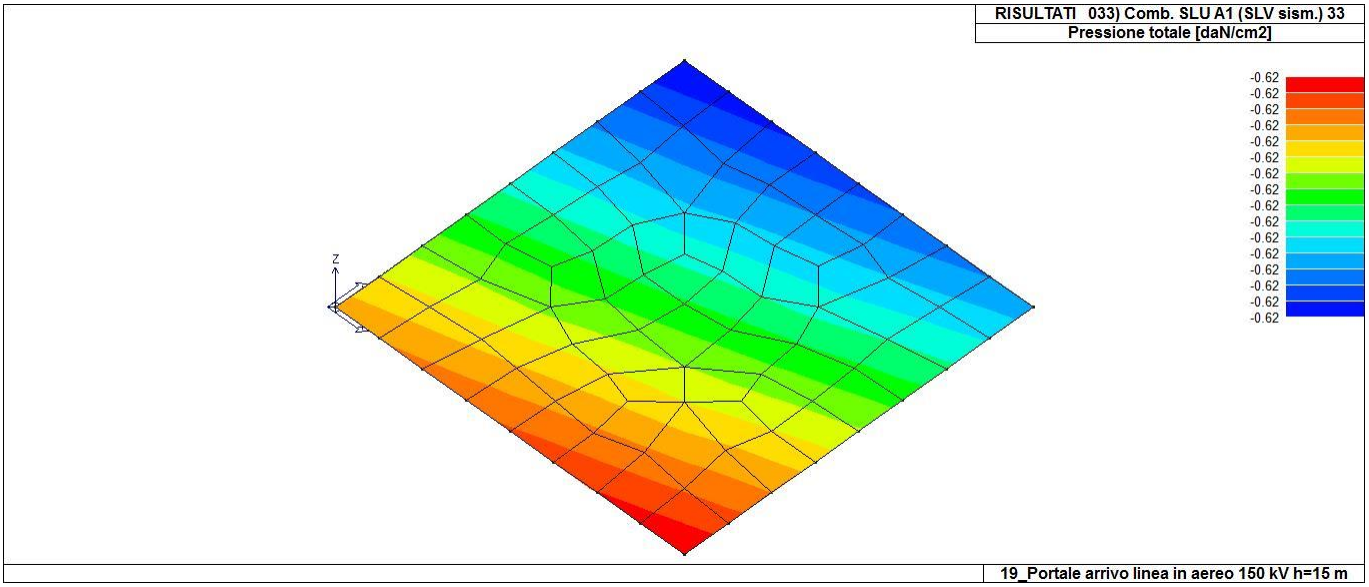
46_RIS_PRESSIONI_001_Comb. SLU A1 1



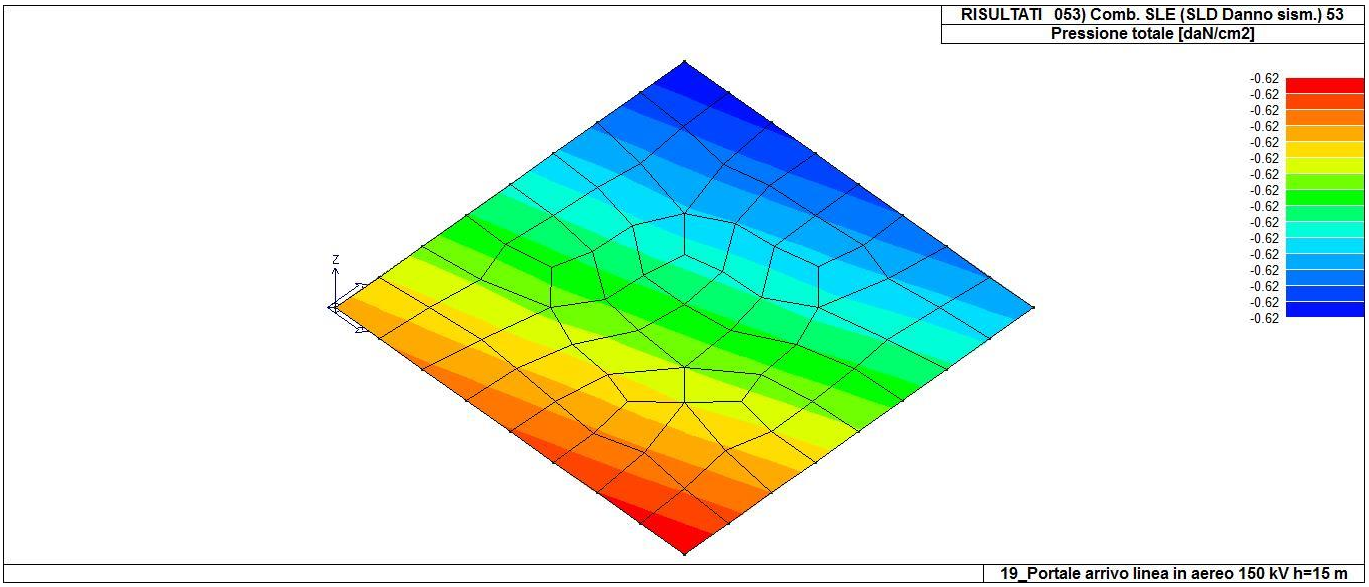
46_RIS_PRESSIONI_002_Comb. SLU A1 2



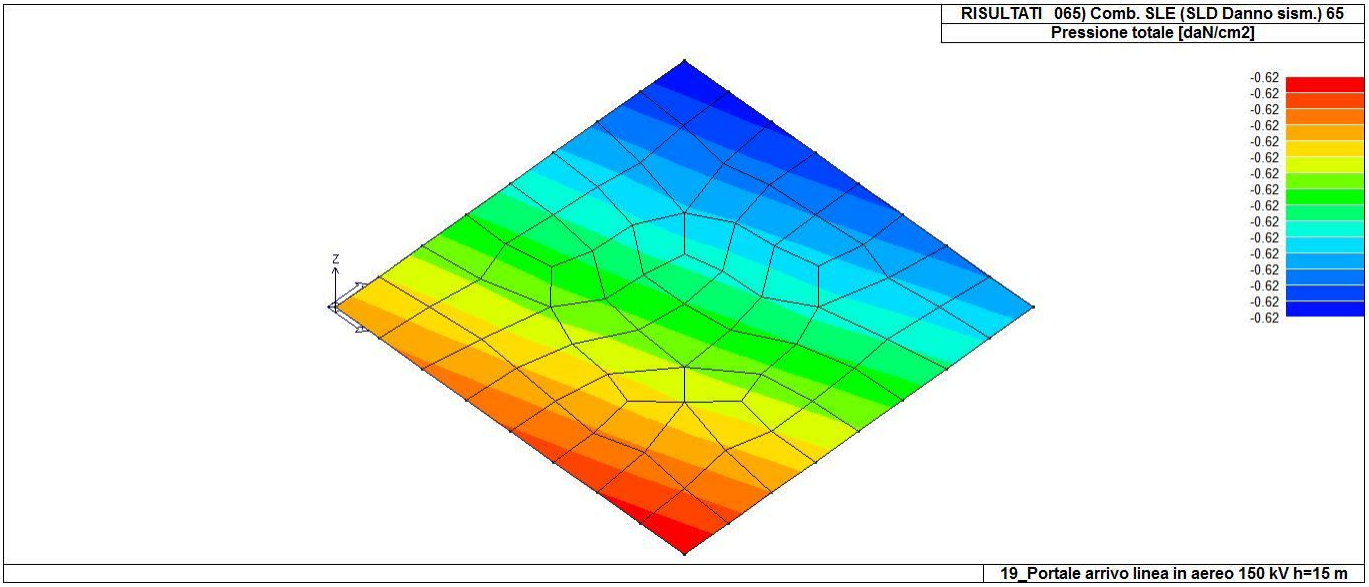
46_RIS_PRESSIONI_021_Comb. SLU A1 (SLV sism.) 21



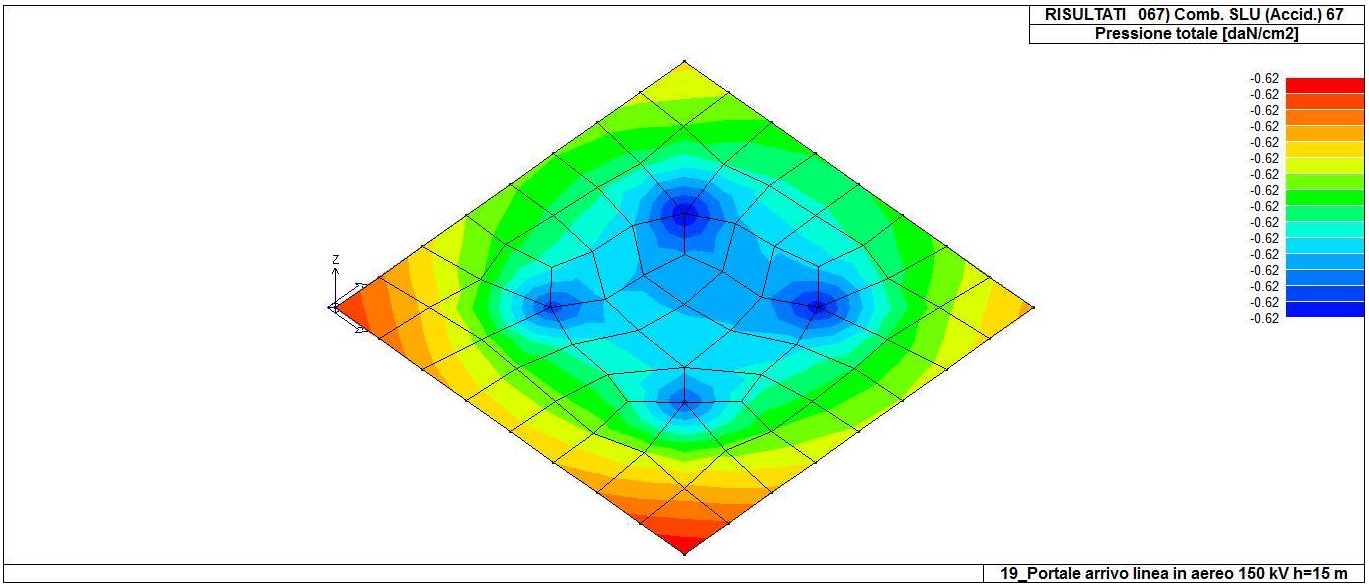
46_RIS_PRESSIONI_033_Comb. SLU A1 (SLV sism.) 33



46_RIS_PRESSIONI_053_Comb. SLE (SLD Danno sism.) 53



46_RIS_PRESSIONI_065_Comb. SLE (SLD Danno sism.) 65

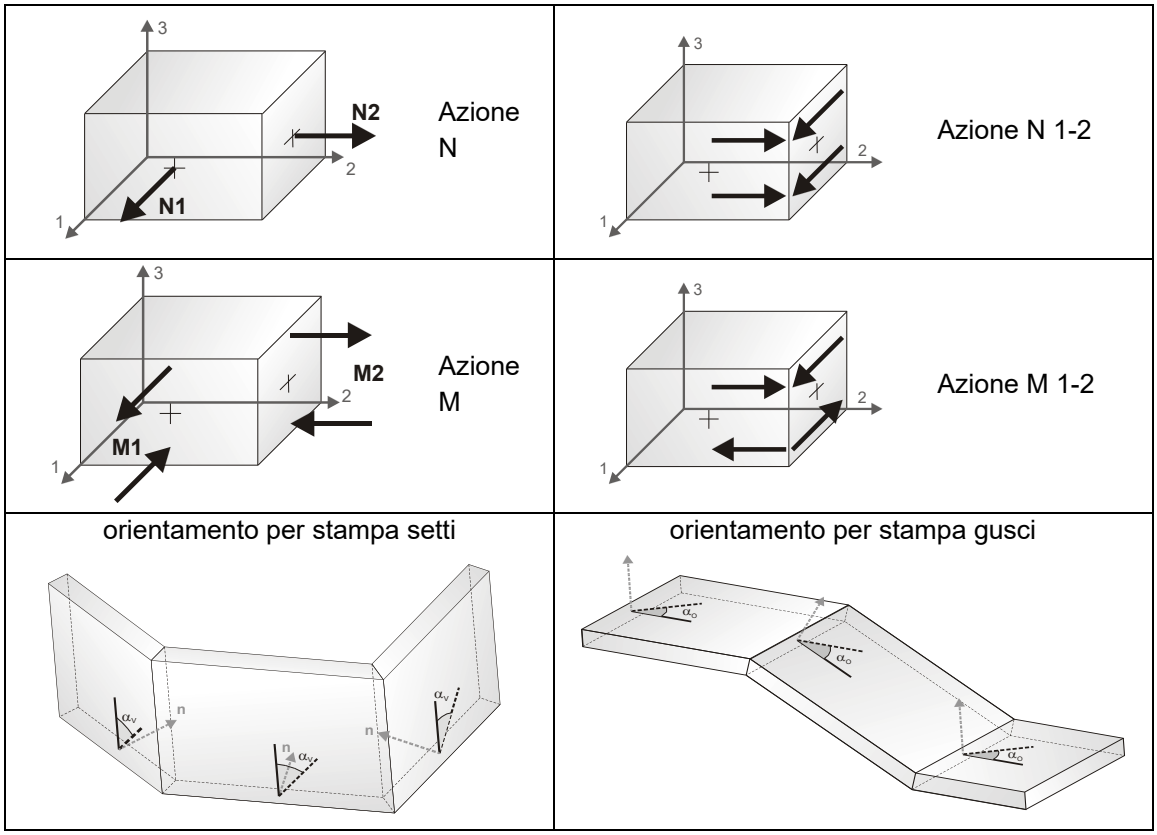


46_RIS_PRESSIONI_067_Comb. SLU (Accid.) 67

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.
Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



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

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

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.
Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

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

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

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

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	77	0.04	0.01	-0.32	-0.14	-0.17	-0.17	-273.26	-379.18	-286.86	-365.58	-35.44
		75	0.04	0.18	0.02	0.16	0.04	0.05	-287.28	-417.05	-396.11	-308.22	-47.74
		60	0.04	0.02	-0.53	-0.41	-0.10	-0.23	-67.35	-380.41	-380.35	-67.40	-4.18
		62	0.03	0.13	-0.10	-0.03	0.06	0.11	-113.84	-318.50	-314.03	-118.31	29.89
1	34	77	0.03	8.64e-03	-0.21	-0.16	-0.04	-0.09	-213.96	-280.58	-223.58	-270.97	-23.41
		75	0.03	0.16	-4.69e-03	0.06	0.09	0.08	-215.33	-319.93	-307.66	-227.60	-33.66
		60	0.03	0.03	-0.44	-0.40	-7.63e-03	-0.13	-42.39	-297.52	-297.52	-42.39	-0.21
		62	0.02	0.19	-0.16	-0.10	0.14	0.13	-76.87	-250.20	-246.02	-81.05	26.59
1	66	77	0.03	4.75e-03	-0.21	-0.16	-0.05	-0.09	-213.39	-282.23	-223.13	-272.49	-23.99
		75	0.03	0.15	2.71e-03	0.07	0.08	0.07	-216.25	-320.01	-307.21	-229.05	-34.12
		60	0.03	0.03	-0.43	-0.39	-0.02	-0.14	-43.85	-296.76	-296.76	-43.85	-0.67
		62	0.02	0.17	-0.14	-0.09	0.12	0.12	-78.45	-249.42	-245.35	-82.52	26.05
1	67	77	0.03	0.01	-0.25	-0.11	-0.13	-0.13	-210.20	-291.68	-220.66	-281.21	-27.26
		75	0.03	0.14	0.02	0.12	0.03	0.04	-220.98	-320.81	-304.70	-237.09	-36.72
		60	0.03	0.02	-0.40	-0.31	-0.08	-0.17	-51.81	-292.62	-292.58	-51.85	-3.22
		62	0.02	0.10	-0.08	-0.02	0.04	0.08	-87.57	-245.00	-241.56	-91.00	22.99
2	1	55	0.03	0.18	-0.04	0.12	0.03	-0.10	23.23	-267.32	-264.06	19.97	-30.61
		53	0.04	0.32	-0.16	0.32	-0.16	7.71e-03	-155.63	-401.14	-368.27	-188.51	-83.61
		74	0.04	0.13	-0.24	-9.70e-03	-0.11	-0.18	-234.79	-451.75	-255.70	-430.84	-64.02
		5	0.08	0.16	-7.25e-03	0.16	-6.51e-03	0.01	-746.39	-840.85	-827.52	-759.71	-32.88
2	28	55	0.02	0.14	-0.10	0.03	8.92e-03	-0.12	-2.12	-217.71	-215.60	-4.23	-21.23
		53	0.03	0.15	-0.27	0.15	-0.27	-0.04	-135.12	-319.46	-294.87	-159.71	-62.67
		74	0.03	0.10	-0.32	-6.38e-03	-0.21	-0.18	-194.62	-359.49	-207.47	-346.65	-44.19
		5	0.07	0.15	-0.01	0.14	-4.98e-03	-0.04	-596.42	-658.78	-651.01	-604.19	-20.59
2	60	55	0.02	0.14	-0.09	0.04	0.01	-0.12	0.93	-215.88	-213.72	-1.24	-21.55
		53	0.03	0.17	-0.25	0.16	-0.25	-0.03	-132.82	-317.78	-293.08	-157.53	-62.92
		74	0.03	0.10	-0.30	-6.58e-03	-0.19	-0.18	-192.57	-357.65	-205.89	-344.32	-44.97
		5	0.07	0.15	-0.01	0.14	-4.99e-03	-0.03	-593.03	-656.94	-648.80	-601.17	-21.30
2	67	55	0.02	0.14	-0.03	0.09	0.02	-0.08	17.87	-205.63	-203.13	15.36	-23.55
		53	0.03	0.24	-0.13	0.24	-0.13	5.93e-03	-119.71	-308.57	-283.28	-145.00	-64.32
		74	0.03	0.10	-0.19	-7.47e-03	-0.08	-0.14	-180.61	-347.50	-196.69	-331.42	-49.24
		5	0.06	0.13	-5.58e-03	0.12	-5.01e-03	8.66e-03	-574.15	-646.81	-636.56	-584.40	-25.29
3	1	49	0.04	0.44	-0.25	0.43	-0.25	-0.04	-121.94	-372.44	-294.77	-199.60	115.86
		47	0.03	0.29	-9.40e-04	0.29	-8.71e-04	4.48e-03	9.65	-260.35	-227.52	-23.19	88.25
		7	0.08	0.27	-0.07	0.27	-0.06	-0.02	-720.05	-838.19	-818.58	-739.66	43.95
		70	0.03	0.14	-0.13	0.13	-0.12	0.05	-202.95	-378.85	-240.85	-340.95	72.32
3	22	49	0.03	0.25	-0.31	0.25	-0.31	0.02	-106.83	-297.93	-237.83	-166.93	88.73
		47	0.02	0.18	-0.03	0.17	-0.02	0.05	-11.64	-211.85	-188.58	-34.92	64.17
		7	0.07	0.20	-0.08	0.19	-0.08	0.03	-575.56	-662.72	-651.37	-586.91	29.34
		70	0.03	0.09	-0.27	0.07	-0.25	0.09	-177.34	-305.73	-207.25	-275.82	54.27
3	54	49	0.03	0.27	-0.29	0.27	-0.29	9.56e-03	-104.83	-296.16	-236.10	-164.89	88.79
		47	0.02	0.19	-0.02	0.18	-0.01	0.04	-8.75	-210.09	-186.52	-32.32	64.73
		7	0.06	0.20	-0.08	0.20	-0.08	0.02	-572.28	-659.95	-648.06	-584.17	30.02
		70	0.03	0.09	-0.25	0.07	-0.23	0.08	-174.15	-303.64	-204.00	-273.79	54.54
3	67	49	0.03	0.34	-0.20	0.33	-0.19	-0.03	-93.80	-286.49	-226.75	-153.54	89.12
		47	0.02	0.22	-7.23e-04	0.22	-6.70e-04	3.45e-03	7.42	-200.27	-175.01	-17.84	67.88
		7	0.06	0.21	-0.05	0.21	-0.05	-0.02	-553.89	-644.76	-629.68	-568.97	33.81
		70	0.03	0.11	-0.10	0.10	-0.09	0.04	-156.11	-291.43	-185.27	-262.27	55.63
4	1	53	0.04	0.06	-0.45	-0.24	-0.15	-0.25	-103.26	-391.84	-363.98	-131.11	-85.23

