Firmato digitalmente da CALCARELLA FABIO C: IT

Marseglia Società Agricola S.r.l. *(componente agricola)*

Marseglia Amaranto Energia e Sviluppo S.r.l. *(componente fotovoltaica)*

IMPIANTO AGRIVOLTAICO

SITO NEL COMUNE DI ORTA NOVA

IN PROVINCIA DI FOGGIA

Valutazione di Impatto Ambientale

(artt. 23-24-25 del D.Lgs. 152/2006)

Commissione Tecnica PNRR-PNIEC

(art. 17 del D.L. 77/2021, convertito in L. 108/2021)

Prot. CIAE: DPE-0007123-P-10/08/2020

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Cartella	**VIA_2/**	*Identificatore*: **PAGRVLTREL20**	**Calcoli preliminari strutture SU - Relazione di calcolo**
Sottocartella	**P_AGRIVOLTAICO/**		

Descrizione Calcoli preliminari delle strutture della SU - Relazione di calcolo

Nome del file:	***Tipologia***	***Scala***
PAGRVLTREL20.pdf	Relazione	-

Autori elaborato: Ing. Fabio Calcarella

Rev.	***Data***	***Descrizione***
00	01/02/2022	Prima emissione
01		
02		

Spazio riservato agli Enti:

Sommario

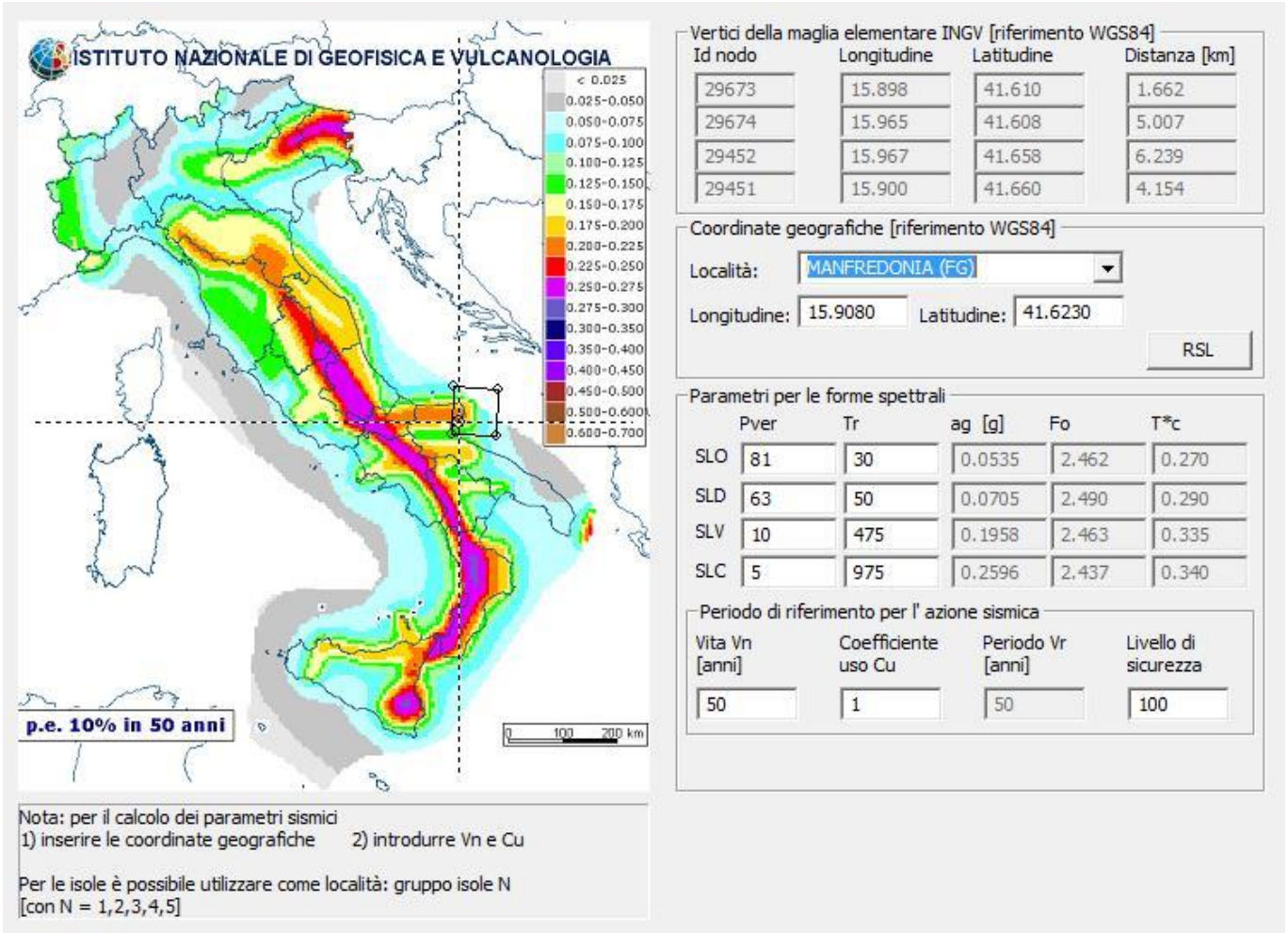
NORMATIVA DI RIFERIMENTO

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.



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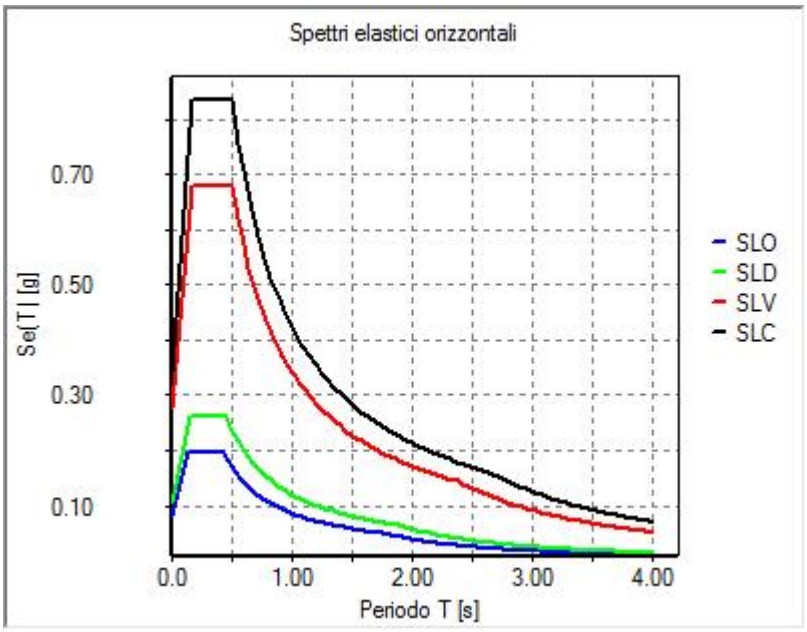

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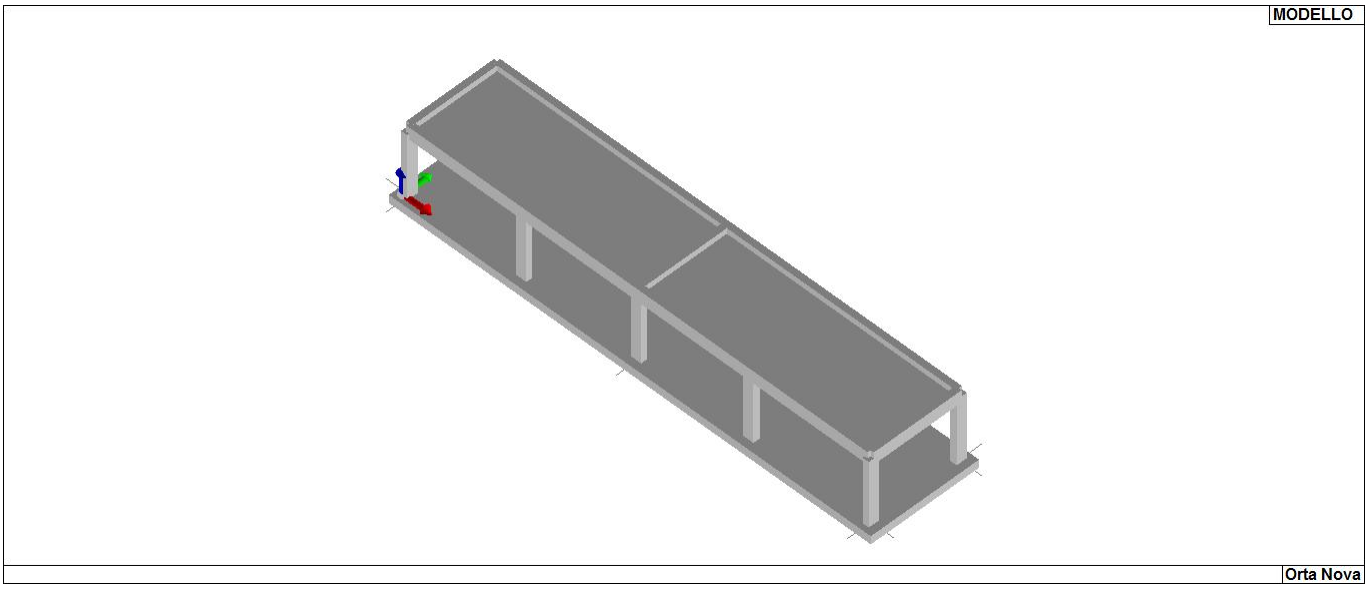

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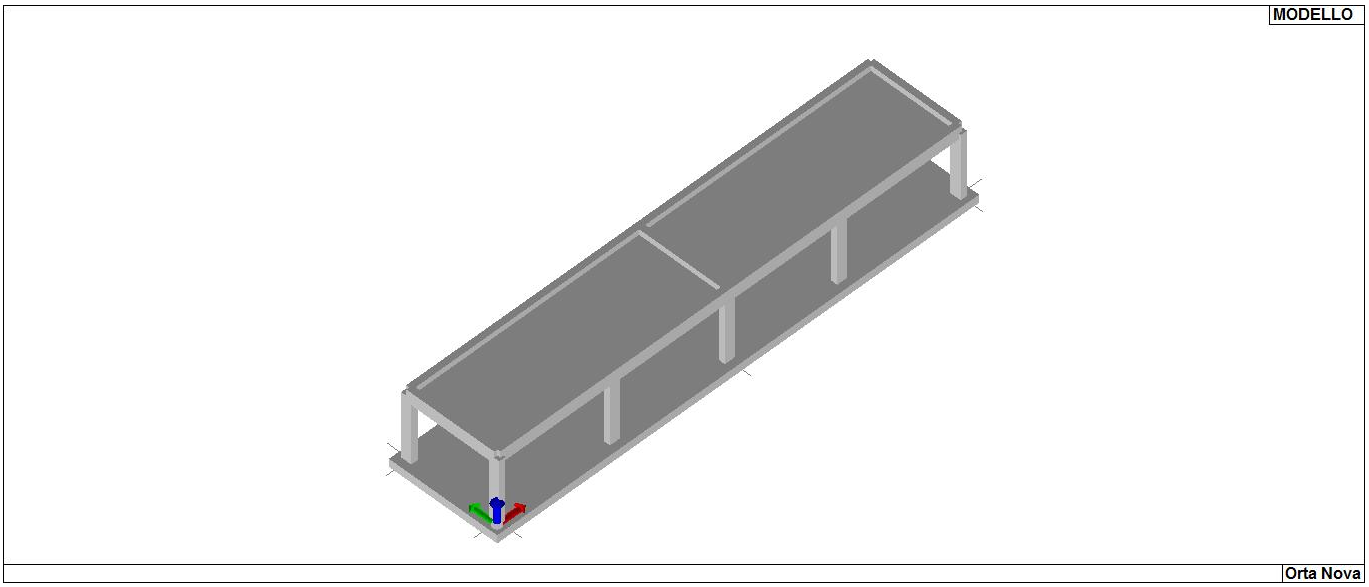

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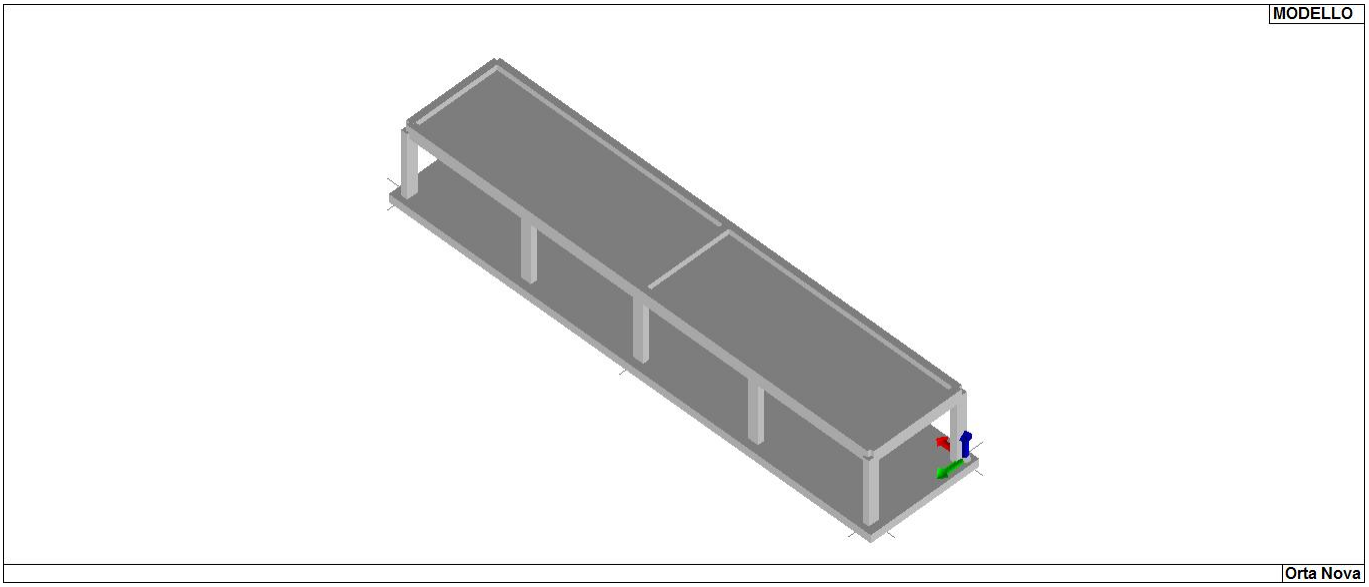

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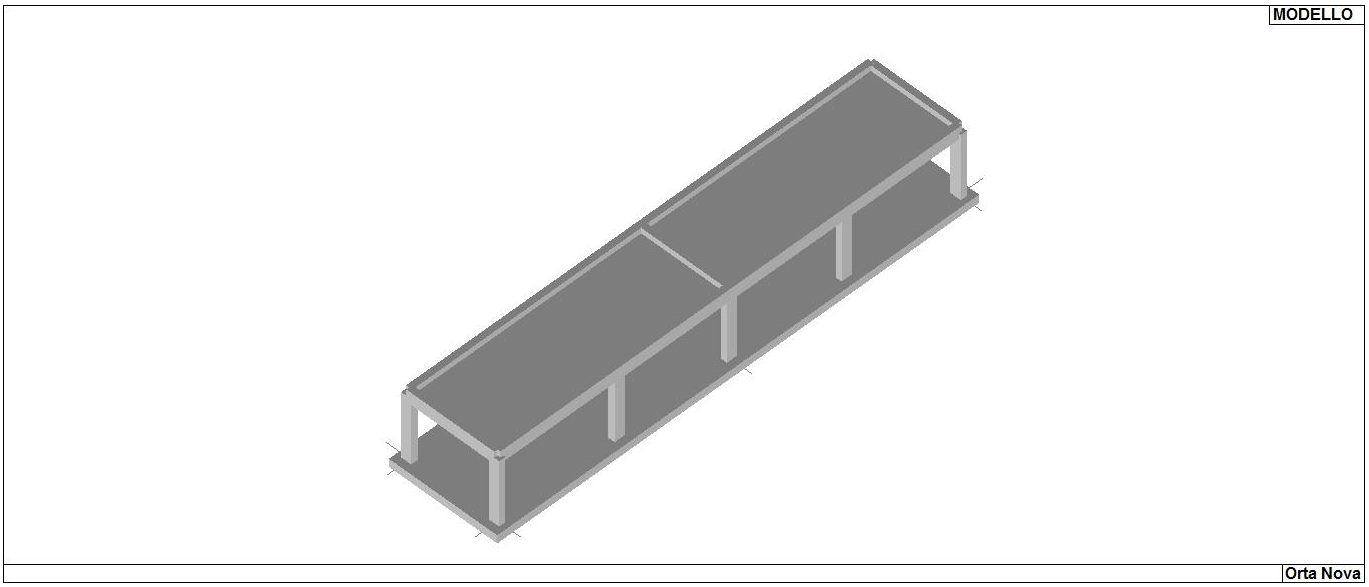


01_INT_VISTA_SOLIDA_004

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:

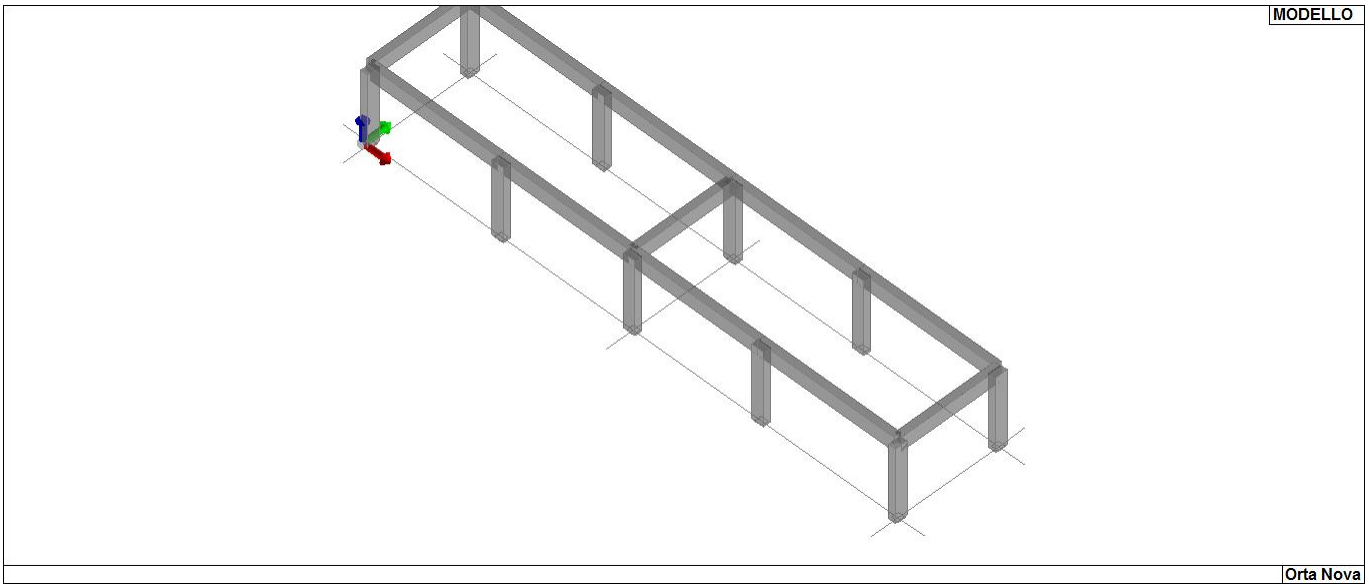
1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore 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

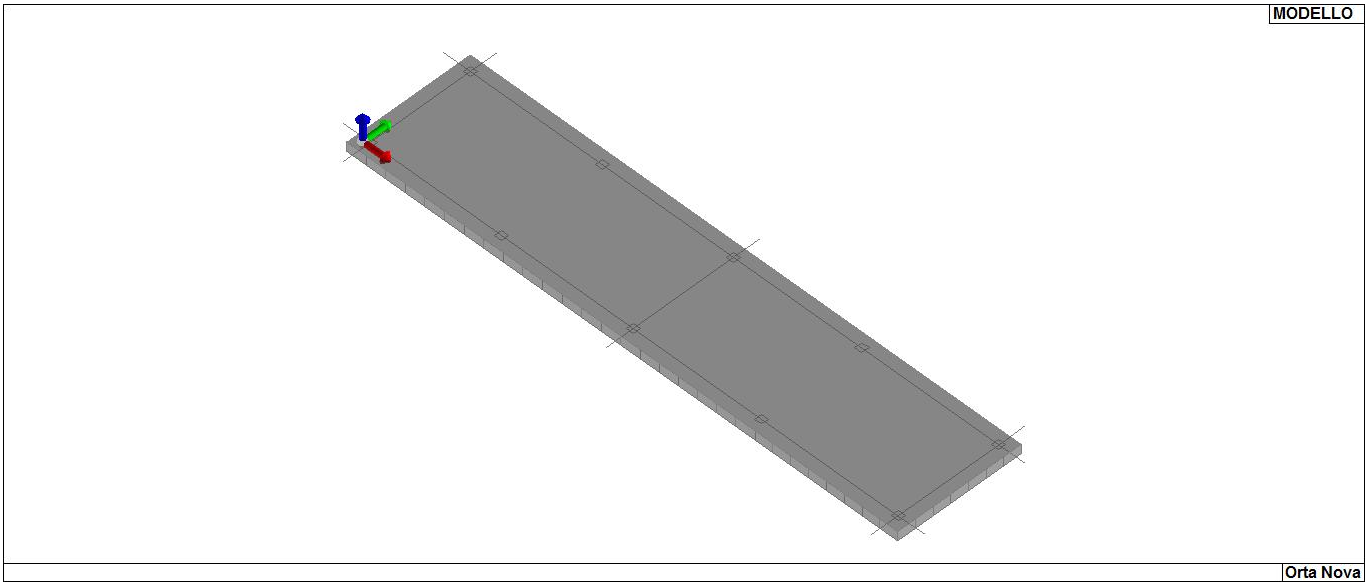
Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura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

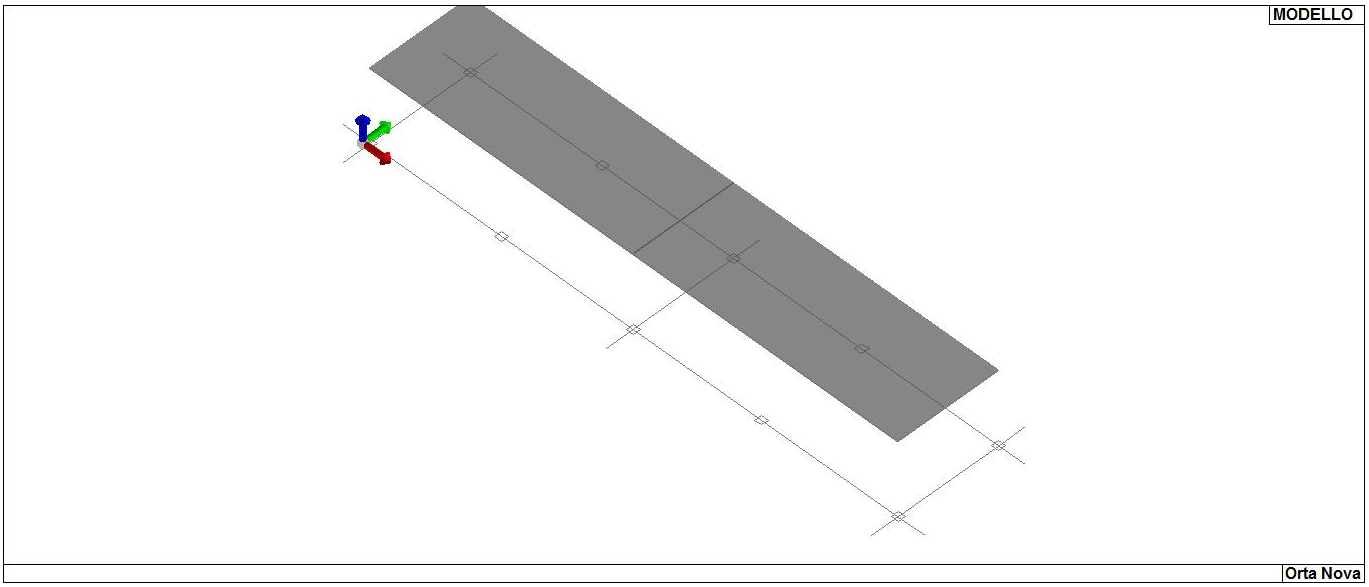
Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb					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

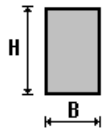
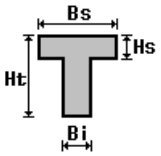
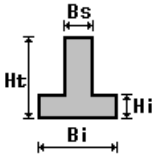
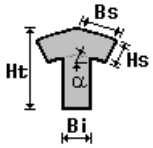
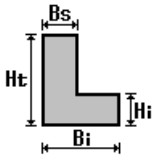
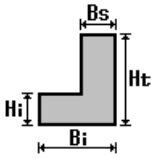
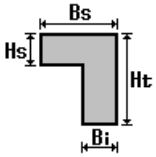
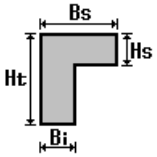
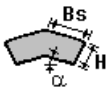
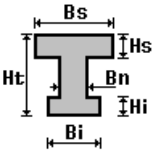
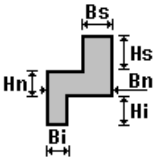
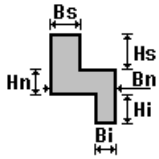
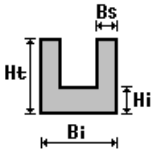
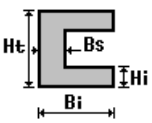
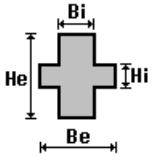
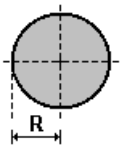
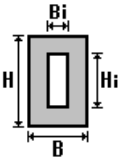
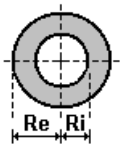
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

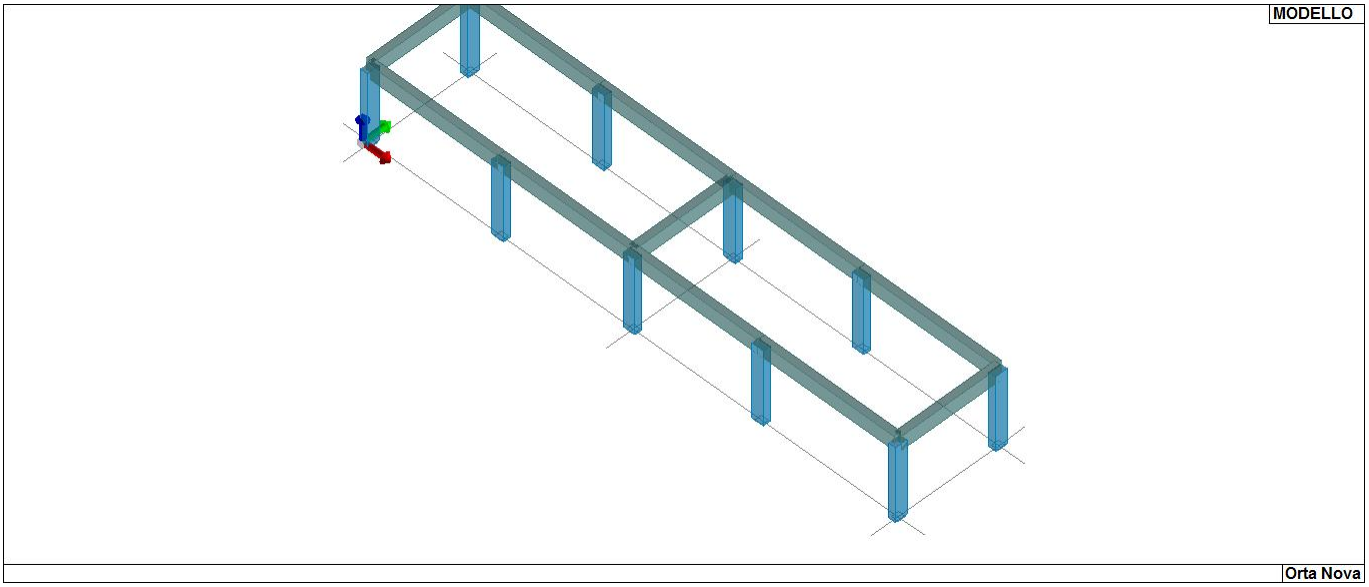
I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali 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	Pilastri-Rettangolare: b=50 h=30	1500.00	1250.00	1250.00	2.799e+05	3.125e+05	1.125e+05	1.250e+04	7500.00	1.875e+04	1.125e+04
3	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
13	T ribassata: bi=12 ht=30 bs=50 hs=5	550.00	0.0	0.0	1.488e+04	5.568e+04	4.683e+04	2227.33	2424.02	4025.00	4322.92



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:

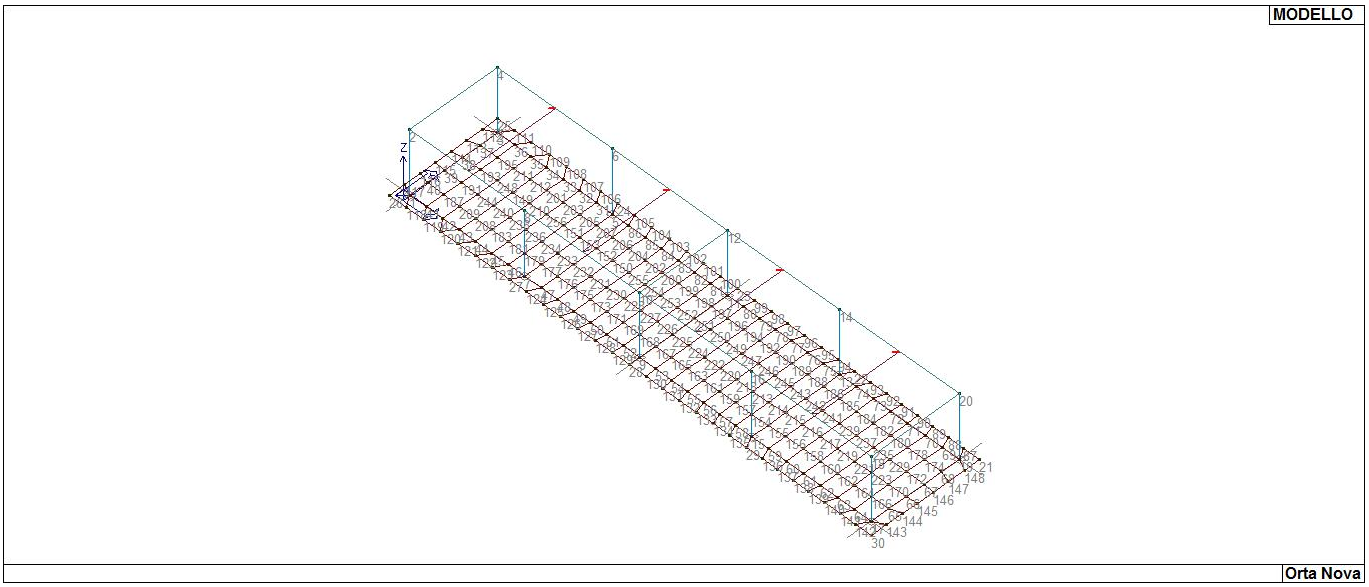
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, 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	15.0	15.0	320.0	3	15.0	445.0	0.0
4	15.0	445.0	320.0	5	577.5	445.0	0.0	6	577.5	445.0	320.0
7	577.5	15.0	0.0	8	577.5	15.0	320.0	9	1140.0	15.0	0.0
10	1140.0	15.0	320.0	11	1140.0	445.0	0.0	12	1140.0	445.0	320.0
13	1690.0	445.0	0.0	14	1690.0	445.0	320.0	15	1690.0	15.0	0.0
16	1690.0	15.0	320.0	17	2275.0	15.0	0.0	18	2275.0	15.0	320.0
19	2275.0	445.0	0.0	20	2275.0	445.0	320.0	21	2325.0	495.0	0.0
22	1714.1	495.0	0.0	23	1139.8	495.0	0.0	24	552.4	495.0	0.0
25	-35.0	495.0	0.0	26	-35.0	-35.0	0.0	27	552.4	-35.0	0.0
28	1139.8	-35.0	0.0	29	1714.1	-35.0	0.0	30	2325.0	-35.0	0.0
31	497.1	445.0	0.0	32	416.8	445.0	0.0	33	336.4	445.0	0.0
34	256.1	445.0	0.0	35	175.7	445.0	0.0	36	95.4	445.0	0.0
37	15.0	359.0	0.0	38	15.0	273.0	0.0	39	15.0	187.0	0.0
40	15.0	101.0	0.0	41	95.4	15.0	0.0	42	175.7	15.0	0.0
43	256.1	15.0	0.0	44	336.4	15.0	0.0	45	416.8	15.0	0.0
46	497.1	15.0	0.0	47	657.9	15.0	0.0	48	738.2	15.0	0.0
49	818.6	15.0	0.0	50	898.9	15.0	0.0	51	979.3	15.0	0.0
52	1059.6	15.0	0.0	53	1218.6	15.0	0.0	54	1297.1	15.0	0.0

55	1375.7	15.0	0.0	56	1454.3	15.0	0.0	57	1532.9	15.0	0.0
58	1611.4	15.0	0.0	59	1773.6	15.0	0.0	60	1857.1	15.0	0.0
61	1940.7	15.0	0.0	62	2024.3	15.0	0.0	63	2107.9	15.0	0.0
64	2191.4	15.0	0.0	65	2275.0	101.0	0.0	66	2275.0	187.0	0.0
67	2275.0	273.0	0.0	68	2275.0	359.0	0.0	69	2191.4	445.0	0.0
70	2107.9	445.0	0.0	71	2024.3	445.0	0.0	72	1940.7	445.0	0.0
73	1857.1	445.0	0.0	74	1773.6	445.0	0.0	75	1611.4	445.0	0.0
76	1532.9	445.0	0.0	77	1454.3	445.0	0.0	78	1375.7	445.0	0.0
79	1297.1	445.0	0.0	80	1218.6	445.0	0.0	81	1059.6	445.0	0.0
82	979.3	445.0	0.0	83	898.9	445.0	0.0	84	818.6	445.0	0.0
85	738.2	445.0	0.0	86	657.9	445.0	0.0	87	2248.6	495.0	0.0
88	2172.3	495.0	0.0	89	2095.9	495.0	0.0	90	2019.6	495.0	0.0
91	1943.2	495.0	0.0	92	1866.8	495.0	0.0	93	1790.5	495.0	0.0
94	1632.1	495.0	0.0	95	1550.0	495.0	0.0	96	1468.0	495.0	0.0
97	1385.9	495.0	0.0	98	1303.9	495.0	0.0	99	1221.8	495.0	0.0
100	1055.9	495.0	0.0	101	972.0	495.0	0.0	102	888.0	495.0	0.0
103	804.1	495.0	0.0	104	720.2	495.0	0.0	105	636.3	495.0	0.0
106	468.5	495.0	0.0	107	384.6	495.0	0.0	108	300.7	495.0	0.0
109	216.7	495.0	0.0	110	132.8	495.0	0.0	111	48.9	495.0	0.0
112	-35.0	419.3	0.0	113	-35.0	343.6	0.0	114	-35.0	267.9	0.0
115	-35.0	192.1	0.0	116	-35.0	116.4	0.0	117	-35.0	40.7	0.0
118	48.9	-35.0	0.0	119	132.8	-35.0	0.0	120	216.7	-35.0	0.0
121	300.7	-35.0	0.0	122	384.6	-35.0	0.0	123	468.5	-35.0	0.0
124	636.3	-35.0	0.0	125	720.2	-35.0	0.0	126	804.1	-35.0	0.0
127	888.0	-35.0	0.0	128	972.0	-35.0	0.0	129	1055.9	-35.0	0.0
130	1221.8	-35.0	0.0	131	1303.9	-35.0	0.0	132	1385.9	-35.0	0.0
133	1468.0	-35.0	0.0	134	1550.0	-35.0	0.0	135	1632.1	-35.0	0.0
136	1790.5	-35.0	0.0	137	1866.8	-35.0	0.0	138	1943.2	-35.0	0.0
139	2019.6	-35.0	0.0	140	2095.9	-35.0	0.0	141	2172.3	-35.0	0.0
142	2248.6	-35.0	0.0	143	2325.0	40.7	0.0	144	2325.0	116.4	0.0
145	2325.0	192.1	0.0	146	2325.0	267.9	0.0	147	2325.0	343.6	0.0
148	2325.0	419.3	0.0	149	257.5	277.7	0.0	150	738.2	284.3	0.0
151	497.1	284.3	0.0	152	657.9	284.3	0.0	153	577.5	284.3	0.0
154	1611.4	93.8	0.0	155	1690.0	96.2	0.0	156	1773.6	98.3	0.0
157	1532.9	93.6	0.0	158	1857.1	98.6	0.0	159	1454.3	93.6	0.0
160	1940.7	98.6	0.0	161	1375.7	93.6	0.0	162	2024.3	98.6	0.0
163	1297.1	93.6	0.0	164	2107.9	98.6	0.0	165	1218.6	93.7	0.0
166	2190.3	99.8	0.0	167	1140.0	94.5	0.0	168	1059.6	95.3	0.0
169	979.3	95.4	0.0	170	2189.6	186.6	0.0	171	898.9	95.4	0.0
172	2189.4	273.7	0.0	173	818.6	95.4	0.0	174	2190.3	360.2	0.0
175	738.2	95.4	0.0	176	657.9	95.4	0.0	177	577.5	95.4	0.0
178	2107.9	361.4	0.0	179	497.1	95.4	0.0	180	2024.3	361.4	0.0
181	416.8	95.4	0.0	182	1940.7	361.4	0.0	183	336.4	95.4	0.0
184	1857.1	361.4	0.0	185	1773.6	361.7	0.0	186	1690.0	363.8	0.0
187	96.1	98.6	0.0	188	1611.4	366.2	0.0	189	1532.9	366.4	0.0
190	1454.3	366.4	0.0	191	98.9	185.4	0.0	192	1375.7	366.4	0.0
193	99.5	274.3	0.0	194	1297.1	366.4	0.0	195	97.1	360.4	0.0
196	1218.6	366.3	0.0	197	1140.0	365.5	0.0	198	1059.6	364.7	0.0
199	979.3	364.6	0.0	200	898.9	364.6	0.0	201	336.4	364.6	0.0
202	818.6	364.6	0.0	203	416.8	364.6	0.0	204	738.2	364.6	0.0
205	497.1	364.6	0.0	206	657.9	364.6	0.0	207	577.5	364.6	0.0
208	256.4	97.1	0.0	209	177.1	97.8	0.0	210	337.2	278.5	0.0
211	177.3	362.0	0.0	212	256.1	363.1	0.0	213	1532.6	174.6	0.0
214	1610.0	175.3	0.0	215	1688.4	180.8	0.0	216	1772.4	182.5	0.0
217	1857.0	182.1	0.0	218	1454.2	174.6	0.0	219	1940.7	182.1	0.0
220	1375.7	177.6	0.0	221	2024.3	182.2	0.0	222	1297.3	174.8	0.0
223	2105.9	184.8	0.0	224	1219.1	174.8	0.0	225	1140.5	178.2	0.0
226	1060.0	180.9	0.0	227	979.2	181.4	0.0	228	898.7	180.1	0.0
229	2105.9	275.1	0.0	230	818.6	175.7	0.0	231	738.2	175.7	0.0
232	657.9	175.7	0.0	233	577.5	175.7	0.0	234	497.1	175.7	0.0
235	2024.3	277.8	0.0	236	417.2	181.2	0.0	237	1940.7	277.9	0.0
238	337.1	180.3	0.0	239	1857.0	277.9	0.0	240	258.0	182.6	0.0
241	1772.4	278.4	0.0	242	1688.6	280.0	0.0	243	1609.9	282.1	0.0
244	180.1	181.2	0.0	245	1532.5	285.1	0.0	246	1454.2	285.2	0.0
247	1375.7	280.8	0.0	248	179.9	277.8	0.0	249	1297.3	285.4	0.0
250	1219.0	285.3	0.0	251	1140.7	283.8	0.0	252	1059.9	280.6	0.0
253	979.1	280.2	0.0	254	898.6	278.8	0.0	255	818.6	284.3	0.0
256	417.1	279.9	0.0								

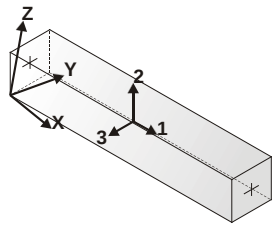


14_MOD_NUMERAZIONE_NODI

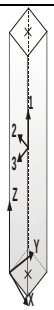
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

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

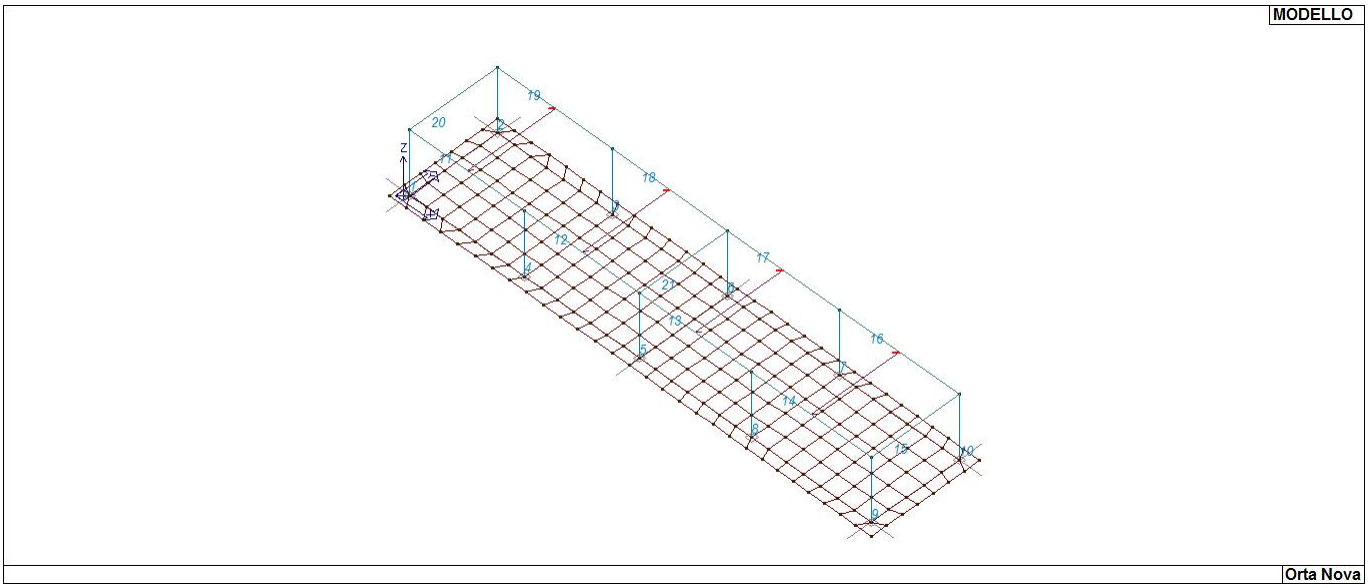


orientamento elementi 2D verticali

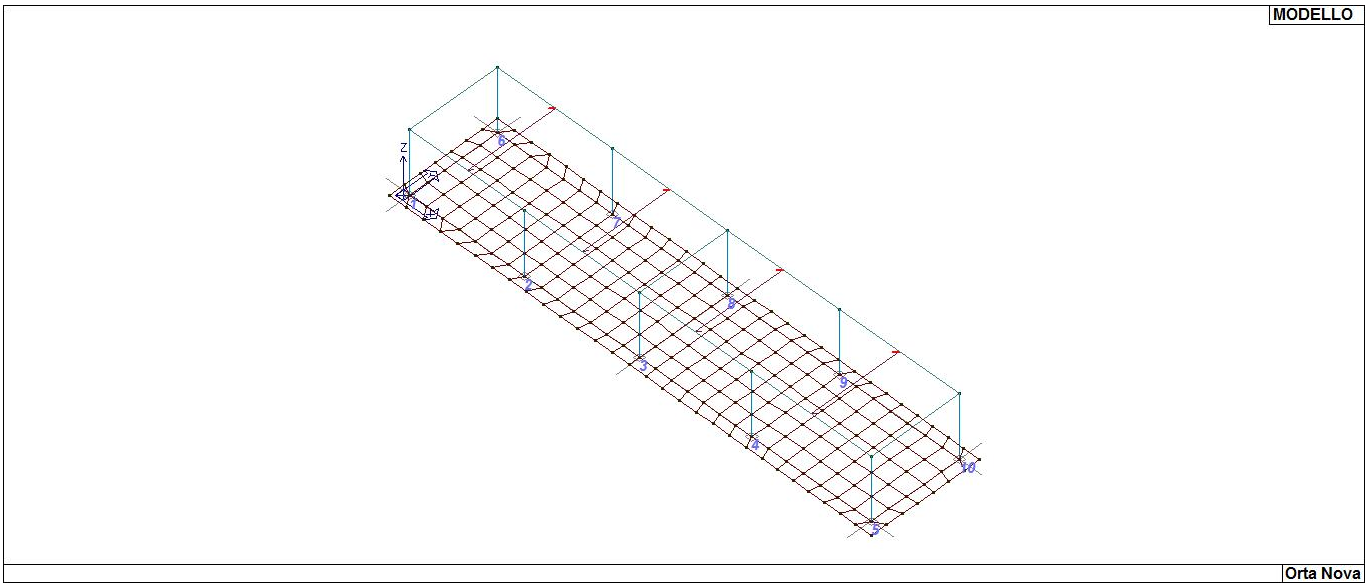
In particolare per ogni elemento viene indicato in tabella:

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

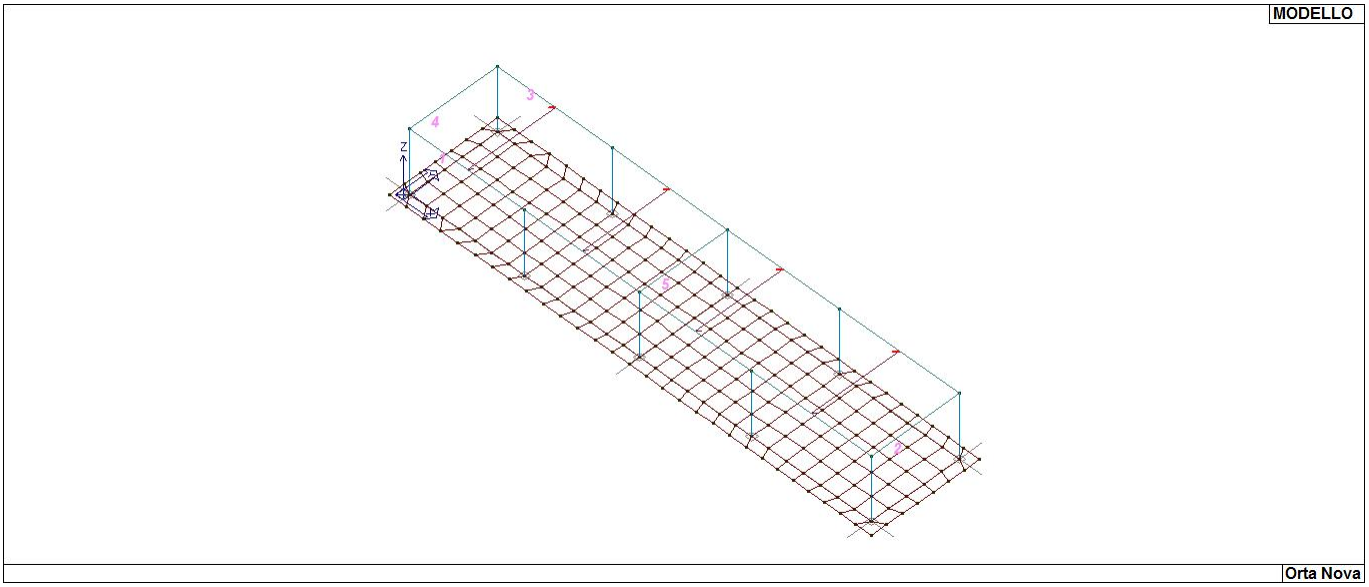
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Pilas.	1	2	1	2	3					
2	Pilas.	3	4	1	2	3					
3	Pilas.	5	6	1	2	3	90.00				
4	Pilas.	7	8	1	2	3	90.00				
5	Pilas.	9	10	1	2	3	90.00				
6	Pilas.	11	12	1	2	3	90.00				
7	Pilas.	13	14	1	2	3	90.00	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



15_MOD_NUMERAZIONE_D2



15_MOD_NUMERAZIONE_D2_PILASTRATE

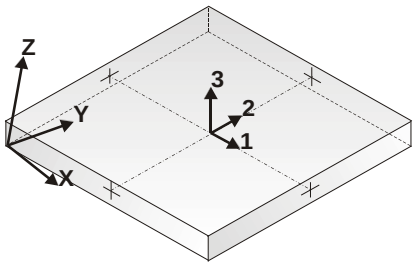


15_MOD_NUMERAZIONE_D2_TRAVATE

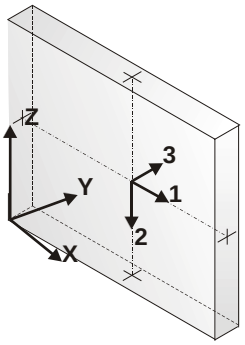
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

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

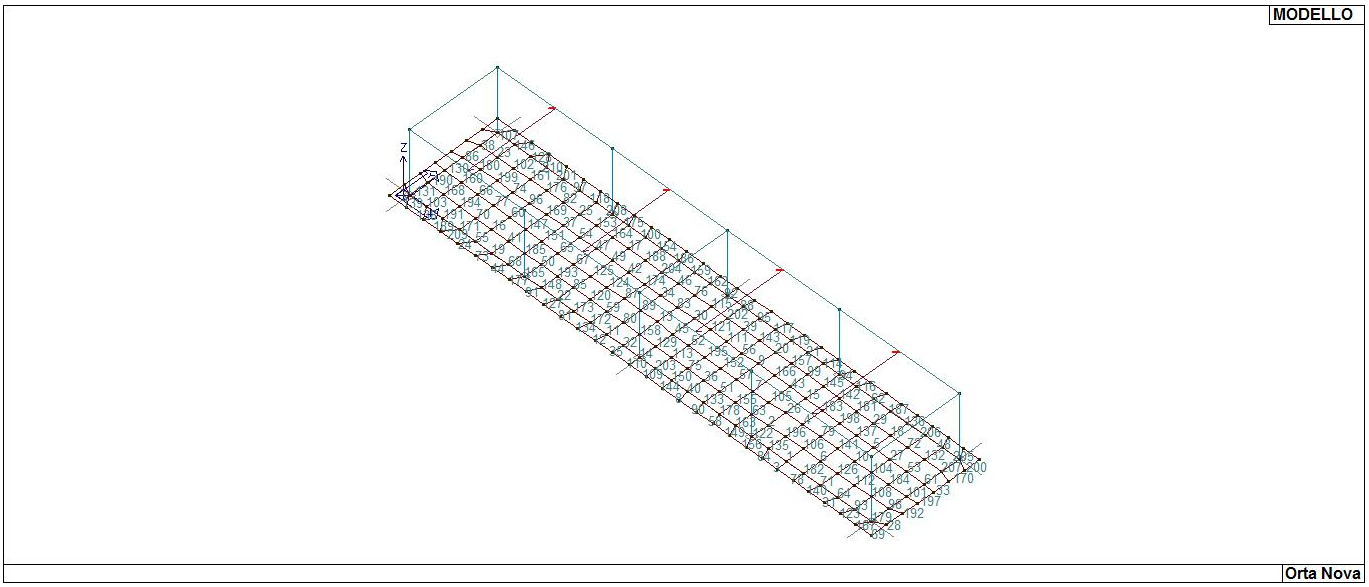
In particolare per ogni elemento viene indicato in tabella:

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

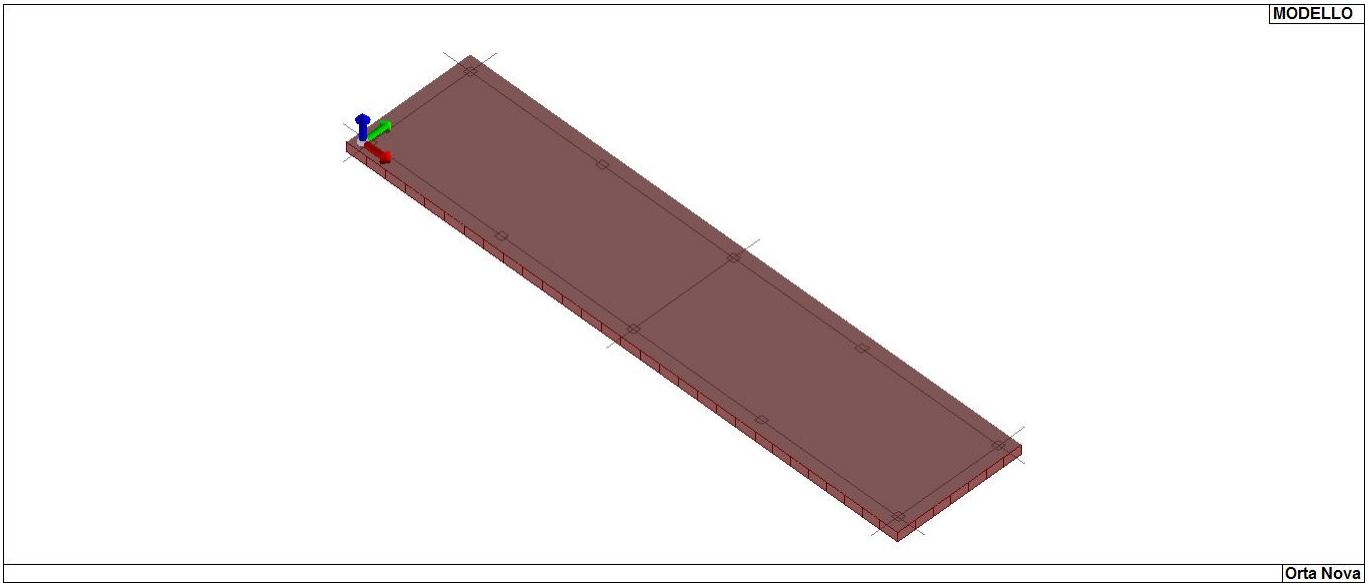
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	59	60	158	156	1	3	40.0		5.52	2.76
2	Guscio fond.	154	155	215	214	1	3	40.0		4.42	2.21
3	Guscio fond.	136	137	60	59	1	3	40.0		9.08	4.54
4	Guscio fond.	215	216	241	242	1	3	40.0		4.35	2.17
5	Guscio fond.	237	235	180	182	1	3	40.0		4.64	2.32
6	Guscio fond.	158	160	219	217	1	3	40.0		4.59	2.29
7	Guscio fond.	218	213	245	246	1	3	40.0		4.30	2.15
8	Guscio fond.	131	132	55	54	1	3	40.0		8.01	4.00
9	Guscio fond.	247	246	190	192	1	3	40.0		4.41	2.20
10	Guscio fond.	219	221	235	237	1	3	40.0		4.53	2.26
11	Guscio fond.	50	51	169	171	1	3	40.0		5.32	2.66
12	Guscio fond.	127	128	51	50	1	3	40.0		8.27	4.14
13	Guscio fond.	227	226	252	253	1	3	40.0		4.28	2.14
14	Guscio fond.	52	9	167	168	1	3	40.0		5.16	2.58
15	Guscio fond.	243	242	186	188	1	3	40.0		4.42	2.21
16	Guscio fond.	208	183	238	240	1	3	40.0		4.62	2.31
17	Guscio fond.	206	204	85	86	1	3	40.0		5.41	2.70
18	Guscio fond.	182	180	71	72	1	3	40.0		5.69	2.84
19	Guscio fond.	44	45	181	183	1	3	40.0		5.60	2.80
20	Guscio fond.	192	190	77	78	1	3	40.0		5.22	2.61
21	Guscio fond.	77	76	95	96	1	3	40.0		8.02	4.01
22	Guscio fond.	47	48	175	176	1	3	40.0		5.41	2.70
23	Guscio fond.	37	195	36	3	1	3	40.0		7.39	3.69
24	Guscio fond.	120	121	44	43	1	3	40.0		9.29	4.65
25	Guscio fond.	203	205	31	32	1	3	40.0		5.51	2.75
26	Guscio fond.	214	215	242	243	1	3	40.0		4.31	2.16
27	Guscio fond.	235	229	178	180	1	3	40.0		4.83	2.41
28	Guscio fond.	17	143	144	65	1	3	40.0		10.00	5.00
29	Guscio fond.	184	182	72	73	1	3	40.0		5.62	2.81
30	Guscio fond.	252	251	197	198	1	3	40.0		4.37	2.18
31	Guscio fond.	139	140	63	62	1	3	40.0		9.36	4.68
32	Guscio fond.	51	52	168	169	1	3	40.0		5.19	2.59
33	Guscio fond.	67	146	147	68	1	3	40.0		9.35	4.67
34	Guscio fond.	254	253	199	200	1	3	40.0		4.41	2.21
35	Guscio fond.	128	129	52	51	1	3	40.0		7.99	3.99
36	Guscio fond.	163	161	220	222	1	3	40.0		4.40	2.20
37	Guscio fond.	256	151	205	203	1	3	40.0		4.51	2.25
38	Guscio fond.	113	37	3	112	1	3	40.0		10.00	5.00
39	Guscio fond.	196	194	79	80	1	3	40.0		5.17	2.59
40	Guscio fond.	54	55	161	163	1	3	40.0		5.20	2.60
41	Guscio fond.	183	181	236	238	1	3	40.0		4.57	2.28
42	Guscio fond.	150	255	202	204	1	3	40.0		4.43	2.22
43	Guscio fond.	245	243	188	189	1	3	40.0		4.41	2.20
44	Guscio fond.	122	123	46	45	1	3	40.0		9.05	4.52
45	Guscio fond.	226	225	251	252	1	3	40.0		4.26	2.13
46	Guscio fond.	200	199	82	83	1	3	40.0		5.32	2.66
47	Guscio fond.	153	152	206	207	1	3	40.0		4.43	2.21
48	Guscio fond.	70	69	88	89	1	3	40.0		9.61	4.80
49	Guscio fond.	152	150	204	206	1	3	40.0		4.42	2.21
50	Guscio fond.	179	177	233	234	1	3	40.0		4.46	2.23
51	Guscio fond.	161	159	218	220	1	3	40.0		4.41	2.20
52	Guscio fond.	225	224	250	251	1	3	40.0		4.26	2.13
53	Guscio fond.	229	172	174	178	1	3	40.0		5.26	2.63
54	Guscio fond.	151	153	207	205	1	3	40.0		4.46	2.23
55	Guscio fond.	43	44	183	208	1	3	40.0		5.65	2.83
56	Guscio fond.	249	247	192	194	1	3	40.0		4.40	2.20
57	Guscio fond.	220	218	246	247	1	3	40.0		4.30	2.15
58	Guscio fond.	133	134	57	56	1	3	40.0		8.02	4.01
59	Guscio fond.	173	171	228	230	1	3	40.0		4.43	2.22
60	Guscio fond.	240	238	210	149	1	3	40.0		4.50	2.25
61	Guscio fond.	172	67	68	174	1	3	40.0		6.26	3.13
62	Guscio fond.	74	73	92	93	1	3	40.0		9.08	4.54
63	Guscio fond.	157	154	214	213	1	3	40.0		4.41	2.20
64	Guscio fond.	62	63	164	162	1	3	40.0		5.94	2.97
65	Guscio fond.	234	233	153	151	1	3	40.0		4.35	2.18
66	Guscio fond.	191	244	248	193	1	3	40.0		4.98	2.49
67	Guscio fond.	233	232	152	153	1	3	40.0		4.33	2.16
68	Guscio fond.	45	46	179	181	1	3	40.0		5.51	2.75
69	Guscio fond.	142	30	143	17	1	3	40.0		10.00	5.00
70	Guscio fond.	209	208	240	244	1	3	40.0		4.81	2.41
71	Guscio fond.	61	62	162	160	1	3	40.0		5.69	2.84
72	Guscio fond.	180	178	70	71	1	3	40.0		5.94	2.97
73	Guscio fond.	121	122	45	44	1	3	40.0		9.20	4.60

74Guscio fond.	248	149	212	211	1	3	40.0	4.81	2.41
75Guscio fond.	165	163	222	224	1	3	40.0	4.38	2.19
76Guscio fond.	199	198	81	82	1	3	40.0	5.19	2.59
77Guscio fond.	244	240	149	248	1	3	40.0	4.55	2.27
78Guscio fond.	137	138	61	60	1	3	40.0	9.26	4.63
79Guscio fond.	216	217	239	241	1	3	40.0	4.41	2.21
80Guscio fond.	171	169	227	228	1	3	40.0	4.41	2.21
81Guscio fond.	125	126	49	48	1	3	40.0	8.51	4.26
82Guscio fond.	201	203	32	33	1	3	40.0	5.59	2.80
83Guscio fond.	253	252	198	199	1	3	40.0	4.39	2.19
84Guscio fond.	29	136	59	15	1	3	40.0	8.70	4.35
85Guscio fond.	176	175	231	232	1	3	40.0	4.42	2.21
86Guscio fond.	114	38	37	113	1	3	40.0	9.41	4.70
87Guscio fond.	230	228	254	255	1	3	40.0	4.32	2.16
88Guscio fond.	11	80	99	23	1	3	40.0	7.91	3.95
89Guscio fond.	228	227	253	254	1	3	40.0	4.31	2.15
90Guscio fond.	132	133	56	55	1	3	40.0	8.03	4.02
91Guscio fond.	27	124	47	7	1	3	40.0	8.44	4.22
92Guscio fond.	81	11	23	100	1	3	40.0	7.92	3.96
93Guscio fond.	63	64	166	164	1	3	40.0	6.36	3.18
94Guscio fond.	75	13	22	94	1	3	40.0	8.20	4.10
95Guscio fond.	80	79	98	99	1	3	40.0	7.95	3.98
96Guscio fond.	149	210	201	212	1	3	40.0	4.62	2.31
97Guscio fond.	33	32	107	108	1	3	40.0	9.20	4.60
98Guscio fond.	166	65	66	170	1	3	40.0	6.26	3.13
99Guscio fond.	189	188	75	76	1	3	40.0	5.20	2.60
100Guscio fond.	86	85	104	105	1	3	40.0	8.46	4.23
101Guscio fond.	170	66	67	172	1	3	40.0	6.06	3.03
102Guscio fond.	195	211	35	36	1	3	40.0	6.36	3.18
103Guscio fond.	1	41	187	40	1	3	40.0	7.39	3.70
104Guscio fond.	221	223	229	235	1	3	40.0	4.57	2.28
105Guscio fond.	213	214	243	245	1	3	40.0	4.30	2.15
106Guscio fond.	156	158	217	216	1	3	40.0	4.52	2.26
107Guscio fond.	112	3	111	25	1	3	40.0	10.00	5.00
108Guscio fond.	164	166	170	223	1	3	40.0	5.26	2.63
109Guscio fond.	28	130	53	9	1	3	40.0	7.91	3.95
110Guscio fond.	129	28	9	52	1	3	40.0	7.92	3.96
111Guscio fond.	250	249	194	196	1	3	40.0	4.38	2.19
112Guscio fond.	162	164	223	221	1	3	40.0	4.83	2.41
113Guscio fond.	167	165	224	225	1	3	40.0	4.36	2.18
114Guscio fond.	76	75	94	95	1	3	40.0	7.99	3.99
115Guscio fond.	198	197	11	81	1	3	40.0	5.16	2.58
116Guscio fond.	13	74	93	22	1	3	40.0	8.70	4.35
117Guscio fond.	79	78	97	98	1	3	40.0	8.01	4.00
118Guscio fond.	32	31	106	107	1	3	40.0	9.04	4.52
119Guscio fond.	78	77	96	97	1	3	40.0	8.03	4.02
120Guscio fond.	175	173	230	231	1	3	40.0	4.43	2.22
121Guscio fond.	251	250	196	197	1	3	40.0	4.37	2.18
122Guscio fond.	58	15	155	154	1	3	40.0	5.29	2.65
123Guscio fond.	140	141	64	63	1	3	40.0	9.61	4.80
124Guscio fond.	231	230	255	150	1	3	40.0	4.33	2.16
125Guscio fond.	232	231	150	152	1	3	40.0	4.32	2.16
126Guscio fond.	160	162	221	219	1	3	40.0	4.64	2.32
127Guscio fond.	124	125	48	47	1	3	40.0	8.46	4.23
128Guscio fond.	36	35	109	110	1	3	40.0	9.59	4.80
129Guscio fond.	168	167	225	226	1	3	40.0	4.37	2.18
130Guscio fond.	115	39	38	114	1	3	40.0	9.08	4.54
131Guscio fond.	117	1	40	116	1	3	40.0	10.00	5.00
132Guscio fond.	178	174	69	70	1	3	40.0	6.36	3.18
133Guscio fond.	55	56	159	161	1	3	40.0	5.22	2.61
134Guscio fond.	126	127	50	49	1	3	40.0	8.54	4.27
135Guscio fond.	15	59	156	155	1	3	40.0	5.43	2.72
136Guscio fond.	72	71	90	91	1	3	40.0	9.37	4.68
137Guscio fond.	239	237	182	184	1	3	40.0	4.59	2.29
138Guscio fond.	118	119	41	1	1	3	40.0	10.00	5.00
139Guscio fond.	26	118	1	117	1	3	40.0	10.00	5.00
140Guscio fond.	138	139	62	61	1	3	40.0	9.37	4.68
141Guscio fond.	217	219	237	239	1	3	40.0	4.48	2.24
142Guscio fond.	186	185	74	13	1	3	40.0	5.43	2.72
143Guscio fond.	194	192	78	79	1	3	40.0	5.20	2.60
144Guscio fond.	130	131	54	53	1	3	40.0	7.95	3.98
145Guscio fond.	188	186	13	75	1	3	40.0	5.29	2.65
146Guscio fond.	3	36	110	111	1	3	40.0	10.00	5.00
147Guscio fond.	238	236	256	210	1	3	40.0	4.45	2.23
148Guscio fond.	7	47	176	177	1	3	40.0	5.40	2.70
149Guscio fond.	134	135	58	57	1	3	40.0	7.99	3.99

150Guscio fond.	53	54	163	165	1	3	40.0	5.17	2.59
151Guscio fond.	236	234	151	256	1	3	40.0	4.40	2.20
152Guscio fond.	222	220	247	249	1	3	40.0	4.29	2.14
153Guscio fond.	205	207	5	31	1	3	40.0	5.43	2.72
154Guscio fond.	85	84	103	104	1	3	40.0	8.51	4.26
155Guscio fond.	159	157	213	218	1	3	40.0	4.41	2.20
156Guscio fond.	135	29	15	58	1	3	40.0	8.20	4.10
157Guscio fond.	190	189	76	77	1	3	40.0	5.21	2.61
158Guscio fond.	169	168	226	227	1	3	40.0	4.39	2.19
159Guscio fond.	83	82	101	102	1	3	40.0	8.27	4.14
160Guscio fond.	39	191	193	38	1	3	40.0	6.08	3.04
161Guscio fond.	211	212	34	35	1	3	40.0	5.92	2.96
162Guscio fond.	82	81	100	101	1	3	40.0	7.99	3.99
163Guscio fond.	57	58	154	157	1	3	40.0	5.20	2.60
164Guscio fond.	207	206	86	5	1	3	40.0	5.40	2.70
165Guscio fond.	46	7	177	179	1	3	40.0	5.43	2.72
166Guscio fond.	246	245	189	190	1	3	40.0	4.41	2.20
167Guscio fond.	141	142	17	64	1	3	40.0	10.00	5.00
168Guscio fond.	40	187	191	39	1	3	40.0	6.29	3.15
169Guscio fond.	210	256	203	201	1	3	40.0	4.57	2.28
170Guscio fond.	68	147	148	19	1	3	40.0	10.00	5.00
171Guscio fond.	42	43	208	209	1	3	40.0	5.92	2.96
172Guscio fond.	49	50	171	173	1	3	40.0	5.43	2.72
173Guscio fond.	48	49	173	175	1	3	40.0	5.43	2.71
174Guscio fond.	255	254	200	202	1	3	40.0	4.43	2.22
175Guscio fond.	5	86	105	24	1	3	40.0	8.44	4.22
176Guscio fond.	212	201	33	34	1	3	40.0	5.65	2.83
177Guscio fond.	123	27	7	46	1	3	40.0	8.69	4.35
178Guscio fond.	56	57	157	159	1	3	40.0	5.21	2.61
179Guscio fond.	64	17	65	166	1	3	40.0	7.35	3.68
180Guscio fond.	38	193	195	37	1	3	40.0	6.29	3.14
181Guscio fond.	185	184	73	74	1	3	40.0	5.52	2.76
182Guscio fond.	60	61	160	158	1	3	40.0	5.62	2.81
183Guscio fond.	242	241	185	186	1	3	40.0	4.45	2.23
184Guscio fond.	223	170	172	229	1	3	40.0	4.98	2.49
185Guscio fond.	181	179	234	236	1	3	40.0	4.51	2.25
186Guscio fond.	84	83	102	103	1	3	40.0	8.54	4.27
187Guscio fond.	73	72	91	92	1	3	40.0	9.26	4.63
188Guscio fond.	204	202	84	85	1	3	40.0	5.43	2.71
189Guscio fond.	119	120	42	41	1	3	40.0	9.60	4.80
190Guscio fond.	116	40	39	115	1	3	40.0	9.41	4.70
191Guscio fond.	41	42	209	187	1	3	40.0	6.36	3.18
192Guscio fond.	65	144	145	66	1	3	40.0	9.35	4.67
193Guscio fond.	177	176	232	233	1	3	40.0	4.43	2.21
194Guscio fond.	187	209	244	191	1	3	40.0	5.27	2.63
195Guscio fond.	224	222	249	250	1	3	40.0	4.27	2.14
196Guscio fond.	155	156	216	215	1	3	40.0	4.45	2.23
197Guscio fond.	66	145	146	67	1	3	40.0	9.02	4.51
198Guscio fond.	241	239	184	185	1	3	40.0	4.52	2.26
199Guscio fond.	193	248	211	195	1	3	40.0	5.27	2.63
200Guscio fond.	19	148	21	87	1	3	40.0	10.00	5.00
201Guscio fond.	34	33	108	109	1	3	40.0	9.28	4.64
202Guscio fond.	197	196	80	11	1	3	40.0	5.15	2.58
203Guscio fond.	9	53	165	167	1	3	40.0	5.15	2.58
204Guscio fond.	202	200	83	84	1	3	40.0	5.43	2.72
205Guscio fond.	69	19	87	88	1	3	40.0	10.00	5.00
206Guscio fond.	71	70	89	90	1	3	40.0	9.36	4.68
207Guscio fond.	174	68	19	69	1	3	40.0	7.35	3.68
208Guscio fond.	31	5	24	106	1	3	40.0	8.69	4.35
209Guscio fond.	42	120	43		1	3	40.0	8.39	4.20
210Guscio fond.	35	34	109		1	3	40.0	8.40	4.20



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	8 2	10	12	6	4
2	CM	7	m=1	5.0	90.0	5.00e-02		2.00e-02	16 10	18	20	14	12

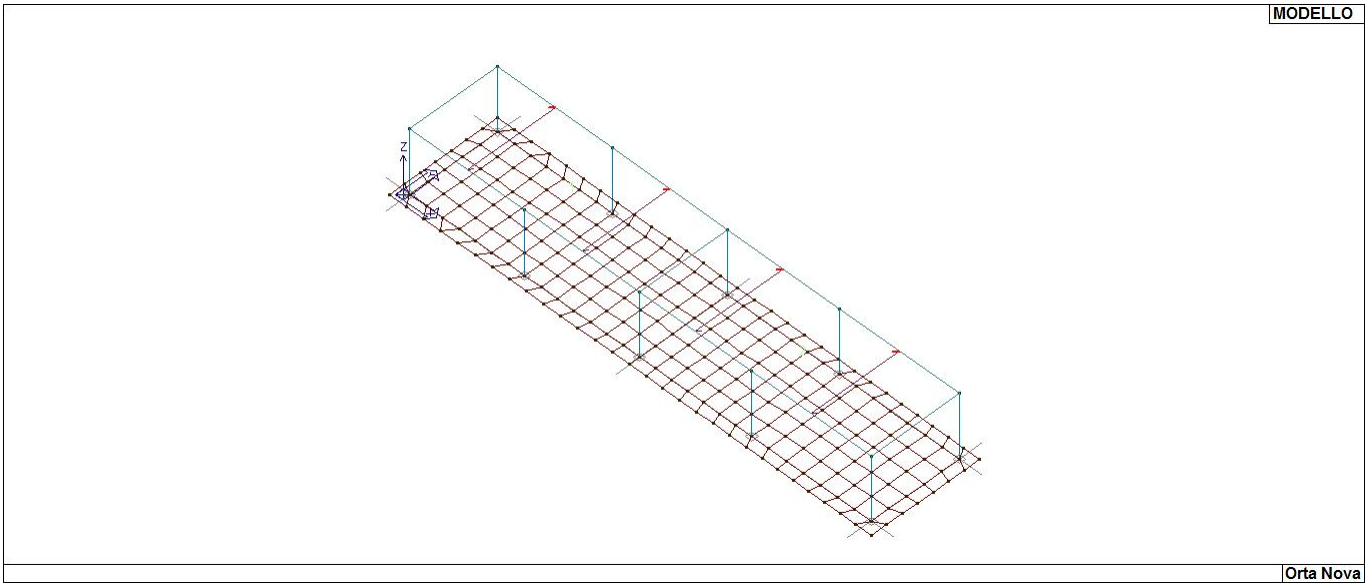
Elem.	Stato	Note	f ist	f infi	Pos.	Momento	Af inf.	Af. sup	V N/M	x/d	Taglio	Af V	verif. V	B eff
			cm	cm	cm	daN cm	cm2	cm2			daN	cm2		cm

1	ok Ls=13,m=1	-0.19	-0.14	0.0	-3.513e+04	0.26	1.05	0.30	0.03	-1021.25	0.0	0.16	50.0
				15.0	-2.035e+04	0.67	1.05	0.18	0.07	-950.00	0.0	0.64	12.0
				215.0	7.465e+04	1.05	0.0	0.64	0.03	0.0	0.0	0.0	12.0
				415.0	-2.035e+04	0.67	1.05	0.18	0.07	950.00	0.0	0.64	12.0
				430.0	-3.513e+04	0.26	1.05	0.30	0.03	1021.25	0.0	0.16	50.0
2	ok Ls=13,m=1	-0.19	-0.14	0.0	-3.513e+04	0.26	1.05	0.30	0.03	-1021.25	0.0	0.16	50.0
				15.0	-2.035e+04	0.67	1.05	0.18	0.07	-950.00	0.0	0.64	12.0
				215.0	7.465e+04	1.05	0.0	0.64	0.03	0.0	0.0	0.0	12.0
				415.0	-2.035e+04	0.67	1.05	0.18	0.07	950.00	0.0	0.64	12.0
				430.0	-3.513e+04	0.26	1.05	0.30	0.03	1021.25	0.0	0.16	50.0

Elem.	**f ist**	**f infi**	**Momento**	**Af inf.**	**Af. sup**	**V N/M**	**x/d**	**Taglio**	**Af V**	**verif. V**
			-3.513e+04					-1021.25		
	-0.19	-0.14	7.465e+04	1.05	1.05	0.64	0.07	1021.25	0.0	0.64

Elem.	**Pos.**	**rRfck**	**rFfck**	**rPfck**	**rRfyk**	**rFfyk**	**rPfyk**	**wR**	**wF**	**wP**
	cm							mm	mm	mm
1	0.0	0.06	0.05	0.06	0.25	0.19	0.18	0.0	0.0	0.0
	15.0	0.08	0.06	0.07	0.15	0.12	0.11	0.0	0.0	0.0
	215.0	0.14	0.11	0.13	0.53	0.41	0.38	0.06	0.0	0.0
	415.0	0.08	0.06	0.07	0.15	0.12	0.11	0.0	0.0	0.0
	430.0	0.06	0.05	0.06	0.25	0.19	0.18	0.0	0.0	0.0
2	0.0	0.06	0.05	0.06	0.25	0.19	0.18	0.0	0.0	0.0
	15.0	0.08	0.06	0.07	0.15	0.12	0.11	0.0	0.0	0.0
	215.0	0.14	0.11	0.13	0.53	0.41	0.38	0.06	0.0	0.0
	415.0	0.08	0.06	0.07	0.15	0.12	0.11	0.0	0.0	0.0
	430.0	0.06	0.05	0.06	0.25	0.19	0.18	0.0	0.0	0.0

Elem.	**rRfck**	**rFfck**	**rPfck**	**rRfyk**	**rFfyk**	**rPfyk**	**wR**	**wF**	**wP**
	0.14	0.11	0.13	0.53	0.41	0.38	0.06	0.0	0.0



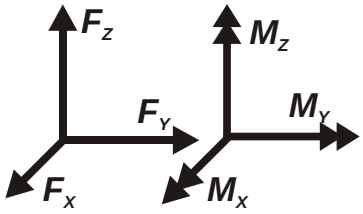
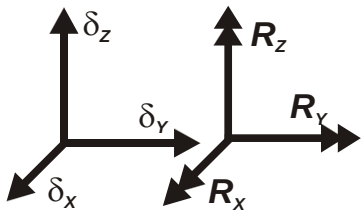
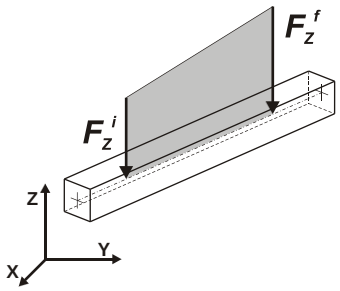
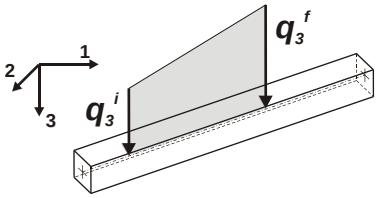
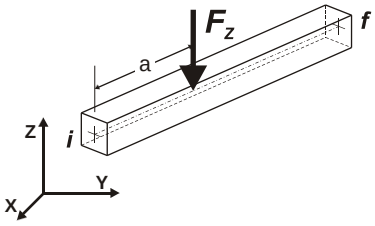
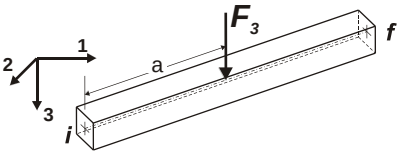
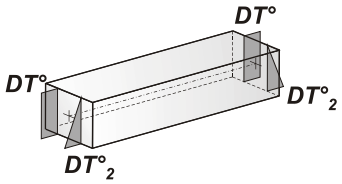
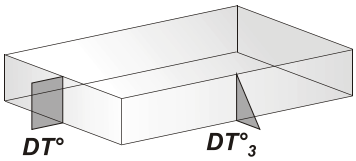
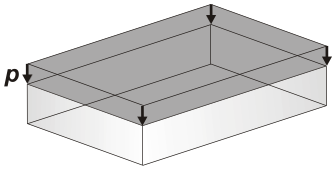
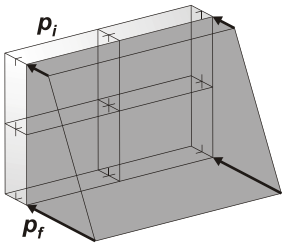
17_MOD_NUMERAZIONE_SOLAI

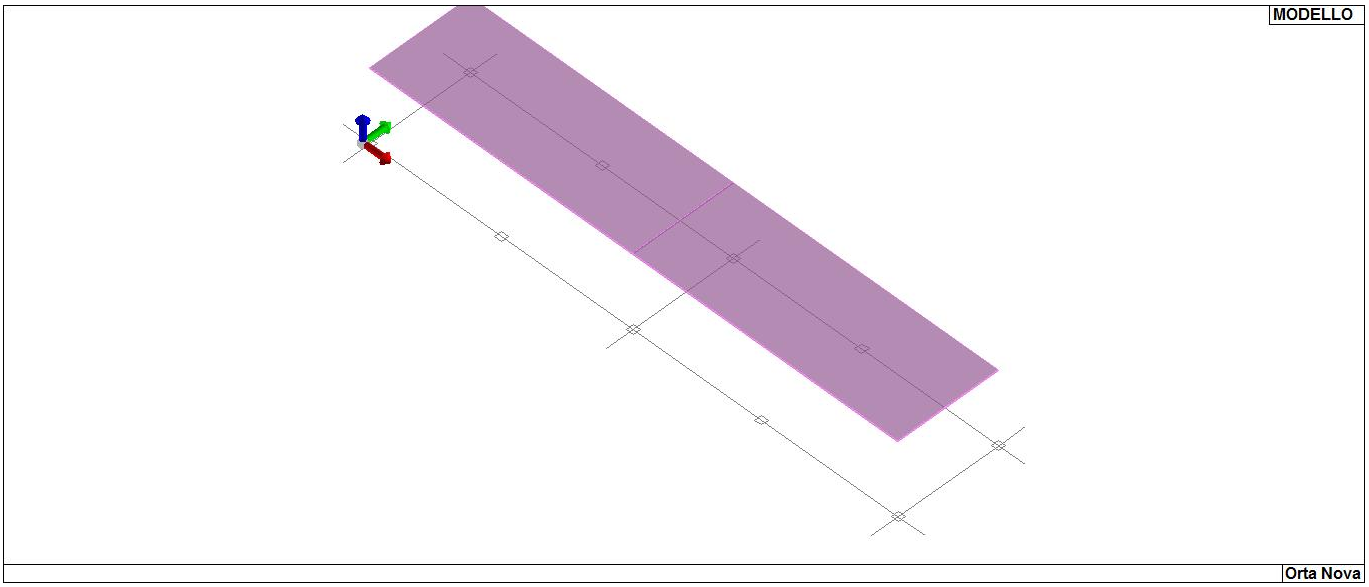
MODELLAZIONE DELLE AZIONI

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.

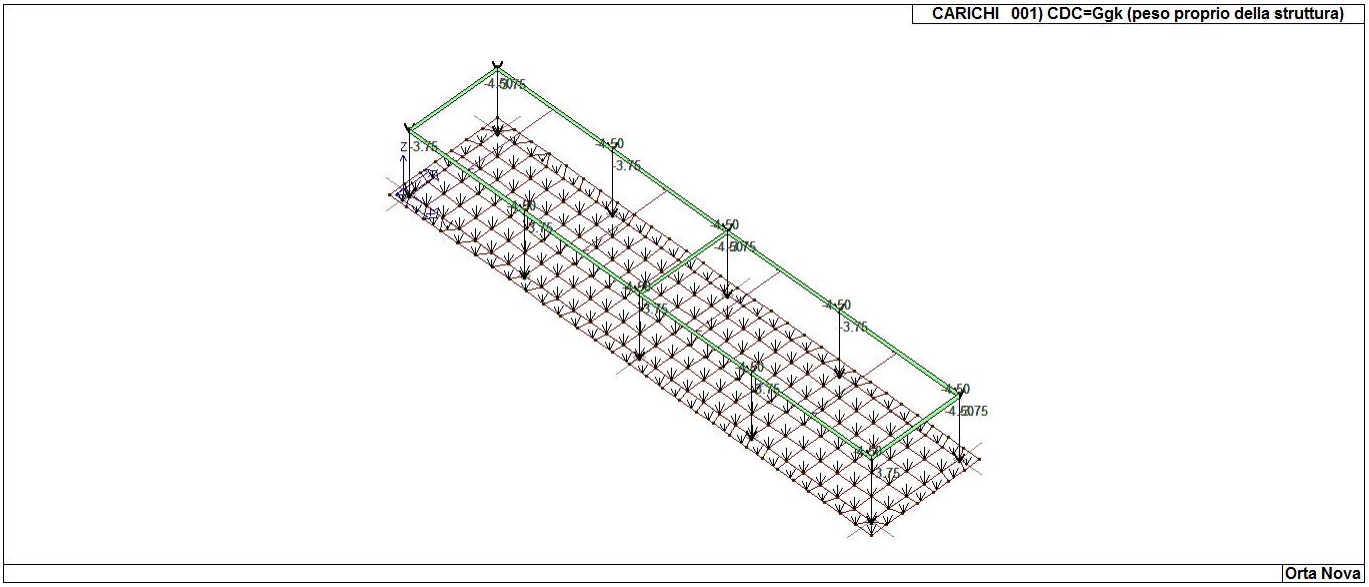
Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

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.

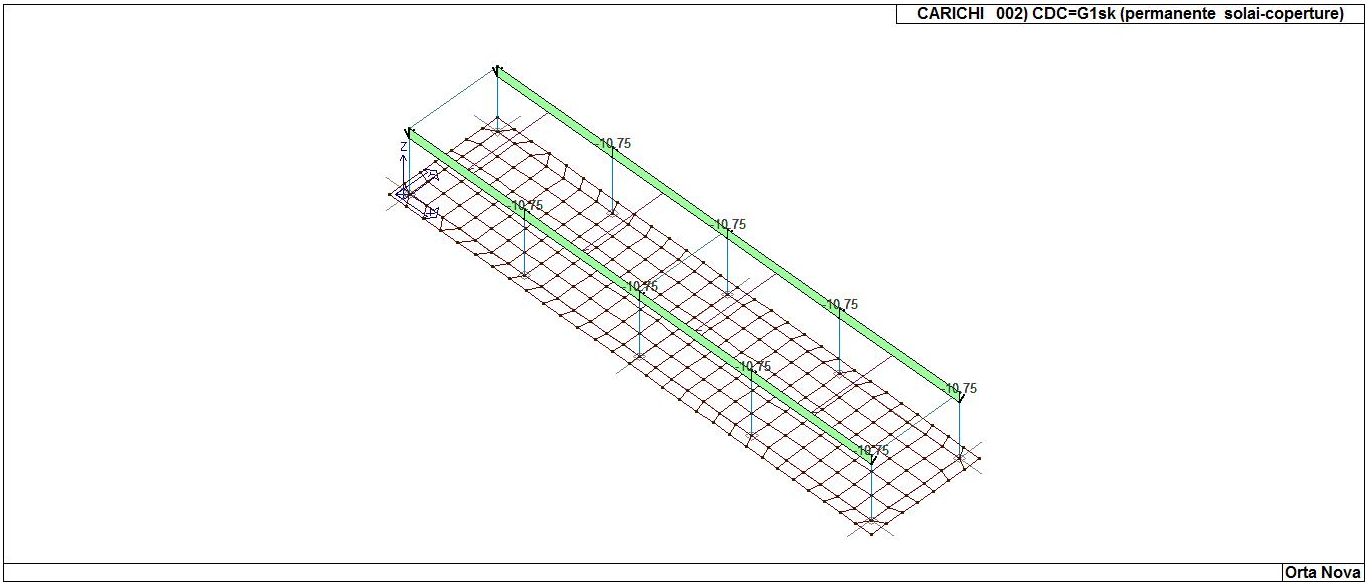
Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione 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)

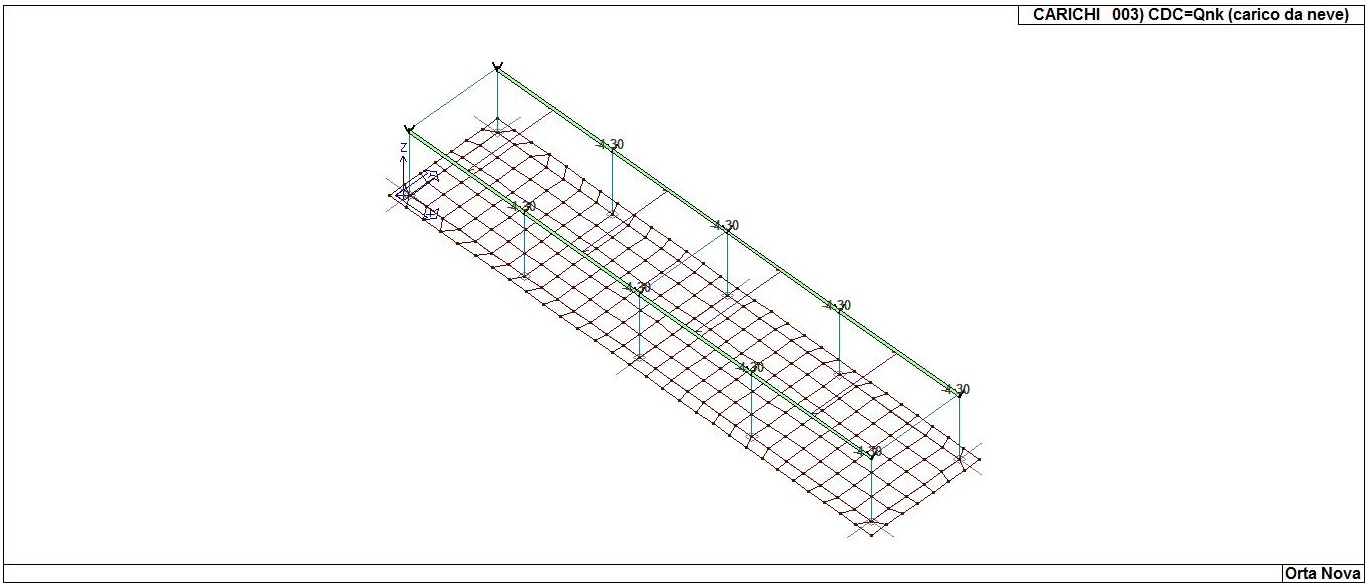
CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente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



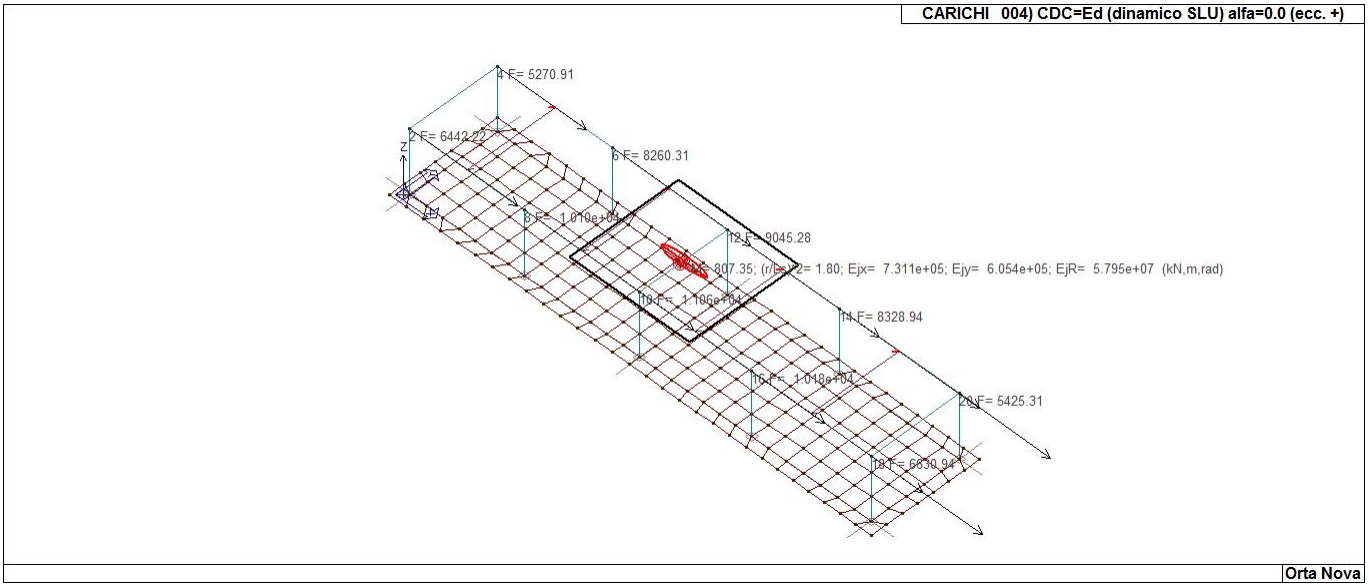
22_CDC_001_CDC=Ggk (peso proprio della struttura)



22_CDC_002_CDC=G1sk (permanente solai-coperture)



22_CDC_003_CDC=Qnk (carico da neve)



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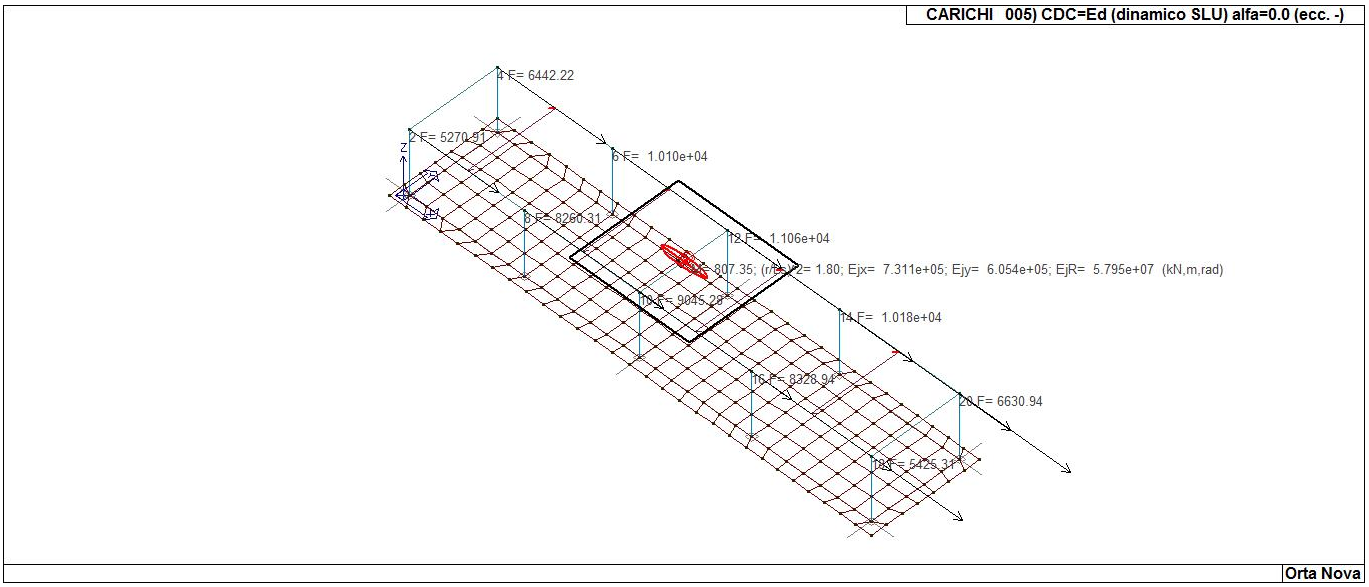

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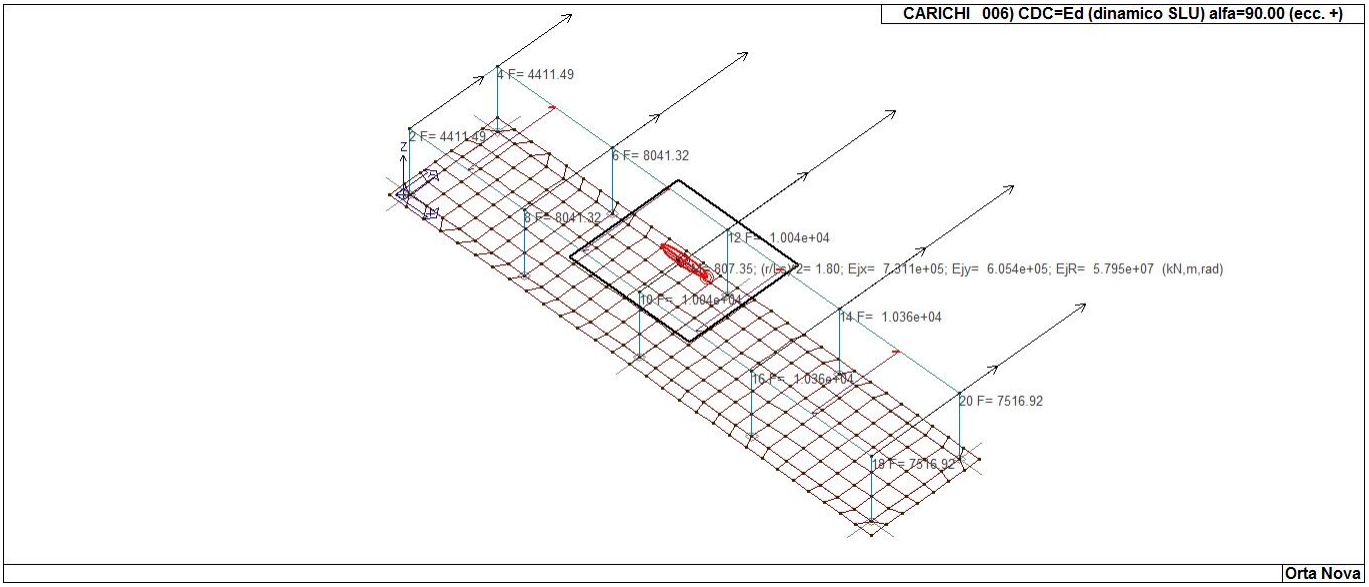

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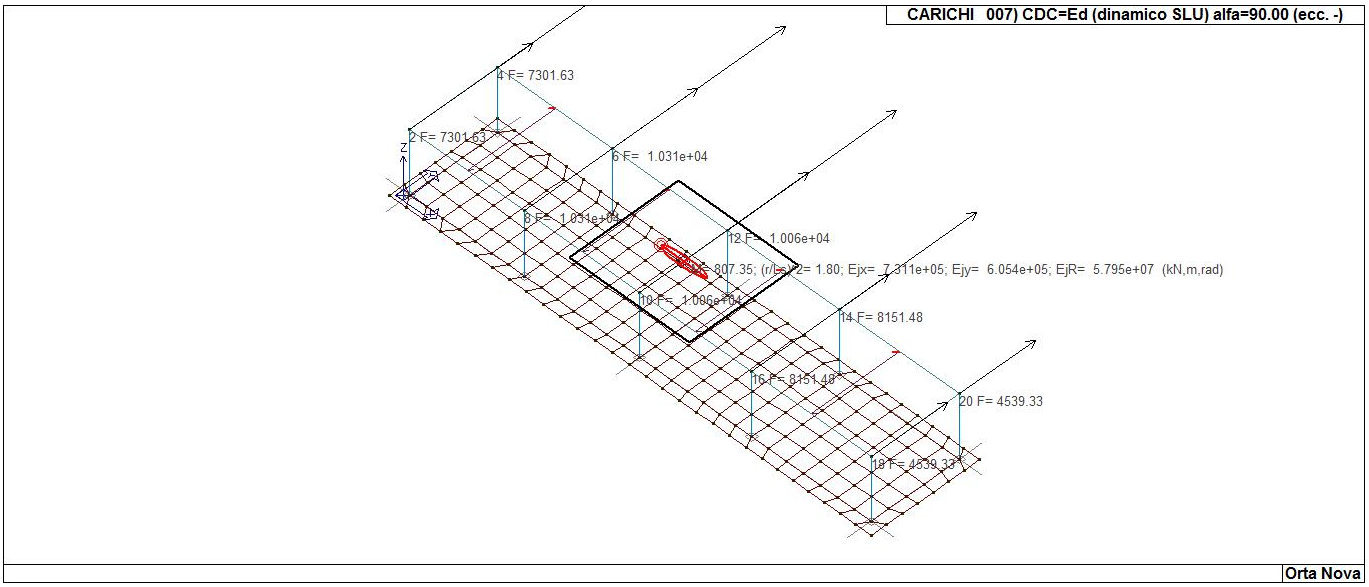

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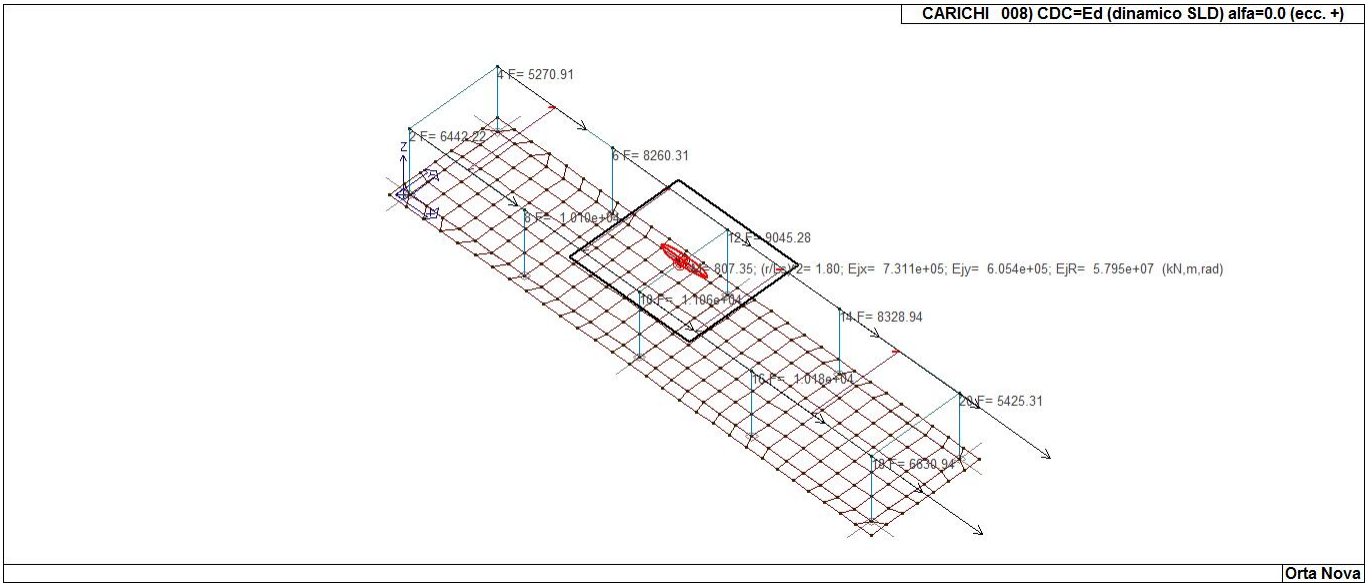
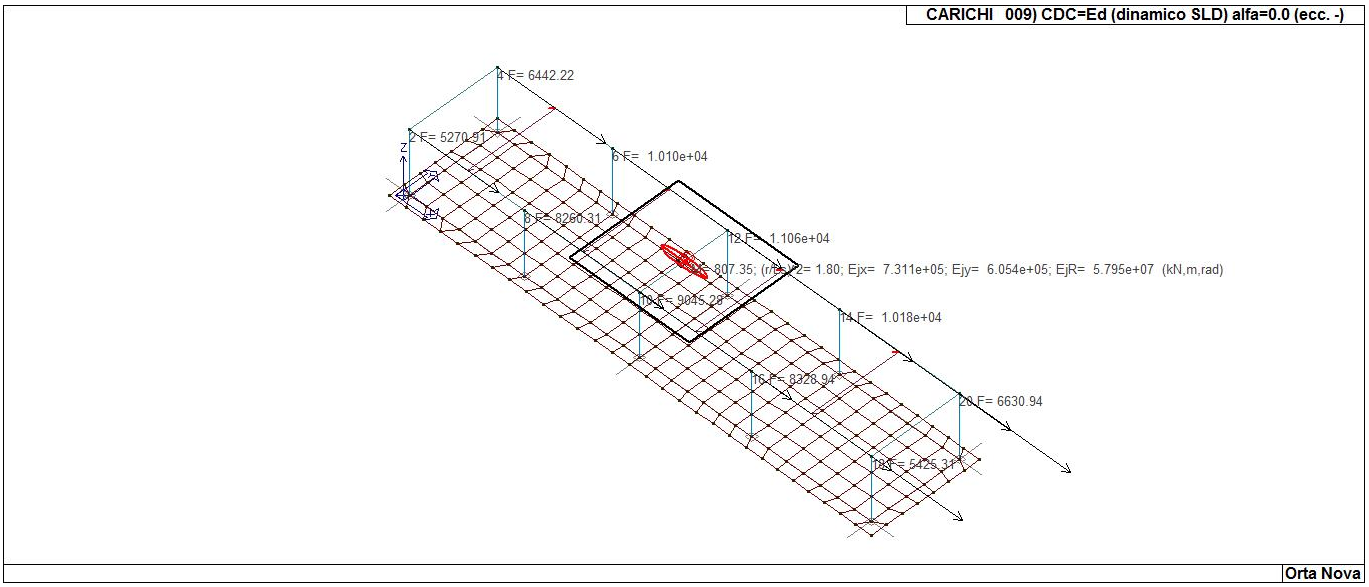
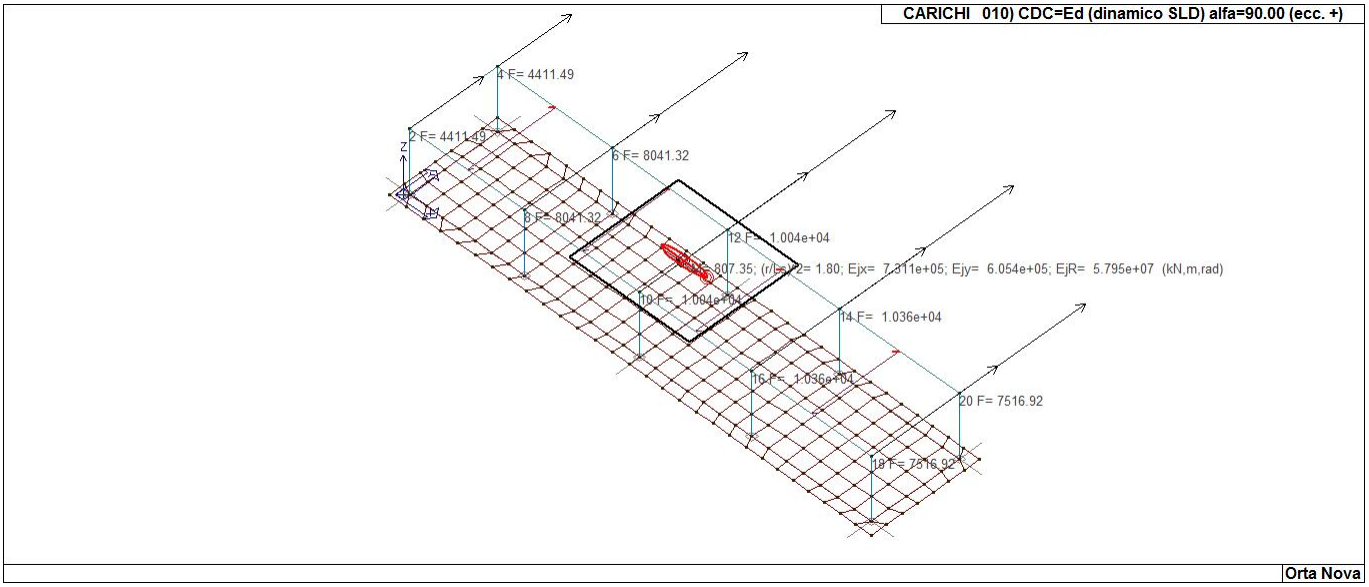