		51	0.03	0.10	-0.18	-0.11	0.03	0.12	-118.61	-315.02	-314.73	-118.90	-7.53
		72	0.04	0.06	-0.15	-2.42e-03	-0.09	-0.10	-277.98	-370.78	-279.37	-369.38	11.29
		74	0.04	0.24	-0.23	0.18	-0.17	0.15	-312.20	-451.34	-315.63	-447.92	-21.56
4	28	53	0.03	-0.01	-0.36	-0.12	-0.25	-0.16	-94.95	-299.79	-279.77	-114.97	-60.83
		51	0.02	0.09	-0.18	-0.02	-0.07	0.13	-103.31	-241.38	-241.38	-103.31	0.29
		72	0.03	0.09	-0.17	0.09	-0.16	-0.04	-207.44	-297.39	-210.34	-294.49	15.89
		74	0.03	0.26	-0.31	0.22	-0.27	0.15	-237.89	-359.48	-238.86	-358.52	-10.79
4	60	53	0.03	-8.51e-03	-0.35	-0.13	-0.23	-0.16	-92.65	-300.05	-279.81	-112.89	-61.55
		51	0.02	0.08	-0.17	-0.03	-0.05	0.12	-101.46	-241.50	-241.49	-101.46	-0.65
		72	0.03	0.08	-0.16	0.07	-0.15	-0.04	-208.44	-295.58	-211.03	-293.00	14.79
		74	0.03	0.25	-0.29	0.21	-0.25	0.15	-238.30	-357.58	-239.45	-356.42	-11.68
4	67	53	0.03	0.05	-0.35	-0.18	-0.12	-0.20	-79.43	-301.41	-279.98	-100.86	-65.56
		51	0.02	0.08	-0.14	-0.09	0.03	0.09	-91.24	-242.32	-242.10	-91.46	-5.79
		72	0.03	0.05	-0.12	-1.86e-03	-0.07	-0.07	-213.83	-285.21	-214.90	-284.14	8.68
		74	0.03	0.18	-0.17	0.14	-0.13	0.11	-240.16	-347.19	-242.79	-344.55	-16.59
5	1	73	0.04	0.13	-0.25	-0.09	-0.03	-0.19	-232.96	-447.56	-424.19	-256.32	-66.85
		52	0.04	0.34	-0.16	-0.16	0.34	-0.01	-151.97	-400.91	-183.92	-368.97	-83.26
		54	0.03	0.19	-0.03	0.04	0.11	-0.10	26.11	-263.57	23.11	-260.58	-29.30
		3	0.08	0.17	1.98e-03	2.00e-03	0.17	-1.83e-03	-746.15	-838.49	-759.12	-825.53	-32.08
5	12	73	0.03	0.10	-0.31	-0.19	-0.02	-0.19	-195.89	-356.98	-341.74	-211.13	-47.15
		52	0.03	0.17	-0.27	-0.26	0.16	-0.05	-132.11	-319.20	-156.03	-295.28	-62.47
		54	0.02	0.15	-0.10	0.02	0.03	-0.13	0.22	-214.73	-1.70	-212.81	-20.23
		3	0.07	0.16	-0.01	1.07e-03	0.15	-0.05	-596.16	-656.92	-603.67	-649.41	-20.00
5	44	73	0.03	0.10	-0.29	-0.17	-0.03	-0.18	-193.31	-355.00	-339.37	-208.95	-47.78
		52	0.03	0.18	-0.25	-0.24	0.18	-0.05	-129.84	-317.52	-153.86	-293.50	-62.70
		54	0.02	0.15	-0.09	0.02	0.04	-0.12	3.24	-212.91	1.27	-210.94	-20.55
		3	0.07	0.15	-8.93e-03	1.14e-03	0.14	-0.04	-592.78	-655.09	-600.66	-647.21	-20.71
5	67	73	0.03	0.10	-0.19	-0.07	-0.03	-0.14	-179.20	-344.27	-326.30	-197.17	-51.42
		52	0.03	0.26	-0.12	-0.12	0.26	-8.24e-03	-116.90	-308.39	-141.48	-283.82	-64.04
		54	0.02	0.14	-0.03	0.03	0.09	-0.08	20.08	-202.75	17.78	-200.45	-22.54
		3	0.06	0.13	1.52e-03	1.54e-03	0.13	-1.41e-03	-573.97	-644.99	-583.94	-635.02	-24.67
6	1	66	0.03	0.11	-0.13	0.10	-0.13	0.03	-110.91	-320.93	-314.78	-117.07	-35.42
		64	0.03	0.40	-3.77e-03	0.27	0.13	-0.19	-65.17	-306.27	-304.17	-67.27	22.43
		15	0.03	7.58e-03	-0.16	-0.14	-0.02	0.06	-6.32	-331.52	-328.57	-9.27	30.84
		14	0.02	0.12	-0.01	0.04	0.07	-0.07	11.15	-227.69	-224.72	8.18	26.45
6	30	66	0.02	0.14	-0.07	0.14	-0.07	0.03	-80.37	-237.77	-233.52	-84.62	-25.52
		64	0.02	0.38	0.07	0.29	0.16	-0.14	-42.06	-224.78	-223.55	-43.28	14.94
		15	0.03	0.03	-0.19	-0.18	0.02	0.05	0.58	-257.09	-254.97	-1.53	23.24
		14	0.02	0.08	-0.05	-0.03	0.06	-0.05	12.55	-177.48	-174.55	9.62	23.40
6	62	66	0.02	0.13	-0.08	0.13	-0.08	0.03	-81.13	-239.15	-234.83	-85.45	-25.76
		64	0.02	0.37	0.06	0.27	0.15	-0.14	-43.29	-226.45	-225.16	-44.58	15.29
		15	0.03	0.02	-0.18	-0.17	0.01	0.05	-0.25	-256.78	-254.65	-2.39	23.32
		14	0.02	0.08	-0.05	-0.02	0.06	-0.05	11.94	-177.13	-174.31	9.11	22.94
6	67	66	0.02	0.08	-0.10	0.08	-0.10	0.03	-85.32	-246.87	-242.14	-90.05	-27.25
		64	0.02	0.31	-2.90e-03	0.20	0.10	-0.14	-50.13	-235.59	-233.97	-51.75	17.25
		15	0.03	5.83e-03	-0.12	-0.11	-0.01	0.04	-4.86	-255.02	-252.75	-7.13	23.72
		14	0.02	0.10	-7.74e-03	0.03	0.06	-0.05	8.58	-175.14	-172.86	6.29	20.35
7	1	79	0.04	0.26	-0.18	0.22	-0.15	-0.12	-319.32	-438.77	-334.86	-423.23	40.18
		77	0.03	0.05	-0.18	-0.01	-0.12	0.10	-276.72	-357.76	-276.72	-357.76	0.23
		62	0.03	0.09	-0.17	-0.10	0.02	-0.11	-117.26	-315.26	-315.08	-117.45	5.98
		64	0.04	0.05	-0.46	-0.27	-0.14	0.25	-88.32	-391.74	-372.83	-107.23	73.36
7	32	79	0.03	0.11	-0.02	0.07	0.02	-0.06	-244.53	-330.42	-263.95	-311.00	35.93
		77	0.03	0.07	-0.18	-0.12	9.07e-03	0.11	-219.50	-265.52	-220.30	-264.72	6.03
		62	0.02	0.13	-0.18	-0.17	0.12	-0.05	-79.02	-247.99	-247.54	-79.47	8.71
		64	0.03	0.13	-0.42	-0.30	0.02	0.22	-53.00	-306.39	-291.32	-68.07	59.94
7	64	79	0.03	0.12	-0.04	0.09	-1.19e-03	-0.07	-244.86	-331.26	-262.98	-313.13	35.17
		77	0.03	0.06	-0.17	-0.10	-5.86e-03	0.11	-218.61	-266.82	-219.17	-266.26	5.15
		62	0.02	0.12	-0.17	-0.16	0.10	-0.06	-80.67	-247.16	-246.76	-81.06	8.10
		64	0.03	0.12	-0.41	-0.29	-1.32e-03	0.22	-55.20	-305.63	-290.64	-70.19	59.41
7	67	79	0.03	0.20	-0.14	0.17	-0.11	-0.09	-245.63	-337.51	-257.58	-325.56	30.91
		77	0.03	0.04	-0.14	-0.01	-0.09	0.08	-212.86	-275.20	-212.86	-275.20	0.18
		62	0.02	0.07	-0.13	-0.08	0.02	-0.09	-90.20	-242.51	-242.37	-90.34	4.60
		64	0.03	0.04	-0.36	-0.21	-0.11	0.19	-67.93	-301.34	-286.79	-82.48	56.43
8	1	67	0.03	0.17	0.01	0.05	0.14	-0.07	8.57	-264.75	4.63	-260.81	-32.59
		1	0.08	0.05	-0.13	-0.08	6.63e-03	0.07	-667.23	-823.13	-709.33	-781.03	-69.22
		66	0.03	0.12	0.02	0.09	0.05	-0.04	-0.74	-269.88	-203.15	-67.46	-116.22
		68	0.02	0.05	-1.12e-03	0.01	0.04	-0.02	-80.39	-195.22	-114.24	-161.36	-52.36
8	17	67	0.02	0.11	-0.05	0.03	0.04	-0.08	-15.57	-214.99	-19.16	-211.39	-26.55
		1	0.06	-0.03	-0.09	-0.08	-0.05	0.03	-534.49	-646.51	-567.95	-613.05	-51.27
		66	0.02	0.03	-0.10	-0.04	-0.03	-0.06	-15.82	-218.60	-170.51	-63.91	-86.25
		68	0.01	-0.03	-0.13	-0.11	-0.05	-0.05	-72.76	-161.11	-101.13	-132.74	-41.25
8	49	67	0.02	0.12	-0.04	0.03	0.05	-0.08	-12.16	-213.25	-15.67	-209.75	-26.32
		1	0.06	-0.02	-0.09	-0.07	-0.04	0.03	-531.27	-644.46	-564.56	-611.17	-51.57
		66	0.02	0.04	-0.08	-0.02	-0.02	-0.06	-13.42	-216.92	-168.35	-61.99	-86.75
		68	0.01	-0.02	-0.11	-0.09	-0.04	-0.04	-71.13	-159.50	-99.16	-131.48	-41.12
8	67	67	0.02	0.13	8.36e-03	0.04	0.10	-0.05	6.59	-203.65	3.56	-200.62	-25.07

		1	0.06	0.04	-0.10	-0.06	5.10e-03	0.06	-513.26	-633.18	-545.64	-600.79	-53.24
		66	0.02	0.09	0.02	0.07	0.04	-0.03	-0.57	-207.60	-156.27	-51.90	-89.40
		68	0.01	0.04	-8.63e-04	9.26e-03	0.03	-0.02	-61.83	-150.17	-87.88	-124.12	-40.28
9	1	84	0.04	0.02	-0.03	-0.03	0.02	2.81e-03	-297.58	-416.99	-416.99	-297.58	0.13
		44	0.04	0.05	0.03	0.04	0.04	-0.01	-351.01	-355.12	-354.17	-351.96	-1.73
		83	0.04	5.87e-03	-6.35e-03	4.91e-03	-5.39e-03	-3.29e-03	-297.20	-423.28	-303.45	-417.03	-27.38
		43	0.05	0.12	0.08	0.11	0.10	-0.02	-353.04	-488.30	-433.60	-407.73	-66.38
9	16	84	0.03	0.02	-0.10	-0.09	0.01	-0.02	-230.35	-327.63	-327.61	-230.37	1.21
		44	0.03	0.04	-0.06	-0.04	0.02	-0.04	-271.74	-279.08	-279.05	-271.77	0.46
		83	0.03	8.28e-03	-0.06	-0.04	-8.02e-03	-0.03	-234.28	-325.63	-238.46	-321.45	-19.10
		43	0.04	0.12	0.02	0.04	0.09	-0.04	-275.13	-377.86	-338.29	-314.70	-49.99
9	48	84	0.03	0.02	-0.08	-0.08	0.01	-0.02	-230.12	-326.62	-326.61	-230.14	1.05
		44	0.03	0.04	-0.04	-0.03	0.02	-0.03	-271.62	-278.08	-278.07	-271.63	0.19
		83	0.03	7.02e-03	-0.05	-0.03	-7.45e-03	-0.02	-233.38	-325.64	-237.66	-321.36	-19.40
		43	0.04	0.11	0.03	0.05	0.09	-0.04	-274.59	-377.51	-337.56	-314.54	-50.16
9	67	84	0.03	0.01	-0.02	-0.02	0.01	2.16e-03	-228.91	-320.76	-320.76	-228.91	0.10
		44	0.03	0.04	0.02	0.03	0.03	-9.70e-03	-270.01	-273.17	-272.44	-270.74	-1.33
		83	0.03	4.52e-03	-4.89e-03	3.78e-03	-4.15e-03	-2.53e-03	-228.61	-325.60	-233.43	-320.79	-21.06
		43	0.04	0.10	0.06	0.08	0.08	-0.02	-271.57	-375.61	-333.54	-313.64	-51.06
10	1	38	0.03	3.04e-03	-0.16	-0.02	-0.13	0.06	-6.84	-327.56	-9.22	-325.18	27.52
		65	0.03	0.37	-0.01	0.13	0.23	-0.19	-64.75	-308.78	-66.75	-306.78	22.02
		67	0.03	0.09	-0.14	-0.13	0.09	0.02	-103.00	-315.79	-107.92	-310.87	-31.99
		39	0.02	0.11	-7.41e-03	0.06	0.04	-0.06	10.37	-230.25	7.64	-227.53	25.46
10	17	38	0.03	0.01	-0.14	-0.07	-0.05	0.08	-12.82	-252.42	-15.33	-249.92	24.37
		65	0.02	0.19	-0.05	0.02	0.12	-0.11	-58.87	-247.84	-61.77	-244.94	23.23
		67	0.02	0.04	-0.13	-0.12	0.03	0.05	-84.50	-249.30	-87.26	-246.54	-21.14
		39	0.02	0.08	0.05	0.05	0.08	-8.77e-03	5.24	-176.69	2.94	-174.40	20.28
10	49	38	0.03	9.70e-03	-0.13	-0.06	-0.06	0.07	-11.68	-252.35	-14.07	-249.96	23.88
		65	0.02	0.21	-0.04	0.03	0.13	-0.12	-57.51	-246.22	-60.18	-243.55	22.27
		67	0.02	0.05	-0.13	-0.12	0.03	0.05	-83.69	-248.32	-86.61	-245.41	-21.71
		39	0.02	0.08	0.04	0.05	0.07	-0.01	5.65	-176.76	3.39	-174.50	20.18
10	67	38	0.03	2.34e-03	-0.12	-0.02	-0.10	0.04	-5.26	-251.97	-7.09	-250.14	21.17
		65	0.02	0.29	-0.01	0.10	0.17	-0.14	-49.81	-237.53	-51.35	-235.99	16.94
		67	0.02	0.07	-0.10	-0.10	0.07	0.02	-79.23	-242.92	-83.01	-239.13	-24.61
		39	0.02	0.08	-5.70e-03	0.05	0.03	-0.04	7.97	-177.12	5.88	-175.02	19.58
11	1	65	0.04	0.33	-0.17	-0.17	0.33	0.02	-144.19	-391.35	-170.24	-365.30	75.89
		80	0.04	0.12	-0.23	-0.10	-3.15e-03	0.17	-236.84	-444.42	-407.85	-273.41	79.08
		1	0.08	0.20	-1.45e-03	-1.31e-03	0.20	5.26e-03	-737.33	-838.55	-745.35	-830.53	27.34
		67	0.03	0.17	-0.03	0.02	0.12	0.09	20.82	-262.76	19.07	-261.01	22.24
11	18	65	0.03	0.17	-0.27	-0.27	0.16	0.06	-126.09	-311.80	-145.64	-292.25	57.01
		80	0.03	0.09	-0.30	-0.20	-0.01	0.17	-197.89	-353.25	-328.96	-222.18	56.43
		1	0.07	0.17	-9.89e-03	4.10e-03	0.16	0.05	-588.65	-657.27	-593.06	-652.86	16.82
		67	0.02	0.13	-0.09	0.01	0.03	0.11	-3.46	-213.91	-4.54	-212.84	15.01
11	50	65	0.03	0.18	-0.25	-0.24	0.17	0.05	-123.84	-310.14	-143.48	-290.50	57.21
		80	0.03	0.09	-0.28	-0.18	-0.01	0.17	-195.58	-351.56	-326.65	-220.49	57.14
		1	0.07	0.17	-7.26e-03	3.31e-03	0.16	0.04	-585.38	-655.38	-590.04	-650.72	17.46
		67	0.02	0.13	-0.08	0.01	0.04	0.10	-0.51	-212.12	-1.62	-211.01	15.31
11	67	65	0.03	0.25	-0.13	-0.13	0.25	0.01	-110.92	-301.04	-130.95	-281.00	58.38
		80	0.03	0.09	-0.17	-0.08	-2.42e-03	0.13	-182.18	-341.86	-313.73	-210.32	60.83
		1	0.06	0.15	-1.11e-03	-1.01e-03	0.15	4.05e-03	-567.18	-645.04	-573.35	-638.87	21.03
		67	0.02	0.13	-0.02	0.02	0.09	0.07	16.02	-202.13	14.67	-200.78	17.11
12	1	51	0.03	0.15	-0.13	-0.03	0.05	-0.13	-112.65	-318.46	-311.16	-119.95	-38.07
		49	0.04	0.03	-0.55	-0.41	-0.12	0.25	-67.38	-374.23	-374.21	-67.40	-2.52
		70	0.04	0.15	4.44e-03	0.13	0.03	-0.05	-301.41	-425.72	-403.42	-323.71	47.70
		72	0.04	-5.83e-03	-0.40	-0.17	-0.23	0.19	-269.33	-405.12	-292.33	-382.11	50.93
12	22	51	0.02	0.05	-0.12	0.02	-0.09	-0.06	-102.74	-245.43	-239.30	-108.87	-28.93
		49	0.03	0.02	-0.45	-0.26	-0.17	0.23	-64.98	-286.58	-286.54	-65.03	-3.00
		70	0.03	0.12	-0.05	0.12	-0.05	-2.92e-03	-241.49	-332.89	-313.28	-261.11	37.52
		72	0.03	-0.01	-0.44	-0.12	-0.32	0.19	-211.33	-328.74	-228.51	-311.56	41.50
12	54	51	0.02	0.05	-0.11	0.01	-0.07	-0.07	-100.39	-245.34	-239.30	-106.43	-28.97
		49	0.03	0.02	-0.44	-0.26	-0.16	0.22	-62.97	-286.77	-286.73	-63.01	-2.83
		70	0.03	0.12	-0.04	0.12	-0.04	-8.79e-03	-240.04	-332.05	-312.83	-259.26	37.40
		72	0.03	-0.01	-0.41	-0.12	-0.30	0.18	-210.71	-326.18	-227.96	-308.94	41.16
12	67	51	0.02	0.11	-0.10	-0.03	0.04	-0.10	-86.65	-244.97	-239.36	-92.27	-29.28
		49	0.03	0.02	-0.43	-0.32	-0.09	0.19	-51.83	-287.87	-287.86	-51.85	-1.94
		70	0.03	0.12	3.41e-03	0.10	0.02	-0.04	-231.85	-327.48	-310.32	-249.01	36.69
		72	0.03	-4.49e-03	-0.31	-0.13	-0.18	0.15	-207.18	-311.63	-224.87	-293.93	39.18
13	1	45	0.02	5.78e-03	-0.01	3.63e-03	-8.17e-03	5.48e-03	-22.30	-164.22	-74.80	-111.72	-68.52
		26	9.11e-03	0.04	-7.15e-04	1.56e-03	0.03	8.89e-03	-5.42	-88.90	-7.62	-86.71	13.35
		25	0.02	0.04	-0.03	-0.02	0.03	-0.02	8.06	-215.33	7.99	-215.25	4.18
		46	0.03	0.08	-0.05	-0.04	0.07	0.04	-110.15	-326.51	-116.73	-319.94	-37.15
13	20	45	0.01	0.03	-0.12	2.15e-03	-0.10	0.05	-25.50	-129.70	-59.12	-96.07	-48.71
		26	7.46e-03	0.07	-0.05	0.02	5.68e-03	0.06	-2.97	-71.62	-5.80	-68.79	13.65
		25	0.02	0.03	-0.04	-0.01	2.02e-03	0.03	5.47	-167.70	4.96	-167.19	9.36
		46	0.02	0.04	-0.11	-0.05	-0.03	0.08	-89.26	-257.93	-92.19	-255.01	-22.02
13	52	45	0.01	0.02	-0.10	2.23e-03	-0.08	0.05	-24.28	-129.17	-58.88	-94.57	-49.32

		26	7.36e-03	0.06	-0.04	0.01	8.80e-03	0.05	-3.17	-71.13	-5.81	-68.49	13.14
		25	0.02	0.02	-0.03	-0.01	4.68e-03	0.02	5.56	-167.37	5.15	-166.95	8.43
		46	0.02	0.04	-0.10	-0.04	-0.01	0.07	-88.61	-256.88	-91.82	-253.67	-23.01
13	67	45	0.01	4.45e-03	-7.94e-03	2.79e-03	-6.29e-03	4.21e-03	-17.15	-126.32	-57.54	-85.94	-52.70
		26	7.01e-03	0.03	-5.50e-04	1.20e-03	0.03	6.84e-03	-4.17	-68.38	-5.86	-66.70	10.27
		25	0.02	0.03	-0.02	-0.01	0.02	-0.02	6.20	-165.64	6.14	-165.57	3.21
		46	0.02	0.06	-0.04	-0.03	0.05	0.03	-84.73	-251.17	-89.79	-246.10	-28.58
14	1	63	0.03	0.10	-0.17	0.06	-0.13	-0.10	-115.11	-316.45	-118.76	-312.80	26.84
		78	0.04	0.05	-0.15	-0.10	9.63e-03	0.08	-278.50	-371.11	-368.88	-280.74	-14.22
		80	0.04	0.26	-0.21	-0.13	0.18	-0.18	-313.16	-439.93	-435.84	-317.25	22.41
		65	0.04	0.05	-0.47	-0.20	-0.21	0.26	-94.01	-391.37	-133.52	-351.86	100.93
14	14	63	0.02	0.08	-0.17	-0.05	-0.05	-0.13	-99.60	-242.25	-100.95	-240.89	13.86
		78	0.03	0.09	-0.16	-0.16	0.09	0.01	-208.15	-297.04	-292.54	-212.64	-19.47
		80	0.03	0.29	-0.29	-0.22	0.22	-0.19	-240.20	-348.80	-347.90	-241.10	9.84
		65	0.03	-0.03	-0.36	-0.28	-0.11	0.15	-87.61	-299.36	-115.72	-271.25	71.85
14	46	63	0.02	0.08	-0.16	-0.03	-0.05	-0.12	-98.03	-242.41	-99.58	-240.86	14.88
		78	0.03	0.08	-0.15	-0.15	0.08	0.02	-209.12	-295.30	-291.28	-213.14	-18.18
		80	0.03	0.27	-0.27	-0.20	0.21	-0.18	-240.40	-347.17	-346.03	-241.54	10.96
		65	0.03	-0.02	-0.36	-0.26	-0.12	0.16	-85.35	-299.63	-113.82	-271.17	72.72
14	67	63	0.02	0.08	-0.13	0.05	-0.10	-0.08	-88.55	-243.42	-91.35	-240.62	20.65
		78	0.03	0.04	-0.11	-0.08	7.41e-03	0.06	-214.23	-285.47	-283.75	-215.95	-10.94
		80	0.03	0.20	-0.16	-0.10	0.14	-0.14	-240.89	-338.41	-335.26	-244.04	17.24
		65	0.03	0.04	-0.36	-0.16	-0.16	0.20	-72.31	-301.05	-102.70	-270.66	77.64
15	1	62	0.03	0.03	-0.16	-0.11	-0.01	-0.08	-103.64	-320.75	-320.50	-103.89	-7.34
		60	0.04	0.06	-0.31	-0.29	0.04	0.08	-72.12	-363.69	-363.42	-72.40	8.91
		17	0.03	0.06	-0.06	0.04	-0.03	-0.05	0.59	-294.35	-294.32	0.55	-3.09
		16	0.03	0.02	-0.07	-0.06	3.14e-03	0.03	3.77	-315.06	-313.02	1.74	25.39
15	18	62	0.02	-7.40e-03	-0.18	-0.18	-0.01	-0.03	-80.44	-254.65	-254.53	-80.56	-4.55
		60	0.03	0.07	-0.33	-0.31	0.05	0.10	-53.25	-288.06	-287.47	-53.84	11.79
		17	0.02	0.04	0.01	0.04	0.01	-5.48e-03	4.53	-223.40	-223.33	4.46	4.00
		16	0.03	0.05	-0.08	-0.04	0.02	0.06	4.49	-240.54	-238.74	2.69	20.90
15	50	62	0.02	-4.54e-03	-0.17	-0.16	-0.01	-0.03	-80.33	-253.46	-253.33	-80.46	-4.73
		60	0.03	0.07	-0.32	-0.29	0.05	0.09	-53.60	-286.81	-286.29	-54.12	11.07
		17	0.02	0.04	3.15e-03	0.04	5.91e-03	-0.01	3.89	-223.83	-223.79	3.85	3.05
		16	0.03	0.05	-0.07	-0.04	0.01	0.05	4.25	-240.80	-239.03	2.48	20.73
15	67	62	0.02	0.02	-0.12	-0.09	-8.44e-03	-0.06	-79.72	-246.73	-246.54	-79.91	-5.65
		60	0.03	0.04	-0.24	-0.22	0.03	0.06	-55.48	-279.76	-279.55	-55.69	6.85
		17	0.02	0.05	-0.05	0.03	-0.03	-0.04	0.45	-226.42	-226.40	0.43	-2.38
		16	0.03	0.01	-0.06	-0.05	2.41e-03	0.03	2.90	-242.35	-240.79	1.34	19.53
16	1	1	0.08	0.17	-0.04	0.16	-0.03	-0.02	-749.13	-845.44	-831.81	-762.76	33.56
		79	0.04	0.11	-0.19	0.04	-0.12	0.13	-237.14	-441.06	-260.77	-417.43	65.27
		64	0.04	0.28	-0.18	0.28	-0.18	-0.03	-138.22	-391.90	-341.38	-188.74	101.31
		66	0.03	0.15	-0.02	0.13	-1.86e-03	0.05	14.09	-269.52	-259.57	4.14	52.19
16	31	1	0.07	0.15	-0.04	0.15	-0.04	0.03	-598.27	-663.44	-655.76	-605.94	21.01
		79	0.03	0.10	-0.29	0.04	-0.24	0.14	-199.32	-351.16	-214.65	-335.82	45.76
		64	0.03	0.12	-0.28	0.12	-0.28	0.02	-121.75	-312.61	-274.52	-159.83	76.28
		66	0.02	0.10	-0.08	0.04	-0.02	0.08	-8.83	-219.32	-212.52	-15.63	37.23
16	63	1	0.07	0.15	-0.04	0.14	-0.03	0.02	-594.91	-661.42	-653.33	-603.00	21.74
		79	0.03	0.09	-0.27	0.04	-0.21	0.13	-196.83	-349.39	-212.62	-333.60	46.48
		64	0.03	0.13	-0.26	0.13	-0.26	0.01	-119.46	-310.88	-272.67	-157.66	76.51
		66	0.02	0.10	-0.07	0.05	-0.01	0.08	-5.84	-217.50	-210.57	-12.77	37.66
16	67	1	0.06	0.13	-0.03	0.13	-0.03	-0.01	-576.26	-650.34	-639.86	-586.74	25.82
		79	0.03	0.09	-0.15	0.03	-0.09	0.10	-182.41	-339.28	-200.59	-321.10	50.21
		64	0.03	0.22	-0.14	0.21	-0.14	-0.02	-106.32	-301.46	-262.60	-145.19	77.93
		66	0.02	0.11	-0.02	0.10	-1.43e-03	0.04	10.84	-207.33	-199.67	3.18	40.14
17	1	7	0.08	0.31	-0.02	5.91e-03	0.29	0.08	-728.32	-839.19	-730.60	-836.91	15.73
		46	0.03	0.28	-0.02	0.03	0.24	0.11	1.94	-273.47	0.52	-272.05	19.75
		48	0.04	0.46	-0.23	-0.18	0.41	0.18	-136.67	-374.77	-157.20	-354.24	66.84
		69	0.03	0.12	-0.17	-0.09	0.04	0.13	-203.81	-379.87	-292.47	-291.20	88.02
17	3	7	0.07	0.22	-0.05	7.86e-03	0.16	0.11	-582.63	-663.55	-583.31	-662.87	7.36
		46	0.02	0.21	-0.07	0.02	0.11	0.13	-18.20	-222.57	-19.04	-221.73	13.03
		48	0.03	0.29	-0.31	-0.24	0.23	0.18	-118.55	-300.24	-134.72	-284.08	51.72
		69	0.03	0.05	-0.27	-0.17	-0.05	0.15	-178.40	-306.73	-240.50	-244.63	64.13
17	35	7	0.07	0.22	-0.04	7.39e-03	0.17	0.11	-579.24	-660.77	-580.05	-659.96	8.09
		46	0.02	0.21	-0.06	0.02	0.12	0.12	-15.22	-220.71	-16.09	-219.84	13.35
		48	0.03	0.30	-0.29	-0.23	0.24	0.18	-116.50	-298.40	-132.61	-282.28	51.68
		69	0.03	0.06	-0.25	-0.16	-0.03	0.14	-175.15	-304.61	-238.14	-241.62	64.70
17	67	7	0.06	0.24	-0.01	4.55e-03	0.22	0.06	-560.25	-645.53	-562.00	-643.78	12.10
		46	0.02	0.22	-0.02	0.02	0.18	0.08	1.49	-210.36	0.40	-209.27	15.20
		48	0.03	0.36	-0.17	-0.14	0.32	0.14	-105.13	-288.29	-120.93	-272.49	51.42
		69	0.03	0.10	-0.13	-0.07	0.03	0.10	-156.78	-292.20	-224.98	-224.00	67.71
18	1	52	0.03	0.34	-7.78e-03	0.13	0.20	0.17	-66.45	-308.96	-69.03	-306.38	-24.89
		22	0.03	-1.10e-03	-0.13	-0.03	-0.11	-0.05	-7.32	-325.81	-9.54	-323.60	-26.47
		21	0.02	0.10	-2.80e-03	0.06	0.03	0.05	9.96	-229.27	7.10	-226.41	-26.01
		54	0.03	0.09	-0.13	-0.13	0.09	-0.01	-102.09	-318.63	-106.99	-313.73	32.20
18	13	52	0.02	0.33	0.06	0.16	0.23	0.13	-43.14	-227.83	-44.70	-226.28	-16.87

		22	0.03	0.02	-0.16	8.60e-03	-0.15	-0.04	0.20	-252.21	-1.40	-250.61	-20.03
		21	0.02	0.06	-0.05	0.05	-0.04	0.03	11.18	-178.44	8.38	-175.64	-22.87
		54	0.02	0.13	-0.08	-0.08	0.13	-0.02	-74.09	-236.23	-77.55	-232.77	23.44
18	45	52	0.02	0.32	0.05	0.15	0.22	0.13	-44.36	-229.33	-45.98	-227.72	-17.22
		22	0.03	0.02	-0.15	4.14e-03	-0.14	-0.04	-0.69	-251.98	-2.31	-250.36	-20.09
		21	0.02	0.06	-0.04	0.05	-0.03	0.03	10.64	-178.13	7.94	-175.42	-22.43
		54	0.02	0.12	-0.08	-0.08	0.12	-0.01	-74.78	-237.57	-78.28	-234.07	23.61
18	67	52	0.02	0.26	-5.99e-03	0.10	0.15	0.13	-51.12	-237.66	-53.10	-235.68	-19.15
		22	0.03	-8.43e-04	-0.10	-0.02	-0.08	-0.04	-5.63	-250.63	-7.34	-248.92	-20.36
		21	0.02	0.07	-2.15e-03	0.05	0.02	0.04	7.66	-176.36	5.46	-174.16	-20.01
		54	0.02	0.07	-0.10	-0.10	0.07	-0.01	-78.53	-245.10	-82.30	-241.33	24.77
19	1	71	0.03	0.05	-0.15	-0.10	4.49e-03	-0.08	-278.09	-368.75	-362.89	-283.95	22.30
		50	0.03	0.09	-0.17	0.05	-0.13	0.09	-122.47	-314.32	-127.66	-309.13	-31.13
		52	0.04	0.07	-0.45	-0.20	-0.17	-0.26	-98.30	-392.30	-149.53	-341.07	-111.51
		73	0.04	0.24	-0.23	-0.14	0.15	0.18	-312.34	-446.94	-446.57	-312.70	-7.02
19	12	71	0.03	0.08	-0.16	-0.16	0.08	-5.44e-03	-207.05	-296.12	-287.81	-215.36	25.90
		50	0.02	0.08	-0.18	-0.05	-0.05	0.13	-106.93	-241.28	-109.00	-239.21	-16.54
		52	0.03	-9.78e-03	-0.36	-0.28	-0.08	-0.14	-91.22	-300.59	-128.08	-263.73	-79.74
		73	0.03	0.26	-0.31	-0.23	0.18	0.20	-237.66	-356.09	-356.05	-237.69	1.99
19	44	71	0.03	0.07	-0.15	-0.15	0.07	-0.01	-208.12	-294.28	-286.58	-215.82	24.58
		50	0.02	0.07	-0.17	-0.04	-0.06	0.12	-104.97	-241.33	-107.30	-239.00	-17.68
		52	0.03	-3.69e-03	-0.35	-0.26	-0.09	-0.15	-88.90	-300.78	-126.15	-263.53	-80.65
		73	0.03	0.25	-0.29	-0.21	0.17	0.19	-238.11	-354.18	-354.17	-238.12	0.86
19	67	71	0.03	0.04	-0.11	-0.08	3.45e-03	-0.06	-213.91	-283.66	-279.14	-218.42	17.16
		50	0.02	0.07	-0.13	0.04	-0.10	0.07	-94.21	-241.79	-98.20	-237.79	-23.94
		52	0.03	0.05	-0.34	-0.16	-0.13	-0.20	-75.62	-301.77	-115.02	-262.37	-85.78
		73	0.03	0.18	-0.18	-0.11	0.11	0.14	-240.26	-343.80	-343.52	-240.54	-5.40
20	1	60	0.03	0.52	0.03	0.36	0.19	0.23	-48.54	-288.18	-285.33	-51.39	-25.96
		58	0.03	0.13	-0.15	0.12	-0.15	-0.04	-111.36	-316.77	-314.95	-113.19	19.28
		18	0.02	0.18	-0.01	0.07	0.10	0.10	11.58	-227.37	-222.08	6.29	-35.16
		17	0.04	0.01	-0.20	-0.18	-8.41e-03	-0.07	-6.66	-340.10	-333.06	-13.70	-47.94
20	24	60	0.02	0.47	0.09	0.36	0.20	0.17	-30.21	-212.04	-210.21	-32.04	-18.16
		58	0.02	0.16	-0.10	0.15	-0.09	-0.04	-81.18	-235.33	-234.30	-82.22	12.60
		18	0.02	0.12	-0.03	2.45e-03	0.08	0.06	12.83	-176.44	-171.52	7.91	-30.12
		17	0.03	0.03	-0.22	-0.20	0.01	-0.06	-0.56	-263.14	-257.87	-5.84	-36.85
20	56	60	0.02	0.46	0.08	0.35	0.19	0.17	-31.30	-213.43	-211.54	-33.18	-18.42
		58	0.02	0.15	-0.10	0.14	-0.09	-0.04	-81.86	-236.59	-235.50	-82.95	12.95
		18	0.02	0.12	-0.03	9.85e-03	0.08	0.07	12.23	-176.21	-171.43	7.44	-29.65
		17	0.03	0.03	-0.21	-0.19	9.56e-03	-0.06	-1.26	-262.92	-257.62	-6.56	-36.86
20	67	60	0.02	0.40	0.02	0.28	0.14	0.18	-37.34	-221.68	-219.49	-39.53	-19.97
		58	0.02	0.10	-0.12	0.09	-0.11	-0.03	-85.66	-243.67	-242.27	-87.07	14.83
		18	0.02	0.14	-0.01	0.05	0.08	0.07	8.91	-174.90	-170.83	4.84	-27.05
		17	0.03	0.01	-0.16	-0.14	-6.47e-03	-0.05	-5.13	-261.62	-256.20	-10.54	-36.88
21	1	12	3.24e-03	-9.03e-03	-0.02	-0.01	-0.01	-4.20e-03	17.62	-17.92	-1.48	1.18	-17.72
		33	7.62e-03	9.74e-03	-1.77e-03	8.00e-03	-2.53e-05	-4.12e-03	-2.51	-74.01	-68.79	-7.72	18.59
		57	0.01	0.02	-0.04	-7.51e-03	-7.59e-03	-0.03	-42.32	-148.77	-91.23	-99.86	53.05
		34	7.59e-03	0.01	-5.32e-03	-4.06e-03	0.01	-4.55e-03	-2.44	-73.43	-5.17	-70.70	13.65
21	23	12	2.32e-03	0.01	-5.86e-03	-4.12e-03	9.02e-03	5.09e-03	13.61	-11.74	-0.50	2.37	-12.59
		33	5.97e-03	0.03	0.01	0.02	0.03	5.15e-03	2.75	-55.70	-51.55	-1.40	15.01
		57	0.01	0.03	-0.02	-0.01	0.02	-0.02	-28.43	-113.85	-69.55	-72.73	42.68
		34	5.92e-03	0.03	-0.01	-0.01	0.02	4.82e-03	-0.86	-56.27	-3.94	-53.19	12.68
21	55	12	2.34e-03	7.24e-03	-6.11e-03	-4.90e-03	6.03e-03	3.83e-03	13.61	-12.05	-0.59	2.15	-12.75
		33	5.94e-03	0.03	0.01	0.01	0.03	3.89e-03	2.03	-55.89	-51.76	-2.10	14.91
		57	0.01	0.03	-0.02	-0.01	0.02	-0.02	-29.06	-113.94	-69.65	-73.36	42.40
		34	5.90e-03	0.02	-0.01	-0.01	0.02	3.55e-03	-1.03	-56.29	-3.94	-53.37	12.35
21	67	12	2.49e-03	-6.95e-03	-0.01	-9.83e-03	-0.01	-3.23e-03	13.56	-13.79	-1.14	0.91	-13.63
		33	5.87e-03	7.49e-03	-1.36e-03	6.15e-03	-1.95e-05	-3.17e-03	-1.93	-56.93	-52.92	-5.94	14.30
		57	0.01	0.02	-0.03	-5.77e-03	-5.84e-03	-0.02	-32.55	-114.44	-70.18	-76.82	40.81
		34	5.84e-03	9.52e-03	-4.09e-03	-3.12e-03	8.55e-03	-3.50e-03	-1.87	-56.49	-3.97	-54.39	10.50
22	1	68	0.02	9.93e-03	-0.02	-0.02	8.54e-03	-6.22e-03	-18.59	-159.87	-81.66	-96.80	-70.24
		66	0.03	0.08	-0.06	0.04	-0.03	0.06	-111.44	-324.94	-298.52	-137.87	-70.31
		14	0.02	0.04	-0.02	0.04	-0.02	-0.02	8.96	-215.46	-209.97	3.47	-34.66
		13	9.15e-03	0.04	-7.21e-03	0.03	-2.92e-04	0.02	-6.43	-89.41	-89.40	-6.45	-0.99
22	17	68	0.01	0.02	-0.12	-0.12	0.02	0.03	-22.77	-126.13	-73.95	-74.95	-51.68
		66	0.02	0.05	-0.13	-0.06	-0.01	0.08	-90.06	-256.33	-240.28	-106.11	-49.11
		14	0.02	0.03	-0.02	-3.90e-03	0.01	0.02	6.59	-167.90	-165.32	4.02	-21.04
		13	7.40e-03	0.07	-0.04	5.17e-04	0.02	0.05	-3.80	-72.19	-72.12	-3.87	2.16
22	49	68	0.01	0.02	-0.11	-0.10	0.01	0.03	-21.54	-125.64	-72.29	-74.88	-52.03
		66	0.02	0.05	-0.11	-0.05	-0.01	0.08	-89.44	-255.34	-238.67	-106.10	-49.87
		14	0.02	0.02	-0.01	8.73e-04	6.82e-03	0.02	6.62	-167.56	-164.76	3.82	-21.89
		13	7.31e-03	0.06	-0.03	4.50e-03	0.02	0.05	-3.99	-71.68	-71.64	-4.03	1.72
22	67	68	0.01	7.64e-03	-0.01	-0.01	6.57e-03	-4.78e-03	-14.30	-122.98	-62.82	-74.46	-54.03
		66	0.02	0.06	-0.05	0.03	-0.02	0.05	-85.73	-249.95	-229.63	-106.05	-54.08
		14	0.02	0.03	-0.02	0.03	-0.01	-0.02	6.89	-165.74	-161.52	2.67	-26.66
		13	7.04e-03	0.03	-5.55e-03	0.03	-2.25e-04	0.01	-4.95	-68.78	-68.77	-4.96	-0.76
23	1	40	7.53e-03	0.01	-8.11e-04	-3.60e-04	0.01	2.51e-03	-2.77	-73.07	-5.54	-70.31	-13.67