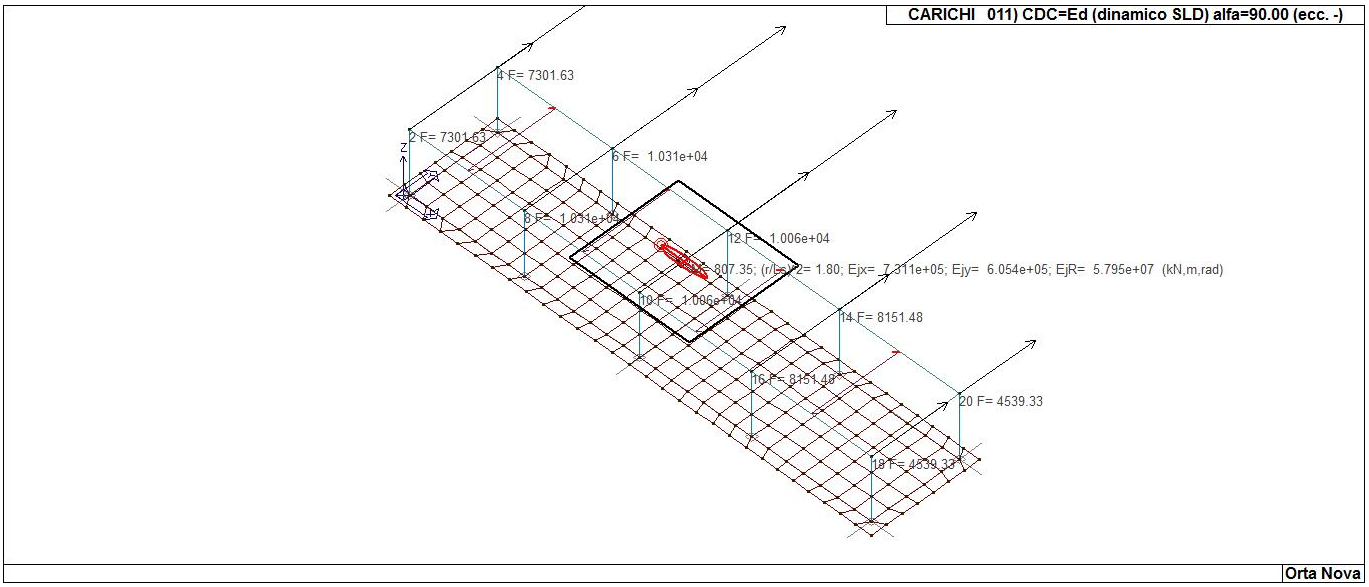
22_CDC_008_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



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*	*γG1*	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*

Carichi permanenti non strutturali (Non compiutamente definiti)	*Favorevoli*	*$\gamma G2$*	*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.	15.908	41.623	
29673	15.898	41.610	1.662
29674	15.965	41.608	5.007
29452	15.967	41.658	6.239
29451	15.900	41.660	4.154

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.053	2.462	0.270
SLD	63.0	50.0	0.070	2.490	0.290
SLV	10.0	475.0	0.196	2.463	0.335
SLC	5.0	975.0	0.260	2.437	0.340

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.053	1.500	2.462	0.769	0.146	0.437	1.814
SLD	0.070	1.500	2.490	0.893	0.153	0.458	1.882
SLV	0.196	1.411	2.463	1.471	0.168	0.505	2.383
SLC	0.260	1.320	2.437	1.676	0.170	0.510	2.638

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 = 1.411

CDC	Tipo	Sigla Id	Note
			ordinata spettro (tratto Tb-Tc) = 0.680 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.139 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	8.074e+04	1144.47	230.00	0.0	-21.50	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.552	0.180	0.680	7.21e-03	8.93e-06	8.022e+04	99.4	0.0	0.0	0.0	0.0
2	7.205	0.139	0.610	6.723e+04	83.3	0.30	3.74e-04	3.34e-03	4.14e-06	0.0	0.0
3	7.475	0.134	0.598	1.346e+04	16.7	1.04	1.29e-03	7.47e-04	0.0	0.0	0.0
4	20.340	0.049	0.394	9.08e-06	0.0	189.32	0.2	3.83e-04	0.0	0.0	0.0
5	29.406	0.034	0.358	0.04	5.31e-05	1.08e-03	1.33e-06	2.578e+04	31.9	0.0	0.0
6	31.574	0.032	0.352	10.02	1.24e-02	0.03	3.69e-05	4.426e+04	54.8	0.0	0.0
7	32.046	0.031	0.351	36.83	4.56e-02	0.08	1.02e-04	9395.46	11.6	0.0	0.0
8	32.569	0.031	0.350	8.88e-03	1.10e-05	323.22	0.4	22.40	2.77e-02	0.0	0.0
9	33.909	0.029	0.347	0.52	6.47e-04	0.53	6.57e-04	1277.80	1.6	0.0	0.0
Risulta				8.073e+04		8.073e+04		8.073e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.411
			ordinata spettro (tratto Tb-Tc) = 0.680 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.139 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	8.074e+04	1144.47	230.00	0.0	21.50	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.552	0.180	0.680	6.70e-03	8.30e-06	8.022e+04	99.4	0.0	0.0	0.0	0.0
2	7.205	0.139	0.610	6.722e+04	83.3	0.30	3.70e-04	3.28e-03	4.06e-06	0.0	0.0
3	7.475	0.134	0.598	1.346e+04	16.7	1.04	1.29e-03	8.15e-04	1.01e-06	0.0	0.0
4	20.340	0.049	0.394	6.82e-06	0.0	189.32	0.2	4.59e-04	0.0	0.0	0.0
5	29.406	0.034	0.358	0.04	5.31e-05	6.55e-04	0.0	2.578e+04	31.9	0.0	0.0
6	31.574	0.032	0.352	10.02	1.24e-02	0.03	3.16e-05	4.426e+04	54.8	0.0	0.0
7	32.046	0.031	0.351	36.83	4.56e-02	0.07	8.56e-05	9395.82	11.6	0.0	0.0
8	32.570	0.031	0.350	7.91e-03	9.80e-06	323.26	0.4	20.10	2.49e-02	0.0	0.0
9	33.909	0.029	0.347	0.52	6.48e-04	0.50	6.19e-04	1278.57	1.6	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				8.073e+04		8.073e+04		8.073e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.411
			ordinata spettro (tratto Tb-Tc) = 0.680 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.182 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	8.074e+04	1144.47	230.00	113.00	0.0	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.482	0.182	0.680	0.0	0.0	7.821e+04	96.9	0.0	0.0	0.0	0.0
2	7.251	0.138	0.608	8.069e+04	99.9	3.31e-06	0.0	4.09e-03	5.07e-06	0.0	0.0
3	7.581	0.132	0.593	2.95e-04	0.0	2004.88	2.5	0.0	0.0	0.0	0.0
4	24.135	0.041	0.376	0.0	0.0	446.71	0.6	9.99e-05	0.0	0.0	0.0
5	29.406	0.034	0.358	0.04	5.38e-05	1.14e-03	1.41e-06	2.578e+04	31.9	0.0	0.0
6	31.571	0.032	0.352	10.64	1.32e-02	1.36e-03	1.69e-06	4.360e+04	54.0	0.0	0.0
7	32.029	0.031	0.351	35.99	4.46e-02	1.18e-03	1.46e-06	1.008e+04	12.5	0.0	0.0
8	33.913	0.029	0.347	0.58	7.16e-04	0.03	3.44e-05	1278.84	1.6	0.0	0.0
9	48.261	0.021	0.326	0.08	1.03e-04	0.08	9.38e-05	2.49e-03	3.08e-06	0.0	0.0
Risulta				8.073e+04		8.066e+04		8.073e+04			
In percentuale				100.00		99.90		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.411
			ordinata spettro (tratto Tb-Tc) = 0.680 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.182 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	8.074e+04	1144.47	230.00	-113.00	0.0	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.488	0.182	0.680	3.83e-06	0.0	7.838e+04	97.1	0.0	0.0	0.0	0.0
2	7.251	0.138	0.608	8.069e+04	99.9	1.58e-05	0.0	4.09e-03	5.07e-06	0.0	0.0
3	7.581	0.132	0.593	1.78e-04	0.0	1829.84	2.3	0.0	0.0	0.0	0.0
4	24.224	0.041	0.375	1.27e-06	0.0	445.92	0.6	5.31e-04	0.0	0.0	0.0
5	29.406	0.034	0.358	0.04	5.38e-05	2.01e-03	2.48e-06	2.578e+04	31.9	0.0	0.0
6	31.571	0.032	0.352	10.64	1.32e-02	2.47e-03	3.06e-06	4.359e+04	54.0	0.0	0.0
7	32.029	0.031	0.351	35.99	4.46e-02	1.43e-03	1.78e-06	1.009e+04	12.5	0.0	0.0
8	33.915	0.029	0.347	0.57	7.09e-04	0.05	5.64e-05	1275.77	1.6	0.0	0.0
9	48.196	0.021	0.326	0.08	1.03e-04	0.14	1.75e-04	6.63e-04	0.0	0.0	0.0
Risulta				8.073e+04		8.066e+04		8.073e+04			
In percentuale				100.00		99.91		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) = 0.263 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.139 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	8.074e+04	1144.47	230.00	0.0	-21.50	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.552	0.180	0.263	7.21e-03	8.93e-06	8.022e+04	99.4	0.0	0.0	0.0	0.0
2	7.205	0.139	0.249	6.723e+04	83.3	0.30	3.74e-04	3.34e-03	4.14e-06	0.0	0.0
3	7.475	0.134	0.244	1.346e+04	16.7	1.04	1.29e-03	7.47e-04	0.0	0.0	0.0
4	20.340	0.049	0.156	9.08e-06	0.0	189.32	0.2	3.83e-04	0.0	0.0	0.0
5	29.406	0.034	0.141	0.04	5.31e-05	1.08e-03	1.33e-06	2.578e+04	31.9	0.0	0.0
6	31.574	0.032	0.138	10.02	1.24e-02	0.03	3.69e-05	4.426e+04	54.8	0.0	0.0
7	32.046	0.031	0.138	36.83	4.56e-02	0.08	1.02e-04	9395.46	11.6	0.0	0.0
8	32.569	0.031	0.137	8.88e-03	1.10e-05	323.22	0.4	22.40	2.77e-02	0.0	0.0
9	33.909	0.029	0.136	0.52	6.47e-04	0.53	6.57e-04	1277.80	1.6	0.0	0.0
Risulta				8.073e+04		8.073e+04		8.073e+04			
In percentuale				100.00		100.00		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) = 0.263 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.139 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	8.074e+04	1144.47	230.00	0.0	21.50	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.552	0.180	0.263	6.70e-03	8.30e-06	8.022e+04	99.4	0.0	0.0	0.0	0.0
2	7.205	0.139	0.249	6.722e+04	83.3	0.30	3.70e-04	3.28e-03	4.06e-06	0.0	0.0
3	7.475	0.134	0.244	1.346e+04	16.7	1.04	1.29e-03	8.15e-04	1.01e-06	0.0	0.0
4	20.340	0.049	0.156	6.82e-06	0.0	189.32	0.2	4.59e-04	0.0	0.0	0.0
5	29.406	0.034	0.141	0.04	5.31e-05	6.55e-04	0.0	2.578e+04	31.9	0.0	0.0
6	31.574	0.032	0.138	10.02	1.24e-02	0.03	3.16e-05	4.426e+04	54.8	0.0	0.0
7	32.046	0.031	0.138	36.83	4.56e-02	0.07	8.56e-05	9395.82	11.6	0.0	0.0
8	32.570	0.031	0.137	7.91e-03	9.80e-06	323.26	0.4	20.10	2.49e-02	0.0	0.0
9	33.909	0.029	0.136	0.52	6.48e-04	0.50	6.19e-04	1278.57	1.6	0.0	0.0
Risulta				8.073e+04		8.073e+04		8.073e+04			
In percentuale				100.00		100.00		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) = 0.263 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.182 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	8.074e+04	1144.47	230.00	113.00	0.0	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.482	0.182	0.263	0.0	0.0	7.821e+04	96.9	0.0	0.0	0.0	0.0
2	7.251	0.138	0.248	8.069e+04	99.9	3.31e-06	0.0	4.09e-03	5.07e-06	0.0	0.0
3	7.581	0.132	0.242	2.95e-04	0.0	2004.88	2.5	0.0	0.0	0.0	0.0
4	24.135	0.041	0.148	0.0	0.0	446.71	0.6	9.99e-05	0.0	0.0	0.0
5	29.406	0.034	0.141	0.04	5.38e-05	1.14e-03	1.41e-06	2.578e+04	31.9	0.0	0.0
6	31.571	0.032	0.138	10.64	1.32e-02	1.36e-03	1.69e-06	4.360e+04	54.0	0.0	0.0
7	32.029	0.031	0.138	35.99	4.46e-02	1.18e-03	1.46e-06	1.008e+04	12.5	0.0	0.0
8	33.913	0.029	0.136	0.58	7.16e-04	0.03	3.44e-05	1278.84	1.6	0.0	0.0
9	48.261	0.021	0.127	0.08	1.03e-04	0.08	9.38e-05	2.49e-03	3.08e-06	0.0	0.0
Risulta				8.073e+04		8.066e+04		8.073e+04			
In percentuale				100.00		99.90		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) = 0.263 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.182 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	8.074e+04	1144.47	230.00	-113.00	0.0	1141.79	230.00	1.797	0.003	0.0
Risulta	8.074e+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	5.488	0.182	0.263	3.83e-06	0.0	7.838e+04	97.1	0.0	0.0	0.0	0.0
2	7.251	0.138	0.248	8.069e+04	99.9	1.58e-05	0.0	4.09e-03	5.07e-06	0.0	0.0
3	7.581	0.132	0.242	1.78e-04	0.0	1829.84	2.3	0.0	0.0	0.0	0.0
4	24.224	0.041	0.148	1.27e-06	0.0	445.92	0.6	5.31e-04	0.0	0.0	0.0
5	29.406	0.034	0.141	0.04	5.38e-05	2.01e-03	2.48e-06	2.578e+04	31.9	0.0	0.0
6	31.571	0.032	0.138	10.64	1.32e-02	2.47e-03	3.06e-06	4.359e+04	54.0	0.0	0.0
7	32.029	0.031	0.138	35.99	4.46e-02	1.43e-03	1.78e-06	1.009e+04	12.5	0.0	0.0
8	33.915	0.029	0.136	0.57	7.09e-04	0.05	5.64e-05	1275.77	1.6	0.0	0.0
9	48.196	0.021	0.127	0.08	1.03e-04	0.14	1.75e-04	6.63e-04	0.0	0.0	0.0
Risulta				8.073e+04		8.066e+04		8.073e+04			
In percentuale				100.00		99.91		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	0.37	0.12	320.0	2	0.33	0.10	320.0	3	0.34	0.11	320.0
	4	0.38	0.12	320.0	5	0.41	0.13	320.0	6	0.38	0.12	320.0
	7	0.42	0.13	320.0	8	0.44	0.14	320.0	9	0.45	0.15	320.0
	10	0.45	0.14	320.0								
38	1	0.40	0.13	320.0	2	0.42	0.13	320.0	3	0.41	0.13	320.0
	4	0.40	0.13	320.0	5	0.39	0.12	320.0	6	0.40	0.13	320.0
	7	0.38	0.12	320.0	8	0.38	0.12	320.0	9	0.37	0.12	320.0
	10	0.35	0.11	320.0								
39	1	0.39	0.13	320.0	2	0.40	0.13	320.0	3	0.41	0.13	320.0
	4	0.40	0.13	320.0	5	0.39	0.13	320.0	6	0.39	0.13	320.0
	7	0.38	0.12	320.0	8	0.38	0.12	320.0	9	0.38	0.12	320.0
	10	0.36	0.11	320.0								
40	1	0.36	0.11	320.0	2	0.31	0.10	320.0	3	0.34	0.11	320.0
	4	0.38	0.12	320.0	5	0.40	0.13	320.0	6	0.38	0.12	320.0
	7	0.42	0.13	320.0	8	0.44	0.14	320.0	9	0.46	0.15	320.0
	10	0.46	0.15	320.0								
41	1	0.38	0.12	320.0	2	0.35	0.11	320.0	3	0.38	0.12	320.0
	4	0.38	0.12	320.0	5	0.39	0.13	320.0	6	0.39	0.13	320.0
	7	0.41	0.13	320.0	8	0.40	0.13	320.0	9	0.39	0.13	320.0
	10	0.41	0.13	320.0								
42	1	0.46	0.15	320.0	2	0.46	0.15	320.0	3	0.42	0.14	320.0
	4	0.44	0.14	320.0	5	0.41	0.13	320.0	6	0.38	0.12	320.0
	7	0.34	0.11	320.0	8	0.38	0.12	320.0	9	0.36	0.11	320.0
	10	0.32	0.10	320.0								
43	1	0.45	0.15	320.0	2	0.45	0.14	320.0	3	0.42	0.13	320.0
	4	0.44	0.14	320.0	5	0.41	0.13	320.0	6	0.38	0.12	320.0
	7	0.34	0.11	320.0	8	0.38	0.12	320.0	9	0.37	0.12	320.0
	10	0.33	0.11	320.0								
44	1	0.37	0.12	320.0	2	0.34	0.11	320.0	3	0.38	0.12	320.0
	4	0.38	0.12	320.0	5	0.39	0.12	320.0	6	0.40	0.13	320.0
	7	0.41	0.13	320.0	8	0.40	0.13	320.0	9	0.40	0.13	320.0
	10	0.42	0.13	320.0								
45	1	0.42	0.13	320.0	2	0.40	0.13	320.0	3	0.40	0.13	320.0
	4	0.41	0.13	320.0	5	0.40	0.13	320.0	6	0.39	0.12	320.0
	7	0.38	0.12	320.0	8	0.38	0.12	320.0	9	0.35	0.11	320.0
	10	0.37	0.12	320.0								
46	1	0.33	0.10	320.0	2	0.37	0.12	320.0	3	0.38	0.12	320.0
	4	0.34	0.11	320.0	5	0.38	0.12	320.0	6	0.41	0.13	320.0
	7	0.44	0.14	320.0	8	0.42	0.13	320.0	9	0.45	0.14	320.0
	10	0.45	0.15	320.0								
47	1	0.31	0.10	320.0	2	0.36	0.11	320.0	3	0.38	0.12	320.0
	4	0.34	0.11	320.0	5	0.38	0.12	320.0	6	0.40	0.13	320.0
	7	0.44	0.14	320.0	8	0.42	0.13	320.0	9	0.46	0.15	320.0
	10	0.46	0.15	320.0								
48	1	0.40	0.13	320.0	2	0.39	0.13	320.0	3	0.40	0.13	320.0
	4	0.41	0.13	320.0	5	0.39	0.13	320.0	6	0.39	0.13	320.0
	7	0.38	0.12	320.0	8	0.38	0.12	320.0	9	0.36	0.11	320.0
	10	0.38	0.12	320.0								

49	1	0.46	0.15	320.0	2	0.46	0.15	320.0	3	0.44	0.14	320.0
	4	0.42	0.14	320.0	5	0.38	0.12	320.0	6	0.41	0.13	320.0
	7	0.38	0.12	320.0	8	0.34	0.11	320.0	9	0.32	0.10	320.0
	10	0.36	0.11	320.0								
50	1	0.35	0.11	320.0	2	0.38	0.12	320.0	3	0.38	0.12	320.0
	4	0.38	0.12	320.0	5	0.39	0.13	320.0	6	0.39	0.13	320.0
	7	0.40	0.13	320.0	8	0.41	0.13	320.0	9	0.41	0.13	320.0
	10	0.39	0.13	320.0								
51	1	0.34	0.11	320.0	2	0.37	0.12	320.0	3	0.38	0.12	320.0
	4	0.38	0.12	320.0	5	0.40	0.13	320.0	6	0.39	0.12	320.0
	7	0.40	0.13	320.0	8	0.41	0.13	320.0	9	0.42	0.13	320.0
	10	0.40	0.13	320.0								
52	1	0.45	0.14	320.0	2	0.45	0.15	320.0	3	0.44	0.14	320.0
	4	0.42	0.13	320.0	5	0.38	0.12	320.0	6	0.41	0.13	320.0
	7	0.38	0.12	320.0	8	0.34	0.11	320.0	9	0.33	0.11	320.0
	10	0.37	0.12	320.0								
53	1	0.43	0.14	320.0	2	0.40	0.13	320.0	3	0.55	0.17	320.0
	4	0.57	0.18	320.0	5	0.68	0.22	320.0	6	0.66	0.21	320.0
	7	0.74	0.24	320.0	8	0.75	0.24	320.0	9	0.75	0.24	320.0
	10	0.75	0.24	320.0								
54	1	0.45	0.14	320.0	2	0.48	0.15	320.0	3	0.60	0.19	320.0
	4	0.58	0.18	320.0	5	0.66	0.21	320.0	6	0.67	0.22	320.0
	7	0.72	0.23	320.0	8	0.71	0.23	320.0	9	0.70	0.22	320.0
	10	0.69	0.22	320.0								
55	1	0.45	0.15	320.0	2	0.47	0.15	320.0	3	0.59	0.19	320.0
	4	0.58	0.19	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.71	0.23	320.0	8	0.71	0.23	320.0	9	0.70	0.23	320.0
	10	0.69	0.22	320.0								
56	1	0.42	0.13	320.0	2	0.40	0.13	320.0	3	0.55	0.18	320.0
	4	0.56	0.18	320.0	5	0.67	0.21	320.0	6	0.66	0.21	320.0
	7	0.74	0.24	320.0	8	0.74	0.24	320.0	9	0.75	0.24	320.0
	10	0.76	0.24	320.0								
57	1	0.48	0.15	320.0	2	0.45	0.14	320.0	3	0.58	0.18	320.0
	4	0.60	0.19	320.0	5	0.67	0.22	320.0	6	0.66	0.21	320.0
	7	0.71	0.23	320.0	8	0.72	0.23	320.0	9	0.69	0.22	320.0
	10	0.70	0.22	320.0								
58	1	0.40	0.13	320.0	2	0.43	0.14	320.0	3	0.57	0.18	320.0
	4	0.55	0.17	320.0	5	0.66	0.21	320.0	6	0.68	0.22	320.0
	7	0.75	0.24	320.0	8	0.74	0.24	320.0	9	0.75	0.24	320.0
	10	0.75	0.24	320.0								
59	1	0.40	0.13	320.0	2	0.42	0.13	320.0	3	0.56	0.18	320.0
	4	0.55	0.18	320.0	5	0.66	0.21	320.0	6	0.67	0.21	320.0
	7	0.74	0.24	320.0	8	0.74	0.24	320.0	9	0.76	0.24	320.0
	10	0.75	0.24	320.0								
60	1	0.47	0.15	320.0	2	0.45	0.15	320.0	3	0.58	0.19	320.0
	4	0.59	0.19	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.71	0.23	320.0	8	0.71	0.23	320.0	9	0.69	0.22	320.0
	10	0.70	0.23	320.0								
61	1	0.70	0.22	320.0	2	0.68	0.22	320.0	3	0.71	0.23	320.0
	4	0.71	0.23	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.60	0.19	320.0	8	0.59	0.19	320.0	9	0.46	0.15	320.0
	10	0.47	0.15	320.0								
62	1	0.74	0.24	320.0	2	0.75	0.24	320.0	3	0.74	0.24	320.0
	4	0.74	0.24	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.56	0.18	320.0	8	0.57	0.18	320.0	9	0.42	0.14	320.0
	10	0.40	0.13	320.0								
63	1	0.74	0.24	320.0	2	0.74	0.24	320.0	3	0.73	0.24	320.0
	4	0.75	0.24	320.0	5	0.68	0.22	320.0	6	0.66	0.21	320.0
	7	0.56	0.18	320.0	8	0.58	0.18	320.0	9	0.43	0.14	320.0
	10	0.40	0.13	320.0								
64	1	0.69	0.22	320.0	2	0.69	0.22	320.0	3	0.72	0.23	320.0
	4	0.71	0.23	320.0	5	0.66	0.21	320.0	6	0.68	0.22	320.0
	7	0.60	0.19	320.0	8	0.58	0.19	320.0	9	0.46	0.15	320.0
	10	0.48	0.15	320.0								
65	1	0.75	0.24	320.0	2	0.74	0.24	320.0	3	0.74	0.24	320.0
	4	0.74	0.24	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.57	0.18	320.0	8	0.56	0.18	320.0	9	0.40	0.13	320.0
	10	0.42	0.14	320.0								
66	1	0.68	0.22	320.0	2	0.70	0.22	320.0	3	0.71	0.23	320.0
	4	0.71	0.23	320.0	5	0.67	0.21	320.0	6	0.67	0.21	320.0
	7	0.59	0.19	320.0	8	0.60	0.19	320.0	9	0.47	0.15	320.0
	10	0.46	0.15	320.0								
67	1	0.69	0.22	320.0	2	0.69	0.22	320.0	3	0.71	0.23	320.0
	4	0.72	0.23	320.0	5	0.68	0.22	320.0	6	0.66	0.21	320.0
	7	0.58	0.19	320.0	8	0.60	0.19	320.0	9	0.48	0.15	320.0
	10	0.46	0.15	320.0								

68	1	0.74	0.24	320.0	2	0.74	0.24	320.0	3	0.75	0.24	320.0
	4	0.73	0.24	320.0	5	0.66	0.21	320.0	6	0.68	0.22	320.0
	7	0.58	0.18	320.0	8	0.56	0.18	320.0	9	0.40	0.13	320.0
	10	0.43	0.14	320.0								

Cmb	**1000 etaT/h**
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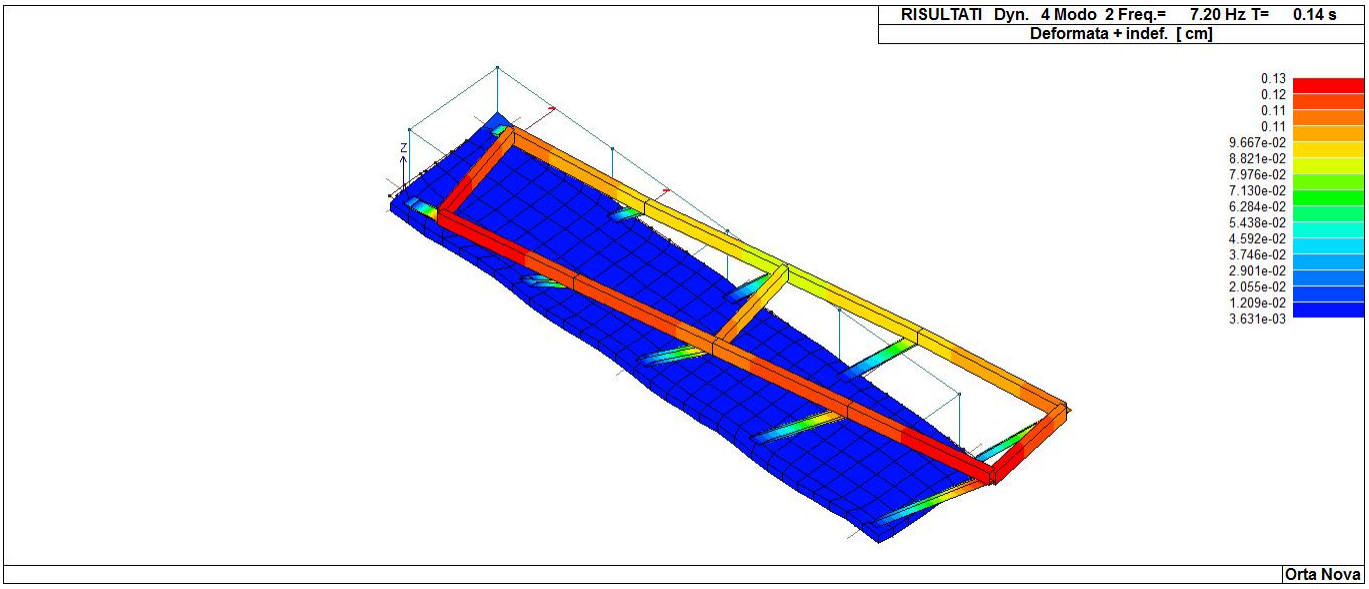

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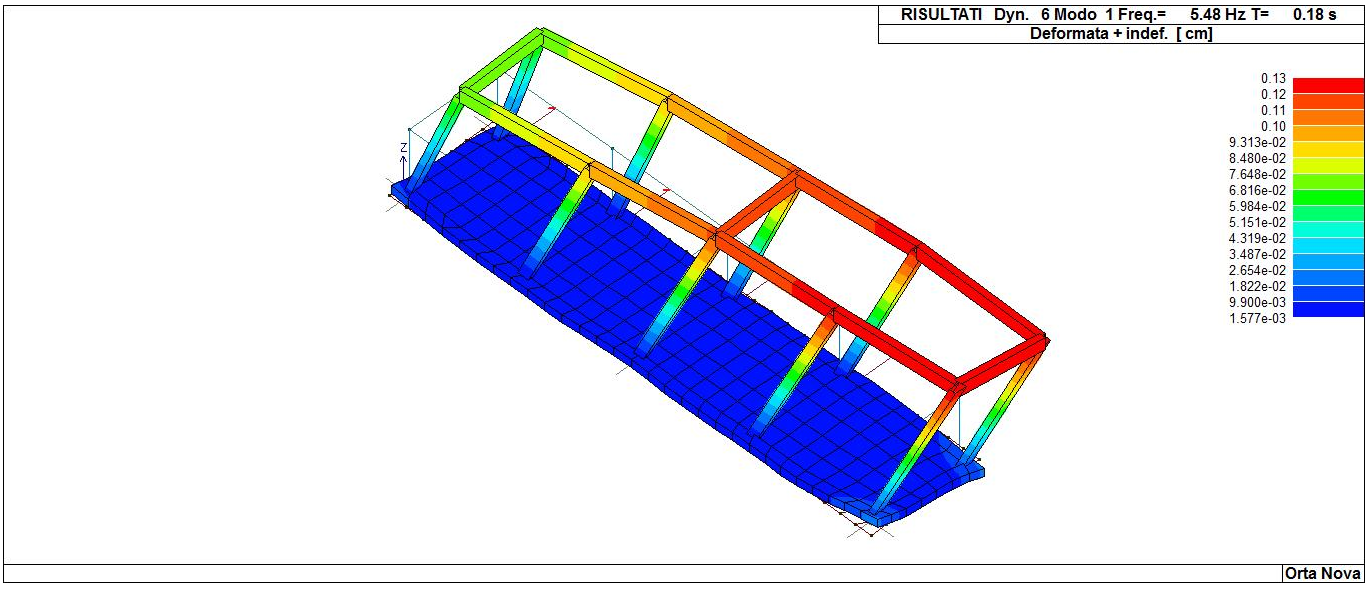

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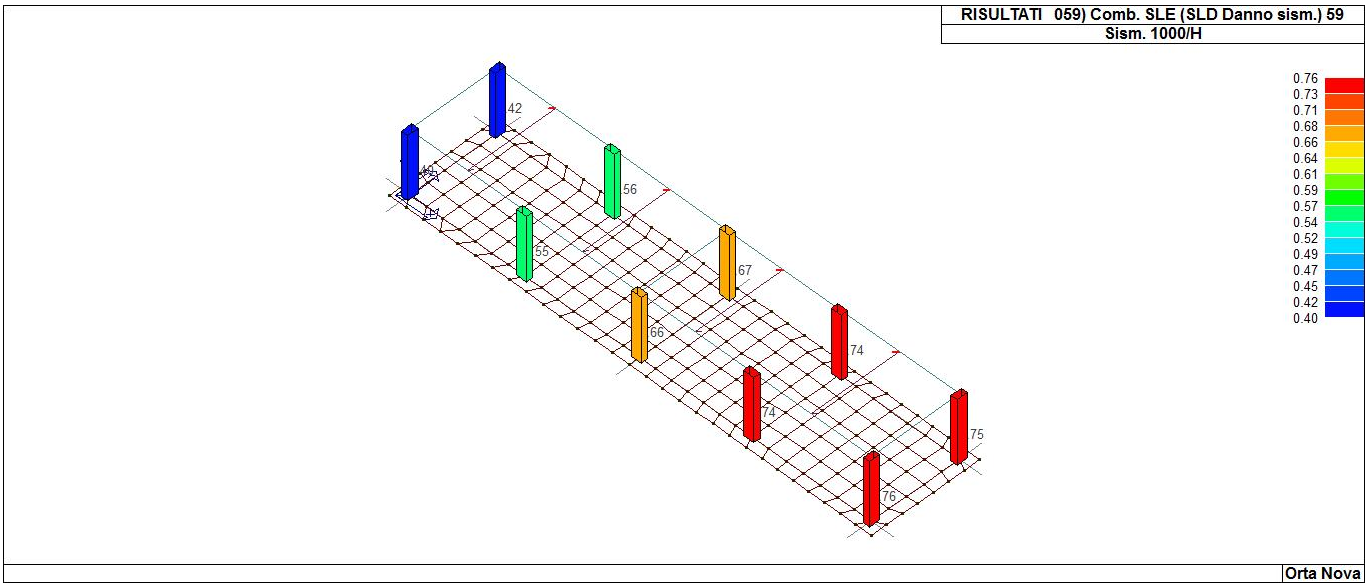


31_RIS_SLE_059_Comb. SLE (SLD Danno sism.) 59

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	-2.60e-03	-1.20e-03	-0.05	6.36e-05	-1.22e-04	-1.09e-06
1	11	-0.02	0.02	-0.03	-8.70e-05	-2.00e-04	-1.88e-05
1	36	-3.38e-03	-0.04	-0.10	7.55e-04	-2.35e-04	3.33e-05
1	43	-8.33e-03	5.59e-03	-0.03	-7.57e-06	-1.25e-04	-7.78e-06
1	68	-2.35e-03	-0.02	-0.06	3.17e-04	-1.37e-04	1.25e-05
1	69	-1.55e-03	-7.52e-04	-0.03	3.99e-05	-7.30e-05	0.0
1	71	-1.94e-03	-8.98e-04	-0.04	4.77e-05	-9.07e-05	0.0
1	73	-1.63e-03	-7.81e-04	-0.03	4.15e-05	-7.65e-05	0.0
1	74	-1.55e-03	-7.52e-04	-0.03	3.99e-05	-7.30e-05	0.0
2	2	9.58e-04	-1.56e-05	-0.05	-6.68e-05	5.12e-04	0.0
2	5	0.30	0.03	-0.01	-1.13e-04	5.49e-04	1.13e-04
2	36	-0.10	-0.65	-0.11	1.03e-03	1.58e-04	-3.99e-05
2	37	0.12	0.01	-0.03	-7.09e-05	3.99e-04	4.47e-05
2	68	-0.04	-0.25	-0.06	3.69e-04	2.42e-04	-1.59e-05
2	69	5.44e-04	-1.25e-06	-0.04	-4.82e-05	2.97e-04	0.0
2	71	7.11e-04	-1.05e-05	-0.04	-5.10e-05	3.81e-04	0.0
2	73	5.77e-04	-3.11e-06	-0.04	-4.87e-05	3.14e-04	0.0
2	74	5.44e-04	-1.25e-06	-0.04	-4.82e-05	2.97e-04	0.0
3	2	-2.60e-03	1.20e-03	-0.05	-6.36e-05	-1.21e-04	1.08e-06
3	20	-0.02	-0.02	-0.03	8.70e-05	-2.00e-04	1.89e-05
3	31	-3.37e-03	0.04	-0.10	-7.55e-04	-2.35e-04	-3.34e-05
3	52	-8.33e-03	-5.59e-03	-0.03	7.57e-06	-1.25e-04	7.79e-06
3	63	-2.35e-03	0.02	-0.06	-3.17e-04	-1.37e-04	-1.25e-05
3	69	-1.55e-03	7.52e-04	-0.03	-3.99e-05	-7.29e-05	0.0
3	71	-1.94e-03	8.98e-04	-0.04	-4.77e-05	-9.07e-05	0.0
3	73	-1.63e-03	7.81e-04	-0.03	-4.15e-05	-7.65e-05	0.0
3	74	-1.55e-03	7.52e-04	-0.03	-3.99e-05	-7.29e-05	0.0
4	2	9.58e-04	1.30e-05	-0.05	6.68e-05	5.12e-04	0.0
4	4	7.95e-04	1.31e-05	-0.04	5.24e-05	4.23e-04	0.0
4	14	0.30	-0.03	-0.01	1.13e-04	5.49e-04	-1.13e-04
4	31	-0.10	0.65	-0.11	-1.03e-03	1.58e-04	3.99e-05
4	36	-0.07	-0.65	0.03	1.13e-03	2.98e-04	-3.94e-05
4	46	0.12	-0.01	-0.03	7.08e-05	3.99e-04	-4.48e-05
4	63	-0.04	0.25	-0.06	-3.69e-04	2.42e-04	1.59e-05
4	68	-0.03	-0.25	-0.01	4.66e-04	2.96e-04	-1.55e-05
4	69	5.44e-04	0.0	-0.04	4.82e-05	2.97e-04	0.0
4	71	7.11e-04	8.66e-06	-0.04	5.10e-05	3.81e-04	0.0
4	73	5.78e-04	1.60e-06	-0.04	4.87e-05	3.14e-04	0.0
4	74	5.44e-04	0.0	-0.04	4.82e-05	2.97e-04	0.0
5	2	2.19e-04	1.58e-03	-0.06	-8.39e-05	1.90e-05	0.0
5	17	0.02	7.30e-03	-0.04	-8.59e-05	2.04e-04	-1.02e-05
5	31	-1.47e-03	0.02	-0.05	-2.15e-04	-5.54e-05	-1.33e-05
5	33	8.12e-03	0.02	-0.05	-2.09e-04	6.00e-05	-1.61e-05
5	49	7.14e-03	3.38e-03	-0.04	-6.13e-05	9.01e-05	-4.36e-06
5	63	-5.80e-04	7.27e-03	-0.04	-1.12e-04	-1.56e-05	-5.43e-06
5	65	3.33e-03	7.26e-03	-0.04	-1.09e-04	3.14e-05	-6.57e-06

5	69	1.36e-04	8.59e-04	-0.04	-4.61e-05	1.15e-05	0.0
5	71	1.64e-04	1.17e-03	-0.05	-6.21e-05	1.42e-05	0.0
5	73	1.42e-04	9.20e-04	-0.04	-4.93e-05	1.21e-05	0.0
5	74	1.36e-04	8.59e-04	-0.04	-4.61e-05	1.15e-05	0.0
6	2	4.95e-04	6.06e-05	-0.07	5.64e-05	-6.60e-05	0.0
6	14	0.30	-0.10	-0.05	3.92e-04	2.86e-04	-1.10e-04
6	31	-0.06	0.62	-0.06	-2.16e-03	-1.43e-04	4.49e-05
6	33	0.10	0.62	-0.06	-2.16e-03	4.05e-05	4.48e-05
6	46	0.12	-0.04	-0.05	1.70e-04	9.39e-05	-4.37e-05
6	63	-0.03	0.24	-0.05	-8.15e-04	-8.03e-05	1.76e-05
6	65	0.04	0.24	-0.05	-8.15e-04	-5.63e-06	1.76e-05
6	69	2.80e-04	3.41e-05	-0.05	3.47e-05	-3.77e-05	0.0
6	71	3.67e-04	4.49e-05	-0.06	4.22e-05	-4.90e-05	0.0
6	73	2.97e-04	3.63e-05	-0.05	3.62e-05	-3.99e-05	0.0
6	74	2.80e-04	3.41e-05	-0.05	3.47e-05	-3.77e-05	0.0
7	2	2.18e-04	-1.58e-03	-0.06	8.40e-05	1.90e-05	0.0
7	10	0.02	-7.29e-03	-0.04	8.59e-05	2.04e-04	1.02e-05
7	30	8.12e-03	-0.02	-0.05	2.09e-04	6.00e-05	1.61e-05
7	36	-1.47e-03	-0.02	-0.05	2.15e-04	-5.54e-05	1.33e-05
7	42	7.14e-03	-3.38e-03	-0.04	6.13e-05	9.01e-05	4.35e-06
7	62	3.33e-03	-7.26e-03	-0.04	1.09e-04	3.14e-05	6.56e-06
7	68	-5.80e-04	-7.27e-03	-0.04	1.12e-04	-1.56e-05	5.42e-06
7	69	1.35e-04	-8.59e-04	-0.04	4.61e-05	1.15e-05	0.0
7	71	1.63e-04	-1.17e-03	-0.05	6.21e-05	1.42e-05	0.0
7	73	1.41e-04	-9.20e-04	-0.04	4.93e-05	1.21e-05	0.0
7	74	1.35e-04	-8.59e-04	-0.04	4.61e-05	1.15e-05	0.0
8	2	4.95e-04	-6.35e-05	-0.07	-5.64e-05	-6.60e-05	0.0
8	5	0.30	0.10	-0.05	-3.92e-04	2.86e-04	1.10e-04
8	30	0.10	-0.62	-0.06	2.16e-03	4.05e-05	-4.48e-05
8	36	-0.06	-0.62	-0.06	2.16e-03	-1.43e-04	-4.49e-05
8	37	0.12	0.04	-0.05	-1.70e-04	9.39e-05	4.37e-05
8	62	0.04	-0.24	-0.05	8.15e-04	-5.64e-06	-1.76e-05
8	68	-0.03	-0.24	-0.05	8.15e-04	-8.03e-05	-1.76e-05
8	69	2.79e-04	-3.58e-05	-0.05	-3.47e-05	-3.77e-05	0.0
8	71	3.67e-04	-4.71e-05	-0.06	-4.22e-05	-4.90e-05	0.0
8	73	2.97e-04	-3.81e-05	-0.05	-3.62e-05	-3.99e-05	0.0
8	74	2.79e-04	-3.58e-05	-0.05	-3.47e-05	-3.77e-05	0.0
9	2	6.86e-05	-1.61e-03	-0.06	8.64e-05	4.78e-06	0.0
9	5	0.02	3.01e-03	-0.04	-2.84e-05	2.10e-04	6.61e-06
9	36	-3.34e-03	-0.01	-0.06	3.09e-04	-3.65e-05	3.79e-06
9	37	6.88e-03	6.07e-04	-0.04	1.94e-05	8.71e-05	2.64e-06
9	68	-1.36e-03	-5.99e-03	-0.05	1.50e-04	-1.34e-05	1.43e-06
9	69	4.33e-05	-9.15e-04	-0.04	4.96e-05	2.97e-06	0.0
9	71	5.15e-05	-1.19e-03	-0.05	6.42e-05	3.59e-06	0.0
9	73	4.49e-05	-9.70e-04	-0.04	5.25e-05	3.09e-06	0.0
9	74	4.33e-05	-9.15e-04	-0.04	4.96e-05	2.97e-06	0.0
10	2	1.92e-04	-7.28e-06	-0.07	-8.71e-05	-1.52e-05	0.0
10	4	1.61e-04	-7.33e-06	-0.06	-6.82e-05	-1.25e-05	0.0
10	5	0.30	0.17	-0.04	-2.34e-04	2.78e-04	1.05e-04
10	31	-0.11	0.56	-0.02	-6.38e-04	-1.18e-04	-1.41e-04
10	36	-0.06	-0.56	-0.07	5.12e-04	-6.34e-05	1.41e-04
10	37	0.12	0.06	-0.05	-1.29e-04	1.08e-04	4.23e-05
10	63	-0.05	0.22	-0.04	-2.86e-04	-5.30e-05	-5.55e-05
10	68	-0.02	-0.22	-0.06	1.60e-04	-3.15e-05	5.54e-05
10	69	1.04e-04	0.0	-0.05	-6.28e-05	-8.85e-06	0.0
10	71	1.42e-04	-4.83e-06	-0.06	-6.64e-05	-1.13e-05	0.0
10	73	1.12e-04	0.0	-0.05	-6.36e-05	-9.35e-06	0.0
10	74	1.04e-04	0.0	-0.05	-6.28e-05	-8.85e-06	0.0
11	2	6.85e-05	1.61e-03	-0.06	-8.65e-05	4.78e-06	0.0
11	17	0.02	4.82e-03	-0.05	-1.27e-04	2.10e-04	-6.52e-06
11	31	-3.34e-03	0.01	-0.06	-3.09e-04	-3.65e-05	-3.80e-06
11	46	6.88e-03	-6.07e-04	-0.04	-1.94e-05	8.72e-05	-2.63e-06
11	63	-1.36e-03	5.99e-03	-0.05	-1.50e-04	-1.34e-05	-1.43e-06
11	69	4.32e-05	9.15e-04	-0.04	-4.96e-05	2.97e-06	0.0
11	71	5.15e-05	1.19e-03	-0.05	-6.42e-05	3.58e-06	0.0
11	73	4.49e-05	9.71e-04	-0.04	-5.25e-05	3.09e-06	0.0
11	74	4.32e-05	9.15e-04	-0.04	-4.96e-05	2.97e-06	0.0
12	2	1.92e-04	4.38e-06	-0.07	8.71e-05	-1.52e-05	0.0
12	4	1.61e-04	4.96e-06	-0.06	6.82e-05	-1.25e-05	0.0
12	14	0.30	-0.17	-0.04	2.34e-04	2.78e-04	-1.05e-04
12	30	0.06	-0.56	-0.02	6.38e-04	4.56e-05	1.41e-04
12	31	-0.06	0.56	-0.07	-5.12e-04	-6.34e-05	-1.41e-04
12	46	0.12	-0.06	-0.05	1.29e-04	1.08e-04	-4.23e-05
12	62	0.02	-0.22	-0.04	2.85e-04	1.38e-05	5.55e-05
12	63	-0.02	0.22	-0.06	-1.60e-04	-3.15e-05	-5.54e-05
12	69	1.04e-04	-1.94e-06	-0.05	6.28e-05	-8.85e-06	0.0

12	71	1.42e-04	2.66e-06	-0.06	6.64e-05	-1.13e-05	0.0
12	72	1.04e-04	-1.94e-06	-0.05	6.28e-05	-8.85e-06	0.0
12	73	1.12e-04	-1.02e-06	-0.05	6.36e-05	-9.35e-06	0.0
12	74	1.04e-04	-1.94e-06	-0.05	6.28e-05	-8.85e-06	0.0
13	2	-4.40e-04	1.63e-03	-0.06	-8.65e-05	-2.84e-05	0.0
13	15	-0.02	7.14e-03	-0.04	-8.82e-05	-2.18e-04	1.01e-05
13	21	1.34e-03	0.02	-0.05	-2.17e-04	2.55e-05	1.26e-05
13	47	-7.27e-03	3.34e-03	-0.04	-6.32e-05	-9.90e-05	4.27e-06
13	53	4.47e-04	7.18e-03	-0.05	-1.13e-04	0.0	5.11e-06
13	69	-2.73e-04	8.91e-04	-0.04	-4.77e-05	-1.74e-05	0.0
13	71	-3.30e-04	1.20e-03	-0.05	-6.40e-05	-2.12e-05	0.0
13	73	-2.84e-04	9.53e-04	-0.04	-5.10e-05	-1.81e-05	0.0
13	74	-2.73e-04	8.91e-04	-0.04	-4.77e-05	-1.74e-05	0.0
14	2	-6.71e-05	6.22e-05	-0.07	5.76e-05	1.08e-04	0.0
14	20	-0.30	-0.11	-0.05	4.07e-04	-2.61e-04	1.08e-04
14	21	0.06	0.62	-0.06	-2.16e-03	1.65e-04	8.75e-05
14	27	-0.11	0.62	-0.06	-2.16e-03	-1.83e-05	8.76e-05
14	52	-0.12	-0.04	-0.05	1.77e-04	-6.92e-05	4.32e-05
14	53	0.03	0.24	-0.05	-8.16e-04	1.04e-04	3.50e-05
14	59	-0.04	0.24	-0.05	-8.17e-04	2.94e-05	3.50e-05
14	69	-4.69e-05	3.51e-05	-0.05	3.54e-05	6.24e-05	0.0
14	71	-5.10e-05	4.61e-05	-0.06	4.31e-05	8.06e-05	0.0
14	73	-4.77e-05	3.73e-05	-0.05	3.70e-05	6.60e-05	0.0
14	74	-4.69e-05	3.51e-05	-0.05	3.54e-05	6.24e-05	0.0
15	2	-4.40e-04	-1.63e-03	-0.06	8.65e-05	-2.84e-05	0.0
15	8	-0.02	-7.14e-03	-0.04	8.82e-05	-2.18e-04	-1.01e-05
15	26	1.34e-03	-0.02	-0.05	2.17e-04	2.55e-05	-1.26e-05
15	40	-7.27e-03	-3.34e-03	-0.04	6.32e-05	-9.90e-05	-4.28e-06
15	58	4.47e-04	-7.18e-03	-0.05	1.13e-04	0.0	-5.11e-06
15	69	-2.73e-04	-8.91e-04	-0.04	4.77e-05	-1.74e-05	0.0
15	71	-3.30e-04	-1.20e-03	-0.05	6.40e-05	-2.12e-05	0.0
15	73	-2.84e-04	-9.53e-04	-0.04	5.09e-05	-1.81e-05	0.0
15	74	-2.73e-04	-8.91e-04	-0.04	4.77e-05	-1.74e-05	0.0
16	2	-6.74e-05	-6.55e-05	-0.07	-5.75e-05	1.08e-04	0.0
16	11	-0.30	0.11	-0.05	-4.07e-04	-2.61e-04	-1.08e-04
16	24	-0.11	-0.62	-0.06	2.16e-03	-1.83e-05	-8.76e-05
16	26	0.06	-0.62	-0.06	2.16e-03	1.65e-04	-8.75e-05
16	43	-0.12	0.04	-0.05	-1.77e-04	-6.92e-05	-4.31e-05
16	56	-0.04	-0.24	-0.05	8.17e-04	2.94e-05	-3.50e-05
16	58	0.03	-0.24	-0.05	8.16e-04	1.04e-04	-3.50e-05
16	69	-4.71e-05	-3.72e-05	-0.05	-3.54e-05	6.24e-05	0.0
16	71	-5.12e-05	-4.86e-05	-0.06	-4.31e-05	8.06e-05	0.0
16	73	-4.79e-05	-3.95e-05	-0.05	-3.70e-05	6.60e-05	0.0
16	74	-4.71e-05	-3.72e-05	-0.05	-3.54e-05	6.24e-05	0.0
17	2	2.88e-03	-1.21e-03	-0.05	6.50e-05	1.37e-04	1.64e-06
17	5	0.02	0.02	-0.03	-8.90e-05	2.10e-04	1.92e-05
17	26	3.62e-03	-0.04	-0.10	7.66e-04	2.50e-04	-3.24e-05
17	37	8.49e-03	5.58e-03	-0.03	-7.84e-06	1.35e-04	8.12e-06
17	58	2.55e-03	-0.02	-0.06	3.22e-04	1.48e-04	-1.20e-05
17	69	1.72e-03	-7.60e-04	-0.03	4.07e-05	8.23e-05	0.0
17	71	2.15e-03	-9.09e-04	-0.04	4.88e-05	1.02e-04	1.21e-06
17	73	1.81e-03	-7.90e-04	-0.03	4.23e-05	8.63e-05	0.0
17	74	1.72e-03	-7.60e-04	-0.03	4.07e-05	8.23e-05	0.0
18	2	-6.11e-04	-2.00e-05	-0.06	-6.73e-05	-5.74e-04	0.0
18	11	-0.30	0.03	-0.01	-1.16e-04	-5.91e-04	-1.11e-04
18	26	0.10	-0.65	-0.11	1.04e-03	-1.98e-04	4.50e-05
18	43	-0.12	0.01	-0.03	-7.23e-05	-4.38e-04	-4.42e-05
18	58	0.04	-0.25	-0.06	3.72e-04	-2.79e-04	1.80e-05
18	69	-3.58e-04	-4.02e-06	-0.04	-4.85e-05	-3.33e-04	0.0
18	71	-4.55e-04	-1.39e-05	-0.04	-5.13e-05	-4.27e-04	0.0
18	73	-3.77e-04	-5.99e-06	-0.04	-4.90e-05	-3.52e-04	0.0
18	74	-3.58e-04	-4.02e-06	-0.04	-4.85e-05	-3.33e-04	0.0
19	2	2.88e-03	1.21e-03	-0.05	-6.50e-05	1.37e-04	-1.65e-06
19	14	0.02	-0.02	-0.03	8.90e-05	2.10e-04	-1.92e-05
19	21	3.62e-03	0.04	-0.10	-7.66e-04	2.50e-04	3.24e-05
19	46	8.49e-03	-5.58e-03	-0.03	7.85e-06	1.35e-04	-8.13e-06
19	53	2.55e-03	0.02	-0.06	-3.22e-04	1.48e-04	1.19e-05
19	69	1.72e-03	7.59e-04	-0.03	-4.07e-05	8.23e-05	0.0
19	71	2.15e-03	9.08e-04	-0.04	-4.87e-05	1.02e-04	-1.22e-06
19	73	1.81e-03	7.89e-04	-0.03	-4.23e-05	8.63e-05	0.0
19	74	1.72e-03	7.59e-04	-0.03	-4.07e-05	8.23e-05	0.0
20	2	-6.11e-04	1.54e-05	-0.06	6.73e-05	-5.74e-04	0.0
20	20	-0.30	-0.03	-0.01	1.16e-04	-5.91e-04	1.11e-04
20	21	0.10	0.65	-0.11	-1.04e-03	-1.98e-04	-4.51e-05
20	27	-0.07	0.65	-0.10	-1.04e-03	-3.39e-04	-4.49e-05
20	52	-0.12	-0.01	-0.03	7.22e-05	-4.38e-04	4.42e-05

20	53	0.04	0.25	-0.06	-3.72e-04	-2.79e-04	-1.80e-05
20	59	-0.03	0.25	-0.06	-3.73e-04	-3.37e-04	-1.79e-05
20	69	-3.58e-04	1.11e-06	-0.04	4.85e-05	-3.33e-04	0.0
20	71	-4.55e-04	1.04e-05	-0.04	5.13e-05	-4.27e-04	0.0
20	73	-3.77e-04	2.97e-06	-0.04	4.90e-05	-3.52e-04	0.0
20	74	-3.58e-04	1.11e-06	-0.04	4.85e-05	-3.33e-04	0.0
21	2	2.77e-03	9.77e-04	-0.06	-6.13e-05	1.24e-04	0.0
21	14	0.02	-0.02	-0.03	8.18e-05	1.83e-04	0.0
21	21	1.67e-03	0.04	-0.14	-7.04e-04	2.52e-04	0.0
21	27	-7.72e-03	0.04	-0.13	-6.57e-04	1.61e-04	0.0
21	46	8.71e-03	-6.02e-03	-0.04	6.85e-06	1.19e-04	0.0
21	53	1.75e-03	0.02	-0.08	-2.96e-04	1.44e-04	0.0
21	59	-2.08e-03	0.02	-0.07	-2.77e-04	1.07e-04	0.0
21	69	1.64e-03	6.17e-04	-0.04	-3.81e-05	7.42e-05	0.0
21	71	2.06e-03	7.34e-04	-0.04	-4.60e-05	9.24e-05	0.0
21	73	1.73e-03	6.40e-04	-0.04	-3.96e-05	7.79e-05	0.0
21	74	1.64e-03	6.17e-04	-0.04	-3.81e-05	7.42e-05	0.0
22	2	-7.85e-04	1.26e-03	-0.06	-7.34e-05	-5.85e-05	0.0
22	15	-0.02	7.16e-03	-0.04	-9.28e-05	-1.53e-04	0.0
22	21	-1.33e-05	0.02	-0.06	-1.54e-04	-1.95e-05	0.0
22	27	-9.31e-03	0.02	-0.06	-1.63e-04	-8.58e-05	0.0
22	47	-7.42e-03	3.22e-03	-0.04	-6.04e-05	-8.35e-05	0.0
22	53	-2.10e-04	6.43e-03	-0.05	-8.35e-05	-2.88e-05	0.0
22	59	-4.00e-03	6.85e-03	-0.05	-8.73e-05	-5.58e-05	0.0
22	69	-4.83e-04	6.65e-04	-0.04	-3.94e-05	-3.57e-05	0.0
22	71	-5.88e-04	9.31e-04	-0.05	-5.42e-05	-4.38e-05	0.0
22	73	-5.04e-04	7.18e-04	-0.04	-4.23e-05	-3.73e-05	0.0
22	74	-4.83e-04	6.65e-04	-0.04	-3.94e-05	-3.57e-05	0.0
23	2	6.64e-05	1.55e-03	-0.07	-8.32e-05	4.62e-06	0.0
23	17	0.02	4.53e-03	-0.05	-1.07e-04	1.37e-04	0.0
23	31	-3.07e-03	0.01	-0.08	-2.49e-04	-2.26e-05	0.0
23	46	6.88e-03	-5.54e-04	-0.04	-2.34e-05	5.74e-05	0.0
23	63	-1.26e-03	5.62e-03	-0.06	-1.25e-04	-7.70e-06	0.0
23	69	4.19e-05	8.70e-04	-0.04	-4.70e-05	2.90e-06	0.0
23	71	4.99e-05	1.15e-03	-0.05	-6.17e-05	3.47e-06	0.0
23	73	4.35e-05	9.26e-04	-0.04	-4.99e-05	3.01e-06	0.0
23	74	4.19e-05	8.70e-04	-0.04	-4.70e-05	2.90e-06	0.0
24	2	5.89e-04	1.21e-03	-0.06	-7.12e-05	5.15e-05	0.0
24	17	0.02	7.34e-03	-0.04	-9.25e-05	1.46e-04	0.0
24	31	-5.05e-05	0.02	-0.06	-1.53e-04	1.16e-05	0.0
24	33	9.22e-03	0.02	-0.06	-1.63e-04	7.70e-05	0.0
24	49	7.29e-03	3.27e-03	-0.04	-5.95e-05	7.79e-05	0.0
24	63	1.10e-04	6.52e-03	-0.05	-8.24e-05	2.29e-05	0.0
24	65	3.89e-03	6.96e-03	-0.05	-8.64e-05	4.96e-05	0.0
24	69	3.61e-04	6.32e-04	-0.04	-3.80e-05	3.12e-05	0.0
24	71	4.41e-04	8.91e-04	-0.05	-5.26e-05	3.85e-05	0.0
24	73	3.77e-04	6.84e-04	-0.04	-4.09e-05	3.26e-05	0.0
24	74	3.61e-04	6.32e-04	-0.04	-3.80e-05	3.12e-05	0.0
25	2	-2.46e-03	9.87e-04	-0.06	-6.03e-05	-1.08e-04	0.0
25	20	-0.02	-0.02	-0.03	8.10e-05	-1.74e-04	0.0
25	31	-1.42e-03	0.04	-0.14	-7.02e-04	-2.34e-04	0.0
25	33	7.94e-03	0.04	-0.13	-6.55e-04	-1.45e-04	0.0
25	52	-8.51e-03	-6.02e-03	-0.03	6.90e-06	-1.10e-04	0.0
25	63	-1.53e-03	0.02	-0.08	-2.95e-04	-1.31e-04	0.0
25	65	2.28e-03	0.02	-0.07	-2.76e-04	-9.48e-05	0.0
25	69	-1.46e-03	6.24e-04	-0.04	-3.75e-05	-6.47e-05	0.0
25	71	-1.83e-03	7.42e-04	-0.04	-4.52e-05	-8.06e-05	0.0
25	73	-1.53e-03	6.47e-04	-0.04	-3.90e-05	-6.79e-05	0.0
25	74	-1.46e-03	6.24e-04	-0.04	-3.75e-05	-6.47e-05	0.0
26	2	-2.46e-03	-9.87e-04	-0.06	6.02e-05	-1.08e-04	0.0
26	11	-0.02	0.02	-0.03	-8.11e-05	-1.74e-04	0.0
26	36	-1.43e-03	-0.04	-0.14	7.02e-04	-2.34e-04	0.0
26	43	-8.51e-03	6.02e-03	-0.03	-6.92e-06	-1.10e-04	0.0
26	68	-1.54e-03	-0.02	-0.08	2.95e-04	-1.31e-04	0.0
26	69	-1.46e-03	-6.24e-04	-0.04	3.75e-05	-6.48e-05	0.0
26	71	-1.83e-03	-7.41e-04	-0.04	4.52e-05	-8.07e-05	0.0
26	73	-1.53e-03	-6.47e-04	-0.04	3.90e-05	-6.80e-05	0.0
26	74	-1.46e-03	-6.24e-04	-0.04	3.75e-05	-6.48e-05	0.0
27	2	5.85e-04	-1.21e-03	-0.06	7.10e-05	5.12e-05	0.0
27	10	0.02	-7.34e-03	-0.04	9.24e-05	1.46e-04	0.0
27	30	9.22e-03	-0.02	-0.06	1.63e-04	7.68e-05	0.0
27	36	-5.33e-05	-0.02	-0.06	1.53e-04	1.14e-05	0.0
27	42	7.28e-03	-3.27e-03	-0.04	5.94e-05	7.77e-05	0.0
27	62	3.89e-03	-6.97e-03	-0.05	8.63e-05	4.95e-05	0.0
27	68	1.08e-04	-6.52e-03	-0.05	8.23e-05	2.28e-05	0.0
27	69	3.58e-04	-6.34e-04	-0.04	3.79e-05	3.10e-05	0.0

27	71	4.37e-04	-8.93e-04	-0.05	5.24e-05	3.83e-05	0.0
27	73	3.74e-04	-6.86e-04	-0.04	4.08e-05	3.25e-05	0.0
27	74	3.58e-04	-6.34e-04	-0.04	3.79e-05	3.10e-05	0.0
28	2	6.65e-05	-1.55e-03	-0.07	8.31e-05	4.62e-06	0.0
28	10	0.02	-4.53e-03	-0.05	1.07e-04	1.37e-04	0.0
28	36	-3.07e-03	-0.01	-0.08	2.49e-04	-2.26e-05	0.0
28	37	6.88e-03	5.54e-04	-0.04	2.34e-05	5.74e-05	0.0
28	68	-1.26e-03	-5.62e-03	-0.06	1.25e-04	-7.70e-06	0.0
28	69	4.19e-05	-8.70e-04	-0.04	4.70e-05	2.90e-06	0.0
28	71	4.99e-05	-1.15e-03	-0.05	6.17e-05	3.47e-06	0.0
28	73	4.35e-05	-9.26e-04	-0.04	4.99e-05	3.02e-06	0.0
28	74	4.19e-05	-8.70e-04	-0.04	4.70e-05	2.90e-06	0.0
29	2	-7.87e-04	-1.26e-03	-0.06	7.35e-05	-5.87e-05	0.0
29	8	-0.02	-7.15e-03	-0.04	9.29e-05	-1.53e-04	0.0
29	24	-9.31e-03	-0.02	-0.06	1.63e-04	-8.59e-05	0.0
29	26	-1.53e-05	-0.02	-0.06	1.54e-04	-1.96e-05	0.0
29	40	-7.42e-03	-3.21e-03	-0.04	6.05e-05	-8.36e-05	0.0
29	56	-4.00e-03	-6.85e-03	-0.05	8.74e-05	-5.59e-05	0.0
29	58	-2.11e-04	-6.43e-03	-0.05	8.36e-05	-2.89e-05	0.0
29	69	-4.84e-04	-6.64e-04	-0.04	3.94e-05	-3.58e-05	0.0
29	71	-5.89e-04	-9.30e-04	-0.05	5.43e-05	-4.39e-05	0.0
29	73	-5.05e-04	-7.17e-04	-0.04	4.24e-05	-3.74e-05	0.0
29	74	-4.84e-04	-6.64e-04	-0.04	3.94e-05	-3.58e-05	0.0
30	2	2.77e-03	-9.79e-04	-0.06	6.14e-05	1.24e-04	0.0
30	5	0.02	0.02	-0.03	-8.18e-05	1.83e-04	0.0
30	24	-7.72e-03	-0.04	-0.13	6.57e-04	1.61e-04	0.0
30	26	1.67e-03	-0.04	-0.14	7.04e-04	2.52e-04	0.0
30	37	8.71e-03	6.02e-03	-0.04	-6.82e-06	1.19e-04	0.0
30	56	-2.08e-03	-0.02	-0.07	2.77e-04	1.07e-04	0.0
30	58	1.75e-03	-0.02	-0.08	2.96e-04	1.44e-04	0.0
30	69	1.64e-03	-6.18e-04	-0.04	3.81e-05	7.42e-05	0.0
30	71	2.06e-03	-7.35e-04	-0.04	4.60e-05	9.24e-05	0.0
30	73	1.73e-03	-6.42e-04	-0.04	3.97e-05	7.79e-05	0.0
30	74	1.64e-03	-6.18e-04	-0.04	3.81e-05	7.42e-05	0.0
31	2	2.21e-03	1.54e-03	-0.05	-7.88e-05	1.24e-04	0.0
31	17	0.02	7.72e-03	-0.03	-5.82e-05	9.10e-05	0.0
31	31	8.18e-04	0.02	-0.05	-1.44e-04	7.51e-05	0.0
31	49	7.15e-03	3.54e-03	-0.03	-4.85e-05	8.14e-05	0.0
31	63	1.05e-03	7.49e-03	-0.04	-8.20e-05	7.49e-05	0.0
31	69	1.33e-03	8.37e-04	-0.04	-4.28e-05	7.49e-05	0.0
31	71	1.65e-03	1.14e-03	-0.04	-5.82e-05	9.30e-05	0.0
31	73	1.39e-03	8.97e-04	-0.04	-4.59e-05	7.85e-05	0.0
31	74	1.33e-03	8.37e-04	-0.04	-4.28e-05	7.49e-05	0.0
32	2	2.24e-03	7.85e-04	-0.04	-4.11e-05	1.27e-04	0.0
32	17	0.01	7.70e-03	-0.03	-2.29e-05	4.57e-05	0.0
32	31	9.63e-04	0.02	-0.04	-1.01e-04	6.48e-05	0.0
32	49	6.85e-03	3.26e-03	-0.03	-2.09e-05	6.40e-05	0.0
32	63	1.13e-03	7.39e-03	-0.03	-5.18e-05	7.20e-05	0.0
32	69	1.35e-03	3.85e-04	-0.03	-2.03e-05	7.63e-05	0.0
32	71	1.68e-03	5.75e-04	-0.03	-3.01e-05	9.48e-05	0.0
32	73	1.42e-03	4.23e-04	-0.03	-2.23e-05	8.00e-05	0.0
32	74	1.35e-03	3.85e-04	-0.03	-2.03e-05	7.63e-05	0.0
33	2	1.33e-03	3.48e-04	-0.03	-1.83e-05	8.08e-05	0.0
33	17	0.01	8.28e-03	-0.02	-1.98e-05	-1.24e-05	0.0
33	31	-4.48e-05	0.02	-0.04	-9.59e-05	-2.16e-06	0.0
33	49	6.07e-03	3.34e-03	-0.02	-1.17e-05	2.40e-05	0.0
33	63	4.00e-04	7.81e-03	-0.03	-4.15e-05	2.91e-05	0.0
33	69	7.98e-04	1.31e-04	-0.02	-7.05e-06	4.84e-05	0.0
33	71	9.92e-04	2.49e-04	-0.03	-1.31e-05	6.03e-05	0.0
33	73	8.37e-04	1.55e-04	-0.02	-8.26e-06	5.08e-05	0.0
33	74	7.98e-04	1.31e-04	-0.02	-7.05e-06	4.84e-05	0.0
34	2	3.59e-05	2.53e-04	-0.03	-1.27e-05	1.62e-05	0.0
34	17	0.01	9.52e-03	-0.02	-3.02e-05	-5.97e-05	0.0
34	31	-1.69e-03	0.02	-0.04	-1.42e-04	-9.86e-05	0.0
34	49	5.28e-03	3.80e-03	-0.02	-1.42e-05	-1.82e-05	0.0
34	63	-7.16e-04	8.84e-03	-0.03	-5.77e-05	-3.24e-05	0.0
34	69	1.49e-05	9.04e-05	-0.02	-4.50e-06	9.18e-06	0.0
34	71	2.59e-05	1.80e-04	-0.02	-9.04e-06	1.20e-05	0.0
34	73	1.71e-05	1.08e-04	-0.02	-5.41e-06	9.75e-06	0.0
34	74	1.49e-05	9.04e-05	-0.02	-4.50e-06	9.18e-06	0.0
35	2	-1.35e-03	5.56e-04	-0.03	-2.55e-05	-5.27e-05	0.0
35	20	-0.01	-0.01	-9.28e-03	8.43e-05	0.0	0.0
35	31	-3.71e-03	0.03	-0.05	-2.58e-04	-2.18e-04	0.0
35	52	-6.24e-03	-4.12e-03	-0.02	2.49e-05	-2.08e-05	0.0
35	63	-2.02e-03	0.01	-0.03	-1.08e-04	-1.05e-04	0.0
35	69	-8.30e-04	3.01e-04	-0.02	-1.36e-05	-3.28e-05	0.0

35	71	-1.01e-03	4.11e-04	-0.02	-1.88e-05	-3.95e-05	0.0
35	73	-8.67e-04	3.23e-04	-0.02	-1.46e-05	-3.42e-05	0.0
35	74	-8.30e-04	3.01e-04	-0.02	-1.36e-05	-3.28e-05	0.0
36	2	-2.43e-03	1.16e-03	-0.04	-5.49e-05	-1.09e-04	0.0
36	15	-0.02	1.43e-03	-0.04	-1.57e-04	-1.63e-04	0.0
36	31	-4.85e-03	0.03	-0.07	-4.69e-04	-2.98e-04	0.0
36	47	-7.30e-03	9.10e-04	-0.03	-8.22e-05	-1.05e-04	0.0
36	63	-2.87e-03	0.01	-0.04	-2.02e-04	-1.57e-04	0.0
36	69	-1.48e-03	7.14e-04	-0.03	-3.34e-05	-6.68e-05	0.0
36	71	-1.82e-03	8.72e-04	-0.03	-4.11e-05	-8.13e-05	0.0
36	73	-1.55e-03	7.45e-04	-0.03	-3.49e-05	-6.97e-05	0.0
36	74	-1.48e-03	7.14e-04	-0.03	-3.34e-05	-6.68e-05	0.0
37	2	-2.28e-03	1.59e-03	-0.04	-8.29e-05	-9.39e-05	0.0
37	15	-0.02	1.45e-03	-0.04	-1.38e-04	-1.71e-04	0.0
37	31	-5.41e-03	0.03	-0.05	-3.30e-04	-1.68e-04	0.0
37	47	-7.52e-03	1.09e-03	-0.03	-8.59e-05	-1.02e-04	0.0
37	63	-3.01e-03	0.01	-0.04	-1.60e-04	-1.00e-04	0.0
37	69	-1.36e-03	9.91e-04	-0.03	-5.15e-05	-5.60e-05	0.0
37	71	-1.70e-03	1.19e-03	-0.03	-6.21e-05	-7.00e-05	0.0
37	73	-1.43e-03	1.03e-03	-0.03	-5.36e-05	-5.88e-05	0.0
37	74	-1.36e-03	9.91e-04	-0.03	-5.15e-05	-5.60e-05	0.0
38	2	-1.51e-03	6.46e-04	-0.03	-3.30e-05	-5.94e-05	0.0
38	11	-0.01	0.01	-0.03	-7.71e-05	-1.06e-04	0.0
38	20	-0.02	-0.01	-0.03	1.25e-06	-9.90e-05	0.0
38	31	-4.72e-03	0.03	-0.03	-1.47e-04	-6.67e-05	0.0
38	43	-6.53e-03	5.15e-03	-0.03	-4.28e-05	-6.35e-05	0.0
38	52	-6.65e-03	-4.28e-03	-0.03	-1.23e-05	-6.06e-05	0.0
38	63	-2.45e-03	0.01	-0.03	-6.97e-05	-4.72e-05	0.0
38	69	-8.76e-04	4.01e-04	-0.02	-2.04e-05	-3.41e-05	0.0
38	71	-1.13e-03	4.84e-04	-0.03	-2.47e-05	-4.42e-05	0.0
38	73	-9.26e-04	4.17e-04	-0.02	-2.13e-05	-3.61e-05	0.0
38	74	-8.76e-04	4.01e-04	-0.02	-2.04e-05	-3.41e-05	0.0
39	2	-1.51e-03	-6.46e-04	-0.03	3.30e-05	-5.94e-05	0.0
39	11	-0.02	0.01	-0.03	-1.26e-06	-9.89e-05	0.0
39	20	-0.01	-0.01	-0.03	7.71e-05	-1.06e-04	0.0
39	36	-4.72e-03	-0.03	-0.03	1.48e-04	-6.69e-05	0.0
39	43	-6.65e-03	4.28e-03	-0.03	1.23e-05	-6.06e-05	0.0
39	52	-6.53e-03	-5.15e-03	-0.03	4.28e-05	-6.35e-05	0.0
39	68	-2.45e-03	-0.01	-0.03	6.98e-05	-4.72e-05	0.0
39	69	-8.76e-04	-4.01e-04	-0.02	2.04e-05	-3.41e-05	0.0
39	71	-1.13e-03	-4.84e-04	-0.03	2.47e-05	-4.42e-05	0.0
39	73	-9.26e-04	-4.18e-04	-0.02	2.13e-05	-3.61e-05	0.0
39	74	-8.76e-04	-4.01e-04	-0.02	2.04e-05	-3.41e-05	0.0
40	2	-2.28e-03	-1.59e-03	-0.04	8.29e-05	-9.39e-05	0.0
40	8	-0.02	-1.45e-03	-0.04	1.38e-04	-1.71e-04	0.0
40	36	-5.41e-03	-0.03	-0.05	3.31e-04	-1.68e-04	0.0
40	40	-7.52e-03	-1.09e-03	-0.03	8.59e-05	-1.02e-04	0.0
40	68	-3.01e-03	-0.01	-0.04	1.60e-04	-1.00e-04	0.0
40	69	-1.36e-03	-9.90e-04	-0.03	5.14e-05	-5.60e-05	0.0
40	71	-1.70e-03	-1.19e-03	-0.03	6.21e-05	-7.00e-05	0.0
40	73	-1.43e-03	-1.03e-03	-0.03	5.36e-05	-5.88e-05	0.0
40	74	-1.36e-03	-9.90e-04	-0.03	5.14e-05	-5.60e-05	0.0
41	2	-2.43e-03	-1.17e-03	-0.04	5.50e-05	-1.09e-04	0.0
41	8	-0.02	-1.43e-03	-0.04	1.57e-04	-1.63e-04	0.0
41	36	-4.85e-03	-0.03	-0.07	4.69e-04	-2.98e-04	0.0
41	40	-7.30e-03	-9.12e-04	-0.03	8.22e-05	-1.05e-04	0.0
41	68	-2.87e-03	-0.01	-0.04	2.02e-04	-1.57e-04	0.0
41	69	-1.48e-03	-7.15e-04	-0.03	3.35e-05	-6.68e-05	0.0
41	71	-1.82e-03	-8.73e-04	-0.03	4.11e-05	-8.14e-05	0.0
41	73	-1.55e-03	-7.46e-04	-0.03	3.50e-05	-6.97e-05	0.0
41	74	-1.48e-03	-7.15e-04	-0.03	3.35e-05	-6.68e-05	0.0
42	2	-1.35e-03	-5.56e-04	-0.03	2.55e-05	-5.27e-05	0.0
42	11	-0.01	0.01	-9.28e-03	-8.44e-05	0.0	0.0
42	36	-3.71e-03	-0.03	-0.05	2.58e-04	-2.18e-04	0.0
42	43	-6.24e-03	4.12e-03	-0.02	-2.49e-05	-2.08e-05	0.0
42	68	-2.02e-03	-0.01	-0.03	1.08e-04	-1.05e-04	0.0
42	69	-8.30e-04	-3.01e-04	-0.02	1.36e-05	-3.28e-05	0.0
42	71	-1.01e-03	-4.11e-04	-0.02	1.88e-05	-3.95e-05	0.0
42	73	-8.66e-04	-3.23e-04	-0.02	1.46e-05	-3.42e-05	0.0
42	74	-8.30e-04	-3.01e-04	-0.02	1.36e-05	-3.28e-05	0.0
43	2	3.54e-05	-2.52e-04	-0.03	1.26e-05	1.62e-05	0.0
43	10	0.01	-9.51e-03	-0.02	3.02e-05	-5.97e-05	0.0
43	36	-1.69e-03	-0.02	-0.04	1.42e-04	-9.85e-05	0.0
43	42	5.27e-03	-3.80e-03	-0.02	1.42e-05	-1.82e-05	0.0
43	68	-7.17e-04	-8.84e-03	-0.03	5.77e-05	-3.24e-05	0.0
43	69	1.46e-05	-9.02e-05	-0.02	4.47e-06	9.17e-06	0.0

43	71	2.55e-05	-1.80e-04	-0.02	9.01e-06	1.20e-05	0.0
43	73	1.67e-05	-1.08e-04	-0.02	5.38e-06	9.73e-06	0.0
43	74	1.46e-05	-9.02e-05	-0.02	4.47e-06	9.17e-06	0.0
44	2	1.33e-03	-3.47e-04	-0.03	1.82e-05	8.08e-05	0.0
44	10	0.01	-8.28e-03	-0.02	1.98e-05	-1.25e-05	0.0
44	36	-4.58e-05	-0.02	-0.04	9.58e-05	-2.19e-06	0.0
44	42	6.07e-03	-3.34e-03	-0.02	1.17e-05	2.40e-05	0.0
44	68	4.00e-04	-7.81e-03	-0.03	4.15e-05	2.90e-05	0.0
44	69	7.98e-04	-1.31e-04	-0.02	7.02e-06	4.84e-05	0.0
44	71	9.91e-04	-2.49e-04	-0.03	1.31e-05	6.03e-05	0.0
44	73	8.37e-04	-1.54e-04	-0.02	8.23e-06	5.08e-05	0.0
44	74	7.98e-04	-1.31e-04	-0.02	7.02e-06	4.84e-05	0.0
45	2	2.24e-03	-7.85e-04	-0.04	4.10e-05	1.27e-04	0.0
45	10	0.01	-7.70e-03	-0.03	2.29e-05	4.57e-05	0.0
45	36	9.61e-04	-0.02	-0.04	1.01e-04	6.47e-05	0.0
45	42	6.85e-03	-3.26e-03	-0.03	2.09e-05	6.39e-05	0.0
45	68	1.13e-03	-7.39e-03	-0.03	5.18e-05	7.20e-05	0.0
45	69	1.35e-03	-3.84e-04	-0.03	2.03e-05	7.63e-05	0.0
45	71	1.67e-03	-5.75e-04	-0.03	3.01e-05	9.48e-05	0.0
45	73	1.41e-03	-4.23e-04	-0.03	2.22e-05	8.00e-05	0.0
45	74	1.35e-03	-3.84e-04	-0.03	2.03e-05	7.63e-05	0.0
46	2	2.20e-03	-1.54e-03	-0.05	7.87e-05	1.24e-04	0.0
46	10	0.02	-7.72e-03	-0.03	5.81e-05	9.09e-05	0.0
46	36	8.16e-04	-0.02	-0.05	1.44e-04	7.51e-05	0.0
46	42	7.15e-03	-3.54e-03	-0.03	4.84e-05	8.14e-05	0.0
46	68	1.05e-03	-7.49e-03	-0.04	8.19e-05	7.48e-05	0.0
46	69	1.33e-03	-8.36e-04	-0.04	4.27e-05	7.49e-05	0.0
46	71	1.65e-03	-1.14e-03	-0.04	5.82e-05	9.29e-05	0.0
46	73	1.39e-03	-8.97e-04	-0.04	4.58e-05	7.85e-05	0.0
46	74	1.33e-03	-8.36e-04	-0.04	4.27e-05	7.49e-05	0.0
47	2	-1.99e-03	-1.44e-03	-0.05	7.58e-05	-9.52e-05	0.0
47	11	-0.01	4.84e-03	-0.03	-2.01e-06	-5.81e-05	0.0
47	30	5.09e-03	-0.02	-0.05	1.39e-04	-6.90e-05	0.0
47	36	-2.63e-03	-0.02	-0.04	1.31e-04	-7.28e-05	0.0
47	43	-6.79e-03	1.42e-03	-0.03	2.40e-05	-5.72e-05	0.0
47	62	1.33e-03	-6.47e-03	-0.04	7.89e-05	-6.13e-05	0.0
47	68	-1.82e-03	-6.49e-03	-0.04	7.57e-05	-6.28e-05	0.0
47	69	-1.18e-03	-7.76e-04	-0.04	4.08e-05	-5.65e-05	0.0
47	71	-1.48e-03	-1.06e-03	-0.04	5.60e-05	-7.10e-05	0.0
47	73	-1.24e-03	-8.33e-04	-0.04	4.39e-05	-5.94e-05	0.0
47	74	-1.18e-03	-7.76e-04	-0.04	4.08e-05	-5.65e-05	0.0
48	2	-1.95e-03	-8.21e-04	-0.05	4.28e-05	-9.35e-05	0.0
48	11	-0.01	4.60e-03	-0.02	-1.57e-05	-1.98e-05	0.0
48	30	4.75e-03	-0.01	-0.04	8.87e-05	-7.27e-05	0.0
48	43	-6.45e-03	1.56e-03	-0.03	6.37e-06	-4.07e-05	0.0
48	62	1.21e-03	-5.46e-03	-0.04	4.73e-05	-6.21e-05	0.0
48	69	-1.15e-03	-3.98e-04	-0.03	2.09e-05	-5.51e-05	0.0
48	71	-1.45e-03	-6.00e-04	-0.04	3.13e-05	-6.97e-05	0.0
48	73	-1.21e-03	-4.39e-04	-0.03	2.30e-05	-5.80e-05	0.0
48	74	-1.15e-03	-3.98e-04	-0.03	2.09e-05	-5.51e-05	0.0
49	2	-8.32e-04	-4.42e-04	-0.04	2.34e-05	-3.72e-05	0.0
49	11	-0.01	4.22e-03	-0.02	-1.24e-05	3.38e-05	0.0
49	30	5.31e-03	-0.01	-0.04	6.40e-05	-2.60e-05	0.0
49	43	-5.56e-03	1.55e-03	-0.03	0.0	1.45e-06	0.0
49	62	1.84e-03	-4.81e-03	-0.03	3.05e-05	-2.32e-05	0.0
49	69	-4.72e-04	-1.72e-04	-0.03	9.35e-06	-2.09e-05	0.0
49	71	-6.17e-04	-3.17e-04	-0.03	1.68e-05	-2.76e-05	0.0
49	73	-5.01e-04	-2.01e-04	-0.03	1.08e-05	-2.22e-05	0.0
49	74	-4.72e-04	-1.72e-04	-0.03	9.35e-06	-2.09e-05	0.0
50	2	5.90e-04	-4.46e-04	-0.04	2.36e-05	3.43e-05	0.0
50	10	0.01	-3.00e-03	-0.03	2.09e-05	-2.46e-05	0.0
50	24	-2.40e-03	-9.63e-03	-0.04	7.53e-05	8.98e-05	0.0
50	36	-6.10e-04	-0.01	-0.04	7.60e-05	7.69e-05	0.0
50	42	5.51e-03	-1.26e-03	-0.03	1.39e-05	3.03e-06	0.0
50	56	-7.59e-04	-3.84e-03	-0.03	3.52e-05	4.89e-05	0.0
50	68	-6.73e-05	-4.65e-03	-0.03	3.55e-05	4.39e-05	0.0
50	69	3.90e-04	-1.81e-04	-0.03	9.76e-06	2.24e-05	0.0
50	71	4.46e-04	-3.22e-04	-0.03	1.70e-05	2.59e-05	0.0
50	73	4.01e-04	-2.09e-04	-0.03	1.12e-05	2.31e-05	0.0
50	74	3.90e-04	-1.81e-04	-0.03	9.76e-06	2.24e-05	0.0
51	2	1.75e-03	-8.37e-04	-0.05	4.34e-05	9.28e-05	0.0
51	10	0.01	-3.51e-03	-0.03	3.22e-05	4.36e-05	0.0
51	24	-1.82e-03	-0.01	-0.05	1.28e-04	1.32e-04	0.0
51	36	5.21e-05	-0.01	-0.05	1.25e-04	1.24e-04	0.0
51	42	6.47e-03	-1.61e-03	-0.03	2.57e-05	5.16e-05	0.0
51	56	-1.07e-04	-4.43e-03	-0.04	6.33e-05	8.65e-05	0.0

51	68	6.14e-04	-4.97e-03	-0.04	6.22e-05	8.38e-05	0.0
51	69	1.09e-03	-4.27e-04	-0.03	2.22e-05	5.78e-05	0.0
51	71	1.31e-03	-6.15e-04	-0.03	3.19e-05	6.96e-05	0.0
51	73	1.13e-03	-4.65e-04	-0.03	2.42e-05	6.01e-05	0.0
51	74	1.09e-03	-4.27e-04	-0.03	2.22e-05	5.78e-05	0.0
52	2	1.97e-03	-1.52e-03	-0.05	7.79e-05	1.03e-04	0.0
52	10	0.02	-4.90e-03	-0.04	7.60e-05	9.05e-05	0.0
52	24	-2.14e-03	-0.01	-0.06	2.07e-04	1.20e-04	0.0
52	30	7.57e-03	-0.01	-0.05	1.96e-04	1.26e-04	0.0
52	42	6.88e-03	-2.43e-03	-0.04	5.59e-05	7.41e-05	0.0
52	56	-1.54e-04	-5.41e-03	-0.05	1.07e-04	8.52e-05	0.0
52	62	3.76e-03	-5.76e-03	-0.04	1.03e-04	8.76e-05	0.0
52	69	1.22e-03	-8.60e-04	-0.04	4.38e-05	6.34e-05	0.0
52	71	1.48e-03	-1.13e-03	-0.04	5.77e-05	7.70e-05	0.0
52	73	1.27e-03	-9.14e-04	-0.04	4.66e-05	6.62e-05	0.0
52	74	1.22e-03	-8.60e-04	-0.04	4.38e-05	6.34e-05	0.0
53	2	-1.83e-03	-1.55e-03	-0.06	7.94e-05	-9.34e-05	0.0
53	8	-0.02	-4.89e-03	-0.04	7.90e-05	-8.68e-05	0.0
53	24	-7.44e-03	-0.01	-0.05	2.00e-04	-1.18e-04	0.0
53	30	2.30e-03	-0.01	-0.06	2.10e-04	-1.11e-04	0.0
53	40	-6.81e-03	-2.43e-03	-0.04	5.78e-05	-6.90e-05	0.0
53	56	-3.65e-03	-5.77e-03	-0.04	1.05e-04	-8.11e-05	0.0
53	62	2.74e-04	-5.47e-03	-0.05	1.09e-04	-7.79e-05	0.0
53	69	-1.13e-03	-8.75e-04	-0.04	4.48e-05	-5.74e-05	0.0
53	71	-1.37e-03	-1.15e-03	-0.04	5.89e-05	-6.99e-05	0.0
53	73	-1.17e-03	-9.30e-04	-0.04	4.76e-05	-5.99e-05	0.0
53	74	-1.13e-03	-8.75e-04	-0.04	4.48e-05	-5.74e-05	0.0
54	2	-1.64e-03	-9.15e-04	-0.05	4.75e-05	-8.53e-05	0.0
54	8	-0.01	-3.60e-03	-0.03	3.64e-05	-4.05e-05	0.0
54	26	9.03e-05	-0.01	-0.05	1.31e-04	-1.17e-04	0.0
54	30	1.96e-03	-0.01	-0.05	1.34e-04	-1.25e-04	0.0
54	40	-6.41e-03	-1.68e-03	-0.03	2.89e-05	-4.75e-05	0.0
54	58	-5.16e-04	-5.01e-03	-0.04	6.60e-05	-7.80e-05	0.0
54	62	2.03e-04	-4.53e-03	-0.04	6.71e-05	-8.08e-05	0.0
54	69	-1.02e-03	-4.77e-04	-0.03	2.48e-05	-5.29e-05	0.0
54	71	-1.23e-03	-6.73e-04	-0.04	3.49e-05	-6.39e-05	0.0
54	73	-1.06e-03	-5.16e-04	-0.03	2.68e-05	-5.51e-05	0.0
54	74	-1.02e-03	-4.77e-04	-0.03	2.48e-05	-5.29e-05	0.0
55	2	-5.40e-04	-5.57e-04	-0.04	2.92e-05	-2.95e-05	0.0
55	8	-0.01	-3.11e-03	-0.03	2.59e-05	2.62e-05	0.0
55	26	7.00e-04	-0.01	-0.04	8.36e-05	-7.29e-05	0.0
55	30	2.49e-03	-9.82e-03	-0.04	8.29e-05	-8.60e-05	0.0
55	40	-5.48e-03	-1.35e-03	-0.03	1.81e-05	0.0	0.0
55	58	1.23e-04	-4.71e-03	-0.03	4.06e-05	-4.04e-05	0.0
55	62	8.12e-04	-3.96e-03	-0.03	4.03e-05	-4.55e-05	0.0
55	69	-3.56e-04	-2.52e-04	-0.03	1.33e-05	-1.93e-05	0.0
55	71	-4.08e-04	-4.05e-04	-0.03	2.12e-05	-2.23e-05	0.0
55	73	-3.66e-04	-2.83e-04	-0.03	1.49e-05	-1.99e-05	0.0
55	74	-3.56e-04	-2.52e-04	-0.03	1.33e-05	-1.93e-05	0.0
56	2	8.15e-04	-5.69e-04	-0.04	2.98e-05	3.86e-05	0.0
56	5	0.01	4.07e-03	-0.03	-9.53e-06	-3.10e-05	0.0
56	24	-5.30e-03	-0.01	-0.04	7.22e-05	2.56e-05	0.0
56	37	5.56e-03	1.43e-03	-0.03	4.44e-06	0.0	0.0
56	56	-1.84e-03	-4.87e-03	-0.03	3.62e-05	2.36e-05	0.0
56	69	4.61e-04	-2.54e-04	-0.03	1.35e-05	2.18e-05	0.0
56	71	6.05e-04	-4.13e-04	-0.03	2.17e-05	2.87e-05	0.0
56	73	4.90e-04	-2.86e-04	-0.03	1.51e-05	2.32e-05	0.0
56	74	4.61e-04	-2.54e-04	-0.03	1.35e-05	2.18e-05	0.0
57	2	1.85e-03	-9.42e-04	-0.05	4.91e-05	9.09e-05	0.0
57	5	0.01	4.41e-03	-0.02	-1.24e-05	2.11e-05	0.0
57	24	-4.81e-03	-0.01	-0.04	9.61e-05	6.81e-05	0.0
57	37	6.40e-03	1.44e-03	-0.03	1.01e-05	4.02e-05	0.0
57	56	-1.27e-03	-5.48e-03	-0.04	5.25e-05	5.93e-05	0.0
57	69	1.08e-03	-4.75e-04	-0.03	2.49e-05	5.33e-05	0.0
57	71	1.38e-03	-6.91e-04	-0.04	3.60e-05	6.77e-05	0.0
57	73	1.14e-03	-5.19e-04	-0.03	2.71e-05	5.62e-05	0.0
57	74	1.08e-03	-4.75e-04	-0.03	2.49e-05	5.33e-05	0.0
58	2	1.81e-03	-1.51e-03	-0.06	8.00e-05	8.86e-05	0.0
58	5	0.01	4.65e-03	-0.03	1.16e-06	5.81e-05	0.0
58	24	-5.21e-03	-0.02	-0.05	1.43e-04	6.02e-05	0.0
58	26	2.54e-03	-0.02	-0.04	1.36e-04	6.60e-05	0.0
58	37	6.69e-03	1.32e-03	-0.03	2.68e-05	5.46e-05	0.0
58	56	-1.44e-03	-6.43e-03	-0.04	8.22e-05	5.52e-05	0.0
58	58	1.71e-03	-6.45e-03	-0.04	7.92e-05	5.75e-05	0.0
58	69	1.07e-03	-8.22e-04	-0.04	4.35e-05	5.21e-05	0.0
58	71	1.35e-03	-1.12e-03	-0.04	5.91e-05	6.60e-05	0.0

58	73	1.12e-03	-8.81e-04	-0.04	4.66e-05	5.49e-05	0.0
58	74	1.07e-03	-8.22e-04	-0.04	4.35e-05	5.21e-05	0.0
59	2	-2.44e-03	-1.55e-03	-0.05	7.87e-05	-1.34e-04	0.0
59	8	-0.02	-7.52e-03	-0.03	5.51e-05	-9.34e-05	0.0
59	26	-1.05e-03	-0.02	-0.05	1.39e-04	-8.88e-05	0.0
59	40	-7.25e-03	-3.47e-03	-0.03	4.72e-05	-8.59e-05	0.0
59	58	-1.23e-03	-7.34e-03	-0.04	8.03e-05	-8.39e-05	0.0
59	69	-1.47e-03	-8.44e-04	-0.04	4.27e-05	-8.09e-05	0.0
59	71	-1.82e-03	-1.15e-03	-0.04	5.81e-05	-1.00e-04	0.0
59	73	-1.54e-03	-9.05e-04	-0.04	4.58e-05	-8.47e-05	0.0
59	74	-1.47e-03	-8.44e-04	-0.04	4.27e-05	-8.09e-05	0.0
60	2	-2.38e-03	-7.33e-04	-0.04	3.81e-05	-1.32e-04	0.0
60	8	-0.01	-7.42e-03	-0.02	1.81e-05	-4.71e-05	0.0
60	26	-1.14e-03	-0.02	-0.04	9.18e-05	-7.49e-05	0.0
60	40	-6.90e-03	-3.13e-03	-0.03	1.79e-05	-6.64e-05	0.0
60	58	-1.25e-03	-7.18e-03	-0.03	4.70e-05	-7.79e-05	0.0
60	69	-1.44e-03	-3.52e-04	-0.03	1.84e-05	-7.96e-05	0.0
60	71	-1.78e-03	-5.35e-04	-0.03	2.79e-05	-9.85e-05	0.0
60	73	-1.51e-03	-3.88e-04	-0.03	2.03e-05	-8.33e-05	0.0
60	74	-1.44e-03	-3.52e-04	-0.03	1.84e-05	-7.96e-05	0.0
61	2	-1.37e-03	-2.70e-04	-0.03	1.43e-05	-8.11e-05	0.0
61	8	-0.01	-7.99e-03	-0.02	1.54e-05	1.28e-05	0.0
61	26	-9.75e-05	-0.02	-0.03	8.30e-05	-4.91e-06	0.0
61	40	-6.07e-03	-3.19e-03	-0.02	8.53e-06	-2.40e-05	0.0
61	58	-4.76e-04	-7.57e-03	-0.03	3.50e-05	-3.21e-05	0.0
61	69	-8.30e-04	-8.15e-05	-0.02	4.55e-06	-4.88e-05	0.0
61	71	-1.03e-03	-1.91e-04	-0.02	1.02e-05	-6.06e-05	0.0
61	73	-8.70e-04	-1.03e-04	-0.02	5.68e-06	-5.12e-05	0.0
61	74	-8.30e-04	-8.15e-05	-0.02	4.55e-06	-4.88e-05	0.0
62	2	-1.03e-05	-1.81e-04	-0.03	9.17e-06	-1.29e-05	0.0
62	8	-0.01	-9.24e-03	-0.02	2.60e-05	6.32e-05	0.0
62	26	1.67e-03	-0.02	-0.04	1.28e-04	9.91e-05	0.0
62	40	-5.22e-03	-3.66e-03	-0.02	1.12e-05	2.07e-05	0.0
62	58	7.18e-04	-8.60e-03	-0.03	5.10e-05	3.37e-05	0.0
62	69	-1.57e-06	-4.43e-05	-0.02	2.25e-06	-7.35e-06	0.0
62	71	-7.05e-06	-1.27e-04	-0.02	6.41e-06	-9.60e-06	0.0
62	73	-2.67e-06	-6.08e-05	-0.02	3.08e-06	-7.80e-06	0.0
62	74	-1.57e-06	-4.43e-05	-0.02	2.25e-06	-7.35e-06	0.0
63	2	1.44e-03	-4.89e-04	-0.03	2.28e-05	5.93e-05	0.0
63	5	0.01	0.01	-8.83e-03	-8.22e-05	4.56e-06	0.0
63	24	-3.93e-03	-0.03	-0.05	2.45e-04	2.07e-04	0.0
63	26	3.73e-03	-0.03	-0.05	2.45e-04	2.20e-04	0.0
63	37	6.26e-03	4.08e-03	-0.02	-2.52e-05	2.47e-05	0.0
63	56	-1.06e-03	-0.01	-0.03	1.02e-04	1.02e-04	0.0
63	58	2.06e-03	-0.01	-0.03	1.02e-04	1.08e-04	0.0
63	69	8.86e-04	-2.57e-04	-0.02	1.18e-05	3.68e-05	0.0
63	71	1.08e-03	-3.60e-04	-0.02	1.67e-05	4.44e-05	0.0
63	73	9.25e-04	-2.78e-04	-0.02	1.28e-05	3.83e-05	0.0
63	74	8.86e-04	-2.57e-04	-0.02	1.18e-05	3.68e-05	0.0
64	2	2.64e-03	-1.20e-03	-0.04	5.52e-05	1.20e-04	0.0
64	10	0.02	-1.54e-03	-0.04	1.55e-04	1.69e-04	0.0
64	26	5.10e-03	-0.03	-0.07	4.61e-04	3.12e-04	0.0
64	42	7.39e-03	-9.66e-04	-0.03	8.14e-05	1.12e-04	0.0
64	58	3.04e-03	-0.01	-0.04	1.99e-04	1.67e-04	0.0
64	69	1.61e-03	-7.35e-04	-0.03	3.35e-05	7.39e-05	0.0
64	71	1.97e-03	-9.00e-04	-0.03	4.13e-05	9.01e-05	0.0
64	73	1.68e-03	-7.68e-04	-0.03	3.50e-05	7.72e-05	0.0
64	74	1.61e-03	-7.35e-04	-0.03	3.35e-05	7.39e-05	0.0
65	2	2.50e-03	-1.64e-03	-0.04	8.56e-05	1.07e-04	0.0
65	10	0.02	-1.55e-03	-0.04	1.40e-04	1.80e-04	0.0
65	26	5.54e-03	-0.03	-0.05	3.33e-04	1.78e-04	0.0
65	42	7.64e-03	-1.15e-03	-0.03	8.73e-05	1.11e-04	0.0
65	58	3.15e-03	-0.01	-0.04	1.62e-04	1.08e-04	0.0
65	69	1.49e-03	-1.02e-03	-0.03	5.30e-05	6.36e-05	0.0
65	71	1.86e-03	-1.23e-03	-0.03	6.42e-05	7.95e-05	0.0
65	73	1.57e-03	-1.06e-03	-0.03	5.53e-05	6.68e-05	0.0
65	74	1.49e-03	-1.02e-03	-0.03	5.30e-05	6.36e-05	0.0
66	2	1.68e-03	-6.67e-04	-0.03	3.41e-05	7.01e-05	0.0
66	5	0.02	0.01	-0.03	0.0	1.07e-04	0.0
66	14	0.01	-0.01	-0.03	7.76e-05	1.14e-04	0.0
66	26	4.82e-03	-0.03	-0.03	1.49e-04	7.40e-05	0.0
66	37	6.74e-03	4.26e-03	-0.03	1.28e-05	6.76e-05	0.0
66	46	6.62e-03	-5.15e-03	-0.03	4.34e-05	7.05e-05	0.0
66	58	2.55e-03	-0.01	-0.03	7.05e-05	5.40e-05	0.0
66	69	9.81e-04	-4.13e-04	-0.02	2.11e-05	4.06e-05	0.0
66	71	1.25e-03	-5.00e-04	-0.03	2.55e-05	5.21e-05	0.0

66	73	1.04e-03	-4.30e-04	-0.02	2.20e-05	4.29e-05	0.0
66	74	9.81e-04	-4.13e-04	-0.02	2.11e-05	4.06e-05	0.0
67	2	1.68e-03	6.67e-04	-0.03	-3.41e-05	7.01e-05	0.0
67	5	0.01	0.01	-0.03	-7.76e-05	1.14e-04	0.0
67	14	0.02	-0.01	-0.03	0.0	1.07e-04	0.0
67	21	4.82e-03	0.03	-0.03	-1.49e-04	7.40e-05	0.0
67	37	6.62e-03	5.15e-03	-0.03	-4.34e-05	7.05e-05	0.0
67	46	6.74e-03	-4.26e-03	-0.03	-1.28e-05	6.76e-05	0.0
67	53	2.55e-03	0.01	-0.03	-7.06e-05	5.39e-05	0.0
67	69	9.80e-04	4.13e-04	-0.02	-2.10e-05	4.06e-05	0.0
67	71	1.25e-03	5.00e-04	-0.03	-2.55e-05	5.21e-05	0.0
67	73	1.03e-03	4.30e-04	-0.02	-2.19e-05	4.29e-05	0.0
67	74	9.80e-04	4.13e-04	-0.02	-2.10e-05	4.06e-05	0.0
68	2	2.50e-03	1.64e-03	-0.04	-8.56e-05	1.07e-04	0.0
68	17	0.02	1.55e-03	-0.04	-1.40e-04	1.80e-04	0.0
68	21	5.54e-03	0.03	-0.05	-3.33e-04	1.78e-04	0.0
68	49	7.63e-03	1.15e-03	-0.03	-8.73e-05	1.11e-04	0.0
68	53	3.15e-03	0.01	-0.04	-1.62e-04	1.08e-04	0.0
68	69	1.49e-03	1.02e-03	-0.03	-5.30e-05	6.36e-05	0.0
68	71	1.86e-03	1.23e-03	-0.03	-6.42e-05	7.95e-05	0.0
68	73	1.57e-03	1.06e-03	-0.03	-5.52e-05	6.68e-05	0.0
68	74	1.49e-03	1.02e-03	-0.03	-5.30e-05	6.36e-05	0.0
69	2	2.64e-03	1.20e-03	-0.04	-5.53e-05	1.20e-04	0.0
69	17	0.02	1.54e-03	-0.04	-1.55e-04	1.69e-04	0.0
69	21	5.10e-03	0.03	-0.07	-4.61e-04	3.12e-04	0.0
69	49	7.39e-03	9.65e-04	-0.03	-8.14e-05	1.12e-04	0.0
69	53	3.04e-03	0.01	-0.04	-1.99e-04	1.67e-04	0.0
69	69	1.61e-03	7.35e-04	-0.03	-3.35e-05	7.40e-05	0.0
69	71	1.98e-03	9.00e-04	-0.03	-4.13e-05	9.01e-05	0.0
69	73	1.68e-03	7.68e-04	-0.03	-3.51e-05	7.72e-05	0.0
69	74	1.61e-03	7.35e-04	-0.03	-3.35e-05	7.40e-05	0.0
70	2	1.44e-03	4.89e-04	-0.03	-2.28e-05	5.93e-05	0.0
70	14	0.01	-0.01	-8.83e-03	8.22e-05	4.57e-06	0.0
70	21	3.73e-03	0.03	-0.05	-2.45e-04	2.20e-04	0.0
70	27	-3.93e-03	0.03	-0.05	-2.45e-04	2.07e-04	0.0
70	46	6.26e-03	-4.08e-03	-0.02	2.52e-05	2.47e-05	0.0
70	53	2.06e-03	0.01	-0.03	-1.02e-04	1.08e-04	0.0
70	59	-1.06e-03	0.01	-0.03	-1.02e-04	1.02e-04	0.0
70	69	8.86e-04	2.57e-04	-0.02	-1.18e-05	3.68e-05	0.0
70	71	1.08e-03	3.60e-04	-0.02	-1.67e-05	4.44e-05	0.0
70	73	9.25e-04	2.78e-04	-0.02	-1.28e-05	3.83e-05	0.0
70	74	8.86e-04	2.57e-04	-0.02	-1.18e-05	3.68e-05	0.0
71	2	-1.03e-05	1.81e-04	-0.03	-9.17e-06	-1.29e-05	0.0
71	15	-0.01	9.24e-03	-0.02	-2.60e-05	6.32e-05	0.0
71	21	1.67e-03	0.02	-0.04	-1.28e-04	9.91e-05	0.0
71	47	-5.22e-03	3.66e-03	-0.02	-1.12e-05	2.07e-05	0.0
71	53	7.18e-04	8.60e-03	-0.03	-5.10e-05	3.37e-05	0.0
71	69	-1.62e-06	4.44e-05	-0.02	-2.25e-06	-7.35e-06	0.0
71	71	-7.10e-06	1.27e-04	-0.02	-6.41e-06	-9.60e-06	0.0
71	73	-2.72e-06	6.09e-05	-0.02	-3.08e-06	-7.80e-06	0.0
71	74	-1.62e-06	4.44e-05	-0.02	-2.25e-06	-7.35e-06	0.0
72	2	-1.38e-03	2.70e-04	-0.03	-1.43e-05	-8.11e-05	0.0
72	15	-0.01	7.99e-03	-0.02	-1.54e-05	1.28e-05	0.0
72	21	-9.74e-05	0.02	-0.03	-8.30e-05	-4.91e-06	0.0
72	47	-6.07e-03	3.19e-03	-0.02	-8.53e-06	-2.40e-05	0.0
72	53	-4.76e-04	7.57e-03	-0.03	-3.50e-05	-3.21e-05	0.0
72	69	-8.30e-04	8.15e-05	-0.02	-4.55e-06	-4.88e-05	0.0
72	71	-1.03e-03	1.91e-04	-0.02	-1.02e-05	-6.06e-05	0.0
72	73	-8.70e-04	1.03e-04	-0.02	-5.67e-06	-5.12e-05	0.0
72	74	-8.30e-04	8.15e-05	-0.02	-4.55e-06	-4.88e-05	0.0
73	2	-2.38e-03	7.33e-04	-0.04	-3.81e-05	-1.32e-04	0.0
73	15	-0.01	7.42e-03	-0.02	-1.81e-05	-4.71e-05	0.0
73	21	-1.14e-03	0.02	-0.04	-9.19e-05	-7.49e-05	0.0
73	47	-6.90e-03	3.13e-03	-0.03	-1.79e-05	-6.64e-05	0.0
73	53	-1.25e-03	7.18e-03	-0.03	-4.70e-05	-7.79e-05	0.0
73	69	-1.44e-03	3.52e-04	-0.03	-1.84e-05	-7.96e-05	0.0
73	71	-1.78e-03	5.35e-04	-0.03	-2.78e-05	-9.85e-05	0.0
73	73	-1.51e-03	3.88e-04	-0.03	-2.03e-05	-8.33e-05	0.0
73	74	-1.44e-03	3.52e-04	-0.03	-1.84e-05	-7.96e-05	0.0
74	2	-2.44e-03	1.55e-03	-0.05	-7.86e-05	-1.34e-04	0.0
74	15	-0.02	7.52e-03	-0.03	-5.51e-05	-9.34e-05	0.0
74	21	-1.05e-03	0.02	-0.05	-1.39e-04	-8.88e-05	0.0
74	47	-7.25e-03	3.47e-03	-0.03	-4.72e-05	-8.59e-05	0.0
74	53	-1.23e-03	7.34e-03	-0.04	-8.03e-05	-8.39e-05	0.0
74	69	-1.47e-03	8.44e-04	-0.04	-4.27e-05	-8.09e-05	0.0
74	71	-1.82e-03	1.15e-03	-0.04	-5.81e-05	-1.00e-04	0.0

74	73	-1.54e-03	9.05e-04	-0.04	-4.58e-05	-8.47e-05	0.0
74	74	-1.47e-03	8.44e-04	-0.04	-4.27e-05	-8.09e-05	0.0
75	2	1.81e-03	1.51e-03	-0.06	-8.00e-05	8.85e-05	0.0
75	14	0.01	-2.17e-03	-0.03	-1.22e-06	5.80e-05	0.0
75	21	2.54e-03	0.02	-0.04	-1.36e-04	6.59e-05	0.0
75	27	-5.21e-03	0.01	-0.05	-1.43e-04	6.02e-05	0.0
75	46	6.69e-03	-3.12e-04	-0.03	-2.69e-05	5.46e-05	0.0
75	53	1.71e-03	6.45e-03	-0.04	-7.93e-05	5.75e-05	0.0
75	59	-1.44e-03	6.13e-03	-0.04	-8.22e-05	5.52e-05	0.0
75	69	1.07e-03	8.23e-04	-0.04	-4.36e-05	5.21e-05	0.0
75	71	1.35e-03	1.12e-03	-0.04	-5.92e-05	6.60e-05	0.0
75	73	1.12e-03	8.82e-04	-0.04	-4.67e-05	5.49e-05	0.0
75	74	1.07e-03	8.23e-04	-0.04	-4.36e-05	5.21e-05	0.0
76	2	1.85e-03	9.42e-04	-0.05	-4.91e-05	9.09e-05	0.0
76	14	0.01	-4.41e-03	-0.02	1.24e-05	2.11e-05	0.0
76	27	-4.81e-03	0.01	-0.04	-9.60e-05	6.81e-05	0.0
76	46	6.40e-03	-1.44e-03	-0.03	-1.01e-05	4.02e-05	0.0
76	59	-1.27e-03	5.48e-03	-0.04	-5.25e-05	5.93e-05	0.0
76	69	1.08e-03	4.75e-04	-0.03	-2.49e-05	5.33e-05	0.0
76	71	1.38e-03	6.91e-04	-0.04	-3.60e-05	6.77e-05	0.0
76	73	1.14e-03	5.18e-04	-0.03	-2.71e-05	5.62e-05	0.0
76	74	1.08e-03	4.75e-04	-0.03	-2.49e-05	5.33e-05	0.0
77	2	8.14e-04	5.68e-04	-0.04	-2.98e-05	3.86e-05	0.0
77	14	0.01	-4.07e-03	-0.03	9.52e-06	-3.10e-05	0.0
77	27	-5.30e-03	0.01	-0.04	-7.21e-05	2.55e-05	0.0
77	46	5.56e-03	-1.44e-03	-0.03	-4.44e-06	0.0	0.0
77	59	-1.84e-03	4.87e-03	-0.03	-3.62e-05	2.36e-05	0.0
77	69	4.61e-04	2.53e-04	-0.03	-1.35e-05	2.18e-05	0.0
77	71	6.04e-04	4.13e-04	-0.03	-2.17e-05	2.87e-05	0.0
77	73	4.90e-04	2.85e-04	-0.03	-1.51e-05	2.32e-05	0.0
77	74	4.61e-04	2.53e-04	-0.03	-1.35e-05	2.18e-05	0.0
78	2	-5.41e-04	5.57e-04	-0.04	-2.92e-05	-2.95e-05	0.0
78	15	-0.01	3.11e-03	-0.03	-2.59e-05	2.62e-05	0.0
78	21	7.00e-04	0.01	-0.04	-8.36e-05	-7.29e-05	0.0
78	33	2.49e-03	9.82e-03	-0.04	-8.29e-05	-8.60e-05	0.0
78	47	-5.48e-03	1.35e-03	-0.03	-1.80e-05	0.0	0.0
78	53	1.23e-04	4.71e-03	-0.03	-4.06e-05	-4.04e-05	0.0
78	65	8.12e-04	3.96e-03	-0.03	-4.03e-05	-4.55e-05	0.0
78	69	-3.56e-04	2.52e-04	-0.03	-1.33e-05	-1.93e-05	0.0
78	71	-4.08e-04	4.05e-04	-0.03	-2.12e-05	-2.23e-05	0.0
78	73	-3.66e-04	2.83e-04	-0.03	-1.49e-05	-1.99e-05	0.0
78	74	-3.56e-04	2.52e-04	-0.03	-1.33e-05	-1.93e-05	0.0
79	2	-1.64e-03	9.15e-04	-0.05	-4.75e-05	-8.53e-05	0.0
79	15	-0.01	3.60e-03	-0.03	-3.63e-05	-4.05e-05	0.0
79	21	9.01e-05	0.01	-0.05	-1.31e-04	-1.17e-04	0.0
79	33	1.96e-03	0.01	-0.05	-1.34e-04	-1.25e-04	0.0
79	47	-6.41e-03	1.68e-03	-0.03	-2.89e-05	-4.75e-05	0.0
79	53	-5.16e-04	5.01e-03	-0.04	-6.60e-05	-7.80e-05	0.0
79	65	2.03e-04	4.53e-03	-0.04	-6.71e-05	-8.09e-05	0.0
79	69	-1.02e-03	4.77e-04	-0.03	-2.48e-05	-5.29e-05	0.0
79	71	-1.23e-03	6.73e-04	-0.04	-3.49e-05	-6.39e-05	0.0
79	73	-1.06e-03	5.16e-04	-0.03	-2.68e-05	-5.51e-05	0.0
79	74	-1.02e-03	4.77e-04	-0.03	-2.48e-05	-5.29e-05	0.0
80	2	-1.83e-03	1.55e-03	-0.06	-7.94e-05	-9.34e-05	0.0
80	15	-0.02	4.89e-03	-0.04	-7.90e-05	-8.68e-05	0.0
80	27	-7.44e-03	0.01	-0.05	-2.00e-04	-1.19e-04	0.0
80	33	2.30e-03	0.01	-0.06	-2.10e-04	-1.11e-04	0.0
80	47	-6.81e-03	2.43e-03	-0.04	-5.78e-05	-6.91e-05	0.0
80	59	-3.65e-03	5.77e-03	-0.04	-1.05e-04	-8.11e-05	0.0
80	65	2.74e-04	5.47e-03	-0.05	-1.09e-04	-7.79e-05	0.0
80	69	-1.13e-03	8.75e-04	-0.04	-4.48e-05	-5.74e-05	0.0
80	71	-1.37e-03	1.15e-03	-0.04	-5.89e-05	-6.99e-05	0.0
80	73	-1.17e-03	9.30e-04	-0.04	-4.76e-05	-5.99e-05	0.0
80	74	-1.13e-03	8.75e-04	-0.04	-4.48e-05	-5.74e-05	0.0
81	2	1.97e-03	1.53e-03	-0.05	-7.79e-05	1.03e-04	0.0
81	17	0.02	4.90e-03	-0.04	-7.60e-05	9.05e-05	0.0
81	27	-2.14e-03	0.01	-0.06	-2.07e-04	1.20e-04	0.0
81	33	7.57e-03	0.01	-0.05	-1.96e-04	1.26e-04	0.0
81	49	6.88e-03	2.43e-03	-0.04	-5.60e-05	7.41e-05	0.0
81	59	-1.54e-04	5.41e-03	-0.05	-1.07e-04	8.52e-05	0.0
81	65	3.76e-03	5.76e-03	-0.04	-1.03e-04	8.76e-05	0.0
81	69	1.22e-03	8.60e-04	-0.04	-4.38e-05	6.34e-05	0.0
81	71	1.48e-03	1.13e-03	-0.04	-5.78e-05	7.70e-05	0.0
81	73	1.27e-03	9.14e-04	-0.04	-4.66e-05	6.62e-05	0.0
81	74	1.22e-03	8.60e-04	-0.04	-4.38e-05	6.34e-05	0.0
82	2	1.75e-03	8.37e-04	-0.05	-4.34e-05	9.28e-05	0.0

82	17	0.01	3.51e-03	-0.03	-3.22e-05	4.36e-05	0.0
82	27	-1.82e-03	0.01	-0.05	-1.28e-04	1.32e-04	0.0
82	31	5.25e-05	0.01	-0.05	-1.25e-04	1.24e-04	0.0
82	49	6.47e-03	1.61e-03	-0.03	-2.57e-05	5.16e-05	0.0
82	59	-1.07e-04	4.43e-03	-0.04	-6.34e-05	8.65e-05	0.0
82	63	6.14e-04	4.97e-03	-0.04	-6.23e-05	8.38e-05	0.0
82	69	1.09e-03	4.27e-04	-0.03	-2.22e-05	5.78e-05	0.0
82	71	1.31e-03	6.15e-04	-0.03	-3.19e-05	6.96e-05	0.0
82	73	1.13e-03	4.65e-04	-0.03	-2.42e-05	6.01e-05	0.0
82	74	1.09e-03	4.27e-04	-0.03	-2.22e-05	5.78e-05	0.0
83	2	5.90e-04	4.46e-04	-0.04	-2.36e-05	3.43e-05	0.0
83	17	0.01	3.00e-03	-0.03	-2.09e-05	-2.46e-05	0.0
83	27	-2.40e-03	9.63e-03	-0.04	-7.53e-05	8.98e-05	0.0
83	31	-6.10e-04	0.01	-0.04	-7.61e-05	7.69e-05	0.0
83	49	5.51e-03	1.26e-03	-0.03	-1.39e-05	3.03e-06	0.0
83	59	-7.59e-04	3.84e-03	-0.03	-3.52e-05	4.89e-05	0.0
83	63	-6.71e-05	4.65e-03	-0.03	-3.55e-05	4.39e-05	0.0
83	69	3.90e-04	1.81e-04	-0.03	-9.77e-06	2.24e-05	0.0
83	71	4.46e-04	3.22e-04	-0.03	-1.70e-05	2.59e-05	0.0
83	73	4.01e-04	2.09e-04	-0.03	-1.12e-05	2.31e-05	0.0
83	74	3.90e-04	1.81e-04	-0.03	-9.77e-06	2.24e-05	0.0
84	2	-8.32e-04	4.42e-04	-0.04	-2.34e-05	-3.72e-05	0.0
84	20	-0.01	-4.22e-03	-0.02	1.24e-05	3.38e-05	0.0
84	33	5.31e-03	0.01	-0.04	-6.40e-05	-2.60e-05	0.0
84	52	-5.56e-03	-1.55e-03	-0.03	0.0	1.44e-06	0.0
84	65	1.84e-03	4.81e-03	-0.03	-3.05e-05	-2.32e-05	0.0
84	69	-4.72e-04	1.72e-04	-0.03	-9.35e-06	-2.09e-05	0.0
84	71	-6.18e-04	3.17e-04	-0.03	-1.68e-05	-2.76e-05	0.0
84	73	-5.01e-04	2.01e-04	-0.03	-1.08e-05	-2.22e-05	0.0
84	74	-4.72e-04	1.72e-04	-0.03	-9.35e-06	-2.09e-05	0.0
85	2	-1.95e-03	8.21e-04	-0.05	-4.28e-05	-9.35e-05	0.0
85	20	-0.01	-4.60e-03	-0.02	1.57e-05	-1.98e-05	0.0
85	33	4.75e-03	0.01	-0.04	-8.87e-05	-7.27e-05	0.0
85	52	-6.45e-03	-1.56e-03	-0.03	-6.37e-06	-4.08e-05	0.0
85	65	1.21e-03	5.46e-03	-0.04	-4.73e-05	-6.21e-05	0.0
85	69	-1.15e-03	3.98e-04	-0.03	-2.09e-05	-5.51e-05	0.0
85	71	-1.45e-03	6.00e-04	-0.04	-3.13e-05	-6.97e-05	0.0
85	73	-1.21e-03	4.39e-04	-0.03	-2.30e-05	-5.80e-05	0.0
85	74	-1.15e-03	3.98e-04	-0.03	-2.09e-05	-5.51e-05	0.0
86	2	-1.99e-03	1.44e-03	-0.05	-7.57e-05	-9.53e-05	0.0
86	20	-0.01	-4.84e-03	-0.03	2.06e-06	-5.82e-05	0.0
86	31	-2.64e-03	0.02	-0.04	-1.31e-04	-7.29e-05	0.0
86	33	5.09e-03	0.02	-0.05	-1.39e-04	-6.91e-05	0.0
86	52	-6.79e-03	-1.43e-03	-0.03	-2.39e-05	-5.73e-05	0.0
86	63	-1.82e-03	6.49e-03	-0.04	-7.56e-05	-6.29e-05	0.0
86	65	1.33e-03	6.47e-03	-0.04	-7.88e-05	-6.13e-05	0.0
86	69	-1.18e-03	7.75e-04	-0.04	-4.08e-05	-5.65e-05	0.0
86	71	-1.48e-03	1.06e-03	-0.04	-5.59e-05	-7.11e-05	0.0
86	73	-1.24e-03	8.32e-04	-0.04	-4.38e-05	-5.94e-05	0.0
86	74	-1.18e-03	7.75e-04	-0.04	-4.08e-05	-5.65e-05	0.0
87	2	3.09e-03	1.06e-03	-0.05	-5.59e-05	1.42e-04	0.0
87	14	0.02	-0.01	-0.02	6.01e-05	1.45e-04	0.0
87	21	4.01e-03	0.03	-0.12	-5.52e-04	3.33e-04	0.0
87	46	8.53e-03	-4.98e-03	-0.03	1.36e-06	1.11e-04	0.0
87	53	2.78e-03	0.01	-0.07	-2.35e-04	1.83e-04	0.0
87	69	1.86e-03	6.41e-04	-0.03	-3.39e-05	8.64e-05	0.0
87	71	2.31e-03	7.92e-04	-0.04	-4.18e-05	1.06e-04	0.0
87	73	1.95e-03	6.71e-04	-0.03	-3.55e-05	9.03e-05	0.0
87	74	1.86e-03	6.41e-04	-0.03	-3.39e-05	8.64e-05	0.0
88	2	2.75e-03	1.05e-03	-0.04	-4.47e-05	1.23e-04	0.0
88	17	0.02	1.47e-03	-0.04	-1.40e-04	1.82e-04	0.0
88	21	6.16e-03	0.03	-0.09	-4.27e-04	3.80e-04	0.0
88	49	7.55e-03	8.76e-04	-0.03	-7.11e-05	1.18e-04	0.0
88	53	3.51e-03	0.01	-0.05	-1.82e-04	1.94e-04	0.0
88	69	1.69e-03	6.25e-04	-0.03	-2.62e-05	7.60e-05	0.0
88	71	2.06e-03	7.86e-04	-0.03	-3.33e-05	9.20e-05	0.0
88	73	1.76e-03	6.58e-04	-0.03	-2.76e-05	7.92e-05	0.0
88	74	1.69e-03	6.25e-04	-0.03	-2.62e-05	7.60e-05	0.0
89	2	1.35e-03	2.52e-04	-0.03	-1.14e-05	5.60e-05	0.0
89	14	0.01	-0.01	-5.17e-03	8.65e-05	-5.99e-05	0.0
89	21	3.31e-03	0.03	-0.06	-2.11e-04	2.65e-04	0.0
89	27	-4.23e-03	0.03	-0.06	-2.27e-04	2.66e-04	0.0
89	46	6.18e-03	-4.17e-03	-0.01	3.13e-05	-2.18e-06	0.0
89	53	1.87e-03	0.01	-0.04	-8.43e-05	1.24e-04	0.0
89	59	-1.20e-03	0.01	-0.04	-9.06e-05	1.25e-04	0.0
89	69	8.39e-04	1.06e-04	-0.02	-4.44e-06	3.52e-05	0.0

89	71	1.01e-03	1.82e-04	-0.02	-8.17e-06	4.20e-05	0.0
89	73	8.74e-04	1.21e-04	-0.02	-5.19e-06	3.66e-05	0.0
89	74	8.39e-04	1.06e-04	-0.02	-4.44e-06	3.52e-05	0.0
90	1	-5.08e-05	-8.43e-05	-0.03	4.14e-06	-1.15e-05	0.0
90	2	-8.20e-05	8.25e-06	-0.03	0.0	-1.60e-05	0.0
90	15	-0.01	9.07e-03	-0.02	-1.98e-05	7.31e-05	0.0
90	21	9.58e-04	0.02	-0.04	-1.19e-04	1.18e-04	0.0
90	24	-1.04e-03	-0.02	4.02e-03	1.25e-04	-1.35e-04	0.0
90	47	-5.31e-03	3.53e-03	-0.02	-5.45e-06	2.37e-05	0.0
90	53	4.18e-04	8.43e-03	-0.03	-4.40e-05	3.99e-05	0.0
90	56	-4.96e-04	-8.56e-03	-0.01	5.04e-05	-5.77e-05	0.0
90	69	-3.91e-05	-6.49e-05	-0.02	3.18e-06	-8.87e-06	0.0
90	70	-3.91e-05	-6.49e-05	-0.02	3.18e-06	-8.87e-06	0.0
90	71	-5.99e-05	-3.15e-06	-0.02	0.0	-1.18e-05	0.0
90	72	-3.91e-05	-6.49e-05	-0.02	3.18e-06	-8.87e-06	0.0
90	73	-4.32e-05	-5.25e-05	-0.02	2.55e-06	-9.46e-06	0.0
90	74	-3.91e-05	-6.49e-05	-0.02	3.18e-06	-8.87e-06	0.0
91	2	-1.44e-03	1.05e-04	-0.03	-6.03e-06	-8.39e-05	0.0
91	4	-1.18e-03	1.11e-04	-0.03	-6.21e-06	-6.88e-05	0.0
91	15	-0.01	7.93e-03	-0.02	-1.06e-05	1.81e-05	0.0
91	21	-8.74e-04	0.02	-0.04	-7.76e-05	5.26e-06	0.0
91	24	-8.52e-04	-0.02	-6.27e-03	7.88e-05	-1.06e-04	0.0
91	47	-6.17e-03	3.11e-03	-0.02	-3.50e-06	-2.28e-05	0.0
91	53	-7.98e-04	7.50e-03	-0.03	-2.97e-05	-2.90e-05	0.0
91	56	-9.29e-04	-7.54e-03	-0.02	3.10e-05	-7.16e-05	0.0
91	69	-8.63e-04	-2.11e-05	-0.02	0.0	-5.03e-05	0.0
91	71	-1.07e-03	6.70e-05	-0.02	-3.94e-06	-6.27e-05	0.0
91	72	-8.63e-04	-2.11e-05	-0.02	0.0	-5.03e-05	0.0
91	73	-9.05e-04	-3.44e-06	-0.02	0.0	-5.28e-05	0.0
91	74	-8.63e-04	-2.11e-05	-0.02	0.0	-5.03e-05	0.0
92	2	-2.51e-03	5.19e-04	-0.04	-2.74e-05	-1.38e-04	0.0
92	15	-0.01	3.36e-03	-0.02	-1.05e-05	-3.93e-05	0.0
92	21	-2.15e-03	0.02	-0.04	-8.56e-05	-7.97e-05	0.0
92	47	-6.97e-03	1.39e-03	-0.03	-1.09e-05	-6.53e-05	0.0
92	53	-1.69e-03	7.14e-03	-0.03	-4.05e-05	-8.19e-05	0.0
92	69	-1.51e-03	2.20e-04	-0.03	-1.18e-05	-8.30e-05	0.0
92	71	-1.87e-03	3.75e-04	-0.03	-1.98e-05	-1.03e-04	0.0
92	73	-1.59e-03	2.51e-04	-0.03	-1.34e-05	-8.70e-05	0.0
92	74	-1.51e-03	2.20e-04	-0.03	-1.18e-05	-8.30e-05	0.0
93	2	-2.71e-03	9.75e-04	-0.05	-5.45e-05	-1.50e-04	0.0
93	15	-0.02	7.44e-03	-0.03	-4.45e-05	-1.18e-04	0.0
93	21	-2.34e-03	0.02	-0.05	-1.23e-04	-1.06e-04	0.0
93	27	-0.01	0.02	-0.05	-1.16e-04	-1.19e-04	0.0
93	47	-7.70e-03	3.22e-03	-0.03	-3.42e-05	-1.02e-04	0.0
93	53	-1.83e-03	7.10e-03	-0.04	-6.50e-05	-9.65e-05	0.0
93	59	-5.07e-03	7.12e-03	-0.04	-6.19e-05	-1.02e-04	0.0
93	69	-1.64e-03	4.93e-04	-0.04	-2.80e-05	-9.06e-05	0.0
93	71	-2.03e-03	7.16e-04	-0.04	-4.01e-05	-1.12e-04	0.0
93	73	-1.72e-03	5.38e-04	-0.04	-3.05e-05	-9.49e-05	0.0
93	74	-1.64e-03	4.93e-04	-0.04	-2.80e-05	-9.06e-05	0.0
94	2	1.25e-03	8.00e-04	-0.06	-5.69e-05	6.92e-05	0.0
94	14	0.02	-2.67e-03	-0.03	-2.08e-06	1.27e-04	0.0
94	21	2.19e-03	0.02	-0.05	-1.47e-04	8.16e-05	0.0
94	27	-6.63e-03	0.01	-0.06	-1.42e-04	2.80e-05	0.0
94	46	7.19e-03	-7.65e-04	-0.04	-1.91e-05	7.59e-05	0.0
94	53	1.39e-03	6.20e-03	-0.05	-7.50e-05	5.71e-05	0.0
94	59	-2.21e-03	5.83e-03	-0.05	-7.30e-05	3.52e-05	0.0
94	69	7.40e-04	3.95e-04	-0.04	-2.97e-05	4.07e-05	0.0
94	71	9.35e-04	5.86e-04	-0.05	-4.19e-05	5.15e-05	0.0
94	73	7.79e-04	4.33e-04	-0.04	-3.21e-05	4.29e-05	0.0
94	74	7.40e-04	3.95e-04	-0.04	-2.97e-05	4.07e-05	0.0
95	2	2.12e-03	9.05e-04	-0.05	-4.78e-05	1.05e-04	0.0
95	14	0.01	-4.69e-03	-0.02	2.34e-05	1.85e-05	0.0
95	27	-4.80e-03	0.01	-0.05	-1.06e-04	9.42e-05	0.0
95	46	6.50e-03	-1.56e-03	-0.03	-5.11e-06	4.42e-05	0.0
95	59	-1.17e-03	5.64e-03	-0.04	-5.57e-05	7.45e-05	0.0
95	69	1.25e-03	4.51e-04	-0.04	-2.40e-05	6.17e-05	0.0
95	71	1.58e-03	6.64e-04	-0.04	-3.51e-05	7.81e-05	0.0
95	73	1.32e-03	4.93e-04	-0.04	-2.62e-05	6.49e-05	0.0
95	74	1.25e-03	4.51e-04	-0.04	-2.40e-05	6.17e-05	0.0
96	2	1.12e-03	4.39e-04	-0.05	-2.33e-05	5.39e-05	0.0
96	14	0.01	-4.26e-03	-0.02	1.68e-05	-2.49e-05	0.0
96	27	-5.52e-03	0.01	-0.04	-6.88e-05	3.91e-05	0.0
96	46	5.77e-03	-1.56e-03	-0.03	0.0	8.12e-06	0.0
96	59	-1.81e-03	4.85e-03	-0.04	-3.24e-05	3.44e-05	0.0
96	69	6.44e-04	1.72e-04	-0.03	-9.34e-06	3.09e-05	0.0

96	71	8.34e-04	3.16e-04	-0.03	-1.68e-05	4.01e-05	0.0
96	73	6.82e-04	2.01e-04	-0.03	-1.08e-05	3.27e-05	0.0
96	74	6.44e-04	1.72e-04	-0.03	-9.34e-06	3.09e-05	0.0
97	2	-4.19e-04	3.57e-04	-0.04	-1.91e-05	-2.33e-05	0.0
97	15	-0.01	2.97e-03	-0.03	-2.00e-05	3.44e-05	0.0
97	21	2.62e-04	0.01	-0.04	-7.39e-05	-7.45e-05	0.0
97	47	-5.41e-03	1.22e-03	-0.03	-1.19e-05	4.96e-06	0.0
97	53	-4.38e-06	4.60e-03	-0.04	-3.30e-05	-3.89e-05	0.0
97	69	-2.85e-04	1.28e-04	-0.03	-7.05e-06	-1.57e-05	0.0
97	71	-3.17e-04	2.55e-04	-0.03	-1.36e-05	-1.77e-05	0.0
97	73	-2.91e-04	1.53e-04	-0.03	-8.37e-06	-1.61e-05	0.0
97	74	-2.85e-04	1.28e-04	-0.03	-7.05e-06	-1.57e-05	0.0
98	2	-1.75e-03	7.00e-04	-0.05	-3.68e-05	-9.02e-05	0.0
98	15	-0.01	3.44e-03	-0.03	-2.56e-05	-3.40e-05	0.0
98	21	-7.67e-04	0.01	-0.05	-1.25e-04	-1.44e-04	0.0
98	33	1.46e-03	0.01	-0.06	-1.29e-04	-1.55e-04	0.0
98	47	-6.39e-03	1.54e-03	-0.03	-2.06e-05	-4.66e-05	0.0
98	53	-8.91e-04	4.93e-03	-0.04	-5.97e-05	-9.03e-05	0.0
98	65	-3.05e-05	4.42e-03	-0.04	-6.10e-05	-9.44e-05	0.0
98	69	-1.09e-03	3.43e-04	-0.03	-1.81e-05	-5.61e-05	0.0
98	71	-1.31e-03	5.12e-04	-0.04	-2.69e-05	-6.76e-05	0.0
98	73	-1.13e-03	3.77e-04	-0.03	-1.99e-05	-5.84e-05	0.0
98	74	-1.09e-03	3.43e-04	-0.03	-1.81e-05	-5.61e-05	0.0
99	2	-1.90e-03	9.45e-04	-0.06	-5.70e-05	-1.01e-04	0.0
99	15	-0.02	4.89e-03	-0.04	-7.62e-05	-1.33e-04	0.0
99	27	-8.66e-03	0.01	-0.06	-1.94e-04	-1.58e-04	0.0
99	33	2.15e-03	0.01	-0.07	-1.97e-04	-1.23e-04	0.0
99	47	-7.30e-03	2.21e-03	-0.04	-4.83e-05	-9.07e-05	0.0
99	59	-4.16e-03	5.43e-03	-0.05	-9.41e-05	-9.95e-05	0.0
99	65	1.95e-04	5.00e-03	-0.05	-9.54e-05	-8.56e-05	0.0
99	69	-1.17e-03	5.01e-04	-0.04	-3.08e-05	-6.21e-05	0.0
99	71	-1.42e-03	6.97e-04	-0.04	-4.21e-05	-7.55e-05	0.0
99	73	-1.22e-03	5.40e-04	-0.04	-3.31e-05	-6.48e-05	0.0
99	74	-1.17e-03	5.01e-04	-0.04	-3.08e-05	-6.21e-05	0.0
100	2	2.07e-03	9.33e-04	-0.06	-5.57e-05	1.12e-04	0.0
100	17	0.02	4.88e-03	-0.04	-7.32e-05	1.37e-04	0.0
100	27	-1.94e-03	0.01	-0.07	-1.95e-04	1.35e-04	0.0
100	33	8.82e-03	0.01	-0.06	-1.91e-04	1.67e-04	0.0
100	49	7.38e-03	2.20e-03	-0.04	-4.66e-05	9.61e-05	0.0
100	59	-4.18e-05	4.95e-03	-0.05	-9.38e-05	9.41e-05	0.0
100	65	4.29e-03	5.43e-03	-0.05	-9.23e-05	1.07e-04	0.0
100	69	1.28e-03	4.92e-04	-0.04	-3.00e-05	6.89e-05	0.0
100	71	1.55e-03	6.88e-04	-0.04	-4.11e-05	8.36e-05	0.0
100	73	1.33e-03	5.31e-04	-0.04	-3.22e-05	7.19e-05	0.0
100	74	1.28e-03	4.92e-04	-0.04	-3.00e-05	6.89e-05	0.0
101	2	1.85e-03	6.14e-04	-0.05	-3.23e-05	9.77e-05	0.0
101	17	0.01	3.35e-03	-0.03	-2.11e-05	3.66e-05	0.0
101	27	-1.33e-03	0.01	-0.05	-1.22e-04	1.61e-04	0.0
101	31	9.11e-04	0.01	-0.05	-1.18e-04	1.51e-04	0.0
101	49	6.45e-03	1.47e-03	-0.03	-1.70e-05	5.06e-05	0.0
101	59	1.27e-04	4.32e-03	-0.04	-5.67e-05	1.00e-04	0.0
101	63	9.90e-04	4.88e-03	-0.04	-5.54e-05	9.60e-05	0.0
101	69	1.16e-03	2.88e-04	-0.03	-1.53e-05	6.09e-05	0.0
101	71	1.39e-03	4.47e-04	-0.04	-2.36e-05	7.33e-05	0.0
101	73	1.20e-03	3.20e-04	-0.03	-1.69e-05	6.34e-05	0.0
101	74	1.16e-03	2.88e-04	-0.03	-1.53e-05	6.09e-05	0.0
102	2	4.59e-04	2.38e-04	-0.04	-1.30e-05	2.77e-05	0.0
102	17	0.01	2.85e-03	-0.03	-1.48e-05	-3.32e-05	0.0
102	31	-1.73e-04	0.01	-0.04	-6.57e-05	7.77e-05	0.0
102	49	5.44e-03	1.12e-03	-0.03	-7.55e-06	-2.79e-06	0.0
102	63	5.61e-05	4.53e-03	-0.03	-2.74e-05	4.18e-05	0.0
102	69	3.13e-04	5.14e-05	-0.03	-3.18e-06	1.85e-05	0.0
102	71	3.48e-04	1.66e-04	-0.03	-9.12e-06	2.09e-05	0.0
102	73	3.20e-04	7.43e-05	-0.03	-4.37e-06	1.90e-05	0.0
102	74	3.13e-04	5.14e-05	-0.03	-3.18e-06	1.85e-05	0.0
103	2	-1.16e-03	3.07e-04	-0.04	-1.65e-05	-5.33e-05	0.0
103	20	-0.01	-4.42e-03	-0.02	1.98e-05	2.71e-05	0.0
103	33	5.54e-03	0.01	-0.04	-6.03e-05	-4.04e-05	0.0
103	52	-5.79e-03	-1.68e-03	-0.03	4.78e-06	-7.04e-06	0.0
103	65	1.81e-03	4.80e-03	-0.03	-2.64e-05	-3.47e-05	0.0
103	69	-6.65e-04	8.68e-05	-0.03	-5.00e-06	-3.06e-05	0.0
103	71	-8.59e-04	2.16e-04	-0.03	-1.17e-05	-3.96e-05	0.0
103	73	-7.04e-04	1.13e-04	-0.03	-6.34e-06	-3.24e-05	0.0
103	74	-6.65e-04	8.68e-05	-0.03	-5.00e-06	-3.06e-05	0.0
104	2	-2.25e-03	7.85e-04	-0.05	-4.15e-05	-1.09e-04	0.0
104	20	-0.01	-4.88e-03	-0.02	2.70e-05	-1.71e-05	0.0

104	33	4.74e-03	0.01	-0.05	-9.84e-05	-1.01e-04	0.0
104	52	-6.56e-03	-1.69e-03	-0.03	-1.22e-06	-4.52e-05	0.0
104	65	1.09e-03	5.62e-03	-0.04	-5.04e-05	-7.87e-05	0.0
104	69	-1.33e-03	3.74e-04	-0.03	-1.99e-05	-6.43e-05	0.0
104	71	-1.68e-03	5.73e-04	-0.04	-3.03e-05	-8.11e-05	0.0
104	73	-1.40e-03	4.14e-04	-0.03	-2.20e-05	-6.77e-05	0.0
104	74	-1.33e-03	3.74e-04	-0.03	-1.99e-05	-6.43e-05	0.0
105	2	-1.49e-03	7.44e-04	-0.06	-5.36e-05	-7.79e-05	0.0
105	20	-0.02	-2.71e-03	-0.03	0.0	-1.29e-04	0.0
105	31	-2.31e-03	0.02	-0.05	-1.43e-04	-9.13e-05	0.0
105	33	6.49e-03	0.01	-0.06	-1.39e-04	-3.86e-05	0.0
105	52	-7.32e-03	-8.01e-04	-0.04	-1.71e-05	-8.03e-05	0.0
105	63	-1.52e-03	6.26e-03	-0.04	-7.24e-05	-6.43e-05	0.0
105	65	2.06e-03	5.88e-03	-0.05	-7.04e-05	-4.28e-05	0.0
105	69	-8.84e-04	3.58e-04	-0.04	-2.75e-05	-4.63e-05	0.0
105	71	-1.11e-03	5.44e-04	-0.05	-3.94e-05	-5.81e-05	0.0
105	73	-9.29e-04	3.95e-04	-0.04	-2.99e-05	-4.86e-05	0.0
105	74	-8.84e-04	3.58e-04	-0.04	-2.75e-05	-4.63e-05	0.0
106	2	2.58e-03	9.47e-04	-0.05	-5.23e-05	1.45e-04	0.0
106	17	0.02	7.66e-03	-0.03	-4.16e-05	1.01e-04	0.0
106	31	2.27e-03	0.02	-0.05	-1.22e-04	9.66e-05	0.0
106	33	0.01	0.02	-0.05	-1.13e-04	1.03e-04	0.0
106	49	7.52e-03	3.30e-03	-0.03	-3.22e-05	9.28e-05	0.0
106	63	1.75e-03	7.28e-03	-0.04	-6.36e-05	9.07e-05	0.0
106	65	4.94e-03	7.30e-03	-0.04	-6.02e-05	9.33e-05	0.0
106	69	1.55e-03	4.78e-04	-0.03	-2.68e-05	8.71e-05	0.0
106	71	1.93e-03	6.95e-04	-0.04	-3.85e-05	1.08e-04	0.0
106	73	1.63e-03	5.21e-04	-0.04	-2.91e-05	9.14e-05	0.0
106	74	1.55e-03	4.78e-04	-0.03	-2.68e-05	8.71e-05	0.0
107	2	2.14e-03	4.38e-04	-0.04	-2.32e-05	1.21e-04	0.0
107	17	0.01	7.78e-03	-0.02	-1.35e-05	2.01e-05	0.0
107	31	1.69e-03	0.02	-0.04	-8.98e-05	4.79e-05	0.0
107	49	6.72e-03	3.17e-03	-0.03	-1.07e-05	5.15e-05	0.0
107	63	1.37e-03	7.43e-03	-0.03	-4.07e-05	6.33e-05	0.0
107	69	1.29e-03	1.76e-04	-0.03	-9.51e-06	7.27e-05	0.0
107	71	1.60e-03	3.16e-04	-0.03	-1.67e-05	9.05e-05	0.0
107	73	1.35e-03	2.04e-04	-0.03	-1.09e-05	7.62e-05	0.0
107	74	1.29e-03	1.76e-04	-0.03	-9.51e-06	7.27e-05	0.0
108	2	8.42e-04	1.04e-04	-0.03	-5.72e-06	5.60e-05	0.0
108	4	6.92e-04	1.08e-04	-0.02	-5.83e-06	4.61e-05	0.0
108	17	0.01	8.65e-03	-0.03	-1.86e-05	-4.38e-05	0.0
108	30	9.91e-04	-0.02	-1.13e-03	1.02e-04	1.25e-04	0.0
108	31	6.88e-06	0.02	-0.04	-1.01e-04	-5.90e-05	0.0
108	49	5.80e-03	3.40e-03	-0.02	-6.75e-06	2.39e-06	0.0
108	62	7.60e-04	-8.11e-03	-0.01	3.98e-05	6.86e-05	0.0
108	63	2.38e-04	8.08e-03	-0.03	-3.91e-05	-2.31e-06	0.0
108	69	4.99e-04	-1.26e-05	-0.02	0.0	3.31e-05	0.0
108	71	6.28e-04	6.78e-05	-0.02	-3.76e-06	4.18e-05	0.0
108	72	4.99e-04	-1.26e-05	-0.02	0.0	3.31e-05	0.0
108	73	5.25e-04	3.49e-06	-0.02	0.0	3.49e-05	0.0
108	74	4.99e-04	-1.26e-05	-0.02	0.0	3.31e-05	0.0
109	2	-7.20e-04	1.76e-04	-0.03	-8.16e-06	-2.23e-05	0.0
109	20	-0.01	-0.01	-7.67e-03	7.39e-05	7.60e-05	0.0
109	31	-2.55e-03	0.02	-0.06	-1.91e-04	-2.04e-04	0.0
109	52	-5.77e-03	-4.01e-03	-0.02	2.77e-05	2.10e-05	0.0
109	63	-1.34e-03	9.59e-03	-0.03	-7.54e-05	-8.78e-05	0.0
109	69	-4.54e-04	5.20e-05	-0.02	-2.16e-06	-1.48e-05	0.0
109	71	-5.41e-04	1.24e-04	-0.02	-5.73e-06	-1.69e-05	0.0
109	73	-4.71e-04	6.64e-05	-0.02	-2.87e-06	-1.52e-05	0.0
109	74	-4.54e-04	5.20e-05	-0.02	-2.16e-06	-1.48e-05	0.0
110	2	-2.28e-03	9.14e-04	-0.04	-3.86e-05	-9.81e-05	0.0
110	15	-0.02	1.26e-03	-0.04	-1.24e-04	-1.54e-04	0.0
110	31	-5.79e-03	0.03	-0.08	-3.82e-04	-3.56e-04	0.0
110	47	-7.14e-03	7.43e-04	-0.03	-6.27e-05	-9.80e-05	0.0
110	63	-3.19e-03	0.01	-0.05	-1.62e-04	-1.76e-04	0.0
110	69	-1.41e-03	5.37e-04	-0.02	-2.23e-05	-6.12e-05	0.0
110	71	-1.71e-03	6.81e-04	-0.03	-2.87e-05	-7.36e-05	0.0
110	73	-1.47e-03	5.66e-04	-0.03	-2.36e-05	-6.36e-05	0.0
110	74	-1.41e-03	5.37e-04	-0.02	-2.23e-05	-6.12e-05	0.0
111	2	-2.83e-03	1.01e-03	-0.05	-5.27e-05	-1.29e-04	0.0
111	20	-0.02	-0.01	-0.02	5.81e-05	-1.23e-04	0.0
111	31	-4.26e-03	0.03	-0.12	-5.32e-04	-3.39e-04	0.0
111	52	-8.25e-03	-4.94e-03	-0.03	1.83e-06	-9.80e-05	0.0
111	63	-2.79e-03	0.01	-0.06	-2.26e-04	-1.80e-04	0.0
111	69	-1.71e-03	6.10e-04	-0.03	-3.19e-05	-7.85e-05	0.0
111	71	-2.12e-03	7.55e-04	-0.03	-3.94e-05	-9.62e-05	0.0

111	73	-1.79e-03	6.39e-04	-0.03	-3.34e-05	-8.20e-05	0.0
111	74	-1.71e-03	6.10e-04	-0.03	-3.19e-05	-7.85e-05	0.0
112	2	-2.05e-03	1.49e-03	-0.05	-8.45e-05	-9.36e-05	0.0
112	20	-0.02	-0.02	-0.04	4.70e-05	-1.29e-04	0.0
112	31	-4.49e-03	0.04	-0.09	-6.15e-04	-2.27e-04	0.0
112	52	-7.43e-03	-5.48e-03	-0.03	-1.54e-05	-8.65e-05	0.0
112	63	-2.57e-03	0.02	-0.06	-2.71e-04	-1.23e-04	0.0
112	69	-1.22e-03	9.36e-04	-0.03	-5.28e-05	-5.59e-05	0.0
112	71	-1.53e-03	1.12e-03	-0.04	-6.34e-05	-6.99e-05	0.0
112	73	-1.28e-03	9.72e-04	-0.03	-5.49e-05	-5.87e-05	0.0
112	74	-1.22e-03	9.36e-04	-0.03	-5.28e-05	-5.59e-05	0.0
113	2	-1.98e-03	1.77e-03	-0.04	-8.99e-05	-7.84e-05	0.0
113	15	-0.02	0.01	-0.05	-1.55e-04	-1.59e-04	0.0
113	31	-6.11e-03	0.03	-0.05	-3.63e-04	-1.55e-04	0.0
113	47	-7.33e-03	4.76e-03	-0.04	-9.53e-05	-9.21e-05	0.0
113	63	-3.17e-03	0.01	-0.04	-1.75e-04	-8.89e-05	0.0
113	69	-1.17e-03	1.11e-03	-0.03	-5.60e-05	-4.63e-05	0.0
113	71	-1.47e-03	1.33e-03	-0.03	-6.74e-05	-5.84e-05	0.0
113	73	-1.23e-03	1.15e-03	-0.03	-5.83e-05	-4.87e-05	0.0
113	74	-1.17e-03	1.11e-03	-0.03	-5.60e-05	-4.63e-05	0.0
114	2	-1.35e-03	6.51e-04	-0.04	-3.37e-05	-5.12e-05	0.0
114	11	-0.01	0.01	-0.04	-8.30e-05	-1.00e-04	0.0
114	20	-0.02	-0.01	-0.03	-1.63e-06	-9.76e-05	0.0
114	31	-4.50e-03	0.03	-0.03	-1.53e-04	-5.48e-05	0.0
114	43	-6.43e-03	5.33e-03	-0.03	-4.55e-05	-5.79e-05	0.0
114	52	-6.58e-03	-4.43e-03	-0.03	-1.38e-05	-5.69e-05	0.0
114	63	-2.30e-03	0.01	-0.03	-7.23e-05	-3.93e-05	0.0
114	69	-7.71e-04	4.05e-04	-0.03	-2.09e-05	-2.89e-05	0.0
114	71	-1.00e-03	4.88e-04	-0.03	-2.53e-05	-3.80e-05	0.0
114	73	-8.17e-04	4.22e-04	-0.03	-2.18e-05	-3.07e-05	0.0
114	74	-7.71e-04	4.05e-04	-0.03	-2.09e-05	-2.89e-05	0.0
115	2	-1.35e-03	-6.52e-04	-0.04	3.37e-05	-5.12e-05	0.0
115	11	-0.02	0.01	-0.03	1.63e-06	-9.76e-05	0.0
115	20	-0.01	-0.01	-0.04	8.30e-05	-1.00e-04	0.0
115	36	-4.50e-03	-0.03	-0.03	1.53e-04	-5.49e-05	0.0
115	43	-6.58e-03	4.43e-03	-0.03	1.38e-05	-5.69e-05	0.0
115	52	-6.43e-03	-5.33e-03	-0.03	4.55e-05	-5.79e-05	0.0
115	68	-2.30e-03	-0.01	-0.03	7.24e-05	-3.94e-05	0.0
115	69	-7.72e-04	-4.06e-04	-0.03	2.10e-05	-2.89e-05	0.0
115	71	-1.00e-03	-4.88e-04	-0.03	2.53e-05	-3.80e-05	0.0
115	73	-8.17e-04	-4.22e-04	-0.03	2.18e-05	-3.07e-05	0.0
115	74	-7.72e-04	-4.06e-04	-0.03	2.10e-05	-2.89e-05	0.0
116	2	-1.98e-03	-1.77e-03	-0.04	8.98e-05	-7.84e-05	0.0
116	8	-0.02	-0.01	-0.05	1.55e-04	-1.59e-04	0.0
116	36	-6.10e-03	-0.03	-0.05	3.63e-04	-1.55e-04	0.0
116	40	-7.33e-03	-4.75e-03	-0.04	9.53e-05	-9.21e-05	0.0
116	68	-3.17e-03	-0.01	-0.04	1.75e-04	-8.89e-05	0.0
116	69	-1.17e-03	-1.10e-03	-0.03	5.60e-05	-4.63e-05	0.0
116	71	-1.47e-03	-1.32e-03	-0.03	6.74e-05	-5.84e-05	0.0
116	73	-1.23e-03	-1.15e-03	-0.03	5.83e-05	-4.87e-05	0.0
116	74	-1.17e-03	-1.10e-03	-0.03	5.60e-05	-4.63e-05	0.0
117	2	-2.06e-03	-1.48e-03	-0.05	8.45e-05	-9.36e-05	0.0
117	11	-0.02	0.02	-0.04	-4.71e-05	-1.29e-04	0.0
117	36	-4.50e-03	-0.04	-0.09	6.15e-04	-2.27e-04	0.0
117	43	-7.43e-03	5.48e-03	-0.03	1.54e-05	-8.65e-05	0.0
117	68	-2.58e-03	-0.02	-0.06	2.71e-04	-1.23e-04	0.0
117	69	-1.22e-03	-9.34e-04	-0.03	5.28e-05	-5.59e-05	0.0
117	71	-1.53e-03	-1.11e-03	-0.04	6.33e-05	-6.99e-05	0.0
117	73	-1.28e-03	-9.70e-04	-0.03	5.49e-05	-5.87e-05	0.0
117	74	-1.22e-03	-9.34e-04	-0.03	5.28e-05	-5.59e-05	0.0
118	2	-2.84e-03	-1.01e-03	-0.05	5.28e-05	-1.29e-04	0.0
118	11	-0.02	0.01	-0.02	-5.81e-05	-1.23e-04	0.0
118	36	-4.27e-03	-0.03	-0.12	5.32e-04	-3.39e-04	0.0
118	43	-8.25e-03	4.94e-03	-0.03	-1.83e-06	-9.80e-05	0.0
118	68	-2.79e-03	-0.01	-0.06	2.26e-04	-1.80e-04	0.0
118	69	-1.71e-03	-6.10e-04	-0.03	3.19e-05	-7.85e-05	0.0
118	71	-2.12e-03	-7.56e-04	-0.03	3.94e-05	-9.62e-05	0.0
118	73	-1.79e-03	-6.39e-04	-0.03	3.34e-05	-8.20e-05	0.0
118	74	-1.71e-03	-6.10e-04	-0.03	3.19e-05	-7.85e-05	0.0
119	2	-2.27e-03	-9.16e-04	-0.04	3.85e-05	-9.79e-05	0.0
119	8	-0.02	-1.26e-03	-0.04	1.24e-04	-1.54e-04	0.0
119	36	-5.78e-03	-0.03	-0.08	3.82e-04	-3.56e-04	0.0
119	40	-7.14e-03	-7.45e-04	-0.03	6.26e-05	-9.78e-05	0.0
119	68	-3.19e-03	-0.01	-0.05	1.62e-04	-1.76e-04	0.0
119	69	-1.40e-03	-5.38e-04	-0.02	2.22e-05	-6.10e-05	0.0
119	71	-1.70e-03	-6.83e-04	-0.03	2.86e-05	-7.34e-05	0.0

119	73	-1.46e-03	-5.67e-04	-0.03	2.35e-05	-6.35e-05	0.0
119	74	-1.40e-03	-5.38e-04	-0.02	2.22e-05	-6.10e-05	0.0
120	2	-7.17e-04	-1.76e-04	-0.03	8.10e-06	-2.22e-05	0.0
120	11	-0.01	0.01	-7.66e-03	-7.40e-05	7.60e-05	0.0
120	36	-2.55e-03	-0.02	-0.06	1.91e-04	-2.04e-04	0.0
120	43	-5.77e-03	4.01e-03	-0.02	-2.78e-05	2.11e-05	0.0
120	68	-1.34e-03	-9.59e-03	-0.03	7.54e-05	-8.77e-05	0.0
120	69	-4.52e-04	-5.23e-05	-0.02	2.12e-06	-1.47e-05	0.0
120	71	-5.39e-04	-1.25e-04	-0.02	5.68e-06	-1.68e-05	0.0
120	73	-4.69e-04	-6.68e-05	-0.02	2.83e-06	-1.51e-05	0.0
120	74	-4.52e-04	-5.23e-05	-0.02	2.12e-06	-1.47e-05	0.0
121	2	8.41e-04	-1.04e-04	-0.03	5.70e-06	5.60e-05	0.0
121	4	6.92e-04	-1.08e-04	-0.02	5.81e-06	4.61e-05	0.0
121	10	0.01	-8.65e-03	-0.03	1.85e-05	-4.38e-05	0.0
121	33	9.91e-04	0.02	-1.13e-03	-1.02e-04	1.25e-04	0.0
121	36	6.29e-06	-0.02	-0.04	1.01e-04	-5.90e-05	0.0
121	42	5.80e-03	-3.39e-03	-0.02	6.74e-06	2.37e-06	0.0
121	65	7.60e-04	8.11e-03	-0.01	-3.99e-05	6.85e-05	0.0
121	68	2.37e-04	-8.08e-03	-0.03	3.91e-05	-2.32e-06	0.0
121	69	4.99e-04	1.27e-05	-0.02	0.0	3.31e-05	0.0
121	71	6.27e-04	-6.77e-05	-0.02	3.75e-06	4.18e-05	0.0
121	72	4.99e-04	1.27e-05	-0.02	0.0	3.31e-05	0.0
121	73	5.24e-04	-3.36e-06	-0.02	0.0	3.48e-05	0.0
121	74	4.99e-04	1.27e-05	-0.02	0.0	3.31e-05	0.0
122	2	2.14e-03	-4.40e-04	-0.04	2.32e-05	1.21e-04	0.0
122	10	0.01	-7.78e-03	-0.02	1.35e-05	2.00e-05	0.0
122	36	1.69e-03	-0.02	-0.04	8.98e-05	4.79e-05	0.0
122	42	6.72e-03	-3.17e-03	-0.03	1.07e-05	5.14e-05	0.0
122	68	1.37e-03	-7.43e-03	-0.03	4.07e-05	6.33e-05	0.0
122	69	1.28e-03	-1.77e-04	-0.03	9.51e-06	7.26e-05	0.0
122	71	1.60e-03	-3.17e-04	-0.03	1.67e-05	9.04e-05	0.0
122	73	1.35e-03	-2.05e-04	-0.03	1.09e-05	7.62e-05	0.0
122	74	1.28e-03	-1.77e-04	-0.03	9.51e-06	7.26e-05	0.0
123	2	2.57e-03	-9.50e-04	-0.05	5.23e-05	1.45e-04	0.0
123	10	0.02	-7.66e-03	-0.03	4.15e-05	1.01e-04	0.0
123	30	0.01	-0.02	-0.05	1.13e-04	1.03e-04	0.0
123	36	2.26e-03	-0.02	-0.05	1.22e-04	9.64e-05	0.0
123	42	7.52e-03	-3.30e-03	-0.03	3.22e-05	9.26e-05	0.0
123	62	4.93e-03	-7.30e-03	-0.04	6.01e-05	9.31e-05	0.0
123	68	1.75e-03	-7.29e-03	-0.04	6.35e-05	9.06e-05	0.0
123	69	1.55e-03	-4.79e-04	-0.03	2.67e-05	8.70e-05	0.0
123	71	1.92e-03	-6.98e-04	-0.04	3.84e-05	1.08e-04	0.0
123	73	1.62e-03	-5.23e-04	-0.04	2.91e-05	9.12e-05	0.0
123	74	1.55e-03	-4.79e-04	-0.03	2.67e-05	8.70e-05	0.0
124	2	-1.48e-03	-7.48e-04	-0.06	5.36e-05	-7.79e-05	0.0
124	11	-0.02	2.70e-03	-0.03	0.0	-1.29e-04	0.0
124	30	6.49e-03	-0.01	-0.06	1.39e-04	-3.86e-05	0.0
124	36	-2.31e-03	-0.02	-0.05	1.43e-04	-9.13e-05	0.0
124	43	-7.32e-03	7.99e-04	-0.04	1.71e-05	-8.03e-05	0.0
124	62	2.06e-03	-5.88e-03	-0.05	7.04e-05	-4.28e-05	0.0
124	68	-1.52e-03	-6.26e-03	-0.04	7.24e-05	-6.43e-05	0.0
124	69	-8.83e-04	-3.60e-04	-0.04	2.75e-05	-4.63e-05	0.0
124	71	-1.11e-03	-5.47e-04	-0.05	3.94e-05	-5.81e-05	0.0
124	73	-9.28e-04	-3.97e-04	-0.04	2.99e-05	-4.86e-05	0.0
124	74	-8.83e-04	-3.60e-04	-0.04	2.75e-05	-4.63e-05	0.0
125	2	-2.25e-03	-7.87e-04	-0.05	4.16e-05	-1.09e-04	0.0
125	11	-0.01	4.88e-03	-0.02	-2.70e-05	-1.70e-05	0.0
125	30	4.74e-03	-0.01	-0.05	9.84e-05	-1.01e-04	0.0
125	43	-6.56e-03	1.69e-03	-0.03	1.26e-06	-4.51e-05	0.0
125	62	1.10e-03	-5.62e-03	-0.04	5.05e-05	-7.86e-05	0.0
125	69	-1.33e-03	-3.75e-04	-0.03	2.00e-05	-6.43e-05	0.0
125	71	-1.67e-03	-5.74e-04	-0.04	3.04e-05	-8.10e-05	0.0
125	73	-1.40e-03	-4.15e-04	-0.03	2.21e-05	-6.76e-05	0.0
125	74	-1.33e-03	-3.75e-04	-0.03	2.00e-05	-6.43e-05	0.0
126	2	-1.15e-03	-3.07e-04	-0.04	1.66e-05	-5.33e-05	0.0
126	11	-0.01	4.42e-03	-0.02	-1.98e-05	2.71e-05	0.0
126	30	5.54e-03	-0.01	-0.04	6.03e-05	-4.04e-05	0.0
126	43	-5.79e-03	1.68e-03	-0.03	-4.77e-06	-7.03e-06	0.0
126	62	1.81e-03	-4.80e-03	-0.03	2.65e-05	-3.47e-05	0.0
126	69	-6.65e-04	-8.69e-05	-0.03	5.01e-06	-3.06e-05	0.0
126	71	-8.58e-04	-2.16e-04	-0.03	1.17e-05	-3.96e-05	0.0
126	73	-7.04e-04	-1.13e-04	-0.03	6.35e-06	-3.24e-05	0.0
126	74	-6.65e-04	-8.69e-05	-0.03	5.01e-06	-3.06e-05	0.0
127	2	4.59e-04	-2.38e-04	-0.04	1.30e-05	2.77e-05	0.0
127	10	0.01	-2.85e-03	-0.03	1.48e-05	-3.32e-05	0.0
127	36	-1.73e-04	-0.01	-0.04	6.57e-05	7.77e-05	0.0

127	42	5.44e-03	-1.12e-03	-0.03	7.55e-06	-2.80e-06	0.0
127	68	5.59e-05	-4.53e-03	-0.03	2.74e-05	4.18e-05	0.0
127	69	3.13e-04	-5.14e-05	-0.03	3.18e-06	1.85e-05	0.0
127	71	3.48e-04	-1.66e-04	-0.03	9.12e-06	2.09e-05	0.0
127	73	3.20e-04	-7.43e-05	-0.03	4.37e-06	1.90e-05	0.0
127	74	3.13e-04	-5.14e-05	-0.03	3.18e-06	1.85e-05	0.0
128	2	1.85e-03	-6.14e-04	-0.05	3.23e-05	9.77e-05	0.0
128	10	0.01	-3.35e-03	-0.03	2.11e-05	3.66e-05	0.0
128	24	-1.33e-03	-0.01	-0.05	1.22e-04	1.61e-04	0.0
128	36	9.10e-04	-0.01	-0.05	1.18e-04	1.51e-04	0.0
128	42	6.45e-03	-1.47e-03	-0.03	1.70e-05	5.06e-05	0.0
128	56	1.27e-04	-4.32e-03	-0.04	5.66e-05	1.00e-04	0.0
128	68	9.89e-04	-4.88e-03	-0.04	5.54e-05	9.60e-05	0.0
128	69	1.16e-03	-2.88e-04	-0.03	1.53e-05	6.09e-05	0.0
128	71	1.39e-03	-4.47e-04	-0.04	2.36e-05	7.33e-05	0.0
128	73	1.20e-03	-3.20e-04	-0.03	1.69e-05	6.34e-05	0.0
128	74	1.16e-03	-2.88e-04	-0.03	1.53e-05	6.09e-05	0.0
129	2	2.07e-03	-9.33e-04	-0.06	5.57e-05	1.12e-04	0.0
129	10	0.02	-4.88e-03	-0.04	7.31e-05	1.37e-04	0.0
129	24	-1.94e-03	-0.01	-0.07	1.95e-04	1.35e-04	0.0
129	30	8.82e-03	-0.01	-0.06	1.91e-04	1.67e-04	0.0
129	42	7.38e-03	-2.20e-03	-0.04	4.66e-05	9.61e-05	0.0
129	56	-4.18e-05	-4.95e-03	-0.05	9.38e-05	9.41e-05	0.0
129	62	4.29e-03	-5.43e-03	-0.05	9.23e-05	1.07e-04	0.0
129	69	1.28e-03	-4.92e-04	-0.04	3.00e-05	6.89e-05	0.0
129	71	1.55e-03	-6.88e-04	-0.04	4.11e-05	8.36e-05	0.0
129	73	1.33e-03	-5.31e-04	-0.04	3.22e-05	7.19e-05	0.0
129	74	1.28e-03	-4.92e-04	-0.04	3.00e-05	6.89e-05	0.0
130	2	-1.90e-03	-9.45e-04	-0.06	5.70e-05	-1.01e-04	0.0
130	8	-0.02	-4.89e-03	-0.04	7.62e-05	-1.33e-04	0.0
130	24	-8.66e-03	-0.01	-0.06	1.94e-04	-1.58e-04	0.0
130	30	2.15e-03	-0.01	-0.07	1.97e-04	-1.23e-04	0.0
130	40	-7.30e-03	-2.21e-03	-0.04	4.83e-05	-9.07e-05	0.0
130	56	-4.16e-03	-5.43e-03	-0.05	9.41e-05	-9.95e-05	0.0
130	62	1.95e-04	-4.99e-03	-0.05	9.53e-05	-8.56e-05	0.0
130	69	-1.17e-03	-5.01e-04	-0.04	3.08e-05	-6.21e-05	0.0
130	71	-1.42e-03	-6.97e-04	-0.04	4.21e-05	-7.55e-05	0.0
130	73	-1.22e-03	-5.40e-04	-0.04	3.31e-05	-6.48e-05	0.0
130	74	-1.17e-03	-5.01e-04	-0.04	3.08e-05	-6.21e-05	0.0
131	2	-1.75e-03	-7.00e-04	-0.05	3.68e-05	-9.02e-05	0.0
131	8	-0.01	-3.44e-03	-0.03	2.56e-05	-3.40e-05	0.0
131	26	-7.66e-04	-0.01	-0.05	1.25e-04	-1.44e-04	0.0
131	30	1.46e-03	-0.01	-0.06	1.29e-04	-1.54e-04	0.0
131	40	-6.39e-03	-1.54e-03	-0.03	2.06e-05	-4.66e-05	0.0
131	58	-8.91e-04	-4.93e-03	-0.04	5.96e-05	-9.03e-05	0.0
131	62	-3.03e-05	-4.42e-03	-0.04	6.10e-05	-9.44e-05	0.0
131	69	-1.09e-03	-3.43e-04	-0.03	1.81e-05	-5.61e-05	0.0
131	71	-1.31e-03	-5.12e-04	-0.04	2.69e-05	-6.76e-05	0.0
131	73	-1.13e-03	-3.77e-04	-0.03	1.99e-05	-5.84e-05	0.0
131	74	-1.09e-03	-3.43e-04	-0.03	1.81e-05	-5.61e-05	0.0
132	2	-4.19e-04	-3.57e-04	-0.04	1.91e-05	-2.33e-05	0.0
132	8	-0.01	-2.97e-03	-0.03	2.01e-05	3.44e-05	0.0
132	26	2.62e-04	-0.01	-0.04	7.39e-05	-7.45e-05	0.0
132	40	-5.41e-03	-1.22e-03	-0.03	1.20e-05	4.96e-06	0.0
132	58	-4.28e-06	-4.60e-03	-0.04	3.30e-05	-3.89e-05	0.0
132	69	-2.85e-04	-1.28e-04	-0.03	7.05e-06	-1.57e-05	0.0
132	71	-3.17e-04	-2.55e-04	-0.03	1.36e-05	-1.77e-05	0.0
132	73	-2.91e-04	-1.53e-04	-0.03	8.37e-06	-1.61e-05	0.0
132	74	-2.85e-04	-1.28e-04	-0.03	7.05e-06	-1.57e-05	0.0
133	2	1.12e-03	-4.39e-04	-0.05	2.33e-05	5.39e-05	0.0
133	5	0.01	4.26e-03	-0.02	-1.68e-05	-2.49e-05	0.0
133	24	-5.52e-03	-0.01	-0.04	6.89e-05	3.91e-05	0.0
133	37	5.77e-03	1.56e-03	-0.03	0.0	8.13e-06	0.0
133	56	-1.81e-03	-4.85e-03	-0.04	3.24e-05	3.44e-05	0.0
133	69	6.45e-04	-1.72e-04	-0.03	9.33e-06	3.09e-05	0.0
133	71	8.34e-04	-3.16e-04	-0.03	1.68e-05	4.01e-05	0.0
133	73	6.83e-04	-2.01e-04	-0.03	1.08e-05	3.27e-05	0.0
133	74	6.45e-04	-1.72e-04	-0.03	9.33e-06	3.09e-05	0.0
134	2	2.13e-03	-9.04e-04	-0.05	4.77e-05	1.05e-04	0.0
134	5	0.01	4.69e-03	-0.02	-2.34e-05	1.86e-05	0.0
134	24	-4.80e-03	-0.01	-0.05	1.06e-04	9.42e-05	0.0
134	37	6.50e-03	1.56e-03	-0.03	5.07e-06	4.43e-05	0.0
134	56	-1.17e-03	-5.64e-03	-0.04	5.57e-05	7.45e-05	0.0
134	69	1.25e-03	-4.50e-04	-0.04	2.39e-05	6.17e-05	0.0
134	71	1.59e-03	-6.63e-04	-0.04	3.50e-05	7.82e-05	0.0
134	73	1.32e-03	-4.93e-04	-0.04	2.61e-05	6.50e-05	0.0

134	74	1.25e-03	-4.50e-04	-0.04	2.39e-05	6.17e-05	0.0
135	2	1.26e-03	-7.98e-04	-0.06	5.69e-05	6.92e-05	0.0
135	5	0.02	2.67e-03	-0.03	2.07e-06	1.27e-04	0.0
135	24	-6.63e-03	-0.01	-0.06	1.42e-04	2.80e-05	0.0
135	26	2.19e-03	-0.02	-0.05	1.47e-04	8.16e-05	0.0
135	37	7.19e-03	7.67e-04	-0.04	1.91e-05	7.59e-05	0.0
135	56	-2.21e-03	-5.83e-03	-0.05	7.30e-05	3.52e-05	0.0
135	58	1.39e-03	-6.20e-03	-0.05	7.50e-05	5.71e-05	0.0
135	69	7.41e-04	-3.94e-04	-0.04	2.97e-05	4.07e-05	0.0
135	71	9.37e-04	-5.84e-04	-0.05	4.19e-05	5.16e-05	0.0
135	73	7.80e-04	-4.32e-04	-0.04	3.21e-05	4.29e-05	0.0
135	74	7.41e-04	-3.94e-04	-0.04	2.97e-05	4.07e-05	0.0
136	2	-2.72e-03	-9.73e-04	-0.05	5.45e-05	-1.50e-04	0.0
136	8	-0.02	-7.44e-03	-0.03	4.45e-05	-1.18e-04	0.0
136	24	-0.01	-0.02	-0.05	1.16e-04	-1.19e-04	0.0
136	26	-2.34e-03	-0.02	-0.05	1.23e-04	-1.06e-04	0.0
136	40	-7.70e-03	-3.22e-03	-0.03	3.42e-05	-1.02e-04	0.0
136	56	-5.07e-03	-7.12e-03	-0.04	6.20e-05	-1.02e-04	0.0
136	58	-1.83e-03	-7.10e-03	-0.04	6.50e-05	-9.66e-05	0.0
136	69	-1.64e-03	-4.92e-04	-0.04	2.81e-05	-9.06e-05	0.0
136	71	-2.03e-03	-7.14e-04	-0.04	4.01e-05	-1.12e-04	0.0
136	73	-1.72e-03	-5.37e-04	-0.04	3.05e-05	-9.49e-05	0.0
136	74	-1.64e-03	-4.92e-04	-0.04	2.81e-05	-9.06e-05	0.0
137	2	-2.51e-03	-5.18e-04	-0.04	2.74e-05	-1.38e-04	0.0
137	8	-0.01	-3.36e-03	-0.02	1.05e-05	-3.93e-05	0.0
137	26	-2.16e-03	-0.02	-0.04	8.56e-05	-7.97e-05	0.0
137	40	-6.97e-03	-1.39e-03	-0.03	1.09e-05	-6.53e-05	0.0
137	58	-1.69e-03	-7.14e-03	-0.03	4.05e-05	-8.19e-05	0.0
137	69	-1.51e-03	-2.20e-04	-0.03	1.18e-05	-8.30e-05	0.0
137	71	-1.87e-03	-3.75e-04	-0.03	1.98e-05	-1.03e-04	0.0
137	73	-1.59e-03	-2.51e-04	-0.03	1.34e-05	-8.70e-05	0.0
137	74	-1.51e-03	-2.20e-04	-0.03	1.18e-05	-8.30e-05	0.0
138	2	-1.44e-03	-1.05e-04	-0.03	6.03e-06	-8.39e-05	0.0
138	4	-1.18e-03	-1.11e-04	-0.03	6.22e-06	-6.88e-05	0.0
138	8	-0.01	-7.93e-03	-0.02	1.06e-05	1.81e-05	0.0
138	26	-8.74e-04	-0.02	-0.04	7.76e-05	5.27e-06	0.0
138	27	-8.52e-04	0.02	-6.27e-03	-7.88e-05	-1.06e-04	0.0
138	40	-6.17e-03	-3.10e-03	-0.02	3.51e-06	-2.28e-05	0.0
138	58	-7.98e-04	-7.50e-03	-0.03	2.97e-05	-2.90e-05	0.0
138	59	-9.29e-04	7.54e-03	-0.02	-3.10e-05	-7.16e-05	0.0
138	69	-8.63e-04	2.12e-05	-0.02	0.0	-5.03e-05	0.0
138	71	-1.07e-03	-6.69e-05	-0.02	3.94e-06	-6.27e-05	0.0
138	72	-8.63e-04	2.12e-05	-0.02	0.0	-5.03e-05	0.0
138	73	-9.05e-04	3.54e-06	-0.02	0.0	-5.28e-05	0.0
138	74	-8.63e-04	2.12e-05	-0.02	0.0	-5.03e-05	0.0
139	1	-5.07e-05	8.45e-05	-0.03	-4.14e-06	-1.15e-05	0.0
139	2	-8.19e-05	-8.06e-06	-0.03	0.0	-1.60e-05	0.0
139	8	-0.01	-9.07e-03	-0.02	1.98e-05	7.30e-05	0.0
139	26	9.58e-04	-0.02	-0.04	1.19e-04	1.18e-04	0.0
139	27	-1.04e-03	0.02	4.02e-03	-1.25e-04	-1.35e-04	0.0
139	40	-5.31e-03	-3.53e-03	-0.02	5.45e-06	2.37e-05	0.0
139	58	4.18e-04	-8.43e-03	-0.03	4.40e-05	3.99e-05	0.0
139	59	-4.96e-04	8.56e-03	-0.01	-5.04e-05	-5.77e-05	0.0
139	69	-3.90e-05	6.50e-05	-0.02	-3.18e-06	-8.87e-06	0.0
139	70	-3.90e-05	6.50e-05	-0.02	-3.18e-06	-8.87e-06	0.0
139	71	-5.98e-05	3.29e-06	-0.02	0.0	-1.18e-05	0.0
139	72	-3.90e-05	6.50e-05	-0.02	-3.18e-06	-8.87e-06	0.0
139	73	-4.32e-05	5.26e-05	-0.02	-2.55e-06	-9.47e-06	0.0
139	74	-3.90e-05	6.50e-05	-0.02	-3.18e-06	-8.87e-06	0.0
140	2	1.35e-03	-2.52e-04	-0.03	1.14e-05	5.60e-05	0.0
140	5	0.01	0.01	-5.18e-03	-8.64e-05	-5.98e-05	0.0
140	24	-4.23e-03	-0.03	-0.06	2.27e-04	2.66e-04	0.0
140	26	3.31e-03	-0.03	-0.06	2.11e-04	2.65e-04	0.0
140	37	6.18e-03	4.17e-03	-0.01	-3.13e-05	-2.17e-06	0.0
140	56	-1.20e-03	-0.01	-0.04	9.06e-05	1.25e-04	0.0
140	58	1.87e-03	-0.01	-0.04	8.43e-05	1.24e-04	0.0
140	69	8.39e-04	-1.05e-04	-0.02	4.45e-06	3.52e-05	0.0
140	71	1.02e-03	-1.82e-04	-0.02	8.17e-06	4.20e-05	0.0
140	73	8.74e-04	-1.21e-04	-0.02	5.19e-06	3.66e-05	0.0
140	74	8.39e-04	-1.05e-04	-0.02	4.45e-06	3.52e-05	0.0
141	2	2.75e-03	-1.05e-03	-0.04	4.48e-05	1.23e-04	0.0
141	10	0.02	-1.47e-03	-0.04	1.40e-04	1.82e-04	0.0
141	26	6.16e-03	-0.03	-0.09	4.27e-04	3.81e-04	0.0
141	42	7.55e-03	-8.76e-04	-0.03	7.12e-05	1.18e-04	0.0
141	58	3.51e-03	-0.01	-0.05	1.82e-04	1.94e-04	0.0
141	69	1.69e-03	-6.25e-04	-0.03	2.62e-05	7.60e-05	0.0

141	71	2.06e-03	-7.86e-04	-0.03	3.33e-05	9.20e-05	0.0
141	73	1.76e-03	-6.57e-04	-0.03	2.76e-05	7.92e-05	0.0
141	74	1.69e-03	-6.25e-04	-0.03	2.62e-05	7.60e-05	0.0
142	2	3.09e-03	-1.06e-03	-0.05	5.59e-05	1.42e-04	0.0
142	5	0.02	0.01	-0.02	-6.01e-05	1.45e-04	0.0
142	26	4.01e-03	-0.03	-0.12	5.52e-04	3.33e-04	0.0
142	37	8.53e-03	4.98e-03	-0.03	-1.38e-06	1.11e-04	0.0
142	58	2.78e-03	-0.01	-0.07	2.35e-04	1.83e-04	0.0
142	69	1.86e-03	-6.41e-04	-0.03	3.39e-05	8.64e-05	0.0
142	71	2.31e-03	-7.93e-04	-0.04	4.18e-05	1.06e-04	0.0
142	73	1.95e-03	-6.71e-04	-0.03	3.55e-05	9.03e-05	0.0
142	74	1.86e-03	-6.41e-04	-0.03	3.39e-05	8.64e-05	0.0
143	2	2.28e-03	-1.50e-03	-0.05	8.68e-05	1.07e-04	0.0
143	5	0.02	0.02	-0.04	-4.74e-05	1.39e-04	0.0
143	26	4.66e-03	-0.04	-0.09	6.21e-04	2.36e-04	0.0
143	37	7.57e-03	5.47e-03	-0.04	1.60e-05	9.53e-05	0.0
143	58	2.72e-03	-0.02	-0.06	2.74e-04	1.31e-04	0.0
143	69	1.35e-03	-9.45e-04	-0.04	5.41e-05	6.37e-05	0.0
143	71	1.70e-03	-1.13e-03	-0.04	6.51e-05	7.95e-05	0.0
143	73	1.42e-03	-9.82e-04	-0.04	5.63e-05	6.69e-05	0.0
143	74	1.35e-03	-9.45e-04	-0.04	5.41e-05	6.37e-05	0.0
144	2	2.17e-03	-1.82e-03	-0.04	9.32e-05	9.00e-05	0.0
144	10	0.02	-0.01	-0.05	1.57e-04	1.68e-04	0.0
144	26	6.25e-03	-0.03	-0.05	3.67e-04	1.64e-04	0.0
144	42	7.43e-03	-4.79e-03	-0.04	9.73e-05	9.98e-05	0.0
144	58	3.30e-03	-0.01	-0.04	1.78e-04	9.66e-05	0.0
144	69	1.29e-03	-1.14e-03	-0.03	5.79e-05	5.33e-05	0.0
144	71	1.62e-03	-1.37e-03	-0.03	6.98e-05	6.71e-05	0.0
144	73	1.36e-03	-1.18e-03	-0.03	6.03e-05	5.61e-05	0.0
144	74	1.29e-03	-1.14e-03	-0.03	5.79e-05	5.33e-05	0.0
145	2	1.51e-03	-6.73e-04	-0.04	3.50e-05	6.15e-05	0.0
145	5	0.02	0.01	-0.04	1.82e-06	1.05e-04	0.0
145	14	0.01	-0.01	-0.04	8.35e-05	1.08e-04	0.0
145	26	4.60e-03	-0.03	-0.03	1.55e-04	6.17e-05	0.0
145	37	6.66e-03	4.40e-03	-0.03	1.43e-05	6.37e-05	0.0
145	46	6.52e-03	-5.33e-03	-0.03	4.61e-05	6.48e-05	0.0
145	58	2.40e-03	-0.01	-0.03	7.33e-05	4.59e-05	0.0
145	69	8.72e-04	-4.18e-04	-0.03	2.17e-05	3.52e-05	0.0
145	71	1.12e-03	-5.04e-04	-0.03	2.62e-05	4.57e-05	0.0
145	73	9.23e-04	-4.35e-04	-0.03	2.26e-05	3.73e-05	0.0
145	74	8.72e-04	-4.18e-04	-0.03	2.17e-05	3.52e-05	0.0
146	2	1.51e-03	6.73e-04	-0.04	-3.49e-05	6.15e-05	0.0
146	5	0.01	0.01	-0.04	-8.35e-05	1.08e-04	0.0
146	14	0.02	-0.01	-0.04	-1.82e-06	1.05e-04	0.0
146	21	4.60e-03	0.03	-0.03	-1.55e-04	6.17e-05	0.0
146	37	6.52e-03	5.33e-03	-0.03	-4.61e-05	6.48e-05	0.0
146	46	6.66e-03	-4.40e-03	-0.03	-1.43e-05	6.37e-05	0.0
146	53	2.40e-03	0.01	-0.03	-7.33e-05	4.59e-05	0.0
146	69	8.72e-04	4.18e-04	-0.03	-2.17e-05	3.52e-05	0.0
146	71	1.12e-03	5.04e-04	-0.03	-2.62e-05	4.57e-05	0.0
146	73	9.22e-04	4.35e-04	-0.03	-2.26e-05	3.73e-05	0.0
146	74	8.72e-04	4.18e-04	-0.03	-2.17e-05	3.52e-05	0.0
147	2	2.17e-03	1.82e-03	-0.04	-9.31e-05	9.00e-05	0.0
147	17	0.02	0.01	-0.05	-1.57e-04	1.68e-04	0.0
147	21	6.25e-03	0.03	-0.05	-3.67e-04	1.64e-04	0.0
147	49	7.43e-03	4.79e-03	-0.04	-9.72e-05	9.98e-05	0.0
147	53	3.30e-03	0.01	-0.04	-1.78e-04	9.66e-05	0.0
147	69	1.29e-03	1.14e-03	-0.03	-5.78e-05	5.33e-05	0.0
147	71	1.62e-03	1.36e-03	-0.03	-6.98e-05	6.71e-05	0.0
147	73	1.36e-03	1.18e-03	-0.03	-6.02e-05	5.61e-05	0.0
147	74	1.29e-03	1.14e-03	-0.03	-5.78e-05	5.33e-05	0.0
148	2	2.28e-03	1.50e-03	-0.05	-8.67e-05	1.06e-04	0.0
148	14	0.02	-0.02	-0.04	4.75e-05	1.39e-04	0.0
148	21	4.66e-03	0.04	-0.09	-6.21e-04	2.36e-04	0.0
148	46	7.57e-03	-5.48e-03	-0.04	-1.60e-05	9.53e-05	0.0
148	53	2.72e-03	0.02	-0.06	-2.74e-04	1.31e-04	0.0
148	69	1.35e-03	9.43e-04	-0.04	-5.40e-05	6.36e-05	0.0
148	71	1.70e-03	1.13e-03	-0.04	-6.50e-05	7.95e-05	0.0
148	73	1.42e-03	9.79e-04	-0.04	-5.62e-05	6.68e-05	0.0
148	74	1.35e-03	9.43e-04	-0.04	-5.40e-05	6.36e-05	0.0
149	2	1.57e-04	1.34e-04	-0.03	-6.75e-06	2.24e-05	0.0
149	17	0.01	8.91e-03	-0.02	-1.54e-05	-5.65e-06	0.0
149	31	-3.00e-03	0.02	-0.02	-6.75e-05	4.28e-06	0.0
149	49	5.27e-03	3.54e-03	-0.02	-7.71e-06	6.42e-06	0.0
149	63	-1.16e-03	8.21e-03	-0.02	-2.81e-05	1.07e-05	0.0
149	69	1.19e-04	6.12e-05	-0.02	-3.09e-06	1.46e-05	0.0

149	71	1.21e-04	9.74e-05	-0.02	-4.91e-06	1.69e-05	0.0
149	73	1.19e-04	6.84e-05	-0.02	-3.45e-06	1.50e-05	0.0
149	74	1.19e-04	6.12e-05	-0.02	-3.09e-06	1.46e-05	0.0
150	2	-1.02e-03	4.12e-04	-0.04	-2.12e-05	-4.52e-05	0.0
150	17	0.01	4.87e-03	-0.03	-2.84e-05	-3.67e-05	0.0
150	20	-0.01	-4.44e-03	-0.02	6.47e-06	-1.59e-05	0.0
150	33	3.96e-03	0.01	-0.03	-3.51e-05	-2.34e-05	0.0
150	49	4.67e-03	2.04e-03	-0.03	-1.80e-05	-3.06e-05	0.0
150	52	-5.86e-03	-1.61e-03	-0.03	-4.00e-06	-2.20e-05	0.0
150	65	1.24e-03	4.89e-03	-0.03	-2.04e-05	-2.52e-05	0.0
150	69	-5.97e-04	2.13e-04	-0.03	-1.10e-05	-2.63e-05	0.0
150	71	-7.61e-04	3.03e-04	-0.03	-1.56e-05	-3.37e-05	0.0
150	73	-6.29e-04	2.31e-04	-0.03	-1.19e-05	-2.78e-05	0.0
150	74	-5.97e-04	2.13e-04	-0.03	-1.10e-05	-2.63e-05	0.0
151	2	9.62e-04	7.02e-04	-0.04	-3.49e-05	5.96e-05	0.0
151	15	-0.01	1.31e-03	-0.03	-3.54e-05	9.15e-06	0.0
151	17	0.01	6.46e-03	-0.03	-9.00e-06	5.99e-05	0.0
151	31	-2.70e-03	0.02	-0.03	-3.18e-05	2.26e-05	0.0
151	47	-4.86e-03	7.12e-04	-0.03	-2.57e-05	2.53e-05	0.0
151	49	6.13e-03	2.77e-03	-0.03	-1.50e-05	4.60e-05	0.0
151	63	-7.66e-04	6.27e-03	-0.03	-2.42e-05	3.08e-05	0.0
151	69	5.90e-04	3.87e-04	-0.03	-1.92e-05	3.63e-05	0.0
151	71	7.20e-04	5.20e-04	-0.03	-2.58e-05	4.46e-05	0.0
151	73	6.16e-04	4.14e-04	-0.03	-2.05e-05	3.80e-05	0.0
151	74	5.90e-04	3.87e-04	-0.03	-1.92e-05	3.63e-05	0.0
152	2	-8.32e-04	7.11e-04	-0.04	-3.56e-05	-3.46e-05	0.0
152	17	0.01	5.46e-03	-0.03	-3.45e-05	3.33e-06	0.0
152	20	-0.01	-4.68e-03	-0.03	-4.67e-06	-4.35e-05	0.0
152	33	4.33e-03	0.01	-0.03	-3.29e-05	-7.82e-06	0.0
152	49	5.06e-03	2.38e-03	-0.03	-2.56e-05	-1.06e-05	0.0
152	52	-6.04e-03	-1.60e-03	-0.03	-1.36e-05	-2.96e-05	0.0
152	65	1.46e-03	5.35e-03	-0.03	-2.48e-05	-1.52e-05	0.0
152	69	-4.86e-04	3.91e-04	-0.03	-1.96e-05	-2.01e-05	0.0
152	71	-6.20e-04	5.26e-04	-0.03	-2.63e-05	-2.57e-05	0.0
152	73	-5.13e-04	4.18e-04	-0.03	-2.09e-05	-2.12e-05	0.0
152	74	-4.86e-04	3.91e-04	-0.03	-1.96e-05	-2.01e-05	0.0
153	1	5.69e-05	6.31e-04	-0.04	-3.15e-05	1.00e-05	0.0
153	2	5.38e-05	8.68e-04	-0.04	-4.33e-05	1.19e-05	0.0
153	17	0.01	5.99e-03	-0.03	-2.53e-05	4.68e-05	0.0
153	31	-3.26e-03	0.01	-0.03	-3.15e-05	-4.92e-06	0.0
153	49	5.72e-03	2.65e-03	-0.03	-2.46e-05	2.36e-05	0.0
153	63	-1.32e-03	5.84e-03	-0.03	-2.70e-05	2.57e-06	0.0
153	69	4.38e-05	4.85e-04	-0.03	-2.42e-05	7.70e-06	0.0
153	70	4.38e-05	4.85e-04	-0.03	-2.42e-05	7.70e-06	0.0
153	71	4.17e-05	6.44e-04	-0.03	-3.21e-05	8.98e-06	0.0
153	72	4.38e-05	4.85e-04	-0.03	-2.42e-05	7.70e-06	0.0
153	73	4.34e-05	5.17e-04	-0.03	-2.58e-05	7.96e-06	0.0
153	74	4.38e-05	4.85e-04	-0.03	-2.42e-05	7.70e-06	0.0
154	2	9.84e-04	-1.80e-03	-0.05	8.79e-05	4.97e-05	0.0
154	5	0.01	4.46e-03	-0.03	2.86e-06	6.74e-05	0.0
154	8	-0.01	-6.46e-03	-0.04	9.48e-05	-9.62e-06	0.0
154	24	-5.66e-03	-0.01	-0.04	1.13e-04	1.18e-06	0.0
154	37	6.41e-03	1.14e-03	-0.03	3.04e-05	4.45e-05	0.0
154	40	-5.26e-03	-3.15e-03	-0.04	6.72e-05	1.33e-05	0.0
154	56	-1.92e-03	-6.27e-03	-0.04	7.37e-05	1.80e-05	0.0
154	69	5.73e-04	-1.00e-03	-0.03	4.88e-05	2.89e-05	0.0
154	71	7.33e-04	-1.33e-03	-0.04	6.51e-05	3.70e-05	0.0
154	73	6.05e-04	-1.07e-03	-0.03	5.21e-05	3.05e-05	0.0
154	74	5.73e-04	-1.00e-03	-0.03	4.88e-05	2.89e-05	0.0
155	2	-3.28e-04	-2.00e-03	-0.05	1.02e-04	-2.16e-05	0.0
155	8	-0.02	-6.58e-03	-0.04	6.48e-05	-8.78e-05	0.0
155	26	2.20e-03	-0.02	-0.04	8.97e-05	2.35e-06	0.0
155	40	-6.46e-03	-3.26e-03	-0.04	6.00e-05	-4.38e-05	0.0
155	58	8.10e-04	-6.51e-03	-0.04	6.97e-05	-7.02e-06	0.0
155	69	-2.09e-04	-1.12e-03	-0.04	5.71e-05	-1.36e-05	0.0
155	71	-2.46e-04	-1.48e-03	-0.04	7.53e-05	-1.62e-05	0.0
155	73	-2.16e-04	-1.20e-03	-0.04	6.07e-05	-1.41e-05	0.0
155	74	-2.09e-04	-1.12e-03	-0.04	5.71e-05	-1.36e-05	0.0
156	2	-1.50e-03	-1.65e-03	-0.05	7.97e-05	-8.83e-05	0.0
156	8	-0.02	-3.85e-03	-0.03	2.39e-05	-8.19e-05	0.0
156	10	0.01	-5.34e-03	-0.04	9.22e-05	-1.69e-05	0.0
156	26	1.51e-03	-0.02	-0.04	1.03e-04	-2.94e-05	0.0
156	40	-6.66e-03	-2.02e-03	-0.03	3.56e-05	-6.53e-05	0.0
156	42	4.61e-03	-2.66e-03	-0.03	6.34e-05	-3.88e-05	0.0
156	58	1.05e-04	-7.03e-03	-0.03	6.71e-05	-4.41e-05	0.0
156	69	-9.16e-04	-9.16e-04	-0.03	4.41e-05	-5.37e-05	0.0

156	71	-1.12e-03	-1.22e-03	-0.04	5.90e-05	-6.60e-05	0.0
156	73	-9.57e-04	-9.77e-04	-0.03	4.71e-05	-5.61e-05	0.0
156	74	-9.16e-04	-9.16e-04	-0.03	4.41e-05	-5.37e-05	0.0
157	2	1.31e-03	-9.47e-04	-0.04	4.87e-05	6.36e-05	0.0
157	5	0.01	4.26e-03	-0.03	-6.12e-06	1.42e-05	0.0
157	8	-0.01	-5.25e-03	-0.04	5.71e-05	5.99e-05	0.0
157	24	-4.62e-03	-0.01	-0.04	7.72e-05	3.65e-05	0.0
157	37	6.06e-03	1.37e-03	-0.03	1.29e-05	2.77e-05	0.0
157	40	-4.53e-03	-2.36e-03	-0.03	3.81e-05	4.64e-05	0.0
157	56	-1.40e-03	-5.32e-03	-0.03	4.56e-05	3.70e-05	0.0
157	69	7.65e-04	-4.95e-04	-0.03	2.55e-05	3.71e-05	0.0
157	71	9.76e-04	-6.97e-04	-0.03	3.59e-05	4.74e-05	0.0
157	73	8.08e-04	-5.35e-04	-0.03	2.76e-05	3.91e-05	0.0
157	74	7.65e-04	-4.95e-04	-0.03	2.55e-05	3.71e-05	0.0
158	2	-1.78e-03	-7.39e-04	-0.04	3.77e-05	-1.01e-04	0.0
158	8	-0.01	-3.37e-03	-0.02	1.20e-05	-3.39e-05	0.0
158	14	0.01	-7.47e-03	-0.03	5.43e-05	-7.64e-05	0.0
158	26	7.78e-04	-0.02	-0.03	7.04e-05	-5.09e-05	0.0
158	40	-6.38e-03	-1.50e-03	-0.02	1.59e-05	-5.01e-05	0.0
158	46	3.68e-03	-3.16e-03	-0.03	3.32e-05	-6.75e-05	0.0
158	58	-2.88e-04	-7.00e-03	-0.03	3.91e-05	-5.73e-05	0.0
158	69	-1.08e-03	-3.74e-04	-0.03	1.91e-05	-6.12e-05	0.0
158	71	-1.33e-03	-5.43e-04	-0.03	2.76e-05	-7.53e-05	0.0
158	73	-1.13e-03	-4.08e-04	-0.03	2.08e-05	-6.40e-05	0.0
158	74	-1.08e-03	-3.74e-04	-0.03	1.91e-05	-6.12e-05	0.0
159	2	6.18e-04	-5.72e-04	-0.04	2.99e-05	2.87e-05	0.0
159	5	0.01	3.95e-03	-0.03	-4.30e-06	-2.34e-05	0.0
159	24	-4.78e-03	-0.01	-0.03	6.12e-05	1.76e-05	0.0
159	37	5.48e-03	1.38e-03	-0.03	7.04e-06	0.0	0.0
159	56	-1.71e-03	-4.78e-03	-0.03	3.25e-05	1.69e-05	0.0
159	69	3.48e-04	-2.73e-04	-0.03	1.44e-05	1.60e-05	0.0
159	71	4.58e-04	-4.18e-04	-0.03	2.18e-05	2.13e-05	0.0
159	73	3.70e-04	-3.02e-04	-0.03	1.59e-05	1.71e-05	0.0
159	74	3.48e-04	-2.73e-04	-0.03	1.44e-05	1.60e-05	0.0
160	2	-1.11e-03	-3.11e-04	-0.03	1.62e-05	-6.77e-05	0.0
160	8	-0.01	-7.90e-03	-0.02	1.39e-05	0.0	0.0
160	26	1.21e-03	-0.02	-0.03	6.74e-05	-1.87e-05	0.0
160	40	-5.87e-03	-3.18e-03	-0.02	9.22e-06	-2.43e-05	0.0
160	58	1.25e-04	-7.46e-03	-0.02	3.02e-05	-3.27e-05	0.0
160	69	-6.81e-04	-1.24e-04	-0.02	6.58e-06	-4.13e-05	0.0
160	71	-8.30e-04	-2.24e-04	-0.02	1.17e-05	-5.06e-05	0.0
160	73	-7.11e-04	-1.44e-04	-0.02	7.60e-06	-4.32e-05	0.0
160	74	-6.81e-04	-1.24e-04	-0.02	6.58e-06	-4.13e-05	0.0
161	2	-3.71e-04	-5.62e-04	-0.04	2.92e-05	-2.09e-05	0.0
161	8	-0.01	-3.04e-03	-0.03	2.40e-05	2.31e-05	0.0
161	26	1.90e-03	-0.01	-0.04	7.10e-05	-4.42e-05	0.0
161	30	3.04e-03	-9.55e-03	-0.04	7.10e-05	-5.22e-05	0.0
161	40	-5.38e-03	-1.33e-03	-0.03	1.79e-05	1.35e-06	0.0
161	58	6.56e-04	-4.60e-03	-0.03	3.63e-05	-2.58e-05	0.0
161	62	1.09e-03	-3.87e-03	-0.03	3.63e-05	-2.89e-05	0.0
161	69	-2.48e-04	-2.72e-04	-0.03	1.43e-05	-1.38e-05	0.0
161	71	-2.80e-04	-4.11e-04	-0.03	2.14e-05	-1.58e-05	0.0
161	73	-2.54e-04	-3.00e-04	-0.03	1.57e-05	-1.42e-05	0.0
161	74	-2.48e-04	-2.72e-04	-0.03	1.43e-05	-1.38e-05	0.0
162	2	-7.87e-05	-2.31e-04	-0.03	1.17e-05	-1.67e-05	0.0
162	8	-0.01	-9.05e-03	-0.02	2.27e-05	3.01e-05	0.0
162	26	2.15e-03	-0.02	-0.03	1.01e-04	3.61e-05	0.0
162	40	-5.27e-03	-3.61e-03	-0.02	1.14e-05	5.70e-06	0.0
162	58	8.69e-04	-8.41e-03	-0.02	4.18e-05	7.40e-06	0.0
162	69	-6.04e-05	-8.91e-05	-0.02	4.49e-06	-1.05e-05	0.0
162	71	-6.05e-05	-1.66e-04	-0.02	8.37e-06	-1.25e-05	0.0
162	73	-6.04e-05	-1.04e-04	-0.02	5.27e-06	-1.09e-05	0.0
162	74	-6.04e-05	-8.91e-05	-0.02	4.49e-06	-1.05e-05	0.0
163	2	-1.13e-03	-9.17e-04	-0.04	4.68e-05	-5.92e-05	0.0
163	8	-0.01	-3.43e-03	-0.03	2.81e-05	-1.85e-05	0.0
163	26	1.69e-03	-0.01	-0.04	1.06e-04	-6.38e-05	0.0
163	30	2.78e-03	-0.01	-0.04	1.10e-04	-6.91e-05	0.0
163	40	-5.98e-03	-1.62e-03	-0.03	2.59e-05	-2.92e-05	0.0
163	58	2.99e-04	-4.80e-03	-0.03	5.66e-05	-4.74e-05	0.0
163	62	7.17e-04	-4.33e-03	-0.03	5.82e-05	-4.94e-05	0.0
163	69	-7.05e-04	-4.93e-04	-0.03	2.52e-05	-3.68e-05	0.0
163	71	-8.50e-04	-6.77e-04	-0.03	3.46e-05	-4.44e-05	0.0
163	73	-7.34e-04	-5.30e-04	-0.03	2.71e-05	-3.83e-05	0.0
163	74	-7.05e-04	-4.93e-04	-0.03	2.52e-05	-3.68e-05	0.0
164	2	1.03e-03	-4.64e-04	-0.03	2.26e-05	3.85e-05	0.0
164	5	0.01	0.01	-0.01	-5.39e-05	1.18e-05	0.0

164	24	-4.57e-03	-0.03	-0.03	1.75e-04	8.48e-05	0.0
164	26	3.08e-03	-0.03	-0.03	1.75e-04	9.08e-05	0.0
164	37	6.02e-03	3.87e-03	-0.02	-1.38e-05	1.87e-05	0.0
164	56	-1.48e-03	-9.88e-03	-0.03	7.55e-05	4.67e-05	0.0
164	58	1.64e-03	-9.88e-03	-0.03	7.54e-05	4.92e-05	0.0
164	69	6.11e-04	-2.50e-04	-0.02	1.21e-05	2.28e-05	0.0
164	71	7.71e-04	-3.43e-04	-0.02	1.67e-05	2.87e-05	0.0
164	73	6.43e-04	-2.69e-04	-0.02	1.31e-05	2.40e-05	0.0
164	74	6.11e-04	-2.50e-04	-0.02	1.21e-05	2.28e-05	0.0
165	2	-9.93e-04	-1.72e-03	-0.05	8.40e-05	-5.42e-05	0.0
165	11	-0.01	2.79e-03	-0.03	-1.68e-05	-6.94e-05	0.0
165	26	2.72e-03	-0.01	-0.04	1.61e-04	-2.65e-05	0.0
165	30	4.32e-03	-0.01	-0.04	1.68e-04	-2.08e-05	0.0
165	43	-6.33e-03	4.85e-04	-0.03	2.23e-05	-4.80e-05	0.0
165	58	7.60e-04	-5.40e-03	-0.04	9.22e-05	-3.05e-05	0.0
165	62	1.38e-03	-5.21e-03	-0.04	9.48e-05	-2.82e-05	0.0
165	69	-6.10e-04	-9.89e-04	-0.03	4.80e-05	-3.33e-05	0.0
165	71	-7.43e-04	-1.28e-03	-0.04	6.24e-05	-4.06e-05	0.0
165	73	-6.37e-04	-1.05e-03	-0.03	5.09e-05	-3.48e-05	0.0
165	74	-6.10e-04	-9.89e-04	-0.03	4.80e-05	-3.33e-05	0.0
166	2	1.99e-03	-9.49e-04	-0.03	4.85e-05	8.55e-05	0.0
166	5	0.02	0.01	-0.02	-7.41e-05	9.81e-05	0.0
166	24	-5.09e-03	-0.03	-0.04	2.83e-04	6.66e-05	0.0
166	26	3.17e-03	-0.03	-0.04	2.82e-04	1.01e-04	0.0
166	37	7.12e-03	4.21e-03	-0.02	-1.14e-05	7.05e-05	0.0
166	56	-1.33e-03	-0.01	-0.03	1.28e-04	5.68e-05	0.0
166	58	2.04e-03	-0.01	-0.03	1.27e-04	7.08e-05	0.0
166	69	1.19e-03	-5.74e-04	-0.02	2.93e-05	5.11e-05	0.0
166	71	1.49e-03	-7.09e-04	-0.02	3.62e-05	6.38e-05	0.0
166	73	1.25e-03	-6.01e-04	-0.02	3.07e-05	5.37e-05	0.0
166	74	1.19e-03	-5.74e-04	-0.02	2.93e-05	5.11e-05	0.0
167	2	6.58e-05	-1.97e-03	-0.05	9.98e-05	4.12e-06	0.0
167	10	0.02	-4.23e-03	-0.04	8.47e-05	8.03e-05	0.0
167	24	-5.29e-03	-0.01	-0.04	1.50e-04	-2.64e-05	0.0
167	36	-3.47e-03	-0.01	-0.04	1.50e-04	-1.25e-05	0.0
167	42	6.23e-03	-2.34e-03	-0.04	6.82e-05	3.42e-05	0.0
167	56	-2.11e-03	-5.14e-03	-0.04	9.35e-05	-9.09e-06	0.0
167	68	-1.40e-03	-5.16e-03	-0.04	9.35e-05	-3.66e-06	0.0
167	69	4.22e-05	-1.14e-03	-0.04	5.77e-05	2.61e-06	0.0
167	71	4.95e-05	-1.46e-03	-0.04	7.42e-05	3.09e-06	0.0
167	73	4.37e-05	-1.20e-03	-0.04	6.10e-05	2.71e-06	0.0
167	74	4.22e-05	-1.14e-03	-0.04	5.77e-05	2.61e-06	0.0
168	2	1.11e-03	-1.67e-03	-0.05	8.14e-05	6.19e-05	0.0
168	5	0.01	2.80e-03	-0.03	-1.87e-05	7.21e-05	0.0
168	24	-4.19e-03	-0.01	-0.04	1.64e-04	2.69e-05	0.0
168	36	-2.62e-03	-0.01	-0.04	1.58e-04	3.29e-05	0.0
168	37	6.38e-03	5.11e-04	-0.03	2.05e-05	5.21e-05	0.0
168	56	-1.29e-03	-5.13e-03	-0.04	9.23e-05	3.36e-05	0.0
168	68	-6.74e-04	-5.37e-03	-0.04	8.97e-05	3.60e-05	0.0
168	69	6.85e-04	-9.56e-04	-0.03	4.64e-05	3.83e-05	0.0
168	71	8.30e-04	-1.24e-03	-0.04	6.04e-05	4.64e-05	0.0
168	73	7.14e-04	-1.01e-03	-0.03	4.92e-05	3.99e-05	0.0
168	74	6.85e-04	-9.56e-04	-0.03	4.64e-05	3.83e-05	0.0
169	2	1.21e-03	-8.43e-04	-0.04	4.30e-05	6.52e-05	0.0
169	10	0.01	-3.35e-03	-0.03	2.46e-05	2.09e-05	0.0
169	24	-2.70e-03	-0.01	-0.04	1.05e-04	7.42e-05	0.0
169	36	-1.61e-03	-0.01	-0.04	1.01e-04	6.89e-05	0.0
169	42	6.02e-03	-1.56e-03	-0.03	2.31e-05	3.25e-05	0.0
169	56	-6.53e-04	-4.25e-03	-0.03	5.47e-05	5.38e-05	0.0
169	68	-2.37e-04	-4.77e-03	-0.03	5.31e-05	5.17e-05	0.0
169	69	7.56e-04	-4.47e-04	-0.03	2.28e-05	4.06e-05	0.0
169	71	9.07e-04	-6.21e-04	-0.03	3.17e-05	4.89e-05	0.0
169	73	7.86e-04	-4.81e-04	-0.03	2.46e-05	4.23e-05	0.0
169	74	7.56e-04	-4.47e-04	-0.03	2.28e-05	4.06e-05	0.0
170	2	1.41e-03	-3.92e-04	-0.03	1.97e-05	5.71e-05	0.0
170	5	0.01	0.01	-0.02	-5.79e-06	7.48e-05	0.0
170	26	4.31e-03	-0.03	-0.03	1.06e-04	5.61e-05	0.0
170	37	6.40e-03	4.02e-03	-0.02	5.21e-06	5.00e-05	0.0
170	58	2.25e-03	-0.01	-0.02	4.82e-05	4.21e-05	0.0
170	69	8.17e-04	-2.36e-04	-0.02	1.18e-05	3.29e-05	0.0
170	71	1.05e-03	-2.93e-04	-0.02	1.47e-05	4.24e-05	0.0
170	73	8.63e-04	-2.47e-04	-0.02	1.24e-05	3.48e-05	0.0
170	74	8.17e-04	-2.36e-04	-0.02	1.18e-05	3.29e-05	0.0
171	2	4.01e-04	-4.69e-04	-0.04	2.45e-05	2.47e-05	0.0
171	10	0.01	-2.95e-03	-0.03	2.00e-05	-2.23e-05	0.0
171	24	-2.98e-03	-9.39e-03	-0.03	6.48e-05	5.52e-05	0.0

171	36	-1.85e-03	-0.01	-0.03	6.49e-05	4.73e-05	0.0
171	42	5.39e-03	-1.26e-03	-0.03	1.45e-05	0.0	0.0
171	56	-1.06e-03	-3.77e-03	-0.03	3.21e-05	3.16e-05	0.0
171	68	-6.25e-04	-4.56e-03	-0.03	3.21e-05	2.85e-05	0.0
171	69	2.69e-04	-2.14e-04	-0.03	1.13e-05	1.63e-05	0.0
171	71	3.04e-04	-3.41e-04	-0.03	1.78e-05	1.86e-05	0.0
171	73	2.76e-04	-2.39e-04	-0.03	1.26e-05	1.67e-05	0.0
171	74	2.69e-04	-2.14e-04	-0.03	1.13e-05	1.63e-05	0.0
172	2	1.41e-03	3.93e-04	-0.03	-1.98e-05	5.71e-05	0.0
172	14	0.01	-0.01	-0.02	5.78e-06	7.46e-05	0.0
172	21	4.31e-03	0.03	-0.03	-1.06e-04	5.61e-05	0.0
172	46	6.40e-03	-4.02e-03	-0.02	-5.24e-06	5.00e-05	0.0
172	53	2.25e-03	0.01	-0.02	-4.83e-05	4.22e-05	0.0
172	69	8.16e-04	2.37e-04	-0.02	-1.19e-05	3.29e-05	0.0
172	71	1.05e-03	2.94e-04	-0.02	-1.48e-05	4.24e-05	0.0
172	73	8.63e-04	2.48e-04	-0.02	-1.25e-05	3.48e-05	0.0
172	74	8.16e-04	2.37e-04	-0.02	-1.19e-05	3.29e-05	0.0
173	2	-6.45e-04	-4.66e-04	-0.04	2.45e-05	-2.77e-05	0.0
173	11	-0.01	4.09e-03	-0.02	-6.52e-06	2.58e-05	0.0
173	30	4.76e-03	-0.01	-0.03	5.44e-05	-1.82e-05	0.0
173	43	-5.48e-03	1.47e-03	-0.03	4.11e-06	1.46e-06	0.0
173	62	1.69e-03	-4.74e-03	-0.03	2.78e-05	-1.68e-05	0.0
173	69	-3.64e-04	-2.07e-04	-0.03	1.10e-05	-1.54e-05	0.0
173	71	-4.78e-04	-3.38e-04	-0.03	1.78e-05	-2.05e-05	0.0
173	73	-3.87e-04	-2.33e-04	-0.03	1.23e-05	-1.64e-05	0.0
173	74	-3.64e-04	-2.07e-04	-0.03	1.10e-05	-1.54e-05	0.0
174	2	1.99e-03	9.49e-04	-0.03	-4.85e-05	8.55e-05	0.0
174	14	0.02	-0.01	-0.02	7.42e-05	9.81e-05	0.0
174	21	3.17e-03	0.03	-0.04	-2.82e-04	1.01e-04	0.0
174	27	-5.09e-03	0.03	-0.04	-2.83e-04	6.66e-05	0.0
174	46	7.12e-03	-4.21e-03	-0.02	1.14e-05	7.05e-05	0.0
174	53	2.04e-03	0.01	-0.03	-1.27e-04	7.08e-05	0.0
174	59	-1.33e-03	0.01	-0.03	-1.28e-04	5.68e-05	0.0
174	69	1.19e-03	5.74e-04	-0.02	-2.93e-05	5.11e-05	0.0
174	71	1.49e-03	7.09e-04	-0.02	-3.62e-05	6.38e-05	0.0
174	73	1.25e-03	6.01e-04	-0.02	-3.07e-05	5.37e-05	0.0
174	74	1.19e-03	5.74e-04	-0.02	-2.93e-05	5.11e-05	0.0
175	2	-1.40e-03	-8.37e-04	-0.04	4.31e-05	-6.57e-05	0.0
175	10	0.01	-5.28e-03	-0.04	5.27e-05	-6.38e-05	0.0
175	11	-0.01	4.43e-03	-0.02	-8.69e-06	-1.32e-05	0.0
175	30	4.54e-03	-0.01	-0.03	7.06e-05	-4.00e-05	0.0
175	42	4.45e-03	-2.33e-03	-0.03	3.42e-05	-4.89e-05	0.0
175	43	-6.10e-03	1.48e-03	-0.03	9.76e-06	-2.82e-05	0.0
175	62	1.33e-03	-5.31e-03	-0.03	4.09e-05	-3.92e-05	0.0
175	69	-8.24e-04	-4.27e-04	-0.03	2.20e-05	-3.85e-05	0.0
175	71	-1.05e-03	-6.15e-04	-0.03	3.17e-05	-4.90e-05	0.0
175	73	-8.68e-04	-4.64e-04	-0.03	2.39e-05	-4.06e-05	0.0
175	74	-8.24e-04	-4.27e-04	-0.03	2.20e-05	-3.85e-05	0.0
176	2	-1.15e-03	-1.69e-03	-0.05	8.26e-05	-5.52e-05	0.0
176	10	0.01	-6.54e-03	-0.04	9.18e-05	2.92e-06	0.0
176	11	-0.01	4.67e-03	-0.03	0.0	-6.79e-05	0.0
176	30	5.52e-03	-0.01	-0.04	1.07e-04	-7.70e-06	0.0
176	42	5.15e-03	-3.14e-03	-0.04	6.41e-05	-1.81e-05	0.0
176	43	-6.50e-03	1.27e-03	-0.03	2.70e-05	-4.68e-05	0.0
176	62	1.81e-03	-6.29e-03	-0.03	6.96e-05	-2.27e-05	0.0
176	69	-6.78e-04	-9.36e-04	-0.03	4.56e-05	-3.25e-05	0.0
176	71	-8.57e-04	-1.25e-03	-0.04	6.11e-05	-4.11e-05	0.0
176	73	-7.13e-04	-1.00e-03	-0.03	4.87e-05	-3.42e-05	0.0
176	74	-6.78e-04	-9.36e-04	-0.03	4.56e-05	-3.25e-05	0.0
177	2	1.22e-04	-1.96e-03	-0.05	9.95e-05	1.44e-05	0.0
177	10	0.02	-6.75e-03	-0.04	6.38e-05	8.16e-05	0.0
177	30	6.44e-03	-0.02	-0.04	8.83e-05	2.82e-05	0.0
177	36	-2.35e-03	-0.02	-0.04	8.96e-05	-1.52e-05	0.0
177	42	6.35e-03	-3.32e-03	-0.03	5.88e-05	3.86e-05	0.0
177	62	2.64e-03	-6.62e-03	-0.04	6.84e-05	1.69e-05	0.0
177	68	-9.47e-04	-6.62e-03	-0.04	6.89e-05	0.0	0.0
177	69	8.05e-05	-1.10e-03	-0.03	5.58e-05	9.00e-06	0.0
177	71	9.19e-05	-1.45e-03	-0.04	7.38e-05	1.08e-05	0.0
177	73	8.28e-05	-1.17e-03	-0.04	5.94e-05	9.36e-06	0.0
177	74	8.05e-05	-1.10e-03	-0.03	5.58e-05	9.00e-06	0.0
178	2	1.03e-03	4.64e-04	-0.03	-2.26e-05	3.85e-05	0.0
178	14	0.01	-0.01	-0.01	5.39e-05	1.18e-05	0.0
178	21	3.08e-03	0.03	-0.03	-1.75e-04	9.08e-05	0.0
178	27	-4.57e-03	0.03	-0.03	-1.76e-04	8.48e-05	0.0
178	46	6.02e-03	-3.87e-03	-0.02	1.38e-05	1.87e-05	0.0
178	53	1.64e-03	9.88e-03	-0.03	-7.54e-05	4.92e-05	0.0