		68	0.01	0.02	-0.04	-0.01	-5.01e-03	0.03	-40.27	-145.08	-87.67	-97.68	-52.16
		13	7.62e-03	0.01	-5.67e-04	0.01	1.36e-03	4.69e-03	-2.54	-73.87	-68.72	-7.69	-18.46
		9	3.28e-03	-8.60e-03	-0.02	-0.01	-0.01	3.27e-03	18.14	-17.91	-0.96	1.19	17.99
23	4	40	5.87e-03	0.03	0.02	0.03	0.02	-4.88e-03	2.53	-54.97	0.35	-52.79	-10.98
		68	0.01	0.03	-0.02	0.02	-0.01	0.02	-26.85	-111.15	-63.13	-74.87	-41.74
		13	5.95e-03	0.03	-0.01	0.03	-0.01	-3.20e-03	-1.12	-56.72	-51.44	-6.41	-16.31
		9	2.36e-03	0.01	-5.32e-03	0.01	-4.12e-03	-4.30e-03	14.03	-11.79	0.81	1.43	12.91
23	36	40	5.85e-03	0.03	0.02	0.03	0.02	-3.85e-03	1.81	-55.16	-0.36	-52.99	-10.91
		68	0.01	0.02	-0.02	0.02	-0.01	0.02	-27.49	-111.22	-63.80	-74.91	-41.50
		13	5.93e-03	0.02	-8.82e-03	0.02	-8.67e-03	-2.17e-03	-1.25	-56.72	-51.65	-6.33	-15.99
		9	2.38e-03	7.92e-03	-5.57e-03	7.07e-03	-4.72e-03	-3.27e-03	14.02	-12.09	0.57	1.36	13.05
23	67	40	5.79e-03	0.01	-6.24e-04	-2.77e-04	0.01	1.93e-03	-2.13	-56.21	-4.26	-54.08	-10.51
		68	0.01	0.02	-0.03	-7.98e-03	-3.85e-03	0.02	-30.98	-111.60	-67.44	-75.14	-40.13
		13	5.86e-03	9.83e-03	-4.36e-04	8.34e-03	1.05e-03	3.61e-03	-1.95	-56.82	-52.86	-5.91	-14.20
		9	2.52e-03	-6.61e-03	-0.01	-9.83e-03	-8.58e-03	2.51e-03	13.95	-13.78	-0.74	0.92	13.84
24	1	72	0.04	0.07	-0.23	-0.21	0.06	0.07	-287.98	-459.22	-380.45	-366.75	85.35
		70	0.03	0.08	-0.35	-0.35	0.08	0.02	-168.83	-351.35	-346.22	-173.96	30.16
		7	0.09	0.21	-0.14	0.13	-0.06	0.15	-775.40	-913.30	-790.51	-898.20	43.07
		85	0.05	0.05	-0.08	-0.08	0.04	0.02	-258.26	-509.64	-259.33	-508.58	16.33
24	6	72	0.03	-0.04	-0.28	-0.23	-0.09	0.10	-231.25	-360.67	-299.60	-292.32	64.61
		70	0.03	0.05	-0.34	-0.33	0.04	0.06	-148.94	-277.20	-273.82	-152.32	20.53
		7	0.07	0.26	-0.15	0.18	-0.08	0.16	-616.36	-715.93	-623.95	-708.35	26.42
		85	0.04	0.02	-0.12	-0.01	-0.09	0.06	-212.24	-402.40	-212.60	-402.04	8.27
24	38	72	0.03	-0.02	-0.27	-0.22	-0.07	0.10	-229.80	-359.59	-298.57	-290.82	64.78
		70	0.03	0.05	-0.33	-0.32	0.04	0.06	-146.06	-276.15	-272.69	-149.52	20.95
		7	0.07	0.24	-0.15	0.17	-0.07	0.15	-613.35	-713.84	-621.50	-705.69	27.44
		85	0.04	0.01	-0.10	-0.02	-0.07	0.05	-210.22	-400.86	-210.63	-400.44	8.93
24	67	72	0.03	0.06	-0.18	-0.16	0.04	0.06	-221.52	-353.24	-292.65	-282.11	65.65
		70	0.03	0.06	-0.27	-0.27	0.06	0.02	-129.87	-270.27	-266.32	-133.81	23.20
		7	0.07	0.16	-0.11	0.10	-0.04	0.11	-596.47	-702.54	-608.09	-690.92	33.13
		85	0.04	0.04	-0.06	-0.06	0.03	0.01	-198.66	-392.03	-199.48	-391.21	12.56
25	1	80	0.04	0.17	-0.10	0.08	-0.02	0.12	-207.75	-401.47	-364.17	-245.05	-76.38
		84	0.04	0.11	-0.18	0.08	-0.15	-0.09	-320.81	-467.63	-378.68	-409.76	-71.75
		43	0.04	0.13	-0.16	0.08	-0.12	0.11	-244.18	-388.02	-245.84	-386.36	-15.37
		1	0.09	0.26	-0.25	0.14	-0.13	-0.22	-737.75	-882.23	-773.26	-846.72	-62.21
25	28	80	0.03	0.06	-0.05	0.05	-0.04	0.03	-174.85	-313.49	-286.25	-202.09	-55.09
		84	0.03	0.09	-0.28	0.03	-0.23	-0.13	-251.01	-366.61	-295.55	-322.07	-56.26
		43	0.03	0.09	-0.22	0.09	-0.22	0.02	-201.83	-303.80	-203.44	-302.18	-12.72
		1	0.07	0.28	-0.26	0.15	-0.14	-0.23	-586.63	-689.61	-610.22	-666.02	-43.28
25	60	80	0.03	0.07	-0.05	0.06	-0.04	0.04	-172.57	-312.84	-285.36	-200.05	-55.67
		84	0.03	0.09	-0.26	0.04	-0.21	-0.12	-250.32	-365.58	-294.89	-321.01	-56.13
		43	0.03	0.09	-0.21	0.09	-0.20	0.03	-199.69	-302.99	-201.25	-301.43	-12.60
		1	0.07	0.26	-0.25	0.14	-0.13	-0.22	-583.67	-687.83	-607.79	-663.72	-43.94
25	67	80	0.03	0.13	-0.08	0.06	-0.01	0.09	-159.81	-308.82	-280.13	-188.50	-58.76
		84	0.03	0.09	-0.14	0.06	-0.12	-0.07	-246.78	-359.72	-291.29	-315.20	-55.19
		43	0.03	0.10	-0.12	0.06	-0.09	0.08	-187.83	-298.48	-189.11	-297.20	-11.82
		1	0.07	0.20	-0.19	0.11	-0.10	-0.17	-567.50	-678.64	-594.82	-651.32	-47.85
26	1	56	0.01	0.02	-0.04	-0.01	-2.14e-03	-0.03	-42.15	-148.64	-91.59	-99.20	53.11
		20	7.63e-03	8.77e-03	-1.11e-03	-4.02e-05	7.69e-03	-3.08e-03	-2.46	-74.07	-5.25	-71.29	13.84
		10	3.24e-03	-8.69e-03	-0.02	-0.01	-0.01	-4.12e-03	17.62	-17.93	-1.49	1.18	-17.73
		19	7.60e-03	0.01	-5.71e-03	0.01	-3.81e-03	-5.52e-03	-2.41	-73.59	-68.45	-7.55	18.43
26	13	56	0.01	0.05	-0.05	0.04	-0.04	-0.02	-29.65	-114.13	-64.09	-79.69	41.52
		20	6.17e-03	0.06	1.97e-03	0.06	1.97e-03	-4.35e-05	4.74	-55.49	3.32	-54.07	9.15
		10	2.42e-03	0.01	-0.02	0.01	-0.02	-8.47e-04	13.74	-12.94	0.49	0.31	-13.34
		19	5.94e-03	0.03	-0.05	0.03	-0.05	-1.92e-03	-4.76	-57.61	-51.68	-10.69	16.68
26	45	56	0.01	0.04	-0.04	0.03	-0.04	-0.02	-30.10	-114.13	-65.06	-79.17	41.42
		20	6.11e-03	0.05	2.50e-03	0.05	2.51e-03	-3.96e-04	3.71	-55.71	2.20	-54.19	9.37
		10	2.43e-03	0.01	-0.02	0.01	-0.02	-1.20e-03	13.71	-13.07	0.25	0.40	-13.39
		19	5.92e-03	0.02	-0.05	0.02	-0.05	-2.27e-03	-4.35	-57.42	-51.83	-9.95	16.30
26	67	56	0.01	0.02	-0.03	-0.01	-1.64e-03	-0.02	-32.42	-114.34	-70.45	-76.31	40.85
		20	5.87e-03	6.74e-03	-8.58e-04	-3.09e-05	5.92e-03	-2.37e-03	-1.90	-56.98	-4.04	-54.84	10.64
		10	2.49e-03	-6.68e-03	-0.01	-0.01	-8.93e-03	-3.17e-03	13.55	-13.80	-1.15	0.91	-13.64
		19	5.85e-03	9.35e-03	-4.40e-03	7.88e-03	-2.93e-03	-4.25e-03	-1.85	-56.61	-52.65	-5.81	14.18
27	1	50	0.03	-0.02	-0.09	-0.03	-0.08	-0.02	-111.67	-317.52	-113.17	-316.01	-17.53
		23	0.03	0.03	-0.01	0.02	-2.58e-03	0.02	2.46	-312.68	2.46	-312.67	-1.20
		22	0.03	0.08	-0.04	-0.03	0.07	-0.03	3.25	-296.26	1.21	-294.22	-24.67
		52	0.03	0.06	-0.20	0.05	-0.19	0.06	-93.42	-356.66	-94.68	-355.40	-18.23
27	14	50	0.02	8.97e-03	-0.18	8.65e-03	-0.18	-7.75e-03	-82.87	-252.05	-84.40	-250.52	-16.03
		23	0.03	0.07	-0.05	0.06	-0.04	0.02	6.56	-237.85	6.55	-237.84	-1.59
		22	0.02	0.04	0.01	0.04	0.02	-0.01	10.75	-224.24	9.65	-223.15	-16.02
		52	0.03	0.09	-0.27	0.08	-0.26	0.06	-65.28	-280.59	-66.02	-279.85	-12.60
27	46	50	0.02	4.41e-03	-0.16	3.88e-03	-0.16	-9.39e-03	-83.33	-250.85	-84.80	-249.38	-15.62
		23	0.03	0.06	-0.04	0.05	-0.03	0.02	5.86	-238.25	5.85	-238.25	-1.47
		22	0.02	0.04	0.01	0.03	0.02	-0.01	9.48	-224.79	8.32	-223.63	-16.46
		52	0.03	0.08	-0.25	0.07	-0.24	0.05	-66.29	-279.63	-67.06	-278.85	-12.82
27	67	50	0.02	-0.02	-0.07	-0.02	-0.06	-0.02	-85.90	-244.24	-87.05	-243.09	-13.48

		23	0.03	0.02	-9.84e-03	0.01	-1.98e-03	0.01	1.90	-240.52	1.89	-240.52	-0.92
		22	0.02	0.06	-0.03	-0.02	0.06	-0.02	2.50	-227.89	0.93	-226.32	-18.97
		52	0.03	0.05	-0.16	0.04	-0.15	0.05	-71.86	-274.36	-72.83	-273.38	-14.02
28	1	57	0.02	0.05	7.94e-03	0.05	0.01	0.02	-81.98	-201.64	-120.77	-162.85	56.01
		55	0.03	0.15	0.02	0.15	0.03	0.02	8.05	-272.25	-215.68	-48.52	112.50
		5	0.08	0.05	-0.10	-0.04	-0.01	-0.07	-667.50	-819.27	-719.36	-767.42	71.98
		59	0.03	0.13	0.03	0.07	0.08	0.05	-1.66	-268.20	-8.14	-261.72	41.05
28	30	57	0.02	-0.03	-0.12	-0.04	-0.11	0.03	-73.83	-165.81	-101.34	-138.30	42.11
		55	0.02	0.08	-0.02	0.06	-1.65e-03	0.03	-15.38	-221.08	-177.07	-59.39	84.36
		5	0.06	-0.01	-0.08	-0.04	-0.05	-0.04	-533.53	-643.39	-566.86	-610.07	50.50
		59	0.02	0.06	-0.10	0.03	-0.07	0.06	-13.95	-216.55	-17.78	-212.71	27.62
28	62	57	0.02	-0.02	-0.10	-0.03	-0.09	0.03	-72.23	-164.23	-100.09	-136.37	42.28
		55	0.02	0.08	-0.01	0.07	1.74e-03	0.03	-12.13	-219.29	-175.38	-56.04	84.66
		5	0.06	-3.08e-03	-0.08	-0.04	-0.05	-0.04	-530.50	-641.35	-564.79	-607.06	51.24
		59	0.02	0.06	-0.08	0.03	-0.05	0.05	-12.11	-215.00	-16.12	-210.99	28.23
28	67	57	0.01	0.04	6.11e-03	0.04	0.01	0.01	-63.06	-155.11	-92.90	-125.27	43.09
		55	0.02	0.11	0.02	0.11	0.02	0.01	6.19	-209.42	-165.91	-37.32	86.54
		5	0.06	0.04	-0.08	-0.03	-8.05e-03	-0.06	-513.46	-630.21	-553.35	-590.32	55.37
		59	0.02	0.10	0.02	0.06	0.06	0.04	-1.28	-206.31	-6.26	-201.32	31.58
29	1	61	0.04	0.02	-0.54	-0.19	-0.33	-0.27	-66.91	-377.30	-75.18	-369.03	-49.99
		76	0.04	0.19	0.01	0.05	0.15	0.07	-296.99	-424.66	-337.79	-383.85	-59.53
		78	0.04	8.16e-03	-0.34	-0.25	-0.09	-0.15	-270.39	-397.19	-391.31	-276.27	-26.68
		63	0.03	0.14	-0.11	0.09	-0.07	0.09	-111.14	-321.12	-111.14	-321.11	1.00
29	9	61	0.03	0.01	-0.44	-0.23	-0.20	-0.23	-64.06	-289.61	-69.90	-283.77	-35.82
		76	0.03	0.17	-0.04	-0.03	0.16	0.04	-237.17	-330.32	-271.46	-296.04	-44.93
		78	0.03	0.02	-0.39	-0.34	-0.03	-0.13	-210.32	-320.34	-316.74	-213.92	-19.58
		63	0.02	0.02	-0.10	-0.07	-0.01	0.06	-100.37	-247.58	-100.44	-247.51	3.23
29	41	61	0.03	0.01	-0.43	-0.21	-0.21	-0.22	-62.13	-289.71	-68.05	-283.79	-36.22
		76	0.03	0.17	-0.03	-0.02	0.16	0.04	-235.87	-329.74	-269.69	-295.92	-45.06
		78	0.03	0.02	-0.37	-0.31	-0.04	-0.13	-209.98	-318.11	-314.38	-213.70	-19.72
		63	0.02	0.03	-0.09	-0.04	-0.02	0.06	-98.17	-247.49	-98.22	-247.44	2.85
29	67	61	0.03	0.02	-0.42	-0.14	-0.25	-0.21	-51.47	-290.23	-57.83	-283.87	-38.45
		76	0.03	0.14	8.66e-03	0.04	0.11	0.06	-228.45	-326.66	-259.84	-295.27	-45.79
		78	0.03	6.27e-03	-0.26	-0.19	-0.07	-0.12	-207.99	-305.53	-301.01	-212.52	-20.52
		63	0.02	0.10	-0.09	0.07	-0.05	0.07	-85.49	-247.01	-85.49	-247.01	0.77
30	1	42	0.04	0.08	3.00e-03	3.68e-03	0.08	7.38e-03	-343.16	-478.01	-452.68	-368.49	52.67
		82	0.04	0.07	0.02	0.02	0.06	-0.02	-305.28	-401.69	-313.52	-393.44	26.95
		44	0.04	0.03	0.02	0.02	0.03	6.70e-03	-347.24	-356.66	-354.14	-349.76	-4.17
		84	0.04	0.09	-7.04e-04	0.03	0.06	-0.05	-301.11	-409.74	-408.59	-302.27	-11.14
30	11	42	0.03	0.13	-0.03	-0.02	0.12	0.04	-257.77	-370.82	-350.35	-278.24	43.53
		82	0.03	0.06	-0.02	-0.02	0.06	0.02	-237.50	-308.60	-244.52	-301.58	21.21
		44	0.03	0.04	-0.08	-0.06	0.02	0.04	-267.59	-282.21	-280.99	-268.81	-4.04
		84	0.03	0.10	-0.05	-0.05	0.10	-4.83e-03	-228.02	-324.19	-323.63	-228.58	-7.30
30	43	42	0.03	0.12	-0.03	-0.02	0.12	0.03	-258.72	-370.36	-350.05	-279.03	43.06
		82	0.03	0.06	-0.02	-0.01	0.06	0.01	-237.12	-308.65	-244.04	-301.74	21.14
		44	0.03	0.03	-0.06	-0.05	0.02	0.03	-267.58	-280.99	-279.73	-268.85	-3.92
		84	0.03	0.09	-0.04	-0.04	0.09	-9.41e-03	-228.58	-322.76	-322.16	-229.18	-7.49
30	67	42	0.03	0.07	2.31e-03	2.83e-03	0.06	5.68e-03	-263.97	-367.70	-348.22	-283.45	40.51
		82	0.03	0.05	0.01	0.02	0.05	-0.01	-234.83	-308.99	-241.17	-302.65	20.73
		44	0.03	0.02	0.01	0.02	0.02	5.15e-03	-267.11	-274.35	-272.41	-269.04	-3.21
		84	0.03	0.07	-5.41e-04	0.02	0.05	-0.03	-231.62	-315.19	-314.30	-232.51	-8.57
31	1	37	0.03	0.03	-0.04	0.02	-0.03	-0.02	2.49	-315.15	2.46	-315.11	-3.15
		63	0.03	-0.02	-0.09	-0.02	-0.09	0.01	-105.61	-319.07	-106.53	-318.15	14.02
		65	0.03	0.07	-0.22	0.05	-0.20	-0.08	-88.83	-356.50	-89.43	-355.90	12.64
		38	0.03	0.07	-0.03	-0.02	0.06	0.03	2.40	-297.01	0.81	-295.43	21.72
31	8	37	0.03	0.08	-0.06	0.06	-0.05	-0.04	6.74	-239.69	6.70	-239.66	-3.04
		63	0.02	0.01	-0.18	0.01	-0.18	-8.67e-03	-78.55	-253.27	-79.29	-252.52	11.42
		65	0.03	0.09	-0.28	0.07	-0.26	-0.08	-62.81	-281.08	-63.00	-280.90	6.31
		38	0.02	0.04	0.02	0.03	0.02	4.15e-03	9.03	-224.80	8.38	-224.15	12.28
31	40	37	0.03	0.07	-0.05	0.06	-0.04	-0.03	6.01	-240.11	5.97	-240.07	-2.96
		63	0.02	9.78e-03	-0.16	9.59e-03	-0.16	-5.61e-03	-78.95	-252.09	-79.70	-251.35	11.33
		65	0.03	0.09	-0.26	0.07	-0.25	-0.08	-63.66	-280.02	-63.88	-279.81	6.83
		38	0.02	0.03	0.02	0.03	0.03	7.22e-03	7.92	-225.34	7.20	-224.62	12.94
31	67	37	0.03	0.02	-0.03	0.02	-0.02	-0.02	1.92	-242.42	1.89	-242.40	-2.43
		63	0.02	-0.01	-0.07	-0.02	-0.07	0.01	-81.24	-245.44	-81.95	-244.73	10.78
		65	0.03	0.06	-0.17	0.04	-0.15	-0.06	-68.33	-274.23	-68.79	-273.77	9.72
		38	0.02	0.06	-0.03	-0.02	0.05	0.02	1.84	-228.47	0.63	-227.25	16.71
32	1	58	0.03	0.08	-0.05	0.06	-0.02	-0.05	-106.03	-322.75	-301.12	-127.66	64.96
		56	0.02	3.63e-03	-0.02	-0.02	3.56e-03	-1.14e-03	-19.75	-163.94	-88.46	-95.24	72.02
		19	9.13e-03	0.04	3.23e-03	0.03	9.75e-03	-0.01	-5.59	-89.21	-89.19	-5.60	-1.03
		18	0.02	0.04	-0.04	0.03	-0.03	0.02	7.74	-215.36	-210.98	3.37	30.92
32	12	58	0.02	0.06	-0.11	-0.04	-1.34e-03	-0.08	-83.33	-252.70	-239.96	-96.08	44.68
		56	0.01	0.06	-0.11	-0.09	0.05	-0.04	-20.88	-124.70	-76.26	-69.32	51.80
		19	7.78e-03	0.09	-0.05	-0.02	0.06	-0.05	0.56	-72.01	-71.81	0.37	-3.79
		18	0.02	0.01	-0.05	-0.03	-4.42e-03	-0.03	7.34	-168.24	-166.16	5.27	18.97
32	44	58	0.02	0.06	-0.09	-0.03	-4.00e-03	-0.08	-83.10	-252.01	-238.71	-96.40	45.49