178	59	-1.48e-03	9.88e-03	-0.03	-7.55e-05	4.67e-05	0.0
178	69	6.11e-04	2.51e-04	-0.02	-1.21e-05	2.28e-05	0.0
178	71	7.71e-04	3.43e-04	-0.02	-1.67e-05	2.87e-05	0.0
178	73	6.43e-04	2.69e-04	-0.02	-1.31e-05	2.40e-05	0.0
178	74	6.11e-04	2.51e-04	-0.02	-1.21e-05	2.28e-05	0.0
179	2	1.31e-03	-1.69e-03	-0.05	8.15e-05	8.12e-05	0.0
179	8	-0.01	-5.48e-03	-0.04	9.31e-05	8.87e-06	0.0
179	10	0.02	-3.90e-03	-0.03	2.71e-05	7.95e-05	0.0
179	36	-1.63e-03	-0.02	-0.04	1.08e-04	2.13e-05	0.0
179	40	-4.76e-03	-2.73e-03	-0.03	6.43e-05	3.29e-05	0.0
179	42	6.58e-03	-2.05e-03	-0.03	3.74e-05	6.17e-05	0.0
179	68	-2.25e-04	-7.21e-03	-0.03	6.98e-05	3.82e-05	0.0
179	69	7.96e-04	-9.36e-04	-0.03	4.51e-05	4.92e-05	0.0
179	71	9.79e-04	-1.25e-03	-0.04	6.03e-05	6.07e-05	0.0
179	73	8.33e-04	-9.98e-04	-0.03	4.81e-05	5.15e-05	0.0
179	74	7.96e-04	-9.36e-04	-0.03	4.51e-05	4.92e-05	0.0
180	2	-7.88e-05	2.31e-04	-0.03	-1.17e-05	-1.67e-05	0.0
180	15	-0.01	9.05e-03	-0.02	-2.27e-05	3.01e-05	0.0
180	21	2.15e-03	0.02	-0.03	-1.01e-04	3.61e-05	0.0
180	47	-5.27e-03	3.61e-03	-0.02	-1.14e-05	5.70e-06	0.0
180	53	8.69e-04	8.41e-03	-0.02	-4.18e-05	7.40e-06	0.0
180	69	-6.04e-05	8.92e-05	-0.02	-4.49e-06	-1.05e-05	0.0
180	71	-6.06e-05	1.66e-04	-0.02	-8.37e-06	-1.25e-05	0.0
180	73	-6.04e-05	1.05e-04	-0.02	-5.27e-06	-1.09e-05	0.0
180	74	-6.04e-05	8.92e-05	-0.02	-4.49e-06	-1.05e-05	0.0
181	2	1.66e-03	-7.97e-04	-0.04	4.06e-05	9.71e-05	0.0
181	10	0.01	-3.44e-03	-0.02	1.49e-05	3.35e-05	0.0
181	20	-0.01	-7.72e-03	-0.03	5.89e-05	6.96e-05	0.0
181	36	-8.73e-04	-0.02	-0.03	7.82e-05	4.40e-05	0.0
181	42	6.35e-03	-1.54e-03	-0.03	1.81e-05	4.86e-05	0.0
181	52	-3.80e-03	-3.29e-03	-0.03	3.60e-05	6.33e-05	0.0
181	68	2.04e-04	-7.20e-03	-0.03	4.32e-05	5.31e-05	0.0
181	69	1.01e-03	-4.08e-04	-0.03	2.08e-05	5.87e-05	0.0
181	71	1.24e-03	-5.86e-04	-0.03	2.98e-05	7.25e-05	0.0
181	73	1.05e-03	-4.44e-04	-0.03	2.26e-05	6.15e-05	0.0
181	74	1.01e-03	-4.08e-04	-0.03	2.08e-05	5.87e-05	0.0
182	2	-1.11e-03	3.11e-04	-0.03	-1.62e-05	-6.77e-05	0.0
182	15	-0.01	7.90e-03	-0.02	-1.39e-05	0.0	0.0
182	21	1.21e-03	0.02	-0.03	-6.74e-05	-1.87e-05	0.0
182	47	-5.87e-03	3.18e-03	-0.02	-9.22e-06	-2.43e-05	0.0
182	53	1.25e-04	7.46e-03	-0.02	-3.02e-05	-3.27e-05	0.0
182	69	-6.81e-04	1.24e-04	-0.02	-6.58e-06	-4.13e-05	0.0
182	71	-8.30e-04	2.24e-04	-0.02	-1.17e-05	-5.06e-05	0.0
182	73	-7.11e-04	1.44e-04	-0.02	-7.60e-06	-4.32e-05	0.0
182	74	-6.81e-04	1.24e-04	-0.02	-6.58e-06	-4.13e-05	0.0
183	2	1.06e-03	-3.75e-04	-0.03	1.94e-05	6.74e-05	0.0
183	10	0.01	-8.16e-03	-0.02	1.72e-05	0.0	0.0
183	36	-1.25e-03	-0.02	-0.03	7.73e-05	1.46e-05	0.0
183	42	5.88e-03	-3.31e-03	-0.02	1.17e-05	2.44e-05	0.0
183	68	-1.61e-04	-7.67e-03	-0.03	3.53e-05	3.09e-05	0.0
183	69	6.49e-04	-1.63e-04	-0.02	8.56e-06	4.10e-05	0.0
183	71	7.94e-04	-2.72e-04	-0.02	1.41e-05	5.04e-05	0.0
183	73	6.78e-04	-1.85e-04	-0.02	9.67e-06	4.28e-05	0.0
183	74	6.49e-04	-1.63e-04	-0.02	8.56e-06	4.10e-05	0.0
184	2	-1.78e-03	7.39e-04	-0.04	-3.76e-05	-1.01e-04	0.0
184	5	0.01	7.47e-03	-0.03	-5.43e-05	-7.64e-05	0.0
184	15	-0.01	3.37e-03	-0.02	-1.20e-05	-3.39e-05	0.0
184	21	7.78e-04	0.02	-0.03	-7.04e-05	-5.09e-05	0.0
184	37	3.68e-03	3.16e-03	-0.03	-3.32e-05	-6.75e-05	0.0
184	47	-6.38e-03	1.49e-03	-0.02	-1.59e-05	-5.01e-05	0.0
184	53	-2.88e-04	7.00e-03	-0.03	-3.91e-05	-5.73e-05	0.0
184	69	-1.08e-03	3.74e-04	-0.03	-1.91e-05	-6.12e-05	0.0
184	71	-1.33e-03	5.43e-04	-0.03	-2.76e-05	-7.53e-05	0.0
184	73	-1.13e-03	4.08e-04	-0.03	-2.08e-05	-6.40e-05	0.0
184	74	-1.08e-03	3.74e-04	-0.03	-1.91e-05	-6.12e-05	0.0
185	2	-1.50e-03	1.65e-03	-0.05	-7.97e-05	-8.83e-05	0.0
185	15	-0.02	3.85e-03	-0.03	-2.40e-05	-8.19e-05	0.0
185	17	0.01	5.34e-03	-0.04	-9.22e-05	-1.69e-05	0.0
185	21	1.51e-03	0.02	-0.04	-1.03e-04	-2.94e-05	0.0
185	47	-6.66e-03	2.02e-03	-0.03	-3.56e-05	-6.53e-05	0.0
185	49	4.61e-03	2.66e-03	-0.03	-6.35e-05	-3.88e-05	0.0
185	53	1.06e-04	7.03e-03	-0.03	-6.71e-05	-4.41e-05	0.0
185	69	-9.15e-04	9.16e-04	-0.03	-4.41e-05	-5.37e-05	0.0
185	71	-1.12e-03	1.22e-03	-0.04	-5.90e-05	-6.60e-05	0.0
185	73	-9.57e-04	9.77e-04	-0.03	-4.71e-05	-5.61e-05	0.0
185	74	-9.15e-04	9.16e-04	-0.03	-4.41e-05	-5.37e-05	0.0

186	2	-3.28e-04	2.00e-03	-0.05	-1.02e-04	-2.16e-05	0.0
186	15	-0.02	6.58e-03	-0.04	-6.48e-05	-8.79e-05	0.0
186	21	2.20e-03	0.02	-0.04	-8.98e-05	2.34e-06	0.0
186	47	-6.46e-03	3.27e-03	-0.04	-6.00e-05	-4.39e-05	0.0
186	53	8.10e-04	6.51e-03	-0.04	-6.97e-05	-7.03e-06	0.0
186	69	-2.09e-04	1.12e-03	-0.04	-5.71e-05	-1.36e-05	0.0
186	71	-2.46e-04	1.48e-03	-0.04	-7.53e-05	-1.62e-05	0.0
186	73	-2.17e-04	1.20e-03	-0.04	-6.07e-05	-1.41e-05	0.0
186	74	-2.09e-04	1.12e-03	-0.04	-5.71e-05	-1.36e-05	0.0
187	2	-1.84e-03	-9.55e-04	-0.03	4.93e-05	-7.60e-05	0.0
187	11	-0.02	0.01	-0.02	-7.49e-05	-9.37e-05	0.0
187	30	5.21e-03	-0.03	-0.04	2.87e-04	-6.09e-05	0.0
187	36	-3.10e-03	-0.03	-0.04	2.87e-04	-9.62e-05	0.0
187	43	-7.06e-03	4.24e-03	-0.02	-1.13e-05	-6.53e-05	0.0
187	62	1.43e-03	-0.01	-0.03	1.30e-04	-5.10e-05	0.0
187	68	-1.96e-03	-0.01	-0.03	1.30e-04	-6.54e-05	0.0
187	69	-1.10e-03	-5.81e-04	-0.02	2.98e-05	-4.53e-05	0.0
187	71	-1.37e-03	-7.14e-04	-0.03	3.68e-05	-5.67e-05	0.0
187	73	-1.15e-03	-6.07e-04	-0.02	3.12e-05	-4.76e-05	0.0
187	74	-1.10e-03	-5.81e-04	-0.02	2.98e-05	-4.53e-05	0.0
188	2	9.85e-04	1.80e-03	-0.05	-8.79e-05	4.97e-05	0.0
188	14	0.01	-4.46e-03	-0.03	-2.91e-06	6.73e-05	0.0
188	15	-0.01	6.46e-03	-0.04	-9.47e-05	-9.50e-06	0.0
188	27	-5.66e-03	0.01	-0.04	-1.12e-04	1.24e-06	0.0
188	46	6.41e-03	-1.14e-03	-0.03	-3.04e-05	4.45e-05	0.0
188	47	-5.26e-03	3.15e-03	-0.04	-6.72e-05	1.34e-05	0.0
188	59	-1.92e-03	6.27e-03	-0.04	-7.36e-05	1.80e-05	0.0
188	69	5.74e-04	1.00e-03	-0.03	-4.88e-05	2.89e-05	0.0
188	71	7.33e-04	1.33e-03	-0.04	-6.51e-05	3.70e-05	0.0
188	73	6.06e-04	1.07e-03	-0.03	-5.21e-05	3.05e-05	0.0
188	74	5.74e-04	1.00e-03	-0.03	-4.88e-05	2.89e-05	0.0
189	2	1.31e-03	9.46e-04	-0.04	-4.87e-05	6.37e-05	0.0
189	14	0.01	-4.26e-03	-0.03	6.12e-06	1.42e-05	0.0
189	15	-0.01	5.25e-03	-0.04	-5.71e-05	5.99e-05	0.0
189	27	-4.62e-03	0.01	-0.04	-7.72e-05	3.65e-05	0.0
189	46	6.06e-03	-1.37e-03	-0.03	-1.29e-05	2.77e-05	0.0
189	47	-4.53e-03	2.36e-03	-0.03	-3.81e-05	4.64e-05	0.0
189	59	-1.40e-03	5.32e-03	-0.03	-4.56e-05	3.70e-05	0.0
189	69	7.65e-04	4.95e-04	-0.03	-2.55e-05	3.71e-05	0.0
189	71	9.76e-04	6.97e-04	-0.03	-3.59e-05	4.74e-05	0.0
189	73	8.08e-04	5.35e-04	-0.03	-2.76e-05	3.91e-05	0.0
189	74	7.65e-04	4.95e-04	-0.03	-2.55e-05	3.71e-05	0.0
190	2	6.18e-04	5.71e-04	-0.04	-2.98e-05	2.87e-05	0.0
190	14	0.01	-3.95e-03	-0.03	4.31e-06	-2.34e-05	0.0
190	27	-4.78e-03	0.01	-0.03	-6.12e-05	1.76e-05	0.0
190	46	5.47e-03	-1.38e-03	-0.03	-7.03e-06	0.0	0.0
190	59	-1.71e-03	4.78e-03	-0.03	-3.25e-05	1.69e-05	0.0
190	69	3.47e-04	2.73e-04	-0.03	-1.44e-05	1.60e-05	0.0
190	71	4.58e-04	4.17e-04	-0.03	-2.18e-05	2.13e-05	0.0
190	73	3.70e-04	3.02e-04	-0.03	-1.59e-05	1.71e-05	0.0
190	74	3.47e-04	2.73e-04	-0.03	-1.44e-05	1.60e-05	0.0
191	2	-1.26e-03	-3.98e-04	-0.03	2.01e-05	-4.76e-05	0.0
191	11	-0.01	0.01	-0.02	-5.80e-06	-6.84e-05	0.0
191	36	-4.20e-03	-0.03	-0.03	1.07e-04	-4.96e-05	0.0
191	43	-6.33e-03	4.03e-03	-0.02	5.37e-06	-4.40e-05	0.0
191	68	-2.15e-03	-0.01	-0.02	4.89e-05	-3.61e-05	0.0
191	69	-7.25e-04	-2.40e-04	-0.02	1.21e-05	-2.71e-05	0.0
191	71	-9.36e-04	-2.97e-04	-0.02	1.50e-05	-3.53e-05	0.0
191	73	-7.67e-04	-2.52e-04	-0.02	1.27e-05	-2.87e-05	0.0
191	74	-7.25e-04	-2.40e-04	-0.02	1.21e-05	-2.71e-05	0.0
192	2	-3.71e-04	5.62e-04	-0.04	-2.92e-05	-2.09e-05	0.0
192	15	-0.01	3.04e-03	-0.03	-2.39e-05	2.31e-05	0.0
192	21	1.90e-03	0.01	-0.04	-7.10e-05	-4.41e-05	0.0
192	33	3.04e-03	9.55e-03	-0.04	-7.10e-05	-5.22e-05	0.0
192	47	-5.38e-03	1.33e-03	-0.03	-1.79e-05	1.34e-06	0.0
192	53	6.56e-04	4.60e-03	-0.03	-3.63e-05	-2.58e-05	0.0
192	65	1.09e-03	3.87e-03	-0.03	-3.63e-05	-2.89e-05	0.0
192	69	-2.48e-04	2.72e-04	-0.03	-1.43e-05	-1.38e-05	0.0
192	71	-2.81e-04	4.11e-04	-0.03	-2.14e-05	-1.58e-05	0.0
192	73	-2.54e-04	3.00e-04	-0.03	-1.57e-05	-1.42e-05	0.0
192	74	-2.48e-04	2.72e-04	-0.03	-1.43e-05	-1.38e-05	0.0
193	2	-1.25e-03	3.92e-04	-0.03	-1.98e-05	-4.73e-05	0.0
193	20	-0.01	-0.01	-0.02	5.90e-06	-6.80e-05	0.0
193	31	-4.21e-03	0.03	-0.03	-1.07e-04	-4.95e-05	0.0
193	52	-6.33e-03	-4.03e-03	-0.02	-5.23e-06	-4.37e-05	0.0
193	63	-2.15e-03	0.01	-0.02	-4.86e-05	-3.60e-05	0.0

193	69	-7.22e-04	2.37e-04	-0.02	-1.19e-05	-2.69e-05	0.0
193	71	-9.33e-04	2.93e-04	-0.02	-1.48e-05	-3.51e-05	0.0
193	73	-7.64e-04	2.48e-04	-0.02	-1.25e-05	-2.86e-05	0.0
193	74	-7.22e-04	2.37e-04	-0.02	-1.19e-05	-2.69e-05	0.0
194	2	-1.13e-03	9.17e-04	-0.04	-4.68e-05	-5.92e-05	0.0
194	15	-0.01	3.43e-03	-0.03	-2.82e-05	-1.85e-05	0.0
194	21	1.69e-03	0.01	-0.04	-1.06e-04	-6.38e-05	0.0
194	33	2.78e-03	0.01	-0.04	-1.10e-04	-6.91e-05	0.0
194	47	-5.98e-03	1.62e-03	-0.03	-2.59e-05	-2.92e-05	0.0
194	53	2.99e-04	4.80e-03	-0.03	-5.66e-05	-4.74e-05	0.0
194	65	7.16e-04	4.33e-03	-0.03	-5.82e-05	-4.94e-05	0.0
194	69	-7.05e-04	4.93e-04	-0.03	-2.52e-05	-3.68e-05	0.0
194	71	-8.50e-04	6.77e-04	-0.03	-3.46e-05	-4.44e-05	0.0
194	73	-7.34e-04	5.30e-04	-0.03	-2.71e-05	-3.83e-05	0.0
194	74	-7.05e-04	4.93e-04	-0.03	-2.52e-05	-3.68e-05	0.0
195	2	-1.83e-03	9.44e-04	-0.03	-4.87e-05	-7.51e-05	0.0
195	20	-0.02	-0.01	-0.02	7.39e-05	-9.26e-05	0.0
195	31	-3.10e-03	0.03	-0.04	-2.83e-04	-9.47e-05	0.0
195	33	5.21e-03	0.03	-0.04	-2.84e-04	-5.99e-05	0.0
195	52	-7.04e-03	-4.23e-03	-0.02	1.12e-05	-6.45e-05	0.0
195	63	-1.95e-03	0.01	-0.03	-1.28e-04	-6.45e-05	0.0
195	65	1.44e-03	0.01	-0.03	-1.28e-04	-5.03e-05	0.0
195	69	-1.09e-03	5.74e-04	-0.02	-2.95e-05	-4.48e-05	0.0
195	71	-1.36e-03	7.06e-04	-0.02	-3.64e-05	-5.61e-05	0.0
195	73	-1.14e-03	6.00e-04	-0.02	-3.09e-05	-4.71e-05	0.0
195	74	-1.09e-03	5.74e-04	-0.02	-2.95e-05	-4.48e-05	0.0
196	2	-9.93e-04	1.73e-03	-0.05	-8.41e-05	-5.42e-05	0.0
196	20	-0.01	-2.79e-03	-0.03	1.68e-05	-6.93e-05	0.0
196	21	2.72e-03	0.01	-0.04	-1.61e-04	-2.65e-05	0.0
196	33	4.32e-03	0.01	-0.04	-1.68e-04	-2.08e-05	0.0
196	52	-6.33e-03	-4.85e-04	-0.03	-2.23e-05	-4.80e-05	0.0
196	53	7.60e-04	5.40e-03	-0.04	-9.22e-05	-3.05e-05	0.0
196	65	1.38e-03	5.21e-03	-0.04	-9.48e-05	-2.82e-05	0.0
196	69	-6.10e-04	9.89e-04	-0.03	-4.80e-05	-3.33e-05	0.0
196	71	-7.43e-04	1.28e-03	-0.04	-6.24e-05	-4.06e-05	0.0
196	73	-6.36e-04	1.05e-03	-0.03	-5.09e-05	-3.47e-05	0.0
196	74	-6.10e-04	9.89e-04	-0.03	-4.80e-05	-3.33e-05	0.0
197	2	6.58e-05	1.97e-03	-0.05	-9.98e-05	4.12e-06	0.0
197	17	0.02	4.23e-03	-0.04	-8.48e-05	8.04e-05	0.0
197	27	-5.29e-03	0.01	-0.04	-1.50e-04	-2.64e-05	0.0
197	31	-3.47e-03	0.01	-0.04	-1.50e-04	-1.25e-05	0.0
197	49	6.23e-03	2.34e-03	-0.04	-6.82e-05	3.43e-05	0.0
197	59	-2.12e-03	5.14e-03	-0.04	-9.35e-05	-9.09e-06	0.0
197	63	-1.40e-03	5.16e-03	-0.04	-9.35e-05	-3.65e-06	0.0
197	69	4.22e-05	1.14e-03	-0.04	-5.77e-05	2.61e-06	0.0
197	71	4.95e-05	1.46e-03	-0.04	-7.43e-05	3.09e-06	0.0
197	73	4.37e-05	1.20e-03	-0.04	-6.10e-05	2.71e-06	0.0
197	74	4.22e-05	1.14e-03	-0.04	-5.77e-05	2.61e-06	0.0
198	2	1.11e-03	1.67e-03	-0.05	-8.14e-05	6.19e-05	0.0
198	14	0.01	-2.80e-03	-0.03	1.88e-05	7.21e-05	0.0
198	27	-4.19e-03	0.01	-0.04	-1.64e-04	2.69e-05	0.0
198	31	-2.62e-03	0.01	-0.04	-1.58e-04	3.28e-05	0.0
198	46	6.38e-03	-5.11e-04	-0.03	-2.05e-05	5.21e-05	0.0
198	59	-1.29e-03	5.13e-03	-0.04	-9.23e-05	3.36e-05	0.0
198	63	-6.75e-04	5.37e-03	-0.04	-8.98e-05	3.60e-05	0.0
198	69	6.85e-04	9.56e-04	-0.03	-4.64e-05	3.82e-05	0.0
198	71	8.29e-04	1.24e-03	-0.04	-6.04e-05	4.64e-05	0.0
198	73	7.14e-04	1.01e-03	-0.03	-4.92e-05	3.99e-05	0.0
198	74	6.85e-04	9.56e-04	-0.03	-4.64e-05	3.82e-05	0.0
199	2	1.21e-03	8.43e-04	-0.04	-4.30e-05	6.52e-05	0.0
199	17	0.01	3.35e-03	-0.03	-2.47e-05	2.08e-05	0.0
199	27	-2.70e-03	0.01	-0.04	-1.05e-04	7.42e-05	0.0
199	31	-1.61e-03	0.01	-0.04	-1.01e-04	6.89e-05	0.0
199	49	6.02e-03	1.56e-03	-0.03	-2.31e-05	3.24e-05	0.0
199	59	-6.53e-04	4.25e-03	-0.03	-5.47e-05	5.38e-05	0.0
199	63	-2.36e-04	4.77e-03	-0.03	-5.32e-05	5.17e-05	0.0
199	69	7.56e-04	4.47e-04	-0.03	-2.28e-05	4.06e-05	0.0
199	71	9.07e-04	6.21e-04	-0.03	-3.17e-05	4.89e-05	0.0
199	73	7.86e-04	4.82e-04	-0.03	-2.46e-05	4.23e-05	0.0
199	74	7.56e-04	4.47e-04	-0.03	-2.28e-05	4.06e-05	0.0
200	2	4.01e-04	4.69e-04	-0.04	-2.45e-05	2.47e-05	0.0
200	17	0.01	2.95e-03	-0.03	-1.99e-05	-2.23e-05	0.0
200	27	-2.98e-03	9.39e-03	-0.03	-6.48e-05	5.52e-05	0.0
200	31	-1.85e-03	0.01	-0.03	-6.48e-05	4.72e-05	0.0
200	49	5.39e-03	1.26e-03	-0.03	-1.45e-05	0.0	0.0
200	59	-1.06e-03	3.77e-03	-0.03	-3.21e-05	3.16e-05	0.0

200	63	-6.26e-04	4.56e-03	-0.03	-3.21e-05	2.85e-05	0.0
200	69	2.69e-04	2.14e-04	-0.03	-1.13e-05	1.62e-05	0.0
200	71	3.03e-04	3.41e-04	-0.03	-1.79e-05	1.86e-05	0.0
200	73	2.76e-04	2.39e-04	-0.03	-1.26e-05	1.67e-05	0.0
200	74	2.69e-04	2.14e-04	-0.03	-1.13e-05	1.62e-05	0.0
201	2	1.06e-03	3.76e-04	-0.03	-1.95e-05	6.74e-05	0.0
201	17	0.01	8.16e-03	-0.02	-1.71e-05	0.0	0.0
201	31	-1.25e-03	0.02	-0.03	-7.73e-05	1.46e-05	0.0
201	49	5.88e-03	3.31e-03	-0.02	-1.17e-05	2.44e-05	0.0
201	63	-1.61e-04	7.67e-03	-0.03	-3.53e-05	3.09e-05	0.0
201	69	6.49e-04	1.64e-04	-0.02	-8.58e-06	4.10e-05	0.0
201	71	7.94e-04	2.72e-04	-0.02	-1.41e-05	5.04e-05	0.0
201	73	6.78e-04	1.86e-04	-0.02	-9.69e-06	4.28e-05	0.0
201	74	6.49e-04	1.64e-04	-0.02	-8.58e-06	4.10e-05	0.0
202	2	-6.45e-04	4.66e-04	-0.04	-2.45e-05	-2.77e-05	0.0
202	20	-0.01	-4.09e-03	-0.02	6.51e-06	2.58e-05	0.0
202	33	4.76e-03	0.01	-0.03	-5.44e-05	-1.82e-05	0.0
202	52	-5.48e-03	-1.47e-03	-0.03	-4.11e-06	1.46e-06	0.0
202	65	1.69e-03	4.74e-03	-0.03	-2.78e-05	-1.68e-05	0.0
202	69	-3.64e-04	2.07e-04	-0.03	-1.10e-05	-1.54e-05	0.0
202	71	-4.78e-04	3.38e-04	-0.03	-1.78e-05	-2.05e-05	0.0
202	73	-3.87e-04	2.33e-04	-0.03	-1.23e-05	-1.64e-05	0.0
202	74	-3.64e-04	2.07e-04	-0.03	-1.10e-05	-1.54e-05	0.0
203	2	1.66e-03	7.97e-04	-0.04	-4.06e-05	9.71e-05	0.0
203	11	-0.01	7.72e-03	-0.03	-5.89e-05	6.97e-05	0.0
203	17	0.01	3.44e-03	-0.02	-1.50e-05	3.35e-05	0.0
203	31	-8.72e-04	0.02	-0.03	-7.83e-05	4.40e-05	0.0
203	43	-3.80e-03	3.29e-03	-0.03	-3.60e-05	6.33e-05	0.0
203	49	6.35e-03	1.54e-03	-0.03	-1.81e-05	4.86e-05	0.0
203	63	2.05e-04	7.20e-03	-0.03	-4.32e-05	5.31e-05	0.0
203	69	1.01e-03	4.09e-04	-0.03	-2.09e-05	5.87e-05	0.0
203	71	1.24e-03	5.86e-04	-0.03	-2.99e-05	7.25e-05	0.0
203	73	1.05e-03	4.44e-04	-0.03	-2.27e-05	6.15e-05	0.0
203	74	1.01e-03	4.09e-04	-0.03	-2.09e-05	5.87e-05	0.0
204	2	-1.40e-03	8.37e-04	-0.04	-4.31e-05	-6.58e-05	0.0
204	17	0.01	5.28e-03	-0.04	-5.27e-05	-6.38e-05	0.0
204	20	-0.01	-4.43e-03	-0.02	8.68e-06	-1.32e-05	0.0
204	33	4.54e-03	0.01	-0.03	-7.06e-05	-4.00e-05	0.0
204	49	4.45e-03	2.33e-03	-0.03	-3.43e-05	-4.89e-05	0.0
204	52	-6.10e-03	-1.48e-03	-0.03	-9.77e-06	-2.82e-05	0.0
204	65	1.33e-03	5.31e-03	-0.03	-4.09e-05	-3.92e-05	0.0
204	69	-8.24e-04	4.27e-04	-0.03	-2.20e-05	-3.85e-05	0.0
204	71	-1.05e-03	6.15e-04	-0.03	-3.17e-05	-4.90e-05	0.0
204	73	-8.68e-04	4.64e-04	-0.03	-2.39e-05	-4.06e-05	0.0
204	74	-8.24e-04	4.27e-04	-0.03	-2.20e-05	-3.85e-05	0.0
205	2	1.31e-03	1.69e-03	-0.05	-8.15e-05	8.12e-05	0.0
205	15	-0.01	5.48e-03	-0.04	-9.31e-05	8.84e-06	0.0
205	17	0.02	3.90e-03	-0.03	-2.71e-05	7.95e-05	0.0
205	31	-1.63e-03	0.02	-0.04	-1.08e-04	2.13e-05	0.0
205	47	-4.76e-03	2.73e-03	-0.03	-6.44e-05	3.28e-05	0.0
205	49	6.58e-03	2.05e-03	-0.03	-3.74e-05	6.17e-05	0.0
205	63	-2.25e-04	7.21e-03	-0.03	-6.98e-05	3.82e-05	0.0
205	69	7.96e-04	9.36e-04	-0.03	-4.51e-05	4.92e-05	0.0
205	71	9.79e-04	1.25e-03	-0.04	-6.03e-05	6.07e-05	0.0
205	73	8.33e-04	9.98e-04	-0.03	-4.82e-05	5.15e-05	0.0
205	74	7.96e-04	9.36e-04	-0.03	-4.51e-05	4.92e-05	0.0
206	2	-1.15e-03	1.69e-03	-0.05	-8.26e-05	-5.52e-05	0.0
206	17	0.01	6.54e-03	-0.04	-9.18e-05	2.91e-06	0.0
206	20	-0.01	-4.67e-03	-0.03	0.0	-6.79e-05	0.0
206	33	5.52e-03	0.01	-0.04	-1.07e-04	-7.72e-06	0.0
206	49	5.14e-03	3.14e-03	-0.04	-6.41e-05	-1.82e-05	0.0
206	52	-6.50e-03	-1.27e-03	-0.03	-2.70e-05	-4.68e-05	0.0
206	65	1.81e-03	6.29e-03	-0.03	-6.96e-05	-2.27e-05	0.0
206	69	-6.78e-04	9.36e-04	-0.03	-4.56e-05	-3.25e-05	0.0
206	71	-8.57e-04	1.25e-03	-0.04	-6.11e-05	-4.11e-05	0.0
206	73	-7.14e-04	1.00e-03	-0.03	-4.87e-05	-3.42e-05	0.0
206	74	-6.78e-04	9.36e-04	-0.03	-4.56e-05	-3.25e-05	0.0
207	2	1.22e-04	1.96e-03	-0.05	-9.95e-05	1.44e-05	0.0
207	17	0.02	6.75e-03	-0.04	-6.38e-05	8.16e-05	0.0
207	31	-2.35e-03	0.02	-0.04	-8.96e-05	-1.52e-05	0.0
207	33	6.44e-03	0.02	-0.04	-8.83e-05	2.82e-05	0.0
207	49	6.35e-03	3.32e-03	-0.03	-5.89e-05	3.86e-05	0.0
207	63	-9.47e-04	6.62e-03	-0.04	-6.89e-05	0.0	0.0
207	65	2.64e-03	6.62e-03	-0.04	-6.84e-05	1.69e-05	0.0
207	69	8.05e-05	1.10e-03	-0.03	-5.58e-05	9.00e-06	0.0
207	71	9.19e-05	1.45e-03	-0.04	-7.38e-05	1.08e-05	0.0

207	73	8.28e-05	1.17e-03	-0.04	-5.94e-05	9.35e-06	0.0
207	74	8.05e-05	1.10e-03	-0.03	-5.58e-05	9.00e-06	0.0
208	2	9.87e-05	-2.90e-04	-0.03	1.46e-05	1.97e-05	0.0
208	10	0.01	-9.27e-03	-0.02	2.58e-05	-2.73e-05	0.0
208	36	-2.17e-03	-0.02	-0.03	1.10e-04	-3.70e-05	0.0
208	42	5.32e-03	-3.73e-03	-0.02	1.37e-05	-3.51e-06	0.0
208	68	-8.70e-04	-8.60e-03	-0.02	4.65e-05	-6.68e-06	0.0
208	69	7.14e-05	-1.27e-04	-0.02	6.35e-06	1.23e-05	0.0
208	71	7.53e-05	-2.11e-04	-0.02	1.06e-05	1.48e-05	0.0
208	73	7.22e-05	-1.44e-04	-0.02	7.20e-06	1.28e-05	0.0
208	74	7.14e-05	-1.27e-04	-0.02	6.35e-06	1.23e-05	0.0
209	2	-9.29e-04	-5.00e-04	-0.03	2.45e-05	-3.14e-05	0.0
209	11	-0.01	0.01	-0.02	-5.49e-05	-8.03e-06	0.0
209	36	-3.02e-03	-0.03	-0.04	1.83e-04	-8.71e-05	0.0
209	43	-5.99e-03	3.89e-03	-0.02	-1.34e-05	-1.46e-05	0.0
209	68	-1.58e-03	-1.00e-02	-0.03	7.90e-05	-4.51e-05	0.0
209	69	-5.48e-04	-2.75e-04	-0.02	1.34e-05	-1.85e-05	0.0
209	71	-6.92e-04	-3.70e-04	-0.02	1.81e-05	-2.34e-05	0.0
209	73	-5.77e-04	-2.94e-04	-0.02	1.44e-05	-1.95e-05	0.0
209	74	-5.48e-04	-2.75e-04	-0.02	1.34e-05	-1.85e-05	0.0
210	2	8.75e-04	1.76e-04	-0.03	-9.09e-06	5.76e-05	0.0
210	11	-0.01	7.96e-03	-0.03	-2.33e-05	5.23e-05	0.0
210	17	0.01	7.89e-03	-0.02	-1.08e-05	9.95e-06	0.0
210	31	-2.53e-03	0.02	-0.02	-4.63e-05	2.94e-05	0.0
210	43	-4.39e-03	3.18e-03	-0.02	-1.18e-05	4.24e-05	0.0
210	49	5.66e-03	3.15e-03	-0.02	-6.65e-06	2.51e-05	0.0
210	63	-7.22e-04	7.38e-03	-0.02	-2.05e-05	3.33e-05	0.0
210	69	5.45e-04	8.06e-05	-0.02	-4.20e-06	3.55e-05	0.0
210	71	6.56e-04	1.28e-04	-0.02	-6.62e-06	4.31e-05	0.0
210	73	5.67e-04	9.01e-05	-0.02	-4.68e-06	3.70e-05	0.0
210	74	5.45e-04	8.06e-05	-0.02	-4.20e-06	3.55e-05	0.0
211	2	-9.25e-04	4.99e-04	-0.03	-2.45e-05	-3.11e-05	0.0
211	20	-0.01	-0.01	-0.02	5.48e-05	-7.95e-06	0.0
211	31	-3.01e-03	0.03	-0.04	-1.82e-04	-8.66e-05	0.0
211	52	-5.98e-03	-3.89e-03	-0.02	1.34e-05	-1.45e-05	0.0
211	63	-1.58e-03	9.99e-03	-0.03	-7.89e-05	-4.49e-05	0.0
211	69	-5.45e-04	2.74e-04	-0.02	-1.34e-05	-1.84e-05	0.0
211	71	-6.89e-04	3.70e-04	-0.02	-1.81e-05	-2.32e-05	0.0
211	73	-5.74e-04	2.93e-04	-0.02	-1.43e-05	-1.93e-05	0.0
211	74	-5.45e-04	2.74e-04	-0.02	-1.34e-05	-1.84e-05	0.0
212	2	9.44e-05	2.91e-04	-0.03	-1.46e-05	1.95e-05	0.0
212	17	0.01	9.28e-03	-0.02	-2.59e-05	-2.74e-05	0.0
212	31	-2.17e-03	0.02	-0.03	-1.10e-04	-3.74e-05	0.0
212	49	5.31e-03	3.73e-03	-0.02	-1.37e-05	-3.65e-06	0.0
212	63	-8.73e-04	8.60e-03	-0.02	-4.66e-05	-6.90e-06	0.0
212	69	6.88e-05	1.28e-04	-0.02	-6.39e-06	1.22e-05	0.0
212	71	7.21e-05	2.11e-04	-0.02	-1.06e-05	1.46e-05	0.0
212	73	6.95e-05	1.44e-04	-0.02	-7.23e-06	1.26e-05	0.0
212	74	6.88e-05	1.28e-04	-0.02	-6.39e-06	1.22e-05	0.0
213	2	9.18e-04	-4.69e-04	-0.04	2.41e-05	4.24e-05	0.0
213	5	0.01	4.29e-03	-0.03	-5.25e-06	1.61e-05	0.0
213	8	-0.01	-4.79e-03	-0.03	3.08e-05	3.28e-05	0.0
213	24	-4.04e-03	-0.01	-0.03	3.84e-05	2.01e-05	0.0
213	37	5.81e-03	1.53e-03	-0.03	5.56e-06	2.10e-05	0.0
213	40	-4.75e-03	-2.03e-03	-0.03	2.00e-05	2.79e-05	0.0
213	56	-1.32e-03	-4.86e-03	-0.03	2.28e-05	2.28e-05	0.0
213	69	5.32e-04	-2.48e-04	-0.03	1.28e-05	2.45e-05	0.0
213	71	6.83e-04	-3.45e-04	-0.03	1.78e-05	3.15e-05	0.0
213	73	5.62e-04	-2.67e-04	-0.03	1.38e-05	2.59e-05	0.0
213	74	5.32e-04	-2.48e-04	-0.03	1.28e-05	2.45e-05	0.0
214	2	6.91e-04	-7.52e-04	-0.04	3.77e-05	2.99e-05	0.0
214	5	0.01	4.50e-03	-0.03	6.25e-06	4.09e-05	0.0
214	8	-0.01	-5.33e-03	-0.03	3.55e-05	-6.73e-06	0.0
214	24	-4.42e-03	-0.01	-0.03	3.50e-05	3.88e-06	0.0
214	37	5.94e-03	1.51e-03	-0.03	1.50e-05	2.67e-05	0.0
214	40	-5.15e-03	-2.34e-03	-0.03	2.68e-05	7.41e-06	0.0
214	56	-1.55e-03	-5.28e-03	-0.03	2.64e-05	1.18e-05	0.0
214	69	3.97e-04	-4.17e-04	-0.03	2.09e-05	1.71e-05	0.0
214	71	5.13e-04	-5.57e-04	-0.03	2.79e-05	2.22e-05	0.0
214	73	4.20e-04	-4.45e-04	-0.03	2.23e-05	1.81e-05	0.0
214	74	3.97e-04	-4.17e-04	-0.03	2.09e-05	1.71e-05	0.0
215	2	-1.88e-04	-8.13e-04	-0.05	4.05e-05	-1.62e-05	0.0
215	8	-0.01	-5.76e-03	-0.03	2.34e-05	-4.97e-05	0.0
215	26	3.23e-03	-0.01	-0.03	2.90e-05	0.0	0.0
215	36	-4.34e-03	-8.31e-03	-0.03	2.85e-05	-2.02e-05	0.0
215	40	-5.77e-03	-2.54e-03	-0.03	2.30e-05	-2.65e-05	0.0

215	58	1.25e-03	-5.67e-03	-0.03	2.52e-05	-6.55e-06	0.0
215	68	-1.84e-03	-3.49e-03	-0.03	2.50e-05	-1.45e-05	0.0
215	69	-1.29e-04	-4.56e-04	-0.03	2.27e-05	-1.05e-05	0.0
215	71	-1.42e-04	-6.02e-04	-0.03	3.01e-05	-1.22e-05	0.0
215	73	-1.31e-04	-4.85e-04	-0.03	2.42e-05	-1.08e-05	0.0
215	74	-1.29e-04	-4.56e-04	-0.03	2.27e-05	-1.05e-05	0.0
216	2	-1.11e-03	-6.24e-04	-0.04	3.09e-05	-6.47e-05	0.0
216	8	-0.01	-6.22e-03	-0.03	6.78e-06	-6.27e-05	0.0
216	10	0.01	-1.33e-03	-0.03	3.21e-05	-1.38e-05	0.0
216	26	2.68e-03	-0.02	-0.03	2.66e-05	-2.78e-05	0.0
216	40	-6.20e-03	-2.65e-03	-0.03	1.28e-05	-4.90e-05	0.0
216	42	4.74e-03	-6.96e-04	-0.03	2.31e-05	-2.91e-05	0.0
216	58	6.99e-04	-6.07e-03	-0.03	2.08e-05	-3.49e-05	0.0
216	69	-6.84e-04	-3.45e-04	-0.03	1.70e-05	-3.96e-05	0.0
216	71	-8.32e-04	-4.62e-04	-0.03	2.29e-05	-4.84e-05	0.0
216	73	-7.14e-04	-3.68e-04	-0.03	1.82e-05	-4.14e-05	0.0
216	74	-6.84e-04	-3.45e-04	-0.03	1.70e-05	-3.96e-05	0.0
217	2	-1.37e-03	-3.30e-04	-0.04	1.68e-05	-7.91e-05	0.0
217	8	-0.01	-6.85e-03	-0.02	2.69e-06	-3.87e-05	0.0
217	10	0.01	-1.03e-03	-0.03	2.66e-05	-5.39e-05	0.0
217	26	2.34e-03	-0.02	-0.03	3.22e-05	-4.14e-05	0.0
217	40	-6.08e-03	-2.79e-03	-0.02	6.09e-06	-4.45e-05	0.0
217	42	4.31e-03	-4.67e-04	-0.03	1.58e-05	-5.07e-05	0.0
217	58	4.66e-04	-6.57e-03	-0.03	1.78e-05	-4.57e-05	0.0
217	69	-8.42e-04	-1.69e-04	-0.03	8.64e-06	-4.84e-05	0.0
217	71	-1.03e-03	-2.42e-04	-0.03	1.23e-05	-5.92e-05	0.0
217	73	-8.79e-04	-1.84e-04	-0.03	9.38e-06	-5.05e-05	0.0
217	74	-8.42e-04	-1.69e-04	-0.03	8.64e-06	-4.84e-05	0.0
218	2	4.72e-04	-2.89e-04	-0.04	1.51e-05	2.10e-05	0.0
218	5	0.01	3.96e-03	-0.03	-5.10e-06	-2.01e-05	0.0
218	24	-4.05e-03	-0.01	-0.03	3.92e-05	1.60e-05	0.0
218	37	5.35e-03	1.46e-03	-0.03	2.52e-06	-1.40e-06	0.0
218	56	-1.48e-03	-4.52e-03	-0.03	1.98e-05	1.35e-05	0.0
218	69	2.63e-04	-1.41e-04	-0.03	7.44e-06	1.15e-05	0.0
218	71	3.50e-04	-2.11e-04	-0.03	1.11e-05	1.55e-05	0.0
218	73	2.80e-04	-1.55e-04	-0.03	8.16e-06	1.23e-05	0.0
218	74	2.63e-04	-1.41e-04	-0.03	7.44e-06	1.15e-05	0.0
219	2	-9.32e-04	-1.47e-04	-0.03	7.61e-06	-5.83e-05	0.0
219	8	-0.01	-7.70e-03	-0.02	9.56e-06	-7.52e-06	0.0
219	14	0.01	-7.76e-03	-0.02	2.05e-05	-5.65e-05	0.0
219	26	2.46e-03	-0.02	-0.02	4.18e-05	-3.20e-05	0.0
219	40	-5.66e-03	-3.07e-03	-0.02	5.62e-06	-2.45e-05	0.0
219	46	4.31e-03	-3.09e-03	-0.02	1.01e-05	-4.44e-05	0.0
219	58	6.71e-04	-7.23e-03	-0.02	1.82e-05	-3.46e-05	0.0
219	69	-5.81e-04	-6.25e-05	-0.02	3.28e-06	-3.60e-05	0.0
219	71	-6.98e-04	-1.06e-04	-0.02	5.51e-06	-4.37e-05	0.0
219	73	-6.04e-04	-7.12e-05	-0.02	3.73e-06	-3.75e-05	0.0
219	74	-5.81e-04	-6.25e-05	-0.02	3.28e-06	-3.60e-05	0.0
220	2	-2.40e-04	-2.69e-04	-0.04	1.40e-05	-1.40e-05	0.0
220	8	-0.01	-3.86e-03	-0.03	1.47e-05	2.17e-05	0.0
220	26	2.98e-03	-0.01	-0.03	4.67e-05	-2.45e-05	0.0
220	30	3.41e-03	-8.76e-03	-0.03	4.80e-05	-2.78e-05	0.0
220	40	-5.24e-03	-1.59e-03	-0.03	9.90e-06	3.29e-06	0.0
220	58	1.13e-03	-4.32e-03	-0.03	2.24e-05	-1.55e-05	0.0
220	62	1.29e-03	-3.47e-03	-0.03	2.29e-05	-1.67e-05	0.0
220	69	-1.65e-04	-1.34e-04	-0.03	7.01e-06	-9.46e-06	0.0
220	71	-1.82e-04	-1.97e-04	-0.03	1.03e-05	-1.06e-05	0.0
220	73	-1.68e-04	-1.46e-04	-0.03	7.67e-06	-9.69e-06	0.0
220	74	-1.65e-04	-1.34e-04	-0.03	7.01e-06	-9.46e-06	0.0
221	1	-1.33e-04	-5.96e-05	-0.03	3.00e-06	-1.63e-05	0.0
221	2	-1.30e-04	-1.10e-04	-0.03	5.55e-06	-1.90e-05	0.0
221	8	-0.01	-8.75e-03	-0.02	1.40e-05	1.00e-05	0.0
221	26	3.00e-03	-0.02	-0.02	6.38e-05	-2.41e-06	0.0
221	40	-5.22e-03	-3.47e-03	-0.02	6.72e-06	-3.43e-06	0.0
221	58	1.17e-03	-8.10e-03	-0.02	2.61e-05	-8.73e-06	0.0
221	69	-1.03e-04	-4.58e-05	-0.02	2.31e-06	-1.26e-05	0.0
221	70	-1.03e-04	-4.58e-05	-0.02	2.31e-06	-1.26e-05	0.0
221	71	-1.01e-04	-7.95e-05	-0.02	4.01e-06	-1.44e-05	0.0
221	72	-1.03e-04	-4.58e-05	-0.02	2.31e-06	-1.26e-05	0.0
221	73	-1.02e-04	-5.26e-05	-0.02	2.65e-06	-1.29e-05	0.0
221	74	-1.03e-04	-4.58e-05	-0.02	2.31e-06	-1.26e-05	0.0
222	2	-7.56e-04	-4.52e-04	-0.04	2.31e-05	-3.91e-05	0.0
222	8	-0.01	-3.01e-03	-0.03	1.37e-05	-1.63e-05	0.0
222	10	0.01	-3.32e-03	-0.03	3.99e-05	-3.44e-05	0.0
222	26	2.92e-03	-0.01	-0.03	6.12e-05	-2.95e-05	0.0
222	40	-5.74e-03	-1.31e-03	-0.03	1.27e-05	-2.11e-05	0.0

222	42	4.73e-03	-1.44e-03	-0.03	2.34e-05	-2.85e-05	0.0
222	58	9.19e-04	-4.29e-03	-0.03	3.14e-05	-2.64e-05	0.0
222	69	-4.72e-04	-2.45e-04	-0.03	1.25e-05	-2.44e-05	0.0
222	71	-5.67e-04	-3.34e-04	-0.03	1.71e-05	-2.93e-05	0.0
222	73	-4.91e-04	-2.63e-04	-0.03	1.34e-05	-2.54e-05	0.0
222	74	-4.72e-04	-2.45e-04	-0.03	1.25e-05	-2.44e-05	0.0
223	2	7.18e-04	-1.95e-04	-0.03	9.61e-06	2.30e-05	0.0
223	5	0.01	9.70e-03	-0.02	-2.92e-05	1.94e-05	0.0
223	24	-4.17e-03	-0.02	-0.02	8.94e-05	1.75e-05	0.0
223	37	5.73e-03	3.75e-03	-0.02	-8.34e-06	1.54e-05	0.0
223	56	-1.44e-03	-9.08e-03	-0.02	3.79e-05	1.44e-05	0.0
223	69	4.04e-04	-1.06e-04	-0.02	5.20e-06	1.25e-05	0.0
223	71	5.33e-04	-1.44e-04	-0.02	7.10e-06	1.70e-05	0.0
223	73	4.30e-04	-1.13e-04	-0.02	5.58e-06	1.34e-05	0.0
223	74	4.04e-04	-1.06e-04	-0.02	5.20e-06	1.25e-05	0.0
224	2	-6.61e-04	-7.33e-04	-0.04	3.66e-05	-3.36e-05	0.0
224	8	-0.01	-3.19e-03	-0.03	2.21e-05	-4.54e-05	0.0
224	26	3.25e-03	-0.01	-0.03	7.00e-05	-1.50e-05	0.0
224	30	3.91e-03	-9.86e-03	-0.03	7.44e-05	-1.27e-05	0.0
224	40	-5.94e-03	-1.49e-03	-0.03	2.11e-05	-3.07e-05	0.0
224	58	1.09e-03	-4.29e-03	-0.03	3.99e-05	-1.83e-05	0.0
224	62	1.35e-03	-4.08e-03	-0.03	4.16e-05	-1.74e-05	0.0
224	69	-4.07e-04	-4.18e-04	-0.03	2.08e-05	-2.07e-05	0.0
224	71	-4.95e-04	-5.45e-04	-0.03	2.72e-05	-2.51e-05	0.0
224	73	-4.24e-04	-4.43e-04	-0.03	2.21e-05	-2.16e-05	0.0
224	74	-4.07e-04	-4.18e-04	-0.03	2.08e-05	-2.07e-05	0.0
225	2	3.99e-05	-8.31e-04	-0.05	4.14e-05	3.08e-06	0.0
225	10	0.01	-3.37e-03	-0.03	3.86e-05	4.28e-05	0.0
225	28	-4.37e-03	-0.01	-0.03	7.35e-05	-1.14e-05	0.0
225	36	-3.75e-03	-0.01	-0.03	7.35e-05	-7.56e-06	0.0
225	42	5.67e-03	-1.60e-03	-0.03	2.96e-05	1.86e-05	0.0
225	60	-1.76e-03	-4.21e-03	-0.03	4.31e-05	-3.45e-06	0.0
225	68	-1.52e-03	-4.22e-03	-0.03	4.31e-05	-1.95e-06	0.0
225	69	2.67e-05	-4.79e-04	-0.03	2.39e-05	1.99e-06	0.0
225	71	3.02e-05	-6.18e-04	-0.03	3.08e-05	2.32e-06	0.0
225	73	2.74e-05	-5.07e-04	-0.03	2.53e-05	2.05e-06	0.0
225	74	2.67e-05	-4.79e-04	-0.03	2.39e-05	1.99e-06	0.0
226	2	7.37e-04	-6.47e-04	-0.04	3.22e-05	3.95e-05	0.0
226	8	-0.01	-3.37e-03	-0.03	4.44e-05	0.0	0.0
226	10	0.01	-3.13e-03	-0.03	1.97e-05	4.88e-05	0.0
226	36	-3.22e-03	-0.01	-0.03	6.53e-05	1.93e-05	0.0
226	40	-5.05e-03	-1.53e-03	-0.03	2.86e-05	1.49e-05	0.0
226	42	5.98e-03	-1.43e-03	-0.03	1.86e-05	3.44e-05	0.0
226	68	-1.05e-03	-4.25e-03	-0.03	3.66e-05	2.24e-05	0.0
226	69	4.58e-04	-3.67e-04	-0.03	1.83e-05	2.45e-05	0.0
226	71	5.52e-04	-4.80e-04	-0.03	2.39e-05	2.96e-05	0.0
226	73	4.77e-04	-3.90e-04	-0.03	1.94e-05	2.55e-05	0.0
226	74	4.58e-04	-3.67e-04	-0.03	1.83e-05	2.45e-05	0.0
227	2	8.11e-04	-3.75e-04	-0.04	1.91e-05	4.41e-05	0.0
227	8	-0.01	-3.28e-03	-0.03	3.62e-05	3.90e-05	0.0
227	10	0.01	-2.94e-03	-0.03	1.17e-05	1.80e-05	0.0
227	36	-2.92e-03	-0.01	-0.03	5.67e-05	3.29e-05	0.0
227	40	-4.68e-03	-1.40e-03	-0.03	2.05e-05	3.22e-05	0.0
227	42	5.75e-03	-1.25e-03	-0.03	1.06e-05	2.37e-05	0.0
227	68	-8.95e-04	-4.26e-03	-0.03	2.83e-05	2.97e-05	0.0
227	69	5.10e-04	-2.01e-04	-0.03	1.02e-05	2.76e-05	0.0
227	71	6.09e-04	-2.76e-04	-0.03	1.41e-05	3.31e-05	0.0
227	73	5.30e-04	-2.16e-04	-0.03	1.10e-05	2.87e-05	0.0
227	74	5.10e-04	-2.01e-04	-0.03	1.02e-05	2.76e-05	0.0
228	2	2.59e-04	-2.20e-04	-0.04	1.15e-05	1.72e-05	0.0
228	10	0.01	-3.90e-03	-0.03	1.27e-05	-2.17e-05	0.0
228	24	-3.38e-03	-8.62e-03	-0.03	4.42e-05	3.02e-05	0.0
228	36	-2.96e-03	-0.01	-0.03	4.30e-05	2.71e-05	0.0
228	42	5.24e-03	-1.58e-03	-0.03	8.22e-06	-2.05e-06	0.0
228	56	-1.27e-03	-3.40e-03	-0.03	2.05e-05	1.90e-05	0.0
228	68	-1.11e-03	-4.32e-03	-0.03	2.00e-05	1.78e-05	0.0
228	69	1.79e-04	-1.04e-04	-0.03	5.48e-06	1.15e-05	0.0
228	71	1.96e-04	-1.61e-04	-0.03	8.40e-06	1.30e-05	0.0
228	73	1.82e-04	-1.15e-04	-0.03	6.06e-06	1.18e-05	0.0
228	74	1.79e-04	-1.04e-04	-0.03	5.48e-06	1.15e-05	0.0
229	2	7.17e-04	1.94e-04	-0.03	-9.58e-06	2.30e-05	0.0
229	14	0.01	-9.70e-03	-0.02	2.92e-05	1.94e-05	0.0
229	27	-4.16e-03	0.02	-0.02	-8.92e-05	1.75e-05	0.0
229	46	5.73e-03	-3.75e-03	-0.02	8.33e-06	1.54e-05	0.0
229	59	-1.44e-03	9.08e-03	-0.02	-3.78e-05	1.44e-05	0.0
229	69	4.04e-04	1.05e-04	-0.02	-5.18e-06	1.25e-05	0.0

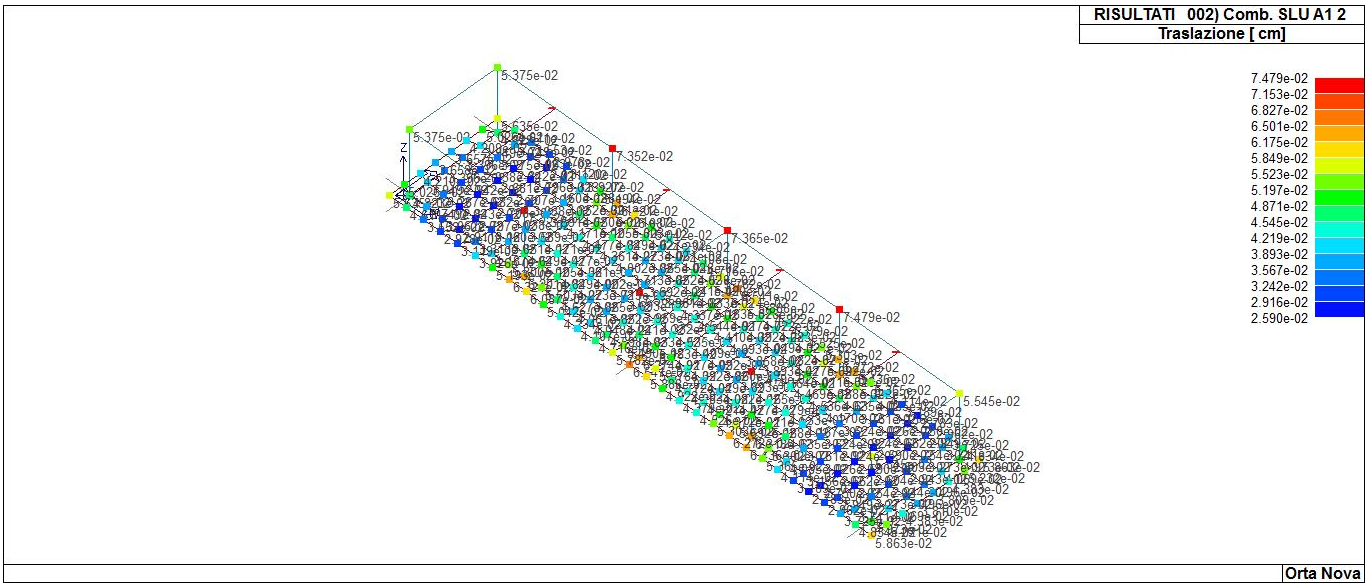
229	71	5.32e-04	1.43e-04	-0.02	-7.07e-06	1.70e-05	0.0
229	73	4.29e-04	1.13e-04	-0.02	-5.56e-06	1.34e-05	0.0
229	74	4.04e-04	1.05e-04	-0.02	-5.18e-06	1.25e-05	0.0
230	2	-5.12e-04	-2.36e-04	-0.04	1.24e-05	-2.06e-05	0.0
230	11	-0.01	4.08e-03	-0.02	-5.99e-06	2.26e-05	0.0
230	30	4.01e-03	-0.01	-0.03	3.54e-05	-1.69e-05	0.0
230	43	-5.35e-03	1.53e-03	-0.03	1.14e-06	2.53e-06	0.0
230	62	1.45e-03	-4.53e-03	-0.03	1.72e-05	-1.37e-05	0.0
230	69	-2.87e-04	-1.08e-04	-0.03	5.76e-06	-1.13e-05	0.0
230	71	-3.80e-04	-1.72e-04	-0.03	9.02e-06	-1.53e-05	0.0
230	73	-3.05e-04	-1.21e-04	-0.03	6.41e-06	-1.21e-05	0.0
230	74	-2.87e-04	-1.08e-04	-0.03	5.76e-06	-1.13e-05	0.0
231	2	-1.02e-03	-4.12e-04	-0.04	2.12e-05	-4.52e-05	0.0
231	10	0.01	-4.87e-03	-0.03	2.84e-05	-3.67e-05	0.0
231	11	-0.01	4.44e-03	-0.02	-6.48e-06	-1.59e-05	0.0
231	30	3.96e-03	-0.01	-0.03	3.51e-05	-2.34e-05	0.0
231	42	4.67e-03	-2.04e-03	-0.03	1.80e-05	-3.06e-05	0.0
231	43	-5.86e-03	1.61e-03	-0.03	3.99e-06	-2.20e-05	0.0
231	62	1.24e-03	-4.89e-03	-0.03	2.04e-05	-2.52e-05	0.0
231	69	-5.97e-04	-2.13e-04	-0.03	1.10e-05	-2.63e-05	0.0
231	71	-7.61e-04	-3.03e-04	-0.03	1.56e-05	-3.37e-05	0.0
231	73	-6.29e-04	-2.31e-04	-0.03	1.19e-05	-2.78e-05	0.0
231	74	-5.97e-04	-2.13e-04	-0.03	1.10e-05	-2.63e-05	0.0
232	2	-8.32e-04	-7.11e-04	-0.04	3.56e-05	-3.46e-05	0.0
232	10	0.01	-5.46e-03	-0.03	3.45e-05	3.33e-06	0.0
232	11	-0.01	4.68e-03	-0.03	4.66e-06	-4.35e-05	0.0
232	30	4.33e-03	-0.01	-0.03	3.29e-05	-7.81e-06	0.0
232	42	5.06e-03	-2.38e-03	-0.03	2.56e-05	-1.06e-05	0.0
232	43	-6.04e-03	1.60e-03	-0.03	1.35e-05	-2.96e-05	0.0
232	62	1.46e-03	-5.35e-03	-0.03	2.48e-05	-1.52e-05	0.0
232	69	-4.86e-04	-3.91e-04	-0.03	1.96e-05	-2.01e-05	0.0
232	71	-6.19e-04	-5.26e-04	-0.03	2.63e-05	-2.57e-05	0.0
232	73	-5.13e-04	-4.18e-04	-0.03	2.09e-05	-2.12e-05	0.0
232	74	-4.86e-04	-3.91e-04	-0.03	1.96e-05	-2.01e-05	0.0
233	1	5.69e-05	-6.31e-04	-0.04	3.15e-05	1.00e-05	0.0
233	2	5.39e-05	-8.68e-04	-0.04	4.33e-05	1.19e-05	0.0
233	10	0.01	-5.99e-03	-0.03	2.53e-05	4.68e-05	0.0
233	36	-3.26e-03	-0.01	-0.03	3.15e-05	-4.93e-06	0.0
233	42	5.72e-03	-2.64e-03	-0.03	2.46e-05	2.36e-05	0.0
233	68	-1.32e-03	-5.84e-03	-0.03	2.70e-05	2.57e-06	0.0
233	69	4.38e-05	-4.85e-04	-0.03	2.42e-05	7.70e-06	0.0
233	70	4.38e-05	-4.85e-04	-0.03	2.42e-05	7.70e-06	0.0
233	71	4.18e-05	-6.43e-04	-0.03	3.21e-05	8.99e-06	0.0
233	72	4.38e-05	-4.85e-04	-0.03	2.42e-05	7.70e-06	0.0
233	73	4.34e-05	-5.17e-04	-0.03	2.58e-05	7.96e-06	0.0
233	74	4.38e-05	-4.85e-04	-0.03	2.42e-05	7.70e-06	0.0
234	2	9.62e-04	-7.02e-04	-0.04	3.48e-05	5.96e-05	0.0
234	8	-0.01	-1.31e-03	-0.03	3.54e-05	9.17e-06	0.0
234	10	0.01	-6.46e-03	-0.03	8.99e-06	5.99e-05	0.0
234	36	-2.70e-03	-0.02	-0.03	3.18e-05	2.26e-05	0.0
234	40	-4.86e-03	-7.12e-04	-0.03	2.57e-05	2.53e-05	0.0
234	42	6.13e-03	-2.77e-03	-0.03	1.50e-05	4.60e-05	0.0
234	68	-7.66e-04	-6.27e-03	-0.03	2.41e-05	3.09e-05	0.0
234	69	5.90e-04	-3.87e-04	-0.03	1.92e-05	3.63e-05	0.0
234	71	7.20e-04	-5.20e-04	-0.03	2.58e-05	4.46e-05	0.0
234	73	6.16e-04	-4.14e-04	-0.03	2.05e-05	3.80e-05	0.0
234	74	5.90e-04	-3.87e-04	-0.03	1.92e-05	3.63e-05	0.0
235	1	-1.33e-04	5.96e-05	-0.03	-3.00e-06	-1.63e-05	0.0
235	2	-1.30e-04	1.10e-04	-0.03	-5.54e-06	-1.90e-05	0.0
235	15	-0.01	8.75e-03	-0.02	-1.40e-05	1.00e-05	0.0
235	21	3.00e-03	0.02	-0.02	-6.37e-05	-2.42e-06	0.0
235	47	-5.22e-03	3.47e-03	-0.02	-6.72e-06	-3.44e-06	0.0
235	53	1.17e-03	8.10e-03	-0.02	-2.61e-05	-8.73e-06	0.0
235	69	-1.03e-04	4.58e-05	-0.02	-2.31e-06	-1.26e-05	0.0
235	70	-1.03e-04	4.58e-05	-0.02	-2.31e-06	-1.26e-05	0.0
235	71	-1.01e-04	7.95e-05	-0.02	-4.00e-06	-1.44e-05	0.0
235	72	-1.03e-04	4.58e-05	-0.02	-2.31e-06	-1.26e-05	0.0
235	73	-1.02e-04	5.26e-05	-0.02	-2.64e-06	-1.29e-05	0.0
235	74	-1.03e-04	4.58e-05	-0.02	-2.31e-06	-1.26e-05	0.0
236	2	1.24e-03	-3.56e-04	-0.04	1.81e-05	7.45e-05	0.0
236	10	0.01	-7.05e-03	-0.02	3.98e-06	3.85e-05	0.0
236	20	-0.01	-7.21e-03	-0.03	2.87e-05	4.57e-05	0.0
236	36	-2.45e-03	-0.02	-0.03	3.58e-05	3.66e-05	0.0
236	42	6.03e-03	-2.88e-03	-0.02	7.08e-06	4.27e-05	0.0
236	52	-4.34e-03	-2.95e-03	-0.03	1.72e-05	4.56e-05	0.0
236	68	-5.61e-04	-6.73e-03	-0.03	1.97e-05	4.20e-05	0.0

236	69	7.58e-04	-1.85e-04	-0.03	9.45e-06	4.54e-05	0.0
236	71	9.25e-04	-2.62e-04	-0.03	1.34e-05	5.57e-05	0.0
236	73	7.91e-04	-2.01e-04	-0.03	1.02e-05	4.75e-05	0.0
236	74	7.58e-04	-1.85e-04	-0.03	9.45e-06	4.54e-05	0.0
237	2	-9.32e-04	1.47e-04	-0.03	-7.61e-06	-5.83e-05	0.0
237	5	0.01	7.76e-03	-0.02	-2.05e-05	-5.65e-05	0.0
237	15	-0.01	7.70e-03	-0.02	-9.56e-06	-7.52e-06	0.0
237	21	2.46e-03	0.02	-0.02	-4.18e-05	-3.20e-05	0.0
237	37	4.31e-03	3.09e-03	-0.02	-1.01e-05	-4.44e-05	0.0
237	47	-5.66e-03	3.07e-03	-0.02	-5.62e-06	-2.45e-05	0.0
237	53	6.71e-04	7.23e-03	-0.02	-1.82e-05	-3.46e-05	0.0
237	69	-5.81e-04	6.25e-05	-0.02	-3.28e-06	-3.60e-05	0.0
237	71	-6.98e-04	1.06e-04	-0.02	-5.51e-06	-4.37e-05	0.0
237	73	-6.04e-04	7.12e-05	-0.02	-3.73e-06	-3.75e-05	0.0
237	74	-5.81e-04	6.25e-05	-0.02	-3.28e-06	-3.60e-05	0.0
238	2	8.75e-04	-1.80e-04	-0.03	9.28e-06	5.76e-05	0.0
238	10	0.01	-7.90e-03	-0.02	1.09e-05	9.74e-06	0.0
238	20	-0.01	-7.96e-03	-0.03	2.37e-05	5.23e-05	0.0
238	36	-2.52e-03	-0.02	-0.02	4.67e-05	2.92e-05	0.0
238	42	5.67e-03	-3.16e-03	-0.02	6.72e-06	2.51e-05	0.0
238	52	-4.39e-03	-3.18e-03	-0.02	1.19e-05	4.24e-05	0.0
238	68	-7.15e-04	-7.38e-03	-0.02	2.07e-05	3.32e-05	0.0
238	69	5.46e-04	-8.21e-05	-0.02	4.27e-06	3.55e-05	0.0
238	71	6.56e-04	-1.31e-04	-0.02	6.75e-06	4.31e-05	0.0
238	73	5.68e-04	-9.18e-05	-0.02	4.77e-06	3.70e-05	0.0
238	74	5.46e-04	-8.21e-05	-0.02	4.27e-06	3.55e-05	0.0
239	2	-1.37e-03	3.30e-04	-0.04	-1.68e-05	-7.91e-05	0.0
239	15	-0.01	6.85e-03	-0.02	-2.67e-06	-3.86e-05	0.0
239	17	0.01	1.03e-03	-0.03	-2.66e-05	-5.40e-05	0.0
239	21	2.34e-03	0.02	-0.03	-3.21e-05	-4.14e-05	0.0
239	47	-6.08e-03	2.79e-03	-0.02	-6.08e-06	-4.45e-05	0.0
239	49	4.31e-03	4.66e-04	-0.03	-1.58e-05	-5.07e-05	0.0
239	53	4.67e-04	6.57e-03	-0.03	-1.78e-05	-4.57e-05	0.0
239	69	-8.42e-04	1.69e-04	-0.03	-8.64e-06	-4.84e-05	0.0
239	71	-1.03e-03	2.42e-04	-0.03	-1.23e-05	-5.92e-05	0.0
239	73	-8.79e-04	1.84e-04	-0.03	-9.38e-06	-5.05e-05	0.0
239	74	-8.42e-04	1.69e-04	-0.03	-8.64e-06	-4.84e-05	0.0
240	2	1.63e-04	-1.32e-04	-0.03	6.67e-06	2.27e-05	0.0
240	10	0.01	-8.90e-03	-0.02	1.53e-05	-5.51e-06	0.0
240	36	-3.00e-03	-0.02	-0.02	6.70e-05	4.52e-06	0.0
240	42	5.27e-03	-3.54e-03	-0.02	7.64e-06	6.57e-06	0.0
240	68	-1.16e-03	-8.20e-03	-0.02	2.79e-05	1.09e-05	0.0
240	69	1.22e-04	-6.04e-05	-0.02	3.04e-06	1.47e-05	0.0
240	71	1.25e-04	-9.63e-05	-0.02	4.85e-06	1.71e-05	0.0
240	73	1.23e-04	-6.76e-05	-0.02	3.41e-06	1.52e-05	0.0
240	74	1.22e-04	-6.04e-05	-0.02	3.04e-06	1.47e-05	0.0
241	2	-1.11e-03	6.35e-04	-0.04	-3.14e-05	-6.49e-05	0.0
241	15	-0.01	6.23e-03	-0.03	-6.93e-06	-6.27e-05	0.0
241	17	0.01	1.34e-03	-0.03	-3.26e-05	-1.38e-05	0.0
241	21	2.67e-03	0.02	-0.03	-2.72e-05	-2.77e-05	0.0
241	47	-6.20e-03	2.66e-03	-0.03	-1.31e-05	-4.91e-05	0.0
241	49	4.74e-03	7.02e-04	-0.03	-2.35e-05	-2.92e-05	0.0
241	53	6.94e-04	6.07e-03	-0.03	-2.12e-05	-3.49e-05	0.0
241	69	-6.85e-04	3.50e-04	-0.03	-1.73e-05	-3.97e-05	0.0
241	71	-8.34e-04	4.70e-04	-0.03	-2.33e-05	-4.85e-05	0.0
241	73	-7.15e-04	3.74e-04	-0.03	-1.85e-05	-4.15e-05	0.0
241	74	-6.85e-04	3.50e-04	-0.03	-1.73e-05	-3.97e-05	0.0
242	2	-1.91e-04	8.26e-04	-0.05	-4.12e-05	-1.63e-05	0.0
242	15	-0.01	5.77e-03	-0.03	-2.39e-05	-5.00e-05	0.0
242	21	3.22e-03	0.01	-0.03	-2.96e-05	0.0	0.0
242	31	-4.34e-03	8.32e-03	-0.03	-2.91e-05	-2.03e-05	0.0
242	47	-5.78e-03	2.55e-03	-0.03	-2.34e-05	-2.66e-05	0.0
242	53	1.25e-03	5.68e-03	-0.03	-2.56e-05	-6.61e-06	0.0
242	63	-1.85e-03	3.50e-03	-0.03	-2.54e-05	-1.46e-05	0.0
242	69	-1.30e-04	4.63e-04	-0.03	-2.31e-05	-1.06e-05	0.0
242	71	-1.44e-04	6.12e-04	-0.03	-3.05e-05	-1.23e-05	0.0
242	73	-1.33e-04	4.93e-04	-0.03	-2.46e-05	-1.09e-05	0.0
242	74	-1.30e-04	4.63e-04	-0.03	-2.31e-05	-1.06e-05	0.0
243	2	6.83e-04	7.18e-04	-0.04	-3.60e-05	2.95e-05	0.0
243	14	0.01	-4.51e-03	-0.03	-6.03e-06	4.03e-05	0.0
243	15	-0.01	5.30e-03	-0.03	-3.38e-05	-6.61e-06	0.0
243	27	-4.39e-03	0.01	-0.03	-3.31e-05	4.00e-06	0.0
243	46	5.93e-03	-1.53e-03	-0.03	-1.43e-05	2.63e-05	0.0
243	47	-5.14e-03	2.32e-03	-0.03	-2.55e-05	7.31e-06	0.0
243	59	-1.54e-03	5.25e-03	-0.03	-2.51e-05	1.17e-05	0.0
243	69	3.92e-04	3.98e-04	-0.03	-1.99e-05	1.68e-05	0.0

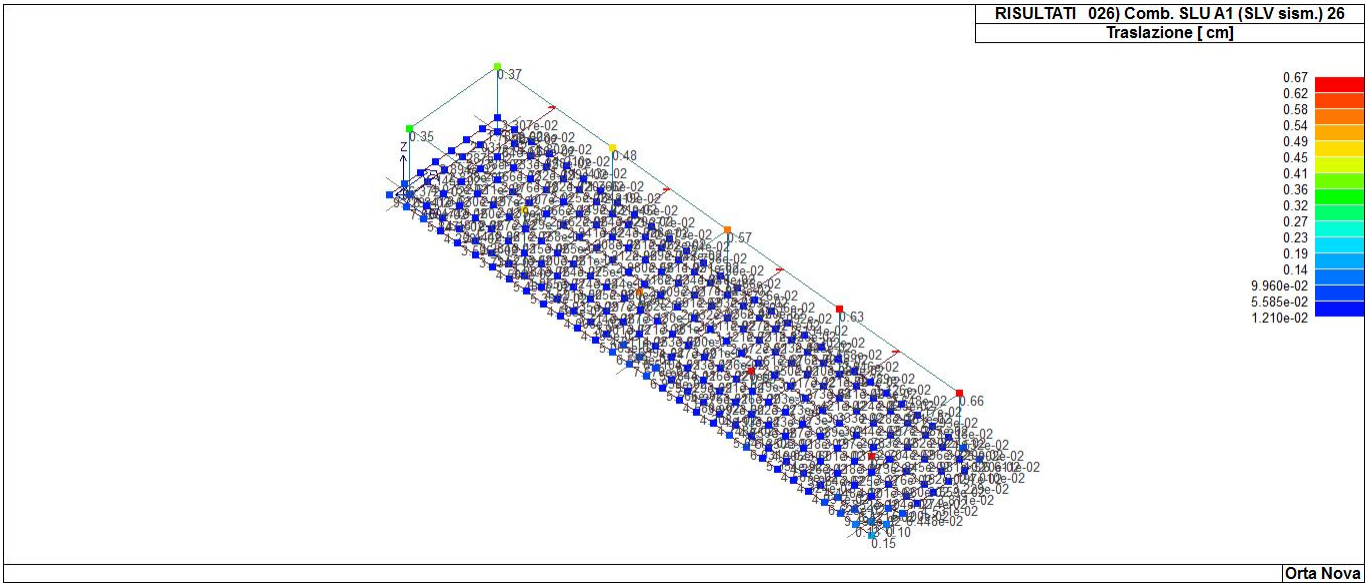
243	71	5.08e-04	5.32e-04	-0.03	-2.67e-05	2.19e-05	0.0
243	73	4.15e-04	4.24e-04	-0.03	-2.13e-05	1.78e-05	0.0
243	74	3.92e-04	3.98e-04	-0.03	-1.99e-05	1.68e-05	0.0
244	2	-6.19e-04	-2.23e-04	-0.03	1.10e-05	-1.61e-05	0.0
244	11	-0.01	9.77e-03	-0.02	-2.90e-05	-1.57e-05	0.0
244	30	4.30e-03	-0.02	-0.02	9.24e-05	-1.39e-05	0.0
244	36	-3.43e-03	-0.02	-0.02	8.65e-05	-2.00e-05	0.0
244	43	-5.71e-03	3.77e-03	-0.02	-7.73e-06	-1.14e-05	0.0
244	62	1.53e-03	-9.15e-03	-0.02	3.95e-05	-1.04e-05	0.0
244	68	-1.62e-03	-9.15e-03	-0.02	3.72e-05	-1.29e-05	0.0
244	69	-3.44e-04	-1.23e-04	-0.02	6.07e-06	-8.34e-06	0.0
244	71	-4.59e-04	-1.65e-04	-0.02	8.18e-06	-1.18e-05	0.0
244	73	-3.67e-04	-1.31e-04	-0.02	6.49e-06	-9.04e-06	0.0
244	74	-3.44e-04	-1.23e-04	-0.02	6.07e-06	-8.34e-06	0.0
245	2	9.17e-04	4.66e-04	-0.04	-2.40e-05	4.24e-05	0.0
245	14	0.01	-4.30e-03	-0.03	5.29e-06	1.62e-05	0.0
245	15	-0.01	4.79e-03	-0.03	-3.07e-05	3.27e-05	0.0
245	27	-4.04e-03	0.01	-0.03	-3.84e-05	2.01e-05	0.0
245	46	5.81e-03	-1.53e-03	-0.03	-5.51e-06	2.10e-05	0.0
245	47	-4.75e-03	2.03e-03	-0.03	-1.99e-05	2.78e-05	0.0
245	59	-1.32e-03	4.86e-03	-0.03	-2.27e-05	2.28e-05	0.0
245	69	5.31e-04	2.46e-04	-0.03	-1.27e-05	2.44e-05	0.0
245	71	6.82e-04	3.44e-04	-0.03	-1.77e-05	3.15e-05	0.0
245	73	5.61e-04	2.66e-04	-0.03	-1.37e-05	2.58e-05	0.0
245	74	5.31e-04	2.46e-04	-0.03	-1.27e-05	2.44e-05	0.0
246	2	4.72e-04	2.88e-04	-0.04	-1.50e-05	2.10e-05	0.0
246	14	0.01	-3.96e-03	-0.03	5.12e-06	-2.01e-05	0.0
246	27	-4.05e-03	0.01	-0.03	-3.92e-05	1.60e-05	0.0
246	46	5.35e-03	-1.46e-03	-0.03	-2.50e-06	-1.42e-06	0.0
246	59	-1.48e-03	4.52e-03	-0.03	-1.97e-05	1.35e-05	0.0
246	69	2.63e-04	1.41e-04	-0.03	-7.42e-06	1.15e-05	0.0
246	71	3.50e-04	2.11e-04	-0.03	-1.10e-05	1.55e-05	0.0
246	73	2.80e-04	1.55e-04	-0.03	-8.14e-06	1.23e-05	0.0
246	74	2.63e-04	1.41e-04	-0.03	-7.42e-06	1.15e-05	0.0
247	2	-2.39e-04	2.62e-04	-0.04	-1.37e-05	-1.39e-05	0.0
247	15	-0.01	3.85e-03	-0.03	-1.45e-05	2.17e-05	0.0
247	21	2.99e-03	0.01	-0.03	-4.63e-05	-2.42e-05	0.0
247	33	3.41e-03	8.75e-03	-0.03	-4.75e-05	-2.74e-05	0.0
247	47	-5.24e-03	1.58e-03	-0.03	-9.72e-06	3.28e-06	0.0
247	53	1.13e-03	4.32e-03	-0.03	-2.21e-05	-1.54e-05	0.0
247	65	1.29e-03	3.47e-03	-0.03	-2.26e-05	-1.66e-05	0.0
247	69	-1.64e-04	1.30e-04	-0.03	-6.82e-06	-9.41e-06	0.0
247	71	-1.81e-04	1.92e-04	-0.03	-1.00e-05	-1.05e-05	0.0
247	73	-1.67e-04	1.42e-04	-0.03	-7.46e-06	-9.64e-06	0.0
247	74	-1.64e-04	1.30e-04	-0.03	-6.82e-06	-9.41e-06	0.0
248	2	-6.19e-04	2.19e-04	-0.03	-1.09e-05	-1.61e-05	0.0
248	20	-0.01	-9.76e-03	-0.02	2.88e-05	-1.59e-05	0.0
248	31	-3.44e-03	0.02	-0.02	-8.56e-05	-1.97e-05	0.0
248	33	4.29e-03	0.02	-0.02	-9.14e-05	-1.35e-05	0.0
248	52	-5.71e-03	-3.77e-03	-0.02	7.69e-06	-1.15e-05	0.0
248	63	-1.62e-03	9.14e-03	-0.02	-3.67e-05	-1.28e-05	0.0
248	65	1.53e-03	9.14e-03	-0.02	-3.91e-05	-1.03e-05	0.0
248	69	-3.44e-04	1.21e-04	-0.02	-5.97e-06	-8.33e-06	0.0
248	71	-4.59e-04	1.62e-04	-0.02	-8.04e-06	-1.18e-05	0.0
248	73	-3.67e-04	1.29e-04	-0.02	-6.39e-06	-9.03e-06	0.0
248	74	-3.44e-04	1.21e-04	-0.02	-5.97e-06	-8.33e-06	0.0
249	2	-7.56e-04	4.53e-04	-0.04	-2.31e-05	-3.91e-05	0.0
249	15	-0.01	3.01e-03	-0.03	-1.37e-05	-1.63e-05	0.0
249	17	0.01	3.32e-03	-0.03	-3.99e-05	-3.45e-05	0.0
249	21	2.92e-03	0.01	-0.03	-6.13e-05	-2.96e-05	0.0
249	47	-5.74e-03	1.31e-03	-0.03	-1.27e-05	-2.11e-05	0.0
249	49	4.73e-03	1.44e-03	-0.03	-2.34e-05	-2.85e-05	0.0
249	53	9.18e-04	4.29e-03	-0.03	-3.15e-05	-2.65e-05	0.0
249	69	-4.72e-04	2.46e-04	-0.03	-1.26e-05	-2.44e-05	0.0
249	71	-5.67e-04	3.35e-04	-0.03	-1.71e-05	-2.93e-05	0.0
249	73	-4.91e-04	2.63e-04	-0.03	-1.35e-05	-2.54e-05	0.0
249	74	-4.72e-04	2.46e-04	-0.03	-1.26e-05	-2.44e-05	0.0
250	2	-6.61e-04	7.35e-04	-0.04	-3.67e-05	-3.36e-05	0.0
250	15	-0.01	3.19e-03	-0.03	-2.21e-05	-4.54e-05	0.0
250	21	3.25e-03	0.01	-0.03	-7.01e-05	-1.51e-05	0.0
250	33	3.91e-03	9.86e-03	-0.03	-7.45e-05	-1.27e-05	0.0
250	47	-5.94e-03	1.49e-03	-0.03	-2.11e-05	-3.07e-05	0.0
250	53	1.09e-03	4.29e-03	-0.03	-4.00e-05	-1.84e-05	0.0
250	65	1.35e-03	4.08e-03	-0.03	-4.17e-05	-1.75e-05	0.0
250	69	-4.07e-04	4.19e-04	-0.03	-2.09e-05	-2.07e-05	0.0
250	71	-4.95e-04	5.46e-04	-0.03	-2.72e-05	-2.51e-05	0.0

250	73	-4.25e-04	4.44e-04	-0.03	-2.21e-05	-2.16e-05	0.0
250	74	-4.07e-04	4.19e-04	-0.03	-2.09e-05	-2.07e-05	0.0
251	2	3.81e-05	8.62e-04	-0.05	-4.30e-05	2.98e-06	0.0
251	17	0.01	3.39e-03	-0.03	-3.97e-05	4.32e-05	0.0
251	23	-4.38e-03	0.01	-0.03	-7.51e-05	-1.17e-05	0.0
251	31	-3.75e-03	0.01	-0.03	-7.51e-05	-7.71e-06	0.0
251	49	5.68e-03	1.62e-03	-0.03	-3.05e-05	1.87e-05	0.0
251	55	-1.77e-03	4.23e-03	-0.03	-4.43e-05	-3.60e-06	0.0
251	63	-1.52e-03	4.25e-03	-0.03	-4.43e-05	-2.04e-06	0.0
251	69	2.56e-05	4.97e-04	-0.03	-2.48e-05	1.93e-06	0.0
251	71	2.88e-05	6.41e-04	-0.03	-3.20e-05	2.25e-06	0.0
251	73	2.62e-05	5.25e-04	-0.03	-2.62e-05	1.99e-06	0.0
251	74	2.56e-05	4.97e-04	-0.03	-2.48e-05	1.93e-06	0.0
252	2	7.42e-04	6.65e-04	-0.04	-3.32e-05	3.98e-05	0.0
252	15	-0.01	3.39e-03	-0.03	-4.55e-05	0.0	0.0
252	17	0.01	3.14e-03	-0.03	-2.01e-05	4.91e-05	0.0
252	31	-3.21e-03	0.01	-0.03	-6.66e-05	1.95e-05	0.0
252	47	-5.05e-03	1.55e-03	-0.03	-2.94e-05	1.50e-05	0.0
252	49	5.99e-03	1.44e-03	-0.03	-1.91e-05	3.46e-05	0.0
252	63	-1.04e-03	4.26e-03	-0.03	-3.74e-05	2.25e-05	0.0
252	69	4.61e-04	3.78e-04	-0.03	-1.88e-05	2.47e-05	0.0
252	71	5.56e-04	4.94e-04	-0.03	-2.46e-05	2.98e-05	0.0
252	73	4.80e-04	4.01e-04	-0.03	-2.00e-05	2.57e-05	0.0
252	74	4.61e-04	3.78e-04	-0.03	-1.88e-05	2.47e-05	0.0
253	2	8.15e-04	3.85e-04	-0.04	-1.97e-05	4.43e-05	0.0
253	15	-0.01	3.29e-03	-0.03	-3.68e-05	3.94e-05	0.0
253	17	0.01	2.95e-03	-0.03	-1.18e-05	1.80e-05	0.0
253	31	-2.90e-03	0.01	-0.03	-5.74e-05	3.33e-05	0.0
253	47	-4.67e-03	1.41e-03	-0.03	-2.10e-05	3.25e-05	0.0
253	49	5.76e-03	1.26e-03	-0.03	-1.08e-05	2.38e-05	0.0
253	63	-8.87e-04	4.27e-03	-0.03	-2.87e-05	3.00e-05	0.0
253	69	5.12e-04	2.06e-04	-0.03	-1.05e-05	2.77e-05	0.0
253	71	6.12e-04	2.84e-04	-0.03	-1.45e-05	3.32e-05	0.0
253	73	5.32e-04	2.22e-04	-0.03	-1.13e-05	2.88e-05	0.0
253	74	5.12e-04	2.06e-04	-0.03	-1.05e-05	2.77e-05	0.0
254	2	2.57e-04	2.16e-04	-0.04	-1.13e-05	1.71e-05	0.0
254	17	0.01	3.89e-03	-0.03	-1.27e-05	-2.17e-05	0.0
254	27	-3.38e-03	8.62e-03	-0.03	-4.39e-05	3.00e-05	0.0
254	31	-2.98e-03	0.01	-0.03	-4.27e-05	2.69e-05	0.0
254	49	5.24e-03	1.58e-03	-0.03	-8.12e-06	-2.06e-06	0.0
254	59	-1.27e-03	3.40e-03	-0.03	-2.03e-05	1.88e-05	0.0
254	63	-1.12e-03	4.32e-03	-0.03	-1.98e-05	1.77e-05	0.0
254	69	1.77e-04	1.02e-04	-0.03	-5.37e-06	1.15e-05	0.0
254	71	1.95e-04	1.57e-04	-0.03	-8.24e-06	1.30e-05	0.0
254	73	1.81e-04	1.13e-04	-0.03	-5.95e-06	1.18e-05	0.0
254	74	1.77e-04	1.02e-04	-0.03	-5.37e-06	1.15e-05	0.0
255	2	-5.12e-04	2.36e-04	-0.04	-1.24e-05	-2.06e-05	0.0
255	20	-0.01	-4.08e-03	-0.02	5.99e-06	2.26e-05	0.0
255	33	4.01e-03	0.01	-0.03	-3.54e-05	-1.69e-05	0.0
255	52	-5.35e-03	-1.53e-03	-0.03	-1.15e-06	2.53e-06	0.0
255	65	1.45e-03	4.53e-03	-0.03	-1.72e-05	-1.37e-05	0.0
255	69	-2.87e-04	1.08e-04	-0.03	-5.76e-06	-1.13e-05	0.0
255	71	-3.80e-04	1.72e-04	-0.03	-9.02e-06	-1.53e-05	0.0
255	73	-3.05e-04	1.21e-04	-0.03	-6.41e-06	-1.21e-05	0.0
255	74	-2.87e-04	1.08e-04	-0.03	-5.76e-06	-1.13e-05	0.0
256	2	1.24e-03	3.64e-04	-0.04	-1.85e-05	7.47e-05	0.0
256	11	-0.01	7.22e-03	-0.03	-2.92e-05	4.58e-05	0.0
256	17	0.01	7.06e-03	-0.02	-4.07e-06	3.84e-05	0.0
256	31	-2.43e-03	0.02	-0.03	-3.64e-05	3.65e-05	0.0
256	43	-4.33e-03	2.95e-03	-0.03	-1.75e-05	4.57e-05	0.0
256	49	6.04e-03	2.89e-03	-0.02	-7.23e-06	4.27e-05	0.0
256	63	-5.53e-04	6.74e-03	-0.03	-2.01e-05	4.20e-05	0.0
256	69	7.60e-04	1.89e-04	-0.03	-9.65e-06	4.55e-05	0.0
256	71	9.27e-04	2.68e-04	-0.03	-1.36e-05	5.59e-05	0.0
256	73	7.93e-04	2.05e-04	-0.03	-1.05e-05	4.76e-05	0.0
256	74	7.60e-04	1.89e-04	-0.03	-9.65e-06	4.55e-05	0.0

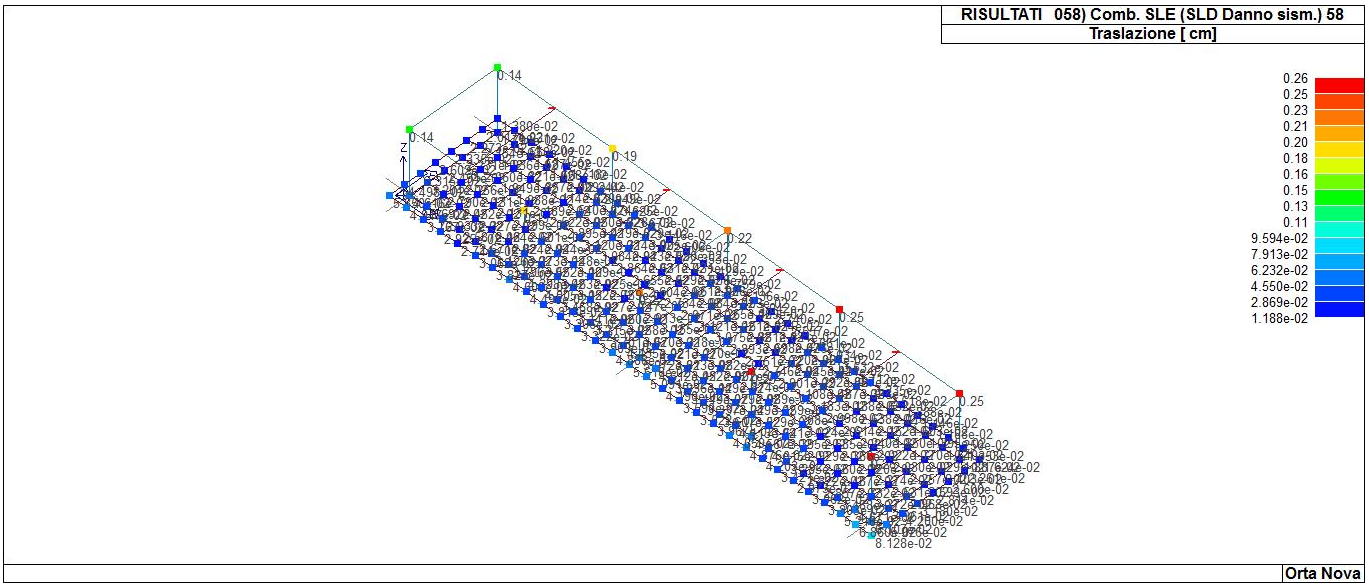
Nodo	**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
	-0.30	-0.65	-0.14	-2.16e-03	-5.91e-04	-1.41e-04
	0.30	0.65	0.03	2.16e-03	5.49e-04	1.41e-04



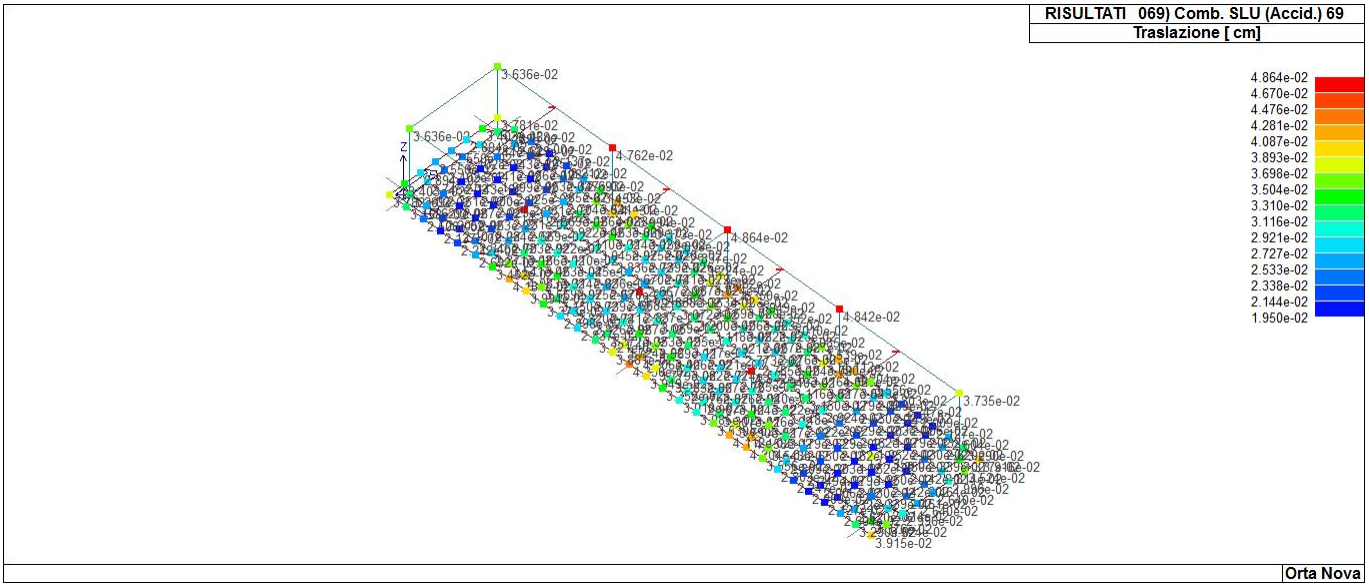
41_RIS_SPOSTAMENTI_002_Comb. SLU A1 2



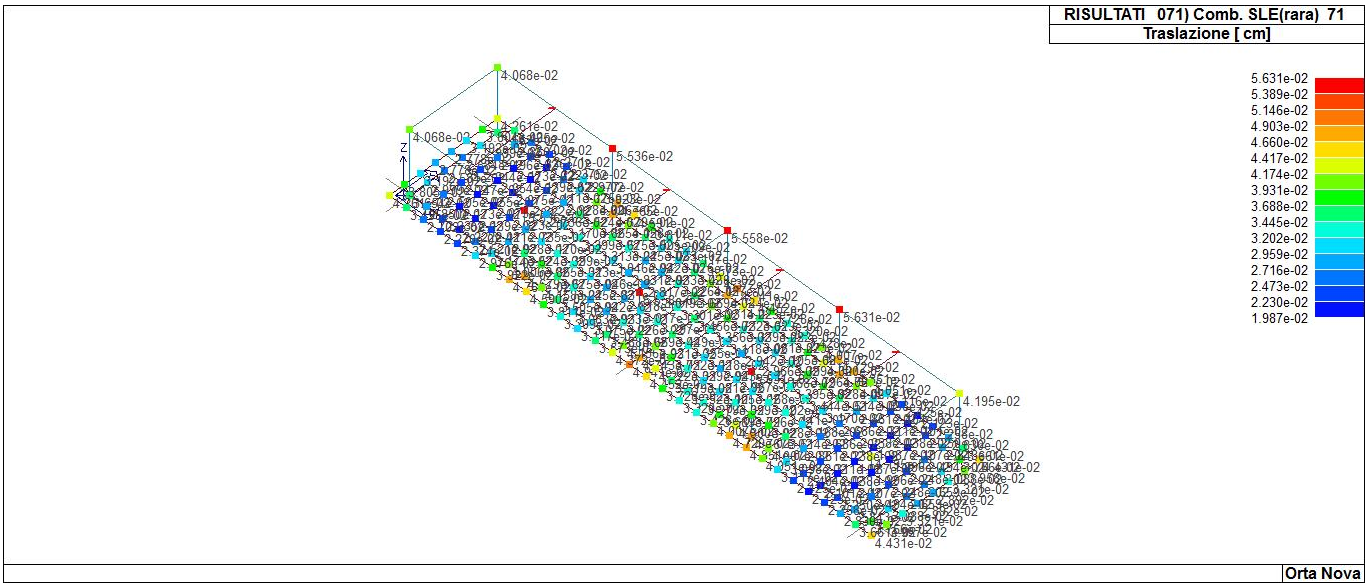
41_RIS_SPOSTAMENTI_026_Comb. SLU A1 (SLV sism.) 26



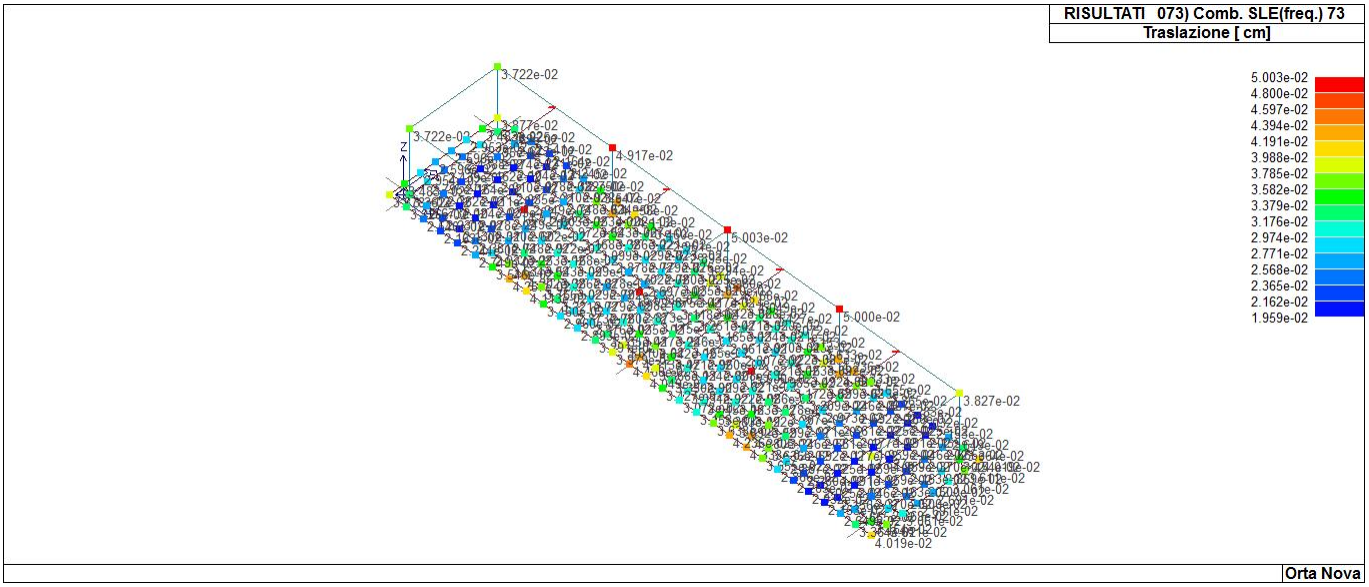
41_RIS_SPOSTAMENTI_058_Comb. SLE (SLD Danno sism.) 58



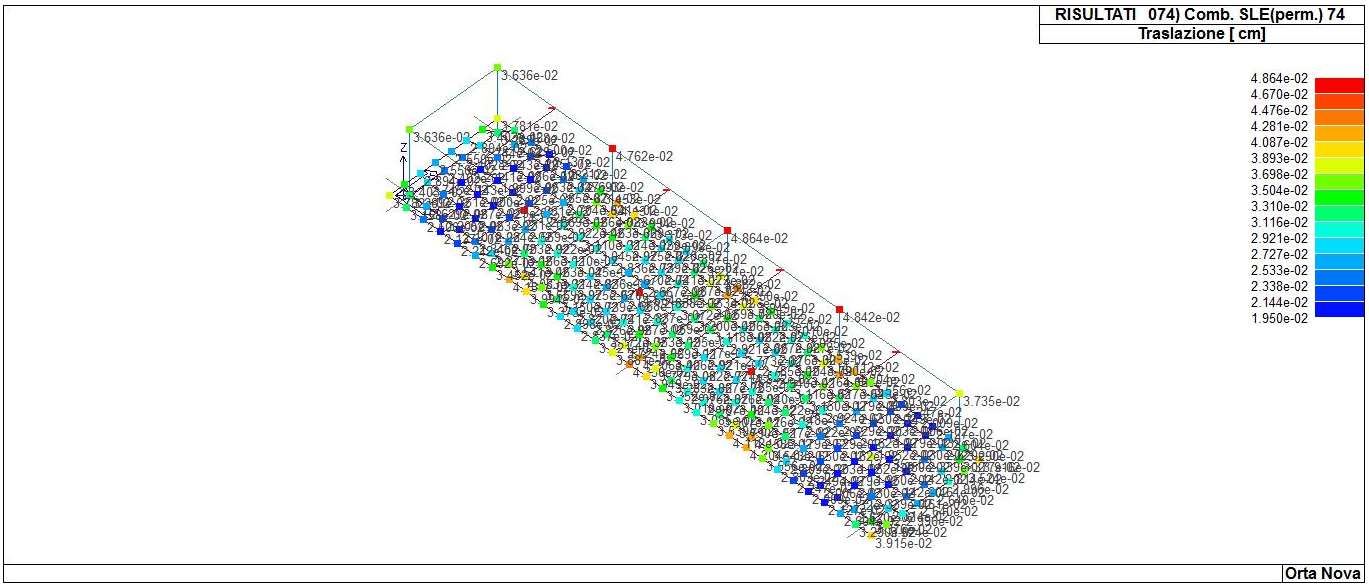
41_RIS_SPOSTAMENTI_069_Comb. SLU (Accid.) 69



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.