		56	0.01	0.05	-0.09	-0.08	0.04	-0.04	-20.06	-124.88	-75.02	-69.92	52.34
		19	7.63e-03	0.08	-0.04	-0.01	0.05	-0.05	-0.19	-71.51	-71.35	-0.35	-3.34
		18	0.02	8.04e-03	-0.04	-0.02	-7.26e-03	-0.02	7.11	-167.84	-165.59	4.86	19.71
32	67	58	0.02	0.06	-0.04	0.04	-0.02	-0.04	-81.56	-248.27	-231.63	-98.20	49.97
		56	0.01	2.79e-03	-0.01	-0.01	2.74e-03	-8.77e-04	-15.19	-126.11	-68.04	-73.26	55.40
		19	7.02e-03	0.03	2.48e-03	0.02	7.50e-03	-0.01	-4.30	-68.62	-68.61	-4.31	-0.80
		18	0.02	0.03	-0.03	0.02	-0.02	0.02	5.95	-165.66	-162.30	2.59	23.78
33	1	41	0.04	0.12	-0.04	-0.03	0.12	-0.03	-233.62	-459.34	-235.72	-457.23	-21.70
		3	0.08	0.23	-0.11	0.18	-0.05	-0.13	-736.57	-870.86	-744.76	-862.66	-32.15
		75	0.03	0.09	-0.27	-0.26	0.09	-0.05	-181.90	-354.39	-335.87	-200.42	-53.40
		77	0.04	0.11	-0.16	-0.12	0.08	-0.09	-296.18	-413.92	-334.39	-375.70	-55.12
33	13	41	0.03	0.07	-0.07	0.02	-0.02	-0.06	-192.86	-362.53	-194.20	-361.19	-15.03
		3	0.07	0.26	-0.14	0.21	-0.09	-0.14	-584.30	-680.83	-588.53	-676.60	-19.78
		75	0.03	0.06	-0.27	-0.24	0.03	-0.08	-156.36	-277.36	-264.24	-169.48	-37.63
		77	0.03	0.02	-0.21	-0.14	-0.05	-0.11	-235.29	-325.57	-263.53	-297.33	-41.86
33	45	41	0.03	0.06	-0.05	0.01	-2.87e-03	-0.06	-190.87	-361.09	-192.25	-359.71	-15.26
		3	0.07	0.25	-0.13	0.20	-0.08	-0.13	-581.58	-679.16	-586.10	-674.63	-20.51
		75	0.03	0.06	-0.26	-0.24	0.04	-0.07	-153.87	-276.65	-263.34	-167.17	-38.16
		77	0.03	0.03	-0.20	-0.13	-0.03	-0.10	-234.13	-324.50	-262.54	-296.09	-41.95
33	67	41	0.03	0.09	-0.03	-0.03	0.09	-0.02	-179.70	-353.34	-181.32	-351.72	-16.69
		3	0.07	0.18	-0.08	0.14	-0.04	-0.10	-566.59	-669.89	-572.89	-663.58	-24.73
		75	0.03	0.07	-0.21	-0.20	0.07	-0.04	-139.92	-272.61	-258.37	-154.17	-41.08
		77	0.03	0.09	-0.12	-0.09	0.06	-0.07	-227.83	-318.40	-257.23	-289.00	-42.40
34	1	83	0.04	0.17	0.03	0.06	0.14	0.06	-274.96	-415.85	-279.86	-410.95	-25.82
		41	0.05	0.12	-0.11	0.06	-0.05	-0.10	-346.92	-494.95	-349.57	-492.29	19.64
		77	0.03	0.23	7.13e-03	0.07	0.16	0.10	-247.29	-336.71	-247.72	-336.29	-6.15
		79	0.04	0.16	-0.10	0.10	-0.04	-0.11	-325.00	-452.25	-325.92	-451.33	10.76
34	27	83	0.03	1.93e-03	-0.05	-0.04	-2.86e-03	-0.01	-213.96	-329.24	-222.21	-321.00	-29.71
		41	0.04	0.08	-0.20	-0.03	-0.10	-0.13	-275.04	-386.03	-275.98	-385.09	10.19
		77	0.03	0.18	0.13	0.18	0.13	0.02	-183.57	-265.86	-184.26	-265.17	-7.50
		79	0.03	0.25	-0.13	0.19	-0.06	-0.14	-243.56	-350.12	-243.57	-350.12	0.70
34	59	83	0.03	0.01	-0.03	-0.03	0.01	-6.02e-03	-213.69	-327.74	-221.16	-320.28	-28.21
		41	0.04	0.08	-0.18	-0.02	-0.09	-0.13	-273.83	-385.34	-274.91	-384.26	10.93
		77	0.03	0.17	0.12	0.16	0.13	0.03	-184.58	-264.80	-185.21	-264.16	-7.08
		79	0.03	0.23	-0.12	0.17	-0.06	-0.13	-244.62	-349.84	-244.65	-349.81	1.84
34	67	83	0.03	0.13	0.02	0.04	0.10	0.04	-211.51	-319.88	-215.28	-316.11	-19.86
		41	0.04	0.09	-0.08	0.04	-0.04	-0.08	-266.86	-380.73	-268.90	-378.69	15.11
		77	0.02	0.17	5.49e-03	0.05	0.13	0.08	-190.22	-259.01	-190.55	-258.68	-4.73
		79	0.03	0.12	-0.07	0.07	-0.03	-0.08	-250.00	-347.88	-250.71	-347.18	8.28
35	1	46	0.03	0.09	-0.15	-0.14	0.08	0.05	-113.77	-322.96	-120.71	-316.02	-37.46
		25	0.02	0.16	-2.91e-03	0.08	0.08	-0.08	11.54	-227.74	10.30	-226.50	17.19
		24	0.04	0.01	-0.18	-7.59e-03	-0.16	0.06	-5.90	-335.19	-7.31	-333.78	21.53
		48	0.03	0.47	0.03	0.15	0.35	-0.19	-62.05	-298.87	-62.55	-298.37	10.86
35	6	46	0.02	0.13	-0.09	-0.08	0.13	0.04	-82.20	-239.08	-87.15	-234.12	-27.43
		25	0.02	0.09	-0.05	0.06	-0.02	-0.06	12.92	-177.17	11.57	-175.83	15.94
		24	0.03	0.03	-0.21	0.02	-0.20	0.04	1.12	-259.59	0.19	-258.65	15.60
		48	0.02	0.45	0.10	0.18	0.36	-0.15	-39.25	-218.17	-39.44	-217.98	5.77
35	38	46	0.02	0.12	-0.09	-0.08	0.12	0.04	-83.02	-240.48	-88.02	-235.48	-27.61
		25	0.02	0.10	-0.04	0.06	-5.87e-03	-0.06	12.30	-176.87	11.02	-175.59	15.52
		24	0.03	0.03	-0.20	0.02	-0.19	0.04	0.26	-259.33	-0.70	-258.37	15.75
		48	0.02	0.43	0.09	0.17	0.35	-0.15	-40.55	-219.97	-40.76	-219.76	6.16
35	67	46	0.02	0.07	-0.11	-0.11	0.07	0.04	-87.52	-248.43	-92.86	-243.09	-28.81
		25	0.02	0.12	-2.24e-03	0.06	0.06	-0.06	8.88	-175.18	7.92	-174.23	13.22
		24	0.03	8.05e-03	-0.14	-5.84e-03	-0.12	0.04	-4.54	-257.84	-5.62	-256.75	16.56
		48	0.02	0.36	0.02	0.12	0.27	-0.15	-47.73	-229.90	-48.12	-229.51	8.35
36	1	30	0.03	0.03	-0.05	-0.02	1.80e-03	-0.04	2.98	-311.03	-308.79	0.74	-26.43
		29	0.03	0.10	-0.05	0.08	-0.02	0.05	0.84	-292.08	-292.03	0.79	3.86
		49	0.04	0.06	-0.32	-0.30	0.04	-0.09	-71.20	-361.46	-361.19	-71.47	-8.87
		51	0.03	0.03	-0.16	-0.12	-0.01	0.08	-103.61	-320.00	-319.79	-103.82	6.65
36	29	30	0.03	0.07	-0.07	-0.05	0.05	-0.05	6.52	-236.90	-235.14	4.76	-20.63
		29	0.02	0.04	8.15e-03	0.03	0.02	0.02	7.05	-221.42	-221.41	7.04	-1.38
		49	0.03	0.08	-0.36	-0.34	0.06	-0.09	-49.99	-285.20	-284.75	-50.44	-10.32
		51	0.02	0.03	-0.20	-0.20	0.02	0.04	-77.35	-253.17	-253.00	-77.52	5.40
36	61	30	0.03	0.06	-0.07	-0.04	0.04	-0.05	5.88	-237.26	-235.50	4.13	-20.60
		29	0.02	0.04	2.61e-03	0.03	0.02	0.02	6.07	-221.90	-221.90	6.06	-0.73
		49	0.03	0.07	-0.35	-0.33	0.05	-0.09	-50.72	-284.10	-283.69	-51.13	-9.80
		51	0.02	0.02	-0.19	-0.18	0.02	0.04	-77.71	-252.09	-251.93	-77.87	5.36
36	67	30	0.03	0.03	-0.04	-0.02	1.38e-03	-0.03	2.29	-239.25	-237.53	0.57	-20.33
		29	0.02	0.08	-0.04	0.06	-0.02	0.04	0.65	-224.68	-224.64	0.61	2.97
		49	0.03	0.05	-0.25	-0.23	0.03	-0.07	-54.77	-278.05	-277.84	-54.98	-6.82
		51	0.02	0.02	-0.12	-0.09	-9.88e-03	0.06	-79.70	-246.15	-245.99	-79.86	5.11
37	1	44	0.04	0.03	0.02	0.03	0.02	3.75e-03	-348.62	-356.43	-350.41	-354.65	-3.28
		81	0.04	0.07	0.03	0.07	0.04	-0.01	-306.58	-403.33	-394.96	-314.95	27.19
		41	0.04	0.07	-0.01	0.07	-0.01	4.83e-03	-338.39	-475.37	-358.54	-455.22	48.52
		83	0.04	0.10	-2.40e-03	0.06	0.04	-0.05	-300.60	-415.59	-303.57	-412.62	-18.26
37	26	44	0.03	0.03	-0.04	0.03	-0.04	4.96e-03	-266.36	-282.56	-269.59	-279.34	-6.47

		81	0.03	0.05	-0.04	0.05	-0.04	-6.79e-03	-243.01	-310.02	-304.27	-248.76	18.77
		41	0.03	0.12	-0.07	0.12	-0.07	5.78e-03	-258.03	-369.02	-271.16	-355.89	35.85
		83	0.03	0.11	-0.02	0.10	-0.01	-0.04	-225.60	-326.23	-229.01	-322.82	-18.20
37	58	44	0.03	0.03	-0.03	0.03	-0.03	4.58e-03	-266.63	-281.23	-269.58	-278.27	-5.87
		81	0.03	0.05	-0.03	0.05	-0.03	-7.17e-03	-241.94	-310.05	-304.20	-247.79	19.09
		41	0.03	0.11	-0.06	0.11	-0.06	5.41e-03	-258.42	-368.48	-271.87	-355.03	36.04
		83	0.03	0.11	-0.02	0.09	-5.54e-03	-0.04	-226.46	-325.16	-229.69	-321.93	-17.56
37	67	44	0.03	0.02	0.01	0.02	0.01	2.89e-03	-268.17	-274.18	-269.55	-272.80	-2.52
		81	0.03	0.06	0.03	0.05	0.03	-8.86e-03	-235.83	-310.25	-303.82	-242.27	20.92
		41	0.03	0.06	-8.10e-03	0.06	-7.89e-03	3.72e-03	-260.30	-365.67	-275.80	-350.17	37.32
		83	0.03	0.08	-1.84e-03	0.04	0.03	-0.04	-231.23	-319.69	-233.52	-317.40	-14.04
38	1	78	0.03	0.25	8.18e-03	0.06	0.21	0.10	-247.77	-347.96	-313.36	-282.36	-47.64
		42	0.05	0.11	-0.11	0.06	-0.06	-0.09	-353.09	-499.94	-482.26	-370.77	-47.78
		84	0.04	0.19	0.02	0.06	0.15	0.07	-274.72	-406.85	-354.26	-327.31	-64.68
		80	0.04	0.18	-0.11	0.12	-0.05	-0.12	-317.60	-449.74	-416.53	-350.81	-57.32
38	17	78	0.03	0.27	0.02	0.03	0.26	0.05	-183.58	-274.98	-244.42	-214.14	-43.12
		42	0.04	0.05	-0.17	-7.28e-04	-0.12	-0.10	-279.97	-389.22	-376.30	-292.88	-35.27
		84	0.03	0.09	-0.02	0.08	-0.01	0.03	-215.77	-312.95	-267.07	-261.65	-48.51
		80	0.03	0.22	-0.06	0.15	0.01	-0.12	-235.76	-345.28	-312.64	-268.41	-50.10
38	49	78	0.03	0.25	0.02	0.03	0.24	0.05	-184.65	-273.86	-243.90	-214.61	-42.13
		42	0.04	0.06	-0.16	6.74e-03	-0.11	-0.09	-278.71	-388.65	-375.60	-291.76	-35.56
		84	0.03	0.09	-6.65e-03	0.07	6.80e-03	0.03	-215.17	-312.89	-267.91	-260.16	-48.71
		80	0.03	0.21	-0.06	0.14	4.99e-03	-0.12	-237.10	-345.48	-313.91	-268.67	-49.24
38	67	78	0.03	0.20	6.29e-03	0.04	0.16	0.07	-190.59	-267.66	-241.05	-217.20	-36.64
		42	0.04	0.09	-0.08	0.05	-0.05	-0.07	-271.61	-384.57	-370.97	-285.21	-36.76
		84	0.03	0.15	0.02	0.05	0.11	0.06	-211.32	-312.96	-272.50	-251.78	-49.75
		80	0.03	0.14	-0.09	0.09	-0.04	-0.09	-244.31	-345.95	-320.41	-269.86	-44.09
39	1	47	0.03	0.12	0.03	0.12	0.04	-0.02	1.21	-262.16	-197.37	-63.58	-113.43
		45	0.02	0.05	0.01	0.04	0.02	-0.02	-79.87	-194.42	-117.97	-156.32	-53.97
		46	0.03	0.13	0.04	0.06	0.11	-0.04	-6.51	-276.91	-12.08	-271.34	-38.40
		7	0.08	0.05	-0.09	-0.04	1.81e-04	0.07	-664.68	-818.95	-715.01	-768.62	-72.33
39	4	47	0.02	0.02	-0.07	-0.02	-0.03	-0.04	-11.83	-211.47	-165.46	-57.85	-84.08
		45	0.01	-0.03	-0.11	-0.08	-0.06	-0.04	-72.80	-160.38	-103.74	-129.44	-41.86
		46	0.02	0.09	-0.02	0.04	0.02	-0.06	-26.14	-224.70	-31.14	-219.70	-31.11
		7	0.06	-0.02	-0.07	-0.04	-0.05	0.03	-530.64	-642.83	-571.40	-602.07	-53.96
39	36	47	0.02	0.03	-0.05	-5.58e-04	-0.02	-0.04	-9.94	-209.98	-163.40	-56.53	-84.55
		45	0.01	-0.02	-0.09	-0.07	-0.05	-0.04	-71.08	-158.74	-101.78	-128.03	-41.82
		46	0.02	0.09	-0.01	0.04	0.03	-0.05	-22.95	-222.92	-27.84	-218.03	-30.88
		7	0.06	-7.90e-03	-0.07	-0.04	-0.04	0.03	-527.71	-640.84	-568.14	-600.41	-54.22
39	67	47	0.02	0.09	0.03	0.09	0.03	-0.02	0.93	-201.66	-151.83	-48.90	-87.25
		45	0.01	0.04	9.12e-03	0.03	0.02	-0.01	-61.44	-149.55	-90.74	-120.25	-41.51
		46	0.02	0.10	0.03	0.05	0.08	-0.03	-5.01	-213.01	-9.29	-208.73	-29.54
		7	0.06	0.04	-0.07	-0.03	1.39e-04	0.05	-511.29	-629.96	-550.01	-591.24	-55.64
40	1	34	9.11e-03	0.04	1.98e-03	6.14e-03	0.04	-0.01	-5.69	-89.10	-7.86	-86.93	-13.28
		57	0.02	6.24e-03	-0.02	6.24e-03	-0.02	-3.75e-04	-20.11	-163.42	-73.68	-109.86	69.33
		59	0.03	0.08	-0.05	-0.04	0.06	-0.05	-106.93	-322.61	-113.45	-316.09	36.93
		35	0.02	0.04	-0.04	-0.02	0.03	0.03	7.90	-215.23	7.88	-215.21	-2.15
40	34	34	7.56e-03	0.07	-0.05	0.02	3.29e-03	-0.06	-2.94	-72.33	-5.81	-69.46	-13.82
		57	0.01	0.03	-0.13	5.91e-03	-0.11	-0.05	-23.85	-128.79	-57.94	-94.70	49.15
		59	0.02	0.05	-0.12	-0.04	-0.04	-0.09	-86.50	-255.15	-89.37	-252.28	21.81
		35	0.02	0.02	-0.04	-0.02	1.05e-03	-0.03	5.65	-168.11	5.29	-167.75	-7.88
40	62	34	7.40e-03	0.06	-0.04	0.02	9.33e-03	-0.05	-3.55	-71.64	-6.14	-69.04	-13.04
		57	0.01	0.02	-0.11	3.11e-03	-0.09	-0.04	-22.53	-128.72	-58.07	-93.18	50.11
		59	0.02	0.05	-0.11	-0.04	-0.02	-0.08	-85.96	-254.09	-89.19	-250.86	23.08
		35	0.02	0.02	-0.03	-0.02	7.39e-03	-0.02	5.56	-167.61	5.30	-167.35	-6.72
40	67	34	7.01e-03	0.03	1.52e-03	4.72e-03	0.03	-9.06e-03	-4.38	-68.54	-6.05	-66.87	-10.21
		57	0.01	4.80e-03	-0.01	4.80e-03	-0.01	-2.88e-04	-15.47	-125.71	-56.67	-84.51	53.33
		59	0.02	0.06	-0.04	-0.03	0.05	-0.04	-82.26	-248.16	-87.27	-243.14	28.41
		35	0.02	0.03	-0.03	-0.02	0.02	0.02	6.07	-165.56	6.06	-165.54	-1.66
41	1	43	0.04	0.10	-0.16	-0.16	0.10	-0.01	-244.82	-389.48	-364.21	-270.09	-54.92
		83	0.04	0.15	-0.15	-0.01	0.02	-0.15	-322.21	-477.33	-371.87	-427.67	-72.37
		79	0.04	0.11	-0.10	-0.08	0.10	0.05	-218.39	-413.26	-219.87	-411.78	-16.92
		1	0.09	0.30	-0.21	0.09	-1.52e-03	-0.25	-745.41	-890.55	-808.88	-827.08	-71.99
41	12	43	0.03	0.08	-0.22	-0.20	0.06	-0.08	-202.28	-305.54	-286.68	-221.14	-39.89
		83	0.04	0.12	-0.26	-0.09	-0.06	-0.19	-252.83	-374.27	-292.29	-334.80	-56.88
		79	0.03	0.03	-0.06	-0.05	0.02	-0.04	-183.28	-323.64	-184.32	-322.60	-12.06
		1	0.07	0.31	-0.23	0.10	-0.02	-0.26	-592.63	-696.22	-639.91	-648.94	-51.60
41	44	43	0.03	0.08	-0.21	-0.19	0.06	-0.07	-200.16	-304.63	-285.68	-219.12	-40.26
		83	0.03	0.12	-0.24	-0.08	-0.05	-0.18	-252.04	-373.21	-291.31	-333.93	-56.72
		79	0.03	0.03	-0.06	-0.05	0.02	-0.02	-180.96	-322.83	-182.03	-321.77	-12.22
		1	0.07	0.30	-0.22	0.10	-0.02	-0.25	-589.65	-694.41	-637.17	-646.89	-52.16
41	67	43	0.03	0.08	-0.12	-0.12	0.08	-9.39e-03	-188.33	-299.60	-280.16	-207.76	-42.25
		83	0.03	0.11	-0.11	-0.01	0.01	-0.11	-247.85	-367.18	-286.05	-328.98	-55.67
		79	0.03	0.09	-0.07	-0.06	0.08	0.04	-167.99	-317.89	-169.13	-316.75	-13.01
		1	0.07	0.23	-0.16	0.07	-1.17e-03	-0.19	-573.39	-685.04	-622.21	-636.22	-55.38
42	1	39	0.02	0.04	-0.01	-2.99e-03	0.03	-0.02	7.70	-215.66	7.47	-215.44	7.10