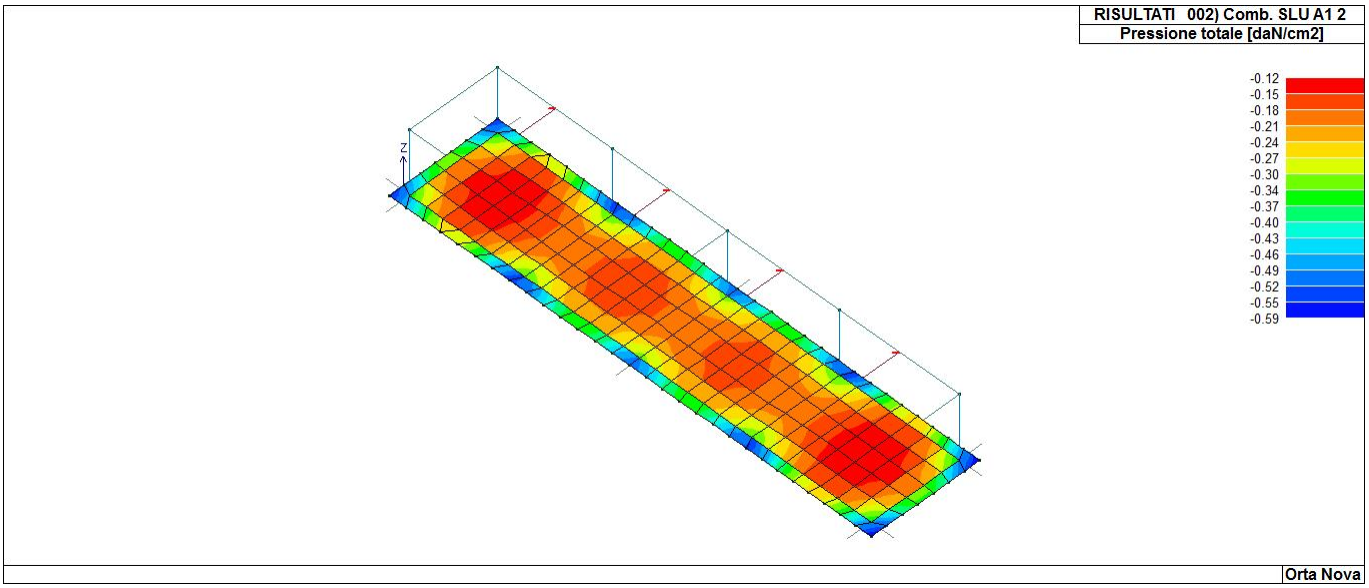
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.48	-0.97	-0.58	-0.33	-0.36	-0.34	-0.33				
3	-0.48	-0.97	-0.58	-0.33	-0.36	-0.34	-0.33				
5	-0.54	-0.43	-0.39	-0.35	-0.41	-0.37	-0.35				
7	-0.54	-0.43	-0.39	-0.35	-0.41	-0.37	-0.35				
9	-0.50	-0.50	-0.40	-0.33	-0.38	-0.34	-0.33				
11	-0.50	-0.50	-0.40	-0.33	-0.38	-0.34	-0.33				
13	-0.55	-0.44	-0.39	-0.36	-0.41	-0.37	-0.36				
15	-0.55	-0.44	-0.39	-0.36	-0.41	-0.37	-0.36				
17	-0.50	-0.99	-0.59	-0.34	-0.38	-0.34	-0.34				
19	-0.50	-0.99	-0.59	-0.34	-0.38	-0.34	-0.34				
21	-0.59	-1.43	-0.80	-0.39	-0.44	-0.40	-0.39				
22	-0.56	-0.51	-0.42	-0.37	-0.42	-0.38	-0.37				
23	-0.52	-0.60	-0.44	-0.34	-0.39	-0.35	-0.34				
24	-0.55	-0.50	-0.41	-0.36	-0.41	-0.37	-0.36				
25	-0.56	-1.41	-0.78	-0.38	-0.43	-0.39	-0.38				
26	-0.56	-1.41	-0.78	-0.38	-0.43	-0.39	-0.38				
27	-0.55	-0.50	-0.41	-0.36	-0.41	-0.37	-0.36				
28	-0.52	-0.60	-0.44	-0.34	-0.39	-0.35	-0.34				
29	-0.56	-0.51	-0.42	-0.37	-0.42	-0.38	-0.37				
30	-0.59	-1.43	-0.80	-0.39	-0.44	-0.40	-0.39				
31	-0.48	-0.42	-0.36	-0.32	-0.36	-0.33	-0.32				
32	-0.38	-0.37	-0.30	-0.26	-0.29	-0.27	-0.26				
33	-0.31	-0.34	-0.27	-0.22	-0.23	-0.22	-0.22				
34	-0.27	-0.38	-0.27	-0.20	-0.21	-0.20	-0.20				
35	-0.29	-0.52	-0.33	-0.21	-0.22	-0.21	-0.21				
36	-0.37	-0.75	-0.45	-0.26	-0.28	-0.27	-0.26				
37	-0.39	-0.51	-0.37	-0.27	-0.30	-0.28	-0.27				
38	-0.32	-0.31	-0.26	-0.23	-0.24	-0.23	-0.23				
39	-0.32	-0.31	-0.26	-0.23	-0.24	-0.23	-0.23				
40	-0.39	-0.51	-0.37	-0.27	-0.30	-0.28	-0.27				
41	-0.37	-0.75	-0.45	-0.26	-0.28	-0.27	-0.26				
42	-0.29	-0.52	-0.33	-0.21	-0.22	-0.21	-0.21				
43	-0.27	-0.38	-0.27	-0.20	-0.21	-0.20	-0.20				
44	-0.31	-0.34	-0.27	-0.22	-0.23	-0.22	-0.22				
45	-0.38	-0.37	-0.30	-0.26	-0.29	-0.27	-0.26				
46	-0.48	-0.42	-0.36	-0.32	-0.36	-0.33	-0.32				
47	-0.47	-0.40	-0.35	-0.31	-0.35	-0.32	-0.31				
48	-0.39	-0.35	-0.30	-0.27	-0.30	-0.27	-0.27				
49	-0.35	-0.32	-0.27	-0.24	-0.26	-0.25	-0.24				
50	-0.35	-0.33	-0.28	-0.24	-0.26	-0.25	-0.24				
51	-0.38	-0.40	-0.32	-0.26	-0.29	-0.27	-0.26				
52	-0.44	-0.47	-0.36	-0.30	-0.33	-0.30	-0.30				
53	-0.44	-0.47	-0.37	-0.30	-0.34	-0.31	-0.30				
54	-0.38	-0.40	-0.32	-0.26	-0.29	-0.27	-0.26				
55	-0.34	-0.33	-0.27	-0.24	-0.26	-0.24	-0.24				
56	-0.35	-0.31	-0.27	-0.24	-0.26	-0.24	-0.24				
57	-0.39	-0.35	-0.30	-0.26	-0.30	-0.27	-0.26				
58	-0.47	-0.40	-0.35	-0.31	-0.35	-0.32	-0.31				
59	-0.48	-0.42	-0.36	-0.32	-0.36	-0.33	-0.32				
60	-0.38	-0.35	-0.30	-0.26	-0.29	-0.27	-0.26				
61	-0.30	-0.32	-0.25	-0.21	-0.22	-0.21	-0.21				
62	-0.26	-0.36	-0.26	-0.19	-0.20	-0.19	-0.19				
63	-0.28	-0.50	-0.32	-0.20	-0.22	-0.21	-0.20				
64	-0.37	-0.74	-0.45	-0.26	-0.28	-0.27	-0.26				
65	-0.41	-0.52	-0.37	-0.28	-0.31	-0.29	-0.28				
66	-0.33	-0.31	-0.26	-0.23	-0.25	-0.23	-0.23				
67	-0.33	-0.31	-0.26	-0.23	-0.25	-0.23	-0.23				
68	-0.41	-0.52	-0.37	-0.28	-0.31	-0.29	-0.28				
69	-0.37	-0.74	-0.45	-0.26	-0.28	-0.27	-0.26				
70	-0.28	-0.50	-0.32	-0.20	-0.22	-0.21	-0.20				
71	-0.26	-0.36	-0.26	-0.19	-0.20	-0.19	-0.19				
72	-0.30	-0.32	-0.25	-0.21	-0.22	-0.21	-0.21				
73	-0.38	-0.35	-0.30	-0.26	-0.29	-0.27	-0.26				
74	-0.48	-0.42	-0.36	-0.32	-0.36	-0.33	-0.32				
75	-0.47	-0.40	-0.35	-0.31	-0.35	-0.32	-0.31				
76	-0.39	-0.35	-0.30	-0.26	-0.30	-0.27	-0.26				
77	-0.35	-0.31	-0.27	-0.24	-0.26	-0.24	-0.24				
78	-0.34	-0.33	-0.27	-0.24	-0.26	-0.24	-0.24				
79	-0.38	-0.40	-0.32	-0.26	-0.29	-0.27	-0.26				
80	-0.44	-0.47	-0.37	-0.30	-0.34	-0.31	-0.30				
81	-0.44	-0.47	-0.36	-0.30	-0.33	-0.30	-0.30				
82	-0.38	-0.40	-0.32	-0.26	-0.29	-0.27	-0.26				
83	-0.35	-0.33	-0.28	-0.24	-0.26	-0.25	-0.24				

84	-0.35	-0.32	-0.27	-0.24	-0.26	-0.25	-0.24
85	-0.39	-0.35	-0.30	-0.27	-0.30	-0.27	-0.27
86	-0.47	-0.40	-0.35	-0.31	-0.35	-0.32	-0.31
87	-0.48	-1.21	-0.67	-0.33	-0.37	-0.34	-0.33
88	-0.37	-0.89	-0.50	-0.26	-0.28	-0.26	-0.26
89	-0.28	-0.59	-0.35	-0.20	-0.22	-0.21	-0.20
90	-0.26	-0.41	-0.28	-0.19	-0.20	-0.19	-0.19
91	-0.30	-0.36	-0.27	-0.21	-0.23	-0.21	-0.21
92	-0.38	-0.39	-0.31	-0.26	-0.29	-0.26	-0.26
93	-0.49	-0.46	-0.38	-0.32	-0.37	-0.33	-0.32
94	-0.51	-0.47	-0.39	-0.34	-0.39	-0.35	-0.34
95	-0.42	-0.40	-0.33	-0.28	-0.32	-0.29	-0.28
96	-0.36	-0.35	-0.29	-0.25	-0.28	-0.25	-0.25
97	-0.35	-0.36	-0.29	-0.24	-0.27	-0.25	-0.24
98	-0.39	-0.44	-0.34	-0.27	-0.30	-0.27	-0.27
99	-0.47	-0.55	-0.41	-0.31	-0.35	-0.32	-0.31
100	-0.46	-0.55	-0.40	-0.31	-0.35	-0.32	-0.31
101	-0.39	-0.44	-0.33	-0.27	-0.30	-0.27	-0.27
102	-0.35	-0.36	-0.29	-0.24	-0.27	-0.25	-0.24
103	-0.36	-0.35	-0.29	-0.25	-0.27	-0.25	-0.25
104	-0.43	-0.41	-0.33	-0.29	-0.32	-0.29	-0.29
105	-0.51	-0.48	-0.39	-0.34	-0.39	-0.35	-0.34
106	-0.47	-0.45	-0.37	-0.31	-0.35	-0.32	-0.31
107	-0.36	-0.39	-0.30	-0.25	-0.27	-0.25	-0.25
108	-0.29	-0.40	-0.28	-0.21	-0.22	-0.21	-0.21
109	-0.29	-0.54	-0.33	-0.20	-0.22	-0.21	-0.20
110	-0.35	-0.83	-0.47	-0.25	-0.27	-0.25	-0.25
111	-0.46	-1.17	-0.65	-0.32	-0.35	-0.32	-0.32
112	-0.50	-0.91	-0.56	-0.34	-0.38	-0.35	-0.34
113	-0.42	-0.53	-0.38	-0.29	-0.32	-0.29	-0.29
114	-0.34	-0.36	-0.29	-0.24	-0.26	-0.24	-0.24
115	-0.34	-0.36	-0.29	-0.24	-0.26	-0.24	-0.24
116	-0.42	-0.53	-0.38	-0.29	-0.32	-0.29	-0.29
117	-0.50	-0.91	-0.56	-0.34	-0.38	-0.35	-0.34
118	-0.46	-1.17	-0.65	-0.32	-0.35	-0.32	-0.32
119	-0.35	-0.83	-0.47	-0.25	-0.27	-0.25	-0.25
120	-0.29	-0.54	-0.33	-0.21	-0.22	-0.21	-0.21
121	-0.29	-0.40	-0.28	-0.21	-0.22	-0.21	-0.21
122	-0.36	-0.39	-0.30	-0.25	-0.27	-0.25	-0.25
123	-0.47	-0.45	-0.37	-0.31	-0.35	-0.32	-0.31
124	-0.51	-0.48	-0.39	-0.34	-0.39	-0.35	-0.34
125	-0.43	-0.41	-0.33	-0.29	-0.32	-0.29	-0.29
126	-0.36	-0.35	-0.29	-0.25	-0.27	-0.25	-0.25
127	-0.35	-0.36	-0.29	-0.24	-0.27	-0.25	-0.24
128	-0.39	-0.44	-0.33	-0.27	-0.30	-0.27	-0.27
129	-0.46	-0.55	-0.40	-0.31	-0.35	-0.32	-0.31
130	-0.47	-0.55	-0.41	-0.31	-0.35	-0.32	-0.31
131	-0.39	-0.44	-0.34	-0.27	-0.30	-0.27	-0.27
132	-0.35	-0.36	-0.29	-0.24	-0.27	-0.25	-0.24
133	-0.36	-0.35	-0.29	-0.25	-0.28	-0.25	-0.25
134	-0.42	-0.40	-0.33	-0.28	-0.32	-0.29	-0.28
135	-0.51	-0.47	-0.39	-0.34	-0.39	-0.35	-0.34
136	-0.49	-0.46	-0.38	-0.32	-0.37	-0.33	-0.32
137	-0.38	-0.39	-0.31	-0.26	-0.29	-0.26	-0.26
138	-0.30	-0.36	-0.27	-0.21	-0.23	-0.21	-0.21
139	-0.26	-0.41	-0.28	-0.19	-0.20	-0.19	-0.19
140	-0.28	-0.59	-0.35	-0.20	-0.22	-0.21	-0.20
141	-0.37	-0.89	-0.50	-0.26	-0.28	-0.26	-0.26
142	-0.48	-1.21	-0.67	-0.33	-0.37	-0.34	-0.33
143	-0.52	-0.93	-0.58	-0.35	-0.40	-0.36	-0.35
144	-0.44	-0.54	-0.40	-0.30	-0.33	-0.31	-0.30
145	-0.36	-0.36	-0.29	-0.25	-0.27	-0.25	-0.25
146	-0.36	-0.36	-0.29	-0.25	-0.27	-0.25	-0.25
147	-0.44	-0.54	-0.40	-0.30	-0.33	-0.31	-0.30
148	-0.52	-0.93	-0.58	-0.35	-0.40	-0.36	-0.35
149	-0.13	-0.11	-0.10	-0.10	-0.10	-0.10	-0.10
150	-0.18	-0.14	-0.13	-0.13	-0.13	-0.13	-0.13
151	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
152	-0.19	-0.15	-0.14	-0.13	-0.15	-0.14	-0.13
153	-0.20	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
154	-0.27	-0.21	-0.19	-0.18	-0.20	-0.18	-0.18
155	-0.28	-0.20	-0.19	-0.19	-0.21	-0.20	-0.19
156	-0.26	-0.21	-0.19	-0.18	-0.19	-0.18	-0.18
157	-0.23	-0.19	-0.17	-0.16	-0.18	-0.16	-0.16
158	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
159	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15

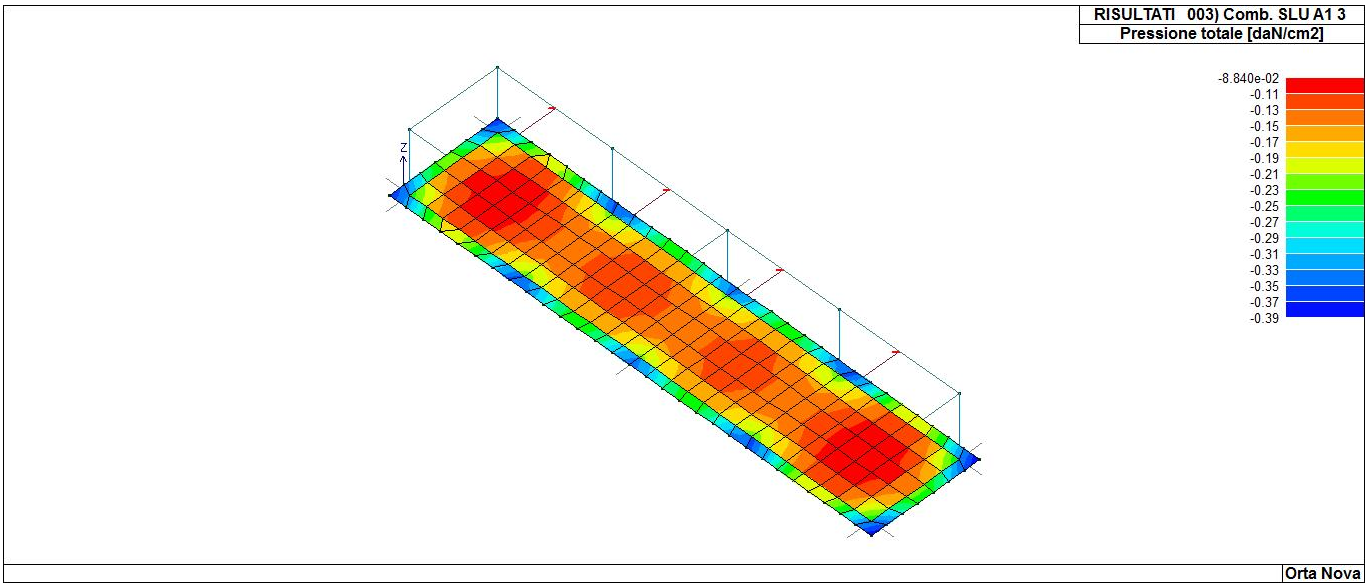
160	-0.17	-0.16	-0.14	-0.13	-0.13	-0.13	-0.13
161	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
162	-0.16	-0.17	-0.14	-0.12	-0.12	-0.12	-0.12
163	-0.23	-0.21	-0.18	-0.16	-0.17	-0.16	-0.16
164	-0.17	-0.22	-0.16	-0.13	-0.13	-0.13	-0.13
165	-0.25	-0.23	-0.20	-0.18	-0.19	-0.18	-0.18
166	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
167	-0.27	-0.23	-0.20	-0.18	-0.20	-0.19	-0.18
168	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
169	-0.23	-0.21	-0.18	-0.16	-0.17	-0.16	-0.16
170	-0.18	-0.16	-0.14	-0.13	-0.14	-0.14	-0.13
171	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
172	-0.18	-0.16	-0.14	-0.13	-0.14	-0.14	-0.13
173	-0.21	-0.17	-0.16	-0.15	-0.16	-0.15	-0.15
174	-0.24	-0.31	-0.22	-0.17	-0.18	-0.17	-0.17
175	-0.23	-0.19	-0.17	-0.16	-0.18	-0.16	-0.16
176	-0.26	-0.21	-0.19	-0.18	-0.20	-0.18	-0.18
177	-0.28	-0.20	-0.19	-0.19	-0.21	-0.19	-0.19
178	-0.17	-0.22	-0.16	-0.13	-0.13	-0.13	-0.13
179	-0.26	-0.20	-0.19	-0.18	-0.19	-0.18	-0.18
180	-0.16	-0.17	-0.14	-0.12	-0.12	-0.12	-0.12
181	-0.22	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
182	-0.17	-0.16	-0.14	-0.13	-0.13	-0.13	-0.13
183	-0.18	-0.17	-0.14	-0.13	-0.14	-0.13	-0.13
184	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
185	-0.26	-0.21	-0.19	-0.18	-0.19	-0.18	-0.18
186	-0.28	-0.20	-0.19	-0.19	-0.21	-0.20	-0.19
187	-0.24	-0.31	-0.23	-0.17	-0.18	-0.18	-0.17
188	-0.27	-0.21	-0.19	-0.18	-0.20	-0.18	-0.18
189	-0.23	-0.19	-0.17	-0.16	-0.18	-0.16	-0.16
190	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
191	-0.18	-0.16	-0.15	-0.13	-0.14	-0.14	-0.13
192	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
193	-0.18	-0.16	-0.15	-0.13	-0.14	-0.14	-0.13
194	-0.23	-0.21	-0.18	-0.16	-0.17	-0.16	-0.16
195	-0.24	-0.31	-0.23	-0.17	-0.18	-0.18	-0.17
196	-0.25	-0.23	-0.20	-0.18	-0.19	-0.18	-0.18
197	-0.27	-0.23	-0.20	-0.18	-0.20	-0.19	-0.18
198	-0.25	-0.23	-0.19	-0.17	-0.19	-0.18	-0.17
199	-0.23	-0.21	-0.18	-0.16	-0.17	-0.16	-0.16
200	-0.21	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
201	-0.18	-0.17	-0.14	-0.13	-0.14	-0.13	-0.13
202	-0.21	-0.17	-0.16	-0.15	-0.16	-0.15	-0.15
203	-0.22	-0.18	-0.16	-0.15	-0.16	-0.15	-0.15
204	-0.23	-0.19	-0.17	-0.16	-0.18	-0.16	-0.16
205	-0.26	-0.20	-0.19	-0.18	-0.19	-0.18	-0.18
206	-0.26	-0.21	-0.19	-0.18	-0.20	-0.18	-0.18
207	-0.28	-0.20	-0.19	-0.19	-0.21	-0.19	-0.19
208	-0.17	-0.18	-0.15	-0.12	-0.13	-0.12	-0.12
209	-0.18	-0.23	-0.17	-0.13	-0.14	-0.13	-0.13
210	-0.14	-0.12	-0.11	-0.10	-0.11	-0.10	-0.10
211	-0.18	-0.23	-0.17	-0.13	-0.14	-0.13	-0.13
212	-0.17	-0.18	-0.15	-0.12	-0.13	-0.12	-0.12
213	-0.18	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
214	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
215	-0.20	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
216	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
217	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12
218	-0.17	-0.13	-0.13	-0.12	-0.13	-0.12	-0.12
219	-0.14	-0.11	-0.11	-0.10	-0.10	-0.10	-0.10
220	-0.17	-0.13	-0.13	-0.12	-0.13	-0.12	-0.12
221	-0.13	-0.11	-0.10	-0.09	-0.10	-0.09	-0.09
222	-0.18	-0.15	-0.14	-0.13	-0.14	-0.13	-0.13
223	-0.14	-0.12	-0.11	-0.10	-0.10	-0.10	-0.10
224	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
225	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
226	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14	-0.13
227	-0.17	-0.14	-0.13	-0.13	-0.13	-0.13	-0.13
228	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12
229	-0.14	-0.12	-0.11	-0.10	-0.10	-0.10	-0.10
230	-0.16	-0.13	-0.12	-0.12	-0.13	-0.12	-0.12
231	-0.18	-0.14	-0.13	-0.13	-0.13	-0.13	-0.13
232	-0.19	-0.15	-0.14	-0.13	-0.15	-0.14	-0.13
233	-0.20	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
234	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
235	-0.13	-0.11	-0.10	-0.09	-0.10	-0.09	-0.09

236	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12
237	-0.14	-0.11	-0.11	-0.10	-0.10	-0.10	-0.10
238	-0.14	-0.12	-0.11	-0.10	-0.11	-0.10	-0.10
239	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12
240	-0.13	-0.11	-0.10	-0.10	-0.10	-0.10	-0.10
241	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
242	-0.20	-0.14	-0.14	-0.14	-0.15	-0.14	-0.14
243	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
244	-0.14	-0.13	-0.11	-0.11	-0.11	-0.11	-0.11
245	-0.18	-0.14	-0.14	-0.13	-0.14	-0.13	-0.13
246	-0.17	-0.13	-0.13	-0.12	-0.13	-0.12	-0.12
247	-0.17	-0.13	-0.13	-0.12	-0.13	-0.12	-0.12
248	-0.14	-0.13	-0.11	-0.11	-0.11	-0.11	-0.11
249	-0.18	-0.15	-0.14	-0.13	-0.14	-0.13	-0.13
250	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
251	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14	-0.14
252	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14	-0.13
253	-0.17	-0.14	-0.13	-0.13	-0.13	-0.13	-0.13
254	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12
255	-0.16	-0.13	-0.12	-0.12	-0.13	-0.12	-0.12
256	-0.16	-0.13	-0.12	-0.12	-0.12	-0.12	-0.12

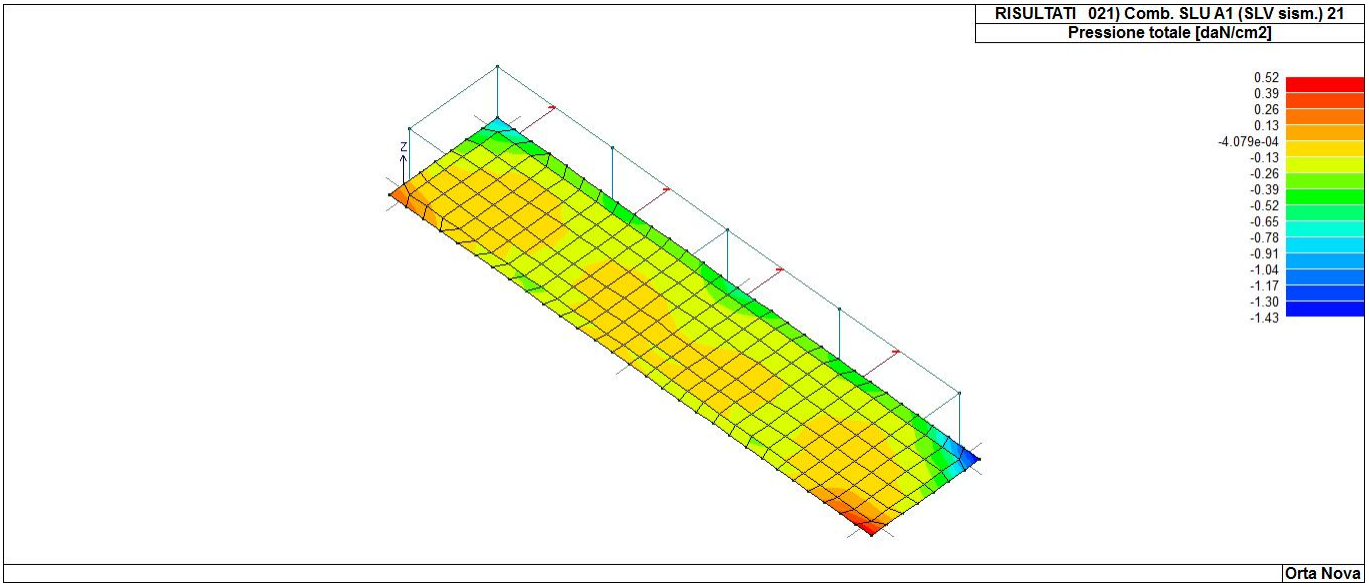
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-1.43			
	-0.09			



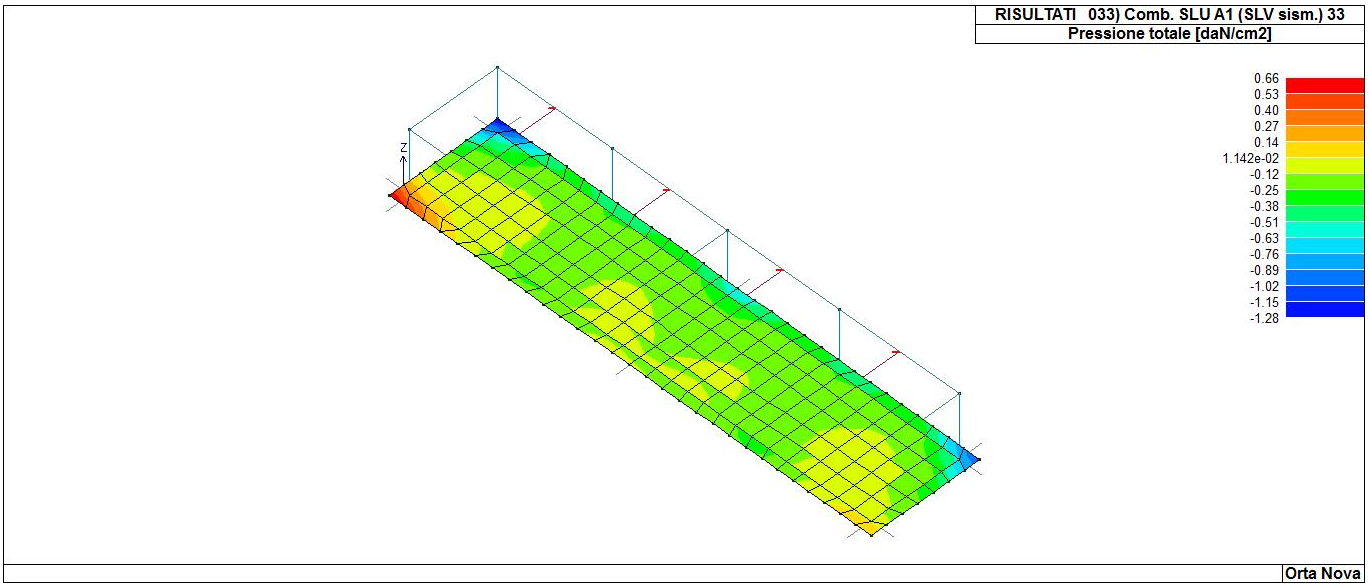
46_RIS_PRESSIONI_002_Comb. SLU A1 2



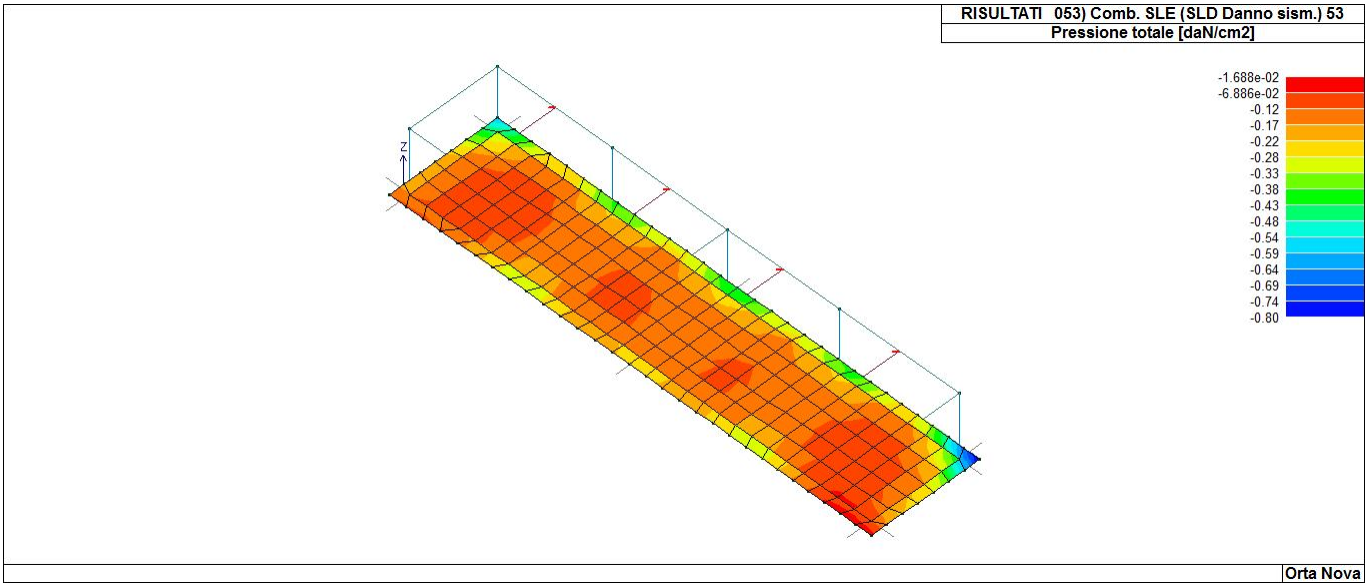
46_RIS_PRESSIONI_003_Comb. SLU A1 3



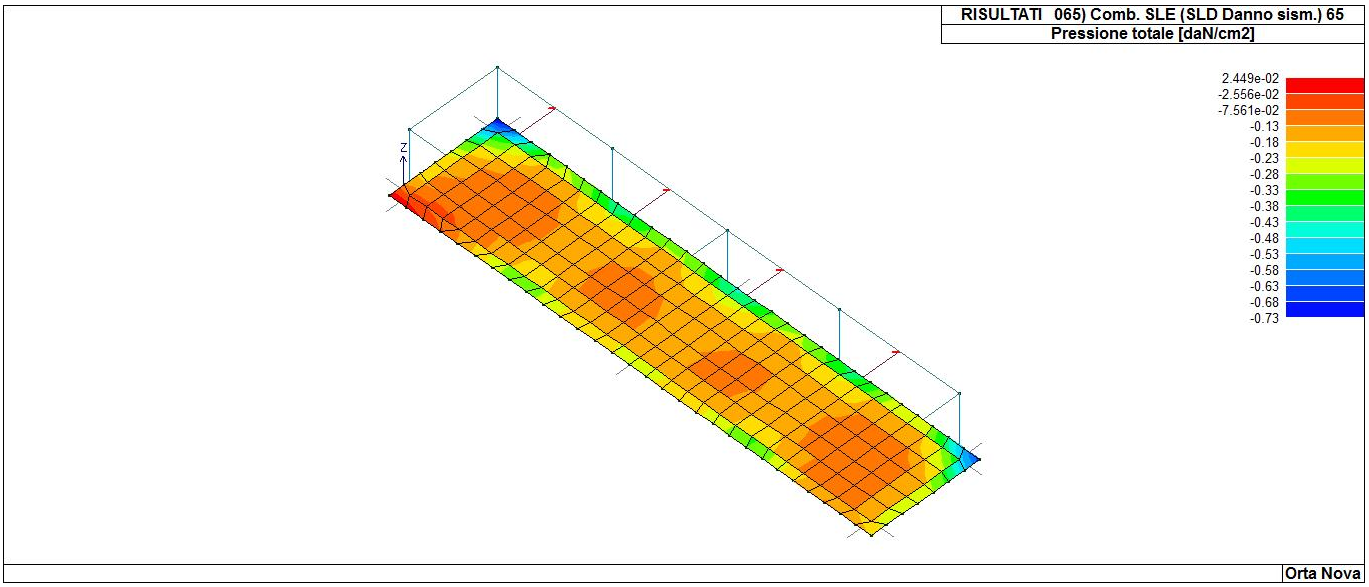
46_RIS_PRESSIONI_021_Comb. SLU A1 (SLV sism.) 21



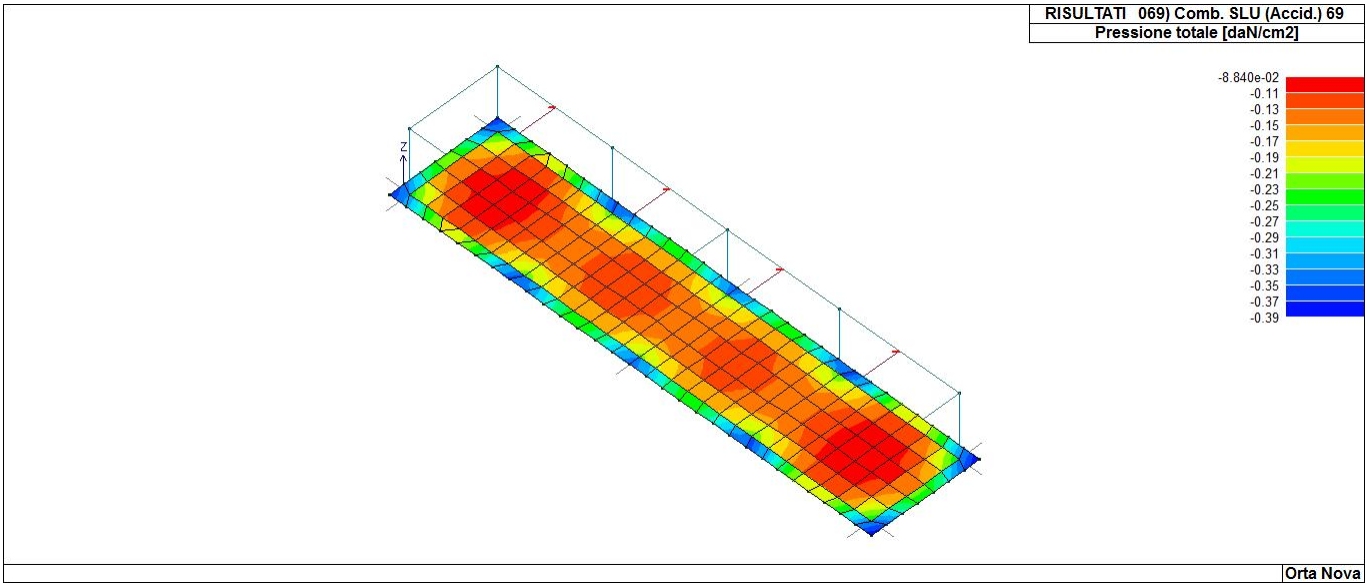
46_RIS_PRESSIONI_033_Comb. SLU A1 (SLV sism.) 33



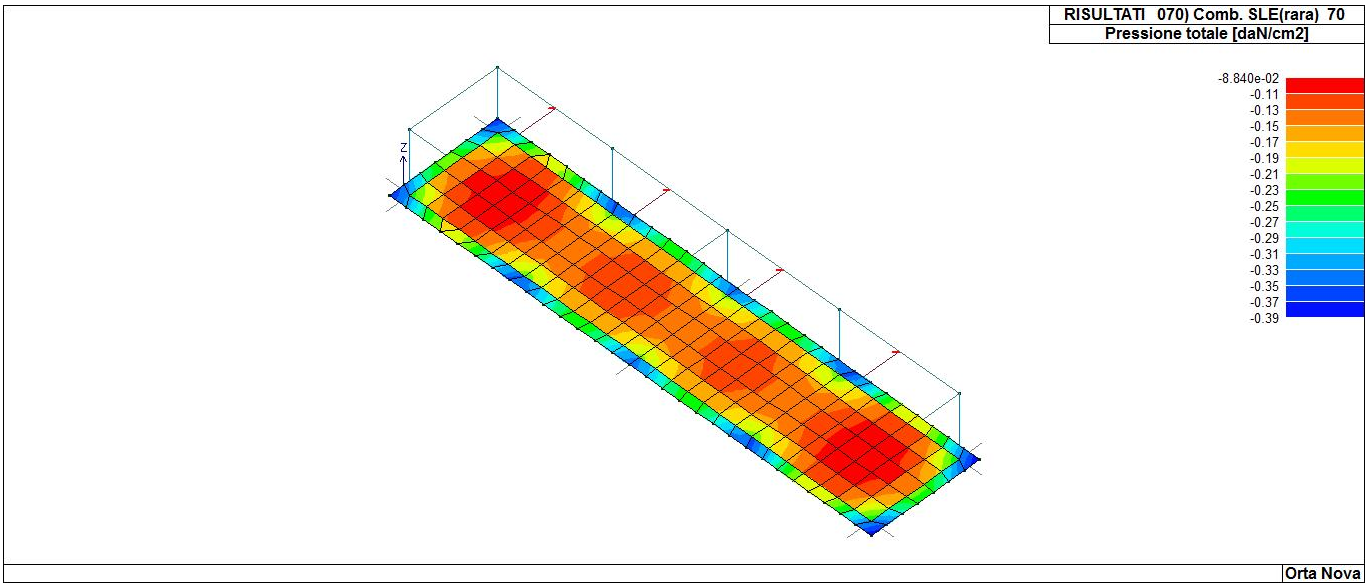
46_RIS_PRESSIONI_053_Comb. SLE (SLD Danno sism.) 53



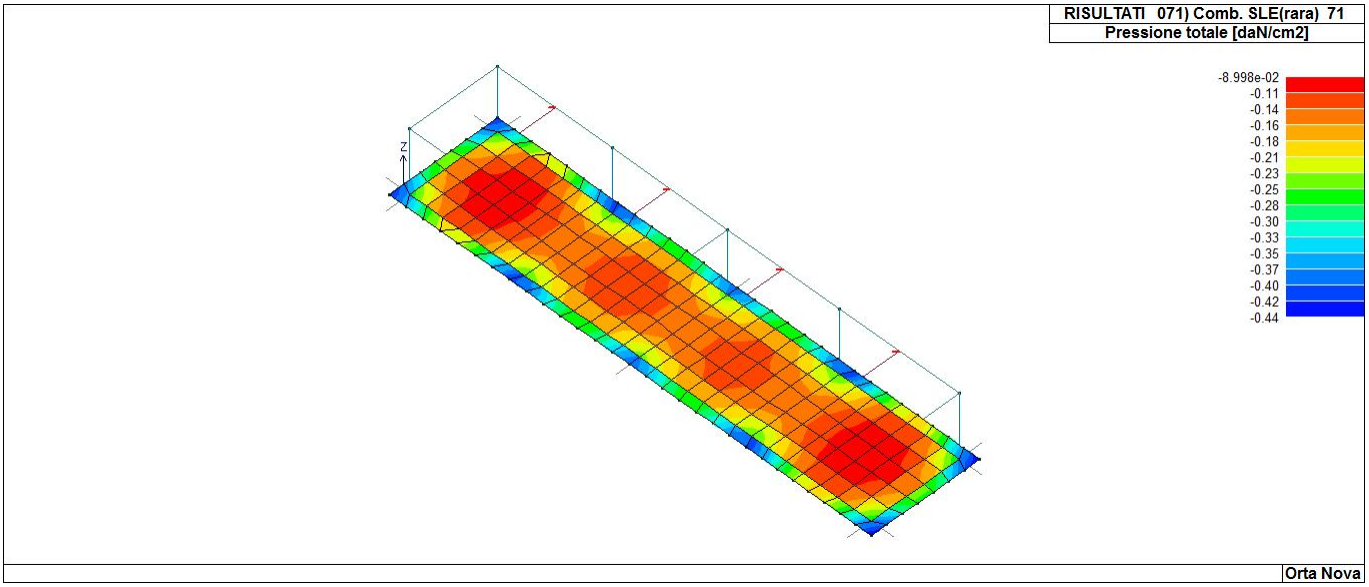
46_RIS_PRESSIONI_065_Comb. SLE (SLD Danno sism.) 65



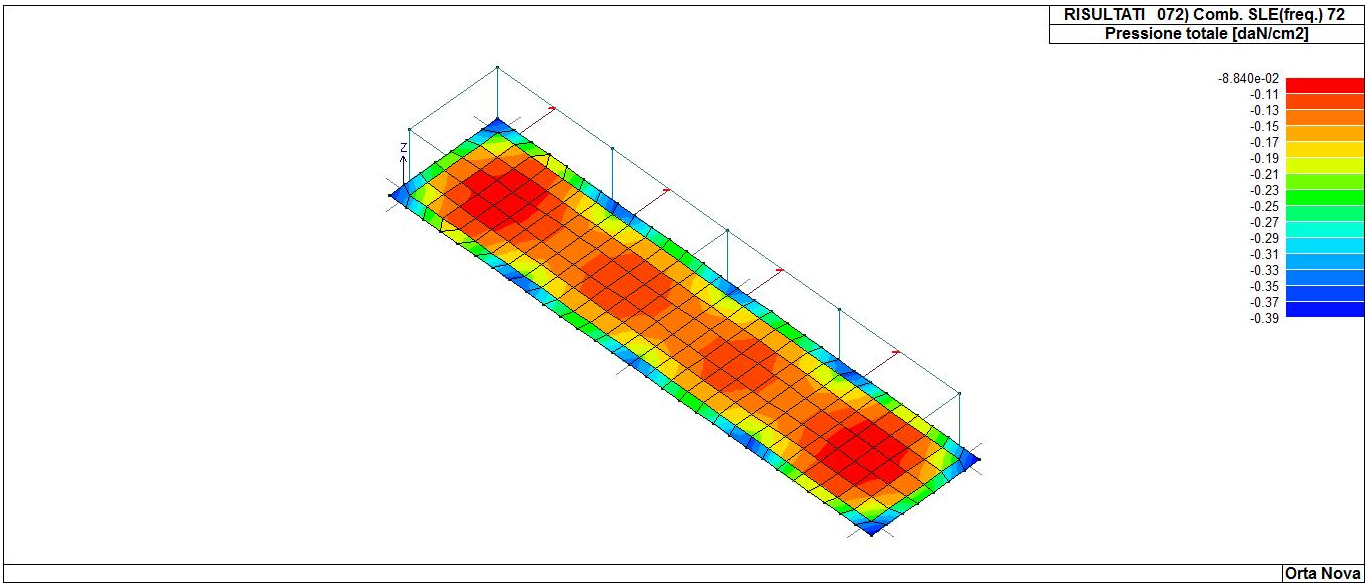
46_RIS_PRESSIONI_069_Comb. SLU (Accid.) 69



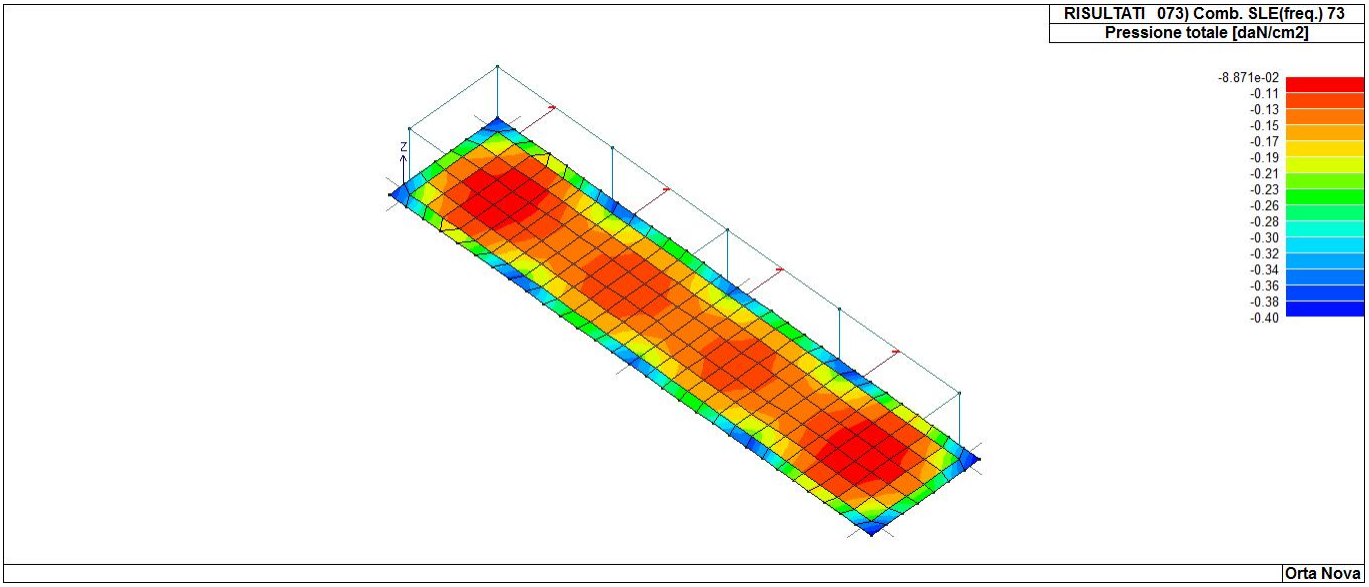
46_RIS_PRESSIONI_070_Comb. SLE(rara) 70



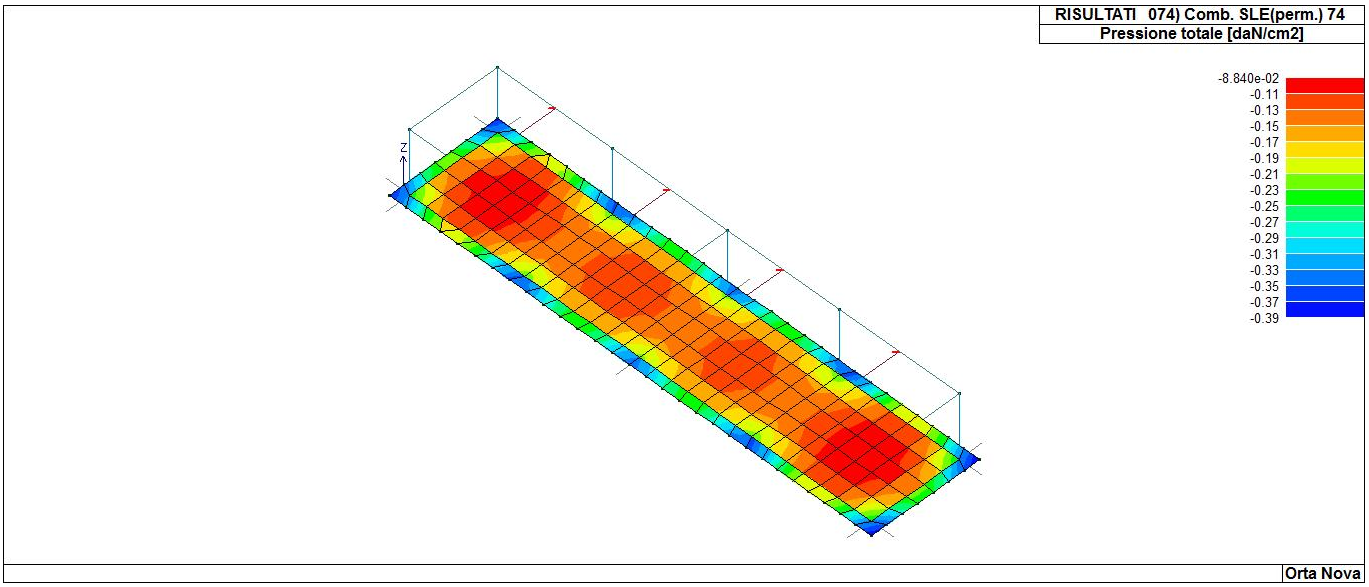
46_RIS_PRESSIONI_071_Comb. SLE(rara) 71



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**

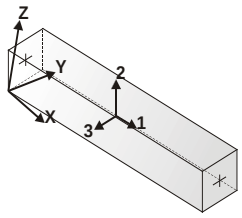
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

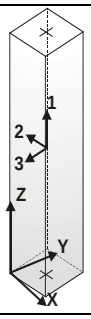
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / 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	2	4.904e+04	-3.646e+04	0.02	0.0	0.0	-9036.66	-744.07	22.44	88.66	-4.364e+04	4.904e+04
		-1.891e+05	-4.364e+04	4.63e-03	0.0	320.0	-7476.66	-744.07	22.44	88.66	-3.646e+04	-1.891e+05
1	3	2.729e+04	-2.401e+04	0.01	0.0	0.0	-5773.57	-426.02	-19.08	43.05	-2.401e+04	2.729e+04
		-1.090e+05	-3.012e+04	3.15e-03	0.0	320.0	-4573.57	-426.02	-19.08	43.05	-3.012e+04	-1.090e+05
1	11	4.843e+05	6.354e+05	0.27	0.0	0.0	-5067.85	-3225.41	4433.98	-4577.22	-7.836e+05	4.843e+05
		-5.478e+05	-7.836e+05	-0.25	0.0	320.0	-3867.85	-3225.41	4433.98	-4577.22	6.354e+05	-5.478e+05
1	30	8.750e+04	1.819e+06	-0.07	0.0	0.0	-1.307e+04	845.93	-1.084e+04	-3102.64	1.819e+06	-1.832e+05
		-1.832e+05	-1.648e+06	0.61	0.0	320.0	-1.187e+04	845.93	-1.084e+04	-3102.64	-1.648e+06	8.750e+04
1	31	2.378e+05	1.588e+06	0.07	0.0	0.0	1519.86	-1697.97	1.080e+04	3188.75	-1.868e+06	2.378e+05
		-3.056e+05	-1.868e+06	-0.61	0.0	320.0	2719.86	-1697.97	1.080e+04	3188.75	1.588e+06	-3.056e+05
1	33	-1.534e+04	1.587e+06	-0.10	0.0	0.0	2656.05	-143.84	1.079e+04	3126.98	-1.864e+06	-1.534e+04
		-6.138e+04	-1.864e+06	-0.61	0.0	320.0	3856.05	-143.84	1.079e+04	3126.98	1.587e+06	-6.138e+04
1	36	6.991e+04	1.816e+06	0.09	0.0	0.0	-1.420e+04	-708.20	-1.082e+04	-3040.87	1.816e+06	6.991e+04
		-1.567e+05	-1.648e+06	0.61	0.0	320.0	-1.300e+04	-708.20	-1.082e+04	-3040.87	-1.648e+06	-1.567e+05
1	43	2.131e+05	2.315e+05	0.11	0.0	0.0	-5533.10	-1564.41	1731.83	-1840.88	-3.227e+05	2.131e+05
		-2.875e+05	-3.227e+05	-0.10	0.0	320.0	-4333.10	-1564.41	1731.83	-1840.88	2.315e+05	-2.875e+05
1	62	-3.029e+04	6.909e+05	-0.03	0.0	0.0	-8586.65	83.28	-4214.39	-1236.59	6.909e+05	-5.695e+04
		-5.695e+04	-6.577e+05	0.24	0.0	320.0	-7386.65	83.28	-4214.39	-1236.59	-6.577e+05	-3.029e+04
1	63	1.115e+05	5.975e+05	0.04	0.0	0.0	-2960.49	-935.31	4176.24	1322.70	-7.390e+05	1.115e+05
		-1.878e+05	-7.390e+05	-0.24	0.0	320.0	-1760.49	-935.31	4176.24	1322.70	5.975e+05	-1.878e+05
1	65	8351.84	5.971e+05	-0.04	0.0	0.0	-2497.48	-301.86	4170.79	1297.40	-7.375e+05	8351.84
		-8.825e+04	-7.375e+05	-0.24	0.0	320.0	-1297.48	-301.86	4170.79	1297.40	5.971e+05	-8.825e+04
1	68	4.622e+04	6.895e+05	0.04	0.0	0.0	-9049.66	-550.17	-4208.94	-1211.29	6.895e+05	4.622e+04
		-1.298e+05	-6.574e+05	0.24	0.0	320.0	-7849.66	-550.17	-4208.94	-1211.29	-6.574e+05	-1.298e+05
1	69	2.729e+04	-2.401e+04	0.01	0.0	0.0	-5773.57	-426.02	-19.08	43.05	-2.401e+04	2.729e+04
		-1.090e+05	-3.012e+04	3.15e-03	0.0	320.0	-4573.57	-426.02	-19.08	43.05	-3.012e+04	-1.090e+05
1	70	2.729e+04	-2.401e+04	0.01	0.0	0.0	-5773.57	-426.02	-19.08	43.05	-2.401e+04	2.729e+04
		-1.090e+05	-3.012e+04	3.15e-03	0.0	320.0	-4573.57	-426.02	-19.08	43.05	-3.012e+04	-1.090e+05
1	71	3.633e+04	-2.832e+04	0.02	0.0	0.0	-6794.25	-552.85	12.41	64.84	-3.229e+04	3.633e+04
		-1.406e+05	-3.229e+04	3.50e-03	0.0	320.0	-5594.25	-552.85	12.41	64.84	-2.832e+04	-1.406e+05
1	72	2.729e+04	-2.401e+04	0.01	0.0	0.0	-5773.57	-426.02	-19.08	43.05	-2.401e+04	2.729e+04
		-1.090e+05	-3.012e+04	3.15e-03	0.0	320.0	-4573.57	-426.02	-19.08	43.05	-3.012e+04	-1.090e+05
1	73	2.909e+04	-2.567e+04	0.02	0.0	0.0	-5977.71	-451.38	-12.78	47.41	-2.567e+04	2.909e+04
		-1.153e+05	-2.976e+04	3.22e-03	0.0	320.0	-4777.71	-451.38	-12.78	47.41	-2.976e+04	-1.153e+05
1	74	2.729e+04	-2.401e+04	0.01	0.0	0.0	-5773.57	-426.02	-19.08	43.05	-2.401e+04	2.729e+04
		-1.090e+05	-3.012e+04	3.15e-03	0.0	320.0	-4573.57	-426.02	-19.08	43.05	-3.012e+04	-1.090e+05
2	2	4.906e+04	4.363e+04	0.02	0.0	0.0	-9036.76	-744.19	-22.39	-87.73	4.363e+04	4.906e+04
		-1.891e+05	3.647e+04	-4.62e-03	0.0	320.0	-7476.76	-744.19	-22.39	-87.73	3.647e+04	-1.891e+05
2	3	2.730e+04	3.012e+04	0.01	0.0	0.0	-5773.64	-426.11	19.11	-42.38	2.401e+04	2.730e+04
		-1.090e+05	2.401e+04	-3.15e-03	0.0	320.0	-4573.64	-426.11	19.11	-42.38	3.012e+04	-1.090e+05
2	20	4.843e+05	7.836e+05	0.27	0.0	0.0	-5068.06	-3225.38	-4434.11	4578.85	7.836e+05	4.843e+05
		-5.478e+05	-6.354e+05	0.25	0.0	320.0	-3868.06	-3225.38	-4434.11	4578.85	-6.354e+05	-5.478e+05
2	30	-1.535e+04	1.864e+06	-0.10	0.0	0.0	2655.82	-143.75	-1.078e+04	-3126.92	1.864e+06	-1.535e+04
		-6.136e+04	-1.587e+06	0.61	0.0	320.0	3855.82	-143.75	-1.078e+04	-3126.92	-1.587e+06	-6.136e+04
2	31	6.996e+04	1.647e+06	0.09	0.0	0.0	-1.420e+04	-708.46	1.082e+04	3042.16	-1.816e+06	6.996e+04
		-1.567e+05	-1.816e+06	-0.61	0.0	320.0	-1.300e+04	-708.46	1.082e+04	3042.16	1.647e+06	-1.567e+05
2	33	8.747e+04	1.648e+06	-0.07	0.0	0.0	-1.307e+04	845.65	1.084e+04	3102.95	-1.819e+06	-1.831e+05
		-1.831e+05	-1.819e+06	-0.61	0.0	320.0	-1.187e+04	845.65	1.084e+04	3102.95	1.648e+06	8.747e+04
2	36	2.378e+05	1.867e+06	0.07	0.0	0.0	1519.64	-1697.86	-1.080e+04	-3187.71	1.867e+06	2.378e+05
		-3.056e+05	-1.588e+06	0.61	0.0	320.0	2719.64	-1697.86	-1.080e+04	-3187.71	-1.588e+06	-3.056e+05
2	52	2.131e+05	3.227e+05	0.11	0.0	0.0	-5533.22	-1564.45	-1731.87	1841.94	3.227e+05	2.131e+05
		-2.875e+05	-2.316e+05	0.10	0.0	320.0	-4333.22	-1564.45	-1731.87	1841.94	-2.316e+05	-2.875e+05
2	62	8358.09	7.375e+05	-0.04	0.0	0.0	-2497.61	-301.89	-4170.51	-1296.97	7.375e+05	8358.09
		-8.825e+04	-5.971e+05	0.24	0.0	320.0	-1297.61	-301.89	-4170.51	-1296.97	-5.971e+05	-8.825e+04
2	63	4.625e+04	6.573e+05	0.04	0.0	0.0	-9049.66	-550.33	4208.72	1212.21	-6.895e+05	4.625e+04
		-1.299e+05	-6.895e+05	-0.24	0.0	320.0	-7849.66	-550.33	4208.72	1212.21	6.573e+05	-1.299e+05
2	65	-3.031e+04	6.577e+05	-0.03	0.0	0.0	-8586.66	83.11	4214.26	1237.11	-6.909e+05	-5.691e+04
		-5.691e+04	-6.909e+05	-0.24	0.0	320.0	-7386.66	83.11	4214.26	1237.11	6.577e+05	-3.031e+04
2	68	1.115e+05	7.389e+05	0.04	0.0	0.0	-2960.62	-935.33	-4176.05	-1321.87	7.389e+05	1.115e+05
		-1.878e+05	-5.974e+05	0.24	0.0	320.0	-1760.62	-935.33	-4176.05	-1321.87	-5.974e+05	-1.878e+05
2	69	2.730e+04	3.012e+04	0.01	0.0	0.0	-5773.64	-426.11	19.11	-42.38	2.401e+04	2.730e+04
		-1.090e+05	2.401e+04	-3.15e-03	0.0	320.0	-4573.64	-426.11	19.11	-42.38	3.012e+04	-1.090e+05
2	70	2.730e+04	3.012e+04	0.01	0.0	0.0	-5773.64	-426.11	19.11	-42.38	2.401e+04	2.730e+04
		-1.090e+05	2.401e+04	-3.15e-03	0.0	320.0	-4573.64	-426.11	19.11	-42.38	3.012e+04	-1.090e+05
2	71	3.635e+04	3.229e+04	0.02	0.0	0.0	-6794.33	-552.94	-12.38	-64.14	3.229e+04	3.635e+04
		-1.406e+05	2.833e+04	-3.50e-03	0.0	320.0	-5594.33	-552.94	-12.38	-64.14	2.833e+04	-1.406e+05
2	72	2.730e+04	3.012e+04	0.01	0.0	0.0	-5773.64	-426.11	19.11	-42.38	2.401e+04	2.730e+04
		-1.090e+05	2.401e+04	-3.15e-03	0.0	320.0	-4573.64	-426.11	19.11	-42.38	3.012e+04	-1.090e+05
2	73	2.911e+04	2.976e+04	0.02	0.0	0.0	-5977.77	-451.47	12.81	-46.73	2.566e+04	2.911e+04
		-1.154e+05	2.566e+04	-3.22e-03	0.0	320.0	-4777.77	-451.47	12.81	-46.73	2.976e+04	-1.154e+05
2	74	2.730e+04	3.012e+04	0.01	0.0	0.0	-5773.64	-426.11	19.11	-42.38	2.401e+04	2.730e+04
		-1.090e+05	2.401e+04	-3.15e-03	0.0	320.0	-4573.64	-426.11	19.11	-42.38	3.012e+04	-1.090e+05
3	2	2.748e+04	1.579e+04	-5.03e-03	0.0	0.0	-1.777e+04	-74.81	-261.79	71.00	1.579e+04	2.748e+04

		3541.85	-6.798e+04	3.78e-03	0.0	320.0	-1.621e+04	-74.81	-261.79	71.00	-6.798e+04	3541.85	
3	3	1.428e+04	8164.88	-2.87e-03	0.0	0.0	-1.062e+04	-33.41	-145.51	42.12	8164.88	1.428e+04	
		3585.61	-3.840e+04	2.17e-03	0.0	320.0	-9417.52	-33.41	-145.51	42.12	-3.840e+04	3585.61	
3	4	2.320e+04	1.334e+04	-4.17e-03	0.0	0.0	-1.458e+04	-64.79	-218.14	58.37	1.334e+04	2.320e+04	
		2466.17	-5.646e+04	3.13e-03	0.0	320.0	-1.338e+04	-64.79	-218.14	58.37	-5.646e+04	2466.17	
3	14	1.277e+05	1.111e+06	0.10	0.0	0.0	-1.020e+04	-516.84	-6810.38	-1.202e+04	1.111e+06	1.277e+05	
		-3.766e+04	-1.068e+06	0.28	0.0	320.0	-8996.36	-516.84	-6810.38	-1.202e+04	-1.068e+06	-3.766e+04	
3	15	4.483e+04	9.911e+05	-0.10	0.0	0.0	-1.104e+04	450.01	6519.36	1.211e+04	-1.095e+06	-9.917e+04	
		-9.917e+04	-1.095e+06	-0.28	0.0	320.0	-9838.68	450.01	6519.36	1.211e+04	9.911e+05	4.483e+04	
3	30	6.978e+05	2.400e+05	0.61	0.0	0.0	-9928.82	-2906.36	-1501.01	-4022.63	2.400e+05	6.978e+05	
		-2.322e+05	-2.402e+05	0.06	0.0	320.0	-8728.82	-2906.36	-1501.01	-4022.63	-2.402e+05	-2.322e+05	
3	31	2.394e+05	1.634e+05	-0.60	0.0	0.0	-1.131e+04	2839.54	1209.99	4106.87	-2.236e+05	-6.692e+05	
		-6.692e+05	-2.236e+05	-0.06	0.0	320.0	-1.011e+04	2839.54	1209.99	4106.87	1.634e+05	2.394e+05	
3	33	2.394e+05	4.007e+05	-0.60	0.0	0.0	-1.114e+04	2840.60	-2561.84	4173.26	4.007e+05	-6.696e+05	
		-6.696e+05	-4.193e+05	0.10	0.0	320.0	-9935.99	2840.60	-2561.84	4173.26	-4.193e+05	2.394e+05	
3	36	6.981e+05	3.425e+05	0.61	0.0	0.0	-1.010e+04	-2907.43	2270.82	-4089.02	-3.843e+05	6.981e+05	
		-2.323e+05	-3.843e+05	-0.10	0.0	320.0	-8899.05	-2907.43	2270.82	-4089.02	3.425e+05	-2.323e+05	
3	46	5.734e+04	4.571e+05	0.04	0.0	0.0	-1.045e+04	-217.02	-2857.60	-4761.06	4.571e+05	5.734e+04	
		-1.211e+04	-4.574e+05	0.12	0.0	320.0	-9248.86	-217.02	-2857.60	-4761.06	-4.574e+05	-1.211e+04	
3	62	2.791e+05	1.037e+05	0.24	0.0	0.0	-1.035e+04	-1146.43	-705.32	-1573.41	1.037e+05	2.791e+05	
		-8.777e+04	-1.219e+05	0.03	0.0	320.0	-9149.09	-1146.43	-705.32	-1573.41	-1.219e+05	-8.777e+04	
3	63	9.494e+04	4.515e+04	-0.23	0.0	0.0	-1.089e+04	1079.61	414.30	1657.65	-8.736e+04	-2.505e+05	
		-2.505e+05	-8.736e+04	-0.03	0.0	320.0	-9685.94	1079.61	414.30	1657.65	4.515e+04	9.494e+04	
3	65	9.495e+04	1.671e+05	-0.23	0.0	0.0	-1.082e+04	1080.05	-1123.06	1684.86	1.671e+05	-2.507e+05	
		-2.507e+05	-1.923e+05	0.04	0.0	320.0	-9616.56	1080.05	-1123.06	1684.86	-1.923e+05	9.495e+04	
3	68	2.792e+05	1.155e+05	0.24	0.0	0.0	-1.042e+04	-1146.87	832.04	-1600.62	-1.508e+05	2.792e+05	
		-8.778e+04	-1.508e+05	-0.04	0.0	320.0	-9218.47	-1146.87	832.04	-1600.62	1.155e+05	-8.778e+04	
3	69	1.428e+04	8164.88	-2.87e-03	0.0	0.0	-1.062e+04	-33.41	-145.51	42.12	8164.88	1.428e+04	
		3585.61	-3.840e+04	2.17e-03	0.0	320.0	-9417.52	-33.41	-145.51	42.12	-3.840e+04	3585.61	
3	70	1.428e+04	8164.88	-2.87e-03	0.0	0.0	-1.062e+04	-33.41	-145.51	42.12	8164.88	1.428e+04	
		3585.61	-3.840e+04	2.17e-03	0.0	320.0	-9417.52	-33.41	-145.51	42.12	-3.840e+04	3585.61	
3	71	2.022e+04	1.162e+04	-3.74e-03	0.0	0.0	-1.326e+04	-54.33	-193.93	52.95	1.162e+04	2.022e+04	
		2839.32	-5.044e+04	2.81e-03	0.0	320.0	-1.206e+04	-54.33	-193.93	52.95	-5.044e+04	2839.32	
3	72	1.428e+04	8164.88	-2.87e-03	0.0	0.0	-1.062e+04	-33.41	-145.51	42.12	8164.88	1.428e+04	
		3585.61	-3.840e+04	2.17e-03	0.0	320.0	-9417.52	-33.41	-145.51	42.12	-3.840e+04	3585.61	
3	73	1.547e+04	8855.15	-3.04e-03	0.0	0.0	-1.115e+04	-37.59	-155.19	44.29	8855.15	1.547e+04	
		3436.35	-4.081e+04	2.30e-03	0.0	320.0	-9945.82	-37.59	-155.19	44.29	-4.081e+04	3436.35	
3	74	1.428e+04	8164.88	-2.87e-03	0.0	0.0	-1.062e+04	-33.41	-145.51	42.12	8164.88	1.428e+04	
		3585.61	-3.840e+04	2.17e-03	0.0	320.0	-9417.52	-33.41	-145.51	42.12	-3.840e+04	3585.61	
4	2	-3539.53	1.582e+04	5.03e-03	0.0	0.0	-1.777e+04	74.87	-261.94	-69.70	1.582e+04	-2.750e+04	
		-2.750e+04	-6.800e+04	3.78e-03	0.0	320.0	-1.621e+04	74.87	-261.94	-69.70	-6.800e+04	-3539.53	
4	3	-3584.29	8181.44	2.87e-03	0.0	0.0	-1.062e+04	33.44	-145.59	-41.34	8181.44	-1.429e+04	
		-1.429e+04	-3.841e+04	2.17e-03	0.0	320.0	-9417.56	33.44	-145.59	-41.34	-3.841e+04	-3584.29	
4	4	-2464.24	1.337e+04	4.17e-03	0.0	0.0	-1.458e+04	64.84	-218.26	-57.30	1.337e+04	-2.321e+04	
		-2.321e+04	-5.648e+04	3.13e-03	0.0	320.0	-1.338e+04	64.84	-218.26	-57.30	-5.648e+04	-2464.24	
4	5	3.766e+04	1.111e+06	-0.10	0.0	0.0	-1.020e+04	516.92	-6810.52	1.202e+04	1.111e+06	-1.277e+05	
		-1.277e+05	-1.068e+06	0.28	0.0	320.0	-8996.58	516.92	-6810.52	1.202e+04	-1.068e+06	3.766e+04	
4	8	9.918e+04	9.911e+05	0.10	0.0	0.0	-1.104e+04	-450.03	6519.34	-1.210e+04	-1.095e+06	9.918e+04	
		-4.483e+04	-1.095e+06	-0.28	0.0	320.0	-9838.54	-450.03	6519.34	-1.210e+04	9.911e+05	-4.483e+04	
4	30	6.696e+05	4.007e+05	0.60	0.0	0.0	-1.114e+04	-2840.54	-2561.80	-4173.29	4.007e+05	6.696e+05	
		-2.394e+05	-4.193e+05	0.10	0.0	320.0	-9936.66	-2840.54	-2561.80	-4173.29	-4.193e+05	-2.394e+05	
4	31	2.322e+05	3.425e+05	-0.61	0.0	0.0	-1.010e+04	2907.43	2270.61	4090.61	-3.843e+05	-6.981e+05	
		-6.981e+05	-3.843e+05	-0.10	0.0	320.0	-8898.46	2907.43	2270.61	4090.61	3.425e+05	2.322e+05	
4	33	2.322e+05	2.400e+05	-0.61	0.0	0.0	-9928.22	2906.40	-1501.20	4022.93	2.400e+05	-6.978e+05	
		-6.978e+05	-2.402e+05	0.06	0.0	320.0	-8728.22	2906.40	-1501.20	4022.93	-2.402e+05	2.322e+05	
4	36	6.692e+05	1.634e+05	0.60	0.0	0.0	-1.131e+04	-2839.51	1210.02	-4105.61	-2.237e+05	6.692e+05	
		-2.394e+05	-2.237e+05	-0.06	0.0	320.0	-1.011e+04	-2839.51	1210.02	-4105.61	1.634e+05	-2.394e+05	
4	37	1.211e+04	4.571e+05	-0.04	0.0	0.0	-1.045e+04	217.07	-2857.70	4760.96	4.571e+05	-5.735e+04	
		-5.735e+04	-4.574e+05	0.12	0.0	320.0	-9248.98	217.07	-2857.70	4760.96	-4.574e+05	1.211e+04	
4	62	2.507e+05	1.671e+05	0.23	0.0	0.0	-1.082e+04	-1080.00	-1123.10	-1684.40	1.671e+05	2.507e+05	
		-9.495e+04	-1.923e+05	0.04	0.0	320.0	-9616.86	-1080.00	-1123.10	-1684.40	-1.923e+05	-9.495e+04	
4	63	8.778e+04	1.155e+05	-0.24	0.0	0.0	-1.042e+04	1146.89	831.91	1601.72	-1.508e+05	-2.792e+05	
		-2.792e+05	-1.508e+05	-0.04	0.0	320.0	-9218.26	1146.89	831.91	1601.72	1.155e+05	8.778e+04	
4	65	8.777e+04	1.037e+05	-0.24	0.0	0.0	-1.035e+04	1146.47	-705.44	1573.99	1.037e+05	-2.791e+05	
		-2.791e+05	-1.220e+05	0.03	0.0	320.0	-9148.87	1146.47	-705.44	1573.99	-1.220e+05	8.777e+04	
4	68	2.505e+05	4.515e+04	0.23	0.0	0.0	-1.089e+04	-1079.58	414.26	-1656.67	-8.735e+04	2.505e+05	
		-9.494e+04	-8.735e+04	-0.03	0.0	320.0	-9686.25	-1079.58	414.26	-1656.67	4.515e+04	-9.494e+04	
4	69	-3584.29	8181.44	2.87e-03	0.0	0.0	-1.062e+04	33.44	-145.59	-41.34	8181.44	-1.429e+04	
		-1.429e+04	-3.841e+04	2.17e-03	0.0	320.0	-9417.56	33.44	-145.59	-41.34	-3.841e+04	-3584.29	
4	70	-3584.29	8181.44	2.87e-03	0.0	0.0	-1.062e+04	33.44	-145.59	-41.34	8181.44	-1.429e+04	
		-1.429e+04	-3.841e+04	2.17e-03	0.0	320.0	-9417.56	33.44	-145.59	-41.34	-3.841e+04	-3584.29	
4	71	-2837.59	1.164e+04	3.74e-03	0.0	0.0	-1.326e+04	54.37	-194.04	-51.98	1.164e+04	-2.024e+04	
		-2.024e+04	-5.045e+04	2.81e-03	0.0	320.0	-1.206e+04	54.37	-194.04	-51.98	-5.045e+04	-2837.59	
4	72	-3584.29	8181.44	2.87e-03	0.0	0.0	-1.062e+04	33.44	-145.59	-41.34	8181.44	-1.429e+04	
		-1.429e+04	-3.841e+04	2.17e-03	0.0	320.0	-9417.56	33.44	-145.59	-41.34	-3.841e+04	-3584.29	
4	73	-3434.95	8872.94	3.05e-03	0.0	0.0	-1.115e+04	37.63	-155.28	-43.47	8872.94	-1.548e+04	

		-1.548e+04	-4.082e+04	2.30e-03	0.0	320.0	-9945.86	37.63	-155.28	-43.47	-4.082e+04	-3434.95
4	74	-3584.29	8181.44	2.87e-03	0.0	0.0	-1.062e+04	33.44	-145.59	-41.34	8181.44	-1.429e+04
		-1.429e+04	-3.841e+04	2.17e-03	0.0	320.0	-9417.56	33.44	-145.59	-41.34	-3.841e+04	-3584.29
5	2	-1.614e+04	3495.38	6.14e-03	0.0	0.0	-1.689e+04	18.97	-60.21	7.44	3495.38	-2.222e+04
		-2.222e+04	-1.577e+04	9.25e-04	0.0	320.0	-1.533e+04	18.97	-60.21	7.44	-1.577e+04	-1.614e+04
5	3	-9994.01	1764.42	4.04e-03	0.0	0.0	-1.032e+04	-15.23	-33.71	4.96	1764.42	-9994.01
		-1.487e+04	-9023.91	5.36e-04	0.0	320.0	-9116.99	-15.23	-33.71	4.96	-9023.91	-1.487e+04
5	5	2.232e+05	1.106e+06	-0.16	0.0	0.0	-8879.28	1537.39	-6778.87	1.147e+04	1.106e+06	-2.688e+05
		-2.688e+05	-1.064e+06	0.28	0.0	320.0	-7679.28	1537.39	-6778.87	1.147e+04	-1.064e+06	2.232e+05
5	8	2.488e+05	1.046e+06	0.16	0.0	0.0	-1.175e+04	-1567.85	6711.44	-1.146e+04	-1.102e+06	2.488e+05
		-2.529e+05	-1.102e+06	-0.28	0.0	320.0	-1.055e+04	-1567.85	6711.44	-1.146e+04	1.046e+06	-2.529e+05
5	30	8.597e+05	4.245e+05	0.55	0.0	0.0	-1.485e+04	-5232.34	-2617.54	1.551e+04	4.245e+05	8.597e+05
		-8.146e+05	-4.131e+05	0.11	0.0	320.0	-1.365e+04	-5232.34	-2617.54	1.551e+04	-4.131e+05	-8.146e+05
5	31	7.849e+05	3.950e+05	-0.55	0.0	0.0	-5786.32	5201.88	2550.11	-1.550e+04	-4.210e+05	-8.797e+05
		-8.797e+05	-4.210e+05	-0.11	0.0	320.0	-4586.32	5201.88	2550.11	-1.550e+04	3.950e+05	7.849e+05
5	33	7.843e+05	2.097e+05	-0.55	0.0	0.0	-5742.15	5198.23	-1304.22	-1.558e+04	2.097e+05	-8.791e+05
		-8.791e+05	-2.077e+05	0.05	0.0	320.0	-4542.15	5198.23	-1304.22	-1.558e+04	-2.077e+05	7.843e+05
5	36	8.591e+05	1.896e+05	0.55	0.0	0.0	-1.489e+04	-5228.68	1236.79	1.559e+04	-2.061e+05	8.591e+05
		-8.141e+05	-2.061e+05	-0.05	0.0	320.0	-1.369e+04	-5228.68	1236.79	1.559e+04	1.896e+05	-8.141e+05
5	37	7.726e+04	4.512e+05	-0.06	0.0	0.0	-9758.92	585.69	-2779.75	4601.72	4.512e+05	-1.102e+05
		-1.102e+05	-4.384e+05	0.11	0.0	320.0	-8558.92	585.69	-2779.75	4601.72	-4.384e+05	7.726e+04
5	40	9.017e+04	4.203e+05	0.06	0.0	0.0	-1.088e+04	-616.15	2712.32	-4591.80	-4.476e+05	9.017e+04
		-1.070e+05	-4.476e+05	-0.11	0.0	320.0	-9675.07	-616.15	2712.32	-4591.80	4.203e+05	-1.070e+05
5	62	3.267e+05	1.723e+05	0.21	0.0	0.0	-1.207e+04	-2034.88	-1075.97	6089.68	1.723e+05	3.267e+05
		-3.245e+05	-1.720e+05	0.04	0.0	320.0	-1.087e+04	-2034.88	-1075.97	6089.68	-1.720e+05	-3.245e+05
5	63	2.947e+05	1.540e+05	-0.21	0.0	0.0	-8563.45	2004.43	1008.54	-6079.77	-1.688e+05	-3.467e+05
		-3.467e+05	-1.688e+05	-0.04	0.0	320.0	-7363.45	2004.43	1008.54	-6079.77	1.540e+05	2.947e+05
5	65	2.945e+05	8.828e+04	-0.21	0.0	0.0	-8545.45	2002.94	-562.45	-6110.35	8.828e+04	-3.464e+05
		-3.464e+05	-9.170e+04	0.02	0.0	320.0	-7345.45	2002.94	-562.45	-6110.35	-9.170e+04	2.945e+05
5	68	3.264e+05	7.365e+04	0.21	0.0	0.0	-1.209e+04	-2033.40	495.02	6120.26	-8.476e+04	3.264e+05
		-3.242e+05	-8.476e+04	-0.02	0.0	320.0	-1.089e+04	-2033.40	495.02	6120.26	7.365e+04	-3.242e+05
5	69	-9994.01	1764.42	4.04e-03	0.0	0.0	-1.032e+04	-15.23	-33.71	4.96	1764.42	-9994.01
		-1.487e+04	-9023.91	5.36e-04	0.0	320.0	-9116.99	-15.23	-33.71	4.96	-9023.91	-1.487e+04
5	70	-9994.01	1764.42	4.04e-03	0.0	0.0	-1.032e+04	-15.23	-33.71	4.96	1764.42	-9994.01
		-1.487e+04	-9023.91	5.36e-04	0.0	320.0	-9116.99	-15.23	-33.71	4.96	-9023.91	-1.487e+04
5	71	-1.275e+04	2565.51	4.63e-03	0.0	0.0	-1.263e+04	10.62	-44.63	5.62	2565.51	-1.614e+04
		-1.614e+04	-1.172e+04	6.88e-04	0.0	320.0	-1.143e+04	10.62	-44.63	5.62	-1.172e+04	-1.275e+04
5	72	-9994.01	1764.42	4.04e-03	0.0	0.0	-1.032e+04	-15.23	-33.71	4.96	1764.42	-9994.01
		-1.487e+04	-9023.91	5.36e-04	0.0	320.0	-9116.99	-15.23	-33.71	4.96	-9023.91	-1.487e+04
5	73	-1.122e+04	1924.64	4.16e-03	0.0	0.0	-1.078e+04	-10.06	-35.90	5.09	1924.64	-1.122e+04
		-1.444e+04	-9562.64	5.66e-04	0.0	320.0	-9580.55	-10.06	-35.90	5.09	-9562.64	-1.444e+04
5	74	-9994.01	1764.42	4.04e-03	0.0	0.0	-1.032e+04	-15.23	-33.71	4.96	1764.42	-9994.01
		-1.487e+04	-9023.91	5.36e-04	0.0	320.0	-9116.99	-15.23	-33.71	4.96	-9023.91	-1.487e+04
6	2	2.223e+04	3500.13	-6.14e-03	0.0	0.0	-1.689e+04	-19.04	-60.24	-7.43	3500.13	2.223e+04
		1.613e+04	-1.578e+04	9.25e-04	0.0	320.0	-1.533e+04	-19.04	-60.24	-7.43	-1.578e+04	1.613e+04
6	3	1.486e+04	1767.41	-4.04e-03	0.0	0.0	-1.032e+04	15.18	-33.73	-4.96	1767.41	1.000e+04
		1.000e+04	-9026.47	5.36e-04	0.0	320.0	-9116.96	15.18	-33.73	-4.96	-9026.47	1.486e+04
6	14	2.688e+05	1.106e+06	0.16	0.0	0.0	-8879.20	-1537.44	-6778.65	-1.147e+04	1.106e+06	2.688e+05
		-2.232e+05	-1.064e+06	0.28	0.0	320.0	-7679.20	-1537.44	-6778.65	-1.147e+04	-1.064e+06	-2.232e+05
6	15	2.529e+05	1.046e+06	-0.16	0.0	0.0	-1.175e+04	1567.81	6711.19	1.146e+04	-1.102e+06	-2.488e+05
		-2.488e+05	-1.102e+06	-0.28	0.0	320.0	-1.055e+04	1567.81	6711.19	1.146e+04	1.046e+06	2.529e+05
6	30	8.791e+05	2.096e+05	0.55	0.0	0.0	-5742.02	-5198.20	-1303.99	1.558e+04	2.096e+05	8.791e+05
		-7.843e+05	-2.076e+05	0.05	0.0	320.0	-4542.02	-5198.20	-1303.99	1.558e+04	-2.076e+05	-7.843e+05
6	31	8.140e+05	1.896e+05	-0.55	0.0	0.0	-1.489e+04	5228.57	1236.53	-1.559e+04	-2.061e+05	-8.591e+05
		-8.591e+05	-2.061e+05	-0.05	0.0	320.0	-1.369e+04	5228.57	1236.53	-1.559e+04	1.896e+05	8.140e+05
6	33	8.146e+05	4.246e+05	-0.55	0.0	0.0	-1.485e+04	5232.22	-2617.72	-1.552e+04	4.246e+05	-8.597e+05
		-8.597e+05	-4.131e+05	0.11	0.0	320.0	-1.365e+04	5232.22	-2617.72	-1.552e+04	-4.131e+05	8.146e+05
6	36	8.797e+05	3.951e+05	0.55	0.0	0.0	-5786.21	-5201.85	2550.26	1.551e+04	-4.210e+05	8.797e+05
		-7.849e+05	-4.210e+05	-0.11	0.0	320.0	-4586.21	-5201.85	2550.26	1.551e+04	3.951e+05	-7.849e+05
6	46	1.102e+05	4.511e+05	0.06	0.0	0.0	-9758.86	-585.74	-2779.67	-4602.79	4.511e+05	1.102e+05
		-7.727e+04	-4.383e+05	0.11	0.0	320.0	-8558.86	-585.74	-2779.67	-4602.79	-4.383e+05	-7.727e+04
6	47	1.070e+05	4.203e+05	-0.06	0.0	0.0	-1.088e+04	616.11	2712.21	4592.87	-4.476e+05	-9.016e+04
		-9.016e+04	-4.476e+05	-0.11	0.0	320.0	-9675.05	616.11	2712.21	4592.87	4.203e+05	1.070e+05
6	62	3.464e+05	8.827e+04	0.21	0.0	0.0	-8545.37	-2002.96	-562.37	6110.02	8.827e+04	3.464e+05
		-2.945e+05	-9.169e+04	0.02	0.0	320.0	-7345.37	-2002.96	-562.37	6110.02	-9.169e+04	-2.945e+05
6	63	3.242e+05	7.363e+04	-0.21	0.0	0.0	-1.209e+04	2033.33	494.91	-6119.94	-8.474e+04	-3.264e+05
		-3.264e+05	-8.474e+04	-0.02	0.0	320.0	-1.089e+04	2033.33	494.91	-6119.94	7.363e+04	3.242e+05
6	65	3.245e+05	1.723e+05	-0.21	0.0	0.0	-1.207e+04	2034.81	-1076.05	-6090.00	1.723e+05	-3.267e+05
		-3.267e+05	-1.720e+05	0.04	0.0	320.0	-1.087e+04	2034.81	-1076.05	-6090.00	-1.720e+05	3.245e+05
6	68	3.467e+05	1.540e+05	0.21	0.0	0.0	-8563.38	-2004.44	1008.59	6080.08	-1.688e+05	3.467e+05
		-2.947e+05	-1.688e+05	-0.04	0.0	320.0	-7363.38	-2004.44	1008.59	6080.08	1.540e+05	-2.947e+05
6	69	1.486e+04	1767.41	-4.04e-03	0.0	0.0	-1.032e+04	15.18	-33.73	-4.96	1767.41	1.000e+04
		1.000e+04	-9026.47	5.36e-04	0.0	320.0	-9116.96	15.18	-33.73	-4.96	-9026.47	1.486e+04
6	70	1.486e+04	1767.41	-4.04e-03	0.0	0.0	-1.032e+04	15.18	-33.73	-4.96	1767.41	1.000e+04
		1.000e+04	-9026.47	5.36e-04	0.0	320.0	-9116.96	15.18	-33.73	-4.96	-9026.47	1.486e+04
6	71	1.615e+04	2569.08	-4.63e-03	0.0	0.0	-1.263e+04	-10.67	-44.65	-5.61	2569.08	1.615e+04

		1.274e+04	-1.172e+04	6.88e-04	0.0	320.0	-1.143e+04	-10.67	-44.65	-5.61	-1.172e+04	1.274e+04
6	72	1.486e+04	1767.41	-4.04e-03	0.0	0.0	-1.032e+04	15.18	-33.73	-4.96	1767.41	1.000e+04
		1.000e+04	-9026.47	5.36e-04	0.0	320.0	-9116.96	15.18	-33.73	-4.96	-9026.47	1.486e+04
6	73	1.444e+04	1927.75	-4.16e-03	0.0	0.0	-1.078e+04	10.01	-35.92	-5.09	1927.75	1.123e+04
		1.123e+04	-9565.25	5.67e-04	0.0	320.0	-9580.51	10.01	-35.92	-5.09	-9565.25	1.444e+04
6	74	1.486e+04	1767.41	-4.04e-03	0.0	0.0	-1.032e+04	15.18	-33.73	-4.96	1767.41	1.000e+04
		1.000e+04	-9026.47	5.36e-04	0.0	320.0	-9116.96	15.18	-33.73	-4.96	-9026.47	1.486e+04
7	2	2.845e+04	1.089e+05	-5.17e-03	0.0	0.0	-1.792e+04	-78.28	418.06	-57.98	-2.489e+04	2.845e+04
		3403.84	-2.489e+04	-5.57e-03	0.0	320.0	-1.636e+04	-78.28	418.06	-57.98	1.089e+05	3403.84
7	3	1.489e+04	6.202e+04	-2.96e-03	0.0	0.0	-1.070e+04	-35.63	234.56	-33.48	-1.304e+04	1.489e+04
		3493.38	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	-35.63	234.56	-33.48	6.202e+04	3493.38
7	4	2.399e+04	9.028e+04	-4.28e-03	0.0	0.0	-1.471e+04	-67.60	347.69	-47.93	-2.098e+04	2.399e+04
		2355.82	-2.098e+04	-4.61e-03	0.0	320.0	-1.351e+04	-67.60	347.69	-47.93	9.028e+04	2355.82
7	20	1.327e+05	1.090e+06	0.11	0.0	0.0	-1.012e+04	-537.27	6892.25	1.185e+04	-1.115e+06	1.327e+05
		-3.924e+04	-1.115e+06	-0.28	0.0	320.0	-8921.71	-537.27	6892.25	1.185e+04	1.090e+06	-3.924e+04
7	21	2.391e+05	2.168e+05	-0.61	0.0	0.0	-1.141e+04	2839.18	-1107.52	-4815.77	2.168e+05	-6.695e+05
		-6.695e+05	-1.375e+05	0.06	0.0	320.0	-1.021e+04	2839.18	-1107.52	-4815.77	-1.375e+05	2.391e+05
7	24	6.992e+05	2.615e+05	0.61	0.0	0.0	-9995.57	-2910.43	1576.64	4748.81	-2.428e+05	6.992e+05
		-2.321e+05	-2.428e+05	-0.06	0.0	320.0	-8795.57	-2910.43	1576.64	4748.81	2.615e+05	-2.321e+05
7	26	6.996e+05	3.813e+05	0.61	0.0	0.0	-1.026e+04	-2911.63	-2194.00	4820.38	3.813e+05	6.996e+05
		-2.321e+05	-3.209e+05	0.10	0.0	320.0	-9058.45	-2911.63	-2194.00	4820.38	-3.209e+05	-2.321e+05
7	27	2.391e+05	4.450e+05	-0.61	0.0	0.0	-1.115e+04	2840.37	2663.12	-4887.35	-4.074e+05	-6.698e+05
		-6.698e+05	-4.074e+05	-0.10	0.0	320.0	-9951.45	2840.37	2663.12	-4887.35	4.450e+05	2.391e+05
7	52	5.967e+04	4.805e+05	0.04	0.0	0.0	-1.047e+04	-226.44	2943.78	4698.83	-4.615e+05	5.967e+04
		-1.279e+04	-4.615e+05	-0.11	0.0	320.0	-9270.32	-226.44	2943.78	4698.83	4.805e+05	-1.279e+04
7	53	9.476e+04	8.167e+04	-0.23	0.0	0.0	-1.098e+04	1078.06	-319.88	-1924.06	8.167e+04	-2.502e+05
		-2.502e+05	-2.062e+04	0.03	0.0	320.0	-9782.33	1078.06	-319.88	-1924.06	-2.062e+04	9.476e+04
7	56	2.800e+05	1.447e+05	0.24	0.0	0.0	-1.043e+04	-1149.31	789.00	1857.10	-1.077e+05	2.800e+05
		-8.777e+04	-1.077e+05	-0.03	0.0	320.0	-9227.58	-1149.31	789.00	1857.10	1.447e+05	-8.777e+04
7	58	2.802e+05	1.466e+05	0.24	0.0	0.0	-1.053e+04	-1149.80	-747.87	1886.44	1.466e+05	2.802e+05
		-8.778e+04	-9.275e+04	0.04	0.0	320.0	-9334.73	-1149.80	-747.87	1886.44	-9.275e+04	-8.778e+04
7	59	9.477e+04	2.168e+05	-0.23	0.0	0.0	-1.088e+04	1078.55	1216.99	-1953.40	-1.727e+05	-2.504e+05
		-2.504e+05	-1.727e+05	-0.04	0.0	320.0	-9675.18	1078.55	1216.99	-1953.40	2.168e+05	9.477e+04
7	69	1.489e+04	6.202e+04	-2.96e-03	0.0	0.0	-1.070e+04	-35.63	234.56	-33.48	-1.304e+04	1.489e+04
		3493.38	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	-35.63	234.56	-33.48	6.202e+04	3493.38
7	70	1.489e+04	6.202e+04	-2.96e-03	0.0	0.0	-1.070e+04	-35.63	234.56	-33.48	-1.304e+04	1.489e+04
		3493.38	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	-35.63	234.56	-33.48	6.202e+04	3493.38
7	71	2.096e+04	8.086e+04	-3.84e-03	0.0	0.0	-1.337e+04	-56.94	309.98	-43.12	-1.833e+04	2.096e+04
		2735.01	-1.833e+04	-4.15e-03	0.0	320.0	-1.217e+04	-56.94	309.98	-43.12	8.086e+04	2735.01
7	72	1.489e+04	6.202e+04	-2.96e-03	0.0	0.0	-1.070e+04	-35.63	234.56	-33.48	-1.304e+04	1.489e+04
		3493.38	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	-35.63	234.56	-33.48	6.202e+04	3493.38
7	73	1.611e+04	6.579e+04	-3.13e-03	0.0	0.0	-1.124e+04	-39.89	249.64	-35.41	-1.410e+04	1.611e+04
		3341.70	-1.410e+04	-3.41e-03	0.0	320.0	-1.004e+04	-39.89	249.64	-35.41	6.579e+04	3341.70
7	74	1.489e+04	6.202e+04	-2.96e-03	0.0	0.0	-1.070e+04	-35.63	234.56	-33.48	-1.304e+04	1.489e+04
		3493.38	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	-35.63	234.56	-33.48	6.202e+04	3493.38
8	2	-3409.74	1.089e+05	5.17e-03	0.0	0.0	-1.792e+04	78.18	418.04	58.31	-2.488e+04	-2.843e+04
		-2.843e+04	-2.488e+04	-5.57e-03	0.0	320.0	-1.636e+04	78.18	418.04	58.31	1.089e+05	-3409.74
8	3	-3496.90	6.202e+04	2.96e-03	0.0	0.0	-1.070e+04	35.57	234.54	33.68	-1.304e+04	-1.488e+04
		-1.488e+04	-1.304e+04	-3.23e-03	0.0	320.0	-9504.95	35.57	234.54	33.68	6.202e+04	-3496.90
8	4	-2360.68	9.028e+04	4.28e-03	0.0	0.0	-1.471e+04	67.51	347.67	48.20	-2.097e+04	-2.396e+04
		-2.396e+04	-2.097e+04	-4.61e-03	0.0	320.0	-1.351e+04	67.51	347.67	48.20	9.028e+04	-2360.68
8	11	3.924e+04	1.090e+06	-0.11	0.0	0.0	-1.012e+04	537.27	6892.33	-1.184e+04	-1.115e+06	-1.327e+05
		-1.327e+05	-1.115e+06	-0.28	0.0	320.0	-8921.65	537.27	6892.33	-1.184e+04	1.090e+06	3.924e+04
8	21	2.321e+05	3.813e+05	-0.61	0.0	0.0	-1.026e+04	2911.50	-2194.09	-4820.87	3.813e+05	-6.996e+05
		-6.996e+05	-3.210e+05	0.10	0.0	320.0	-9058.56	2911.50	-2194.09	-4820.87	-3.210e+05	2.321e+05
8	24	6.698e+05	4.450e+05	0.61	0.0	0.0	-1.115e+04	-2840.37	2663.18	4888.24	-4.074e+05	6.698e+05
		-2.391e+05	-4.074e+05	-0.10	0.0	320.0	-9951.33	-2840.37	2663.18	4888.24	4.450e+05	-2.391e+05
8	26	6.695e+05	2.168e+05	0.61	0.0	0.0	-1.141e+04	-2839.21	-1107.49	4815.34	2.168e+05	6.695e+05
		-2.391e+05	-1.375e+05	0.06	0.0	320.0	-1.021e+04	-2839.21	-1107.49	4815.34	-1.375e+05	-2.391e+05
8	27	2.321e+05	2.615e+05	-0.61	0.0	0.0	-9995.65	2910.35	1576.58	-4747.97	-2.428e+05	-6.992e+05
		-6.992e+05	-2.428e+05	-0.06	0.0	320.0	-8795.65	2910.35	1576.58	-4747.97	2.615e+05	2.321e+05
8	43	1.279e+04	4.805e+05	-0.04	0.0	0.0	-1.047e+04	226.40	2943.80	-4697.73	-4.615e+05	-5.966e+04
		-5.966e+04	-4.615e+05	-0.11	0.0	320.0	-9270.29	226.40	2943.80	-4697.73	4.805e+05	1.279e+04
8	53	8.778e+04	1.467e+05	-0.24	0.0	0.0	-1.053e+04	1149.72	-747.92	-1886.52	1.467e+05	-2.801e+05
		-2.801e+05	-9.275e+04	0.04	0.0	320.0	-9334.76	1149.72	-747.92	-1886.52	-9.275e+04	8.778e+04
8	56	2.504e+05	2.168e+05	0.23	0.0	0.0	-1.088e+04	-1078.58	1217.01	1953.88	-1.727e+05	2.504e+05
		-9.477e+04	-1.727e+05	-0.04	0.0	320.0	-9675.13	-1078.58	1217.01	1953.88	2.168e+05	-9.477e+04
8	58	2.502e+05	8.167e+04	0.23	0.0	0.0	-1.098e+04	-1078.11	-319.88	1924.01	8.167e+04	2.502e+05
		-9.476e+04	-2.062e+04	0.03	0.0	320.0	-9782.28	-1078.11	-319.88	1924.01	-2.062e+04	-9.476e+04
8	59	8.777e+04	1.447e+05	-0.24	0.0	0.0	-1.043e+04	1149.24	788.97	-1856.64	-1.077e+05	-2.800e+05
		-2.800e+05	-1.077e+05	-0.03	0.0	320.0	-9227.60	1149.24	788.97	-1856.64	1.447e+05	8.777e+04
8	69	-3496.90	6.202e+04	2.96e-03	0.0	0.0	-1.070e+04	35.57	234.54	33.68	-1.304e+04	-1.488e+04
		-1.488e+04	-1.304e+04	-3.23e-03	0.0	320.0	-9504.94	35.57	234.54	33.68	6.202e+04	-3496.90
8	70	-3496.90	6.202e+04	2.96e-03	0.0	0.0	-1.070e+04	35.57	234.54	33.68	-1.304e+04	-1.488e+04
		-1.488e+04	-1.304e+04	-3.23e-03	0.0	320.0	-9504.94	35.57	234.54	33.68	6.202e+04	-3496.90
8	71	-2739.42	8.086e+04	3.84e-03	0.0	0.0	-1.337e+04	56.86	309.96	43.36	-1.833e+04	-2.094e+04

		-2.094e+04	-1.833e+04	-4.15e-03	0.0	320.0	-1.217e+04	56.86	309.96	43.36	8.086e+04	-2739.42	
8	72	-3496.90	6.202e+04	2.96e-03	0.0	0.0	-1.070e+04	35.57	234.54	33.68	-1.304e+04	-1.488e+04	
		-1.488e+04	-1.304e+04	-3.23e-03	0.0	320.0	-9504.94	35.57	234.54	33.68	6.202e+04	-3496.90	
8	73	-3345.40	6.579e+04	3.13e-03	0.0	0.0	-1.124e+04	39.83	249.63	35.62	-1.409e+04	-1.609e+04	
		-1.609e+04	-1.409e+04	-3.41e-03	0.0	320.0	-1.004e+04	39.83	249.63	35.62	6.579e+04	-3345.40	
8	74	-3496.90	6.202e+04	2.96e-03	0.0	0.0	-1.070e+04	35.57	234.54	33.68	-1.304e+04	-1.488e+04	
		-1.488e+04	-1.304e+04	-3.23e-03	0.0	320.0	-9504.94	35.57	234.54	33.68	6.202e+04	-3496.90	
9	2	2.131e+05	-3.619e+04	-0.03	0.0	0.0	-9347.52	840.10	27.75	-139.73	-4.506e+04	-5.575e+04	
		-5.575e+04	-4.506e+04	4.70e-03	0.0	320.0	-7787.52	840.10	27.75	-139.73	-3.619e+04	2.131e+05	
9	3	1.230e+05	-2.481e+04	-0.02	0.0	0.0	-5954.44	481.35	-16.16	-73.94	-2.481e+04	-3.106e+04	
		-3.106e+04	-2.998e+04	3.19e-03	0.0	320.0	-4754.44	481.35	-16.16	-73.94	-2.998e+04	1.230e+05	
9	5	5.595e+05	6.396e+05	-0.27	0.0	0.0	-5160.20	3271.81	4459.22	4496.16	-7.875e+05	-4.875e+05	
		-4.875e+05	-7.875e+05	-0.25	0.0	320.0	-3960.20	3271.81	4459.22	4496.16	6.396e+05	5.595e+05	
9	21	3.204e+05	1.604e+06	-0.07	0.0	0.0	1445.91	1766.63	1.089e+04	-3472.62	-1.882e+06	-2.449e+05	
		-2.449e+05	-1.882e+06	-0.61	0.0	320.0	2645.91	1766.63	1.089e+04	-3472.62	1.604e+06	3.204e+05	
9	24	1.828e+05	1.833e+06	0.07	0.0	0.0	-1.335e+04	-803.94	-1.093e+04	3324.75	1.833e+06	1.828e+05	
		-7.445e+04	-1.664e+06	0.61	0.0	320.0	-1.215e+04	-803.94	-1.093e+04	3324.75	-1.664e+06	-7.445e+04	
9	26	1.681e+05	1.829e+06	-0.10	0.0	0.0	-1.445e+04	741.74	-1.091e+04	3253.47	1.829e+06	-6.922e+04	
		-6.922e+04	-1.663e+06	0.61	0.0	320.0	-1.325e+04	741.74	-1.091e+04	3253.47	-1.663e+06	1.681e+05	
9	27	7.782e+04	1.603e+06	0.10	0.0	0.0	2542.71	220.96	1.088e+04	-3401.35	-1.879e+06	7100.01	
		7100.01	-1.879e+06	-0.61	0.0	320.0	3742.71	220.96	1.088e+04	-3401.35	1.603e+06	7.782e+04	
9	37	3.005e+05	2.332e+05	-0.11	0.0	0.0	-5678.43	1616.00	1743.27	1790.02	-3.247e+05	-2.166e+05	
		-2.166e+05	-3.247e+05	-0.10	0.0	320.0	-4478.43	1616.00	1743.27	1790.02	2.332e+05	3.005e+05	
9	53	2.020e+05	6.036e+05	-0.04	0.0	0.0	-3099.57	995.75	4214.74	-1455.03	-7.452e+05	-1.166e+05	
		-1.166e+05	-7.452e+05	-0.24	0.0	320.0	-1899.57	995.75	4214.74	-1455.03	6.036e+05	2.020e+05	
9	56	5.448e+04	6.955e+05	0.03	0.0	0.0	-8809.32	-33.05	-4247.06	1307.16	6.955e+05	5.448e+04	
		4.390e+04	-6.635e+05	0.24	0.0	320.0	-7609.32	-33.05	-4247.06	1307.16	-6.635e+05	4.390e+04	
9	58	1.428e+05	6.942e+05	-0.05	0.0	0.0	-9256.27	596.95	-4241.75	1277.96	6.942e+05	-4.825e+04	
		-4.825e+04	-6.632e+05	0.24	0.0	320.0	-8056.27	596.95	-4241.75	1277.96	-6.632e+05	1.428e+05	
9	59	1.032e+05	6.032e+05	0.04	0.0	0.0	-2652.61	365.75	4209.43	-1425.84	-7.438e+05	-1.387e+04	
		-1.387e+04	-7.438e+05	-0.24	0.0	320.0	-1452.61	365.75	4209.43	-1425.84	6.032e+05	1.032e+05	
9	69	1.230e+05	-2.481e+04	-0.02	0.0	0.0	-5954.44	481.35	-16.16	-73.94	-2.481e+04	-3.106e+04	
		-3.106e+04	-2.998e+04	3.19e-03	0.0	320.0	-4754.44	481.35	-16.16	-73.94	-2.998e+04	1.230e+05	
9	70	1.230e+05	-2.481e+04	-0.02	0.0	0.0	-5954.44	481.35	-16.16	-73.94	-2.481e+04	-3.106e+04	
		-3.106e+04	-2.998e+04	3.19e-03	0.0	320.0	-4754.44	481.35	-16.16	-73.94	-2.998e+04	1.230e+05	
9	71	1.584e+05	-2.812e+04	-0.02	0.0	0.0	-7025.61	624.24	16.34	-103.01	-3.335e+04	-4.131e+04	
		-4.131e+04	-3.335e+04	3.56e-03	0.0	320.0	-5825.61	624.24	16.34	-103.01	-2.812e+04	1.584e+05	
9	72	1.230e+05	-2.481e+04	-0.02	0.0	0.0	-5954.44	481.35	-16.16	-73.94	-2.481e+04	-3.106e+04	
		-3.106e+04	-2.998e+04	3.19e-03	0.0	320.0	-4754.44	481.35	-16.16	-73.94	-2.998e+04	1.230e+05	
9	73	1.301e+05	-2.652e+04	-0.02	0.0	0.0	-6168.68	509.93	-9.66	-79.75	-2.652e+04	-3.311e+04	
		-3.311e+04	-2.961e+04	3.26e-03	0.0	320.0	-4968.68	509.93	-9.66	-79.75	-2.961e+04	1.301e+05	
9	74	1.230e+05	-2.481e+04	-0.02	0.0	0.0	-5954.44	481.35	-16.16	-73.94	-2.481e+04	-3.106e+04	
		-3.106e+04	-2.998e+04	3.19e-03	0.0	320.0	-4754.44	481.35	-16.16	-73.94	-2.998e+04	1.230e+05	
10	2	2.131e+05	4.504e+04	-0.03	0.0	0.0	-9347.50	840.08	-27.68	140.89	4.504e+04	-5.575e+04	
		-5.575e+04	3.619e+04	-4.69e-03	0.0	320.0	-7787.50	840.08	-27.68	140.89	3.619e+04	2.131e+05	
10	3	1.230e+05	2.998e+04	-0.02	0.0	0.0	-5954.43	481.34	16.20	74.70	2.479e+04	-3.106e+04	
		-3.106e+04	2.479e+04	-3.19e-03	0.0	320.0	-4754.43	481.34	16.20	74.70	2.998e+04	1.230e+05	
10	14	5.595e+05	7.876e+05	-0.27	0.0	0.0	-5160.18	3271.78	-4459.60	-4497.44	7.876e+05	-4.875e+05	
		-4.875e+05	-6.396e+05	0.25	0.0	320.0	-3960.18	3271.78	-4459.60	-4497.44	-6.396e+05	5.595e+05	
10	21	1.681e+05	1.663e+06	-0.10	0.0	0.0	-1.445e+04	741.77	1.091e+04	-3253.30	-1.829e+06	-6.922e+04	
		-6.922e+04	-1.829e+06	-0.61	0.0	320.0	-1.325e+04	741.77	1.091e+04	-3253.30	1.663e+06	1.681e+05	
10	24	7.781e+04	1.879e+06	0.10	0.0	0.0	2542.74	220.90	-1.088e+04	3402.70	1.879e+06	7111.13	
		7111.13	-1.603e+06	0.61	0.0	320.0	3742.74	220.90	-1.088e+04	3402.70	-1.603e+06	7.781e+04	
10	26	3.204e+05	1.882e+06	-0.07	0.0	0.0	1446.01	1766.58	-1.089e+04	3472.75	1.882e+06	-2.449e+05	
		-2.449e+05	-1.604e+06	0.61	0.0	320.0	2646.01	1766.58	-1.089e+04	3472.75	-1.604e+06	3.204e+05	
10	27	1.828e+05	1.664e+06	0.07	0.0	0.0	-1.335e+04	-803.91	1.093e+04	-3323.35	-1.833e+06	1.828e+05	
		-7.445e+04	-1.833e+06	-0.61	0.0	320.0	-1.215e+04	-803.91	1.093e+04	-3323.35	1.664e+06	-7.445e+04	
10	46	3.005e+05	3.247e+05	-0.11	0.0	0.0	-5678.41	1615.98	-1743.40	-1790.09	3.247e+05	-2.166e+05	
		-2.166e+05	-2.333e+05	0.10	0.0	320.0	-4478.41	1615.98	-1743.40	-1790.09	-2.333e+05	3.005e+05	
10	53	1.428e+05	6.632e+05	-0.05	0.0	0.0	-9256.26	596.95	4241.71	-1277.44	-6.942e+05	-4.825e+04	
		-4.825e+04	-6.942e+05	-0.24	0.0	320.0	-8056.26	596.95	4241.71	-1277.44	6.632e+05	1.428e+05	
10	56	1.032e+05	7.438e+05	0.04	0.0	0.0	-2652.60	365.72	-4209.32	1426.84	7.438e+05	-1.386e+04	
		-1.386e+04	-6.032e+05	0.24	0.0	320.0	-1452.60	365.72	-4209.32	1426.84	-6.032e+05	1.032e+05	
10	58	2.020e+05	7.452e+05	-0.04	0.0	0.0	-3099.52	995.72	-4214.73	1455.54	7.452e+05	-1.166e+05	
		-1.166e+05	-6.036e+05	0.24	0.0	320.0	-1899.52	995.72	-4214.73	1455.54	-6.036e+05	2.020e+05	
10	59	5.448e+04	6.635e+05	0.03	0.0	0.0	-8809.33	-33.05	4247.13	-1306.14	-6.956e+05	5.448e+04	
		4.390e+04	-6.956e+05	-0.24	0.0	320.0	-7609.33	-33.05	4247.13	-1306.14	6.635e+05	4.390e+04	
10	69	1.230e+05	2.998e+04	-0.02	0.0	0.0	-5954.43	481.34	16.20	74.70	2.479e+04	-3.106e+04	
		-3.106e+04	2.479e+04	-3.19e-03	0.0	320.0	-4754.43	481.34	16.20	74.70	2.998e+04	1.230e+05	
10	70	1.230e+05	2.998e+04	-0.02	0.0	0.0	-5954.43	481.34	16.20	74.70	2.479e+04	-3.106e+04	
		-3.106e+04	2.479e+04	-3.19e-03	0.0	320.0	-4754.43	481.34	16.20	74.70	2.998e+04	1.230e+05	
10	71	1.584e+05	3.333e+04	-0.02	0.0	0.0	-7025.59	624.23	-16.29	103.89	3.333e+04	-4.131e+04	
		-4.131e+04	2.812e+04	-3.55e-03	0.0	320.0	-5825.59	624.23	-16.29	103.89	2.812e+04	1.584e+05	
10	72	1.230e+05	2.998e+04	-0.02	0.0	0.0	-5954.43	481.34	16.20	74.70	2.479e+04	-3.106e+04	
		-3.106e+04	2.479e+04	-3.19e-03	0.0	320.0	-4754.43	481.34	16.20	74.70	2.998e+04	1.230e+05	
10	73	1.301e+05	2.961e+04	-0.02	0.0	0.0	-6168.66	509.91	9.70	80.54	2.650e+04	-3.311e+04	

	-3.311e+04	2.650e+04	-3.26e-03	0.0	320.0	-4968.66	509.91	9.70	80.54	2.961e+04	1.301e+05
10	74 1.230e+05	2.998e+04	-0.02	0.0	0.0	-5954.43	481.34	16.20	74.70	2.479e+04	-3.106e+04
	-3.106e+04	2.479e+04	-3.19e-03	0.0	320.0	-4754.43	481.34	16.20	74.70	2.998e+04	1.230e+05

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-8.797e+05	-1.882e+06	-0.61	0.0	-1.792e+04	-5232.34	-1.093e+04	-1.559e+04
	8.797e+05	1.882e+06	0.61	0.0	3856.05	5232.22	1.093e+04	1.559e+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
11	2	5.457e+05	-25.93	-0.09	-1.478e+04	0.0	-466.42	6218.93	-0.05	897.75	-25.93	-1.891e+05
		-8.477e+05	-53.52	6.61e-05	0.0	562.5	-466.42	-8560.75	-0.05	897.75	-53.52	-8.477e+05
11	3	3.166e+05	-8.10	-0.05	-8578.13	0.0	-266.23	3606.08	-0.05	1160.54	-8.10	-1.090e+05
		-4.932e+05	-36.21	4.30e-05	0.0	562.5	-266.23	-4972.04	-0.05	1160.54	-36.21	-4.932e+05
11	10	4.542e+05	-130.39	-0.05	-8578.13	0.0	621.96	1926.16	-0.09	3.158e+04	-130.39	3.341e+05
		-9.950e+05	-177.00	-0.04	0.0	562.5	621.96	-6651.97	-0.09	3.158e+04	-177.00	-9.950e+05
11	26	3.423e+05	1.542e+04	-0.04	-8578.13	0.0	3452.38	3070.03	-57.17	9.038e+04	1.542e+04	3.490e+04
		-6.533e+05	-1.674e+04	0.12	0.0	562.5	3452.38	-5508.10	-57.17	9.038e+04	-1.674e+04	-6.533e+05
11	27	3.101e+05	1.667e+04	-0.07	-8578.13	0.0	-3984.83	4142.14	57.07	-8.806e+04	-1.544e+04	-2.530e+05
		-3.331e+05	-1.544e+04	-0.12	0.0	562.5	-3984.83	-4435.98	57.07	-8.806e+04	1.667e+04	-3.331e+05
11	33	3.303e+05	7571.47	-0.09	-8578.13	0.0	-5528.92	3529.49	24.78	-9.521e+04	-6366.79	-7.648e+04
		-5.037e+05	-6366.79	0.02	0.0	562.5	-5528.92	-5048.64	24.78	-9.521e+04	7571.47	-5.037e+05
11	36	3.029e+05	6350.59	0.05	-8578.13	0.0	4996.47	3682.68	-24.88	9.753e+04	6350.59	-1.416e+05
		-4.827e+05	-7643.90	-0.02	0.0	562.5	4996.47	-4895.45	-24.88	9.753e+04	-7643.90	-4.827e+05
11	42	3.494e+05	-46.91	-0.05	-8578.13	0.0	64.85	2923.49	0.08	1.297e+04	-96.10	7.110e+04
		-6.970e+05	-96.10	-0.02	0.0	562.5	64.85	-5654.63	0.08	1.297e+04	-46.91	-6.970e+05
11	58	3.245e+05	5977.97	-0.05	-8578.13	0.0	1170.89	3387.71	-22.21	3.569e+04	5977.97	-5.050e+04
		-5.584e+05	-6516.86	0.05	0.0	562.5	1170.89	-5190.42	-22.21	3.569e+04	-6516.86	-5.584e+05
11	59	3.122e+05	6444.43	-0.06	-8578.13	0.0	-1703.34	3824.46	22.11	-3.337e+04	-5994.16	-1.676e+05
		-4.280e+05	-5994.16	-0.05	0.0	562.5	-1703.34	-4753.67	22.11	-3.337e+04	6444.43	-4.280e+05
11	65	3.221e+05	2908.92	-0.07	-8578.13	0.0	-2307.31	3567.51	9.56	-3.615e+04	-2471.92	-9.407e+04
		-4.999e+05	-2471.92	9.66e-03	0.0	562.5	-2307.31	-5010.61	9.56	-3.615e+04	2908.92	-4.999e+05
11	68	3.111e+05	2455.72	-0.04	-8578.13	0.0	1774.85	3644.66	-9.66	3.848e+04	2455.72	-1.240e+05
		-4.865e+05	-2981.34	-9.59e-03	0.0	562.5	1774.85	-4933.47	-9.66	3.848e+04	-2981.34	-4.865e+05
11	69	3.166e+05	-8.10	-0.05	-8578.13	0.0	-266.23	3606.08	-0.05	1160.54	-8.10	-1.090e+05
		-4.932e+05	-36.21	4.30e-05	0.0	562.5	-266.23	-4972.04	-0.05	1160.54	-36.21	-4.932e+05
11	70	3.166e+05	-8.10	-0.05	-8578.13	0.0	-266.23	3606.08	-0.05	1160.54	-8.10	-1.090e+05
		-4.932e+05	-36.21	4.30e-05	0.0	562.5	-266.23	-4972.04	-0.05	1160.54	-36.21	-4.932e+05
11	71	4.060e+05	-18.36	-0.07	-1.100e+04	0.0	-346.45	4626.77	-0.04	753.24	-18.36	-1.406e+05
		-6.309e+05	-40.51	4.98e-05	0.0	562.5	-346.45	-6370.11	-0.04	753.24	-40.51	-6.309e+05
11	72	3.166e+05	-8.10	-0.05	-8578.13	0.0	-266.23	3606.08	-0.05	1160.54	-8.10	-1.090e+05
		-4.932e+05	-36.21	4.30e-05	0.0	562.5	-266.23	-4972.04	-0.05	1160.54	-36.21	-4.932e+05
11	73	3.345e+05	-10.15	-0.06	-9061.88	0.0	-282.27	3810.22	-0.05	1079.08	-10.15	-1.153e+05
		-5.208e+05	-37.07	4.43e-05	0.0	562.5	-282.27	-5251.65	-0.05	1079.08	-37.07	-5.208e+05
11	74	3.166e+05	-8.10	-0.05	-8578.13	0.0	-266.23	3606.08	-0.05	1160.54	-8.10	-1.090e+05
		-4.932e+05	-36.21	4.30e-05	0.0	562.5	-266.23	-4972.04	-0.05	1160.54	-36.21	-4.932e+05
12	1	2.500e+05	17.71	-0.03	-1.115e+04	0.0	-229.25	5779.17	0.02	-3150.88	6.67	-5.912e+05
		-5.912e+05	6.67	-4.67e-05	0.0	562.5	-229.25	-5372.39	0.02	-3150.88	17.71	-4.768e+05
12	2	3.311e+05	16.96	-0.04	-1.478e+04	0.0	-304.15	7644.37	1.39e-03	-2641.78	16.18	-7.797e+05
		-7.797e+05	16.18	-5.63e-05	0.0	562.5	-304.15	-7135.32	1.39e-03	-2641.78	16.96	-6.365e+05
12	3	1.923e+05	13.62	-0.02	-8578.13	0.0	-176.35	4445.52	0.02	-2423.75	5.13	-4.548e+05
		-4.548e+05	5.13	-3.59e-05	0.0	562.5	-176.35	-4132.61	0.02	-2423.75	13.62	-3.668e+05
12	8	3.288e+05	2663.72	-0.04	-8578.13	0.0	2831.75	6410.77	-19.00	-1.845e+04	2663.72	-1.019e+06
		-1.019e+06	-5662.86	0.06	0.0	562.5	2831.75	-2167.35	-19.00	-1.845e+04	-5662.86	1.748e+05
12	33	2.136e+05	1.282e+04	-0.02	-8578.13	0.0	-1.045e+04	3762.39	-27.15	1.371e+05	1.282e+04	-2.502e+05
		-5.472e+05	1766.08	0.06	0.0	562.5	-1.045e+04	-4815.74	-27.15	1.371e+05	1766.08	-5.472e+05
12	36	2.017e+05	-1738.83	-0.03	-8578.13	0.0	1.010e+04	5128.65	27.18	-1.420e+05	-1.281e+04	-6.594e+05
		-6.594e+05	-1.281e+04	-0.06	0.0	562.5	1.010e+04	-3449.47	27.18	-1.420e+05	-1738.83	-1.864e+05
12	40	2.173e+05	1100.77	-0.03	-8578.13	0.0	995.20	5244.03	-7.61	-8389.29	1100.77	-6.839e+05
		-6.839e+05	-2242.21	0.03	0.0	562.5	995.20	-3334.10	-7.61	-8389.29	-2242.21	-1.467e+05
12	65	1.970e+05	5001.24	-0.02	-8578.13	0.0	-4155.30	4169.41	-10.64	5.166e+04	5001.24	-3.723e+05
		-4.399e+05	719.66	0.02	0.0	562.5	-4155.30	-4408.72	-10.64	5.166e+04	719.66	-4.399e+05
12	68	1.935e+05	-692.41	-0.03	-8578.13	0.0	3802.60	4721.63	10.67	-5.651e+04	-4990.99	-5.373e+05
		-5.373e+05	-4990.99	-0.02	0.0	562.5	3802.60	-3856.50	10.67	-5.651e+04	-692.41	-2.937e+05
12	69	1.923e+05	13.62	-0.02	-8578.13	0.0	-176.35	4445.52	0.02	-2423.75	5.13	-4.548e+05
		-4.548e+05	5.13	-3.59e-05	0.0	562.5	-176.35	-4132.61	0.02	-2423.75	13.62	-3.668e+05
12	70	1.923e+05	13.62	-0.02	-8578.13	0.0	-176.35	4445.52	0.02	-2423.75	5.13	-4.548e+05
		-4.548e+05	5.13	-3.59e-05	0.0	562.5	-176.35	-4132.61	0.02	-2423.75	13.62	-3.668e+05
12	71	2.464e+05	13.12	-0.03	-1.100e+04	0.0	-226.28	5688.98	2.94e-03	-2084.35	11.47	-5.804e+05
		-5.804e+05	11.47	-4.24e-05	0.0	562.5	-226.28	-5307.90	2.94e-03	-2084.35	13.12	-4.733e+05
12	72	1.923e+05	13.62	-0.02	-8578.13	0.0	-176.35	4445.52	0.02	-2423.75	5.13	-4.548e+05
		-4.548e+05	5.13	-3.59e-05	0.0	562.5	-176.35	-4132.61	0.02	-2423.75	13.62	-3.668e+05
12	73	2.031e+05	13.52	-0.03	-9061.88	0.0	-186.34	4694.21	0.01	-2355.87	6.40	-4.799e+05
		-4.799e+05	6.40	-3.81e-05	0.0	562.5	-186.34	-4367.66	0.01	-2355.87	13.52	-3.881e+05
12	74	1.923e+05	13.62	-0.02	-8578.13	0.0	-176.35	4445.52	0.02	-2423.75	5.13	-4.548e+05
		-4.548e+05	5.13	-3.59e-05	0.0	562.5	-176.35	-4132.61	0.02	-2423.75	13.62	-3.668e+05

13	2	2.930e+05	21.18	-0.03	-1.445e+04	0.0	-267.28	6935.63	0.02	2601.44	11.46	-6.208e+05
		-7.803e+05	11.46	5.82e-05	0.0	550.0	-267.28	-7515.62	0.02	2601.44	21.18	-7.803e+05
13	3	1.702e+05	10.05	-0.02	-8387.50	0.0	-155.73	4016.87	-4.04e-03	2416.31	10.05	-3.578e+05
		-4.551e+05	7.83	3.72e-05	0.0	550.0	-155.73	-4370.63	-4.04e-03	2416.31	7.83	-4.551e+05
13	10	3.186e+05	2799.42	-0.02	-8387.50	0.0	2917.86	1981.99	19.46	1.994e+04	-5710.63	1.902e+05
		-1.026e+06	-5710.63	-0.06	0.0	550.0	2917.86	-6405.51	19.46	1.994e+04	2799.42	-1.026e+06
13	26	1.828e+05	-2051.01	0.02	-8387.50	0.0	1.020e+04	3318.46	-29.72	1.457e+05	-2051.01	-1.769e+05
		-6.592e+05	-1.335e+04	0.07	0.0	550.0	1.020e+04	-5069.04	-29.72	1.457e+05	-1.335e+04	-6.592e+05
13	27	1.908e+05	1.337e+04	-0.03	-8387.50	0.0	-1.052e+04	4715.28	29.71	-1.409e+05	2071.11	-5.387e+05
		-5.387e+05	2071.11	-0.07	0.0	550.0	-1.052e+04	-3672.22	29.71	-1.409e+05	1.337e+04	-2.509e+05
13	42	1.985e+05	1155.91	-0.02	-8387.50	0.0	1040.83	3190.01	7.81	8964.12	-2264.65	-1.351e+05
		-6.871e+05	-2264.65	-0.02	0.0	550.0	1040.83	-5197.49	7.81	8964.12	1155.91	-6.871e+05
13	58	1.725e+05	-815.05	-0.02	-8387.50	0.0	3857.51	3734.29	-11.65	5.795e+04	-815.05	-2.844e+05
		-5.375e+05	-5199.33	0.03	0.0	550.0	3857.51	-4653.21	-11.65	5.795e+04	-5199.33	-5.375e+05
13	59	1.747e+05	5215.00	-0.02	-8387.50	0.0	-4168.96	4299.45	11.64	-5.312e+04	835.15	-4.312e+05
		-4.312e+05	835.15	-0.03	0.0	550.0	-4168.96	-4088.05	11.64	-5.312e+04	5215.00	-3.726e+05
13	69	1.702e+05	10.05	-0.02	-8387.50	0.0	-155.73	4016.87	-4.04e-03	2416.31	10.05	-3.578e+05
		-4.551e+05	7.83	3.72e-05	0.0	550.0	-155.73	-4370.63	-4.04e-03	2416.31	7.83	-4.551e+05
13	70	1.702e+05	10.05	-0.02	-8387.50	0.0	-155.73	4016.87	-4.04e-03	2416.31	10.05	-3.578e+05
		-4.551e+05	7.83	3.72e-05	0.0	550.0	-155.73	-4370.63	-4.04e-03	2416.31	7.83	-4.551e+05
13	71	2.180e+05	15.17	-0.02	-1.075e+04	0.0	-198.95	5159.34	0.01	2056.47	8.98	-4.615e+05
		-5.808e+05	8.98	4.38e-05	0.0	550.0	-198.95	-5593.16	0.01	2056.47	15.17	-5.808e+05
13	72	1.702e+05	10.05	-0.02	-8387.50	0.0	-155.73	4016.87	-4.04e-03	2416.31	10.05	-3.578e+05
		-4.551e+05	7.83	3.72e-05	0.0	550.0	-155.73	-4370.63	-4.04e-03	2416.31	7.83	-4.551e+05
13	73	1.798e+05	9.84	-0.02	-8860.50	0.0	-164.37	4245.36	-9.79e-04	2344.34	9.84	-3.785e+05
		-4.802e+05	9.30	3.95e-05	0.0	550.0	-164.37	-4615.14	-9.79e-04	2344.34	9.30	-4.802e+05
13	74	1.702e+05	10.05	-0.02	-8387.50	0.0	-155.73	4016.87	-4.04e-03	2416.31	10.05	-3.578e+05
		-4.551e+05	7.83	3.72e-05	0.0	550.0	-155.73	-4370.63	-4.04e-03	2416.31	7.83	-4.551e+05
14	2	5.976e+05	-37.13	-0.09	-1.537e+04	0.0	-526.18	8841.11	-0.03	-808.31	-37.13	-8.891e+05
		-8.891e+05	-56.43	-4.55e-05	0.0	585.0	-526.18	-6529.77	-0.03	-808.31	-56.43	-2.131e+05
14	3	3.468e+05	-25.85	-0.05	-8921.25	0.0	-300.67	5134.31	-1.59e-03	-1080.59	-25.85	-5.171e+05
		-5.171e+05	-26.78	-3.32e-05	0.0	585.0	-300.67	-3786.94	-1.59e-03	-1080.59	-26.78	-1.230e+05
14	8	4.748e+05	-72.06	-0.06	-8921.25	0.0	538.27	6730.30	-0.41	-2.758e+04	-72.06	-1.010e+06
		-1.010e+06	-318.92	0.04	0.0	585.0	538.27	-2190.95	-0.41	-2.758e+04	-318.92	3.175e+05
14	26	3.336e+05	5760.71	-0.09	-8921.25	0.0	5021.93	5063.82	22.24	-9.348e+04	-7256.33	-5.071e+05
		-5.071e+05	-7256.33	0.03	0.0	585.0	5021.93	-3857.43	22.24	-9.348e+04	5760.71	-1.542e+05
14	27	3.600e+05	7204.63	0.07	-8921.25	0.0	-5623.28	5204.81	-22.25	9.132e+04	7204.63	-5.270e+05
		-5.270e+05	-5814.27	-0.03	0.0	585.0	-5623.28	-3716.44	-22.25	9.132e+04	-5814.27	-9.173e+04
14	33	3.398e+05	1.623e+04	-0.04	-8921.25	0.0	-4142.74	4629.68	-53.15	8.640e+04	1.623e+04	-3.608e+05
		-3.608e+05	-1.486e+04	0.12	0.0	585.0	-4142.74	-4291.57	-53.15	8.640e+04	-1.486e+04	-2.644e+05
14	36	3.706e+05	1.481e+04	-0.07	-8921.25	0.0	3541.39	5638.94	53.15	-8.856e+04	-1.628e+04	-6.734e+05
		-6.734e+05	-1.628e+04	-0.12	0.0	585.0	3541.39	-3282.31	53.15	-8.856e+04	1.481e+04	1.847e+04
14	40	3.776e+05	-0.87	-0.05	-8921.25	0.0	10.04	5782.79	-0.30	-1.131e+04	-0.87	-7.174e+05
		-7.174e+05	-179.75	0.02	0.0	585.0	10.04	-3138.46	-0.30	-1.131e+04	-179.75	5.607e+04
14	58	3.415e+05	2218.35	-0.07	-8921.25	0.0	1763.95	5098.57	8.62	-3.686e+04	-2826.79	-5.106e+05
		-5.106e+05	-2826.79	0.01	0.0	585.0	1763.95	-3822.68	8.62	-3.686e+04	2218.35	-1.374e+05
14	59	3.521e+05	2775.09	-0.04	-8921.25	0.0	-2365.30	5170.06	-8.62	3.470e+04	2775.09	-5.235e+05
		-5.235e+05	-2271.91	-0.01	0.0	585.0	-2365.30	-3751.19	-8.62	3.470e+04	-2271.91	-1.085e+05
14	65	3.423e+05	6282.73	-0.05	-8921.25	0.0	-1785.04	4928.71	-20.63	3.278e+04	6282.73	-4.534e+05
		-4.534e+05	-5784.11	0.05	0.0	585.0	-1785.04	-3992.54	-20.63	3.278e+04	-5784.11	-1.805e+05
14	68	3.529e+05	5730.55	-0.06	-8921.25	0.0	1183.69	5339.91	20.62	-3.494e+04	-6334.43	-5.807e+05
		-5.807e+05	-6334.43	-0.05	0.0	585.0	1183.69	-3581.34	20.62	-3.494e+04	5730.55	-6.543e+04
14	69	3.468e+05	-25.85	-0.05	-8921.25	0.0	-300.67	5134.31	-1.59e-03	-1080.59	-25.85	-5.171e+05
		-5.171e+05	-26.78	-3.32e-05	0.0	585.0	-300.67	-3786.94	-1.59e-03	-1080.59	-26.78	-1.230e+05
14	70	3.468e+05	-25.85	-0.05	-8921.25	0.0	-300.67	5134.31	-1.59e-03	-1080.59	-25.85	-5.171e+05
		-5.171e+05	-26.78	-3.32e-05	0.0	585.0	-300.67	-3786.94	-1.59e-03	-1080.59	-26.78	-1.230e+05
14	71	4.446e+05	-28.20	-0.07	-1.144e+04	0.0	-390.87	6578.65	-0.02	-682.95	-28.20	-6.617e+05
		-6.617e+05	-41.19	-3.48e-05	0.0	585.0	-390.87	-4858.10	-0.02	-682.95	-41.19	-1.584e+05
14	72	3.468e+05	-25.85	-0.05	-8921.25	0.0	-300.67	5134.31	-1.59e-03	-1080.59	-25.85	-5.171e+05
		-5.171e+05	-26.78	-3.32e-05	0.0	585.0	-300.67	-3786.94	-1.59e-03	-1080.59	-26.78	-1.230e+05
14	73	3.663e+05	-26.32	-0.06	-9424.35	0.0	-318.71	5423.18	-5.72e-03	-1001.06	-26.32	-5.460e+05
		-5.460e+05	-29.66	-3.35e-05	0.0	585.0	-318.71	-4001.17	-5.72e-03	-1001.06	-29.66	-1.301e+05
14	74	3.468e+05	-25.85	-0.05	-8921.25	0.0	-300.67	5134.31	-1.59e-03	-1080.59	-25.85	-5.171e+05
		-5.171e+05	-26.78	-3.32e-05	0.0	585.0	-300.67	-3786.94	-1.59e-03	-1080.59	-26.78	-1.230e+05
15	1	9.483e+04	62.02	-0.01	-2515.50	0.0	8.77	1257.76	1.68e-03	0.05	61.30	-4.038e+04
		-4.038e+04	61.30	-3.34e-05	0.0	430.0	8.77	-1257.74	1.68e-03	0.05	62.02	-4.037e+04
15	2	9.822e+04	84.15	-0.01	-2515.50	0.0	46.69	1257.76	1.98e-03	0.18	83.30	-3.699e+04
		-3.699e+04	83.30	-4.54e-05	0.0	430.0	46.69	-1257.74	1.98e-03	0.18	84.15	-3.699e+04
15	3	7.295e+04	47.71	-8.03e-03	-1935.00	0.0	6.74	967.50	1.29e-03	0.04	47.16	-3.106e+04
		-3.106e+04	47.16	-2.57e-05	0.0	430.0	6.74	-967.50	1.29e-03	0.04	47.71	-3.106e+04
15	14	6.671e+05	6199.02	0.04	-1935.00	0.0	-5.58	4208.74	-28.43	-4022.59	6199.02	-7.267e+05
		-7.267e+05	-6026.53	1.35e-03	0.0	430.0	-5.58	2273.74	-28.43	-4022.59	-6026.53	6.671e+05
15	15	6.645e+05	6121.96	-0.04	-1935.00	0.0	19.07	-2273.73	28.43	4022.66	-6104.70	6.645e+05
		-7.293e+05	-6104.70	-1.37e-03	0.0	430.0	19.07	-4208.73	28.43	4022.66	6121.96	-7.293e+05
15	21	1.695e+06	8413.73	-0.13	-1935.00	0.0	4.68	-7056.94	38.86	1.461e+04	-8295.65	1.695e+06
		-1.756e+06	-8295.65	0.03	0.0	430.0	4.68	-8991.94	38.86	1.461e+04	8413.73	-1.756e+06

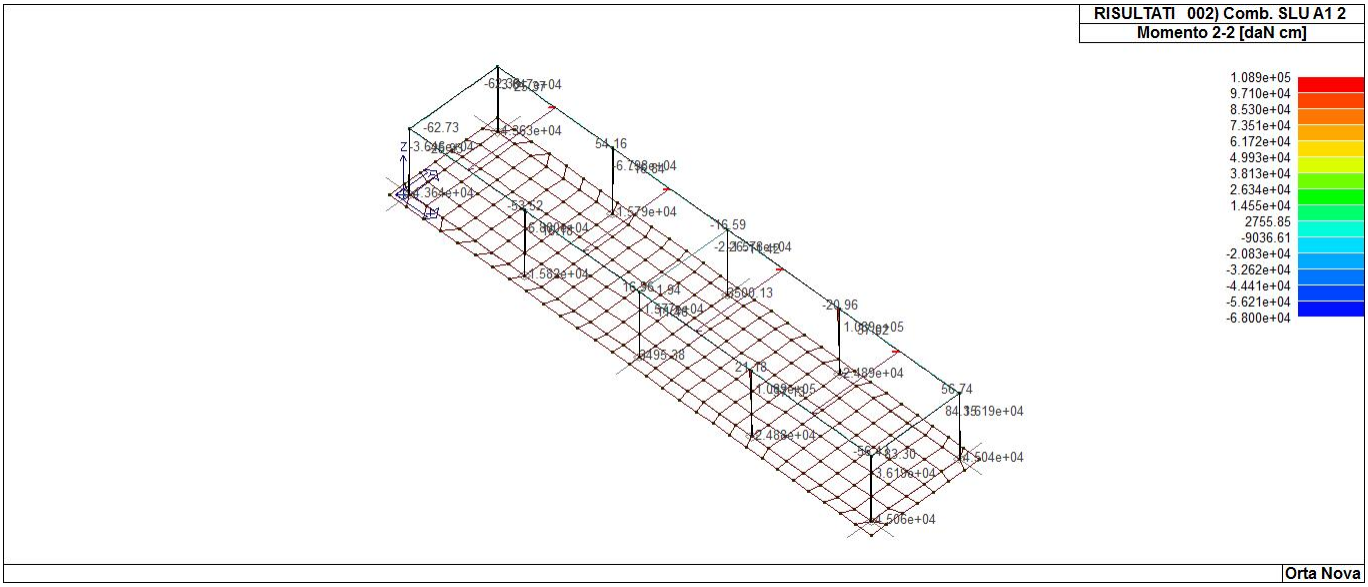
15	26	1.695e+06	8413.63	0.13	-1935.00	0.0	1.68	8992.04	-38.86	-1.461e+04	8413.63	-1.756e+06
		-1.756e+06	-8295.42	-0.03	0.0	430.0	1.68	7057.04	-38.86	-1.461e+04	-8295.42	1.695e+06
15	27	1.694e+06	8390.84	-0.13	-1935.00	0.0	11.80	-7057.03	38.86	1.461e+04	-8319.31	1.694e+06
		-1.757e+06	-8319.31	0.03	0.0	430.0	11.80	-8992.03	38.86	1.461e+04	8390.84	-1.757e+06
15	46	2.433e+05	2516.94	0.02	-1935.00	0.0	1.73	2240.87	-11.41	-1549.38	2516.94	-3.043e+05
		-3.043e+05	-2390.30	6.45e-04	0.0	430.0	1.73	305.87	-11.41	-1549.38	-2390.30	2.433e+05
15	47	2.422e+05	2485.72	-0.02	-1935.00	0.0	11.76	-305.86	11.41	1549.46	-2422.63	2.422e+05
		-3.054e+05	-2422.63	-6.68e-04	0.0	430.0	11.76	-2240.86	11.41	1549.46	2485.72	-3.054e+05
15	53	6.381e+05	3331.11	-0.05	-1935.00	0.0	5.88	-2144.03	15.25	5653.03	-3226.74	6.381e+05
		-6.999e+05	-3226.74	0.01	0.0	430.0	5.88	-4079.03	15.25	5653.03	3331.11	-6.999e+05
15	58	6.381e+05	3330.74	0.05	-1935.00	0.0	4.70	4079.08	-15.25	-5652.87	3330.74	-6.999e+05
		-6.999e+05	-3226.32	-0.01	0.0	430.0	4.70	2144.08	-15.25	-5652.87	-3226.32	6.381e+05
15	59	6.378e+05	3321.74	-0.05	-1935.00	0.0	8.78	-2144.07	15.25	5652.94	-3236.42	6.378e+05
		-7.002e+05	-3236.42	0.01	0.0	430.0	8.78	-4079.07	15.25	5652.94	3321.74	-7.002e+05
15	69	7.295e+04	47.71	-8.03e-03	-1935.00	0.0	6.74	967.50	1.29e-03	0.04	47.16	-3.106e+04
		-3.106e+04	47.16	-2.57e-05	0.0	430.0	6.74	-967.50	1.29e-03	0.04	47.71	-3.106e+04
15	70	7.295e+04	47.71	-8.03e-03	-1935.00	0.0	6.74	967.50	1.29e-03	0.04	47.16	-3.106e+04
		-3.106e+04	47.16	-2.57e-05	0.0	430.0	6.74	-967.50	1.29e-03	0.04	47.71	-3.106e+04
15	71	7.520e+04	62.46	-8.33e-03	-1935.00	0.0	32.02	967.51	1.49e-03	0.12	61.82	-2.880e+04
		-2.880e+04	61.82	-3.37e-05	0.0	430.0	32.02	-967.49	1.49e-03	0.12	62.46	-2.880e+04
15	72	7.295e+04	47.71	-8.03e-03	-1935.00	0.0	6.74	967.50	1.29e-03	0.04	47.16	-3.106e+04
		-3.106e+04	47.16	-2.57e-05	0.0	430.0	6.74	-967.50	1.29e-03	0.04	47.71	-3.106e+04
15	73	7.340e+04	50.66	-8.09e-03	-1935.00	0.0	11.80	967.51	1.33e-03	0.05	50.09	-3.061e+04
		-3.061e+04	50.09	-2.73e-05	0.0	430.0	11.80	-967.49	1.33e-03	0.05	50.66	-3.061e+04
15	74	7.295e+04	47.71	-8.03e-03	-1935.00	0.0	6.74	967.50	1.29e-03	0.04	47.16	-3.106e+04
		-3.106e+04	47.16	-2.57e-05	0.0	430.0	6.74	-967.50	1.29e-03	0.04	47.71	-3.106e+04
16	2	5.976e+05	56.74	-0.09	-1.537e+04	0.0	-526.09	8841.12	0.03	805.44	37.02	-8.892e+05
		-8.892e+05	37.02	4.67e-05	0.0	585.0	-526.09	-6529.76	0.03	805.44	56.74	-2.131e+05
16	3	3.468e+05	26.99	-0.05	-8921.25	0.0	-300.62	5134.32	2.07e-03	1078.89	25.78	-5.171e+05
		-5.171e+05	25.78	3.40e-05	0.0	585.0	-300.62	-3786.93	2.07e-03	1078.89	26.99	-1.230e+05
16	15	4.748e+05	319.86	-0.06	-8921.25	0.0	538.42	6730.28	0.41	2.758e+04	71.19	-1.010e+06
		-1.010e+06	71.19	-0.04	0.0	585.0	538.42	-2190.97	0.41	2.758e+04	319.86	3.175e+05
16	21	3.336e+05	7256.54	-0.09	-8921.25	0.0	5022.06	5063.81	-22.24	9.348e+04	7256.54	-5.071e+05
		-5.071e+05	-5760.81	-0.03	0.0	585.0	5022.06	-3857.44	-22.24	9.348e+04	-5760.81	-1.542e+05
16	24	3.600e+05	5814.78	0.07	-8921.25	0.0	-5623.31	5204.83	22.25	-9.133e+04	-7204.98	-5.270e+05
		-5.270e+05	-7204.98	0.03	0.0	585.0	-5623.31	-3716.42	22.25	-9.133e+04	5814.78	-9.172e+04
16	30	3.398e+05	1.486e+04	-0.04	-8921.25	0.0	-4142.75	4629.65	53.15	-8.640e+04	-1.623e+04	-3.608e+05
		-3.608e+05	-1.623e+04	-0.12	0.0	585.0	-4142.75	-4291.60	53.15	-8.640e+04	1.486e+04	-2.644e+05
16	31	3.706e+05	1.628e+04	-0.07	-8921.25	0.0	3541.51	5638.98	-53.15	8.856e+04	1.628e+04	-6.734e+05
		-6.734e+05	-1.481e+04	0.12	0.0	585.0	3541.51	-3282.27	-53.15	8.856e+04	-1.481e+04	1.849e+04
16	47	3.776e+05	180.26	-0.05	-8921.25	0.0	10.13	5782.79	0.30	1.131e+04	0.48	-7.174e+05
		-7.174e+05	0.48	-0.02	0.0	585.0	10.13	-3138.46	0.30	1.131e+04	180.26	5.607e+04
16	53	3.415e+05	2826.83	-0.07	-8921.25	0.0	1764.03	5098.57	-8.62	3.686e+04	2826.83	-5.106e+05
		-5.106e+05	-2218.27	-0.01	0.0	585.0	1764.03	-3822.68	-8.62	3.686e+04	-2218.27	-1.374e+05
16	56	3.521e+05	2272.24	-0.04	-8921.25	0.0	-2365.27	5170.07	8.63	-3.470e+04	-2775.28	-5.235e+05
		-5.235e+05	-2775.28	0.01	0.0	585.0	-2365.27	-3751.18	8.63	-3.470e+04	2272.24	-1.085e+05
16	62	3.423e+05	5784.25	-0.05	-8921.25	0.0	-1785.03	4928.71	20.63	-3.278e+04	-6282.73	-4.534e+05
		-4.534e+05	-6282.73	-0.05	0.0	585.0	-1785.03	-3992.54	20.63	-3.278e+04	5784.25	-1.805e+05
16	63	3.529e+05	6334.29	-0.06	-8921.25	0.0	1183.78	5339.93	-20.62	3.494e+04	6334.29	-5.807e+05
		-5.807e+05	-5730.27	0.05	0.0	585.0	1183.78	-3581.32	-20.62	3.494e+04	-5730.27	-6.542e+04
16	69	3.468e+05	26.99	-0.05	-8921.25	0.0	-300.62	5134.32	2.07e-03	1078.89	25.78	-5.171e+05
		-5.171e+05	25.78	3.40e-05	0.0	585.0	-300.62	-3786.93	2.07e-03	1078.89	26.99	-1.230e+05
16	70	3.468e+05	26.99	-0.05	-8921.25	0.0	-300.62	5134.32	2.07e-03	1078.89	25.78	-5.171e+05
		-5.171e+05	25.78	3.40e-05	0.0	585.0	-300.62	-3786.93	2.07e-03	1078.89	26.99	-1.230e+05
16	71	4.446e+05	41.42	-0.07	-1.144e+04	0.0	-390.81	6578.65	0.02	680.81	28.12	-6.617e+05
		-6.617e+05	28.12	3.57e-05	0.0	585.0	-390.81	-4858.10	0.02	680.81	41.42	-1.584e+05
16	72	3.468e+05	26.99	-0.05	-8921.25	0.0	-300.62	5134.32	2.07e-03	1078.89	25.78	-5.171e+05
		-5.171e+05	25.78	3.40e-05	0.0	585.0	-300.62	-3786.93	2.07e-03	1078.89	26.99	-1.230e+05
16	73	3.663e+05	29.87	-0.06	-9424.35	0.0	-318.66	5423.18	6.20e-03	999.27	26.25	-5.460e+05
		-5.460e+05	26.25	3.43e-05	0.0	585.0	-318.66	-4001.17	6.20e-03	999.27	29.87	-1.301e+05
16	74	3.468e+05	26.99	-0.05	-8921.25	0.0	-300.62	5134.32	2.07e-03	1078.89	25.78	-5.171e+05
		-5.171e+05	25.78	3.40e-05	0.0	585.0	-300.62	-3786.93	2.07e-03	1078.89	26.99	-1.230e+05
17	2	2.930e+05	-11.42	-0.03	-1.445e+04	0.0	-267.14	6935.62	-0.02	-2598.40	-11.42	-6.208e+05
		-7.803e+05	-20.96	-5.78e-05	0.0	550.0	-267.14	-7515.63	-0.02	-2598.40	-20.96	-7.803e+05
17	3	1.702e+05	-7.70	-0.02	-8387.50	0.0	-155.64	4016.86	4.23e-03	-2414.49	-10.03	-3.578e+05
		-4.551e+05	-10.03	-3.70e-05	0.0	550.0	-155.64	-4370.64	4.23e-03	-2414.49	-7.70	-4.551e+05
17	17	3.186e+05	5711.61	-0.02	-8387.50	0.0	2917.93	1981.99	-19.47	-1.994e+04	5711.61	1.902e+05
		-1.026e+06	-2800.70	0.06	0.0	550.0	2917.93	-6405.51	-19.47	-1.994e+04	-2800.70	-1.026e+06
17	21	1.828e+05	1.335e+04	0.02	-8387.50	0.0	1.021e+04	3318.44	29.71	-1.457e+05	2051.36	-1.769e+05
		-6.593e+05	2051.36	-0.07	0.0	550.0	1.021e+04	-5069.06	29.71	-1.457e+05	1.335e+04	-6.593e+05
17	24	1.908e+05	-2071.42	-0.03	-8387.50	0.0	-1.052e+04	4715.29	-29.71	1.409e+05	-2071.42	-5.387e+05
		-5.387e+05	-1.337e+04	0.07	0.0	550.0	-1.052e+04	-3672.21	-29.71	1.409e+05	-1.337e+04	-2.509e+05
17	49	1.985e+05	2265.07	-0.02	-8387.50	0.0	1040.91	3190.00	-7.81	-8960.61	2265.07	-1.351e+05
		-6.871e+05	-1156.36	0.02	0.0	550.0	1040.91	-5197.50	-7.81	-8960.61	-1156.36	-6.871e+05
17	53	1.725e+05	5199.29	-0.02	-8387.50	0.0	3857.58	3734.28	11.65	-5.795e+04	815.20	-2.844e+05
		-5.375e+05	815.20	-0.03	0.0	550.0	3857.58	-4653.22	11.65	-5.795e+04	5199.29	-5.375e+05

17	56	1.747e+05	-835.26	-0.02	-8387.50	0.0	-4168.87	4299.45	-11.64	5.312e+04	-835.26	-4.312e+05
		-4.312e+05	-5214.70	0.03	0.0	550.0	-4168.87	-4088.05	-11.64	5.312e+04	-5214.70	-3.726e+05
17	69	1.702e+05	-7.70	-0.02	-8387.50	0.0	-155.64	4016.86	4.23e-03	-2414.49	-10.03	-3.578e+05
		-4.551e+05	-10.03	-3.70e-05	0.0	550.0	-155.64	-4370.64	4.23e-03	-2414.49	-7.70	-4.551e+05
17	70	1.702e+05	-7.70	-0.02	-8387.50	0.0	-155.64	4016.86	4.23e-03	-2414.49	-10.03	-3.578e+05
		-4.551e+05	-10.03	-3.70e-05	0.0	550.0	-155.64	-4370.64	4.23e-03	-2414.49	-7.70	-4.551e+05
17	71	2.180e+05	-8.95	-0.02	-1.075e+04	0.0	-198.85	5159.33	-0.01	-2054.20	-8.95	-4.615e+05
		-5.809e+05	-15.00	-4.35e-05	0.0	550.0	-198.85	-5593.17	-0.01	-2054.20	-15.00	-5.809e+05
17	72	1.702e+05	-7.70	-0.02	-8387.50	0.0	-155.64	4016.86	4.23e-03	-2414.49	-10.03	-3.578e+05
		-4.551e+05	-10.03	-3.70e-05	0.0	550.0	-155.64	-4370.64	4.23e-03	-2414.49	-7.70	-4.551e+05
17	73	1.798e+05	-9.16	-0.02	-8860.50	0.0	-164.28	4245.36	1.18e-03	-2342.43	-9.81	-3.785e+05
		-4.802e+05	-9.81	-3.83e-05	0.0	550.0	-164.28	-4615.14	1.18e-03	-2342.43	-9.16	-4.802e+05
17	74	1.702e+05	-7.70	-0.02	-8387.50	0.0	-155.64	4016.86	4.23e-03	-2414.49	-10.03	-3.578e+05
		-4.551e+05	-10.03	-3.70e-05	0.0	550.0	-155.64	-4370.64	4.23e-03	-2414.49	-7.70	-4.551e+05
18	1	2.500e+05	-7.17	-0.03	-1.115e+04	0.0	-229.27	5779.17	-0.02	3151.25	-7.17	-5.912e+05
		-5.912e+05	-17.44	4.70e-05	0.0	562.5	-229.27	-5372.40	-0.02	3151.25	-17.44	-4.768e+05
18	2	3.311e+05	-16.59	-0.04	-1.478e+04	0.0	-304.16	7644.36	4.53e-04	2642.31	-16.84	-7.797e+05
		-7.797e+05	-16.84	5.63e-05	0.0	562.5	-304.16	-7135.32	4.53e-04	2642.31	-16.59	-6.365e+05
18	3	1.923e+05	-5.52	-0.02	-8578.13	0.0	-176.36	4445.51	-0.01	2424.04	-5.52	-4.548e+05
		-4.548e+05	-13.41	3.61e-05	0.0	562.5	-176.36	-4132.61	-0.01	2424.04	-13.41	-3.668e+05
18	15	3.288e+05	5664.07	-0.04	-8578.13	0.0	2831.86	6410.72	19.00	1.845e+04	-2665.63	-1.019e+06
		-1.019e+06	-2665.63	-0.06	0.0	562.5	2831.86	-2167.41	19.00	1.845e+04	5664.07	1.748e+05
18	30	2.136e+05	-1766.05	-0.02	-8578.13	0.0	-1.045e+04	3762.40	27.16	-1.371e+05	-1.282e+04	-2.502e+05
		-5.472e+05	-1.282e+04	-0.06	0.0	562.5	-1.045e+04	-4815.72	27.16	-1.371e+05	-1766.05	-5.472e+05
18	31	2.017e+05	1.281e+04	-0.03	-8578.13	0.0	1.010e+04	5128.62	-27.18	1.420e+05	1.281e+04	-6.594e+05
		-6.594e+05	1739.23	0.06	0.0	562.5	1.010e+04	-3449.50	-27.18	1.420e+05	1739.23	-1.864e+05
18	47	2.173e+05	2242.83	-0.03	-8578.13	0.0	995.24	5244.00	7.61	8388.02	-1101.77	-6.839e+05
		-6.839e+05	-1101.77	-0.03	0.0	562.5	995.24	-3334.12	7.61	8388.02	2242.83	-1.467e+05
18	62	1.970e+05	-719.52	-0.02	-8578.13	0.0	-4155.26	4169.41	10.64	-5.166e+04	-5001.70	-3.723e+05
		-4.399e+05	-5001.70	-0.02	0.0	562.5	-4155.26	-4408.72	10.64	-5.166e+04	-719.52	-4.399e+05
18	63	1.935e+05	4990.66	-0.03	-8578.13	0.0	3802.54	4721.62	-10.67	5.651e+04	4990.66	-5.373e+05
		-5.373e+05	692.70	0.02	0.0	562.5	3802.54	-3856.51	-10.67	5.651e+04	692.70	-2.937e+05
18	69	1.923e+05	-5.52	-0.02	-8578.13	0.0	-176.36	4445.51	-0.01	2424.04	-5.52	-4.548e+05
		-4.548e+05	-13.41	3.61e-05	0.0	562.5	-176.36	-4132.61	-0.01	2424.04	-13.41	-3.668e+05
18	70	1.923e+05	-5.52	-0.02	-8578.13	0.0	-176.36	4445.51	-0.01	2424.04	-5.52	-4.548e+05
		-4.548e+05	-13.41	3.61e-05	0.0	562.5	-176.36	-4132.61	-0.01	2424.04	-13.41	-3.668e+05
18	71	2.464e+05	-11.97	-0.03	-1.100e+04	0.0	-226.29	5688.98	-1.57e-03	2084.74	-11.97	-5.804e+05
		-5.804e+05	-12.85	4.24e-05	0.0	562.5	-226.29	-5307.90	-1.57e-03	2084.74	-12.85	-4.733e+05
18	72	1.923e+05	-5.52	-0.02	-8578.13	0.0	-176.36	4445.51	-0.01	2424.04	-5.52	-4.548e+05
		-4.548e+05	-13.41	3.61e-05	0.0	562.5	-176.36	-4132.61	-0.01	2424.04	-13.41	-3.668e+05
18	73	2.031e+05	-6.81	-0.03	-9061.88	0.0	-186.35	4694.21	-0.01	2356.18	-6.81	-4.799e+05
		-4.799e+05	-13.30	3.74e-05	0.0	562.5	-186.35	-4367.67	-0.01	2356.18	-13.30	-3.881e+05
18	74	1.923e+05	-5.52	-0.02	-8578.13	0.0	-176.36	4445.51	-0.01	2424.04	-5.52	-4.548e+05
		-4.548e+05	-13.41	3.61e-05	0.0	562.5	-176.36	-4132.61	-0.01	2424.04	-13.41	-3.668e+05
19	2	5.457e+05	54.16	-0.09	-1.478e+04	0.0	-466.47	6218.99	0.05	-899.54	25.37	-1.891e+05
		-8.477e+05	25.37	-6.60e-05	0.0	562.5	-466.47	-8560.70	0.05	-899.54	54.16	-8.477e+05
19	3	3.166e+05	36.60	-0.05	-8578.13	0.0	-266.26	3606.12	0.05	-1161.57	7.72	-1.090e+05
		-4.932e+05	7.72	-4.28e-05	0.0	562.5	-266.26	-4972.00	0.05	-1161.57	36.60	-4.932e+05
19	17	4.542e+05	176.99	-0.05	-8578.13	0.0	621.85	1926.22	0.10	-3.159e+04	129.41	3.341e+05
		-9.950e+05	129.41	0.04	0.0	562.5	621.85	-6651.91	0.10	-3.159e+04	176.99	-9.950e+05
19	21	3.423e+05	1.674e+04	-0.04	-8578.13	0.0	3452.39	3070.12	57.17	-9.038e+04	-1.542e+04	3.488e+04
		-6.533e+05	-1.542e+04	-0.12	0.0	562.5	3452.39	-5508.01	57.17	-9.038e+04	1.674e+04	-6.533e+05
19	24	3.101e+05	1.544e+04	-0.07	-8578.13	0.0	-3984.92	4142.13	-57.07	8.806e+04	1.544e+04	-2.530e+05
		-3.331e+05	-1.667e+04	0.12	0.0	562.5	-3984.92	-4436.00	-57.07	8.806e+04	-1.667e+04	-3.331e+05
19	30	3.303e+05	6369.73	-0.09	-8578.13	0.0	-5529.03	3529.44	-24.78	9.521e+04	6369.73	-7.647e+04
		-5.037e+05	-7572.29	-0.02	0.0	562.5	-5529.03	-5048.68	-24.78	9.521e+04	-7572.29	-5.037e+05
19	31	3.029e+05	7645.49	0.05	-8578.13	0.0	4996.50	3682.80	24.89	-9.754e+04	-6354.29	-1.416e+05
		-4.827e+05	-6354.29	0.02	0.0	562.5	4996.50	-4895.32	24.89	-9.754e+04	7645.49	-4.827e+05
19	49	3.494e+05	95.50	-0.05	-8578.13	0.0	64.78	2923.54	-0.08	-1.297e+04	95.50	7.109e+04
		-6.970e+05	47.13	0.02	0.0	562.5	64.78	-5654.59	-0.08	-1.297e+04	47.13	-6.970e+05
19	53	3.245e+05	6517.34	-0.05	-8578.13	0.0	1170.89	3387.77	22.21	-3.569e+04	-5978.88	-5.051e+04
		-5.584e+05	-5978.88	-0.05	0.0	562.5	1170.89	-5190.36	22.21	-3.569e+04	6517.34	-5.584e+05
19	56	3.122e+05	5994.33	-0.06	-8578.13	0.0	-1703.42	3824.48	-22.11	3.337e+04	5994.33	-1.676e+05
		-4.280e+05	-6444.13	0.05	0.0	562.5	-1703.42	-4753.65	-22.11	3.337e+04	-6444.13	-4.280e+05
19	62	3.221e+05	2472.82	-0.07	-8578.13	0.0	-2307.36	3567.52	-9.57	3.615e+04	2472.82	-9.407e+04
		-4.999e+05	-2909.00	-9.65e-03	0.0	562.5	-2307.36	-5010.61	-9.57	3.615e+04	-2909.00	-4.999e+05
19	63	3.111e+05	2982.20	-0.04	-8578.13	0.0	1774.83	3644.73	9.67	-3.848e+04	-2457.38	-1.240e+05
		-4.865e+05	-2457.38	9.59e-03	0.0	562.5	1774.83	-4933.40	9.67	-3.848e+04	2982.20	-4.865e+05
19	69	3.166e+05	36.60	-0.05	-8578.13	0.0	-266.26	3606.12	0.05	-1161.57	7.72	-1.090e+05
		-4.932e+05	7.72	-4.28e-05	0.0	562.5	-266.26	-4972.00	0.05	-1161.57	36.60	-4.932e+05
19	70	3.166e+05	36.60	-0.05	-8578.13	0.0	-266.26	3606.12	0.05	-1161.57	7.72	-1.090e+05
		-4.932e+05	7.72	-4.28e-05	0.0	562.5	-266.26	-4972.00	0.05	-1161.57	36.60	-4.932e+05
19	71	4.060e+05	40.99	-0.07	-1.100e+04	0.0	-346.48	4626.81	0.04	-754.57	17.94	-1.406e+05
		-6.309e+05	17.94	-4.97e-05	0.0	562.5	-346.48	-6370.07	0.04	-754.57	40.99	-6.309e+05
19	72	3.166e+05	36.60	-0.05	-8578.13	0.0	-266.26	3606.12	0.05	-1161.57	7.72	-1.090e+05
		-4.932e+05	7.72	-4.28e-05	0.0	562.5	-266.26	-4972.00	0.05	-1161.57	36.60	-4.932e+05

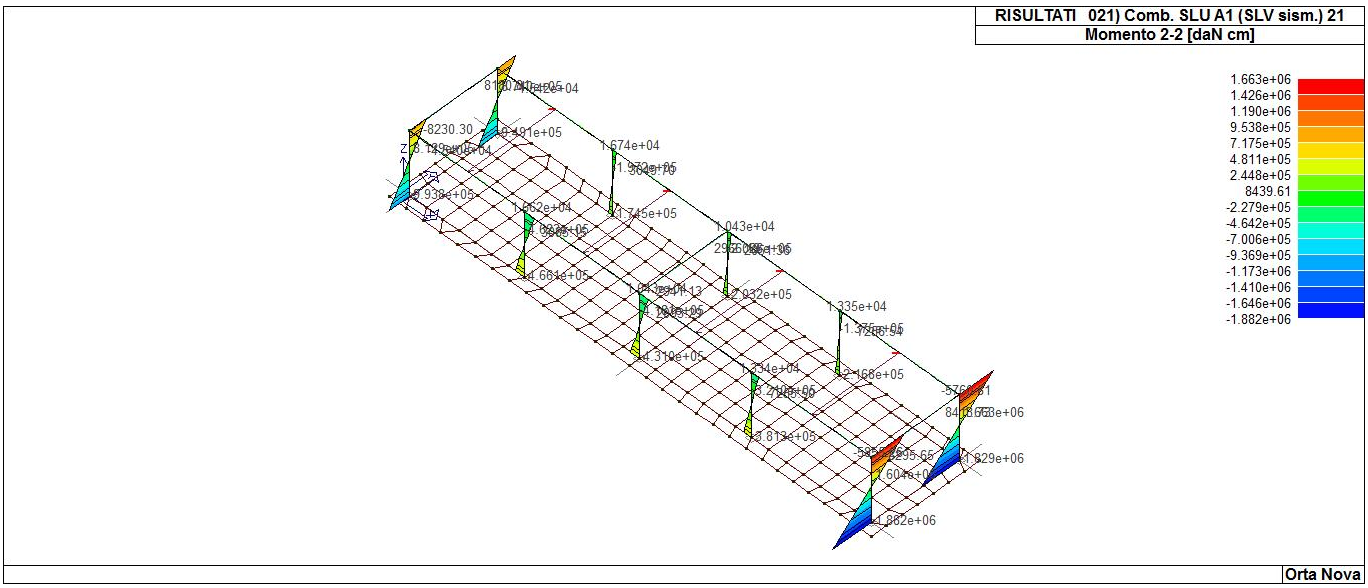
19	73	3.345e+05	37.48	-0.06	-9061.88	0.0	-282.31	3810.26	0.05	-1080.17	9.77	-1.154e+05
		-5.207e+05	9.77	-4.41e-05	0.0	562.5	-282.31	-5251.62	0.05	-1080.17	37.48	-5.207e+05
19	74	3.166e+05	36.60	-0.05	-8578.13	0.0	-266.26	3606.12	0.05	-1161.57	7.72	-1.090e+05
		-4.932e+05	7.72	-4.28e-05	0.0	562.5	-266.26	-4972.00	0.05	-1161.57	36.60	-4.932e+05
20	1	9.455e+04	-45.06	-0.01	-2515.50	0.0	1.85	1257.73	8.95e-04	0.22	-45.44	-4.066e+04
		-4.067e+04	-45.44	2.47e-05	0.0	430.0	1.85	-1257.77	8.95e-04	0.22	-45.06	-4.067e+04
20	2	9.785e+04	-62.36	-0.01	-2515.50	0.0	37.65	1257.73	8.53e-04	0.42	-62.73	-3.736e+04
		-3.737e+04	-62.73	3.42e-05	0.0	430.0	37.65	-1257.77	8.53e-04	0.42	-62.36	-3.737e+04
20	3	7.273e+04	-34.66	-8.00e-03	-1935.00	0.0	1.42	967.49	6.88e-04	0.17	-34.96	-3.128e+04
		-3.128e+04	-34.96	1.90e-05	0.0	430.0	1.42	-967.51	6.88e-04	0.17	-34.66	-3.128e+04
20	17	6.619e+05	6029.68	-0.04	-1935.00	0.0	7.17	-2262.68	-28.05	-4557.68	6029.68	6.619e+05
		-7.271e+05	-6034.48	1.98e-03	0.0	430.0	7.17	-4197.68	-28.05	-4557.68	-6034.48	-7.271e+05
20	20	6.646e+05	5965.16	0.04	-1935.00	0.0	-4.32	4197.65	28.05	4558.01	-6099.59	-7.245e+05
		-7.245e+05	-6099.59	-1.96e-03	0.0	430.0	-4.32	2262.65	28.05	4558.01	5965.16	6.646e+05
20	21	9.001e+05	8180.81	-0.08	-1935.00	0.0	3.37	-3366.14	38.16	-1.650e+04	-8230.30	9.001e+05
		-9.634e+05	-8230.30	-0.08	0.0	430.0	3.37	-5301.14	38.16	-1.650e+04	8180.81	-9.634e+05
20	24	9.008e+05	8160.39	0.08	-1935.00	0.0	-0.52	5301.11	-38.16	1.650e+04	8160.39	-9.626e+05
		-9.626e+05	-8250.13	0.08	0.0	430.0	-0.52	3366.11	-38.16	1.650e+04	-8250.13	9.008e+05
20	30	1.682e+06	8173.47	0.13	-1935.00	0.0	2.43	8938.70	38.14	1.580e+04	-8226.40	-1.746e+06
		-1.746e+06	-8226.40	0.03	0.0	430.0	2.43	7003.70	38.14	1.580e+04	8173.47	1.682e+06
20	31	1.683e+06	8156.49	-0.13	-1935.00	0.0	0.42	-7003.73	-38.14	-1.580e+04	8156.49	1.683e+06
		-1.745e+06	-8242.79	-0.03	0.0	430.0	0.42	-8938.73	-38.14	-1.580e+04	-8242.79	-1.745e+06
20	49	2.411e+05	2399.54	-0.02	-1935.00	0.0	3.75	-301.70	-11.26	-1760.27	2399.54	2.411e+05
		-3.047e+05	-2442.64	9.01e-04	0.0	430.0	3.75	-2236.70	-11.26	-1760.27	-2442.64	-3.047e+05
20	52	2.422e+05	2373.32	0.02	-1935.00	0.0	-0.90	2236.67	11.26	1760.60	-2469.45	-3.036e+05
		-3.036e+05	-2469.45	-8.89e-04	0.0	430.0	-0.90	301.67	11.26	1760.60	2373.32	2.422e+05
20	53	3.289e+05	3191.18	-0.03	-1935.00	0.0	2.21	-708.73	14.99	-6389.46	-3252.59	3.289e+05
		-3.918e+05	-3252.59	-0.03	0.0	430.0	2.21	-2643.73	14.99	-6389.46	3191.18	-3.918e+05
20	59	3.293e+05	3183.46	-0.03	-1935.00	0.0	0.86	-708.70	14.99	-6389.25	-3260.54	3.293e+05
		-3.915e+05	-3260.54	-0.03	0.0	430.0	0.86	-2643.70	14.99	-6389.25	3183.46	-3.915e+05
20	63	6.335e+05	3178.17	-0.05	-1935.00	0.0	1.01	-2123.45	-14.96	-6115.56	3178.17	6.335e+05
		-6.957e+05	-3254.67	-0.01	0.0	430.0	1.01	-4058.45	-14.96	-6115.56	-3254.67	-6.957e+05
20	65	6.331e+05	3186.12	-0.05	-1935.00	0.0	2.36	-2123.49	-14.96	-6115.77	3186.12	6.331e+05
		-6.960e+05	-3246.95	-0.01	0.0	430.0	2.36	-4058.49	-14.96	-6115.77	-3246.95	-6.960e+05
20	69	7.273e+04	-34.66	-8.00e-03	-1935.00	0.0	1.42	967.49	6.88e-04	0.17	-34.96	-3.128e+04
		-3.128e+04	-34.96	1.90e-05	0.0	430.0	1.42	-967.51	6.88e-04	0.17	-34.66	-3.128e+04
20	70	7.273e+04	-34.66	-8.00e-03	-1935.00	0.0	1.42	967.49	6.88e-04	0.17	-34.96	-3.128e+04
		-3.128e+04	-34.96	1.90e-05	0.0	430.0	1.42	-967.51	6.88e-04	0.17	-34.66	-3.128e+04
20	71	7.493e+04	-46.20	-8.29e-03	-1935.00	0.0	25.29	967.48	6.61e-04	0.30	-46.48	-2.908e+04
		-2.908e+04	-46.48	2.53e-05	0.0	430.0	25.29	-967.52	6.61e-04	0.30	-46.20	-2.908e+04
20	72	7.273e+04	-34.66	-8.00e-03	-1935.00	0.0	1.42	967.49	6.88e-04	0.17	-34.96	-3.128e+04
		-3.128e+04	-34.96	1.90e-05	0.0	430.0	1.42	-967.51	6.88e-04	0.17	-34.66	-3.128e+04
20	73	7.317e+04	-36.97	-8.06e-03	-1935.00	0.0	6.20	967.49	6.83e-04	0.19	-37.26	-3.084e+04
		-3.084e+04	-37.26	2.03e-05	0.0	430.0	6.20	-967.51	6.83e-04	0.19	-36.97	-3.084e+04
20	74	7.273e+04	-34.66	-8.00e-03	-1935.00	0.0	1.42	967.49	6.88e-04	0.17	-34.96	-3.128e+04
		-3.128e+04	-34.96	1.90e-05	0.0	430.0	1.42	-967.51	6.88e-04	0.17	-34.66	-3.128e+04
21	1	1.096e+05	-1.80	-0.01	-2515.50	0.0	-3.60	1257.77	-5.90e-04	-0.11	-1.80	-2.562e+04
		-2.562e+04	-2.05	1.13e-06	0.0	430.0	-3.60	-1257.73	-5.90e-04	-0.11	-2.05	-2.561e+04
21	2	1.138e+05	-1.94	-0.01	-2515.50	0.0	15.34	1257.78	-7.42e-04	-0.09	-1.94	-2.139e+04
		-2.139e+04	-2.26	1.23e-06	0.0	430.0	15.34	-1257.72	-7.42e-04	-0.09	-2.26	-2.138e+04
21	3	8.430e+04	-1.38	-9.58e-03	-1935.00	0.0	-2.77	967.52	-4.54e-04	-0.08	-1.38	-1.971e+04
		-1.971e+04	-1.58	0.0	0.0	430.0	-2.77	-967.48	-4.54e-04	-0.08	-1.58	-1.970e+04
21	4	8.854e+04	-1.53	-0.01	-1935.00	0.0	16.17	967.52	-6.06e-04	-0.07	-1.53	-1.548e+04
		-1.548e+04	-1.79	0.0	0.0	430.0	16.17	-967.48	-6.06e-04	-0.07	-1.79	-1.547e+04
21	10	2.892e+05	2474.45	0.01	-1935.00	0.0	-8.84	2414.93	11.29	-5061.04	-2384.35	-3.309e+05
		-3.309e+05	-2384.35	-0.03	0.0	430.0	-8.84	479.93	11.29	-5061.04	2474.45	2.892e+05
21	11	2.915e+05	2381.58	-0.02	-1935.00	0.0	3.30	-479.89	-11.30	5060.87	2381.58	2.915e+05
		-3.286e+05	-2477.61	0.03	0.0	430.0	3.30	-2414.89	-11.30	5060.87	-2477.61	-3.286e+05
21	24	1.011e+06	2938.36	0.05	-1935.00	0.0	-1.06	5757.29	-13.74	7341.41	2938.36	-1.050e+06
		-1.050e+06	-2969.35	0.06	0.0	430.0	-1.06	3822.29	-13.74	7341.41	-2969.35	1.011e+06
21	26	1.010e+06	2966.48	0.05	-1935.00	0.0	-4.68	5757.30	-13.74	7341.58	2966.48	-1.050e+06
		-1.050e+06	-2941.62	0.06	0.0	430.0	-4.68	3822.30	-13.74	7341.58	-2941.62	1.010e+06
21	30	1.013e+06	2878.27	0.05	-1935.00	0.0	-4.73	5776.06	13.33	-6837.36	-2853.34	-1.054e+06
		-1.054e+06	-2853.34	-0.06	0.0	430.0	-4.73	3841.06	13.33	-6837.36	2878.27	1.013e+06
21	36	1.014e+06	2850.54	0.05	-1935.00	0.0	-1.11	5776.05	13.33	-6837.53	-2881.45	-1.053e+06
		-1.053e+06	-2881.45	-0.06	0.0	430.0	-1.11	3841.05	13.33	-6837.53	2850.54	1.014e+06
21	42	1.182e+05	996.09	-6.78e-03	-1935.00	0.0	-5.25	1527.93	4.55	-2032.08	-961.05	-1.402e+05
		-1.402e+05	-961.05	-0.01	0.0	430.0	-5.25	-407.07	4.55	-2032.08	996.09	9.987e+04
21	43	1.192e+05	958.28	-0.01	-1935.00	0.0	-0.30	407.10	-4.55	2031.91	958.28	1.008e+05
		-1.393e+05	-999.25	0.01	0.0	430.0	-0.30	-1527.90	-4.55	2031.91	-999.25	-1.393e+05
21	56	3.792e+05	1155.82	0.02	-1935.00	0.0	-2.07	2821.70	-5.41	2878.73	1155.82	-4.184e+05
		-4.184e+05	-1170.23	0.02	0.0	430.0	-2.07	886.70	-5.41	2878.73	-1170.23	3.792e+05
21	58	3.789e+05	1167.30	0.02	-1935.00	0.0	-3.55	2821.71	-5.41	2878.80	1167.30	-4.186e+05
		-4.186e+05	-1158.90	0.02	0.0	430.0	-3.55	886.71	-5.41	2878.80	-1158.90	3.789e+05
21	62	3.802e+05	1132.46	0.02	-1935.00	0.0	-3.57	2829.00	5.25	-2683.95	-1124.03	-4.199e+05
		-4.199e+05	-1124.03	-0.02	0.0	430.0	-3.57	894.00	5.25	-2683.95	1132.46	3.802e+05

21	68	3.805e+05	1121.14	0.02	-1935.00	0.0	-2.09	2829.00	5.25	-2684.02	-1135.51 -4.197e+05
		-4.197e+05	-1135.51	-0.02	0.0	430.0	-2.09	894.00	5.25	-2684.02	1121.14 3.805e+05
21	69	8.430e+04	-1.38	-9.58e-03	-1935.00	0.0	-2.77	967.52	-4.54e-04	-0.08	-1.38 -1.971e+04
		-1.971e+04	-1.58	0.0	0.0	430.0	-2.77	-967.48	-4.54e-04	-0.08	-1.58 -1.970e+04
21	70	8.430e+04	-1.38	-9.58e-03	-1935.00	0.0	-2.77	967.52	-4.54e-04	-0.08	-1.38 -1.971e+04
		-1.971e+04	-1.58	0.0	0.0	430.0	-2.77	-967.48	-4.54e-04	-0.08	-1.58 -1.970e+04
21	71	8.712e+04	-1.48	-9.96e-03	-1935.00	0.0	9.86	967.52	-5.55e-04	-0.07	-1.48 -1.689e+04
		-1.689e+04	-1.72	0.0	0.0	430.0	9.86	-967.48	-5.55e-04	-0.07	-1.72 -1.688e+04
21	72	8.430e+04	-1.38	-9.58e-03	-1935.00	0.0	-2.77	967.52	-4.54e-04	-0.08	-1.38 -1.971e+04
		-1.971e+04	-1.58	0.0	0.0	430.0	-2.77	-967.48	-4.54e-04	-0.08	-1.58 -1.970e+04
21	73	8.487e+04	-1.40	-9.65e-03	-1935.00	0.0	-0.25	967.52	-4.74e-04	-0.08	-1.40 -1.914e+04
		-1.914e+04	-1.61	0.0	0.0	430.0	-0.25	-967.48	-4.74e-04	-0.08	-1.61 -1.913e+04
21	74	8.430e+04	-1.38	-9.58e-03	-1935.00	0.0	-2.77	967.52	-4.54e-04	-0.08	-1.38 -1.971e+04
		-1.971e+04	-1.58	0.0	0.0	430.0	-2.77	-967.48	-4.54e-04	-0.08	-1.58 -1.970e+04

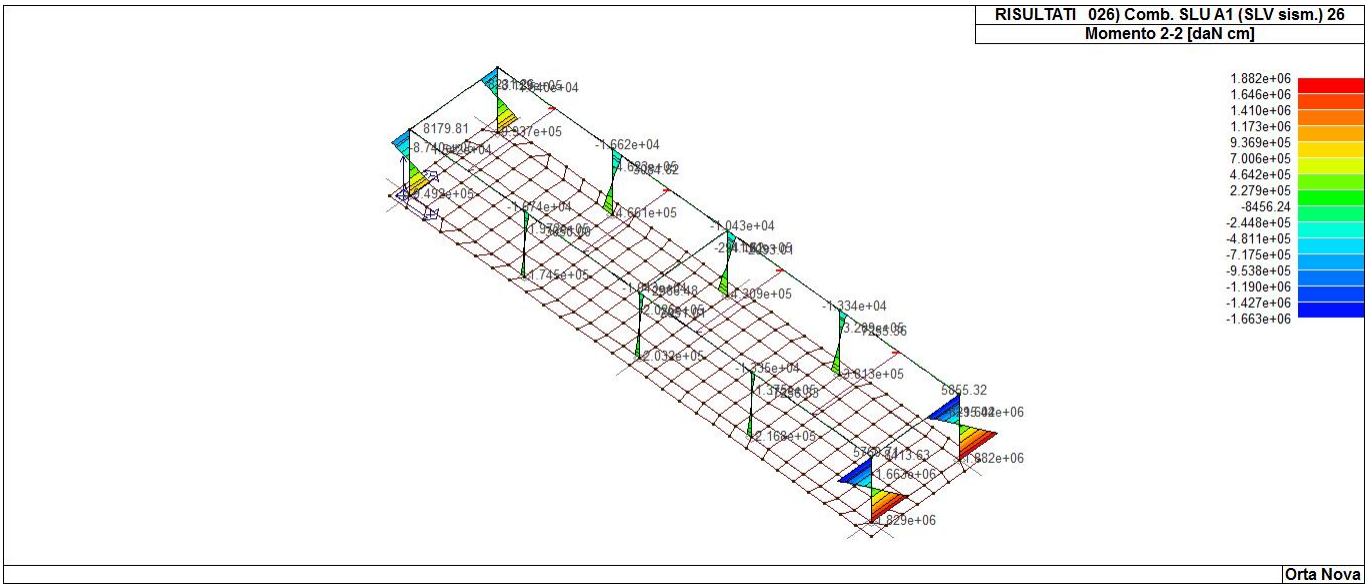
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-1.757e+06	-1.674e+04	-0.13	-1.537e+04	-1.052e+04	-8992.03	-57.17	-1.457e+05
	1.695e+06	1.674e+04	0.13	0.0	1.021e+04	8992.04	57.17	1.457e+05



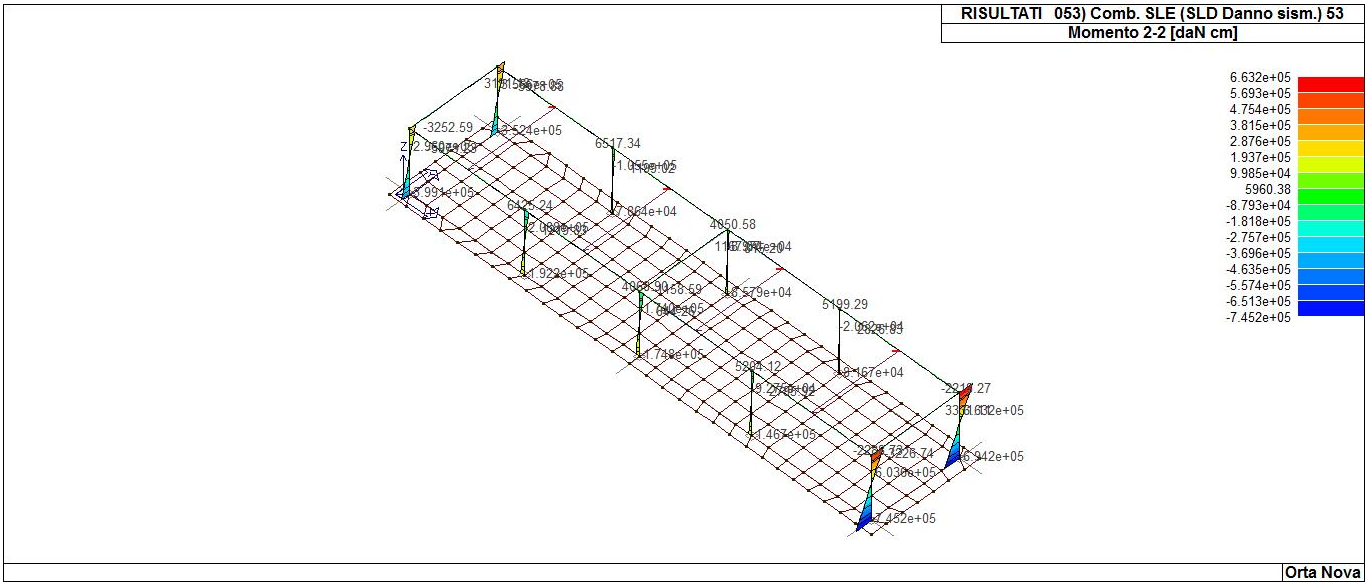
43_RIS_M2_002_Comb. SLU A1 2



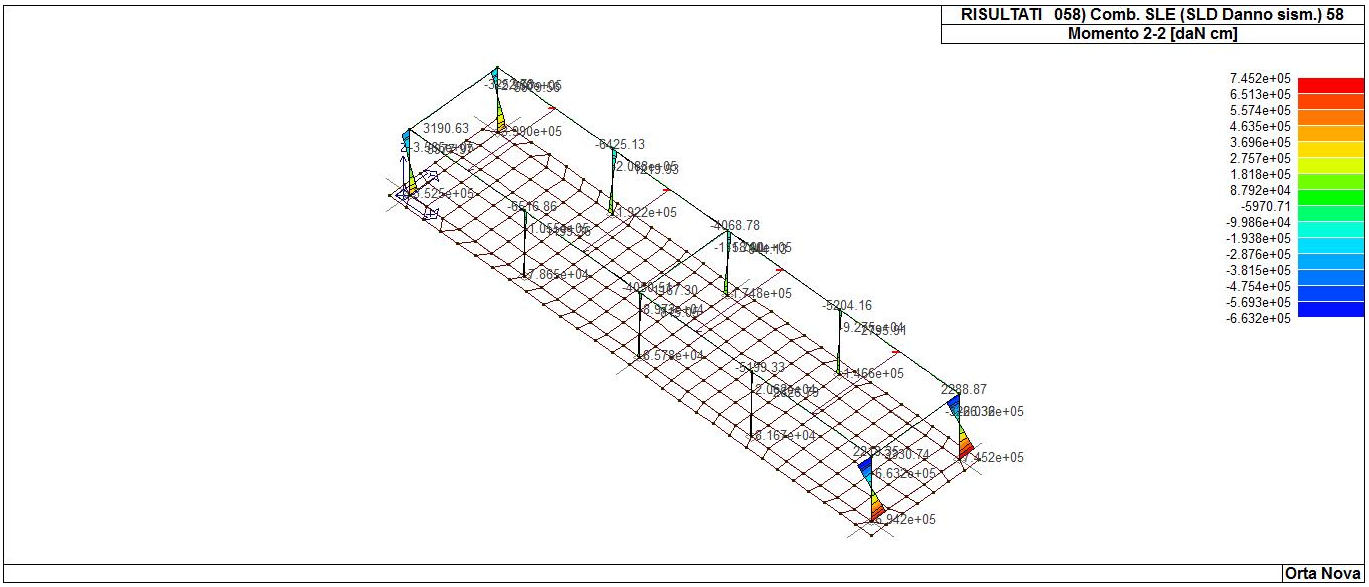
43_RIS_M2_021_Comb. SLU A1 (SLV sism.) 21



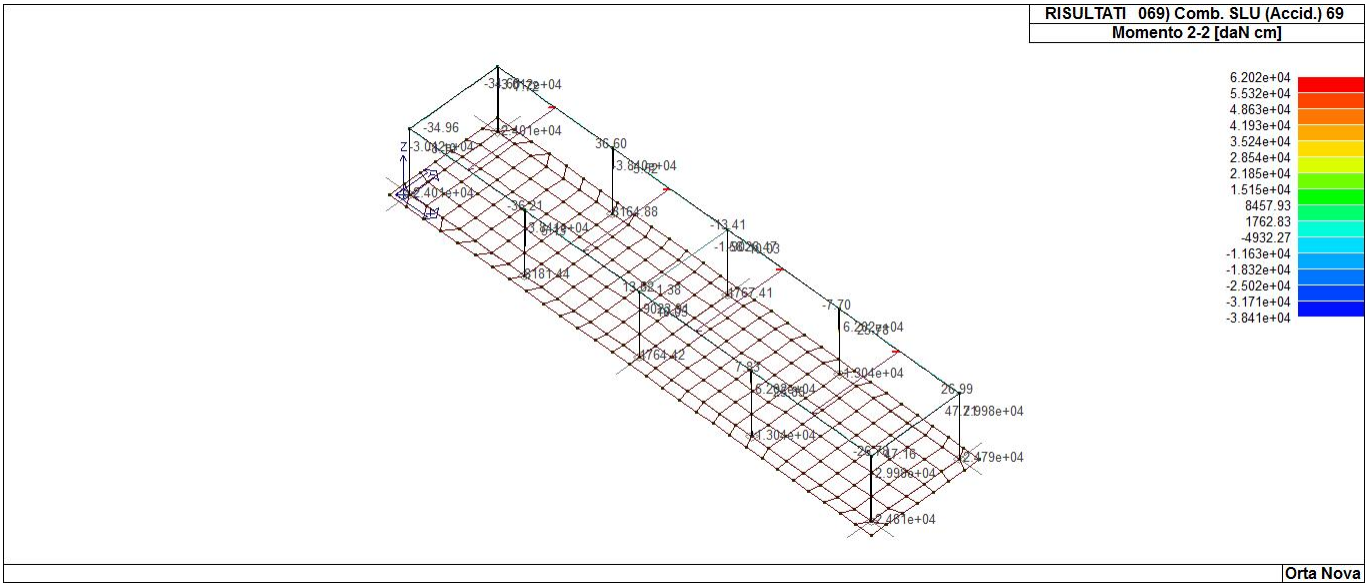
43_RIS_M2_026_Comb. SLU A1 (SLV sism.) 26



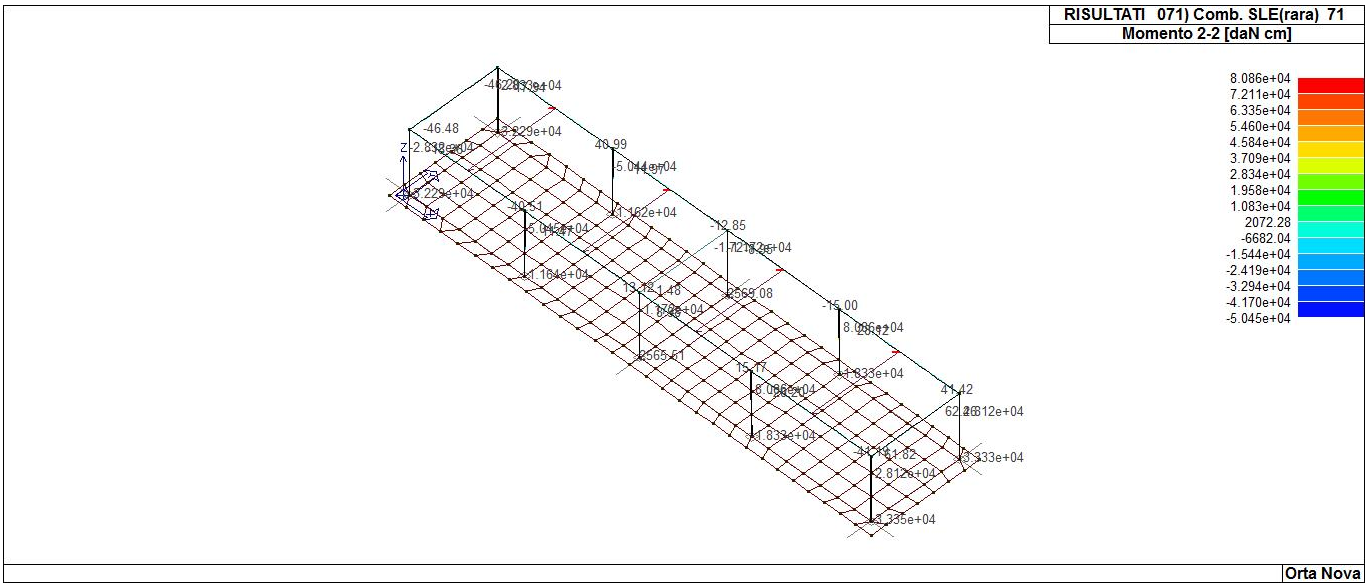
43_RIS_M2_053_Comb. SLE (SLD Danno sism.) 53



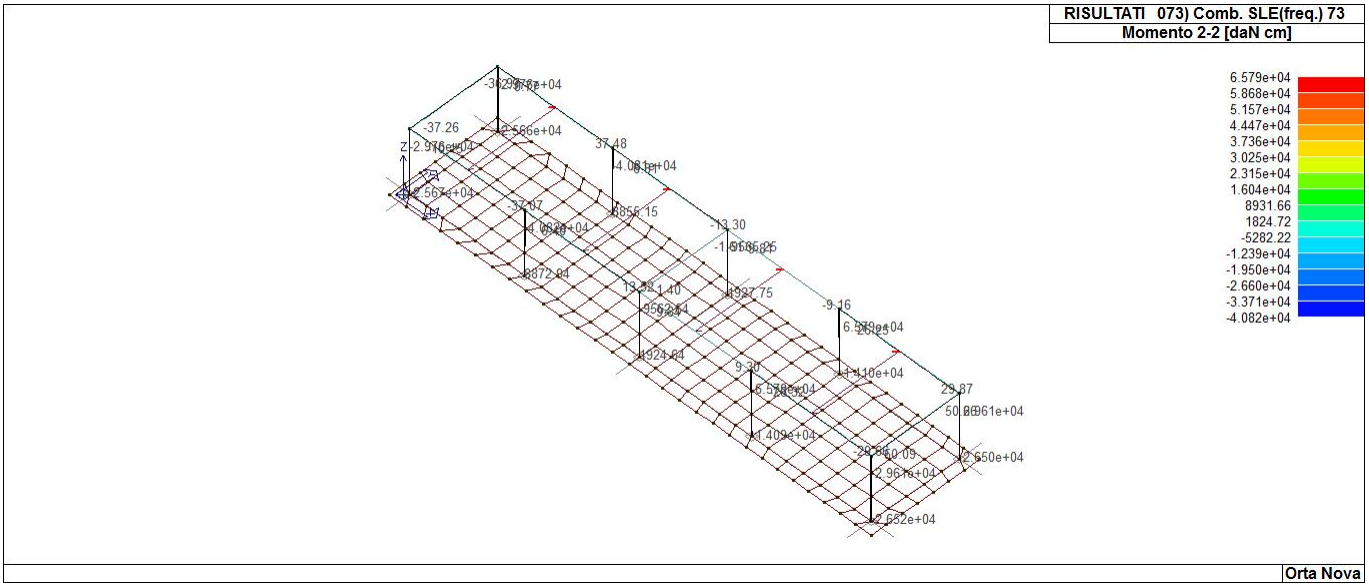
43_RIS_M2_058_Comb. SLE (SLD Danno sism.) 58



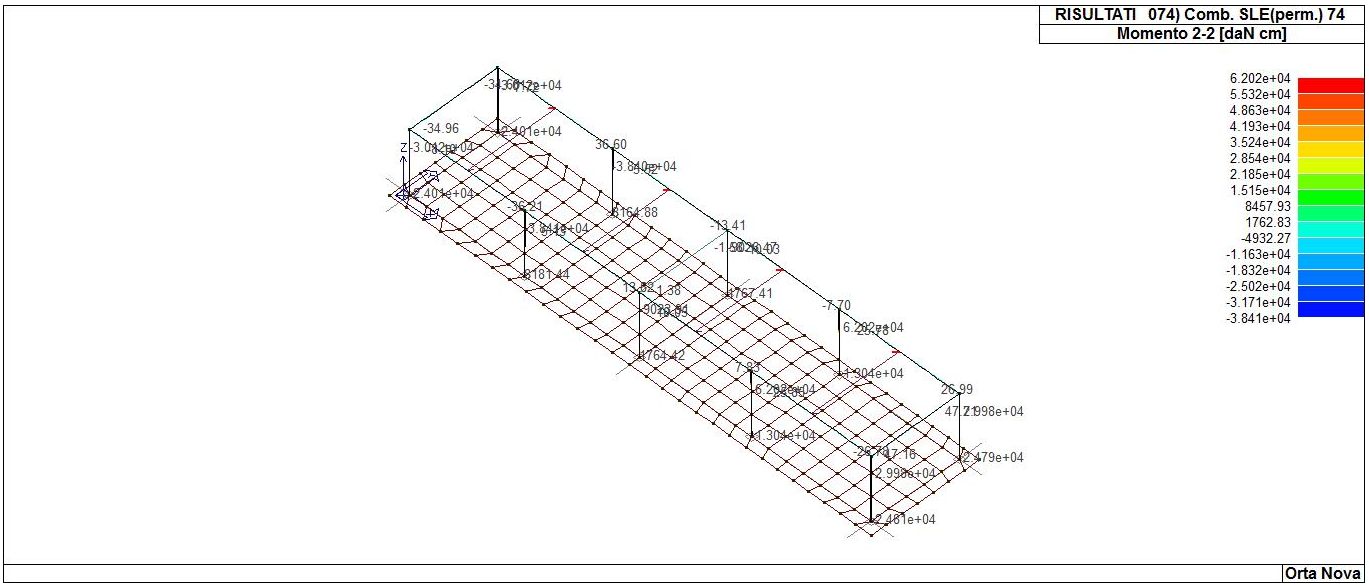
43_RIS_M2_069_Comb. SLU (Accid.) 69



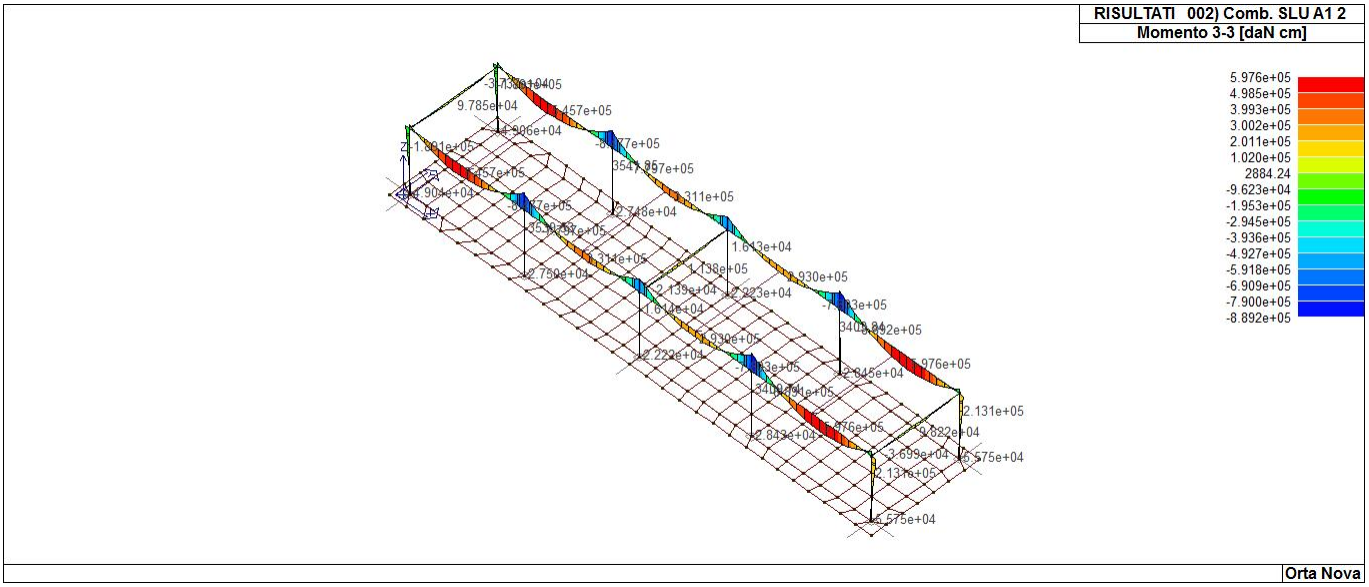
43_RIS_M2_071_Comb. SLE(rara) 71



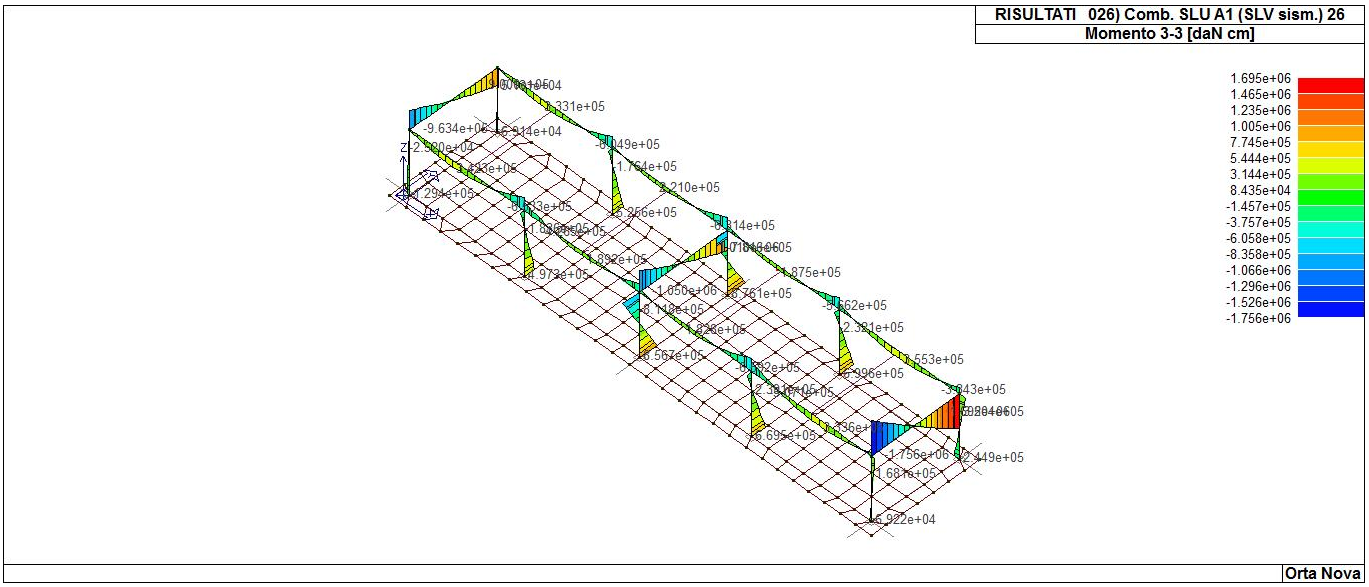
43_RIS_M2_073_Comb. SLE(freq.) 73



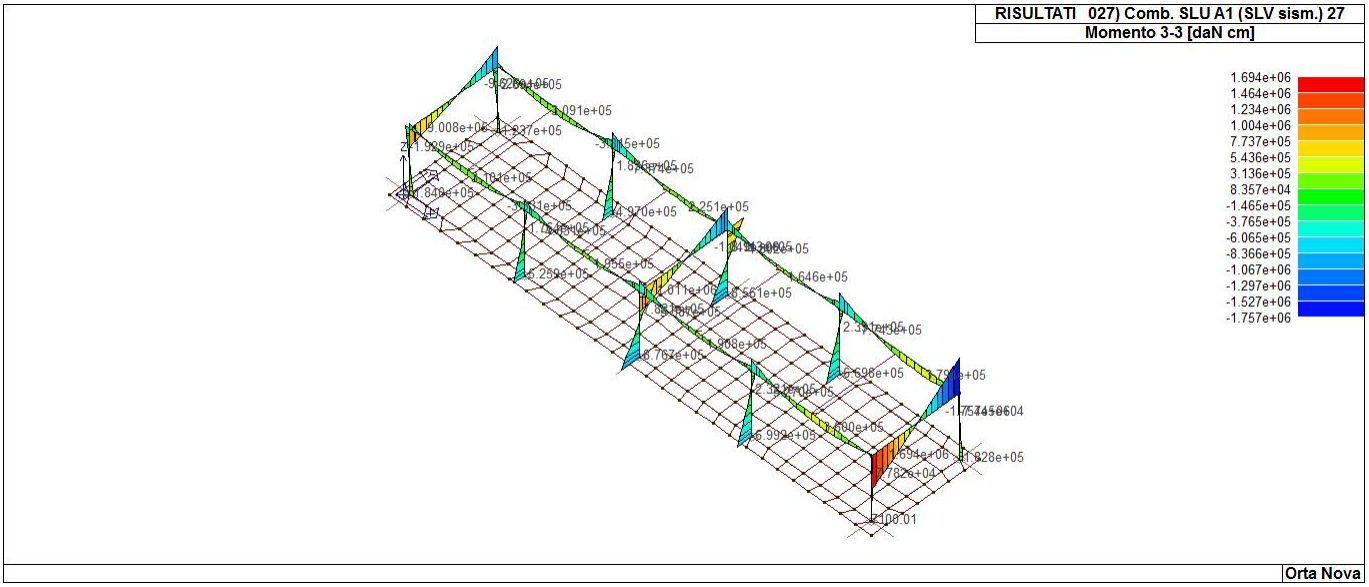
43_RIS_M2_074_Comb. SLE(perm.) 74



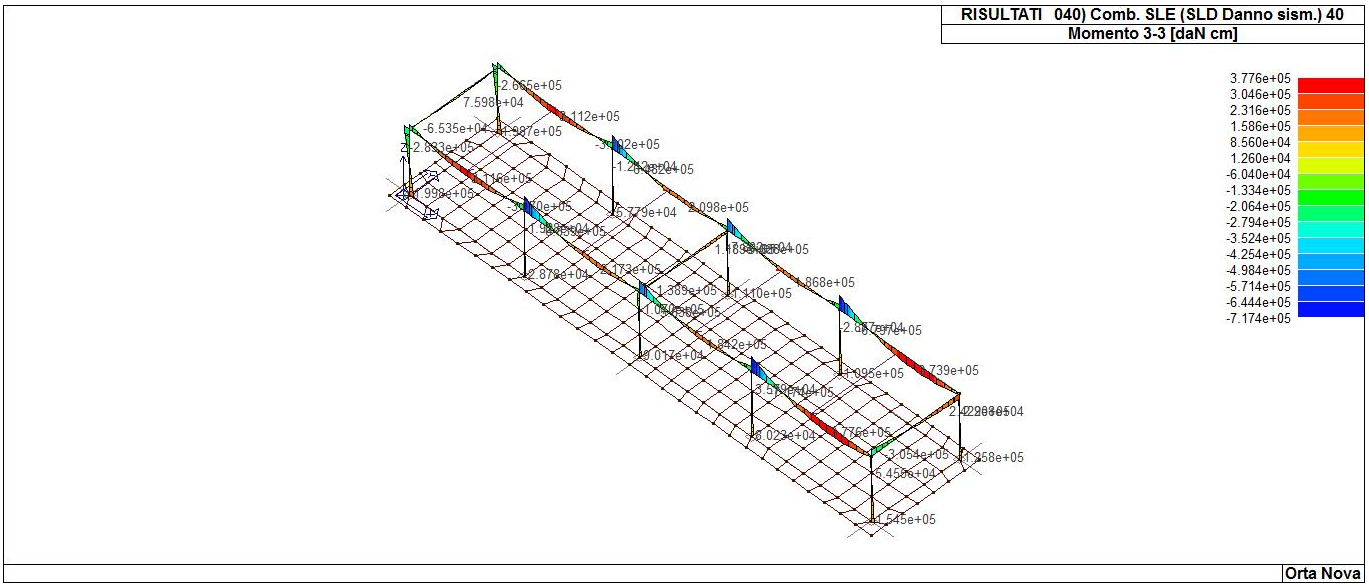
43_RIS_M3_002_Comb. SLU A1 2



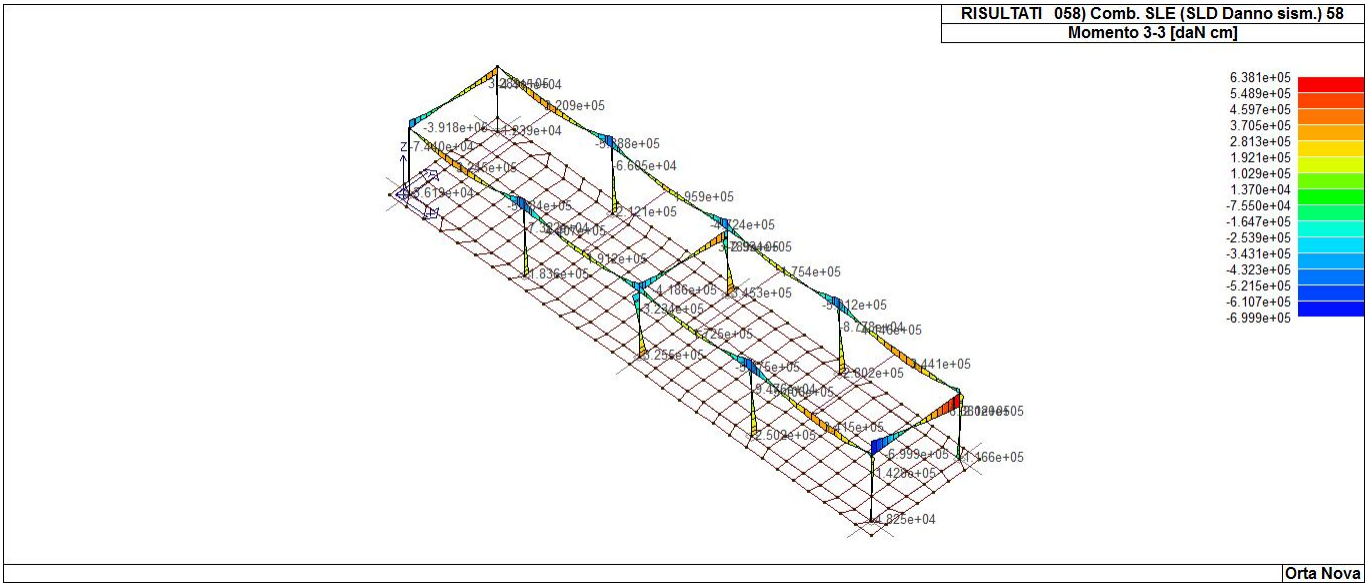
43_RIS_M3_026_Comb. SLU A1 (SLV sism.) 26



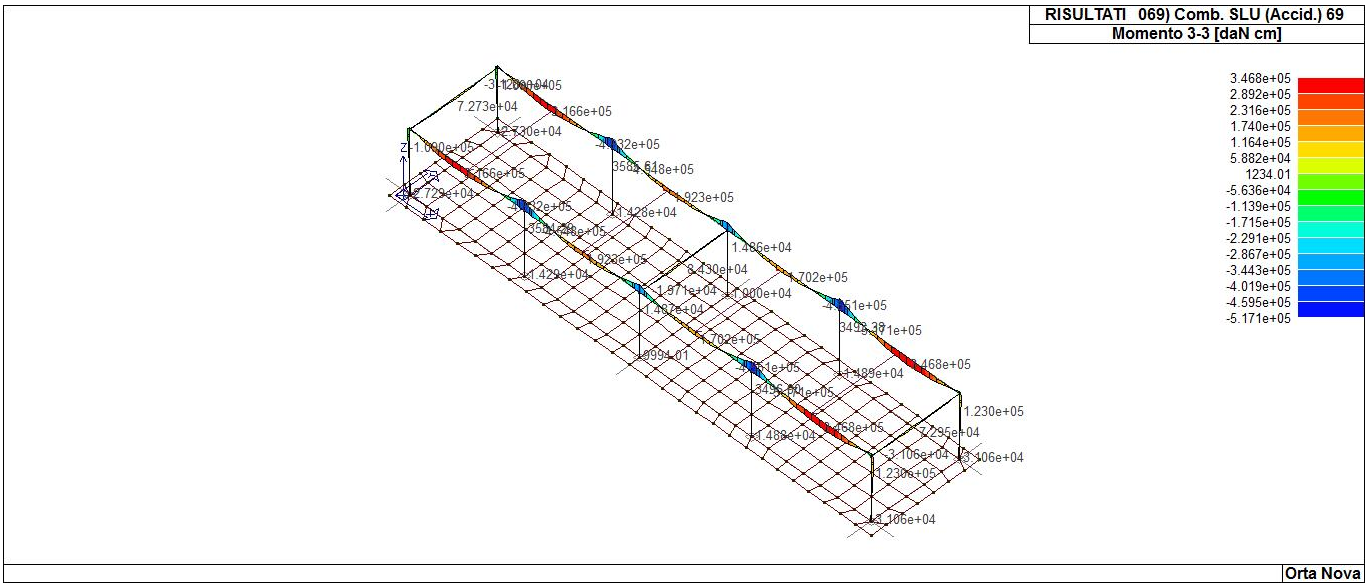
43_RIS_M3_027_Comb. SLU A1 (SLV sism.) 27



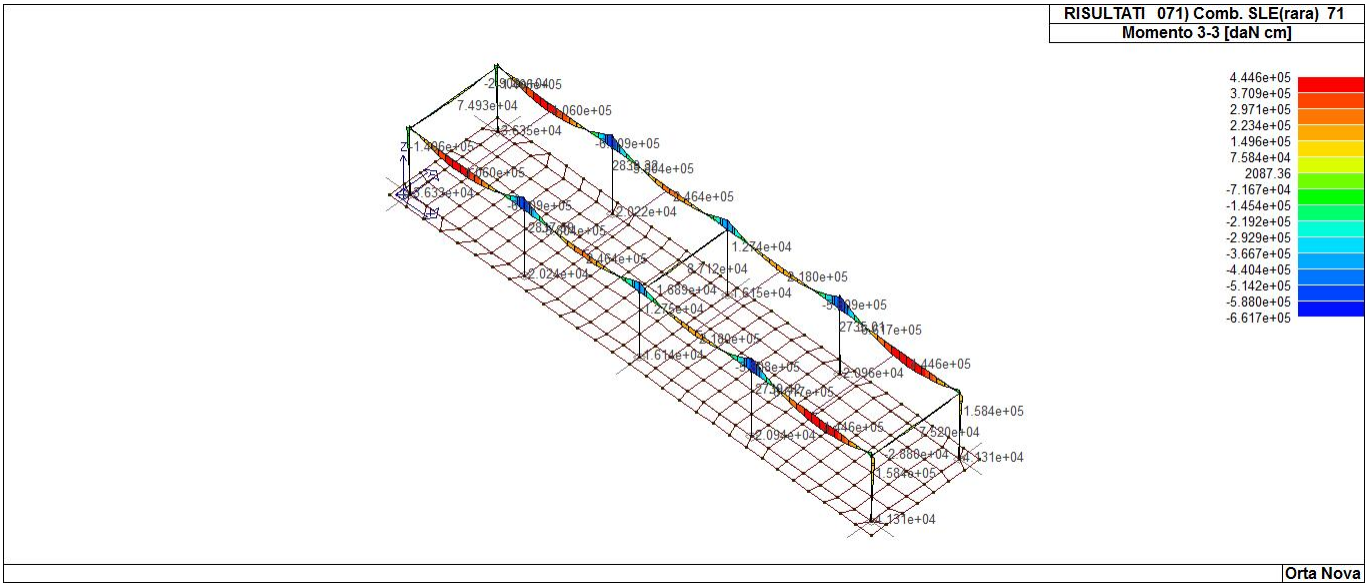
43_RIS_M3_040_Comb. SLE (SLD Danno sism.) 40



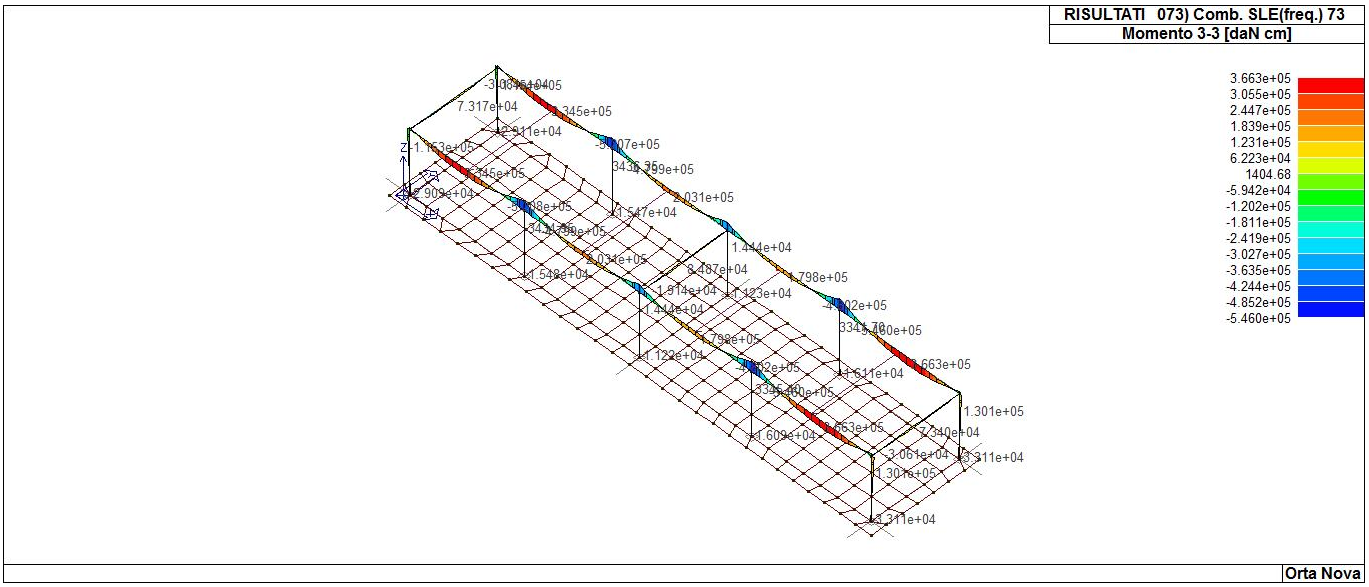
43_RIS_M3_058_Comb. SLE (SLD Danno sism.) 58