		67	0.03	0.06	-0.06	-0.05	0.05	0.03	-103.89	-321.24	-107.95	-317.18	-29.41
		68	0.02	0.01	-1.51e-03	0.01	-8.82e-04	3.05e-03	-18.65	-160.37	-67.12	-111.90	-67.23
		40	9.11e-03	0.03	-9.12e-03	-7.80e-03	0.02	6.68e-03	-5.00	-88.86	-7.51	-86.36	14.29
42	29	39	0.02	0.04	-0.04	-6.72e-03	8.67e-03	0.04	5.50	-168.26	4.67	-167.43	11.96
		67	0.02	0.02	-0.13	-0.06	-0.05	0.08	-83.88	-254.45	-85.35	-252.98	-15.75
		68	0.01	0.04	-0.12	0.01	-0.09	0.06	-22.44	-126.59	-52.91	-96.11	-47.38
		40	7.54e-03	0.07	-0.05	0.01	1.55e-03	0.06	-2.28	-71.84	-5.49	-68.62	14.60
42	61	39	0.02	0.03	-0.03	-6.06e-03	0.01	0.03	5.55	-167.89	4.85	-167.19	10.98
		67	0.02	0.02	-0.11	-0.06	-0.04	0.07	-83.32	-253.30	-84.99	-251.62	-16.79
		68	0.01	0.03	-0.10	0.01	-0.08	0.05	-21.27	-126.08	-52.73	-94.62	-48.04
		40	7.43e-03	0.06	-0.04	8.74e-03	4.19e-03	0.05	-2.53	-71.33	-5.53	-68.32	14.06
42	67	39	0.02	0.03	-0.01	-2.30e-03	0.02	-0.02	5.92	-165.89	5.75	-165.72	5.46
		67	0.02	0.04	-0.05	-0.04	0.04	0.02	-79.92	-247.11	-83.04	-243.99	-22.62
		68	0.01	0.01	-1.16e-03	0.01	-6.79e-04	2.35e-03	-14.35	-123.36	-51.63	-86.08	-51.71
		40	7.00e-03	0.02	-7.01e-03	-6.00e-03	0.02	5.14e-03	-3.85	-68.36	-5.78	-66.43	10.99
43	1	75	0.03	0.08	-0.12	0.07	-0.11	-0.04	-196.36	-376.16	-238.79	-333.73	-76.34
		3	0.08	0.35	-0.03	0.35	-0.03	6.95e-03	-724.00	-828.76	-805.08	-747.68	-43.82
		58	0.03	0.22	6.13e-04	0.22	1.10e-03	-0.01	8.63	-264.85	-223.23	-32.99	-98.24
		60	0.03	0.44	-0.22	0.44	-0.22	0.02	-120.29	-365.11	-281.08	-204.32	-116.24
43	25	75	0.03	0.07	-0.24	0.05	-0.23	-0.07	-170.54	-301.91	-203.28	-269.16	-56.83
		3	0.06	0.27	-0.07	0.26	-0.07	-0.04	-578.36	-653.34	-639.13	-592.57	-29.39
		58	0.02	0.14	-0.04	0.12	-0.03	-0.05	-12.19	-214.93	-184.77	-42.35	-72.14
		60	0.03	0.26	-0.28	0.26	-0.28	-0.03	-105.14	-290.80	-226.16	-169.78	-88.45
43	57	75	0.03	0.06	-0.22	0.05	-0.21	-0.07	-167.60	-300.09	-200.39	-267.30	-57.18
		3	0.06	0.27	-0.07	0.26	-0.06	-0.03	-575.09	-650.90	-636.09	-589.89	-30.05
		58	0.02	0.14	-0.03	0.13	-0.02	-0.04	-9.33	-213.22	-182.79	-39.76	-72.65
		60	0.03	0.27	-0.26	0.27	-0.26	-0.02	-103.21	-289.36	-224.68	-167.89	-88.64
43	67	75	0.03	0.06	-0.09	0.06	-0.09	-0.03	-151.05	-289.35	-183.68	-256.72	-58.72
		3	0.06	0.27	-0.03	0.27	-0.03	5.35e-03	-556.92	-637.51	-619.29	-575.14	-33.71
		58	0.02	0.17	4.71e-04	0.17	8.49e-04	-8.03e-03	6.64	-203.73	-171.72	-25.37	-75.57
		60	0.03	0.34	-0.17	0.34	-0.17	0.01	-92.53	-280.85	-216.21	-157.17	-89.41
44	1	76	0.03	0.10	-0.29	0.09	-0.28	0.06	-189.91	-364.00	-190.55	-363.36	-10.57
		5	0.09	0.28	-0.08	0.08	0.12	-0.18	-747.11	-883.32	-851.68	-778.75	-57.52
		42	0.04	0.13	-0.04	0.13	-0.04	0.02	-242.13	-465.95	-439.59	-268.49	-72.15
		78	0.04	0.13	-0.14	0.13	-0.14	-0.04	-296.21	-432.25	-348.44	-380.02	-66.16
44	29	76	0.03	0.07	-0.28	0.06	-0.28	-0.01	-162.96	-285.43	-163.44	-284.95	-7.61
		5	0.07	0.29	-0.11	0.06	0.12	-0.20	-591.78	-691.18	-671.95	-611.01	-39.27
		42	0.03	0.05	-0.04	0.02	-0.01	-0.04	-199.08	-367.73	-349.20	-217.62	-52.75
		78	0.03	0.03	-0.20	-4.20e-03	-0.16	-0.09	-235.73	-339.49	-276.76	-298.45	-50.73
44	61	76	0.03	0.07	-0.27	0.07	-0.27	-1.92e-03	-160.40	-284.61	-160.88	-284.13	-7.70
		5	0.07	0.28	-0.10	0.06	0.12	-0.19	-589.16	-689.39	-669.42	-609.14	-40.04
		42	0.03	0.05	-0.03	0.03	-0.01	-0.03	-197.15	-366.26	-347.49	-215.92	-53.12
		78	0.03	0.04	-0.18	0.01	-0.15	-0.08	-234.48	-338.44	-275.44	-297.48	-50.80
44	67	76	0.03	0.08	-0.22	0.07	-0.21	0.05	-146.08	-280.00	-146.58	-279.51	-8.13
		5	0.07	0.22	-0.06	0.06	0.09	-0.14	-574.70	-679.48	-655.14	-599.04	-44.25
		42	0.03	0.10	-0.03	0.10	-0.03	0.01	-186.25	-358.42	-338.15	-206.53	-55.50
		78	0.03	0.10	-0.11	0.10	-0.11	-0.03	-227.85	-332.50	-268.03	-292.32	-50.89
45	1	54	0.03	0.07	-0.06	-0.05	0.06	-0.03	-103.69	-321.97	-107.09	-318.57	27.03
		21	0.02	0.04	-0.01	-2.64e-04	0.02	0.02	7.35	-215.59	7.00	-215.25	-8.78
		20	9.21e-03	0.02	-0.01	-0.01	0.02	-6.07e-03	-4.57	-89.72	-7.34	-86.95	-15.10
		56	0.02	0.02	-8.49e-03	0.02	-8.47e-03	6.05e-04	-19.61	-165.50	-70.05	-115.06	69.39
45	25	54	0.02	0.05	-0.12	-0.05	-0.02	-0.09	-81.51	-252.47	-82.62	-251.35	13.76
		21	0.02	0.03	-0.05	-5.17e-03	-0.02	-0.04	6.46	-168.57	5.56	-167.67	-12.50
		20	7.92e-03	0.08	-0.06	0.03	-0.01	-0.06	1.70	-72.34	-1.88	-68.76	-15.88
		56	0.01	0.07	-0.09	0.05	-0.07	-0.06	-20.70	-125.57	-51.22	-95.05	47.64
45	57	54	0.02	0.05	-0.11	-0.05	-0.01	-0.08	-81.28	-251.71	-82.58	-250.41	14.82
		21	0.02	0.02	-0.04	-4.42e-03	-0.01	-0.03	6.32	-168.15	5.54	-167.37	-11.63
		20	7.76e-03	0.07	-0.05	0.03	-6.84e-03	-0.06	0.89	-71.85	-2.45	-68.50	-15.24
		56	0.01	0.06	-0.08	0.04	-0.06	-0.05	-19.89	-125.79	-51.62	-94.07	48.51
45	67	54	0.02	0.05	-0.05	-0.04	0.04	-0.03	-79.76	-247.67	-82.38	-245.05	20.79
		21	0.02	0.03	-0.01	-2.03e-04	0.02	0.02	5.65	-165.84	5.39	-165.58	-6.75
		20	7.09e-03	0.02	-8.61e-03	-7.79e-03	0.02	-4.67e-03	-3.52	-69.01	-5.64	-66.88	-11.61
		56	0.01	0.01	-6.53e-03	0.01	-6.52e-03	4.65e-04	-15.08	-127.31	-53.88	-88.51	53.38
46	1	27	7.58e-03	0.01	-4.75e-03	0.01	-2.66e-03	5.56e-03	-2.38	-73.36	-68.22	-7.53	-18.40
		11	3.23e-03	-9.35e-03	-0.02	-0.01	-0.01	4.00e-03	17.56	-17.90	-1.44	1.10	17.68
		26	7.57e-03	0.01	-4.32e-03	-3.12e-03	0.01	4.16e-03	-2.68	-73.41	-5.40	-70.69	-13.60
		45	0.01	0.03	-0.04	-9.39e-03	-2.52e-03	0.03	-42.73	-148.81	-91.91	-99.64	-52.90
46	33	27	5.87e-03	0.03	0.02	0.02	0.03	-4.29e-03	2.40	-55.03	-50.95	-1.68	-14.76
		11	2.31e-03	0.01	-6.94e-03	-5.03e-03	8.91e-03	-5.49e-03	13.60	-11.60	-0.31	2.30	12.53
		26	5.89e-03	0.02	-0.01	-0.01	0.02	-5.37e-03	-1.29	-56.30	-4.38	-53.21	-12.66
		45	0.01	0.03	-0.02	-0.01	0.03	0.02	-29.21	-114.12	-70.21	-73.13	-42.43
46	65	27	5.85e-03	0.03	0.01	0.02	0.03	-2.99e-03	1.77	-55.25	-51.18	-2.29	-14.67
		11	2.33e-03	7.39e-03	-7.14e-03	-5.81e-03	6.06e-03	-4.19e-03	13.59	-11.93	-0.42	2.08	12.70
		26	5.88e-03	0.02	-0.01	-0.01	0.02	-4.07e-03	-1.42	-56.31	-4.34	-53.39	-12.32
		45	0.01	0.03	-0.02	-0.01	0.02	0.02	-29.76	-114.17	-70.28	-73.65	-42.17
46	67	27	5.83e-03	9.34e-03	-3.65e-03	7.73e-03	-2.04e-03	4.28e-03	-1.83	-56.43	-52.48	-5.79	-14.16

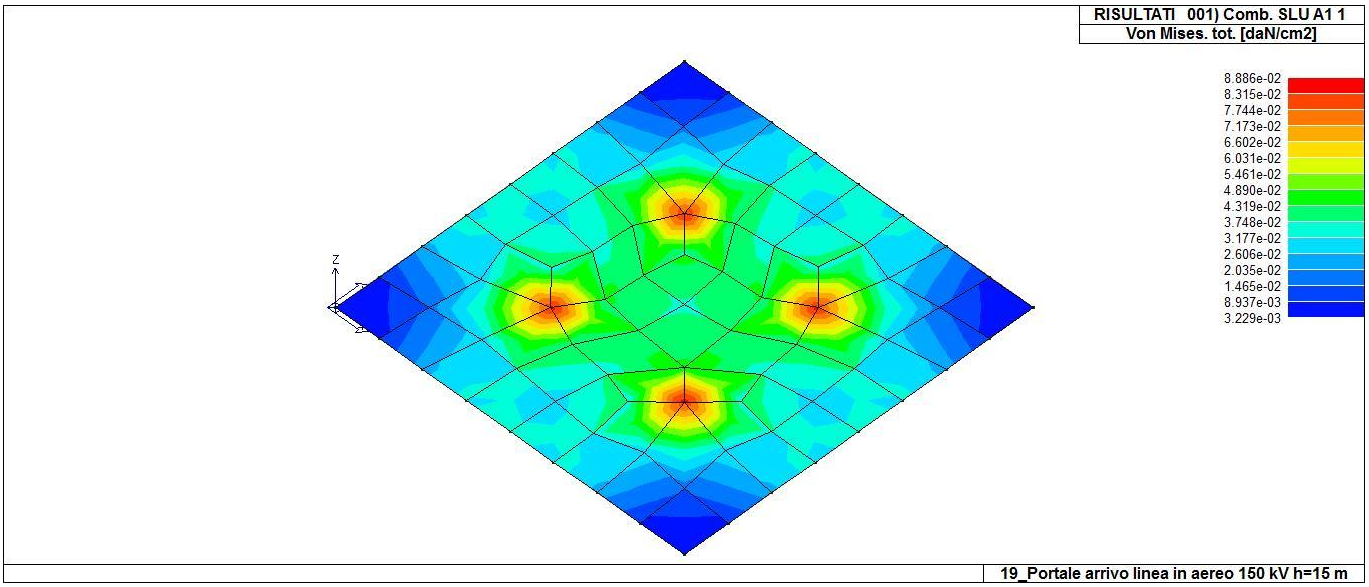
		11	2.48e-03	-7.19e-03	-0.01	-0.01	-9.95e-03	3.08e-03	13.50	-13.77	-1.11	0.84	13.60
		26	5.82e-03	8.69e-03	-3.33e-03	-2.40e-03	7.77e-03	3.20e-03	-2.06	-56.47	-4.15	-54.38	-10.46
		45	0.01	0.02	-0.03	-7.22e-03	-1.94e-03	0.03	-32.87	-114.47	-70.70	-76.64	-40.69
47	1	35	0.02	0.19	-0.01	0.08	0.09	0.10	11.81	-226.86	11.08	-226.13	-13.19
		59	0.03	0.13	-0.16	-0.14	0.11	-0.07	-112.73	-317.86	-120.01	-310.58	37.95
		61	0.03	0.53	0.03	0.14	0.42	0.21	-47.79	-287.74	-47.86	-287.67	-4.06
		36	0.04	0.01	-0.20	2.98e-03	-0.19	-0.05	-6.55	-340.37	-7.44	-339.48	-17.24
47	8	35	0.02	0.12	-0.03	0.07	0.02	0.07	13.05	-176.17	12.18	-175.30	-12.81
		59	0.02	0.15	-0.10	-0.08	0.13	-0.06	-82.17	-236.16	-86.95	-231.38	26.70
		61	0.02	0.48	0.09	0.16	0.41	0.15	-29.56	-211.71	-29.57	-211.70	-1.44
		36	0.03	0.03	-0.22	0.02	-0.21	-0.04	-0.44	-263.47	-1.03	-262.88	-12.49
47	40	35	0.02	0.12	-0.03	0.07	0.02	0.07	12.44	-175.93	11.62	-175.11	-12.41
		59	0.02	0.14	-0.10	-0.09	0.13	-0.06	-82.86	-237.42	-87.76	-232.52	27.09
		61	0.02	0.47	0.08	0.15	0.40	0.16	-30.66	-213.10	-30.67	-213.09	-1.69
		36	0.03	0.03	-0.21	0.02	-0.20	-0.04	-1.14	-263.23	-1.75	-262.62	-12.61
47	67	35	0.02	0.15	-8.02e-03	0.06	0.07	0.08	9.09	-174.51	8.52	-173.95	-10.15
		59	0.02	0.10	-0.12	-0.11	0.08	-0.06	-86.72	-244.51	-92.32	-238.91	29.19
		61	0.02	0.41	0.02	0.11	0.32	0.16	-36.76	-221.34	-36.82	-221.28	-3.12
		36	0.03	0.01	-0.16	2.29e-03	-0.15	-0.04	-5.04	-261.82	-5.72	-261.14	-13.26
48	1	36	0.03	0.07	-0.06	-0.03	0.05	-0.05	0.72	-294.49	0.36	-294.14	-10.18
		61	0.04	0.06	-0.32	0.04	-0.30	0.08	-70.65	-362.76	-70.67	-362.73	2.76
		63	0.03	0.03	-0.16	-0.01	-0.12	-0.08	-101.82	-321.93	-102.48	-321.28	-11.99
		37	0.03	0.02	-0.07	2.75e-03	-0.05	0.03	3.50	-314.12	2.45	-313.07	18.22
48	15	36	0.02	0.03	-4.22e-03	0.02	9.63e-03	-0.02	6.59	-223.60	6.53	-223.54	-3.68
		61	0.03	0.07	-0.36	0.06	-0.34	0.08	-49.91	-285.93	-50.03	-285.80	5.38
		63	0.02	0.03	-0.20	0.02	-0.19	-0.04	-75.79	-254.19	-76.31	-253.68	-9.60
		37	0.03	0.06	-0.08	0.05	-0.07	0.05	6.97	-239.47	6.15	-238.66	14.13
48	47	36	0.02	0.03	-8.36e-03	9.16e-03	0.01	-0.02	5.66	-224.03	5.58	-223.95	-4.30
		61	0.03	0.07	-0.34	0.05	-0.32	0.08	-50.59	-284.88	-50.69	-284.78	4.89
		63	0.02	0.03	-0.19	0.02	-0.18	-0.05	-76.17	-253.20	-76.69	-252.69	-9.55
		37	0.03	0.06	-0.08	0.04	-0.06	0.04	6.32	-239.79	5.51	-238.98	14.13
48	67	36	0.02	0.05	-0.04	-0.03	0.04	-0.04	0.55	-226.53	0.28	-226.26	-7.83
		61	0.03	0.05	-0.24	0.03	-0.23	0.06	-54.34	-279.05	-54.36	-279.03	2.13
		63	0.02	0.03	-0.13	-9.14e-03	-0.09	-0.06	-78.32	-247.64	-78.83	-247.14	-9.22
		37	0.03	0.01	-0.05	2.12e-03	-0.04	0.03	2.69	-241.63	1.89	-240.82	14.01
49	1	81	0.04	0.03	-0.11	6.78e-03	-0.09	0.06	-330.64	-476.37	-403.76	-403.25	72.87
		73	0.04	0.26	-0.07	0.11	0.07	-0.16	-197.60	-406.56	-384.35	-219.81	64.40
		3	0.09	0.15	-0.22	0.02	-0.09	0.18	-747.47	-899.84	-795.62	-851.70	70.84
		41	0.04	0.21	-0.07	0.13	8.46e-03	-0.12	-225.95	-414.30	-226.19	-414.07	6.62
49	22	81	0.04	0.01	-0.24	-0.05	-0.18	0.11	-260.41	-372.61	-315.92	-317.10	56.10
		73	0.03	0.11	-0.02	0.05	0.04	-0.06	-168.08	-319.64	-303.11	-184.61	47.24
		3	0.07	0.21	-0.23	0.06	-0.08	0.20	-593.64	-702.02	-624.84	-670.83	49.07
		41	0.03	0.13	-0.12	0.12	-0.12	-0.03	-184.74	-324.19	-184.79	-324.14	2.55
49	54	81	0.04	0.02	-0.22	-0.04	-0.16	0.10	-259.51	-371.69	-315.13	-316.07	56.09
		73	0.03	0.12	-0.02	0.06	0.04	-0.07	-165.64	-318.53	-301.93	-182.24	47.56
		3	0.07	0.19	-0.22	0.06	-0.08	0.19	-590.78	-700.46	-622.83	-668.40	49.88
		41	0.03	0.13	-0.10	0.12	-0.10	-0.04	-183.09	-323.33	-183.15	-323.27	2.95
49	67	81	0.03	0.03	-0.09	5.22e-03	-0.07	0.04	-254.33	-366.44	-310.58	-310.19	56.05
		73	0.03	0.20	-0.06	0.09	0.06	-0.13	-152.00	-312.74	-295.65	-169.09	49.54
		3	0.07	0.12	-0.17	0.02	-0.07	0.14	-574.98	-692.19	-612.02	-655.15	54.49
		41	0.03	0.16	-0.05	0.10	6.51e-03	-0.09	-173.81	-318.69	-173.99	-318.51	5.09
50	1	85	0.05	0.12	-0.06	0.11	-0.05	0.05	-373.04	-517.09	-514.36	-375.78	19.66
		71	0.03	0.25	-0.02	0.05	0.19	-0.12	-248.74	-364.18	-322.42	-290.51	55.47
		73	0.04	0.18	-0.10	0.14	-0.06	0.10	-306.93	-452.40	-416.74	-342.58	62.57
		81	0.04	0.21	0.03	0.09	0.15	-0.09	-273.99	-402.77	-342.89	-333.87	64.24
50	6	85	0.04	0.19	-0.05	0.15	-8.69e-03	0.10	-281.62	-392.64	-386.74	-287.52	24.90
		71	0.03	0.07	-0.06	0.06	-0.06	-0.03	-194.06	-286.68	-241.43	-239.31	46.30
		73	0.03	0.11	-0.23	0.05	-0.17	0.13	-244.84	-357.89	-327.50	-275.24	50.12
		81	0.03	0.21	0.07	0.07	0.21	-0.01	-200.17	-315.20	-264.45	-250.92	57.11
50	38	85	0.04	0.18	-0.05	0.14	-0.01	0.09	-282.57	-393.34	-388.14	-287.77	23.43
		71	0.03	0.08	-0.04	0.06	-0.02	-0.04	-193.84	-285.51	-242.44	-236.91	45.75
		73	0.03	0.11	-0.21	0.06	-0.15	0.12	-243.53	-356.28	-326.38	-273.42	49.77
		81	0.03	0.20	0.06	0.07	0.20	-0.02	-201.79	-314.38	-264.34	-251.83	55.95
50	67	85	0.04	0.10	-0.05	0.08	-0.04	0.04	-286.96	-397.76	-395.66	-289.06	15.12
		71	0.03	0.20	-0.01	0.04	0.15	-0.09	-191.34	-280.14	-248.02	-223.47	42.67
		73	0.03	0.14	-0.08	0.11	-0.05	0.07	-236.10	-348.00	-320.57	-263.52	48.13
		81	0.03	0.16	0.02	0.07	0.12	-0.07	-210.76	-309.83	-263.76	-256.83	49.41
51	1	74	0.04	0.18	-0.10	0.07	0.01	0.13	-308.11	-456.35	-308.25	-456.21	4.56
		72	0.03	0.26	-0.02	0.06	0.18	-0.13	-248.39	-363.31	-250.36	-361.35	14.89
		85	0.05	0.12	-0.06	0.03	0.03	0.09	-372.86	-517.34	-391.85	-498.35	-48.82
		82	0.04	0.21	0.03	0.08	0.17	-0.08	-274.94	-401.28	-283.47	-392.75	31.69
51	30	74	0.03	0.23	-0.03	0.15	0.05	0.12	-228.68	-346.64	-229.40	-345.92	9.19
		72	0.03	0.22	0.05	0.14	0.13	-0.09	-186.39	-285.34	-187.17	-284.56	8.74
		85	0.04	0.05	-0.15	-0.10	-9.84e-04	0.08	-297.05	-404.65	-313.65	-388.05	-38.87
		82	0.03	0.15	-0.07	-0.06	0.14	-0.05	-217.84	-309.10	-228.81	-298.13	29.68
51	62	74	0.03	0.21	-0.04	0.14	0.04	0.11	-229.98	-347.47	-230.57	-346.87	8.33