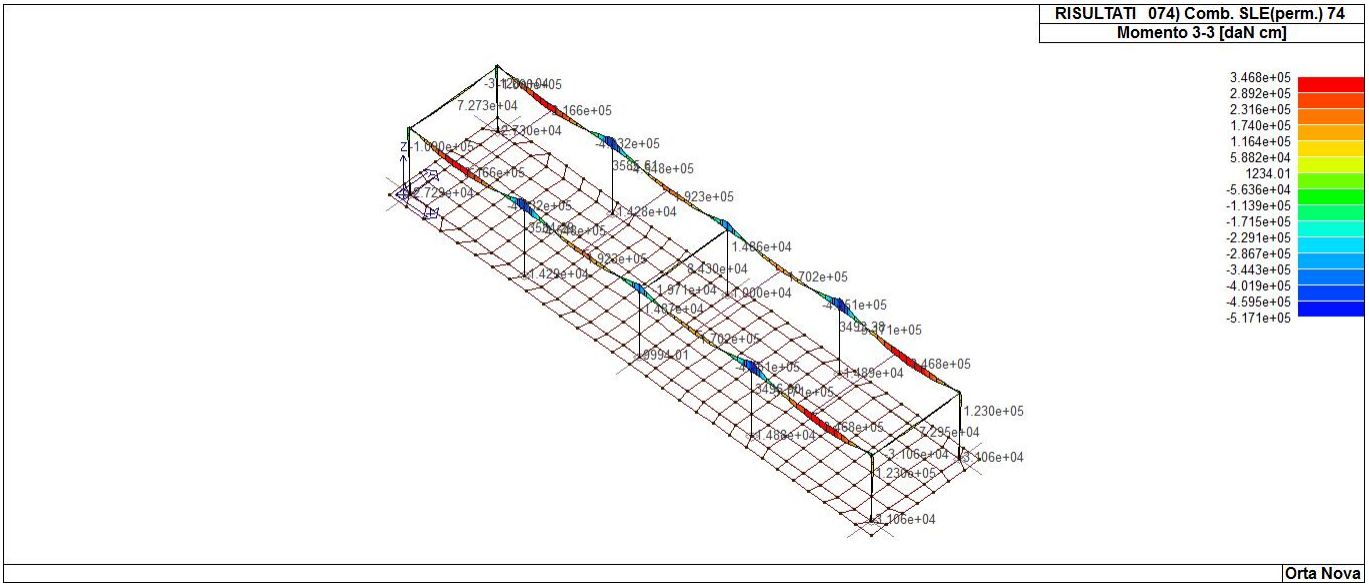
43_RIS_M3_069_Comb. SLU (Accid.) 69



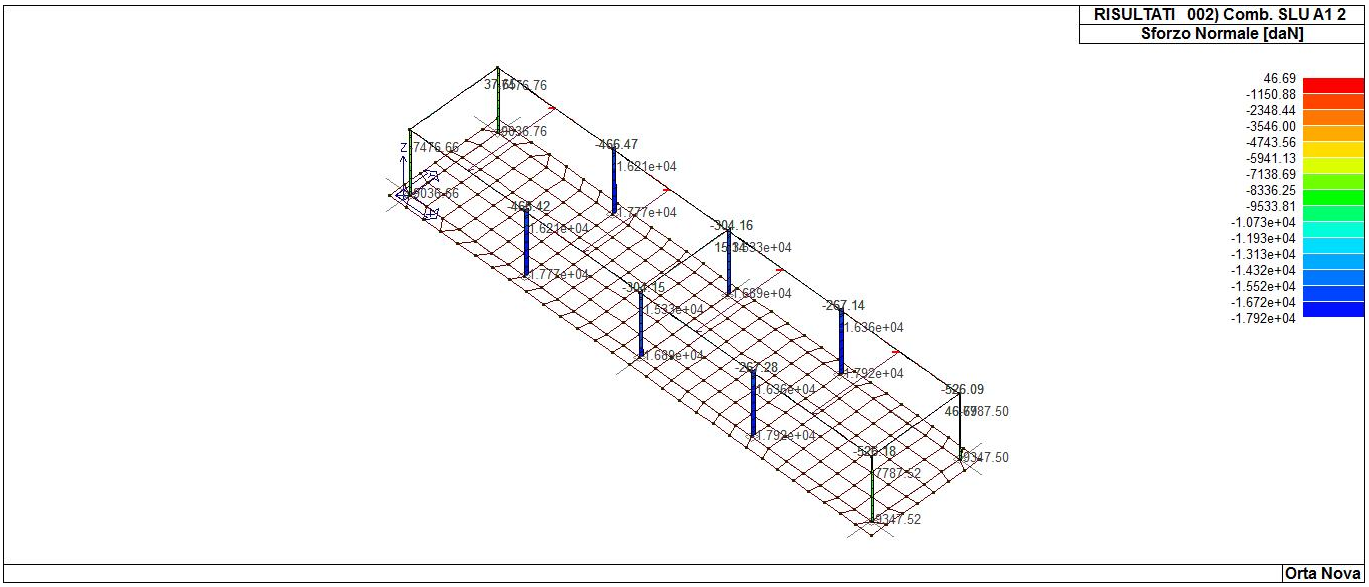
43_RIS_M3_071_Comb. SLE(rara) 71



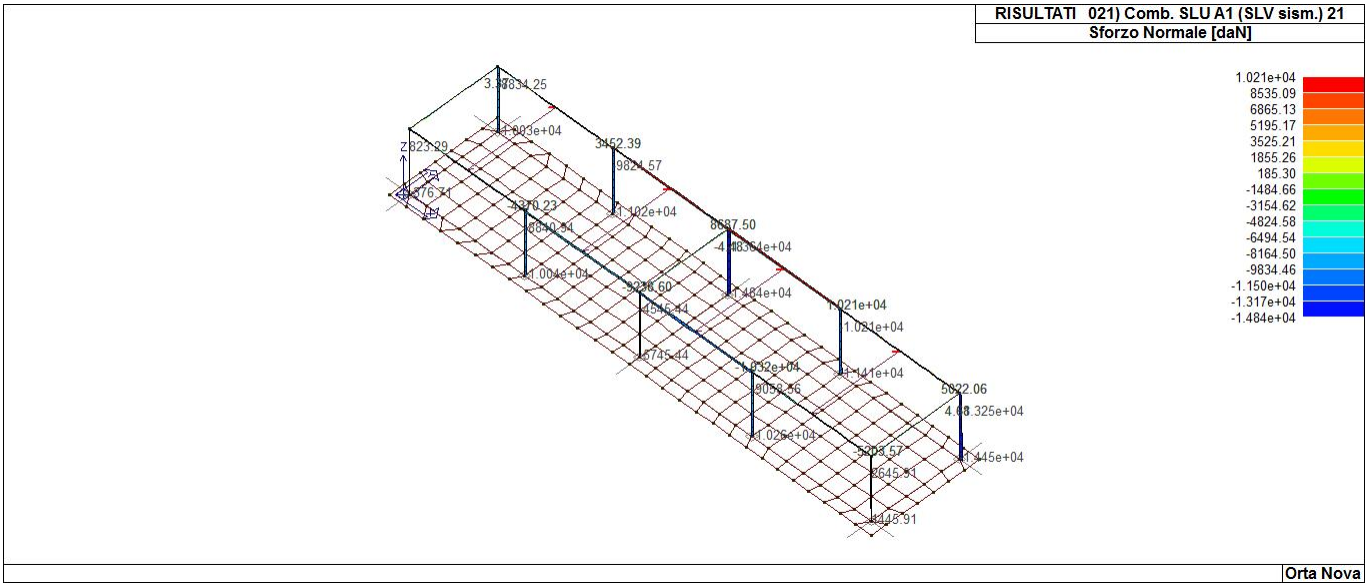
43_RIS_M3_073_Comb. SLE(freq.) 73



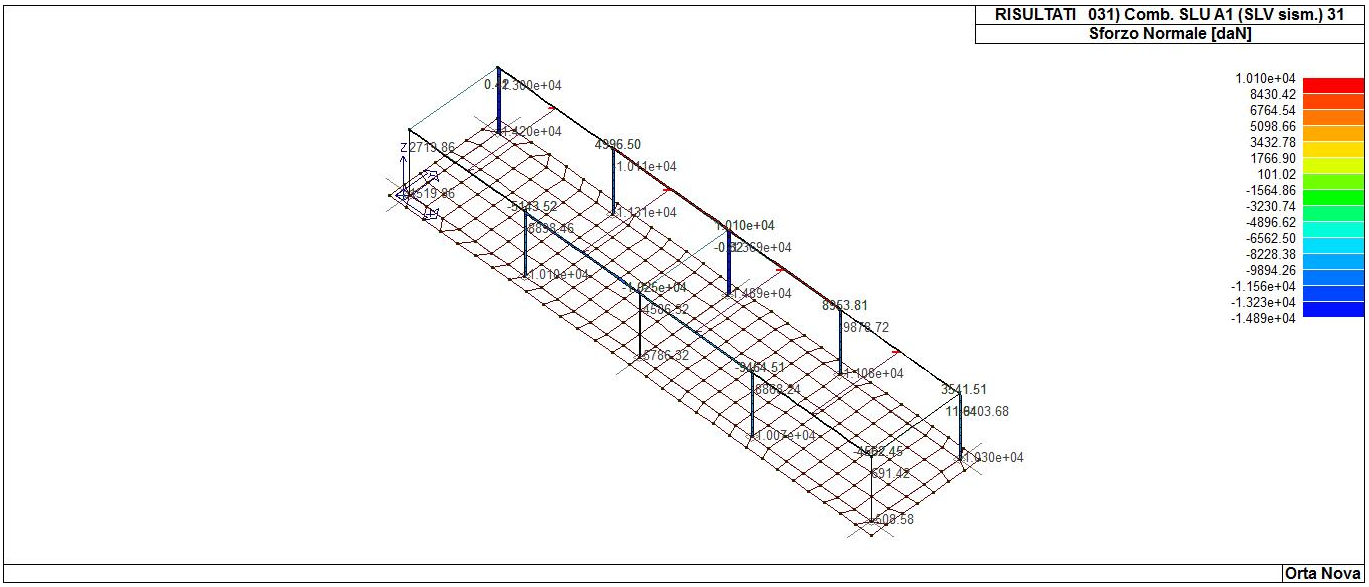
43_RIS_M3_074_Comb. SLE(perm.) 74



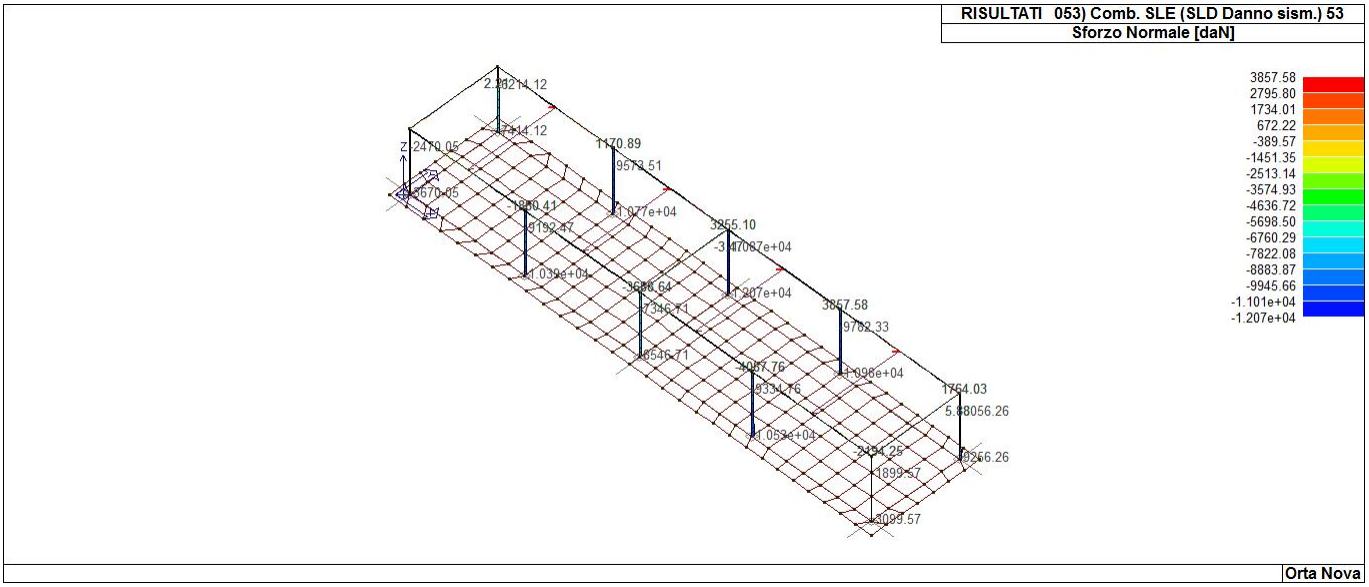
43_RIS_N_002_Comb. SLU A1 2



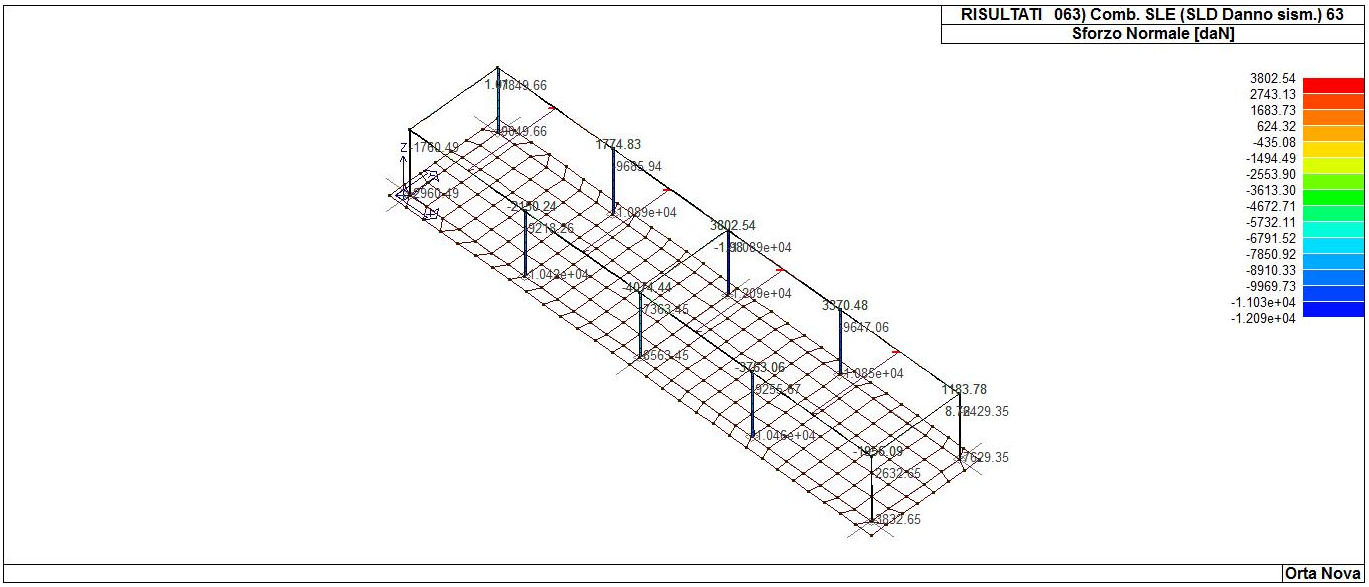
43_RIS_N_021_Comb. SLU A1 (SLV sism.) 21



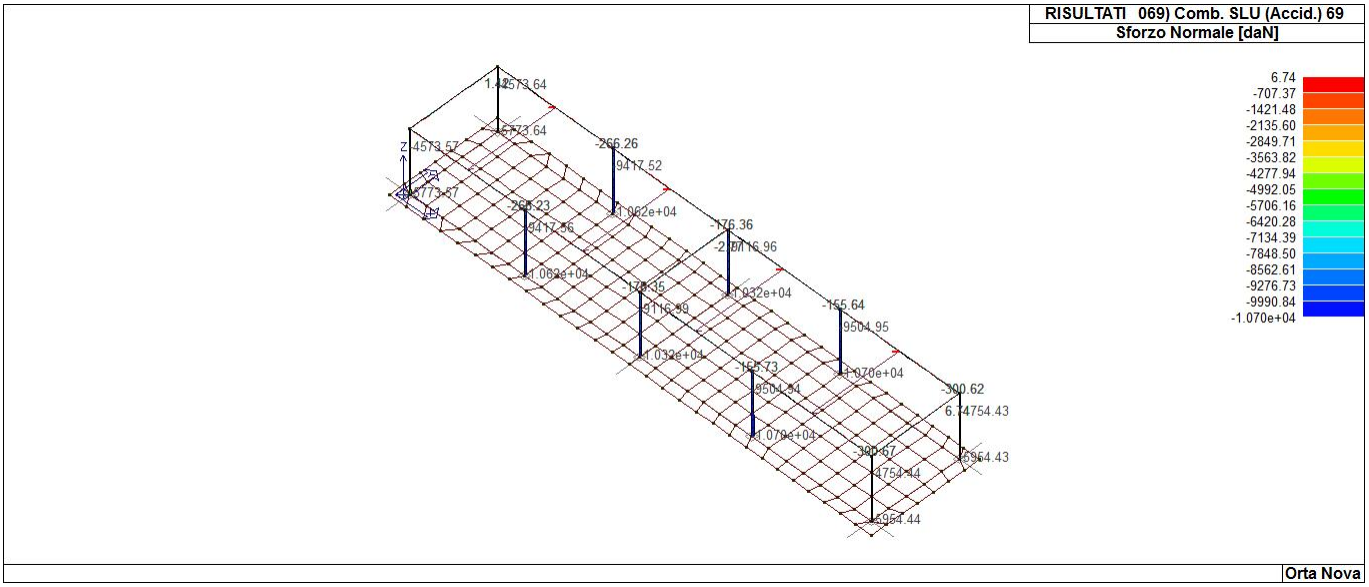
43_RIS_N_031_Comb. SLU A1 (SLV sism.) 31



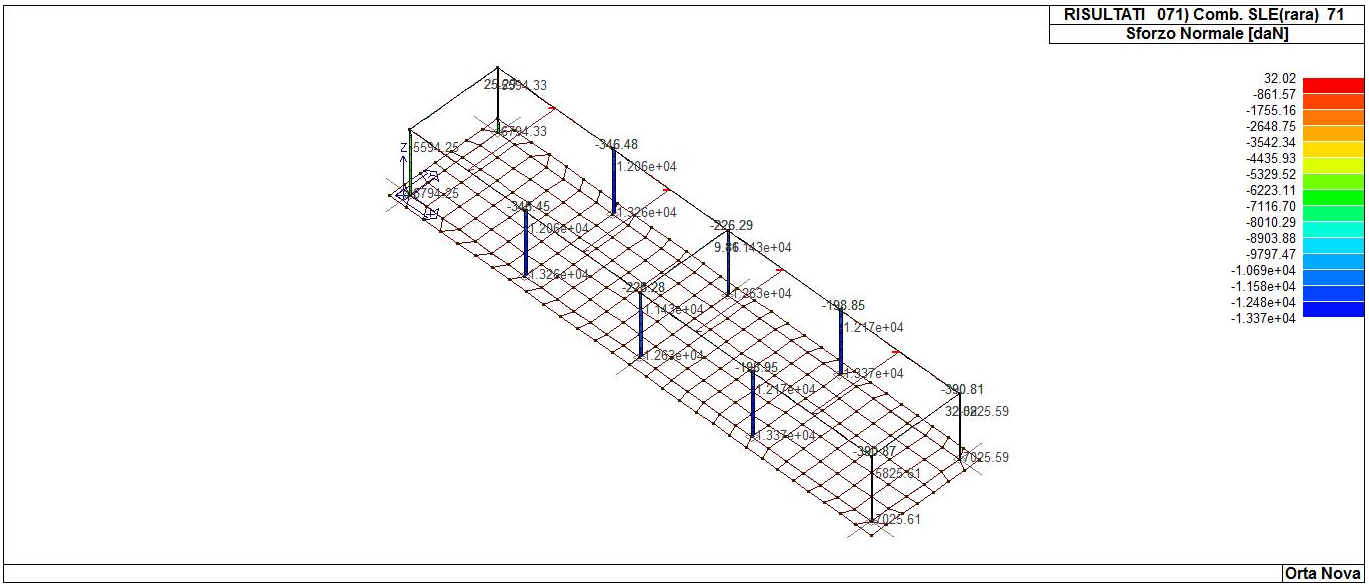
43_RIS_N_053_Comb. SLE (SLD Danno sism.) 53



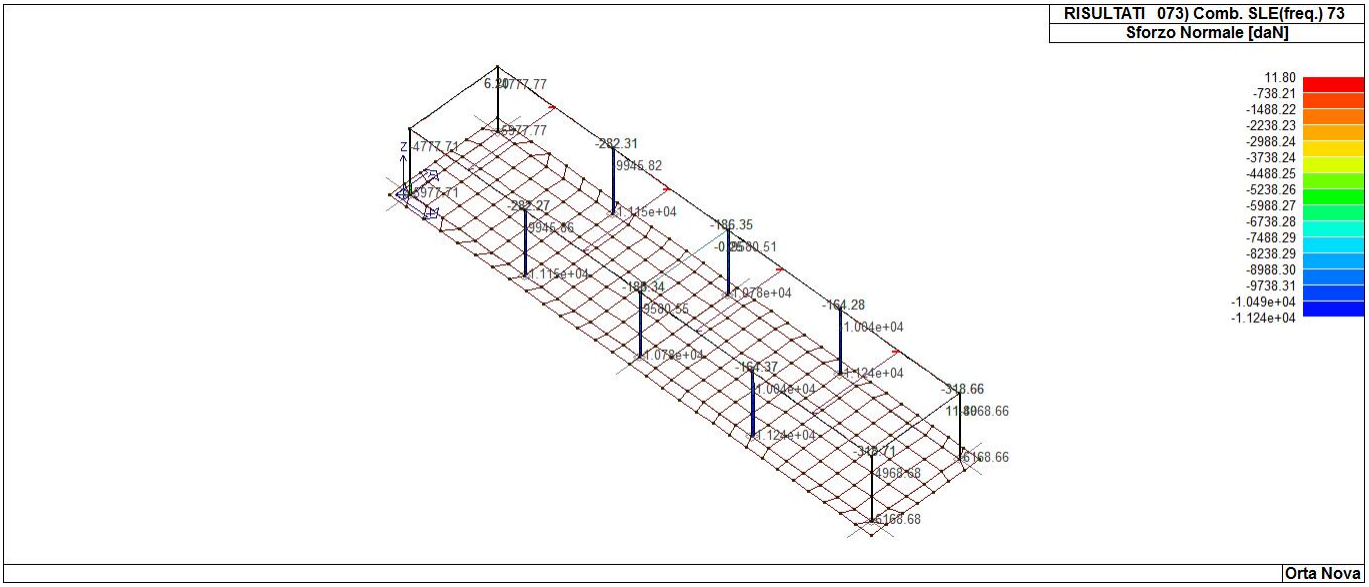
43_RIS_N_063_Comb. SLE (SLD Danno sism.) 63



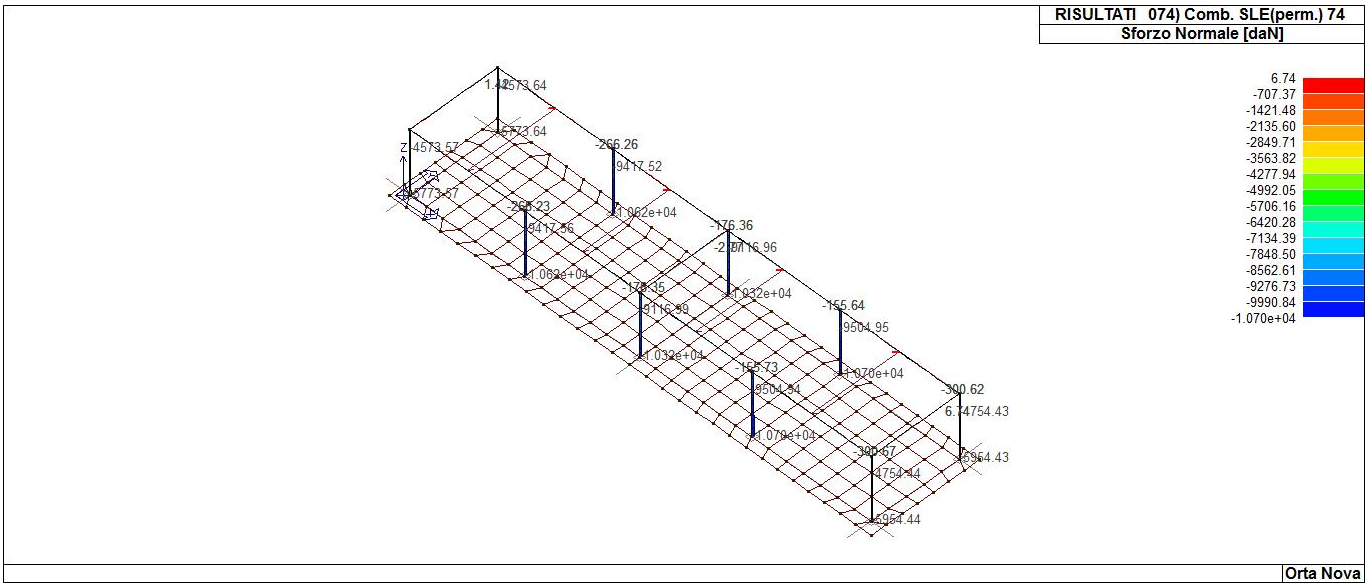
43_RIS_N_069_Comb. SLU (Accid.) 69



43_RIS_N_071_Comb. SLE(rara) 71



43_RIS_N_073_Comb. SLE(freq.) 73

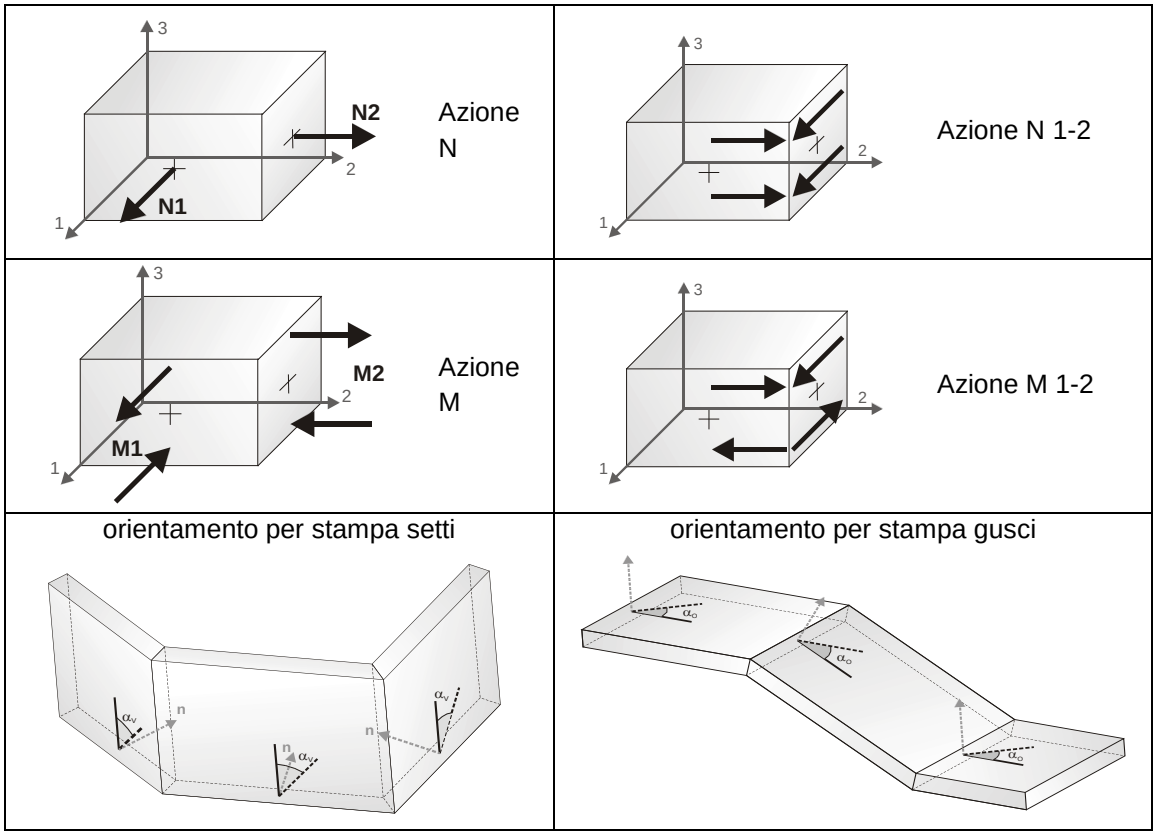


43_RIS_N_074_Comb. SLE(perm.) 74

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	14.73	-1.08	-0.76	14.40	2.26	-1163.67	-1996.29	-1515.67	-1644.30	411.31
1	2	3	14.36	-2.06	-1.65	13.95	-2.56	-1169.07	-1998.05	-1522.85	-1644.27	-410.02
1	2	5	13.43	-2.87e-02	12.99	0.41	2.38	-3251.79	-5353.23	-5352.37	-3252.64	-42.43
1	2	7	13.44	-6.57e-02	13.00	0.37	-2.39	-3247.07	-5354.07	-5353.26	-3247.87	41.20
1	2	9	5.90	-0.22	5.90	-0.22	-6.68e-02	-3005.19	-5082.15	-5082.10	-3005.25	-11.00
1	2	11	5.90	-0.22	5.90	-0.22	6.83e-02	-3005.22	-5082.22	-5082.16	-3005.28	10.97
1	2	13	14.19	0.26	13.83	0.62	-2.21	-3265.40	-5400.62	-5400.58	-3265.44	-9.32
1	2	15	14.16	0.27	13.80	0.63	2.22	-3268.86	-5399.70	-5399.66	-3268.90	8.41
1	2	17	12.50	-2.44	-1.71	11.77	-3.22	-1165.58	-2093.13	-1548.90	-1709.81	-456.74
1	2	19	12.80	-1.78	-1.11	12.13	3.04	-1163.21	-2092.71	-1545.49	-1710.42	457.37
1	2	21	16.98	-8.36	4.08	4.54	12.67	-426.54	-948.62	-493.24	-881.92	174.28
1	2	22	39.19	-29.82	12.99	-3.61	33.49	604.40	-3908.79	-3828.00	523.60	598.44
1	2	23	10.26	7.43	7.54	10.15	-0.55	807.06	-4055.92	-4055.92	807.05	-4.36
1	2	24	38.28	-29.01	14.20	-4.93	-32.26	542.99	-3825.30	-3736.72	454.41	-615.70
1	2	25	21.69	-6.55	2.60	12.54	-13.21	-510.74	-931.99	-625.69	-817.03	-187.65
1	2	26	22.84	-5.53	4.28	13.04	13.49	-508.49	-934.86	-620.00	-823.34	187.38
1	2	27	38.30	-28.91	14.18	-4.79	32.24	534.70	-3825.65	-3737.07	446.12	615.14
1	2	28	10.26	7.43	7.54	10.15	0.55	807.06	-4055.79	-4055.79	807.06	4.37
1	2	29	39.22	-29.80	13.07	-3.65	-33.48	610.39	-3908.84	-3828.13	529.68	-598.53
1	2	30	15.67	-9.24	2.44	3.99	-12.43	-427.75	-943.94	-496.61	-875.09	-175.50
1	2	31	6.62	-17.94	2.28	-13.60	-9.37	305.97	-1182.35	-615.79	-260.60	722.66
1	2	32	-0.43	-5.66	-1.17	-4.92	-1.83	1028.10	-299.97	720.38	7.74	560.34
1	2	33	0.18	-0.28	0.18	-0.28	-2.70e-02	1362.36	68.67	1307.72	123.31	260.20
1	2	34	0.75	-0.11	0.69	-4.70e-02	0.22	1486.63	126.15	1482.89	129.90	-71.30
1	2	35	9.40	0.95	3.22	7.13	-3.74	1605.40	80.61	1494.32	191.68	-396.26
1	2	36	10.89	-11.05	-6.38	6.23	8.98	1317.43	-204.50	1051.41	61.51	-578.00
1	2	37	9.41	-18.23	3.25	-12.07	11.50	1228.37	-181.42	147.78	899.17	-596.44
1	2	38	1.76	-2.19	1.03	-1.46	-1.53	1449.41	205.80	262.47	1392.74	-259.35
1	2	39	1.83	-2.19	1.11	-1.47	1.55	1449.16	204.64	261.43	1392.38	259.71
1	2	40	9.28	-18.06	3.17	-11.95	-11.39	1226.27	-182.51	146.17	897.59	595.82
1	2	41	10.81	-11.13	-6.60	6.28	-8.88	1317.11	-205.81	1050.23	61.07	578.98
1	2	42	9.29	0.76	3.15	6.90	3.83	1601.68	81.59	1490.67	192.60	395.49
1	2	43	0.73	-4.25e-02	0.68	5.35e-03	-0.19	1488.34	126.12	1484.53	129.93	71.90
1	2	44	0.20	-0.18	0.19	-0.17	5.06e-02	1362.96	68.86	1308.39	123.43	-260.09
1	2	45	-0.41	-5.53	-1.11	-4.83	1.76	1026.58	-300.22	719.53	6.82	-559.56
1	2	46	6.28	-17.71	2.19	-13.61	9.02	303.31	-1184.66	-617.82	-263.53	-722.59
1	2	47	16.92	-19.15	16.62	-18.84	-3.29	267.64	-1037.22	-304.12	-465.46	647.42
1	2	48	0.48	-6.86	-6.69	0.31	-1.13	1139.22	-203.31	885.15	50.77	525.88
1	2	49	-3.80e-02	-1.16	-1.05	-0.15	-0.33	1560.95	125.45	1534.06	152.34	194.64
1	2	50	-0.35	-0.72	-0.55	-0.52	0.18	1580.10	127.62	1554.84	152.88	-189.88
1	2	51	-5.56e-02	-6.08	-4.27	-1.87	2.76	1211.50	-181.38	973.49	56.63	-524.28
1	2	52	9.80	-11.10	9.73	-11.03	-1.20	518.17	-1005.29	-193.91	-293.21	-760.11
1	2	53	10.64	-12.22	10.51	-12.09	1.71	447.95	-1004.05	-231.11	-324.98	724.48

1	2	54	-0.27	-6.62	-4.74	-2.16	-2.90	1163.68	-173.85	939.82	50.01	499.30
1	2	55	-0.41	-0.80	-0.69	-0.52	-0.18	1547.76	134.85	1526.65	155.95	171.40
1	2	56	-5.84e-02	-1.23	-1.17	-0.13	0.27	1521.05	122.82	1489.68	154.19	-207.05
1	2	57	8.01e-03	-7.38	-7.08	-0.29	1.46	1068.69	-225.83	803.73	39.13	-522.30
1	2	58	17.65	-20.14	17.45	-19.94	2.76	168.43	-1073.02	-403.85	-500.74	-618.84
1	2	59	7.10	-18.47	2.81	-14.19	-9.55	410.26	-1154.92	-492.54	-252.12	773.30
1	2	60	-6.22e-02	-5.78	-1.79	-4.05	-2.63	1100.16	-279.77	794.12	26.27	573.28
1	2	61	0.43	-0.66	0.32	-0.54	-0.34	1385.51	65.07	1332.04	118.54	260.28
1	2	62	0.80	0.11	0.79	0.12	-6.95e-02	1503.73	136.52	1500.06	140.18	-70.72
1	2	63	7.38	1.35	4.93	3.81	-2.96	1642.48	62.40	1525.43	179.45	-413.82
1	2	64	14.00	-9.61	-6.79	11.19	7.65	1414.57	-214.12	1122.01	78.44	-625.21
1	2	65	10.00	-19.73	3.08	-12.81	12.57	1282.85	-200.93	148.74	933.18	-629.73
1	2	66	1.45	-2.26	0.94	-1.75	-1.28	1502.07	214.35	274.83	1441.59	-272.44
1	2	67	1.49	-2.26	0.99	-1.76	1.28	1501.90	214.02	274.38	1441.53	272.21
1	2	68	9.85	-19.63	2.96	-12.74	-12.48	1282.28	-201.58	147.93	932.78	629.65
1	2	69	14.01	-9.63	-6.82	11.19	-7.65	1414.63	-214.12	1121.67	78.85	625.57
1	2	70	7.40	1.33	4.94	3.79	2.98	1642.20	62.43	1525.16	179.47	413.76
1	2	71	0.79	0.15	0.78	0.15	7.90e-02	1503.71	136.46	1500.05	140.12	70.67
1	2	72	0.43	-0.61	0.31	-0.49	0.34	1385.45	65.06	1332.01	118.50	-260.21
1	2	73	-2.52e-02	-5.69	-1.77	-3.95	2.61	1099.54	-279.76	793.85	25.94	-572.88
1	2	74	6.94	-18.31	2.82	-14.18	9.33	408.09	-1155.85	-494.00	-253.76	-772.69
1	2	75	17.81	-20.38	17.64	-20.20	-2.61	169.27	-1072.42	-400.60	-502.54	618.75
1	2	76	8.27e-02	-7.51	-7.26	-0.16	-1.34	1068.64	-225.45	803.51	39.67	522.31
1	2	77	-8.34e-02	-1.29	-1.20	-0.17	-0.31	1520.86	123.09	1489.55	154.40	206.85
1	2	78	-0.42	-0.80	-0.70	-0.53	0.17	1547.81	134.83	1526.67	155.97	-171.53
1	2	79	-0.28	-6.62	-4.73	-2.17	2.90	1163.81	-173.95	939.84	50.02	-499.46
1	2	80	10.63	-12.21	10.50	-12.08	-1.71	447.96	-1004.18	-231.15	-325.08	-724.55
1	2	81	9.81	-11.10	9.74	-11.03	1.20	517.96	-1005.31	-194.07	-293.28	760.02
1	2	82	-4.72e-02	-6.09	-4.29	-1.86	-2.77	1211.53	-181.51	973.46	56.56	524.37
1	2	83	-0.33	-0.72	-0.54	-0.51	-0.20	1580.17	127.59	1554.89	152.87	189.95
1	2	84	-1.21e-02	-1.11	-1.01	-0.10	0.30	1561.24	125.25	1534.33	152.16	-194.71
1	2	85	0.39	-6.72	-6.49	0.16	1.27	1139.36	-203.53	885.51	50.32	-525.78
1	2	86	16.73	-18.93	16.39	-18.59	3.47	266.48	-1037.94	-307.71	-463.74	-647.53
1	2	87	9.41	-11.37	-10.58	8.62	-3.96	230.29	-213.10	-210.92	228.11	-31.01
1	2	88	30.36	10.29	16.49	24.16	9.27	1346.78	234.79	1252.63	328.94	309.57
1	2	89	-2.16	-8.43	-3.77	-6.82	-2.74	1584.95	-147.47	1579.24	-141.76	99.30
1	2	90	-0.58	-1.01	-0.81	-0.78	-0.22	1588.54	-29.75	1588.43	-29.64	13.22
1	2	91	0.27	-0.48	-0.45	0.24	-0.15	1440.78	-26.80	1433.68	-19.69	-101.86
1	2	92	6.65	0.89	1.80	5.74	-2.10	1060.73	-17.24	991.50	51.99	-264.26
1	2	93	5.56	-7.13	5.56	-7.13	9.07e-02	70.67	-600.00	-237.30	-292.04	-334.22
1	2	94	1.92	-68.96	-15.53	-51.51	-30.53	-961.26	-2547.78	-2321.77	-1187.26	-554.52
1	2	95	20.71	2.53	13.34	9.90	8.92	953.50	-103.11	775.91	74.48	395.10
1	2	96	1.87	0.12	1.24	0.74	0.83	1586.20	-48.39	1575.40	-37.58	132.46
1	2	97	1.29	0.15	0.44	1.00	-0.49	1691.14	-31.95	1689.28	-30.09	-56.62
1	2	98	13.04	2.11	5.94	9.21	-5.21	1243.56	6.81	1177.03	73.33	-279.02
1	2	99	2.58	-34.18	-2.32	-29.27	12.50	-630.28	-753.02	-630.67	-752.63	6.95
1	2	100	2.85	-31.51	-1.37	-27.30	-11.27	-542.36	-719.78	-548.17	-713.97	31.60
1	2	101	12.25	1.99	5.55	8.69	4.89	1274.80	2.85	1208.59	69.06	282.55
1	2	102	1.22	8.48e-02	0.36	0.95	0.49	1721.23	-30.88	1719.02	-28.67	62.17
1	2	103	1.60	5.98e-02	1.08	0.58	-0.73	1634.07	-46.55	1624.20	-36.68	-128.41
1	2	104	20.24	2.09	12.53	9.80	-8.98	1016.13	-97.57	852.26	66.29	-394.52
1	2	105	1.74	-66.26	-14.58	-49.93	29.04	-934.54	-2431.51	-2218.75	-1147.30	522.71
1	2	106	8.38	-2.74	5.84	-0.21	4.67	303.57	-491.84	-15.35	-172.92	389.82
1	2	107	6.21	0.47	1.11	5.58	1.80	1184.68	1.05	1140.25	45.48	224.99
1	2	108	0.32	-0.62	-0.62	0.32	-3.52e-02	1518.77	-22.96	1517.27	-21.47	47.98
1	2	109	-1.51	-6.41	-1.99	-5.94	1.45	1625.77	-99.12	1620.11	-93.46	-98.60
1	2	110	27.35	6.19	10.34	23.21	-8.39	1433.86	270.05	1347.62	356.29	-304.83
1	2	111	11.24	-10.46	-9.80	10.59	3.70	169.67	-42.11	-36.21	163.77	34.86
1	2	112	-3.15	-41.82	-19.57	-25.40	19.11	216.78	-1044.99	173.61	-1001.82	229.36
1	2	113	23.36	7.83	18.63	12.56	-7.14	1094.65	1.66	148.66	947.65	-372.91
1	2	114	-3.09	-10.65	-3.36	-10.38	1.40	1494.97	-125.41	-121.10	1490.67	-83.38
1	2	115	-3.28	-10.63	-3.54	-10.37	-1.35	1495.10	-124.59	-120.22	1490.73	84.04
1	2	116	23.09	7.85	18.44	12.51	7.02	1096.45	2.93	150.12	949.27	373.21
1	2	117	-4.50	-42.02	-20.46	-26.05	-18.55	209.76	-1048.91	165.79	-1004.94	-231.10
1	2	118	11.26	-11.46	-10.94	10.74	-3.42	168.08	-50.93	-44.99	162.14	-35.58
1	2	119	27.46	6.88	10.67	23.67	7.97	1437.10	275.31	1351.82	360.59	302.99
1	2	120	-1.33	-6.27	-1.86	-5.74	-1.52	1629.64	-100.46	1623.93	-94.75	99.24
1	2	121	9.24e-02	-0.71	-0.70	8.51e-02	-7.61e-02	1519.49	-23.33	1518.02	-21.85	-47.72
1	2	122	5.92	0.33	0.99	5.26	-1.81	1187.36	2.63	1142.45	47.54	-226.24
1	2	123	8.18	-2.07	6.12	-1.56e-02	-4.11	307.96	-485.60	-10.13	-167.52	-388.90
1	2	124	1.78	-66.21	-15.06	-49.37	-29.35	-932.48	-2436.20	-2225.42	-1143.26	-522.04
1	2	125	19.87	2.29	12.85	9.30	8.61	1015.69	-96.98	852.34	66.37	393.79
1	2	126	1.73	8.05e-02	1.15	0.66	0.79	1634.74	-47.35	1624.81	-37.43	128.84
1	2	127	1.23	0.12	0.38	0.97	-0.47	1721.25	-30.96	1719.04	-28.76	-62.13
1	2	128	12.25	1.99	5.53	8.71	-4.88	1274.78	2.84	1208.58	69.04	-282.52
1	2	129	2.87	-31.50	-1.34	-27.29	11.27	-542.35	-719.90	-548.16	-714.09	-31.59

1	2	130	2.57	-34.19	-2.34	-29.28	-12.50	-630.15	-752.95	-630.54	-752.56	-6.97
1	2	131	13.04	2.11	5.96	9.19	5.22	1243.53	6.86	1177.03	73.36	278.96
1	2	132	1.28	0.12	0.42	0.98	0.51	1691.05	-31.86	1689.19	-30.00	56.58
1	2	133	1.74	0.10	1.18	0.67	-0.78	1585.49	-47.63	1574.73	-36.87	-132.13
1	2	134	21.02	2.36	13.02	10.36	-9.24	953.46	-103.62	775.36	74.48	-395.66
1	2	135	1.86	-69.15	-15.17	-52.12	30.32	-963.02	-2544.54	-2316.61	-1190.96	555.46
1	2	136	5.57	-7.14	5.56	-7.13	0.35	66.15	-602.82	-240.88	-295.80	333.36
1	2	137	6.91	1.01	1.89	6.03	2.10	1059.76	-17.29	990.93	51.54	263.44
1	2	138	0.38	-0.48	-0.45	0.35	0.15	1440.74	-26.75	1433.65	-19.66	101.75
1	2	139	-0.53	-0.97	-0.81	-0.69	0.21	1588.54	-29.80	1588.43	-29.70	-13.08
1	2	140	-2.17	-8.42	-3.74	-6.85	2.71	1584.46	-147.55	1578.75	-141.84	-99.24
1	2	141	30.29	10.18	16.45	24.02	-9.31	1345.43	235.02	1251.26	329.19	-309.35
1	2	142	9.24	-10.98	-10.13	8.39	4.05	228.93	-209.72	-207.61	226.83	30.31
1	2	143	-3.66	-48.65	-22.12	-30.19	22.13	214.23	-1026.64	158.49	-970.90	257.00
1	2	144	23.73	7.17	19.03	11.88	-7.47	1139.63	-9.71	149.01	980.91	-396.53
1	2	145	-3.12	-11.75	-3.35	-11.51	1.41	1550.69	-129.12	-124.36	1545.92	-89.33
1	2	146	-3.31	-11.74	-3.53	-11.52	-1.36	1551.11	-128.07	-123.25	1546.29	89.86
1	2	147	23.48	7.20	18.90	11.78	7.32	1142.43	-8.54	150.16	983.73	396.82
1	2	148	-4.71	-48.68	-22.73	-30.66	-21.62	208.50	-1031.22	152.02	-974.74	-258.51
1	2	149	1.95	-5.82e-02	1.73	0.16	-0.62	907.89	392.05	907.25	392.69	-18.16
1	2	150	3.36	-2.30	3.20	-2.14	0.94	826.28	216.28	335.30	707.26	-241.74
1	2	151	4.44	1.19	4.36	1.28	0.53	1017.14	-583.99	-533.77	966.92	279.09
1	2	152	3.91	-0.15	3.91	-0.15	7.50e-02	1056.03	-512.41	-464.35	1007.97	-270.32
1	2	153	9.23	2.11	9.22	2.12	-0.29	1260.31	-878.06	-878.05	1260.30	4.74
1	2	154	5.21	-5.20	5.08	-5.07	1.15	684.56	-1274.79	-863.57	273.34	-797.89
1	2	155	13.73	-6.22	13.65	-6.14	-1.29	1099.84	-1914.35	-1914.08	1099.57	28.38
1	2	156	6.54	-3.64	6.39	-3.49	-1.20	757.65	-1206.71	-745.16	296.10	832.84
1	2	157	2.36	-4.01	0.12	-1.77	3.04	936.68	-61.14	539.76	335.78	-488.37
1	2	158	3.09	-1.45	2.13	-0.48	-1.86	896.02	-132.38	470.28	293.36	506.54
1	2	159	0.30	-1.59	-0.52	-0.77	0.93	1150.87	336.50	1112.05	375.33	-173.52
1	2	160	2.06	-1.07	1.43	-0.44	-1.25	1035.57	208.68	977.63	266.61	211.07
1	2	161	-6.36e-02	-1.18	-0.51	-0.74	-0.55	1173.24	351.80	1144.21	380.84	151.68
1	2	162	2.48	-0.47	1.89	0.12	-1.18	1169.63	276.85	1165.94	280.54	-57.28
1	2	163	1.43	-2.25	0.50	-1.32	-1.60	998.86	15.31	653.44	360.73	469.49
1	2	164	3.62	0.37	1.18	2.81	-1.40	1272.13	245.05	1151.31	365.87	-330.90
1	2	165	3.70	-4.02	3.50	-3.82	-1.23	750.33	-1057.91	-620.02	312.44	774.64
1	2	166	4.70	-5.10	-1.12	0.72	4.81	1286.33	-109.06	748.81	428.46	-679.06
1	2	167	10.91	-5.17	10.91	-5.17	9.39e-02	1094.47	-1674.31	-1674.28	1094.43	-9.96
1	2	168	3.67	-4.04	3.41	-3.78	1.40	780.32	-1039.57	-581.47	322.22	-789.83
1	2	169	1.57	-1.96	0.76	-1.15	1.48	1019.16	7.11	673.95	352.32	-479.79
1	2	170	2.37	-0.30	2.32	-0.26	-0.36	1041.98	537.29	688.26	891.02	-231.08
1	2	171	0.11	-1.01	-0.22	-0.69	0.51	1198.12	323.88	1166.86	355.13	-162.32
1	2	172	2.36	-0.30	2.31	-0.25	0.35	1042.03	536.69	689.45	889.27	232.07
1	2	173	0.43	-1.36	-0.20	-0.73	-0.86	1177.19	316.06	1146.12	347.12	160.57
1	2	174	4.65	-5.11	-1.10	0.64	-4.80	1286.38	-109.03	749.11	428.24	679.01
1	2	175	2.47	-3.53	0.51	-1.57	-2.81	955.42	-44.19	592.06	319.17	480.82
1	2	176	5.11	-5.13	4.86	-4.89	-1.56	705.25	-1220.40	-785.93	270.79	804.90
1	2	177	13.25	-6.20	13.18	-6.13	1.15	1059.74	-1921.70	-1921.69	1059.73	-4.80
1	2	178	3.61	0.37	1.18	2.81	1.40	1272.21	245.00	1151.34	365.88	330.99
1	2	179	6.40	-3.58	6.32	-3.50	0.89	701.34	-1261.10	-820.79	261.03	-818.66
1	2	180	2.48	-0.47	1.89	0.12	1.18	1169.62	276.85	1165.92	280.54	57.29
1	2	181	2.69	-1.89	1.55	-0.74	1.98	866.07	-167.96	412.42	285.69	-513.12
1	2	182	2.06	-1.07	1.43	-0.44	1.25	1035.55	208.67	977.61	266.61	-211.07
1	2	183	1.98	-1.30	1.18	-0.50	1.41	1014.56	211.68	949.25	276.99	-219.48
1	2	184	3.07	-1.47	2.11	-0.51	1.85	896.12	-132.46	470.37	293.29	-506.61
1	2	185	6.51	-3.62	6.36	-3.47	1.22	757.66	-1206.42	-744.88	296.11	-832.76
1	2	186	13.68	-6.23	13.60	-6.15	1.26	1098.68	-1913.99	-1913.71	1098.41	-28.68
1	2	187	4.96	-5.52	-0.44	-0.12	-5.24	1236.13	-110.79	699.16	426.17	659.48
1	2	188	5.07	-5.29	4.95	-5.17	-1.10	686.38	-1274.95	-862.57	274.01	799.22
1	2	189	2.43	-4.01	0.15	-1.73	-3.08	936.01	-61.28	538.89	335.83	488.20
1	2	190	0.29	-1.59	-0.53	-0.77	-0.93	1150.92	336.33	1112.09	375.16	173.55
1	2	191	2.62	-0.60	2.60	-0.58	0.27	1022.72	521.92	663.25	881.39	225.40
1	2	192	-7.16e-02	-1.19	-0.51	-0.75	0.55	1172.78	351.88	1143.64	381.02	-151.89
1	2	193	2.61	-0.58	2.59	-0.56	-0.27	1019.24	524.67	665.48	878.43	-223.18
1	2	194	1.43	-2.25	0.50	-1.32	1.60	999.21	15.04	653.64	360.61	-469.76
1	2	195	4.78	-5.39	-0.55	-5.26e-02	5.08	1236.20	-98.97	704.65	432.58	-653.58
1	2	196	3.67	-4.04	3.47	-3.84	1.23	751.03	-1057.36	-619.08	312.76	-774.91
1	2	197	10.81	-5.20	10.81	-5.20	-9.29e-02	1092.09	-1676.95	-1676.92	1092.05	9.78
1	2	198	3.69	-4.04	3.41	-3.76	-1.44	780.25	-1039.32	-581.23	322.16	789.74
1	2	199	1.57	-1.95	0.78	-1.15	-1.47	1019.58	7.01	674.76	351.84	479.85
1	2	200	0.11	-1.02	-0.22	-0.70	-0.51	1197.83	324.00	1166.47	355.37	162.56
1	2	201	1.98	-1.30	1.20	-0.51	-1.40	1014.51	211.70	948.99	277.22	219.79
1	2	202	0.44	-1.36	-0.20	-0.73	0.86	1177.32	316.05	1146.24	347.12	-160.62
1	2	203	2.76	-1.85	1.61	-0.70	-1.99	865.98	-167.55	412.95	285.48	512.82
1	2	204	2.46	-3.52	0.50	-1.56	2.81	955.50	-44.13	592.32	319.05	-480.78
1	2	205	6.42	-3.59	6.34	-3.51	-0.89	700.95	-1261.25	-821.21	260.92	818.41

1	2	206	5.12	-5.16	4.88	-4.91	1.57	705.15	-1220.01	-785.76	270.90	-804.63
1	2	207	13.18	-6.21	13.11	-6.14	-1.14	1059.87	-1922.46	-1922.45	1059.86	4.24
1	2	208	2.54	-0.46	1.65	0.44	1.37	1149.94	297.51	1146.84	300.60	51.25
1	2	209	2.83	0.52	0.67	2.68	0.58	1243.82	253.42	1125.23	372.01	321.54
1	2	210	2.98	-1.11	2.82	-0.94	-0.79	722.98	388.88	687.26	424.61	103.25
1	2	211	2.80	0.61	0.75	2.66	-0.55	1242.74	253.86	1124.78	371.82	-320.51
1	2	212	2.56	-0.45	1.64	0.46	-1.38	1150.76	297.53	1147.52	300.77	-52.46
1	2	213	3.30	-2.57	3.13	-2.39	0.99	880.18	186.74	292.14	774.77	-248.96
1	2	214	3.85	-0.67	3.85	-0.67	0.12	1099.43	-525.29	-481.12	1055.26	-264.23
1	2	215	9.18	2.29	9.18	2.29	-9.36e-02	1306.63	-859.45	-859.43	1306.61	7.17
1	2	216	4.82	1.52	4.73	1.60	0.53	1031.65	-545.90	-502.00	987.76	259.46
1	2	217	4.24	-0.80	4.18	-0.74	-0.57	723.29	123.77	228.19	618.87	227.37
1	2	218	2.02	-2.53	1.93	-2.44	0.64	847.17	556.75	816.10	587.82	-89.77
1	2	219	3.05	-1.03	2.93	-0.90	-0.71	764.03	361.10	739.02	386.11	97.23
1	2	220	1.78	-2.20	1.76	-2.19	-0.25	868.27	568.41	847.88	588.80	75.48
1	2	221	2.06	-2.93e-02	1.84	0.19	-0.65	943.43	355.20	942.50	356.13	-23.31
1	2	222	2.45	-1.74	2.38	-1.67	-0.53	880.61	291.26	405.18	766.70	232.72
1	2	223	1.35	0.84	1.10	1.09	-0.25	963.17	469.22	921.60	510.79	-137.13
1	2	224	2.72	6.17e-02	2.71	7.91e-02	0.21	1099.93	-349.34	-300.98	1051.57	260.28
1	2	225	6.94	2.01	6.93	2.01	-6.06e-02	1306.20	-643.67	-643.67	1306.20	-1.70
1	2	226	2.86	0.30	2.82	0.34	-0.33	1086.50	-328.98	-286.90	1044.42	-240.40
1	2	227	2.62	-1.48	2.58	-1.44	0.42	842.80	315.52	426.24	732.08	-214.75
1	2	228	1.90	-2.03	1.89	-2.01	0.23	895.90	513.64	878.67	530.87	-79.31
1	2	229	1.35	0.84	1.11	1.08	0.25	962.79	469.58	921.45	510.92	136.67
1	2	230	2.10	-2.31	2.03	-2.24	-0.58	874.58	502.66	855.88	521.36	81.27
1	2	231	3.36	-2.30	3.20	-2.14	-0.93	826.25	216.28	335.26	707.26	241.70
1	2	232	3.91	-0.15	3.91	-0.14	-7.20e-02	1056.03	-512.42	-464.37	1007.98	270.29
1	2	233	9.24	2.11	9.23	2.12	0.28	1260.26	-878.02	-878.00	1260.25	-4.86
1	2	234	4.42	1.18	4.33	1.27	-0.55	1017.26	-583.59	-533.39	967.06	-278.99
1	2	235	2.06	-2.88e-02	1.84	0.19	0.64	943.30	355.27	942.38	356.20	23.31
1	2	236	4.07	-0.90	4.00	-0.84	0.55	738.41	75.95	166.85	647.51	-227.94
1	2	237	3.05	-1.03	2.93	-0.90	0.71	763.99	361.13	738.99	386.13	-97.19
1	2	238	2.97	-1.10	2.80	-0.94	0.81	726.97	385.71	690.25	422.43	-105.75
1	2	239	4.23	-0.81	4.16	-0.75	0.57	723.30	124.13	228.43	619.00	-227.19
1	2	240	1.95	-6.48e-02	1.73	0.15	0.62	906.53	392.18	905.92	392.79	17.72
1	2	241	4.81	1.53	4.73	1.62	-0.53	1031.48	-548.52	-503.12	986.07	-263.97
1	2	242	9.07	2.25	9.07	2.25	0.11	1304.68	-862.94	-862.92	1304.66	-7.24
1	2	243	3.81	-0.74	3.81	-0.74	-9.40e-02	1103.62	-513.42	-473.03	1063.23	252.33
1	2	244	1.21	0.73	1.17	0.76	0.12	943.37	479.84	895.99	527.22	140.41
1	2	245	3.36	-2.53	3.19	-2.36	-0.98	879.98	186.25	290.72	775.51	248.12
1	2	246	2.02	-2.54	1.93	-2.45	-0.64	846.59	557.17	815.88	587.88	89.14
1	2	247	1.80	-2.22	1.79	-2.21	0.24	863.85	571.84	844.10	591.59	-73.33
1	2	248	1.22	0.73	1.18	0.76	-0.12	939.80	483.69	893.52	529.97	-137.72
1	2	249	2.44	-1.74	2.37	-1.67	0.53	880.60	291.24	405.34	766.50	-232.87
1	2	250	2.67	8.86e-02	2.65	0.11	-0.21	1100.49	-349.16	-300.33	1051.66	-261.54
1	2	251	7.03	1.88	7.03	1.88	6.62e-02	1301.29	-655.34	-655.34	1301.29	1.01
1	2	252	2.83	0.36	2.79	0.40	0.31	1085.41	-334.45	-289.48	1040.44	248.65
1	2	253	2.60	-1.50	2.55	-1.45	-0.44	844.99	312.54	429.12	728.40	220.19
1	2	254	1.91	-2.04	1.90	-2.02	-0.22	892.98	516.29	876.40	532.86	77.26
1	2	255	2.10	-2.31	2.03	-2.23	0.58	874.48	502.75	855.89	521.34	-81.02
1	2	256	4.08	-0.91	4.01	-0.84	-0.57	739.30	74.28	168.84	644.74	232.25
1	26	1	48.64	7.67	7.82	48.49	-2.48	92.54	-1736.23	-1067.26	-576.43	880.83
1	26	3	-3.30	-46.04	-5.50	-43.84	-9.44	-790.28	-1597.18	-1071.86	-1315.60	384.60
1	26	5	40.94	15.22	40.92	15.24	0.69	-2239.43	-3155.47	-3154.13	-2240.76	-34.98
1	26	7	-1.29	-24.46	-24.29	-1.46	1.99	-1454.92	-3263.13	-3263.08	-1454.96	-8.82
1	26	9	-15.66	-27.84	-27.49	-16.01	2.03	-1270.29	-4141.52	-4140.77	-1271.05	-46.63
1	26	11	35.47	15.32	35.17	15.61	-2.43	-2083.04	-2426.00	-2099.98	-2409.05	74.33
1	26	13	58.66	-0.17	58.23	0.25	-4.96	-2623.42	-3113.56	-3109.21	-2627.76	45.92
1	26	15	-12.83	-43.79	-43.68	-12.94	1.84	-1486.20	-3329.69	-3329.24	-1486.64	28.55
1	26	17	66.36	1.00	3.91	63.45	13.48	635.88	-1969.49	-1024.38	-309.23	-1252.65
1	26	19	-2.28	-44.42	-6.54	-40.15	12.71	-548.91	-2295.63	-781.38	-2063.15	-593.31
1	26	21	256.46	114.74	115.41	255.79	-9.71	1476.89	-3114.89	1153.50	-2791.50	-1174.88
1	26	22	82.38	-60.99	75.31	-53.93	31.03	1651.78	-1903.96	-1896.79	1644.62	159.47
1	26	23	51.36	-64.58	49.28	-62.50	15.41	2881.93	-435.68	-391.56	2837.81	-380.02
1	26	24	59.76	-22.35	59.76	-22.35	-0.64	2043.63	-1478.45	-1276.46	1841.63	-818.93
1	26	25	188.28	88.86	89.37	187.76	7.14	528.92	-2023.73	256.35	-1751.16	788.34
1	26	26	-57.37	-139.91	-60.34	-136.93	15.39	1008.04	-1751.54	-1460.50	717.01	847.61
1	26	27	42.93	-38.51	-35.34	39.75	15.76	-641.40	-2751.12	-2624.90	-767.62	500.37
1	26	28	75.29	-42.30	-41.82	74.82	-7.43	-1832.20	-4589.94	-4577.30	-1844.84	186.26
1	26	29	36.80	-78.79	-69.38	27.39	-31.61	-1538.62	-3268.67	-3268.56	-1538.73	13.65
1	26	30	-128.90	-295.48	-136.99	-287.39	-35.81	2372.40	-2149.93	-1495.15	1717.62	-1591.35
1	26	31	16.64	7.37	14.32	9.68	4.01	243.40	-345.37	238.24	-340.21	54.86
1	26	32	32.71	-4.38	32.62	-4.29	-1.82	307.90	-316.31	235.96	-244.37	199.33
1	26	33	32.02	0.19	31.82	0.38	2.46	352.30	-406.45	144.92	-199.07	338.15
1	26	34	25.72	-3.09	24.83	-2.19	4.99	315.45	-941.70	-163.80	-462.45	610.58
1	26	35	34.07	-1.55	32.90	-0.38	6.34	460.96	-1437.93	-243.22	-733.75	917.22

1	26	36	50.46	-4.11	36.16	10.19	-23.99	985.67	-2378.42	16.84	-1409.59	1523.35
1	26	37	55.37	-57.96	-55.74	53.15	-15.70	-1024.55	-2867.62	-1190.29	-2701.88	527.26
1	26	38	18.88	-10.69	-3.63	11.82	12.61	203.66	-472.40	-123.40	-145.34	337.85
1	26	39	12.97	-16.38	4.86	-8.27	13.13	1724.54	10.35	210.12	1524.77	550.04
1	26	40	67.39	-65.58	62.88	-61.08	-24.06	4026.60	736.58	1024.78	3738.40	930.12
1	26	41	17.71	-54.38	-27.07	-9.60	-34.97	2870.06	-1394.83	266.03	1209.20	2079.65
1	26	42	10.30	-29.29	-26.51	7.52	10.12	2633.85	-302.97	1506.78	824.10	1428.18
1	26	43	1.57	-22.86	-22.20	0.91	3.95	2071.44	120.14	1651.10	540.48	802.20
1	26	44	1.08	-25.55	-25.47	1.01	1.42	1516.44	329.07	1502.21	343.29	129.19
1	26	45	0.60	-32.22	-32.14	0.51	-1.67	1220.95	123.63	1023.18	321.40	-421.79
1	26	46	-1.50	-45.05	-38.58	-7.97	15.49	1412.65	-462.25	480.54	469.86	-937.43
1	26	47	-12.47	-35.50	-17.78	-30.19	-9.71	619.58	-1090.94	-497.71	26.35	814.14
1	26	48	6.00	-35.70	-35.52	5.81	2.75	1125.51	-72.68	753.11	299.72	554.55
1	26	49	-0.60	-36.44	-36.35	-0.70	1.84	1358.68	267.81	1353.01	273.47	78.42
1	26	50	-0.69	-33.02	-32.98	-0.73	-1.13	1626.00	140.63	1466.92	299.71	-459.33
1	26	51	9.11	-35.31	-34.06	7.85	-7.36	1744.12	-384.61	961.80	397.71	-1026.31
1	26	52	-2.42	-43.05	-36.21	-9.27	15.21	1865.44	-1429.58	-144.82	580.68	-1607.08
1	26	53	-10.33	-37.86	-18.87	-29.32	-12.74	1100.13	-2255.99	-1376.53	220.67	1475.85
1	26	54	8.86	-42.16	-40.64	7.33	8.69	1575.05	-545.56	640.92	388.57	1052.77
1	26	55	-0.87	-46.02	-45.57	-1.31	4.45	1537.38	120.81	1344.08	314.11	486.27
1	26	56	-0.80	-48.48	-48.47	-0.81	0.66	1487.79	319.42	1486.97	320.23	-30.82
1	26	57	8.66	-51.76	-51.60	8.50	-3.11	1373.88	9.59	1014.39	369.08	-601.01
1	26	58	-13.36	-58.00	-53.45	-17.92	13.51	1552.53	-621.63	446.44	484.45	-1086.91
1	26	59	-10.69	-51.12	-40.92	-20.89	-17.56	953.54	-1272.92	-607.97	288.59	1018.98
1	26	60	-0.76	-55.94	-55.89	-0.80	1.50	1333.98	130.53	1087.76	376.74	485.48
1	26	61	-3.20	-51.99	-51.93	-3.25	-1.69	1970.80	418.58	1938.30	451.08	-222.25
1	26	62	-2.68	-43.84	-43.20	-3.32	-5.10	2940.31	150.82	2417.09	674.04	-1088.92
1	26	63	15.73	-52.52	-47.10	10.31	-18.45	4291.29	-553.85	2473.60	1263.84	-2345.84
1	26	64	44.32	-92.23	-58.33	10.42	58.99	5416.61	-2108.01	993.44	2315.16	-3703.82
1	26	65	112.54	-128.15	104.30	-119.91	43.77	7367.23	1559.58	2085.65	6841.16	-1666.88
1	26	66	20.08	-33.24	7.33	-20.49	-22.74	2810.95	243.74	533.88	2520.81	-812.82
1	26	67	26.24	-18.09	-6.03	14.17	-19.73	231.60	-588.06	43.34	-399.80	-344.77
1	26	68	99.58	-104.68	-102.35	97.26	21.66	-1499.64	-5656.29	-1559.50	-5596.42	-495.24
1	26	69	74.87	-22.12	33.36	19.40	47.99	2914.89	-3406.07	1384.81	-1876.00	-2707.47
1	26	70	54.09	-7.82	51.06	-4.79	-13.35	1353.40	-2372.15	-60.54	-958.20	-1807.90
1	26	71	43.72	3.44	43.08	4.08	-5.04	703.68	-1416.46	-258.48	-454.30	-1055.54
1	26	72	45.26	1.99	45.23	2.02	-1.03	282.89	-919.03	-326.48	-309.65	-600.90
1	26	73	50.93	-6.12	49.97	-5.17	7.32	-172.82	-675.54	-442.45	-405.91	-250.70
1	26	74	69.05	-18.63	68.66	-18.24	-5.83	-958.89	-1523.30	-1415.95	-1066.24	221.51
1	26	75	49.90	16.49	45.81	20.58	10.95	609.50	-552.98	593.40	-536.88	-135.88
1	26	76	40.75	-6.89	40.66	-6.80	-2.08	388.06	-316.17	382.77	-310.88	-60.82
1	26	77	47.18	0.56	47.18	0.57	-0.59	507.33	-141.12	494.14	-127.93	91.53
1	26	78	40.17	-0.36	39.78	2.48e-02	3.94	362.01	-208.51	318.51	-165.02	151.41
1	26	79	38.49	-15.15	34.06	-10.72	14.76	240.23	-593.51	40.13	-393.40	356.08
1	26	80	62.85	-16.13	60.16	-13.44	-14.33	-3.24	-1621.90	-478.77	-1146.37	737.29
1	26	81	38.72	4.80	19.91	23.60	16.86	1556.34	-575.72	1417.60	-436.97	-525.90
1	26	82	31.63	-11.05	29.96	-9.38	-8.27	822.29	-483.64	634.57	-295.92	-458.16
1	26	83	37.27	0.74	37.13	0.87	-2.23	715.40	-240.53	582.52	-107.64	-330.71
1	26	84	34.86	0.74	34.82	0.78	1.15	445.42	-246.05	322.18	-122.80	-264.63
1	26	85	30.77	-8.12	29.67	-7.01	6.46	9.83	-362.57	-87.69	-265.05	-163.73
1	26	86	64.98	-17.32	64.62	-16.96	-5.42	-981.44	-1517.32	-1357.12	-1141.64	245.32
1	26	87	92.22	-44.57	84.30	-36.64	31.95	7145.06	1750.08	3141.54	5753.60	-2360.24
1	26	88	171.37	44.02	106.01	109.38	63.65	2696.74	-1384.64	1341.63	-29.53	-1922.08
1	26	89	39.13	-24.81	32.72	-18.40	-19.20	1393.12	-2647.29	-504.91	-749.25	-2016.51
1	26	90	66.03	5.94	65.97	6.00	-1.93	528.68	-1595.70	-681.52	-385.50	-1051.83
1	26	91	65.95	3.42	65.95	3.42	-0.47	101.92	-901.79	-543.71	-256.17	-480.82
1	26	92	52.90	-0.64	51.87	0.39	7.37	-243.51	-708.77	-704.49	-247.80	-44.45
1	26	93	44.07	-1.88	44.03	-1.84	-1.39	-372.38	-1310.03	-1065.96	-616.45	411.44
1	26	94	97.42	60.12	96.42	61.11	6.00	-283.68	-1108.87	-567.85	-824.70	-392.10
1	26	95	60.49	-13.83	59.98	-13.33	6.11	768.00	-166.38	674.94	-73.33	-279.80
1	26	96	57.75	4.25	57.68	4.32	-1.84	375.48	-114.11	374.67	-113.30	19.85
1	26	97	59.15	4.74	59.11	4.79	1.57	347.46	-228.67	268.96	-150.17	197.65
1	26	98	32.10	-10.16	29.64	-7.70	9.89	338.86	-646.79	-102.41	-205.53	490.12
1	26	99	20.94	13.82	19.58	15.19	2.80	400.88	-1539.30	-334.60	-803.82	941.29
1	26	100	93.13	49.00	72.04	70.09	22.05	1318.30	-384.66	1185.82	-252.18	-456.14
1	26	101	31.66	-8.56	31.56	-8.46	-2.03	1075.96	-442.35	754.22	-120.61	-620.48
1	26	102	47.99	4.01	47.89	4.11	-2.10	618.33	-324.01	428.46	-134.14	-377.98
1	26	103	48.91	5.24	48.91	5.25	0.54	351.69	-206.28	270.04	-124.64	-197.21
1	26	104	32.70	-10.93	32.67	-10.91	1.05	-52.84	-443.92	-441.03	-55.72	-33.48
1	26	105	30.26	-19.92	20.79	-10.45	19.63	-610.17	-2682.12	-1889.58	-1402.72	1006.97
1	26	106	80.62	29.91	66.34	44.19	22.81	467.45	7.69	449.61	25.53	88.78
1	26	107	41.14	6.63	41.14	6.63	-0.20	163.67	-50.28	160.91	-47.51	-24.17
1	26	108	39.15	5.63	39.13	5.65	0.76	105.47	-387.21	-239.49	-42.26	225.74
1	26	109	22.29	-14.43	19.77	-11.91	9.29	359.75	-1356.02	-431.22	-565.05	855.27
1	26	110	63.36	9.24	38.67	33.93	-26.96	1381.15	-1132.88	48.73	199.53	1254.75
1	26	111	39.45	-26.19	39.39	-26.14	-1.86	3290.61	178.15	916.10	2552.66	1323.73

1	26	112	54.49	-58.04	-17.33	13.78	54.07	-350.36	-3019.34	-357.12	-3012.57	-134.21
1	26	113	-35.28	-89.26	-80.03	-44.51	20.33	-269.66	-2589.28	-668.02	-2190.92	874.85
1	26	114	9.28	-38.10	-6.07	-22.75	22.17	108.31	-786.47	-292.10	-386.06	444.91
1	26	115	24.03	-12.48	-0.44	11.99	17.16	1841.12	-85.24	0.11	1755.78	396.39
1	26	116	134.99	52.34	117.01	70.32	34.10	3648.65	312.85	708.02	3253.47	1077.99
1	26	117	27.45	-59.91	-12.19	-20.27	43.49	2551.66	930.76	1351.64	2130.78	-710.67
1	26	118	34.80	-55.13	-49.61	29.28	-21.58	-798.07	-3887.74	-1881.53	-2804.27	1474.33
1	26	119	-10.09	-60.46	-41.77	-28.78	-24.33	1863.29	-1106.22	746.85	10.22	1438.34
1	26	120	2.34	-26.22	-24.93	1.05	5.93	2465.79	-190.44	1913.84	361.51	1077.71
1	26	121	-5.64	-37.44	-37.43	-5.65	0.58	1893.60	-57.89	1849.03	-13.33	291.51
1	26	122	4.47	-31.97	-30.91	3.41	-6.13	1545.75	137.18	1509.31	173.61	-223.59
1	26	123	-7.94	-25.75	-25.52	-8.18	2.03	975.64	-368.75	518.02	88.86	-637.02
1	26	124	-50.07	-114.71	-74.32	-90.45	-31.30	-443.22	-1760.64	-1740.83	-463.04	-160.34
1	26	125	22.45	-25.91	-24.98	21.52	6.65	1003.62	-268.68	597.31	137.63	593.18
1	26	126	-2.56	-42.25	-42.01	-2.79	3.07	1558.68	56.51	1556.11	59.08	62.09
1	26	127	-2.88	-46.93	-46.91	-2.90	-0.89	1793.77	35.09	1725.92	102.94	-338.72
1	26	128	22.16	-22.68	-18.84	18.32	-12.55	1823.36	-229.10	1339.16	255.10	-871.41
1	26	129	-23.74	-70.43	-32.64	-61.53	18.34	431.29	-1384.10	-751.31	-201.51	-865.07
1	26	130	-44.21	-111.80	-62.75	-93.26	-30.15	-285.45	-1835.73	-1588.80	-532.37	567.30
1	26	131	21.70	-31.83	-29.39	19.26	11.15	1513.73	-422.06	855.80	235.88	916.92
1	26	132	-3.29	-59.67	-59.41	-3.54	3.78	1783.11	19.57	1692.87	109.81	388.58
1	26	133	-5.15	-62.08	-62.06	-5.18	-1.23	1683.53	86.85	1683.08	87.30	-26.80
1	26	134	28.44	-38.06	-36.51	26.88	-10.05	1451.25	-117.68	1161.44	172.13	-608.85
1	26	135	-52.58	-103.06	-76.27	-79.37	25.19	-16.30	-1269.38	-1203.97	-81.71	-278.72
1	26	136	-36.84	-82.97	-74.79	-45.02	-17.62	287.35	-691.70	-292.69	-111.67	481.08
1	26	137	6.92	-60.70	-60.29	6.50	5.28	1448.00	156.30	1361.99	242.31	322.03
1	26	138	-3.44	-72.05	-72.05	-3.45	0.41	2275.04	194.02	2235.55	233.50	-283.93
1	26	139	-6.22	-72.69	-72.67	-6.24	-1.11	3227.57	34.85	2891.85	370.57	-979.37
1	26	140	17.52	-43.16	-36.56	10.92	-18.89	4196.84	-541.25	3015.41	640.18	-2049.87
1	26	141	-15.73	-103.90	-65.63	-54.00	43.70	3372.34	-1646.19	1107.38	618.77	-2497.35
1	26	142	51.76	-107.25	-102.92	47.44	25.87	-1490.76	-6312.46	-2712.80	-5090.41	-2097.36
1	26	143	66.99	-98.54	1.07	-32.62	-81.03	4469.36	1070.91	1392.64	4147.63	994.93
1	26	144	224.07	85.59	196.74	112.93	-55.12	6441.92	770.16	1554.34	5657.75	-1957.73
1	26	145	46.29	-24.33	1.41	20.55	-33.99	3231.64	66.06	212.95	3084.75	-665.90
1	26	146	15.76	-58.74	-4.29	-38.69	-33.04	-9.55	-956.83	-232.06	-734.32	-401.58
1	26	147	-82.72	-210.31	-185.76	-107.26	-50.29	-792.77	-4705.61	-1195.34	-4303.04	-1188.76
1	26	148	95.31	-144.80	-19.49	-30.01	-119.94	-1753.23	-5936.89	-1988.20	-5701.92	963.24
1	26	149	14.26	-8.09	6.73	-0.56	10.56	466.61	-157.58	385.70	-76.67	209.65
1	26	150	9.99	-6.10	9.90	-6.01	1.16	420.32	-303.99	-71.20	187.54	-338.26
1	26	151	14.42	-6.70	9.63	-1.91	8.84	234.14	-549.14	-336.51	21.51	348.33
1	26	152	9.98	-3.90	9.97	-3.89	-0.28	312.78	-656.68	-607.06	263.16	-213.64
1	26	153	16.79	5.42	14.40	7.81	4.63	469.28	-704.72	-691.61	456.16	123.39
1	26	154	24.38	-20.87	-16.68	20.19	13.11	1336.65	-177.11	19.41	1140.13	-508.79
1	26	155	-13.32	-47.53	-14.15	-46.71	5.25	2457.71	-456.08	-441.00	2442.62	-209.11
1	26	156	6.81	-31.95	-30.08	4.94	-8.31	1197.41	-504.33	-344.43	1037.51	496.52
1	26	157	3.64	-38.22	-38.08	3.50	2.42	972.39	280.27	588.28	664.39	-343.96
1	26	158	-1.72	-38.55	-38.24	-2.04	-3.40	859.52	167.44	368.74	658.22	314.32
1	26	159	0.45	-31.58	-31.18	5.75e-02	3.54	897.48	499.44	891.32	505.61	49.15
1	26	160	-1.83	-30.59	-28.76	-3.66	-7.02	1147.44	523.11	1045.08	625.47	-231.15
1	26	161	0.87	-31.68	-30.68	-0.12	5.61	1111.29	207.54	786.45	532.38	433.65
1	26	162	3.11	-28.58	-22.68	-2.79	-12.33	1980.52	223.48	1296.20	907.80	-856.79
1	26	163	1.56	-40.23	-38.92	0.25	7.28	1281.33	-453.16	96.37	731.80	806.95
1	26	164	13.98	-26.60	-21.56	8.94	-13.39	2982.25	-224.47	1031.22	1726.55	-1565.22
1	26	165	18.40	-20.31	-19.13	17.22	-6.66	1589.45	-893.11	-611.00	1307.33	787.90
1	26	166	89.86	31.94	61.79	60.01	28.94	4781.26	550.63	1636.10	3695.79	-1847.70
1	26	167	3.60	-64.33	3.16	-63.89	5.43	2914.16	-608.36	-594.46	2900.27	-220.83
1	26	168	36.18	-9.32	-3.01	29.88	15.72	1680.77	-511.98	-149.37	1318.16	-814.63
1	26	169	5.54	-30.74	-30.57	5.36	-2.51	1358.61	-194.08	467.35	697.18	-767.79
1	26	170	31.65	-9.25	18.78	3.61	-18.99	2369.01	769.88	959.07	2179.82	-516.48
1	26	171	1.05	-22.60	-22.55	1.00	-1.08	1125.23	227.34	889.91	462.66	-394.86
1	26	172	8.51	-31.20	-18.04	-4.64	-18.69	249.70	-981.15	227.89	-959.34	-162.39
1	26	173	-0.45	-22.72	-22.71	-0.46	0.54	826.34	434.99	825.55	435.77	-17.52
1	26	174	-34.89	-71.10	-56.12	-49.87	17.83	105.01	-3186.35	-113.27	-2968.06	-819.04
1	26	175	-0.60	-28.36	-28.32	-0.64	1.01	768.78	43.19	283.45	528.51	341.48
1	26	176	3.89	-21.13	-20.40	3.16	-4.22	1016.52	-625.62	-454.21	845.11	502.09
1	26	177	-3.17	-39.39	-4.15	-38.42	5.85	1968.81	-655.39	-649.61	1963.02	-123.07
1	26	178	25.87	-6.37	20.71	-1.20	-11.83	1355.08	-1694.30	841.35	-1180.57	-1141.33
1	26	179	19.40	-11.60	-5.03	12.84	12.67	1093.99	-274.08	-70.23	890.14	-487.16
1	26	180	25.59	-1.14	21.02	3.43	-10.06	841.00	-1041.80	333.49	-534.29	-835.45
1	26	181	5.09	-21.12	-20.27	4.24	4.66	804.72	242.62	511.79	535.55	-280.80
1	26	182	26.06	1.28	25.34	2.01	-4.17	495.06	-703.40	112.12	-320.45	-558.84
1	26	183	1.71	-16.27	-14.38	-0.18	5.50	892.64	417.68	860.51	449.81	119.28
1	26	184	33.62	-5.33	33.61	-5.32	-0.65	113.86	-712.31	-200.92	-397.53	-401.22
1	26	185	19.66	-29.96	15.85	-26.14	-13.22	-487.17	-1502.85	-1146.12	-843.89	-484.84
1	26	186	43.49	25.79	27.88	41.40	-5.71	-1019.59	-1933.41	-1808.43	-1144.56	313.98
1	26	187	44.91	12.58	32.18	25.31	-15.79	2787.25	98.05	757.04	2128.26	1156.67

1	26	188	41.29	-5.73	40.79	-5.23	4.86	-82.93	-1071.89	-414.57	-740.26	466.89
1	26	189	41.40	-0.32	41.38	-0.30	-1.00	572.98	-280.71	552.97	-260.69	129.19
1	26	190	30.79	-0.76	30.51	-0.47	2.99	580.13	-133.99	556.53	-110.39	127.68
1	26	191	20.44	-5.10	13.27	2.07	11.47	1503.97	327.12	463.56	1367.52	376.77
1	26	192	29.02	-3.28	27.42	-1.68	7.01	480.96	-155.53	459.58	-134.14	114.69
1	26	193	7.37	-15.93	-7.98	-0.58	11.04	11.54	-503.63	-31.87	-460.22	143.10
1	26	194	36.38	-10.47	34.44	-8.53	9.33	187.72	-437.27	166.90	-416.44	112.17
1	26	195	-21.31	-50.86	-39.79	-32.38	-14.30	-404.03	-1974.10	-547.94	-1830.20	453.03
1	26	196	5.38	-45.16	2.21	-41.99	-12.25	-772.28	-1165.89	-826.28	-1111.89	-135.42
1	26	197	58.71	9.31	10.58	57.44	-7.82	-1177.49	-1935.08	-1481.65	-1630.93	371.37
1	26	198	28.87	-15.62	27.74	-14.49	6.98	89.46	-902.21	60.50	-873.26	166.95
1	26	199	36.74	-0.23	36.31	0.19	-3.95	888.15	-356.08	815.87	-283.79	-291.06
1	26	200	24.76	-0.58	24.72	-0.53	-1.06	734.02	-220.48	619.49	-105.94	-310.17
1	26	201	21.88	-0.30	20.31	1.27	5.68	407.19	-340.66	289.37	-222.84	272.45
1	26	202	22.57	-0.78	22.42	-0.63	1.83	584.86	-246.39	432.07	-93.60	-321.96
1	26	203	29.19	2.70	28.95	2.93	2.48	459.92	-298.63	392.73	-231.44	215.52
1	26	204	26.04	-6.46	25.45	-5.87	4.33	192.76	-527.79	-64.54	-270.49	-345.25
1	26	205	34.90	-1.49	34.30	-0.89	4.62	85.15	-963.52	-340.39	-537.97	514.94
1	26	206	8.95	-30.69	7.03	-28.77	-8.51	-426.33	-1424.22	-1137.85	-712.71	-451.40
1	26	207	33.76	17.04	21.67	29.13	-7.48	-628.85	-1883.61	-1698.83	-813.63	444.64
1	26	208	4.26	-15.27	-10.79	-0.22	8.22	1326.05	182.16	910.60	597.60	550.12
1	26	209	9.19	-12.79	-10.24	6.65	7.03	1857.81	-225.47	597.92	1034.42	1018.52
1	26	210	15.31	-4.54	9.65	1.12	8.96	461.72	-77.51	377.13	7.07	196.11
1	26	211	13.45	-9.52	11.83	-7.90	5.88	489.87	-1011.92	239.70	-761.76	559.56
1	26	212	19.60	-3.14	16.43	2.83e-02	7.87	406.84	-562.58	223.26	-379.00	379.82
1	26	213	5.56	-13.29	-11.05	3.32	6.11	640.67	366.91	370.88	636.70	32.71
1	26	214	7.02	-11.57	-9.36	4.81	6.01	1001.42	-0.61	0.14	1000.67	-27.38
1	26	215	-6.91	-7.76	-7.33	-7.35	-0.42	1027.29	-339.05	-338.70	1026.94	-21.85
1	26	216	5.84	-10.40	-7.45	2.88	-6.27	1103.87	-228.17	-228.17	1103.87	-0.94
1	26	217	2.52	-14.28	-9.97	-1.79	-7.34	663.36	106.74	112.43	657.66	-56.00
1	26	218	1.54	-14.68	-12.28	-0.87	5.77	614.82	394.05	558.14	450.73	96.44
1	26	219	4.88	-17.51	-9.71	-2.92	-10.67	728.06	237.29	515.60	449.74	-243.17
1	26	220	0.77	-15.11	-12.08	-2.26	6.25	708.09	198.09	425.12	481.06	253.46
1	26	221	12.18	-19.81	-7.11	-0.51	-15.65	1106.50	162.36	708.24	560.62	-466.27
1	26	222	1.31	-10.53	-9.28	5.60e-02	3.65	885.63	-39.41	74.22	772.01	303.64
1	26	223	24.27	-11.92	5.23	7.12	-18.07	1511.33	448.63	854.26	1105.70	-516.26
1	26	224	6.52	-5.00	-4.55	6.08	-2.22	1322.42	-240.76	-223.31	1304.97	164.22
1	26	225	-3.62	-11.56	-3.75	-11.43	1.01	1182.54	-339.39	-337.71	1180.86	-50.60
1	26	226	10.93	-5.47	-2.72	8.19	6.12	1119.96	-13.41	13.34	1093.21	-172.05
1	26	227	5.78	-5.88	-5.53	5.42	2.00	812.54	183.15	383.84	611.84	-293.32
1	26	228	0.38	-7.93	-7.91	0.36	0.42	770.85	207.79	585.48	393.17	-264.60
1	26	229	13.43	-22.78	-6.71	-2.64	-17.99	725.87	-579.85	623.56	-477.54	-350.88
1	26	230	-1.84	-7.67	-7.61	-1.89	0.56	578.89	298.86	481.54	396.21	-133.36
1	26	231	-1.69	-6.64	-6.64	-1.70	-0.15	615.65	113.66	113.67	615.65	1.91
1	26	232	1.77	-4.15	-3.39	1.00	-1.98	991.64	-259.23	-257.09	989.50	51.67
1	26	233	-0.43	-7.92	-0.84	-7.51	1.71	929.59	-405.83	-405.20	928.97	-28.95
1	26	234	8.47	-6.45	-1.61	3.63	6.99	820.11	-102.78	-100.85	818.18	-42.19
1	26	235	17.98	-10.90	5.30	1.78	-14.33	837.91	-345.11	622.40	-129.61	-456.62
1	26	236	8.81	-8.27	-2.52	3.06	8.07	473.22	258.14	260.63	470.73	23.03
1	26	237	14.51	-5.99	8.99	-0.47	-9.09	572.56	-283.49	295.71	-6.65	-400.44
1	26	238	8.20	-10.15	-2.48	0.53	9.05	553.76	255.63	479.94	329.45	128.68
1	26	239	12.36	-7.35	9.91	-4.90	-6.49	382.07	-408.84	-132.97	106.20	-376.95
1	26	240	10.07	-11.22	-1.07	-8.04e-02	10.63	702.49	142.12	460.65	383.96	277.55
1	26	241	12.25	-4.53	9.99	-2.26	-5.73	257.43	-709.58	-630.98	178.83	-264.25
1	26	242	16.77	10.59	15.06	12.29	2.76	451.00	-696.83	-686.90	441.07	106.28
1	26	243	14.54	-5.69	11.18	-2.33	7.53	241.63	-509.27	-297.34	29.70	337.97
1	26	244	15.45	-6.81	5.83	2.81	11.03	976.33	199.83	440.39	735.77	359.06
1	26	245	15.70	-2.25	14.06	-0.61	5.16	499.26	-84.93	293.57	120.76	279.02
1	26	246	15.28	-2.73	13.26	-0.71	5.68	582.00	104.96	541.28	145.68	133.28
1	26	247	15.76	-5.37	12.94	-2.55	7.19	450.66	130.32	419.59	161.39	94.80
1	26	248	7.85	-13.83	-1.64	-4.34	10.76	281.89	-278.43	230.33	-226.87	161.97
1	26	249	10.81	-9.35	9.82	-8.36	4.36	154.88	26.13	36.29	144.72	-34.71
1	26	250	7.70	-7.79	7.62	-7.71	-1.15	66.95	-475.22	-457.10	48.83	-97.44
1	26	251	17.37	8.71	12.07	14.00	4.22	303.45	-508.44	-496.99	291.99	95.76
1	26	252	10.23	-9.34	6.27	-5.38	7.86	60.41	-301.43	-121.99	-119.03	180.92
1	26	253	11.08	-1.09	10.85	-0.86	1.66	465.38	58.84	449.84	74.39	-77.95
1	26	254	11.31	-1.05e-03	11.26	5.05e-02	0.76	693.57	34.25	603.32	124.50	-226.62
1	26	255	11.08	-2.04	10.83	-1.80	1.77	583.40	-54.63	398.56	130.21	-289.43
1	26	256	15.90	-2.25	11.96	1.69	7.49	378.57	-129.03	183.69	65.85	246.87
1	33	1	-9.11	-75.21	-11.12	-73.21	11.32	-458.86	-2139.50	-1022.47	-1575.89	-793.46
1	33	3	78.83	12.29	12.55	78.58	4.08	633.15	-2065.07	-1113.77	-318.16	-1289.13
1	33	5	1.61	-42.48	-42.35	1.48	-2.39	-1266.37	-3284.85	-3284.79	-1266.43	11.36
1	33	7	59.01	12.26	58.98	12.29	-1.09	-2427.31	-3134.48	-3132.48	-2429.30	37.52
1	33	9	35.87	15.20	35.45	15.62	2.93	-2080.82	-2417.58	-2086.86	-2411.54	-44.70
1	33	11	-15.77	-27.96	-27.77	-15.97	-1.52	-1268.30	-4155.99	-4153.99	-1270.30	75.96
1	33	13	-15.20	-26.71	-26.29	-15.62	-2.15	-1667.02	-3295.95	-3295.66	-1667.31	-21.64

1	33	15	41.42	2.41	40.85	2.97	4.66	-2446.49	-3145.46	-3143.25	-2448.71	-39.27
1	33	17	-0.44	-24.07	-4.32	-20.20	-8.75	-799.09	-1769.18	-865.36	-1702.91	244.74
1	33	19	45.56	-0.38	1.68	43.50	-9.51	109.70	-1718.34	-939.93	-668.71	903.91
1	33	21	-79.78	-187.94	-88.01	-179.71	28.68	1265.57	-1364.73	-835.39	736.23	1054.57
1	33	22	31.72	-66.71	-47.42	12.43	39.08	-1348.79	-3314.25	-3308.66	-1354.38	-104.71
1	33	23	77.23	-44.42	-42.32	75.13	15.85	-1804.94	-4628.67	-4580.69	-1852.92	-364.93
1	33	24	53.57	-58.75	-58.13	52.95	-8.35	-842.38	-2764.11	-2573.02	-1033.46	-575.07
1	33	25	-106.71	-249.43	-109.60	-246.54	-20.11	2108.57	-2733.94	-2301.70	1676.33	-1380.68
1	33	26	297.69	137.06	137.90	296.85	-11.60	1513.02	-3118.93	1100.61	-2706.52	-1319.16
1	33	27	83.09	-36.09	82.55	-35.55	8.05	2261.89	-1482.73	-1328.47	2107.63	744.21
1	33	28	50.20	-63.23	49.76	-62.79	-7.00	2857.75	-401.40	-388.89	2845.23	201.56
1	33	29	59.03	-44.65	53.37	-38.98	-23.56	1479.29	-1875.99	-1857.13	1460.44	-250.79
1	33	30	148.16	66.33	66.41	148.08	2.57	658.88	-1974.68	493.84	-1809.64	638.28
1	33	31	0.47	-71.08	-66.55	-4.06	-17.43	1871.30	-285.09	799.27	786.93	1078.18
1	33	32	1.66	-51.99	-51.75	1.42	3.60	1530.89	359.68	1411.40	479.18	354.50
1	33	33	1.13	-43.66	-43.62	1.09	-1.38	2042.18	404.39	1931.14	515.43	-411.75
1	33	34	1.67	-41.56	-40.83	0.94	-5.57	3036.80	-32.55	2123.67	880.57	-1403.18
1	33	35	13.09	-52.51	-49.02	9.60	-14.74	3934.96	-681.69	1891.92	1361.35	-2293.03
1	33	36	26.36	-90.36	-43.68	-20.32	57.18	4561.07	-2552.22	-106.21	2115.07	-3378.79
1	33	37	112.82	-110.98	107.06	-105.22	35.45	6933.57	1421.53	1717.37	6637.72	-1242.25
1	33	38	21.12	-28.36	7.51	-14.74	-22.10	2358.73	69.14	290.47	2137.40	-676.59
1	33	39	30.81	-18.41	-5.85	18.24	-21.46	53.62	-1030.07	-211.73	-764.73	-465.99
1	33	40	101.03	-104.36	-100.46	97.14	28.02	-1706.65	-5784.58	-1888.48	-5602.75	-841.68
1	33	41	85.62	-11.36	52.37	21.90	46.04	2158.95	-4118.74	383.99	-2343.78	-2827.04
1	33	42	57.58	-4.37	55.60	-2.39	-10.91	858.32	-2766.35	-630.79	-1277.24	-1783.28
1	33	43	44.35	-3.12	43.41	-2.18	-6.60	496.97	-1932.64	-634.63	-801.03	-1211.95
1	33	44	50.08	0.14	49.97	0.26	-2.42	295.39	-949.17	-283.45	-370.33	-620.76
1	33	45	52.49	-5.30	52.24	-5.05	3.75	17.02	-570.76	-152.80	-400.94	-266.42
1	33	46	43.24	4.82	42.29	5.77	-5.95	-68.39	-669.43	-80.84	-656.97	85.63
1	33	47	76.04	-5.75	74.85	-4.56	9.79	-618.55	-1329.60	-876.99	-1071.16	-342.02
1	33	48	44.58	-8.55	44.21	-8.18	-4.44	-2.77	-314.83	-3.90	-313.70	18.77
1	33	49	48.17	0.95	48.16	0.96	0.42	399.87	-212.34	325.96	-138.43	199.46
1	33	50	46.29	0.48	45.83	0.95	4.62	589.18	-221.00	499.43	-131.25	254.29
1	33	51	39.28	-12.17	36.41	-9.31	11.80	664.39	-504.08	487.33	-327.03	418.97
1	33	52	40.51	6.61	32.31	14.80	-14.51	1256.54	-788.14	1080.75	-612.35	573.17
1	33	53	53.19	-9.23	48.24	-4.28	16.87	252.50	-1366.09	-142.27	-971.33	-695.07
1	33	54	31.34	-13.69	28.38	-10.73	-11.16	400.37	-571.15	192.78	-363.55	-398.23
1	33	55	32.13	-1.13e-02	32.05	6.57e-02	-1.57	486.49	-224.96	400.39	-138.86	-232.04
1	33	56	34.97	0.26	34.83	0.41	2.26	529.13	-163.69	479.67	-114.22	-178.38
1	33	57	27.78	-6.33	27.22	-5.77	4.35	288.84	-273.63	281.67	-266.45	-63.12
1	33	58	38.40	6.60	37.04	7.96	-6.43	103.44	-617.42	99.97	-613.95	49.89
1	33	59	41.75	-13.01	41.40	-12.66	4.34	-757.34	-1130.45	-1114.51	-773.28	-75.46
1	33	60	30.73	-5.76	30.07	-5.10	-4.86	70.02	-388.16	-43.85	-274.28	198.01
1	33	61	26.94	0.73	26.89	0.79	1.21	384.44	-399.30	150.37	-165.23	358.69
1	33	62	25.90	1.50	25.31	2.09	3.74	597.38	-626.79	214.58	-243.98	567.52
1	33	63	32.13	-3.92	30.37	-2.15	7.78	930.01	-1090.94	342.32	-503.25	917.78
1	33	64	40.80	-9.27	16.71	14.82	-25.02	1773.53	-1686.07	1128.70	-1041.24	1347.24
1	33	65	51.32	-59.19	-58.36	50.49	-9.52	-847.61	-2691.61	-863.61	-2675.61	171.05
1	33	66	14.35	-10.39	-3.53	7.49	11.07	392.08	-51.47	124.93	215.68	217.08
1	33	67	12.44	-21.30	4.89	-13.75	14.07	2177.29	180.65	452.72	1905.23	684.98
1	33	68	67.44	-80.26	60.31	-73.12	-31.67	4499.81	809.99	1389.78	3920.02	1342.82
1	33	69	32.51	-59.17	-41.68	15.02	-36.02	3710.95	-982.11	1249.35	1479.48	2343.71
1	33	70	11.99	-30.73	-26.41	7.67	12.88	3026.32	-146.83	2070.68	808.80	1455.73
1	33	71	-0.75	-26.03	-25.44	-1.34	3.80	2157.40	250.78	1944.12	464.07	600.97
1	33	72	-1.91	-33.70	-33.59	-2.02	1.88	1462.02	306.65	1461.67	307.01	-20.12
1	33	73	-0.85	-36.02	-35.99	-0.88	0.96	1049.38	-114.87	689.16	245.35	-538.17
1	33	74	-2.77	-37.38	-13.68	-26.47	16.08	524.48	-1440.65	-910.09	-6.08	-872.43
1	33	75	-3.40	-46.65	-44.69	-5.37	-9.00	1771.78	-265.64	941.05	565.10	1001.22
1	33	76	8.08	-38.78	-38.16	7.45	5.38	1339.89	99.96	1115.66	324.19	477.23
1	33	77	-0.60	-36.13	-36.11	-0.63	1.01	1503.87	303.05	1501.22	305.71	-56.39
1	33	78	-1.25	-37.96	-37.84	-1.37	-2.07	1523.31	28.29	1262.54	289.06	-567.32
1	33	79	7.95	-35.56	-34.96	7.35	-5.08	1520.68	-673.66	488.28	358.74	-1095.26
1	33	80	-0.76	-44.71	-6.96	-38.51	15.30	849.41	-2515.83	-1713.05	46.63	-1434.25
1	33	81	2.73	-51.83	-48.61	-0.49	-12.85	2151.55	-1205.30	191.30	754.95	1654.59
1	33	82	10.18	-42.86	-40.50	7.82	10.95	1812.55	-276.02	1108.76	427.76	987.21
1	33	83	-0.52	-41.99	-41.68	-0.84	3.58	1660.78	214.43	1550.60	324.62	383.70
1	33	84	-0.86	-49.68	-49.68	-0.86	-0.27	1368.57	270.40	1349.49	289.48	-143.49
1	33	85	6.99	-50.07	-50.06	6.98	-0.74	1226.52	-208.98	669.22	348.33	-699.59
1	33	86	-19.45	-51.15	-28.01	-42.59	14.07	512.51	-1534.44	-977.76	-44.17	-910.83
1	33	87	32.17	-63.68	-62.61	31.09	-10.10	-659.26	-3258.59	-1285.47	-2632.38	1111.57
1	33	88	1.78	-37.08	-23.52	-11.79	-18.52	2620.67	-693.05	1359.47	568.15	1608.93
1	33	89	9.90	-24.82	-19.99	5.07	12.02	2989.95	-189.56	2433.04	367.35	1208.54
1	33	90	-3.49	-44.61	-44.60	-3.50	0.73	2353.57	104.34	2230.39	227.52	511.74
1	33	91	-2.15	-45.19	-45.19	-2.15	-0.27	1727.66	146.12	1725.56	148.22	57.62
1	33	92	6.67	-39.10	-38.99	6.56	-2.24	1038.04	-1.78	880.34	155.92	-372.97
1	33	93	-34.62	-78.67	-62.45	-50.84	21.25	-123.72	-912.12	-758.09	-277.75	-312.59

1	33	94	-26.50	-60.46	-37.47	-49.49	-15.88	135.71	-949.20	-821.78	8.29	349.29
1	33	95	26.67	-19.79	-16.38	23.26	12.12	1569.80	19.05	1430.87	157.98	442.88
1	33	96	-4.20	-47.41	-47.36	-4.25	1.54	1674.17	84.72	1672.75	86.14	-47.40
1	33	97	-2.57	-47.26	-47.09	-2.74	-2.79	1752.10	-24.14	1624.29	103.68	-459.01
1	33	98	21.26	-25.52	-24.06	19.81	-8.12	1441.35	-551.16	678.64	211.55	-968.50
1	33	99	-49.31	-130.59	-73.04	-106.86	36.96	-518.96	-2101.62	-1955.85	-664.73	-457.66
1	33	100	-18.97	-53.46	-23.70	-48.73	-11.86	757.20	-1223.63	-395.49	-70.94	977.03
1	33	101	22.67	-30.36	-25.40	17.70	15.45	1946.76	-124.43	1543.42	278.91	820.20
1	33	102	-3.75	-60.55	-60.48	-3.81	1.92	1840.53	67.27	1799.13	108.66	267.76
1	33	103	-3.75	-58.27	-58.12	-3.89	-2.78	1592.90	49.50	1581.48	60.93	-132.31
1	33	104	25.79	-46.47	-46.15	25.47	-4.77	1028.41	-523.55	349.30	155.55	-769.91
1	33	105	-77.01	-157.74	-114.00	-120.74	40.22	-513.57	-2143.37	-2111.01	-545.94	227.39
1	33	106	-4.90	-40.70	-40.64	-4.96	1.43	1476.28	-280.12	1004.22	191.94	778.64
1	33	107	3.81	-55.64	-54.27	2.44	8.93	2048.23	225.49	2034.47	239.24	157.76
1	33	108	-9.60	-66.61	-66.61	-9.60	-0.57	2546.47	-163.86	2407.68	-25.07	-597.42
1	33	109	5.55	-48.33	-46.33	3.55	-10.18	3591.96	-423.75	2487.78	680.43	-1793.00
1	33	110	-24.89	-121.08	-82.31	-63.66	47.18	2690.57	-2090.92	630.72	-31.07	-2367.74
1	33	111	51.21	-93.41	-83.67	41.46	36.26	-1467.13	-6991.73	-3271.55	-5187.31	-2590.90
1	33	112	68.08	-104.19	-13.52	-22.59	-86.02	5135.58	1775.08	2276.78	4633.88	1197.61
1	33	113	234.47	93.61	205.67	122.42	-56.81	6046.74	794.68	1376.44	5464.98	-1648.33
1	33	114	44.95	-21.82	-0.66	23.79	-31.06	2639.39	-22.30	75.59	2541.50	-500.97
1	33	115	18.72	-58.66	-5.78	-34.15	-36.00	-90.01	-1453.68	-367.31	-1176.38	-548.86
1	33	116	-76.25	-188.70	-168.67	-96.28	-43.03	-763.39	-4971.90	-1335.62	-4399.68	-1442.48
1	33	117	98.19	-97.53	-15.72	16.38	-96.54	-1189.05	-5598.70	-1278.03	-5509.71	620.06
1	33	118	75.05	-40.90	72.63	-38.48	16.58	6386.92	845.27	2302.94	4929.24	-2439.90
1	33	119	123.66	24.09	78.85	68.90	49.53	2385.62	-1980.85	162.81	241.95	-2182.88
1	33	120	44.24	-17.66	41.10	-14.52	-13.58	629.86	-2518.69	-1005.14	-883.69	-1573.10
1	33	121	68.34	9.59	68.33	9.60	-0.75	241.73	-1070.04	-797.92	-30.39	-531.89
1	33	122	64.66	7.46	64.50	7.61	3.00	-105.69	-370.92	-364.19	-112.42	-41.70
1	33	123	89.22	33.22	81.46	40.97	-19.35	-0.91	-114.05	-37.05	-77.91	52.75
1	33	124	63.12	17.19	60.47	19.84	-10.71	-474.39	-2364.92	-1519.43	-1319.88	-939.99
1	33	125	53.85	-14.87	53.84	-14.86	0.83	21.89	-288.46	-193.00	-73.57	-143.23
1	33	126	65.02	6.34	65.02	6.34	-0.25	284.14	-165.25	244.99	-126.10	126.73
1	33	127	61.63	4.87	61.47	5.02	2.99	502.06	-286.67	355.58	-140.18	306.73
1	33	128	38.62	-8.34	38.12	-7.85	4.78	859.81	-454.19	550.04	-144.42	557.75
1	33	129	76.04	44.36	63.11	57.28	-15.57	1054.00	-607.50	829.46	-382.97	568.02
1	33	130	33.33	25.28	29.84	28.77	3.99	582.63	-1222.32	32.15	-671.84	-830.99
1	33	131	25.71	-9.63	24.32	-8.25	-6.86	503.31	-608.79	75.04	-180.52	-541.17
1	33	132	46.81	3.98	46.81	3.99	-0.58	456.79	-263.56	337.59	-144.35	-267.69
1	33	133	43.11	3.28	42.99	3.39	2.16	402.09	-129.47	384.95	-112.32	-93.92
1	33	134	40.16	-10.04	39.84	-9.71	-4.03	432.75	-84.47	406.40	-58.12	113.74
1	33	135	58.02	30.83	57.61	31.24	3.31	-469.62	-1395.23	-949.60	-915.25	462.48
1	33	136	32.57	3.10	31.69	3.99	5.02	-271.26	-780.60	-601.19	-450.67	-243.30
1	33	137	31.17	-0.27	30.56	0.33	-4.33	-161.15	-223.71	-223.01	-161.85	-6.61
1	33	138	39.10	2.12	39.09	2.13	0.62	161.65	-365.77	-33.47	-170.65	254.63
1	33	139	37.97	3.20	37.90	3.27	1.56	463.54	-725.82	-19.92	-242.36	584.19
1	33	140	20.72	-17.11	16.15	-12.55	12.32	1007.69	-1407.03	77.32	-476.66	1175.15
1	33	141	104.03	27.02	63.89	67.17	-38.47	1718.92	-608.08	1089.50	21.33	1033.68
1	33	142	47.82	-24.14	43.97	-20.29	-16.18	4090.24	919.18	1714.14	3295.28	1374.37
1	33	143	52.72	-95.11	-17.71	-24.68	73.83	-975.30	-3389.92	-1061.82	-3303.39	-448.82
1	33	144	-41.89	-109.06	-95.99	-54.96	26.59	-310.81	-2302.56	-524.69	-2088.68	616.65
1	33	145	6.95	-36.32	-4.28	-25.09	18.97	297.90	-350.66	-157.34	104.58	296.66
1	33	146	24.29	-15.93	1.41	6.96	19.92	2385.70	-0.83	138.97	2245.91	560.43
1	33	147	122.86	44.76	106.99	60.63	31.43	4050.46	275.44	882.65	3443.25	1386.91
1	33	148	20.27	-58.91	-0.71	-37.93	34.95	1909.79	306.74	467.03	1749.49	-480.90
1	33	149	12.91	-16.39	-3.16	-0.31	-14.58	992.11	-3.73	456.49	531.90	-496.49
1	33	150	0.11	-13.23	-11.02	-2.10	4.96	648.68	59.35	61.69	646.34	-37.09
1	33	151	6.85	-8.81	-5.28	3.32	-6.54	924.56	2.13	3.21	923.47	31.62
1	33	152	5.45	-10.58	-7.09	1.96	6.61	1107.69	-275.04	-274.89	1107.54	14.12
1	33	153	-4.78	-10.53	-5.03	-10.29	1.16	1015.11	-366.35	-360.21	1008.97	91.90
1	33	154	26.48	-9.17	26.32	-9.01	-2.42	-99.81	-1052.12	-546.08	-605.85	-475.22
1	33	155	32.48	18.89	19.99	31.39	3.70	-728.27	-1677.64	-1660.14	-745.78	-127.72
1	33	156	15.39	-21.76	12.04	-18.41	10.64	-227.26	-1223.06	-869.05	-581.27	476.66
1	33	157	30.04	-1.83	29.43	-1.22	4.35	482.42	-303.33	399.55	-220.47	-241.34
1	33	158	22.38	-4.28	22.28	-4.18	1.60	231.38	-425.70	27.05	-221.37	304.16
1	33	159	22.86	-0.62	22.76	-0.52	1.54	597.47	-152.06	532.77	-87.36	-210.50
1	33	160	16.56	-0.31	15.63	0.62	3.84	490.08	-325.41	305.87	-141.20	341.01
1	33	161	22.60	-2.05	22.47	-1.92	-1.80	554.47	-165.04	496.72	-107.29	-195.49
1	33	162	16.05	-1.82	12.49	1.74	7.14	688.13	-467.83	480.46	-260.16	443.77
1	33	163	32.73	-7.51	32.26	-7.03	-4.34	361.75	-413.94	315.68	-367.87	-183.35
1	33	164	15.56	-4.12	11.90	-0.46	7.66	979.77	-782.84	770.08	-573.15	570.64
1	33	165	11.67	-39.73	7.33	-35.40	14.29	-573.77	-1093.36	-619.03	-1048.11	146.52
1	33	166	-22.28	-39.91	-32.97	-29.22	-8.62	174.63	-1650.27	118.57	-1594.20	314.91
1	33	167	58.84	9.49	10.73	57.60	7.73	-1331.38	-1779.81	-1478.10	-1633.09	-210.40
1	33	168	23.55	-21.34	23.10	-20.88	-4.48	-112.66	-966.74	-142.50	-936.90	-156.82
1	33	169	41.00	-3.06	39.04	-1.11	9.07	720.11	-377.39	674.60	-331.88	218.81