		72	0.03	0.22	0.04	0.12	0.13	-0.09	-187.12	-284.42	-187.99	-283.55	9.16
		85	0.04	0.05	-0.13	-0.08	2.60e-03	0.08	-295.47	-403.55	-311.78	-387.24	-38.69
		82	0.03	0.15	-0.05	-0.04	0.14	-0.05	-216.97	-308.95	-227.17	-298.76	28.87
51	67	74	0.03	0.14	-0.08	0.05	8.48e-03	0.10	-237.01	-351.04	-237.12	-350.93	3.51
		72	0.03	0.20	-0.02	0.05	0.14	-0.10	-191.07	-279.47	-192.58	-277.96	11.46
		85	0.04	0.09	-0.05	0.02	0.02	0.07	-286.82	-397.96	-301.43	-383.34	-37.56
		82	0.03	0.16	0.02	0.06	0.13	-0.06	-211.49	-308.68	-218.05	-302.12	24.38
52	1	29	0.04	0.01	-0.18	-0.16	-0.01	0.06	-5.81	-336.39	-330.45	-11.75	43.91
		28	0.02	0.18	-5.53e-03	0.08	0.09	-0.09	11.45	-226.46	-221.86	6.85	32.75
		47	0.03	0.11	-0.17	0.10	-0.15	0.06	-110.25	-314.31	-311.48	-113.09	-23.89
		49	0.03	0.50	0.03	0.37	0.17	-0.21	-50.43	-292.46	-289.68	-53.21	25.77
52	24	29	0.03	0.02	-0.14	-0.06	-0.06	0.08	-11.17	-259.40	-253.77	-16.80	36.97
		28	0.02	0.14	0.05	0.12	0.07	-0.04	5.81	-174.12	-170.41	2.10	25.58
		47	0.02	0.06	-0.16	0.03	-0.14	0.07	-90.33	-249.20	-247.59	-91.95	-15.93
		49	0.02	0.29	-0.03	0.21	0.04	-0.14	-47.92	-236.93	-233.22	-51.63	26.22
52	56	29	0.03	0.01	-0.13	-0.07	-0.05	0.07	-10.16	-259.30	-253.84	-15.62	36.49
		28	0.02	0.14	0.04	0.11	0.07	-0.05	6.26	-174.14	-170.46	2.58	25.52
		47	0.02	0.06	-0.16	0.04	-0.13	0.07	-89.51	-248.05	-246.36	-91.20	-16.29
		49	0.02	0.30	-0.02	0.22	0.06	-0.14	-46.55	-235.05	-231.60	-50.00	25.25
52	67	29	0.03	0.01	-0.14	-0.12	-8.00e-03	0.05	-4.47	-258.76	-254.19	-9.04	33.77
		28	0.02	0.14	-4.26e-03	0.06	0.07	-0.07	8.80	-174.20	-170.66	5.27	25.19
		47	0.02	0.09	-0.13	0.08	-0.12	0.05	-84.81	-241.78	-239.60	-86.99	-18.37
		49	0.02	0.39	0.02	0.28	0.13	-0.17	-38.79	-224.97	-222.83	-40.93	19.82
53	1	32	0.02	0.09	3.33e-04	0.04	0.05	0.05	9.98	-229.75	-229.00	9.23	-13.37
		31	0.03	-1.02e-03	-0.14	-0.12	-0.02	-0.05	-6.76	-325.32	-325.03	-7.05	-9.55
		53	0.03	0.34	-8.97e-03	0.22	0.11	0.17	-70.84	-312.58	-311.86	-71.57	-13.22
		55	0.03	0.07	-0.13	0.07	-0.13	-0.03	-103.72	-320.53	-311.48	-112.77	43.36
53	29	32	0.02	0.06	-0.05	-0.04	0.04	0.03	11.23	-178.90	-178.02	10.35	-12.89
		31	0.03	0.02	-0.17	-0.16	0.01	-0.04	0.78	-251.91	-251.74	0.61	-6.50
		53	0.02	0.33	0.06	0.24	0.15	0.13	-46.43	-230.52	-230.18	-46.77	-7.90
		55	0.02	0.12	-0.08	0.12	-0.07	-0.02	-75.45	-237.33	-230.98	-81.80	31.41
53	61	32	0.02	0.06	-0.04	-0.03	0.04	0.03	10.69	-178.58	-177.75	9.86	-12.49
		31	0.03	0.02	-0.16	-0.15	9.29e-03	-0.04	-0.14	-251.66	-251.49	-0.31	-6.63
		53	0.02	0.32	0.05	0.23	0.14	0.13	-47.67	-232.04	-231.67	-48.04	-8.25
		55	0.02	0.11	-0.08	0.11	-0.08	-0.02	-76.12	-238.73	-232.30	-82.55	31.70
53	67	32	0.02	0.07	2.56e-04	0.03	0.04	0.04	7.68	-176.73	-176.16	7.10	-10.28
		31	0.03	-7.84e-04	-0.10	-0.09	-0.02	-0.04	-5.20	-250.24	-250.02	-5.42	-7.34
		53	0.02	0.26	-6.90e-03	0.17	0.09	0.13	-54.49	-240.45	-239.89	-55.05	-10.17
		55	0.02	0.06	-0.10	0.05	-0.10	-0.02	-79.78	-246.56	-239.60	-86.75	33.35
54	1	5	0.09	0.17	-0.23	7.17e-04	-0.06	0.20	-749.14	-901.96	-811.79	-839.31	75.16
		74	0.04	0.24	-0.09	-0.04	0.19	-0.12	-200.43	-409.15	-202.22	-407.36	19.26
		82	0.04	0.05	-0.13	-0.06	-0.02	0.08	-330.36	-469.96	-367.72	-432.61	61.80
		42	0.04	0.19	-0.09	-0.08	0.18	-0.06	-230.31	-411.07	-393.51	-247.87	53.53
54	7	5	0.07	0.22	-0.24	0.04	-0.06	0.22	-596.13	-703.72	-642.09	-657.76	53.22
		74	0.03	0.07	-0.02	-0.01	0.07	-0.02	-169.76	-322.25	-170.97	-321.04	13.52
		82	0.03	0.02	-0.26	-0.14	-0.10	0.14	-261.72	-368.19	-290.33	-339.58	47.20
		42	0.03	0.12	-0.16	-0.16	0.12	0.03	-190.40	-322.11	-310.41	-202.10	37.48
54	39	5	0.07	0.21	-0.23	0.04	-0.06	0.21	-593.06	-702.13	-639.36	-655.83	53.91
		74	0.03	0.09	-0.03	-0.02	0.08	-0.03	-167.39	-321.05	-168.62	-319.82	13.70
		82	0.03	0.02	-0.23	-0.13	-0.09	0.13	-260.60	-367.19	-289.23	-338.56	47.24
		42	0.03	0.12	-0.14	-0.14	0.12	0.02	-188.39	-321.20	-309.21	-200.37	38.05
54	67	5	0.07	0.13	-0.18	5.52e-04	-0.05	0.15	-576.26	-693.82	-624.46	-645.63	57.82
		74	0.03	0.18	-0.07	-0.03	0.14	-0.09	-154.18	-314.73	-155.55	-313.35	14.82
		82	0.03	0.04	-0.10	-0.05	-0.01	0.07	-254.13	-361.51	-282.86	-332.78	47.54
		42	0.03	0.14	-0.07	-0.06	0.14	-0.04	-177.16	-316.21	-302.70	-190.67	41.18
55	1	3	0.08	0.05	-0.09	-0.05	0.01	-0.06	-667.35	-816.14	-715.54	-767.94	69.63
		54	0.03	0.15	0.03	0.05	0.12	0.05	9.93	-271.60	5.43	-267.10	35.31
		56	0.02	0.06	4.90e-03	0.03	0.04	0.03	-82.23	-201.68	-123.38	-160.53	56.76
		58	0.03	0.12	0.03	0.11	0.04	0.03	-1.14	-268.80	-208.04	-61.90	112.12
55	19	3	0.06	-0.01	-0.07	-0.06	-0.03	-0.03	-532.41	-639.83	-563.05	-609.19	48.50
		54	0.02	0.05	-0.08	0.01	-0.04	0.06	-3.95	-219.20	-6.42	-216.73	22.92
		56	0.02	-0.03	-0.12	-0.05	-0.09	0.04	-74.20	-164.82	-103.08	-135.94	42.23
		58	0.02	0.07	-0.01	0.04	0.03	0.04	-21.15	-217.38	-170.59	-67.95	83.62
55	51	3	0.06	-5.41e-03	-0.07	-0.05	-0.02	-0.03	-529.52	-637.96	-561.11	-606.37	49.27
		54	0.02	0.05	-0.06	0.02	-0.02	0.05	-2.28	-217.65	-4.90	-215.03	23.58
		56	0.02	-0.02	-0.10	-0.04	-0.07	0.04	-72.57	-163.39	-101.87	-134.08	42.46
		58	0.02	0.08	-4.28e-03	0.05	0.03	0.04	-18.10	-215.77	-168.98	-64.88	84.02
55	67	3	0.06	0.04	-0.07	-0.04	0.01	-0.05	-513.34	-627.80	-550.42	-590.72	53.56
		54	0.02	0.11	0.02	0.04	0.09	0.04	7.64	-208.93	4.18	-205.46	27.16
		56	0.01	0.05	3.77e-03	0.02	0.03	0.02	-63.26	-155.14	-94.91	-123.48	43.66
		58	0.02	0.09	0.02	0.09	0.03	0.02	-0.87	-206.77	-160.03	-47.61	86.25
56	1	33	9.20e-03	0.03	-0.01	0.02	-7.12e-03	-9.87e-03	-4.61	-89.57	-89.51	-4.67	-2.26
		32	0.02	0.04	-0.01	0.03	-5.78e-03	0.02	7.41	-215.69	-212.75	4.46	25.47
		55	0.03	0.06	-0.06	0.05	-0.04	-0.04	-105.15	-323.41	-306.43	-122.13	58.45
		57	0.02	0.01	-7.84e-03	-7.83e-03	0.01	-2.95e-04	-20.04	-165.86	-93.22	-92.68	72.91
56	6	33	7.61e-03	0.06	-0.05	-0.01	0.02	-0.05	-1.70	-72.46	-72.10	-2.06	-5.03

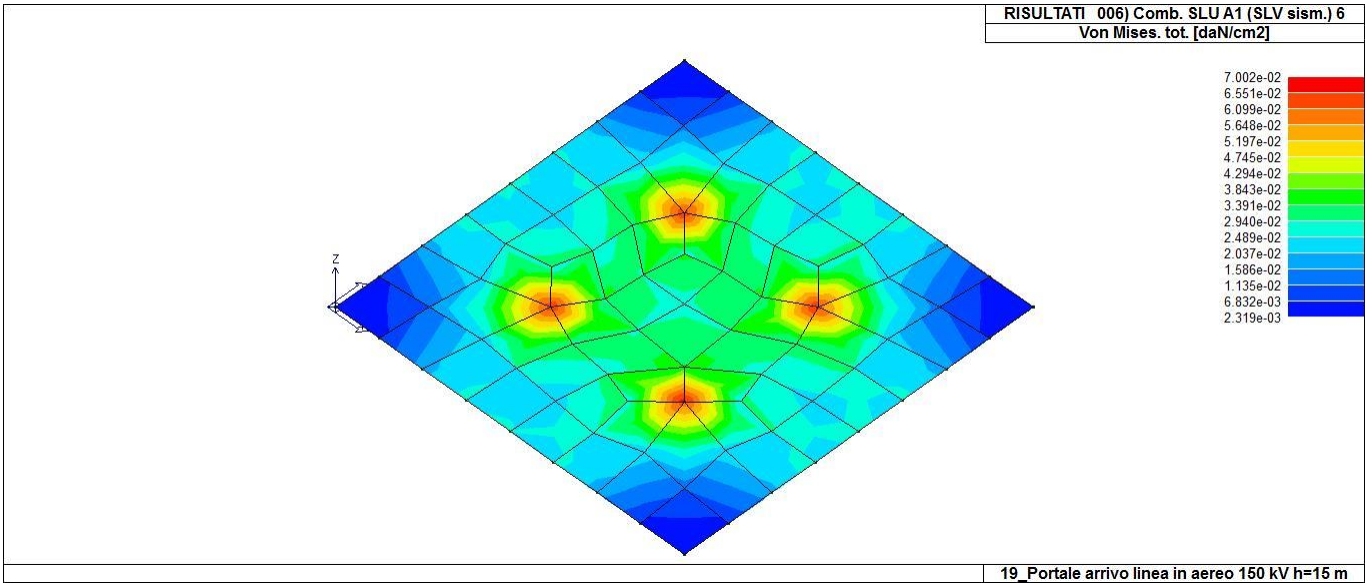
		32	0.02	0.03	-0.04	-0.01	7.98e-03	-0.03	5.55	-168.32	-167.30	4.53	13.32
		55	0.02	0.03	-0.13	-0.07	-0.03	-0.08	-84.94	-256.11	-246.63	-94.43	39.16
		57	0.01	0.04	-0.12	-0.11	0.03	-0.04	-23.69	-130.22	-82.70	-71.21	52.96
56	38	33	7.50e-03	0.05	-0.04	-7.33e-03	0.02	-0.05	-1.99	-71.92	-71.63	-2.29	-4.53
		32	0.02	0.03	-0.03	-7.16e-03	6.08e-03	-0.03	5.54	-167.94	-166.76	4.35	14.28
		55	0.02	0.03	-0.11	-0.05	-0.03	-0.07	-84.37	-254.96	-244.98	-94.35	40.03
		57	0.01	0.03	-0.11	-0.10	0.02	-0.04	-22.49	-129.80	-81.06	-71.23	53.43
56	67	33	7.08e-03	0.02	-7.77e-03	0.02	-5.47e-03	-7.59e-03	-3.54	-68.90	-68.86	-3.59	-1.74
		32	0.02	0.03	-9.39e-03	0.02	-4.45e-03	0.01	5.70	-165.92	-163.65	3.43	19.59
		55	0.02	0.05	-0.04	0.04	-0.03	-0.03	-80.89	-248.77	-235.72	-93.94	44.96
		57	0.01	0.01	-6.03e-03	-6.02e-03	0.01	-2.27e-04	-15.41	-127.58	-71.71	-71.29	56.08
57	1	7	0.09	0.18	-0.15	-0.03	0.06	0.16	-773.31	-911.86	-878.68	-806.49	59.14
		69	0.03	0.09	-0.34	0.09	-0.34	-0.04	-169.10	-351.02	-169.10	-351.02	-0.57
		71	0.04	0.07	-0.23	0.07	-0.23	0.03	-285.90	-457.83	-337.06	-406.67	78.60
		85	0.05	0.05	-0.09	0.05	-0.09	-7.30e-03	-258.41	-510.49	-497.68	-271.21	55.35
57	19	7	0.07	0.23	-0.15	-0.02	0.10	0.18	-614.91	-714.68	-695.43	-634.15	39.37
		69	0.03	0.06	-0.34	0.05	-0.34	0.03	-149.14	-276.99	-149.15	-276.98	-1.22
		71	0.03	-0.05	-0.28	-0.08	-0.25	0.08	-229.85	-359.62	-269.84	-319.64	59.91
		85	0.04	3.21e-04	-0.10	-0.06	-0.04	0.05	-212.37	-403.09	-395.14	-220.32	38.12
57	51	7	0.07	0.21	-0.14	-0.02	0.09	0.17	-611.87	-712.61	-692.45	-632.03	40.31
		69	0.03	0.06	-0.33	0.06	-0.33	0.02	-146.25	-275.94	-146.26	-275.93	-1.09
		71	0.03	-0.03	-0.26	-0.06	-0.24	0.07	-228.37	-358.54	-268.28	-318.63	60.01
		85	0.04	-3.29e-03	-0.09	-0.04	-0.04	0.04	-210.35	-401.55	-393.32	-218.58	38.81
57	67	7	0.07	0.14	-0.11	-0.02	0.05	0.12	-594.85	-701.43	-675.90	-620.38	45.49
		69	0.03	0.07	-0.26	0.07	-0.26	-0.03	-130.08	-270.01	-130.08	-270.01	-0.44
		71	0.03	0.06	-0.18	0.05	-0.18	0.02	-219.93	-352.17	-259.27	-312.83	60.46
		85	0.04	0.04	-0.07	0.04	-0.07	-5.61e-03	-198.78	-392.68	-382.83	-208.63	42.58
58	1	31	0.03	0.08	-0.03	0.07	-0.02	-0.03	3.54	-297.76	-295.45	1.23	-26.24
		30	0.03	0.03	-0.01	-5.91e-04	0.02	0.02	2.15	-312.99	-312.96	2.12	-3.07
		51	0.03	-0.02	-0.08	-0.08	-0.03	-0.01	-108.57	-317.10	-315.80	-109.87	-16.39
		53	0.03	0.07	-0.20	-0.18	0.05	0.06	-96.26	-355.45	-354.03	-97.68	-19.12
58	27	31	0.02	0.05	0.01	0.02	0.04	-0.01	11.21	-225.35	-224.09	9.95	-17.22
		30	0.03	0.07	-0.04	-0.04	0.06	0.02	6.13	-238.15	-238.11	6.10	-2.91
		51	0.02	7.36e-03	-0.18	-0.18	7.36e-03	-1.25e-03	-80.74	-251.89	-250.50	-82.13	-15.38
		53	0.03	0.09	-0.26	-0.25	0.08	0.06	-67.08	-279.41	-278.56	-67.93	-13.43
58	59	31	0.02	0.04	0.01	0.02	0.03	-0.01	9.91	-225.90	-224.57	8.58	-17.66
		30	0.03	0.06	-0.04	-0.03	0.06	0.02	5.46	-238.55	-238.51	5.42	-2.82
		51	0.02	2.94e-03	-0.16	-0.16	2.90e-03	-2.77e-03	-81.16	-250.67	-249.34	-82.49	-14.95
		53	0.03	0.09	-0.24	-0.23	0.08	0.06	-68.14	-278.49	-277.60	-69.03	-13.63
58	67	31	0.02	0.06	-0.02	0.06	-0.02	-0.02	2.72	-229.04	-227.27	0.95	-20.19
		30	0.03	0.02	-7.97e-03	-4.54e-04	0.02	0.01	1.65	-240.76	-240.74	1.63	-2.36
		51	0.02	-0.02	-0.06	-0.06	-0.02	-0.01	-83.52	-243.92	-242.92	-84.52	-12.61
		53	0.03	0.05	-0.15	-0.14	0.04	0.05	-74.04	-273.42	-272.33	-75.13	-14.71
59	1	28	0.02	0.05	-0.03	0.05	-0.03	-0.02	7.83	-215.63	-211.53	3.72	-30.01
		27	9.01e-03	0.04	5.19e-04	0.03	0.01	0.02	-5.73	-88.29	-88.27	-5.75	1.32
		45	0.02	0.01	-0.01	-0.01	0.01	-1.21e-03	-21.74	-162.50	-89.67	-94.57	-70.34
		47	0.03	0.08	-0.06	0.04	-0.02	0.06	-105.18	-316.36	-294.03	-127.52	-64.95
59	8	28	0.02	0.02	-0.03	-5.19e-03	-6.01e-03	0.03	5.87	-168.27	-166.50	4.10	-17.47
		27	7.47e-03	0.07	-0.05	-0.01	0.03	0.05	-3.06	-71.61	-71.37	-3.30	4.02
		45	0.01	0.03	-0.12	-0.11	0.02	0.04	-24.80	-128.16	-79.84	-73.12	-51.57
		47	0.02	0.05	-0.13	-0.07	-7.22e-03	0.09	-84.93	-250.08	-236.79	-98.22	-44.93
59	36	28	0.02	0.02	-0.02	4.60e-03	-8.64e-03	0.02	5.72	-167.82	-165.83	3.73	-18.49
		27	7.31e-03	0.06	-0.04	-4.78e-03	0.03	0.04	-3.63	-70.96	-70.79	-3.80	3.41
		45	0.01	0.02	-0.10	-0.10	0.01	0.03	-23.53	-128.00	-78.10	-73.43	-52.18
		47	0.02	0.05	-0.12	-0.06	-8.86e-03	0.08	-84.45	-249.04	-235.09	-98.40	-45.85
59	67	28	0.02	0.04	-0.03	0.03	-0.02	-0.01	6.02	-165.87	-162.71	2.86	-23.08
		27	6.93e-03	0.03	3.99e-04	0.02	8.11e-03	0.01	-4.41	-67.92	-67.90	-4.42	1.01
		45	0.01	8.97e-03	-8.61e-03	-8.57e-03	8.92e-03	-9.33e-04	-16.72	-125.00	-68.98	-72.75	-54.11
		47	0.02	0.06	-0.05	0.03	-0.01	0.05	-80.91	-243.36	-226.17	-98.09	-49.96
60	1	82	0.04	0.08	3.77e-03	0.01	0.07	0.03	-305.13	-401.56	-306.27	-400.42	10.41
		85	0.04	0.04	0.03	0.03	0.03	3.47e-03	-341.08	-478.21	-410.64	-408.65	-68.56
		81	0.04	0.08	5.19e-03	0.07	0.01	0.03	-304.12	-402.85	-401.62	-305.35	10.94
		44	0.04	0.07	0.05	0.06	0.06	-8.22e-03	-346.99	-356.54	-351.84	-351.69	-4.77
60	4	82	0.03	0.11	0.02	0.04	0.10	0.03	-230.38	-303.91	-231.33	-302.95	8.33
		85	0.03	0.03	-0.07	0.03	-0.06	0.02	-266.19	-369.28	-313.83	-321.64	-51.40
		81	0.03	0.11	-0.08	0.10	-0.08	0.03	-241.90	-303.56	-303.16	-242.30	4.95
		44	0.03	0.13	0.11	0.13	0.12	7.07e-03	-253.03	-271.90	-261.95	-262.98	-9.42
60	36	82	0.03	0.11	0.02	0.03	0.09	0.03	-231.07	-304.67	-232.01	-303.73	8.28
		85	0.03	0.03	-0.05	0.03	-0.05	0.01	-265.65	-369.05	-314.16	-320.54	-51.60
		81	0.03	0.10	-0.07	0.09	-0.06	0.03	-240.71	-304.57	-304.10	-241.18	5.48
		44	0.03	0.12	0.10	0.12	0.11	5.04e-03	-255.12	-272.24	-263.24	-264.12	-8.55
60	67	82	0.03	0.06	2.90e-03	0.01	0.06	0.02	-234.72	-308.89	-235.59	-308.01	8.01
		85	0.03	0.03	0.02	0.03	0.03	2.67e-03	-262.37	-367.85	-315.87	-314.35	-52.74
		81	0.03	0.06	4.00e-03	0.06	0.01	0.02	-233.94	-309.88	-308.94	-234.88	8.42
		44	0.03	0.05	0.04	0.05	0.05	-6.33e-03	-266.92	-274.26	-270.65	-270.53	-3.67
61	1	69	0.04	0.15	-3.49e-04	0.04	0.11	-0.07	-301.35	-427.36	-344.15	-384.55	59.68

		48	0.04	5.08e-03	-0.56	-0.21	-0.35	0.27	-78.92	-381.54	-87.66	-372.81	50.67
		50	0.03	0.15	-0.14	0.09	-0.08	-0.12	-115.85	-315.89	-115.99	-315.75	-5.27
		71	0.04	-8.39e-03	-0.39	-0.28	-0.12	0.17	-269.46	-401.96	-392.95	-278.47	33.36
61	3	69	0.03	0.12	-0.06	-0.05	0.11	-0.04	-241.53	-334.45	-277.26	-298.73	45.20
		48	0.03	-2.46e-03	-0.46	-0.25	-0.21	0.23	-74.31	-292.47	-80.33	-286.45	35.76
		50	0.02	0.04	-0.13	-0.07	-0.02	-0.08	-105.65	-243.81	-105.94	-243.52	-6.36
		71	0.03	-8.37e-03	-0.44	-0.38	-0.07	0.15	-211.51	-326.58	-320.59	-217.50	25.56
61	35	69	0.03	0.12	-0.05	-0.04	0.11	-0.04	-240.07	-333.56	-275.35	-298.28	45.32
		48	0.03	-3.21e-03	-0.45	-0.24	-0.22	0.22	-72.23	-292.62	-78.36	-286.49	36.25
		50	0.02	0.04	-0.12	-0.05	-0.02	-0.08	-103.23	-243.67	-103.49	-243.41	-6.00
		71	0.03	-9.42e-03	-0.41	-0.35	-0.07	0.14	-210.88	-323.97	-317.86	-217.00	25.58
61	67	69	0.03	0.11	-2.68e-04	0.03	0.08	-0.05	-231.81	-328.74	-264.73	-295.81	45.91
		48	0.03	3.91e-03	-0.43	-0.16	-0.27	0.21	-60.71	-293.50	-67.43	-286.78	38.98
		50	0.02	0.12	-0.11	0.07	-0.06	-0.09	-89.11	-242.99	-89.22	-242.88	-4.05
		71	0.03	-6.46e-03	-0.30	-0.22	-0.09	0.13	-207.28	-309.20	-302.27	-214.21	25.66
62	1	64	0.03	0.06	-0.23	-0.21	0.03	-0.08	-89.31	-358.71	-358.30	-89.71	10.43
		62	0.03	-0.01	-0.09	-0.09	-0.02	0.02	-106.79	-318.66	-317.75	-107.70	13.85
		16	0.03	0.02	-0.05	-0.04	0.01	-0.02	3.53	-316.33	-316.22	3.41	-6.03
		15	0.03	0.07	-0.04	0.06	-0.03	0.03	1.39	-295.97	-294.71	0.13	19.29
62	34	64	0.03	0.06	-0.24	-0.23	0.05	-0.05	-63.39	-278.33	-277.91	-63.81	9.50
		62	0.02	0.03	-0.14	-0.14	0.02	0.02	-78.34	-248.19	-247.13	-79.40	13.38
		16	0.03	0.06	-0.07	-0.07	0.05	-0.01	6.80	-242.23	-242.20	6.78	-2.51
		15	0.02	0.04	-0.03	3.89e-03	7.56e-03	0.03	7.11	-226.39	-225.36	6.07	15.49
62	66	64	0.03	0.05	-0.23	-0.22	0.04	-0.05	-64.20	-277.96	-277.56	-64.60	9.27
		62	0.02	0.02	-0.13	-0.13	0.02	0.02	-78.92	-247.72	-246.72	-79.92	12.97
		16	0.03	0.05	-0.07	-0.06	0.05	-0.01	6.18	-242.39	-242.36	6.15	-2.83
		15	0.02	0.04	-0.03	0.01	3.27e-03	0.03	6.19	-226.58	-225.56	5.16	15.40
62	67	64	0.03	0.04	-0.18	-0.16	0.03	-0.06	-68.70	-275.93	-275.62	-69.01	8.02
		62	0.02	-8.10e-03	-0.07	-0.07	-0.01	0.02	-82.15	-245.13	-244.43	-82.85	10.66
		16	0.03	0.02	-0.04	-0.03	0.01	-0.02	2.71	-243.33	-243.24	2.62	-4.64
		15	0.02	0.05	-0.03	0.05	-0.02	0.03	1.07	-227.67	-226.70	0.10	14.84
63	1	48	0.04	0.07	-0.29	0.05	-0.27	-0.08	-83.68	-363.24	-83.69	-363.23	-1.86
		24	0.03	0.10	-0.04	-0.02	0.08	0.05	1.33	-293.40	0.99	-293.06	10.02
		23	0.03	0.03	-0.03	7.45e-03	-6.98e-03	-0.03	2.56	-312.14	1.34	-310.92	-19.49
		50	0.03	0.01	-0.14	-0.02	-0.10	0.06	-108.09	-318.60	-108.49	-318.19	9.22
63	6	48	0.03	0.08	-0.29	0.07	-0.28	-0.06	-58.60	-281.01	-58.60	-281.01	-0.02
		24	0.02	0.04	-0.03	9.43e-03	1.37e-03	0.04	7.49	-224.08	7.18	-223.76	8.53
		23	0.03	0.06	-0.06	0.05	-0.06	-0.02	6.35	-238.60	5.66	-237.91	-12.99
		50	0.02	0.04	-0.16	0.03	-0.15	0.05	-78.91	-247.28	-79.51	-246.68	10.03
63	38	48	0.03	0.07	-0.28	0.06	-0.27	-0.06	-59.48	-280.77	-59.48	-280.77	-0.22
		24	0.02	0.05	-0.03	5.10e-03	0.01	0.04	6.51	-224.32	6.20	-224.02	8.42
		23	0.03	0.05	-0.06	0.04	-0.05	-0.02	5.69	-238.83	4.96	-238.10	-13.29
		50	0.02	0.04	-0.15	0.02	-0.14	0.05	-79.56	-246.95	-80.11	-246.40	9.58
63	67	48	0.03	0.06	-0.22	0.04	-0.21	-0.06	-64.37	-279.42	-64.38	-279.41	-1.43
		24	0.02	0.07	-0.03	-0.02	0.06	0.04	1.03	-225.69	0.76	-225.43	7.71
		23	0.03	0.03	-0.03	5.73e-03	-5.37e-03	-0.03	1.97	-240.10	1.03	-239.17	-14.99
		50	0.02	0.01	-0.11	-0.02	-0.08	0.05	-83.14	-245.07	-83.45	-244.76	7.10
64	1	59	0.03	0.24	-3.21e-04	0.02	0.21	-0.07	9.11	-263.04	8.23	-262.16	-15.43
		5	0.08	0.31	-0.07	-0.04	0.28	-0.10	-724.39	-834.23	-726.32	-832.30	-14.43
		76	0.04	0.10	-0.12	-0.07	0.05	-0.09	-205.36	-385.42	-288.64	-302.14	-89.77
		61	0.03	0.42	-0.24	-0.19	0.37	-0.18	-117.02	-365.74	-135.70	-347.06	-65.56
64	9	59	0.02	0.17	-0.05	0.02	0.09	-0.10	-11.89	-213.42	-12.43	-212.88	-10.45
		5	0.07	0.23	-0.08	-0.02	0.17	-0.12	-578.74	-657.78	-579.35	-657.17	-6.92
		76	0.03	0.05	-0.23	-0.16	-0.02	-0.12	-177.69	-309.36	-236.55	-250.50	-65.47
		61	0.03	0.26	-0.32	-0.25	0.20	-0.18	-102.97	-292.45	-117.70	-277.73	-50.73
64	41	59	0.02	0.17	-0.04	0.02	0.10	-0.10	-9.02	-211.73	-9.58	-211.17	-10.66
		5	0.06	0.23	-0.08	-0.02	0.17	-0.12	-575.45	-655.30	-576.17	-654.58	-7.56
		76	0.03	0.05	-0.21	-0.14	-7.88e-03	-0.11	-174.72	-307.50	-234.34	-247.88	-66.04
		61	0.03	0.27	-0.30	-0.24	0.21	-0.18	-100.99	-290.72	-115.67	-276.04	-50.69
64	67	59	0.02	0.18	-2.47e-04	0.02	0.17	-0.06	7.00	-202.34	6.33	-201.66	-11.87
		5	0.06	0.24	-0.05	-0.03	0.21	-0.08	-557.22	-641.71	-558.70	-640.23	-11.10
		76	0.03	0.08	-0.09	-0.06	0.04	-0.07	-157.97	-296.47	-222.03	-232.41	-69.06
		61	0.03	0.32	-0.19	-0.15	0.29	-0.14	-90.01	-281.34	-104.39	-266.97	-50.43

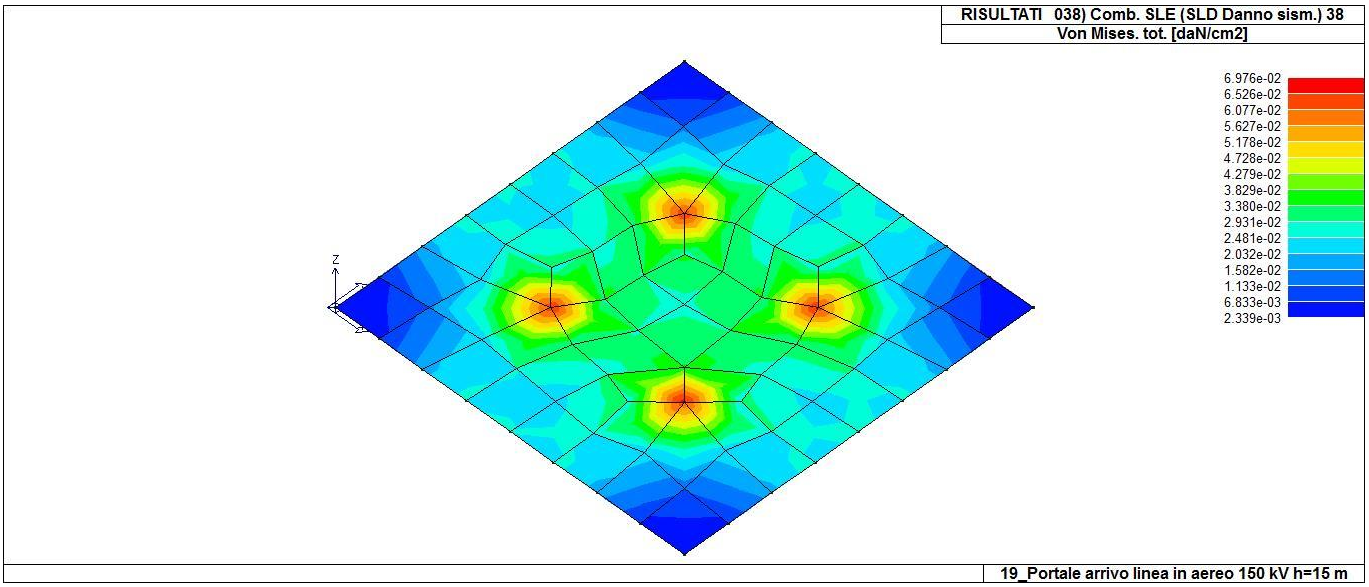
Elem.		**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-0.56	-0.41	-0.35	-0.27		-913.30	-878.68	-898.20	-116.24
		0.09	0.53		0.44	0.42	0.27	26.11		23.11	19.97	115.86



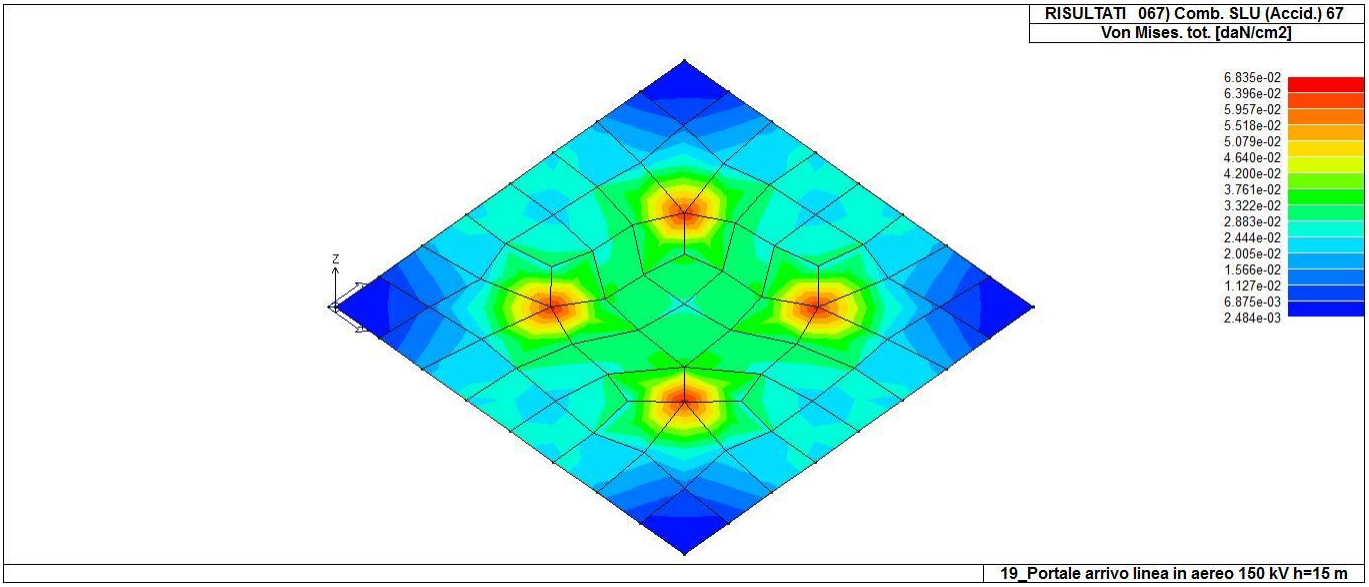
44_RIS_VONMISES_001_Comb. SLU A1 1



44_RIS_VONMISES_006_Comb. SLU A1 (SLV sism.) 6



44_RIS_VONMISES_038_Comb. SLE (SLD Danno sism.) 38



44_RIS_VONMISES_067_Comb. SLU (Accid.) 67