1	33	170	5.31	-18.59	-10.34	-2.94	11.36	354.38	-303.86	346.14	-295.62	73.17
1	33	171	31.51	-1.59	30.26	-0.34	6.30	652.32	-202.11	583.48	-133.27	232.55
1	33	172	19.02	-6.10	11.08	1.84	11.68	1733.21	636.02	842.11	1527.12	428.54
1	33	173	30.87	-0.72	30.66	-0.52	2.55	519.12	-186.55	450.27	-117.70	209.39
1	33	174	58.78	19.21	38.62	39.37	-19.78	3283.22	444.36	1404.77	2322.81	1343.16
1	33	175	37.90	-5.04	37.87	-5.02	-1.03	186.15	-421.35	79.15	-314.35	231.41
1	33	176	24.02	-27.85	21.62	-25.45	10.90	-503.64	-1380.70	-1022.62	-861.73	431.09
1	33	177	41.85	27.73	29.89	39.69	5.08	-1147.71	-1972.98	-1880.92	-1239.78	-259.81
1	33	178	11.64	-16.25	-12.78	8.17	9.20	2105.64	115.69	1102.20	1119.13	994.94
1	33	179	39.85	-9.45	38.53	-8.12	-7.97	-192.99	-1271.10	-635.58	-828.51	-530.35
1	33	180	3.83	-19.07	-14.15	-1.09	9.41	1423.19	359.53	1149.10	633.62	465.20
1	33	181	40.75	1.24	40.62	1.37	-2.27	279.96	-567.18	144.71	-431.94	-310.29
1	33	182	6.61e-02	-21.39	-19.05	-2.27	6.69	851.50	445.86	851.06	446.30	13.27
1	33	183	31.74	0.90	30.37	2.27	-6.36	403.43	-738.49	94.52	-429.58	-507.27
1	33	184	-2.44	-27.69	-26.90	-3.22	4.39	757.70	-133.55	141.31	482.84	-411.60
1	33	185	-1.39	-27.64	-26.30	-2.74	5.79	941.46	-783.76	-620.30	778.00	-505.26
1	33	186	-4.83	-38.23	-6.41	-36.65	-7.09	2102.59	-647.97	-589.47	2044.09	396.83
1	33	187	-31.89	-81.94	-63.68	-50.16	24.10	-481.40	-3611.51	-802.39	-3290.52	-949.58
1	33	188	27.57	-5.99	-2.21	23.79	-10.62	1229.01	-83.36	149.36	996.29	501.26
1	33	189	4.56	-26.15	-26.11	4.52	1.08	919.05	443.16	741.25	620.96	230.22
1	33	190	0.19	-23.53	-23.49	0.15	0.95	951.45	444.29	914.49	481.24	-131.83
1	33	191	10.87	-28.04	-15.51	-1.66	-18.18	-104.11	-1196.52	-154.68	-1145.95	-229.54
1	33	192	-4.33e-03	-25.67	-25.66	-1.06e-02	-0.40	1154.83	98.74	749.20	504.37	-513.66
1	33	193	32.98	-8.59	21.10	3.29	-18.78	2151.99	445.25	578.55	2018.69	-457.97
1	33	194	-1.07	-36.86	-36.72	-1.21	-2.24	1267.97	-636.15	-51.94	683.76	-878.13
1	33	195	74.48	22.70	55.27	41.90	25.01	4361.40	196.76	996.76	3561.40	-1640.64
1	33	196	12.84	-26.47	-24.38	10.75	8.81	1506.97	-1077.99	-818.10	1247.08	-777.35
1	33	197	3.48	-64.76	3.01	-64.29	-5.63	2951.35	-636.39	-595.37	2910.33	381.44
1	33	198	40.98	-2.90	1.61	36.48	-13.31	1785.23	-338.07	55.53	1391.63	825.10
1	33	199	8.15	-34.74	-33.37	6.78	7.53	1380.94	-21.15	610.29	749.50	697.58
1	33	200	1.98	-29.31	-27.98	0.66	6.30	1093.34	323.27	926.29	490.32	317.39
1	33	201	0.26	-25.92	-24.36	-1.30	-6.20	1262.76	449.19	1056.60	655.35	-353.87
1	33	202	-6.12e-02	-31.45	-30.96	-0.55	3.87	830.70	435.12	806.23	459.59	-95.30
1	33	203	6.48	-32.51	-31.98	5.95	-4.48	935.16	561.20	759.64	736.72	186.63
1	33	204	-1.36	-40.88	-40.75	-1.49	2.29	860.23	-147.97	139.91	572.35	-455.38
1	33	205	27.05	-16.27	-9.24	20.03	-15.96	1374.12	31.29	224.65	1180.76	471.45
1	33	206	1.05	-36.19	-34.98	-0.16	6.60	1152.59	-727.83	-569.35	994.11	-522.40
1	33	207	-10.59	-50.74	-12.36	-48.97	-8.25	2422.08	-500.22	-467.36	2389.22	308.14
1	33	208	29.46	-2.99	25.35	1.12	-10.79	559.72	-1178.04	67.14	-685.47	-783.16
1	33	209	23.02	-12.90	20.55	-10.44	-9.09	885.11	-1985.75	312.11	-1412.74	-1147.47
1	33	210	8.28	-14.15	-5.87	-4.22e-03	-10.83	787.56	169.88	533.35	424.10	-303.97
1	33	211	12.65	-22.09	-18.62	9.18	-10.42	2804.56	-593.34	524.86	1686.35	-1596.61
1	33	212	4.03	-24.94	-19.73	-1.19	-11.13	1944.18	23.85	1063.20	904.83	-956.89
1	33	213	10.18	-0.94	10.15	-0.91	0.58	498.53	-105.60	241.21	151.73	-298.73
1	33	214	8.53	-2.17	8.06	-1.70	-2.20	256.58	-461.18	-325.42	120.82	-281.10
1	33	215	11.80	9.55	11.52	9.83	0.75	509.77	-650.65	-649.95	509.07	-28.49
1	33	216	10.32	-6.02	6.57	-2.27	6.88	354.32	-613.75	-535.75	276.32	263.48
1	33	217	10.00	-7.33	6.84	-4.17	6.69	370.33	-223.58	-47.16	193.90	271.39
1	33	218	10.36	-0.87	10.26	-0.77	1.05	626.69	38.41	510.61	154.48	-234.12
1	33	219	10.86	-6.22	5.73	-1.09	7.83	480.62	-51.50	350.48	78.64	228.72
1	33	220	10.88	-2.72	10.88	-2.72	3.81e-02	516.49	96.54	442.56	170.47	-159.94
1	33	221	12.54	-8.29	3.08	1.17	10.37	702.87	-76.52	622.33	4.01	237.24
1	33	222	9.52	-7.62	9.37	-7.47	1.58	169.06	94.42	97.60	165.88	-15.08
1	33	223	9.25	-14.56	-4.12	-1.19	11.81	676.13	-164.06	637.95	-125.88	175.00
1	33	224	9.59	-10.64	7.11	-8.16	6.64	74.27	-440.09	-402.00	36.19	134.68
1	33	225	15.36	10.49	12.06	13.78	2.28	310.31	-484.40	-483.80	309.71	-21.89
1	33	226	7.18	-5.19	6.87	-4.88	-1.94	15.52	-277.82	-171.45	-90.85	-141.03
1	33	227	12.55	-2.59	11.36	-1.40	4.08	390.98	61.77	390.81	61.94	7.48
1	33	228	15.75	-2.41	13.41	-6.99e-02	6.08	629.09	58.39	584.08	103.41	153.83
1	33	229	16.18	-7.85	2.65	5.68	11.92	1138.72	451.21	839.07	750.86	340.92
1	33	230	15.29	-2.71	14.18	-1.60	4.33	502.44	40.85	422.55	120.74	174.62
1	33	231	14.94	-6.26	14.28	-5.61	3.66	384.51	-246.67	-19.00	156.84	303.09
1	33	232	14.89	-6.07	13.67	-4.85	4.91	239.36	-683.32	-589.08	145.12	279.42
1	33	233	18.96	10.22	18.59	10.59	-1.76	379.41	-739.72	-736.45	376.14	-60.37
1	33	234	16.92	-5.53	13.13	-1.74	-8.41	139.04	-662.68	-439.98	-83.66	-359.10
1	33	235	9.56	-14.34	-4.88	0.10	11.69	851.27	283.64	708.55	426.37	246.26
1	33	236	18.82	-2.53	15.23	1.06	-7.99	384.84	-326.44	85.30	-26.90	-351.19
1	33	237	5.26	-14.00	-6.44	-2.29	9.41	498.97	326.06	460.80	364.23	71.71
1	33	238	19.34	-5.00	12.95	1.40	-10.71	539.37	-316.91	321.44	-98.98	-372.99
1	33	239	3.04	-12.69	-7.04	-2.61	7.55	573.67	21.28	25.93	569.01	-50.51
1	33	240	19.69	-10.80	9.04	-0.15	-14.54	609.85	-437.82	388.51	-216.47	-427.67
1	33	241	7.70	-8.83	-4.16	3.03	7.44	1019.05	-319.54	-319.54	1019.05	-0.48
1	33	242	-0.28	-8.25	-3.58	-4.95	3.93	976.25	-384.55	-376.86	968.56	102.01
1	33	243	3.66	-5.88	-5.81	3.58	-0.84	882.06	15.35	23.82	873.59	85.27
1	33	244	11.18	-21.70	-4.56	-5.96	-16.42	337.12	-719.96	217.41	-600.24	-334.99
1	33	245	3.88	-6.65	-6.64	3.87	-0.30	621.32	407.78	423.83	605.27	-56.30

1	33	246	-0.55	-9.08	-8.98	-0.65	0.92	723.43	305.71	587.85	441.29	-195.58
1	33	247	-2.25	-10.00	-9.87	-2.38	1.00	749.83	110.80	399.56	461.07	-318.03
1	33	248	23.42	-10.57	8.58	4.27	-16.86	1381.80	154.65	455.82	1080.63	-528.09
1	33	249	2.94e-02	-9.35	-8.70	-0.62	2.38	892.85	-128.77	12.22	751.85	-352.37
1	33	250	10.87	-8.16	-3.88	6.59	7.94	1330.28	-288.23	-278.27	1320.32	-126.57
1	33	251	-1.05	-14.69	-3.82	-11.92	5.49	1203.04	-355.25	-345.47	1193.25	123.07
1	33	252	8.00	-3.62	-3.61	7.99	-0.32	1139.00	21.93	64.21	1096.72	213.17
1	33	253	7.32	-7.32	-6.37	6.37	3.60	808.49	271.23	440.76	638.96	249.68
1	33	254	3.17	-13.25	-10.21	0.12	6.38	719.60	288.17	601.82	405.95	192.20
1	33	255	0.71	-13.52	-10.82	-1.99	5.58	462.86	400.03	457.33	405.55	17.79
1	33	256	9.03	-10.80	-5.76	3.99	-8.63	633.91	299.48	359.38	574.02	-128.23
1	58	1	24.00	3.10	3.10	24.00	-1.94e-03	-428.78	-1451.51	-1016.56	-863.73	505.62
1	58	3	-0.43	-13.85	-2.38	-11.90	-4.72	-1018.88	-1151.85	-1020.46	-1150.27	-14.41
1	58	5	20.72	6.05	20.63	6.13	1.10	-2058.92	-3185.14	-3184.38	-2059.67	-29.13
1	58	7	-0.34	-4.68	-4.68	-0.34	-5.74e-02	-1753.55	-3226.14	-3226.04	-1753.65	12.04
1	58	9	-6.09	-8.68	-8.40	-6.37	0.80	-1619.37	-3513.45	-3513.16	-1619.66	-23.47
1	58	11	16.01	5.78	15.92	5.87	-0.95	-2058.44	-2724.90	-2723.15	-2060.20	34.18
1	58	13	27.89	-0.13	27.61	0.15	-2.78	-2217.93	-3183.72	-3183.52	-2218.13	13.82
1	58	15	-4.62	-12.23	-11.89	-4.96	1.57	-1777.47	-3267.91	-3267.77	-1777.61	14.57
1	58	17	29.58	0.65	1.21	29.02	3.99	-222.04	-1574.13	-1007.30	-788.87	-667.16
1	58	19	0.57	-14.21	-2.63	-11.01	6.09	-907.81	-1471.83	-911.79	-1467.84	-47.24
1	58	21	100.50	46.02	46.06	100.47	1.35	331.26	-1498.84	246.53	-1414.11	-384.56
1	58	22	42.79	-31.85	33.53	-22.59	24.61	847.40	-2170.83	-2145.27	821.83	276.61
1	58	23	22.27	-21.30	21.43	-20.47	5.97	1409.97	-1686.19	-1678.39	1402.16	-155.23
1	58	24	31.53	-13.74	28.16	-10.37	-11.89	990.12	-1965.85	-1860.19	884.46	-548.79
1	58	25	78.02	35.87	36.01	77.88	-2.44	-97.65	-1050.84	-159.42	-989.07	234.65
1	58	26	-17.29	-52.02	-21.43	-47.88	11.25	133.67	-989.65	-822.84	-33.14	399.44
1	58	27	23.53	-18.44	-8.68	13.78	17.73	-49.92	-2459.19	-2381.18	-127.92	426.44
1	58	28	32.87	-14.02	-13.84	32.69	-2.89	-408.35	-3301.23	-3299.00	-410.57	80.26
1	58	29	22.58	-36.15	-22.47	8.90	-24.83	-388.52	-2695.29	-2675.97	-407.84	-210.19
1	58	30	-46.64	-115.68	-52.27	-110.04	-18.90	661.29	-1108.29	-780.90	333.90	-687.14
1	58	31	6.53	-1.50	6.06	-1.03	-1.88	117.20	-464.61	-120.99	-226.43	286.09
1	58	32	12.30	-3.53	12.19	-3.42	-1.34	493.26	-227.01	360.85	-94.60	279.00
1	58	33	12.46	-8.93e-03	12.39	6.79e-02	0.98	614.77	-108.73	540.91	-34.87	219.05
1	58	34	10.18	-1.26	9.79	-0.88	2.06	543.08	-192.86	485.23	-135.01	198.07
1	58	35	13.99	2.43	13.88	2.53	1.08	511.17	-267.59	460.29	-216.70	192.45
1	58	36	15.06	2.58	11.50	6.14	-5.63	513.79	-653.69	389.41	-529.31	360.20
1	58	37	16.23	-20.22	-20.14	16.15	-1.72	-408.14	-703.97	-410.61	-701.50	-26.95
1	58	38	6.70	-3.37	-0.96	4.29	4.30	470.75	46.68	48.86	468.57	30.31
1	58	39	5.83	-6.96	2.36	-3.49	5.69	1211.11	82.45	177.68	1115.88	313.70
1	58	40	29.10	-31.32	25.84	-28.06	-13.65	2012.60	224.18	447.54	1789.24	591.25
1	58	41	10.83	-25.46	-13.10	-1.54	-17.20	1521.46	-552.52	484.37	484.57	1036.99
1	58	42	7.23	-10.90	-9.17	5.50	5.32	1570.98	-47.12	1136.77	387.10	716.98
1	58	43	0.56	-8.65	-8.42	0.34	1.41	1305.84	137.11	1189.42	253.52	350.01
1	58	44	0.38	-9.84	-9.81	0.35	0.53	1069.17	173.63	1067.62	175.18	-37.22
1	58	45	-1.53	-12.88	-12.88	-1.53	-4.48e-02	849.93	-59.22	666.30	124.41	-365.00
1	58	46	-1.31	-21.09	-14.54	-7.87	9.31	661.18	-599.47	-24.71	86.42	-627.87
1	58	47	0.67	-19.99	-0.62	-18.71	-4.99	314.01	-799.62	-317.58	-168.02	551.77
1	58	48	2.41	-16.18	-16.16	2.39	0.64	849.11	-101.62	616.41	131.09	408.76
1	58	49	-0.28	-14.50	-14.48	-0.31	0.60	1101.49	146.88	1090.77	157.61	100.62
1	58	50	-0.45	-12.94	-12.93	-0.46	-0.36	1206.91	107.71	1146.12	168.51	-251.26
1	58	51	2.58	-14.95	-14.75	2.38	-1.86	1112.87	-206.10	735.39	171.38	-596.15
1	58	52	-3.34	-14.77	-10.73	-7.38	5.46	916.68	-919.84	-120.67	117.51	-910.51
1	58	53	-1.83	-17.38	-3.14	-16.08	-4.32	550.64	-1238.72	-644.16	-43.92	842.84
1	58	54	2.32	-17.74	-17.47	2.06	2.28	1011.11	-257.93	588.74	164.44	598.00
1	58	55	-0.54	-18.11	-17.95	-0.70	1.66	1149.70	107.10	1082.15	174.65	256.65
1	58	56	-0.34	-19.20	-19.19	-0.35	0.36	1134.54	169.27	1127.12	176.69	-84.30
1	58	57	3.26	-22.58	-22.56	3.24	-0.71	925.60	-77.77	693.84	153.99	-422.88
1	58	58	-7.99	-20.51	-14.69	-13.81	6.24	675.26	-625.71	41.55	8.01	-650.27
1	58	59	-3.75	-24.43	-14.68	-13.50	-10.32	501.54	-920.91	-429.88	10.51	676.28
1	58	60	-1.78	-22.40	-22.39	-1.79	-0.39	917.81	-54.11	712.40	151.30	396.80
1	58	61	-1.42	-20.17	-20.14	-1.46	-0.76	1245.34	214.96	1245.33	214.97	4.08
1	58	62	-0.99	-16.80	-16.55	-1.23	-1.97	1655.42	154.73	1499.34	310.81	-458.12
1	58	63	8.17	-19.26	-16.53	5.43	-8.22	2230.07	-138.38	1535.90	555.79	-1078.07
1	58	64	22.44	-39.72	-25.62	8.34	26.03	2557.69	-817.89	813.65	926.15	-1686.85
1	58	65	46.61	-56.16	41.75	-51.30	21.82	3334.88	540.16	865.33	3009.71	-896.12
1	58	66	8.41	-13.59	3.25	-8.42	-9.33	1658.03	180.08	312.66	1525.46	-422.34
1	58	67	9.46	-6.36	-1.90	5.00	-7.12	396.74	120.11	122.55	394.30	-25.85
1	58	68	33.05	-38.50	-38.32	32.87	3.55	-543.63	-1816.22	-546.35	-1813.49	58.85
1	58	69	26.28	-4.57	9.89	11.82	15.40	1286.47	-1016.80	966.38	-696.72	-796.74
1	58	70	22.23	-1.16	21.49	-0.43	-4.09	807.56	-558.27	554.33	-305.04	-530.79
1	58	71	17.11	1.40	16.86	1.65	-1.96	643.36	-306.35	463.06	-126.06	-372.45
1	58	72	17.49	0.60	17.48	0.60	-0.30	536.67	-249.11	367.34	-79.78	-323.09
1	58	73	19.27	-4.08	18.63	-3.44	3.80	317.28	-350.51	118.82	-152.05	-305.19
1	58	74	27.81	-12.50	27.78	-12.47	1.18	-402.77	-856.94	-744.99	-514.71	-195.73
1	58	75	24.27	0.54	23.81	1.01	3.29	155.97	-445.33	98.58	-387.94	176.68

1	58	76	13.20	-2.73	13.10	-2.63	-1.25	495.21	-154.94	449.35	-109.08	166.48
1	58	77	17.83	0.17	17.82	0.17	-0.35	758.21	-12.22	742.73	3.26	108.10
1	58	78	15.26	-0.34	15.09	-0.18	1.58	685.25	-10.95	685.11	-10.82	-9.69
1	58	79	13.90	-7.40	11.44	-4.94	6.80	361.53	-143.80	356.01	-138.28	-52.54
1	58	80	28.45	-10.92	27.46	-9.93	-6.16	-291.46	-573.93	-292.15	-573.24	13.94
1	58	81	15.69	0.67	11.02	5.34	6.96	495.21	-285.83	485.91	-276.53	84.72
1	58	82	11.17	-5.43	10.03	-4.29	-4.20	609.21	-97.81	608.57	-97.17	21.33
1	58	83	14.28	0.10	14.22	0.17	-0.95	807.49	7.07	803.73	10.83	-54.71
1	58	84	13.12	0.26	13.10	0.28	0.54	733.02	-36.88	691.97	4.17	-172.97
1	58	85	9.87	-3.34	9.16	-2.63	2.97	420.93	-217.40	291.26	-87.73	-256.82
1	58	86	31.23	-13.50	31.21	-13.48	-0.81	-493.33	-778.02	-651.94	-619.42	-141.41
1	58	87	30.49	-14.20	27.93	-11.65	10.38	2829.59	605.46	1116.32	2318.72	-935.55
1	58	88	78.18	21.30	47.55	51.93	28.36	1313.45	-202.04	996.17	115.25	-616.59
1	58	89	14.02	-12.67	11.02	-9.67	-8.43	858.47	-797.47	404.33	-343.33	-738.77
1	58	90	25.05	2.01	25.02	2.04	-0.83	556.14	-383.06	333.31	-160.23	-399.54
1	58	91	25.21	1.41	25.21	1.41	-0.24	417.36	-200.79	323.07	-106.50	-222.25
1	58	92	20.80	2.00	20.55	2.25	2.14	147.49	-135.29	90.13	-77.93	-113.71
1	58	93	18.79	-3.62	18.78	-3.62	-0.36	-339.58	-518.96	-509.98	-348.56	39.12
1	58	94	34.75	2.96	32.23	5.48	-8.59	-519.81	-1281.98	-1057.03	-744.75	-347.63
1	58	95	29.18	-2.60	28.13	-1.55	5.68	559.78	-4.04	557.64	-1.90	34.65
1	58	96	22.71	1.91	22.70	1.92	-0.43	732.84	-61.44	729.05	-57.65	54.73
1	58	97	23.02	2.22	23.01	2.23	0.41	732.00	-72.89	728.50	-69.39	52.94
1	58	98	13.88	0.16	13.60	0.44	1.94	403.03	-68.40	387.91	-53.29	83.05
1	58	99	9.00	-7.86	6.57	-5.43	5.92	-105.80	-873.56	-383.33	-596.04	368.85
1	58	100	29.71	15.74	28.06	17.39	4.51	297.09	-398.43	258.73	-360.07	-158.77
1	58	101	14.40	-0.13	14.32	-4.72e-02	1.09	768.15	-43.42	745.50	-20.77	-133.67
1	58	102	18.68	1.92	18.66	1.94	-0.65	822.69	-79.74	805.62	-62.68	-122.92
1	58	103	19.36	2.26	19.36	2.26	-7.40e-02	726.22	-81.69	706.72	-62.19	-124.00
1	58	104	17.55	-1.11	17.11	-0.67	-2.83	242.97	-103.12	138.05	1.81	-159.07
1	58	105	12.19	-32.22	2.52	-22.54	18.33	-604.11	-1911.89	-1551.13	-964.86	584.50
1	58	106	34.85	10.84	28.22	17.47	10.73	278.08	-148.64	179.03	-49.59	180.16
1	58	107	16.39	4.60	16.36	4.63	0.61	497.96	-11.43	487.96	-1.44	70.65
1	58	108	14.84	2.30	14.83	2.31	0.29	488.98	-44.48	469.17	-24.67	100.87
1	58	109	7.84	-8.09	6.67	-6.92	4.17	539.71	-359.18	435.45	-254.93	287.82
1	58	110	34.24	6.51	18.75	22.00	-13.77	758.10	-28.57	515.40	214.13	363.35
1	58	111	11.12	-7.27	11.03	-7.17	1.31	1320.98	29.55	307.25	1043.29	530.58
1	58	112	19.47	-37.20	-13.69	-4.04	27.93	-61.80	-1541.71	-62.72	-1540.79	36.95
1	58	113	-10.15	-25.41	-23.53	-12.03	5.02	-97.91	-587.09	-198.81	-486.19	197.93
1	58	114	2.03	-18.37	-3.73	-12.60	9.18	445.69	-195.24	-162.08	412.52	141.98
1	58	115	5.84	-6.58	-1.62	0.88	6.08	1268.92	-74.18	-48.37	1243.12	184.38
1	58	116	61.56	23.57	52.71	32.42	16.06	1832.52	124.55	332.84	1624.23	558.90
1	58	117	-4.26	-25.21	-12.03	-17.45	10.12	896.77	150.66	598.87	448.56	-365.41
1	58	118	17.02	-26.51	-23.90	14.41	-10.34	-338.85	-1475.32	-782.74	-1031.44	554.46
1	58	119	0.83	-15.34	-12.34	-2.18	-6.29	1216.20	-289.53	786.21	140.46	680.12
1	58	120	-1.50	-10.90	-10.58	-1.82	1.70	1499.29	-49.93	1346.09	103.28	462.47
1	58	121	-2.16	-14.85	-14.85	-2.16	0.19	1287.52	-21.48	1279.79	-13.75	100.29
1	58	122	3.88	-12.22	-11.61	3.27	-3.07	1041.25	55.78	1011.98	85.05	-167.29
1	58	123	-2.58	-7.42	-7.24	-2.75	-0.91	501.75	-316.32	208.58	-23.15	-392.28
1	58	124	-19.12	-68.78	-34.54	-53.35	-22.98	-532.16	-1564.67	-1496.69	-600.14	-256.05
1	58	125	13.43	-6.86	-5.13	11.70	5.67	749.45	-133.34	539.37	76.73	375.92
1	58	126	-0.68	-15.97	-15.83	-0.83	1.49	1208.97	4.37	1204.70	8.64	71.59
1	58	127	-0.74	-18.06	-18.05	-0.76	-0.50	1326.22	10.70	1307.79	29.12	-154.60
1	58	128	12.84	-7.71	-5.20	10.33	-6.73	1162.87	-64.93	973.17	124.77	-443.76
1	58	129	-7.67	-38.35	-12.46	-33.56	11.13	-55.08	-776.65	-491.12	-340.60	-352.85
1	58	130	-16.48	-56.24	-25.30	-47.42	-16.52	-393.49	-966.20	-868.67	-491.03	215.28
1	58	131	12.64	-11.01	-9.25	10.88	6.21	1000.57	-123.45	759.47	117.65	461.38
1	58	132	-0.88	-23.00	-22.87	-1.01	1.67	1303.60	7.43	1279.77	31.25	174.10
1	58	133	-1.76	-23.71	-23.68	-1.78	-0.74	1237.92	17.61	1235.28	20.25	-56.70
1	58	134	16.27	-11.45	-9.36	14.18	-7.31	919.25	-80.84	745.34	93.07	-379.05
1	58	135	-19.99	-63.71	-34.54	-49.16	20.60	-449.83	-1310.73	-1301.86	-458.70	86.93
1	58	136	-16.15	-31.44	-27.22	-20.36	-6.83	124.42	-490.72	-211.35	-154.95	306.27
1	58	137	4.99	-23.12	-22.84	4.72	2.76	948.53	53.28	890.15	111.65	221.02
1	58	138	-1.20	-28.22	-28.22	-1.21	0.22	1403.24	78.95	1399.07	83.12	-74.15
1	58	139	-2.66	-28.65	-28.65	-2.66	-0.35	1806.93	42.98	1717.43	132.49	-387.14
1	58	140	3.72	-17.86	-15.81	1.67	-6.33	2128.34	-166.21	1767.36	194.76	-835.45
1	58	141	-1.46	-28.94	-18.97	-11.44	13.21	1762.66	-492.68	904.53	365.45	-1094.98
1	58	142	22.94	-46.58	-44.43	20.79	12.04	-645.59	-2389.59	-1150.81	-1884.37	-791.11
1	58	143	8.77	-40.24	-7.36	-24.12	-23.03	1493.07	339.18	593.96	1238.29	478.62
1	58	144	95.95	36.12	83.56	48.51	-24.24	2936.17	298.26	665.28	2569.15	-912.94
1	58	145	14.30	-11.37	-0.79	3.72	-12.64	1834.18	-12.61	35.31	1786.26	-293.62
1	58	146	4.42	-26.74	-3.06	-19.25	-13.31	336.81	-166.72	-136.46	306.55	-119.66
1	58	147	-29.11	-72.49	-64.73	-36.87	-16.63	-306.60	-1383.81	-401.48	-1288.92	-305.29
1	58	148	35.37	-74.17	-15.53	-23.28	-54.63	-676.47	-2623.14	-717.52	-2582.09	279.69
1	58	149	5.82	-2.67	3.29	-0.14	3.88	485.91	78.27	473.23	90.94	70.76
1	58	150	5.06	-3.18	4.99	-3.11	0.78	437.66	-50.53	87.95	299.17	-220.06
1	58	151	7.11	-2.05	5.33	-0.26	3.63	403.72	-408.87	-332.59	327.44	237.00

1	58	152	5.30	-1.55	5.30	-1.55	-7.13e-02	475.92	-450.66	-413.72	438.99	-181.27
1	58	153	9.47	3.27	8.95	3.79	1.72	606.47	-599.63	-597.51	604.35	50.51
1	58	154	8.63	-6.89	-4.49	6.24	5.61	750.46	-531.87	-305.10	523.69	-489.25
1	58	155	-0.38	-20.44	-0.52	-20.29	1.70	1331.04	-878.11	-875.47	1328.40	-76.35
1	58	156	1.65	-10.74	-9.59	0.50	-3.59	707.98	-636.80	-417.68	488.86	496.65
1	58	157	1.08	-14.92	-14.66	0.82	2.01	706.89	82.77	428.21	361.44	-310.27
1	58	158	-0.72	-14.43	-14.14	-1.01	-1.98	631.94	17.35	307.52	341.77	306.82
1	58	159	1.07e-02	-12.48	-12.25	-0.22	1.70	756.33	310.18	752.47	314.04	-41.30
1	58	160	-0.59	-11.69	-10.70	-1.58	-3.16	761.66	321.20	761.07	321.78	-16.04
1	58	161	2.47e-02	-12.40	-12.08	-0.30	1.97	825.93	222.48	721.12	327.29	228.61
1	58	162	1.70	-10.88	-8.16	-1.02	-5.18	1122.97	249.74	932.18	440.53	-360.84
1	58	163	-4.39e-02	-15.27	-14.93	-0.38	2.25	828.17	-162.89	267.19	398.09	491.19
1	58	164	6.79	-10.14	-7.96	4.61	-5.67	1554.46	71.12	829.16	796.43	-741.49
1	58	165	5.84	-7.10	-6.35	5.09	-3.03	866.85	-746.28	-483.40	603.97	595.78
1	58	166	36.77	10.43	23.58	23.62	13.17	2294.06	208.84	913.21	1589.69	-986.22
1	58	167	5.58	-26.86	5.42	-26.70	2.27	1517.90	-868.03	-864.19	1514.07	-95.61
1	58	168	13.78	-3.07	0.29	10.41	6.73	925.75	-588.98	-277.02	613.80	-612.54
1	58	169	1.81	-11.52	-11.50	1.79	-0.45	884.51	-72.92	429.48	382.11	-478.13
1	58	170	13.00	-3.44	8.17	1.39	-7.49	1299.29	500.31	626.88	1172.73	-291.72
1	58	171	0.19	-8.79	-8.78	0.18	-0.24	855.58	208.16	773.72	290.03	-215.17
1	58	172	3.47	-11.37	-6.10	-1.80	-7.10	346.49	-45.47	344.25	-43.23	29.54
1	58	173	-0.42	-8.86	-8.86	-0.42	-0.10	744.74	270.10	739.20	275.64	50.98
1	58	174	-15.33	-25.70	-22.07	-18.96	4.95	237.83	-992.65	236.08	-990.90	-46.38
1	58	175	-0.77	-10.86	-10.82	-0.81	-0.61	619.81	1.74	320.89	300.66	308.87
1	58	176	4.24e-02	-7.12	-6.38	-0.70	-2.19	623.72	-691.16	-472.51	405.07	489.58
1	58	177	3.59	-17.50	3.21	-17.13	2.79	1128.15	-961.90	-960.50	1126.76	-53.95
1	58	178	10.17	-1.08	8.41	0.68	-4.09	836.10	-410.60	755.54	-330.04	-306.50
1	58	179	7.78	-3.35	0.53	3.90	5.30	661.75	-567.82	-327.59	421.53	-487.51
1	58	180	10.16	1.70e-03	8.77	1.39	-3.49	669.62	-228.08	559.38	-117.84	-294.63
1	58	181	2.14	-7.91	-7.25	1.48	2.50	615.43	26.41	349.20	292.65	-293.15
1	58	182	10.39	0.47	10.25	0.61	-1.17	542.99	-188.04	399.59	-44.64	-290.29
1	58	183	0.89	-6.24	-5.12	-0.23	2.59	680.57	255.64	678.81	257.39	-27.22
1	58	184	13.68	-2.30	13.67	-2.29	0.41	358.48	-339.00	86.55	-67.08	-340.17
1	58	185	9.26	-12.62	8.18	-11.54	-4.73	65.39	-1033.34	-728.18	-239.77	-492.10
1	58	186	16.90	12.66	15.75	13.81	-1.89	-51.05	-1414.56	-1404.53	-61.08	116.49
1	58	187	19.23	2.73	12.25	9.71	-8.15	1502.27	18.10	541.64	978.73	709.17
1	58	188	17.83	-3.73	17.75	-3.64	1.36	153.83	-830.26	-472.17	-204.27	473.46
1	58	189	16.24	-0.76	16.11	-0.63	-1.47	514.74	-97.03	414.31	3.40	226.61
1	58	190	11.69	-0.49	11.63	-0.43	0.84	644.10	54.29	622.86	75.53	109.89
1	58	191	8.77	-1.87	6.20	0.71	4.56	955.73	315.86	418.48	853.11	234.81
1	58	192	11.12	-1.61	10.41	-0.90	2.93	594.82	68.84	594.35	69.31	-15.64
1	58	193	3.08	-5.44	-2.05	-0.31	4.17	238.40	131.78	227.36	142.82	-32.48
1	58	194	14.43	-4.75	13.47	-3.78	4.19	341.45	-93.53	294.42	-46.50	-135.08
1	58	195	-10.26	-18.05	-15.69	-12.62	-3.58	49.65	-564.74	38.27	-553.36	-82.83
1	58	196	2.79	-18.74	1.89	-17.84	-4.29	-86.92	-812.37	-566.69	-332.60	-343.32
1	58	197	21.05	7.44	8.24	20.26	-3.20	-217.23	-1232.58	-1208.92	-240.89	153.17
1	58	198	12.40	-6.98	12.18	-6.76	2.04	146.87	-577.73	-196.16	-234.70	361.79
1	58	199	14.68	-0.50	14.39	-0.21	-2.06	572.59	-5.91	564.55	2.13	67.72
1	58	200	9.55	-0.45	9.52	-0.42	-0.60	674.43	64.41	668.86	69.98	-58.00
1	58	201	8.69	-2.95e-02	8.32	0.33	1.74	519.36	-65.30	457.15	-3.08	180.29
1	58	202	8.73	-0.59	8.62	-0.48	1.01	645.37	12.35	587.02	70.70	-183.12
1	58	203	11.84	0.98	11.83	0.99	0.26	457.62	-159.37	302.83	-4.59	267.47
1	58	204	10.53	-3.36	10.00	-2.83	2.67	414.50	-236.77	186.49	-8.76	-310.66
1	58	205	15.88	-1.56	15.77	-1.44	1.39	238.15	-802.77	-432.75	-131.88	498.25
1	58	206	4.68	-13.50	4.25	-13.08	-2.74	73.90	-1009.25	-737.11	-198.24	-469.80
1	58	207	15.13	7.12	13.22	9.03	-3.41	74.31	-1388.46	-1366.13	51.98	179.36
1	58	208	2.33	-5.81	-3.56	8.39e-02	3.64	877.21	219.99	770.28	326.92	242.57
1	58	209	4.61	-4.75	-3.74	3.60	2.91	1115.41	53.74	641.00	528.15	527.83
1	58	210	6.43	-1.50	4.80	0.13	3.20	431.36	88.18	390.46	129.08	111.19
1	58	211	5.44	-2.64	4.85	-2.05	2.10	512.59	-178.19	502.01	-167.61	84.83
1	58	212	7.86	-0.68	6.99	0.19	2.58	528.31	-75.60	504.27	-51.56	118.07
1	58	213	1.97	-4.59	-3.14	0.52	2.72	519.94	226.89	248.93	497.91	-77.28
1	58	214	2.79	-3.35	-2.25	1.69	2.36	752.30	-191.75	-179.34	739.89	-107.54
1	58	215	0.48	-1.99	0.46	-1.97	-0.23	843.02	-453.31	-453.27	842.98	-7.14
1	58	216	2.92	-2.44	-1.22	1.70	-2.25	766.80	-291.33	-282.93	758.40	93.89
1	58	217	1.41	-4.83	-2.41	-1.01	-3.04	461.67	105.75	116.66	450.77	61.33
1	58	218	0.24	-5.46	-4.05	-1.17	2.46	512.17	359.22	511.94	359.46	5.94
1	58	219	2.32	-6.54	-2.74	-1.47	-4.39	481.67	268.82	463.13	287.37	-60.03
1	58	220	-0.23	-5.45	-4.03	-1.66	2.33	558.02	284.31	468.56	373.77	128.38
1	58	221	5.26	-7.48	-2.11	-0.10	-6.29	712.05	229.41	616.41	325.05	-192.39
1	58	222	-4.79e-02	-3.28	-2.73	-0.60	1.22	644.13	76.69	165.63	555.18	206.30
1	58	223	9.92	-4.25	2.43	3.24	-7.07	893.39	378.11	668.83	602.66	-255.50
1	58	224	2.61	-0.94	-0.74	2.42	-0.81	893.12	-235.30	-211.97	869.80	160.56
1	58	225	1.19	-3.66	1.17	-3.63	0.34	915.74	-381.57	-381.20	915.37	-21.89
1	58	226	4.49	-1.12	1.19e-03	3.37	2.24	808.07	-136.27	-109.27	781.06	-157.39
1	58	227	1.96	-1.43	-1.16	1.69	0.92	602.98	175.79	301.18	477.59	-194.53

1	58	228	-0.50	-2.38	-2.35	-0.53	0.24	607.28	255.86	546.50	316.63	-132.91
1	58	229	5.57	-8.31	-2.19	-0.55	-6.89	590.28	-21.94	579.52	-11.18	-80.45
1	58	230	-1.52	-2.20	-2.20	-1.52	-2.43e-04	498.45	309.89	495.71	312.63	-22.53
1	58	231	-1.03	-1.83	-1.42	-1.44	-0.40	488.94	135.34	159.36	464.91	88.98
1	58	232	1.06	-0.59	0.12	0.35	-0.82	734.08	-292.16	-278.33	720.25	118.31
1	58	233	3.14	-2.24	3.05	-2.14	0.72	787.46	-486.76	-486.60	787.30	-14.28
1	58	234	3.96	-1.12	0.96	1.88	2.50	651.68	-256.80	-241.09	635.97	-118.43
1	58	235	7.14	-3.66	2.69	0.79	-5.32	630.72	10.28	583.17	57.83	-165.05
1	58	236	4.06	-2.59	0.52	0.95	3.32	407.67	135.00	156.13	386.55	-72.89
1	58	237	6.10	-2.13	4.50	-0.52	-3.26	476.01	12.56	377.93	110.64	-189.30
1	58	238	3.78	-3.78	9.62e-02	-9.63e-02	3.78	432.63	252.21	431.53	253.31	14.05
1	58	239	5.94	-2.87	5.28	-2.22	-2.31	382.40	-123.52	21.62	237.26	-228.83
1	58	240	4.48	-4.17	0.27	3.72e-02	4.33	551.47	219.68	501.69	269.47	118.49
1	58	241	6.39	-1.14	5.53	-0.29	-2.39	444.10	-483.77	-439.37	399.70	-198.04
1	58	242	9.43	5.28	9.09	5.62	1.14	616.83	-590.75	-589.43	615.51	39.94
1	58	243	6.76	-2.17	5.69	-1.10	2.90	435.41	-360.31	-291.56	366.66	223.55
1	58	244	6.43	-2.29	2.75	1.39	4.30	675.05	280.47	490.89	464.63	196.85
1	58	245	6.94	-1.33	6.60	-0.99	1.65	460.23	56.64	218.47	298.41	197.80
1	58	246	6.37	-1.64	5.84	-1.11	1.99	529.01	217.73	505.36	241.38	82.48
1	58	247	6.66	-2.77	5.67	-1.77	2.89	465.27	250.64	464.97	250.95	8.04
1	58	248	3.43	-4.95	-0.14	-1.38	4.14	408.81	92.61	408.68	92.74	6.40
1	58	249	5.07	-4.26	4.67	-3.86	1.89	361.02	102.19	150.94	312.27	-101.20
1	58	250	3.98	-2.94	3.95	-2.91	-0.51	409.25	-328.01	-302.31	383.55	-135.23
1	58	251	8.54	4.96	7.33	6.16	1.69	571.07	-448.75	-447.26	569.58	38.95
1	58	252	4.94	-3.33	3.47	-1.86	3.16	361.78	-214.00	-162.62	310.40	164.15
1	58	253	5.21	-0.78	5.17	-0.74	0.47	358.00	238.04	327.77	268.27	52.08
1	58	254	5.08	-0.66	5.07	-0.65	0.21	562.43	203.36	552.52	213.27	-58.83
1	58	255	5.07	-1.60	4.95	-1.48	0.89	527.04	146.27	463.67	209.64	-141.83
1	58	256	7.20	-0.65	6.12	0.42	2.70	364.08	-8.43	126.87	228.78	179.15
1	65	1	-2.83	-24.55	-4.23	-23.14	5.34	-934.34	-1315.45	-998.91	-1250.88	-142.97
1	65	3	35.53	4.60	4.61	35.52	0.51	-223.75	-1577.16	-1037.01	-763.90	-662.78
1	65	5	0.81	-11.65	-11.65	0.81	-9.80e-02	-1682.36	-3234.37	-3234.28	-1682.44	-11.40
1	65	7	27.68	4.91	27.61	4.98	-1.25	-2130.04	-3177.01	-3176.16	-2130.89	29.76
1	65	9	16.15	5.75	16.02	5.88	1.15	-2060.37	-2718.86	-2718.08	-2061.16	-22.72
1	65	11	-6.19	-8.67	-8.51	-6.35	-0.60	-1618.75	-3518.91	-3518.28	-1619.38	34.82
1	65	13	-3.84	-7.31	-5.16	-5.99	-1.69	-1846.18	-3255.09	-3254.98	-1846.28	-12.15
1	65	15	21.23	0.85	20.88	1.20	2.67	-2149.96	-3196.61	-3196.48	-2150.09	-11.50
1	65	17	1.99	-7.35	-1.97	-3.38	-4.62	-926.48	-1347.64	-945.37	-1328.75	-87.17
1	65	19	21.69	0.26	0.56	21.39	-2.52	-417.43	-1483.79	-973.55	-927.67	532.69
1	65	21	-26.45	-74.51	-32.74	-68.22	16.21	249.36	-820.85	-524.18	-47.31	479.04
1	65	22	23.56	-34.46	-14.00	3.10	27.72	-326.31	-2704.20	-2691.20	-339.31	175.32
1	65	23	33.60	-14.83	-14.03	32.81	6.14	-405.99	-3308.05	-3300.34	-413.70	-149.40
1	65	24	24.12	-22.81	-17.50	18.81	-14.87	-134.99	-2454.43	-2361.34	-228.08	-455.26
1	65	25	-37.85	-93.59	-41.07	-90.37	-13.00	554.16	-1365.86	-1150.74	339.04	-605.61
1	65	26	120.17	55.35	55.36	120.16	0.80	287.19	-1477.24	169.66	-1359.71	-439.95
1	65	27	40.84	-19.27	36.98	-15.41	14.75	1076.13	-1971.55	-1880.09	984.68	519.97
1	65	28	21.80	-20.76	21.62	-20.58	-2.72	1407.44	-1679.74	-1677.33	1405.04	86.16
1	65	29	34.29	-26.03	25.07	-16.80	-21.71	786.65	-2163.49	-2130.21	753.37	-311.57
1	65	30	59.14	26.01	26.51	58.64	-4.03	19.47	-1062.33	-10.15	-1032.72	176.53
1	65	31	-1.91	-29.74	-25.31	-6.35	-10.19	839.19	-530.09	98.70	210.39	682.36
1	65	32	-1.18	-20.52	-20.49	-1.21	0.77	964.34	37.89	816.50	185.73	339.29
1	65	33	0.36	-16.85	-16.84	0.34	-0.51	1238.09	236.71	1232.91	241.89	-71.86
1	65	34	0.59	-15.90	-15.65	0.33	-2.03	1641.25	115.24	1371.24	385.25	-582.35
1	65	35	8.31	-19.77	-17.86	6.40	-7.08	2047.96	-165.88	1287.14	594.95	-1051.42
1	65	36	14.16	-39.28	-19.43	-5.69	25.82	2147.21	-970.52	340.66	836.04	-1539.06
1	65	37	46.51	-48.78	42.94	-45.21	18.09	3127.57	505.42	715.77	2917.22	-712.26
1	65	38	8.95	-11.59	3.35	-6.00	-9.15	1458.18	103.95	209.13	1352.99	-362.47
1	65	39	11.32	-6.33	-1.79	6.78	-7.71	255.21	-12.06	14.31	228.85	-79.70
1	65	40	33.83	-38.05	-37.45	33.24	6.53	-673.22	-1837.88	-681.01	-1830.08	-94.96
1	65	41	28.78	-0.44	17.68	10.67	14.19	938.92	-1299.55	531.12	-891.75	-864.03
1	65	42	23.01	1.29	22.64	1.66	-2.82	584.05	-702.04	308.98	-426.97	-527.36
1	65	43	17.39	-1.25	17.00	-0.85	-2.67	535.38	-497.44	304.09	-266.15	-430.56
1	65	44	19.46	1.51e-02	19.41	6.19e-02	-0.95	542.99	-268.39	375.84	-101.24	-328.15
1	65	45	19.98	-3.86	19.80	-3.68	2.06	382.85	-327.85	210.44	-155.44	-304.64
1	65	46	16.88	-2.61	16.83	-2.56	1.00	-59.75	-535.07	-244.54	-350.28	-231.70
1	65	47	35.40	-8.93	35.25	-8.78	2.57	-406.82	-650.91	-464.96	-592.77	103.98
1	65	48	14.97	-3.29	14.71	-3.03	-2.14	402.80	-185.71	323.50	-106.41	200.94
1	65	49	18.25	0.33	18.25	0.33	5.18e-02	723.36	-31.95	693.25	-1.85	147.76
1	65	50	17.78	-4.17e-03	17.58	0.19	1.86	772.37	0.86	771.55	1.68	25.12
1	65	51	14.21	-5.94	12.53	-4.27	5.56	553.58	-111.19	551.57	-109.18	-36.51
1	65	52	18.08	-0.33	15.81	1.94	-6.05	363.01	-350.65	356.77	-344.41	-66.45
1	65	53	24.51	-8.04	22.86	-6.38	7.15	-163.25	-505.44	-163.27	-505.43	2.39
1	65	54	11.07	-6.77	9.24	-4.94	-5.41	417.51	-129.12	415.11	-126.72	36.15
1	65	55	12.14	-0.20	12.10	-0.16	-0.67	717.45	-1.35	716.80	-0.70	-21.56
1	65	56	13.14	4.97e-02	13.06	0.12	0.98	763.90	-18.14	737.25	8.50	-141.87
1	65	57	8.41	-2.72	7.96	-2.28	2.17	489.22	-170.96	410.33	-92.07	-214.15

1	65	58	20.44	-3.88	20.35	-3.78	-1.48	9.91	-520.37	-93.34	-417.12	-209.98
1	65	59	17.36	-10.44	17.24	-10.31	-1.84	-237.63	-791.53	-628.39	-400.77	252.48
1	65	60	11.46	-4.00	10.91	-3.45	-2.86	427.62	-254.68	273.84	-100.90	285.09
1	65	61	10.40	9.69e-02	10.39	0.11	0.36	632.98	-103.98	552.74	-23.74	229.55
1	65	62	10.22	0.64	9.99	0.87	1.46	692.15	-90.63	646.29	-44.77	183.84
1	65	63	13.77	0.32	13.49	0.60	1.94	750.08	-168.29	710.57	-128.77	186.37
1	65	64	14.06	-0.55	3.45	10.06	-6.51	923.90	-430.01	867.76	-373.86	269.94
1	65	65	14.75	-21.31	-21.27	14.71	1.18	-205.12	-749.31	-277.08	-677.34	-184.34
1	65	66	4.86	-3.40	-0.96	2.41	3.77	633.59	153.13	154.29	632.43	-23.59
1	65	67	5.48	-8.98	2.32	-5.82	5.97	1410.38	157.99	281.08	1287.28	372.84
1	65	68	29.38	-37.82	24.70	-33.13	-17.11	2235.68	233.82	596.07	1873.43	770.68
1	65	69	18.02	-27.08	-19.17	10.11	-17.15	1927.93	-412.79	912.20	602.94	1160.10
1	65	70	6.80	-10.93	-8.52	4.40	6.07	1767.44	-8.30	1379.65	379.49	733.64
1	65	71	-0.22	-9.91	-9.69	-0.45	1.47	1379.33	166.48	1316.14	229.67	269.53
1	65	72	-0.91	-13.10	-13.05	-0.96	0.83	1070.48	148.60	1060.01	159.07	-97.67
1	65	73	-1.64	-14.80	-14.67	-1.78	1.34	804.26	-146.64	557.38	100.24	-416.90
1	65	74	1.35	-21.15	-4.15	-15.66	9.67	332.28	-983.11	-546.75	-104.08	-619.33
1	65	75	-5.56	-14.71	-11.23	-9.05	-4.44	761.01	-488.52	233.92	38.57	617.09
1	65	76	3.02	-17.55	-17.42	2.89	1.63	914.10	-44.37	732.93	136.79	375.26
1	65	77	-0.29	-14.43	-14.42	-0.29	0.27	1135.15	168.49	1132.51	171.13	50.40
1	65	78	-0.68	-15.00	-14.96	-0.72	-0.75	1136.04	79.51	1050.59	164.97	-288.07
1	65	79	2.10	-15.32	-15.27	2.06	-0.88	984.01	-301.48	529.63	152.89	-614.53
1	65	80	2.73	-20.89	1.46	-19.63	5.31	448.30	-1332.69	-773.05	-111.35	-826.75
1	65	81	-2.40	-17.10	-15.53	-3.98	-4.55	1029.64	-836.49	8.19	184.96	928.87
1	65	82	2.89	-17.77	-17.25	2.37	3.24	1143.67	-168.40	792.28	182.99	581.01
1	65	83	-0.39	-16.40	-16.30	-0.49	1.30	1225.56	131.12	1178.52	178.16	221.98
1	65	84	-0.35	-19.62	-19.62	-0.35	-5.86e-03	1106.38	146.99	1089.59	163.78	-125.80
1	65	85	2.79	-21.72	-21.72	2.79	0.19	879.86	-145.98	584.13	149.75	-464.67
1	65	86	-2.48	-25.58	-4.65	-23.41	6.74	259.63	-958.84	-504.53	-194.68	-589.21
1	65	87	15.37	-29.78	-28.98	14.57	-5.92	-323.80	-1207.17	-600.25	-930.72	409.62
1	65	88	6.33	-4.02	-2.67	4.98	-3.49	1494.09	-145.16	1002.18	346.76	751.26
1	65	89	0.74	-10.72	-9.40	-0.58	3.66	1703.73	-72.35	1542.17	89.20	510.72
1	65	90	-1.64	-17.81	-17.81	-1.64	0.20	1491.28	47.11	1461.17	77.22	206.36
1	65	91	-0.75	-17.84	-17.84	-0.75	-0.17	1202.21	49.97	1202.06	50.12	-13.32
1	65	92	4.77	-14.77	-14.64	4.64	-1.59	786.44	-3.56	704.32	78.56	-241.11
1	65	93	-14.13	-30.92	-22.45	-22.60	8.40	-47.57	-560.21	-390.05	-217.73	-241.40
1	65	94	-9.27	-47.75	-19.65	-37.37	-17.08	-417.79	-1160.71	-1155.86	-422.63	-59.80
1	65	95	16.23	-5.07	-1.46	12.61	8.00	962.92	-25.50	849.77	87.65	314.70
1	65	96	-1.35	-18.01	-17.97	-1.40	0.88	1232.17	18.89	1231.51	19.55	28.28
1	65	97	-0.59	-18.19	-18.10	-0.68	-1.28	1285.43	-3.38	1253.17	28.88	-201.33
1	65	98	12.39	-8.49	-7.20	11.09	-5.03	962.39	-163.15	691.01	108.23	-481.46
1	65	99	-18.54	-63.43	-29.28	-52.68	19.15	-485.43	-1067.73	-1010.87	-542.29	-172.85
1	65	100	-5.75	-31.86	-9.00	-28.61	-8.62	75.77	-719.11	-353.34	-290.00	396.17
1	65	101	13.05	-10.70	-7.73	10.08	7.85	1217.68	-31.83	1051.88	133.97	423.88
1	65	102	-1.08	-23.34	-23.30	-1.12	0.91	1348.50	19.05	1336.23	31.32	127.12
1	65	103	-1.19	-22.18	-22.09	-1.28	-1.36	1222.34	1.64	1214.34	9.64	-98.51
1	65	104	14.34	-14.37	-13.44	13.41	-5.08	743.05	-215.98	443.47	83.60	-444.48
1	65	105	-30.05	-84.94	-49.71	-65.28	26.32	-559.85	-1711.14	-1637.43	-633.56	281.83
1	65	106	-1.09	-13.70	-13.20	-1.59	2.45	690.59	-281.60	394.57	14.42	447.39
1	65	107	3.72	-21.31	-20.60	3.01	4.15	1231.80	91.83	1213.98	109.65	141.41
1	65	108	-3.60	-26.14	-26.14	-3.60	-0.23	1525.48	-48.95	1494.58	-18.06	-218.38
1	65	109	-0.32	-19.56	-18.95	-0.93	-3.37	1893.27	-99.73	1566.00	227.54	-738.34
1	65	110	-5.81	-38.17	-28.15	-15.83	14.96	1517.03	-652.31	740.12	124.59	-1040.09
1	65	111	23.33	-40.97	-36.66	19.01	16.09	-599.52	-2673.02	-1316.76	-1955.77	-986.29
1	65	112	11.36	-41.70	-12.22	-18.12	-26.36	1790.38	590.74	958.90	1422.22	553.28
1	65	113	100.19	39.63	87.17	52.65	-24.88	2760.47	312.95	593.21	2480.21	-779.36
1	65	114	13.87	-10.08	-1.64	5.43	-11.44	1578.34	-51.20	-19.65	1546.79	-224.53
1	65	115	5.63	-26.31	-3.68	-17.00	-14.51	193.23	-276.86	-190.69	107.07	-181.88
1	65	116	-26.14	-63.99	-57.99	-32.13	-13.82	-292.73	-1507.24	-458.87	-1341.10	-417.34
1	65	117	36.11	-52.76	-13.39	-3.27	-44.15	-410.35	-2522.92	-421.13	-2512.15	150.50
1	65	118	24.02	-12.40	23.47	-11.84	4.46	2517.21	287.97	840.04	1965.14	-962.24
1	65	119	57.40	12.70	34.42	35.69	22.34	1137.02	-345.89	560.69	230.44	-722.83
1	65	120	16.42	-9.26	15.01	-7.85	-5.86	556.40	-719.94	215.54	-379.08	-564.68
1	65	121	26.13	3.74	26.12	3.75	-0.32	375.65	-141.50	254.47	-20.32	-219.05
1	65	122	25.36	4.89	25.35	4.90	0.47	313.46	-53.24	285.98	-25.76	-96.55
1	65	123	38.05	12.43	34.18	16.30	-9.18	84.12	-178.56	-7.14	-87.30	-125.08
1	65	124	24.16	-17.08	17.69	-10.62	-14.99	-563.03	-1778.85	-1410.41	-931.47	-558.75
1	65	125	25.83	-2.79	25.42	-2.38	3.42	264.39	-35.45	233.97	-5.04	90.52
1	65	126	25.62	2.71	25.62	2.71	0.21	709.37	-75.21	697.20	-63.04	96.98
1	65	127	23.96	2.27	23.92	2.31	1.00	787.97	-75.65	777.31	-65.00	95.33
1	65	128	16.86	0.20	16.86	0.20	-1.68e-02	683.56	-46.71	666.83	-29.97	109.27
1	65	129	24.93	12.12	24.61	12.44	-2.00	188.84	-478.86	120.75	-410.76	202.06
1	65	130	11.48	-1.11	10.54	-0.17	-3.29	-33.30	-752.86	-241.25	-544.91	-326.17
1	65	131	11.60	0.17	11.54	0.23	-0.77	476.84	-63.96	456.49	-43.61	-102.92
1	65	132	18.25	1.91	18.25	1.91	-1.78e-02	762.84	-74.86	755.12	-67.15	-80.02
1	65	133	17.01	1.51	16.99	1.54	0.57	741.46	-65.67	732.81	-57.02	-83.10

1	65	134	21.38	-1.15	20.22	1.10e-02	-4.99	474.40	-16.91	453.55	3.93	-99.04
1	65	135	22.44	-11.41	17.33	-6.30	12.12	-561.98	-1421.92	-1202.86	-781.03	374.69
1	65	136	14.24	-1.61	14.00	-1.37	1.93	-274.42	-343.01	-331.52	-285.90	25.61
1	65	137	12.44	2.23	12.35	2.33	-0.96	301.19	-70.30	275.90	-45.01	93.57
1	65	138	14.84	0.95	14.83	0.95	0.30	549.37	-102.60	520.18	-73.41	134.83
1	65	139	14.22	0.98	14.18	1.02	0.68	652.79	-168.09	589.63	-104.93	218.76
1	65	140	6.93	-9.74	4.61	-7.42	5.76	795.37	-403.77	629.47	-237.86	414.02
1	65	141	52.13	14.63	31.24	35.52	-18.63	985.91	46.64	898.51	134.04	272.87
1	65	142	13.45	-6.39	12.48	-5.43	-4.27	1648.46	282.24	565.74	1364.96	554.03
1	65	143	19.28	-54.96	-14.62	-21.06	36.98	-352.23	-1653.77	-357.29	-1648.71	-81.00
1	65	144	-13.23	-33.17	-29.86	-16.54	7.42	-117.58	-454.56	-140.08	-432.06	84.11
1	65	145	1.12	-18.08	-3.00	-13.96	7.88	640.12	-116.52	-108.11	631.71	79.32
1	65	146	6.00	-8.43	-0.86	-1.57	7.21	1503.92	-35.55	7.24	1461.13	253.07
1	65	147	56.64	20.23	48.70	28.18	15.04	2010.45	105.27	403.48	1712.24	692.25
1	65	148	-6.78	-27.81	-8.26	-26.33	5.39	551.86	-12.77	234.03	305.06	-280.07
1	65	149	5.56	-6.15	-0.54	-4.82e-02	-5.85	634.57	192.72	500.59	326.70	-203.10
1	65	150	2.59e-02	-4.73	-3.11	-1.59	2.25	505.79	110.32	139.32	476.79	-103.08
1	65	151	3.24	-1.93	-0.45	1.76	-2.33	691.32	-215.60	-200.94	676.67	114.34
1	65	152	2.50	-3.09	-1.31	0.72	2.61	774.08	-293.33	-285.19	765.94	-92.87
1	65	153	1.45	-3.25	1.42	-3.22	0.38	819.55	-470.33	-469.18	818.40	38.54
1	65	154	12.19	-5.08	12.18	-5.07	-0.40	173.00	-849.15	-523.69	-152.45	-476.18
1	65	155	13.10	9.56	12.72	9.94	1.11	95.30	-1348.42	-1347.07	93.95	-44.13
1	65	156	7.59	-9.43	6.72	-8.56	3.75	165.74	-924.95	-621.05	-138.16	488.98
1	65	157	12.06	-1.59	11.48	-1.01	2.76	505.64	-131.46	355.30	18.89	-270.52
1	65	158	9.30	-1.84	9.30	-1.84	-4.14e-02	402.80	-226.86	174.84	1.11	302.61
1	65	159	8.73	-0.54	8.64	-0.45	0.91	649.51	48.70	613.72	84.49	-142.20
1	65	160	6.66	-8.81e-02	6.49	7.79e-02	1.05	554.99	-55.44	474.70	24.85	206.30
1	65	161	8.58	-1.08	8.50	-0.99	-0.91	609.39	79.21	608.94	79.66	-15.47
1	65	162	6.44	-0.24	5.46	0.73	2.35	647.43	-43.02	616.27	-11.87	143.32
1	65	163	12.94	-3.52	12.62	-3.21	-2.26	380.23	-55.94	351.95	-27.66	107.39
1	65	164	6.18	-0.21	5.00	0.97	2.48	736.95	-103.35	728.04	-94.44	86.07
1	65	165	5.15	-16.55	3.89	-15.28	5.08	-38.60	-756.27	-486.86	-308.01	347.52
1	65	166	-10.27	-13.79	-13.12	-10.94	-1.38	352.74	-486.79	325.60	-459.65	-148.49
1	65	167	21.11	7.55	8.33	20.33	3.16	-232.27	-1215.17	-1206.57	-240.87	-91.55
1	65	168	10.45	-9.30	10.39	-9.24	-1.09	90.96	-625.04	-274.74	-259.33	-357.92
1	65	169	16.40	-1.67	15.44	-0.71	4.04	526.45	-33.21	509.56	-16.32	-95.76
1	65	170	2.25	-6.51	-3.12	-1.14	4.27	410.04	193.18	389.54	213.69	-63.46
1	65	171	12.22	-0.89	11.67	-0.34	2.63	656.41	58.00	655.08	59.33	28.22
1	65	172	8.12	-2.23	5.19	0.71	4.66	1059.76	442.42	582.10	920.08	258.30
1	65	173	11.84	-0.48	11.80	-0.44	0.69	628.04	27.31	593.97	61.38	138.95
1	65	174	24.75	5.49	14.63	15.60	-9.62	1741.20	141.47	823.89	1058.78	791.20
1	65	175	14.93	-2.62	14.81	-2.50	-1.40	406.14	-189.83	241.96	-25.64	266.26
1	65	176	10.51	-12.39	9.91	-11.78	3.67	36.83	-985.03	-692.28	-255.92	462.01
1	65	177	17.75	11.78	16.42	13.12	2.49	-104.63	-1445.47	-1436.79	-113.31	-107.57
1	65	178	5.88	-6.14	-4.57	4.31	4.05	1250.47	166.90	856.54	560.83	521.22
1	65	179	17.73	-4.56	17.40	-4.23	-2.69	130.97	-922.00	-546.80	-244.23	-504.28
1	65	180	2.02	-7.24	-4.86	-0.36	4.05	946.95	262.83	875.25	334.53	209.56
1	65	181	16.33	0.36	16.33	0.37	-0.18	398.98	-274.46	206.61	-82.09	-304.21
1	65	182	0.23	-8.22	-6.94	-1.05	3.03	696.26	241.92	685.86	252.33	-67.96
1	65	183	12.55	0.38	12.21	0.72	-2.00	506.27	-207.48	382.03	-83.24	-270.63
1	65	184	-0.85	-10.38	-9.76	-1.48	2.36	592.21	-98.89	219.44	273.89	-344.47
1	65	185	-1.43	-9.17	-8.14	-2.46	2.63	609.01	-744.91	-524.34	388.45	-499.98
1	65	186	2.75	-16.71	2.44	-16.40	-2.43	1183.99	-943.52	-933.00	1173.46	149.27
1	65	187	-14.42	-29.98	-24.88	-19.53	7.30	-51.57	-1131.34	-62.23	-1120.67	-106.79
1	65	188	10.00	-1.32	1.08	7.59	-4.63	713.23	-499.19	-254.18	468.23	486.85
1	65	189	1.27	-10.06	-10.02	1.23	-0.67	691.00	140.77	487.06	344.71	265.75
1	65	190	-0.19	-9.28	-9.28	-0.19	4.07e-02	761.56	304.38	761.39	304.56	9.04
1	65	191	4.39	-10.09	-4.96	-0.74	-6.93	179.07	-120.76	179.07	-120.76	7.98e-02
1	65	192	-0.26	-10.14	-10.14	-0.26	4.80e-02	836.01	186.96	706.48	316.49	-259.41
1	65	193	13.60	-3.20	9.22	1.19	-7.38	1198.94	368.09	463.74	1103.30	-265.18
1	65	194	-0.94	-14.08	-14.08	-0.95	-0.30	820.42	-231.12	209.84	379.46	-518.88
1	65	195	30.56	6.73	21.14	16.15	11.65	2086.56	85.38	636.43	1535.51	-893.92
1	65	196	3.80	-9.61	-8.39	2.58	3.86	831.80	-814.23	-563.17	580.74	-591.80
1	65	197	5.49	-27.04	5.32	-26.87	-2.35	1527.42	-875.84	-865.53	1517.10	157.09
1	65	198	15.50	-0.45	2.07	12.98	-5.82	968.25	-523.72	-197.70	642.23	616.55
1	65	199	2.72	-12.96	-12.58	2.34	2.39	896.44	-9.12	485.12	402.19	450.88
1	65	200	0.49	-11.33	-10.89	4.57e-02	2.26	850.24	238.21	787.65	300.80	185.45
1	65	201	0.23	-9.87	-8.98	-0.66	-2.86	763.72	327.78	754.41	337.09	-63.03
1	65	202	-0.18	-12.33	-12.05	-0.45	1.80	751.27	265.40	731.81	284.85	-95.25
1	65	203	2.57	-12.18	-11.77	2.16	-2.43	667.25	148.52	445.35	370.42	256.65
1	65	204	-0.90	-15.87	-15.63	-1.14	1.88	645.76	-62.75	265.48	317.53	-353.29
1	65	205	10.43	-4.85	-1.10	6.67	-6.58	769.56	-449.32	-213.66	533.90	481.36
1	65	206	-1.11	-12.92	-12.03	-2.00	3.11	670.94	-725.49	-517.31	462.75	-497.37
1	65	207	0.65	-21.84	2.03e-02	-21.21	-3.71	1299.31	-897.01	-889.78	1292.07	125.83
1	65	208	11.69	-0.64	10.44	0.61	-3.72	548.34	-274.84	443.62	-170.12	-274.30
1	65	209	9.11	-3.93	8.19	-3.02	-3.34	623.15	-512.93	530.14	-419.91	-311.48

1	65	210	3.72	-5.24	-1.21	-0.31	-4.46	486.01	255.65	451.03	290.63	-82.68
1	65	211	5.94	-8.32	-6.95	4.57	-4.21	1452.10	-58.64	612.64	780.82	-750.67
1	65	212	2.19	-9.49	-7.02	-0.28	-4.77	1081.44	193.90	829.57	445.77	-400.13
1	65	213	5.12	-1.17	5.06	-1.11	0.57	467.89	41.07	198.80	310.16	-206.02
1	65	214	4.62	-0.96	4.50	-0.83	-0.83	455.00	-361.09	-305.32	399.23	-205.93
1	65	215	7.78	4.67	7.76	4.68	0.22	642.55	-573.87	-573.79	642.47	-9.94
1	65	216	5.58	-1.67	4.22	-0.30	2.84	481.56	-445.67	-402.10	438.00	196.20
1	65	217	4.93	-2.76	4.10	-1.93	2.39	379.97	-54.07	54.74	271.16	188.11
1	65	218	4.74	-1.20	4.67	-1.13	0.62	543.56	194.78	493.56	244.77	-122.22
1	65	219	4.66	-2.19	3.24	-0.77	2.78	448.68	94.07	399.12	143.63	122.96
1	65	220	4.86	-1.83	4.86	-1.83	-9.41e-02	479.92	248.89	475.29	253.53	-32.41
1	65	221	5.03	-2.65	1.83	0.55	3.79	596.48	96.19	583.19	109.48	80.45
1	65	222	4.52	-3.53	4.49	-3.51	0.40	357.36	137.79	174.62	320.53	82.04
1	65	223	3.95	-5.13	-1.19	1.68e-02	4.50	585.48	125.24	585.15	125.57	12.29
1	65	224	4.66	-3.98	3.77	-3.09	2.63	410.79	-313.37	-281.20	378.62	149.22
1	65	225	7.72	5.70	7.29	6.13	0.83	578.21	-437.92	-437.81	578.10	-10.49
1	65	226	3.86	-1.82	3.72	-1.68	-0.88	361.70	-219.88	-180.85	322.67	-145.52
1	65	227	5.82	-1.39	5.38	-0.95	1.74	364.08	204.44	303.81	264.70	-77.38
1	65	228	6.71	-1.50	5.90	-0.69	2.44	548.52	201.87	545.93	204.45	29.83
1	65	229	6.79	-2.68	1.43	2.68	4.69	775.91	351.65	662.89	464.68	187.56
1	65	230	6.52	-1.68	6.24	-1.40	1.47	504.31	174.58	472.90	205.99	96.79
1	65	231	6.80	-3.07	6.68	-2.95	1.08	422.30	-26.93	108.08	287.29	205.97
1	65	232	7.11	-2.30	6.73	-1.92	1.86	443.55	-457.04	-406.80	393.30	206.70
1	65	233	10.64	4.80	10.57	4.87	-0.61	573.82	-615.45	-614.88	573.24	-26.23
1	65	234	8.11	-1.64	6.67	-0.20	-3.46	365.58	-451.30	-372.51	286.79	-241.16
1	65	235	4.25	-5.36	-1.25	0.13	4.76	647.38	242.25	616.47	273.16	107.54
1	65	236	8.41	-0.84	7.39	0.18	-2.90	365.03	-83.14	88.07	193.81	-217.76
1	65	237	2.54	-5.25	-1.48	-1.23	3.90	442.13	254.09	441.92	254.29	-6.21
1	65	238	8.01	-1.69	6.07	0.24	-3.88	457.92	-0.50	370.07	87.34	-180.42
1	65	239	1.82	-4.43	-1.28	-1.33	3.12	445.45	54.32	83.28	416.49	-102.41
1	65	240	7.91	-3.71	4.19	1.13e-02	-5.42	523.22	-12.54	473.81	36.87	-155.03
1	65	241	3.75	-1.93	5.55e-02	1.76	2.71	733.76	-327.46	-318.70	725.01	-95.98
1	65	242	2.56	-1.75	1.87	-1.06	1.59	820.86	-470.50	-469.38	819.74	38.06
1	65	243	1.25	-0.95	-0.89	1.19	-0.35	711.35	-185.23	-167.28	693.40	125.58
1	65	244	4.70	-7.98	-1.27	-2.01	-6.33	415.69	-64.04	404.62	-52.97	-72.03
1	65	245	0.84	-1.52	-1.42	0.75	-0.47	505.28	249.53	268.83	485.97	67.56
1	65	246	-1.08	-2.78	-2.77	-1.09	0.13	534.71	344.47	523.37	355.81	-45.04
1	65	247	-1.57	-3.30	-3.16	-1.71	0.48	571.17	253.04	457.25	366.96	-152.53
1	65	248	9.51	-3.73	3.82	1.96	-6.56	813.62	281.57	495.90	599.29	-260.95
1	65	249	-0.30	-3.06	-2.50	-0.86	1.11	647.46	41.55	141.69	547.32	-225.05
1	65	250	4.46	-2.34	-0.50	2.63	3.02	894.79	-252.03	-233.03	875.78	-146.40
1	65	251	1.99	-4.69	1.18	-3.87	2.19	920.38	-390.46	-388.56	918.48	49.81
1	65	252	3.32	-0.35	-0.35	3.32	-8.27e-03	815.43	-124.88	-90.50	781.04	176.50
1	65	253	2.44	-1.88	-1.50	2.05	1.23	602.88	208.28	324.32	486.84	179.79
1	65	254	0.80	-4.66	-3.24	-0.62	2.40	592.09	282.11	551.97	322.23	104.06
1	65	255	5.64e-02	-5.05	-3.44	-1.55	2.37	489.39	313.23	486.39	316.23	-22.80
1	65	256	3.98	-3.40	-0.74	1.32	-3.54	430.49	190.17	195.06	425.60	33.94
1	69	1	8.96	-0.17	8.37e-02	8.71	1.50	-744.44	-1285.88	-981.25	-1049.07	268.59
1	69	3	8.80	-0.74	-0.44	8.50	-1.67	-747.51	-1286.90	-985.57	-1048.84	-267.83
1	69	5	8.00	-9.73e-02	7.75	0.16	1.42	-1948.01	-3203.15	-3202.60	-1948.56	-26.12
1	69	7	8.00	-0.12	7.75	0.14	-1.42	-1945.18	-3203.66	-3203.15	-1945.69	25.37
1	69	9	3.70	-0.28	3.70	-0.28	-4.97e-02	-1839.79	-3116.65	-3116.61	-1839.83	-7.06
1	69	11	3.70	-0.28	3.70	-0.28	5.06e-02	-1839.81	-3116.68	-3116.64	-1839.85	7.05
1	69	13	8.49	8.74e-02	8.27	0.30	-1.33	-1955.96	-3230.38	-3230.34	-1956.00	-6.89
1	69	15	8.47	9.18e-02	8.25	0.31	1.34	-1958.04	-3229.80	-3229.77	-1958.07	6.35
1	69	17	7.63	-0.99	-0.46	7.09	-2.08	-744.40	-1343.48	-999.56	-1088.32	-296.23
1	69	19	7.78	-0.62	-0.12	7.28	1.98	-743.10	-1343.24	-997.53	-1088.81	296.58
1	69	21	10.95	-5.39	2.65	2.92	8.17	-284.29	-592.44	-332.33	-544.39	111.79
1	69	22	23.18	-18.32	7.27	-2.42	20.18	360.21	-2341.23	-2292.19	311.17	360.65
1	69	23	6.14	3.78	3.84	6.08	-0.38	495.33	-2491.67	-2491.66	495.32	-3.94
1	69	24	22.59	-17.71	8.04	-3.15	-19.36	324.81	-2290.80	-2237.54	271.54	-369.43
1	69	25	13.94	-4.33	1.85	7.76	-8.65	-334.32	-587.48	-416.83	-504.97	-118.66
1	69	26	14.50	-3.80	2.79	7.91	8.79	-332.84	-588.99	-412.78	-509.05	118.68
1	69	27	22.61	-17.64	8.04	-3.07	19.34	319.82	-2291.03	-2237.77	266.56	369.08
1	69	28	6.14	3.78	3.84	6.08	0.38	495.33	-2491.59	-2491.59	495.33	3.95
1	69	29	23.19	-18.32	7.32	-2.44	-20.17	363.79	-2341.28	-2292.29	314.79	-360.74
1	69	30	10.24	-5.87	1.70	2.66	-8.04	-285.09	-589.75	-334.66	-540.18	-112.45
1	69	31	3.84	-10.72	1.22	-8.10	-5.60	176.66	-708.17	-369.61	-161.89	430.05
1	69	32	-0.34	-3.34	-0.77	-2.91	-1.06	611.82	-178.87	434.03	-1.08	330.10
1	69	33	-1.17e-02	-0.16	-1.60e-02	-0.16	2.51e-02	818.57	40.94	790.76	68.76	144.43
1	69	34	0.36	-0.13	0.25	-2.54e-02	0.20	905.88	68.53	901.25	73.17	-62.13
1	69	35	5.70	0.50	1.80	4.40	-2.25	995.25	31.59	914.40	112.44	-267.16
1	69	36	6.86	-7.62	-4.40	3.65	6.02	822.64	-150.63	640.53	31.48	-379.57
1	69	37	6.22	-11.21	2.38	-7.36	7.23	775.85	-125.26	88.62	561.97	-383.39
1	69	38	1.26	-1.08	0.73	-0.54	-0.99	900.26	124.38	161.73	862.91	-166.08
1	69	39	1.31	-1.08	0.77	-0.55	1.00	900.09	123.68	161.11	862.66	166.31

1	69	40	6.14	-11.11	2.33	-7.29	-7.16	774.51	-125.90	87.65	560.96	382.99
1	69	41	6.82	-7.67	-4.54	3.69	-5.96	822.49	-151.46	639.84	31.20	380.18
1	69	42	5.62	0.38	1.75	4.25	2.30	992.99	32.24	912.15	113.09	266.72
1	69	43	0.35	-8.90e-02	0.25	5.74e-03	-0.18	906.97	68.48	902.28	73.17	62.52
1	69	44	-2.29e-03	-9.13e-02	-3.85e-03	-8.98e-02	-1.17e-02	819.00	41.05	791.21	68.84	-144.38
1	69	45	-0.32	-3.26	-0.73	-2.85	1.02	610.93	-179.04	433.53	-1.64	-329.65
1	69	46	3.64	-10.58	1.16	-8.11	5.39	175.07	-709.57	-370.86	-163.65	-430.02
1	69	47	9.97	-11.21	9.78	-11.02	-1.99	162.41	-622.96	-179.12	-281.44	389.34
1	69	48	0.35	-4.05	-3.96	0.25	-0.65	686.68	-124.82	537.07	24.80	314.68
1	69	49	-6.43e-03	-0.71	-0.65	-6.63e-02	-0.20	943.13	69.92	928.28	84.77	112.88
1	69	50	-0.21	-0.44	-0.35	-0.30	0.11	957.60	68.32	940.64	85.28	-121.62
1	69	51	-1.70e-02	-3.65	-2.57	-1.10	1.66	735.09	-122.29	585.15	27.65	-325.68
1	69	52	5.88	-6.69	5.84	-6.65	-0.69	312.27	-625.43	-129.53	-183.62	-468.07
1	69	53	6.41	-7.32	6.33	-7.24	1.01	269.01	-623.43	-152.00	-202.42	445.51
1	69	54	-0.15	-3.94	-2.83	-1.26	-1.73	703.80	-116.97	563.08	23.74	309.35
1	69	55	-0.23	-0.48	-0.41	-0.30	-0.11	933.81	72.80	919.63	86.98	109.57
1	69	56	-1.78e-02	-0.73	-0.70	-5.45e-02	0.16	914.18	68.18	896.70	85.67	-120.36
1	69	57	5.83e-02	-4.33	-4.16	-0.11	0.84	640.25	-138.22	484.29	17.73	-311.58
1	69	58	10.40	-11.77	10.28	-11.65	1.66	100.80	-643.39	-240.45	-302.14	-370.82
1	69	59	4.13	-11.08	1.51	-8.46	-5.74	240.70	-693.13	-294.92	-157.52	461.83
1	69	60	-0.10	-3.43	-1.14	-2.39	-1.55	657.40	-168.25	479.64	9.50	339.36
1	69	61	0.12	-0.37	5.99e-02	-0.31	-0.17	834.31	37.78	806.63	65.46	145.89
1	69	62	0.31	7.69e-02	0.30	7.84e-02	1.87e-02	918.13	75.94	913.71	80.36	-60.83
1	69	63	4.32	0.83	2.82	2.33	-1.73	1018.21	22.40	934.15	106.46	-276.85
1	69	64	8.76	-6.68	-4.67	6.75	5.19	882.80	-156.03	684.31	42.46	-408.41
1	69	65	6.55	-12.08	2.26	-7.78	7.84	807.44	-137.39	88.48	581.56	-402.98
1	69	66	1.06	-1.11	0.67	-0.72	-0.83	930.29	129.26	168.88	890.67	-173.69
1	69	67	1.08	-1.10	0.70	-0.72	0.83	930.20	129.06	168.61	890.64	173.56
1	69	68	6.46	-12.02	2.18	-7.74	-7.79	807.09	-137.77	87.98	581.33	402.92
1	69	69	8.77	-6.70	-4.69	6.76	-5.20	882.88	-156.01	684.14	42.72	408.62
1	69	70	4.33	0.82	2.83	2.32	1.73	1018.07	22.44	933.99	106.51	276.84
1	69	71	0.30	0.10	0.30	0.10	-1.30e-02	918.11	75.91	913.70	80.33	60.80
1	69	72	0.13	-0.35	5.71e-02	-0.28	0.17	834.28	37.77	806.61	65.44	-145.85
1	69	73	-7.74e-02	-3.38	-1.13	-2.33	1.54	657.02	-168.25	479.48	9.29	-339.11
1	69	74	4.03	-10.98	1.51	-8.46	5.61	239.39	-693.70	-295.80	-158.51	-461.47
1	69	75	10.50	-11.91	10.39	-11.80	-1.57	101.33	-643.00	-238.48	-303.18	370.76
1	69	76	0.10	-4.41	-4.27	-3.10e-02	-0.77	640.21	-138.01	484.17	18.04	311.59
1	69	77	-3.33e-02	-0.76	-0.72	-7.89e-02	-0.18	914.07	68.34	896.62	85.80	120.25
1	69	78	-0.24	-0.48	-0.42	-0.30	0.10	933.83	72.79	919.64	86.99	-109.64
1	69	79	-0.15	-3.94	-2.82	-1.27	1.73	703.88	-117.04	563.09	23.75	-309.44
1	69	80	6.40	-7.31	6.32	-7.24	-1.01	269.01	-623.51	-152.02	-202.48	-445.55
1	69	81	5.89	-6.69	5.85	-6.65	0.69	312.15	-625.43	-129.62	-183.66	468.01
1	69	82	-1.19e-02	-3.65	-2.58	-1.09	-1.66	735.11	-122.36	585.14	27.61	325.74
1	69	83	-0.19	-0.44	-0.34	-0.29	-0.12	957.64	68.31	940.67	85.27	121.66
1	69	84	9.96e-03	-0.67	-0.62	-3.97e-02	0.18	943.30	69.80	928.45	84.65	-112.93
1	69	85	0.29	-3.97	-3.84	0.16	0.74	686.77	-124.95	537.28	24.54	-314.64
1	69	86	9.85	-11.08	9.64	-10.87	2.10	161.69	-623.42	-181.29	-280.44	-389.41
1	69	87	5.04	-8.60	-7.64	4.09	-3.48	142.11	-180.59	-177.46	138.98	-31.67
1	69	88	19.11	6.31	10.24	15.17	5.91	829.74	135.28	762.07	202.94	205.94
1	69	89	-1.62	-5.27	-2.73	-4.16	-1.68	974.07	-92.51	969.44	-87.88	70.12
1	69	90	-0.42	-0.80	-0.75	-0.48	-0.13	970.70	-18.47	970.48	-18.26	14.50
1	69	91	0.16	-0.46	-0.44	0.15	-9.11e-02	875.21	-15.65	871.51	-11.95	-57.30
1	69	92	3.94	0.42	0.94	3.42	-1.25	641.53	-9.68	601.35	30.50	-156.69
1	69	93	3.45	-4.11	3.45	-4.11	9.65e-03	45.62	-359.30	-140.33	-173.35	-201.79
1	69	94	1.33	-40.72	-8.99	-30.40	-18.10	-570.80	-1515.03	-1382.98	-702.84	-327.48
1	69	95	12.26	1.46	7.86	5.86	5.31	573.04	-61.93	468.14	42.97	235.81
1	69	96	1.08	5.54e-02	0.70	0.44	0.49	956.45	-29.06	950.23	-22.83	78.10
1	69	97	0.78	6.37e-02	0.23	0.61	-0.30	1021.43	-19.62	1020.14	-18.33	-36.59
1	69	98	7.90	1.26	3.58	5.58	-3.16	751.29	1.80	709.23	43.86	-172.50
1	69	99	1.98	-20.68	-0.95	-17.75	7.60	-395.05	-457.86	-395.07	-457.85	0.96
1	69	100	2.12	-19.11	-0.39	-16.59	-6.86	-339.99	-440.88	-345.61	-435.26	23.13
1	69	101	7.43	1.17	3.33	5.28	2.97	772.47	-0.51	730.45	41.52	175.26
1	69	102	0.74	1.16e-02	0.17	0.58	0.30	1044.14	-19.09	1042.61	-17.56	40.25
1	69	103	0.91	1.31e-02	0.59	0.34	-0.43	990.52	-28.09	984.86	-22.42	-75.76
1	69	104	12.00	1.18	7.37	5.81	-5.35	614.71	-58.66	517.98	38.07	-236.18
1	69	105	1.22	-39.20	-8.47	-29.51	17.26	-556.19	-1445.50	-1321.48	-680.22	308.08
1	69	106	5.14	-1.59	3.58	-2.70e-02	2.84	183.67	-293.33	-7.31	-102.36	233.72
1	69	107	3.67	0.17	0.53	3.31	1.07	715.94	1.34	690.72	26.55	131.84
1	69	108	0.19	-0.58	-0.58	0.19	-1.81e-02	922.75	-13.75	922.18	-13.18	23.20
1	69	109	-1.24	-4.04	-1.57	-3.71	0.90	997.14	-62.26	992.40	-57.51	-70.72
1	69	110	17.56	3.63	6.37	14.82	-5.54	887.13	162.31	823.72	225.73	-204.80
1	69	111	5.74	-7.76	-7.00	4.98	3.11	102.65	-72.58	-66.71	96.78	31.53
1	69	112	-1.73	-25.26	-11.27	-15.72	11.55	138.89	-643.93	112.68	-617.73	140.81
1	69	113	15.12	5.19	11.96	8.35	-4.63	688.01	5.44	98.90	594.55	-234.65
1	69	114	-2.02	-6.40	-2.22	-6.20	0.91	928.91	-80.15	-77.43	926.19	-52.27
1	69	115	-2.14	-6.39	-2.33	-6.20	-0.88	928.97	-79.68	-76.92	926.21	52.67

1	69	116	14.96	5.20	11.84	8.32	4.55	689.01	6.18	99.78	595.41	234.84
1	69	117	-2.53	-25.38	-11.83	-16.08	-11.22	134.64	-646.04	107.99	-619.39	-141.76
1	69	118	5.74	-8.35	-7.69	5.08	-2.98	102.16	-77.44	-71.64	96.37	-31.73
1	69	119	17.63	4.06	6.58	15.10	5.28	888.80	165.73	826.04	228.49	203.58
1	69	120	-1.12	-3.94	-1.48	-3.57	-0.95	999.56	-63.22	994.78	-58.44	71.07
1	69	121	5.82e-02	-0.63	-0.63	5.49e-02	-4.79e-02	923.25	-14.00	922.68	-13.44	-23.02
1	69	122	3.50	7.70e-02	0.45	3.12	-1.07	717.57	2.32	692.08	27.81	-132.60
1	69	123	5.02	-1.19	3.75	8.61e-02	-2.50	186.36	-289.61	-4.13	-99.13	-233.20
1	69	124	1.24	-39.17	-8.75	-29.18	-17.44	-555.02	-1448.37	-1325.53	-677.87	-307.66
1	69	125	11.77	1.30	7.56	5.51	5.13	614.45	-58.29	518.01	38.15	235.75
1	69	126	0.99	2.52e-02	0.63	0.39	0.47	990.92	-28.56	985.22	-22.86	76.01
1	69	127	0.74	3.38e-02	0.18	0.60	-0.29	1044.14	-19.13	1042.62	-17.61	-40.23
1	69	128	7.44	1.18	3.32	5.30	-2.97	772.45	-0.51	730.43	41.50	-175.24
1	69	129	2.14	-19.10	-0.38	-16.59	6.86	-340.00	-440.95	-345.61	-435.34	-23.13
1	69	130	1.97	-20.68	-0.96	-17.75	-7.60	-394.97	-457.82	-394.99	-457.80	-0.97
1	69	131	7.90	1.26	3.59	5.57	3.17	751.28	1.83	709.23	43.88	172.47
1	69	132	0.77	4.45e-02	0.22	0.60	0.31	1021.38	-19.56	1020.09	-18.28	36.56
1	69	133	1.01	4.36e-02	0.66	0.39	-0.46	956.03	-28.62	949.83	-22.41	-77.89
1	69	134	12.45	1.35	7.67	6.13	-5.50	573.02	-62.25	467.83	42.94	-236.14
1	69	135	1.29	-40.84	-8.78	-30.76	17.97	-571.78	-1513.02	-1379.83	-704.97	328.06
1	69	136	3.46	-4.12	3.45	-4.12	0.26	42.88	-361.01	-142.52	-175.61	201.26
1	69	137	4.10	0.49	0.99	3.59	1.25	640.95	-9.74	601.00	30.21	156.19
1	69	138	0.23	-0.46	-0.44	0.21	8.82e-02	875.18	-15.62	871.49	-11.93	57.23
1	69	139	-0.38	-0.80	-0.76	-0.42	0.12	970.70	-18.50	970.49	-18.29	-14.41
1	69	140	-1.63	-5.27	-2.72	-4.19	1.66	973.81	-92.49	969.17	-87.85	-70.13
1	69	141	19.05	6.24	10.21	15.08	-5.93	829.08	135.42	761.40	203.09	-205.82
1	69	142	4.92	-8.39	-7.39	3.93	3.50	141.04	-178.82	-175.72	137.95	31.33
1	69	143	-1.84	-29.28	-12.79	-18.33	13.44	135.88	-631.78	102.51	-598.40	156.55
1	69	144	15.29	4.77	12.16	7.90	-4.81	713.86	-1.35	98.84	613.67	-248.24
1	69	145	-2.03	-7.04	-2.21	-6.87	0.91	960.67	-82.12	-79.14	957.68	-55.74
1	69	146	-2.15	-7.04	-2.32	-6.87	-0.88	960.92	-81.50	-78.48	957.90	56.07
1	69	147	15.13	4.79	12.08	7.84	4.72	715.49	-0.65	99.52	615.32	248.41
1	69	148	-2.46	-29.29	-13.17	-18.58	-13.14	132.46	-634.39	98.66	-600.59	-157.41
1	69	149	1.17	1.42e-02	1.06	0.13	-0.35	532.98	197.59	532.10	198.47	-17.11
1	69	150	1.98	-1.28	1.89	-1.19	0.55	449.58	113.15	194.13	368.59	-143.83
1	69	151	2.60	0.72	2.55	0.78	0.31	555.09	-364.72	-333.85	524.22	165.66
1	69	152	2.31	-1.91e-02	2.31	-1.82e-02	4.60e-02	577.69	-317.02	-286.82	547.48	-161.59
1	69	153	5.46	1.28	5.46	1.29	-0.17	698.09	-537.70	-537.70	698.08	2.24
1	69	154	3.03	-3.03	2.94	-2.93	0.76	383.24	-771.64	-520.36	131.96	-476.50
1	69	155	8.18	-3.69	8.14	-3.64	-0.74	623.57	-1150.77	-1150.61	623.41	17.09
1	69	156	3.81	-2.12	3.72	-2.03	-0.72	424.53	-735.40	-454.45	143.58	496.94
1	69	157	1.39	-2.27	7.98e-02	-0.96	1.76	543.82	-56.00	318.76	169.06	-290.42
1	69	158	1.77	-0.81	1.20	-0.24	-1.07	515.66	-98.64	274.84	142.18	299.90
1	69	159	0.19	-0.89	-0.29	-0.41	0.53	683.34	172.26	662.71	192.89	-100.58
1	69	160	1.14	-0.60	0.79	-0.25	-0.70	610.80	99.72	581.53	128.99	118.74
1	69	161	-2.72e-03	-0.67	-0.29	-0.38	-0.33	700.28	179.23	681.80	197.71	96.37
1	69	162	1.41	-0.23	1.09	9.09e-02	-0.65	702.49	139.64	698.28	143.86	-48.53
1	69	163	0.88	-1.24	0.31	-0.67	-0.94	591.31	-19.65	383.37	188.29	289.49
1	69	164	2.22	0.26	0.67	1.81	-0.80	778.77	120.34	693.31	205.80	-221.29
1	69	165	2.24	-2.40	2.08	-2.24	-0.85	434.51	-664.97	-392.14	161.68	474.90
1	69	166	3.07	-3.27	-0.67	0.47	3.12	800.23	-99.08	446.05	255.10	-439.40
1	69	167	6.83	-3.21	6.83	-3.21	5.32e-02	638.57	-1034.77	-1034.74	638.54	-6.30
1	69	168	2.22	-2.42	2.02	-2.22	0.94	452.76	-654.81	-368.89	166.83	-484.70
1	69	169	0.95	-1.07	0.46	-0.58	0.87	605.29	-25.84	397.27	182.18	-296.68
1	69	170	1.53	-2.44e-02	1.50	9.89e-03	-0.23	633.60	311.22	410.94	533.88	-149.01
1	69	171	8.85e-02	-0.57	-0.13	-0.36	0.31	718.34	161.16	698.42	181.08	-103.45
1	69	172	1.52	-2.21e-02	1.49	1.12e-02	0.22	633.67	310.78	411.66	532.79	149.65
1	69	173	0.26	-0.76	-0.11	-0.39	-0.49	702.99	158.29	686.68	174.61	92.84
1	69	174	3.04	-3.28	-0.66	0.42	-3.11	800.26	-99.05	446.25	254.96	439.36
1	69	175	1.45	-1.99	0.30	-0.84	-1.62	558.05	-47.58	352.84	157.64	286.66
1	69	176	2.98	-2.99	2.80	-2.82	-1.01	396.01	-740.32	-473.30	128.99	481.79
1	69	177	7.90	-3.67	7.86	-3.64	0.65	599.43	-1155.59	-1155.59	599.43	-1.79
1	69	178	2.22	0.26	0.67	1.81	0.80	778.83	120.32	693.33	205.82	221.34
1	69	179	3.73	-2.08	3.68	-2.03	0.53	390.07	-767.07	-500.34	123.35	-487.34
1	69	180	1.41	-0.23	1.09	9.16e-02	0.65	702.48	139.65	698.26	143.86	48.54
1	69	181	1.53	-1.07	0.86	-0.40	1.13	495.44	-117.89	239.00	138.55	-302.52
1	69	182	1.15	-0.60	0.80	-0.25	0.70	610.78	99.72	581.52	128.98	-118.74
1	69	183	1.10	-0.73	0.66	-0.28	0.78	595.87	103.92	563.28	136.52	-122.36
1	69	184	1.75	-0.82	1.19	-0.26	1.06	515.71	-98.69	274.89	142.13	-299.94
1	69	185	3.79	-2.11	3.70	-2.02	0.73	424.55	-735.22	-454.28	143.61	-496.89
1	69	186	8.16	-3.69	8.11	-3.65	0.73	622.92	-1150.58	-1150.41	622.75	-17.30
1	69	187	3.26	-3.54	-0.24	-4.46e-02	-3.40	771.17	-100.58	415.88	254.71	428.36
1	69	188	2.95	-3.08	2.86	-2.99	-0.73	384.26	-771.74	-519.77	132.29	477.27
1	69	189	1.44	-2.27	9.97e-02	-0.93	-1.78	543.44	-56.09	318.25	169.10	290.34
1	69	190	0.19	-0.89	-0.29	-0.41	-0.53	683.36	172.17	662.73	192.80	100.60
1	69	191	1.70	-0.20	1.68	-0.19	0.18	623.32	302.28	395.98	529.62	145.95

1	69	192	-7.91e-03	-0.67	-0.29	-0.39	0.33	699.99	179.24	681.45	197.78	-96.49
1	69	193	1.69	-0.19	1.67	-0.18	-0.18	621.05	303.96	397.31	527.70	-144.52
1	69	194	0.88	-1.24	0.31	-0.67	0.94	591.51	-19.79	383.49	188.22	-289.64
1	69	195	3.14	-3.45	-0.31	1.23e-03	3.29	771.08	-93.19	419.32	258.57	-424.59
1	69	196	2.22	-2.41	2.05	-2.25	0.86	434.92	-664.62	-391.57	161.87	-475.05
1	69	197	6.77	-3.23	6.77	-3.22	-5.28e-02	637.16	-1036.38	-1036.36	637.14	6.20
1	69	198	2.23	-2.42	2.02	-2.20	-0.97	452.74	-654.65	-368.73	166.82	484.64
1	69	199	0.95	-1.06	0.47	-0.58	-0.86	605.56	-25.86	397.77	181.93	296.69
1	69	200	8.64e-02	-0.57	-0.13	-0.36	-0.31	718.16	161.21	698.18	181.19	103.58
1	69	201	1.10	-0.73	0.67	-0.29	-0.78	595.79	103.92	563.09	136.61	122.53
1	69	202	0.26	-0.76	-0.11	-0.38	0.49	703.07	158.29	686.75	174.61	-92.87
1	69	203	1.57	-1.04	0.90	-0.37	-1.14	495.39	-117.62	239.30	138.46	302.33
1	69	204	1.45	-1.98	0.30	-0.83	1.62	558.12	-47.55	353.00	157.57	-286.64
1	69	205	3.74	-2.09	3.69	-2.04	-0.53	389.83	-767.15	-500.59	123.27	487.19
1	69	206	2.98	-3.01	2.81	-2.83	1.01	395.95	-740.09	-473.19	129.06	-481.63
1	69	207	7.86	-3.68	7.82	-3.64	-0.65	599.51	-1156.04	-1156.04	599.51	1.44
1	69	208	1.46	-0.22	0.95	0.29	0.77	689.49	153.11	685.49	157.10	46.11
1	69	209	1.81	0.31	0.36	1.75	0.29	761.71	125.62	676.74	210.59	216.40
1	69	210	1.76	-0.63	1.67	-0.54	-0.45	414.34	191.30	398.01	207.63	58.10
1	69	211	1.78	0.36	0.42	1.73	-0.27	760.95	125.88	676.41	210.42	-215.73
1	69	212	1.47	-0.21	0.95	0.31	-0.78	690.02	153.17	685.90	157.29	-46.86
1	69	213	1.96	-1.44	1.85	-1.34	0.58	480.73	96.90	166.31	411.32	-147.74
1	69	214	2.28	-0.33	2.28	-0.33	7.22e-02	605.04	-324.95	-297.53	577.63	-157.30
1	69	215	5.43	1.39	5.43	1.39	-5.16e-02	726.42	-526.22	-526.20	726.40	4.37
1	69	216	2.82	0.92	2.77	0.97	0.30	563.71	-340.98	-313.79	536.52	154.46
1	69	217	2.48	-0.45	2.45	-0.41	-0.33	386.71	54.89	123.70	317.89	134.53
1	69	218	1.21	-1.43	1.16	-1.38	0.37	494.56	287.85	480.48	301.93	-52.08
1	69	219	1.80	-0.59	1.73	-0.52	-0.40	442.46	171.81	430.77	183.49	55.02
1	69	220	1.09	-1.24	1.08	-1.23	-0.15	509.64	294.46	498.50	305.60	47.67
1	69	221	1.23	1.99e-02	1.11	0.14	-0.36	555.76	173.85	554.74	174.87	-19.76
1	69	222	1.49	-0.95	1.45	-0.91	-0.32	494.09	151.87	229.14	416.82	143.09
1	69	223	0.85	0.59	0.71	0.73	-0.13	573.79	254.64	545.30	283.13	-91.00
1	69	224	1.67	0.13	1.66	0.14	0.12	622.87	-231.01	-200.20	592.06	159.24
1	69	225	4.28	1.30	4.28	1.30	-3.80e-02	747.73	-408.59	-408.59	747.73	-1.24
1	69	226	1.75	0.27	1.72	0.29	-0.19	613.90	-218.31	-191.32	586.91	-147.41
1	69	227	1.59	-0.80	1.56	-0.77	0.26	471.16	166.37	243.18	394.35	-132.33
1	69	228	1.15	-1.14	1.14	-1.13	0.14	528.99	259.06	519.35	268.70	-50.09
1	69	229	0.85	0.59	0.71	0.73	0.13	573.53	254.86	545.20	283.19	90.70
1	69	230	1.25	-1.30	1.21	-1.26	-0.33	515.62	251.06	506.96	259.71	47.06
1	69	231	1.98	-1.28	1.89	-1.19	-0.54	449.55	113.16	194.11	368.60	143.80
1	69	232	2.31	-1.65e-02	2.31	-1.57e-02	-4.42e-02	577.68	-317.03	-286.83	547.49	161.57
1	69	233	5.47	1.28	5.46	1.29	0.16	698.06	-537.68	-537.68	698.06	-2.32
1	69	234	2.59	0.72	2.53	0.77	-0.32	555.17	-364.48	-333.62	524.31	-165.62
1	69	235	1.23	2.02e-02	1.11	0.14	0.36	555.68	173.89	554.66	174.91	19.75
1	69	236	2.39	-0.51	2.35	-0.47	0.32	394.00	26.82	85.38	335.44	-134.44
1	69	237	1.80	-0.59	1.73	-0.52	0.40	442.44	171.82	430.75	183.50	-55.00
1	69	238	1.76	-0.63	1.66	-0.54	0.46	416.71	189.64	399.87	206.47	-59.49
1	69	239	2.47	-0.45	2.44	-0.42	0.33	386.71	55.10	123.85	317.97	-134.43
1	69	240	1.17	9.79e-03	1.06	0.13	0.35	532.13	197.55	531.28	198.40	16.80
1	69	241	2.82	0.93	2.77	0.98	-0.30	563.74	-342.56	-314.44	535.61	-157.15
1	69	242	5.37	1.37	5.37	1.37	6.28e-02	725.35	-528.30	-528.28	725.34	-4.39
1	69	243	2.26	-0.37	2.26	-0.37	-5.45e-02	607.12	-317.86	-292.79	582.04	150.22
1	69	244	0.77	0.53	0.76	0.54	4.40e-02	562.17	261.73	529.21	294.69	93.90
1	69	245	1.99	-1.42	1.89	-1.32	-0.57	480.52	96.66	165.46	411.72	147.22
1	69	246	1.22	-1.43	1.17	-1.38	-0.37	494.24	288.05	480.34	301.96	51.71
1	69	247	1.10	-1.25	1.10	-1.24	0.15	506.92	296.38	496.19	307.11	-46.31
1	69	248	0.77	0.53	0.77	0.54	-4.28e-02	559.85	264.21	527.69	296.37	-92.05
1	69	249	1.49	-0.95	1.45	-0.91	0.32	494.13	151.83	229.24	416.72	-143.19
1	69	250	1.64	0.15	1.63	0.16	-0.12	623.24	-230.91	-199.80	592.13	-160.02
1	69	251	4.34	1.22	4.34	1.22	4.14e-02	745.01	-415.68	-415.68	745.01	0.81
1	69	252	1.73	0.31	1.71	0.33	0.17	613.51	-221.71	-192.88	584.68	152.47
1	69	253	1.58	-0.81	1.55	-0.78	-0.27	473.03	164.22	244.96	392.29	135.70
1	69	254	1.16	-1.14	1.15	-1.14	-0.14	527.22	260.51	517.96	269.77	48.81
1	69	255	1.26	-1.30	1.21	-1.26	0.33	515.57	251.10	506.97	259.70	-46.92
1	69	256	2.39	-0.51	2.36	-0.48	-0.33	394.80	25.73	86.61	333.91	136.97
1	71	1	11.01	-0.75	-0.49	10.76	1.70	-875.05	-1502.30	-1141.28	-1236.07	310.02
1	71	3	10.75	-1.47	-1.16	10.43	-1.93	-879.06	-1503.61	-1146.64	-1236.03	-309.06
1	71	5	10.02	-3.21e-02	9.70	0.29	1.78	-2427.59	-3995.91	-3995.26	-2428.24	-31.77
1	71	7	10.03	-5.94e-02	9.70	0.27	-1.78	-2424.07	-3996.53	-3995.93	-2424.67	30.85
1	71	9	4.42	-0.19	4.42	-0.19	-5.12e-02	-2248.76	-3803.66	-3803.61	-2248.81	-8.28
1	71	11	4.43	-0.18	4.43	-0.18	5.23e-02	-2248.79	-3803.71	-3803.66	-2248.83	8.26
1	71	13	10.59	0.18	10.33	0.45	-1.65	-2437.73	-4031.13	-4031.10	-2437.76	-7.13
1	71	15	10.57	0.19	10.30	0.46	1.66	-2440.32	-4030.44	-4030.41	-2440.34	6.46
1	71	17	9.35	-1.76	-1.20	8.79	-2.42	-876.32	-1574.54	-1165.88	-1284.98	-343.99
1	71	19	9.57	-1.27	-0.76	9.06	2.29	-874.56	-1574.22	-1163.33	-1285.46	344.46
1	71	21	12.78	-6.29	3.07	3.41	9.54	-322.32	-711.35	-373.14	-660.53	131.09

1	71	22	29.22	-22.32	9.63	-2.73	25.02	450.96	-2918.03	-2857.62	390.56	447.05
1	71	23	7.66	5.46	5.54	7.58	-0.42	604.08	-3036.17	-3036.17	604.08	-3.43
1	71	24	28.53	-21.70	10.54	-3.71	-24.09	405.30	-2855.64	-2789.49	339.15	-459.72
1	71	25	16.32	-4.94	1.98	9.40	-9.96	-385.17	-699.56	-472.71	-612.02	-140.92
1	71	26	17.16	-4.19	3.22	9.75	10.16	-383.47	-701.68	-468.37	-616.77	140.74
1	71	27	28.55	-21.63	10.53	-3.61	24.07	399.11	-2855.90	-2789.75	332.95	459.30
1	71	28	7.66	5.46	5.54	7.58	0.42	604.09	-3036.07	-3036.07	604.08	3.44
1	71	29	29.24	-22.31	9.69	-2.76	-25.01	455.43	-2918.06	-2857.72	395.09	-447.12
1	71	30	11.81	-6.94	1.86	3.01	-9.36	-323.24	-707.87	-375.69	-655.41	-132.00
1	71	31	4.93	-13.39	1.68	-10.15	-6.99	227.53	-882.66	-459.81	-195.32	539.11
1	71	32	-0.33	-4.22	-0.88	-3.67	-1.36	766.97	-223.83	538.12	5.02	417.57
1	71	33	0.12	-0.21	0.12	-0.21	-1.47e-02	1017.36	51.26	977.25	91.37	192.72
1	71	34	0.54	-8.50e-02	0.49	-3.47e-02	0.17	1111.82	93.28	1108.76	96.35	-55.82
1	71	35	7.03	0.70	2.39	5.34	-2.80	1202.92	58.00	1118.14	142.78	-299.80
1	71	36	8.18	-8.38	-4.84	4.64	6.79	987.94	-156.39	786.35	45.21	-435.95
1	71	37	7.10	-13.65	2.49	-9.03	8.63	922.36	-137.65	110.34	674.37	-448.74
1	71	38	1.34	-1.60	0.78	-1.04	-1.15	1086.31	153.79	196.55	1043.55	-195.04
1	71	39	1.40	-1.61	0.84	-1.05	1.17	1086.12	152.92	195.76	1043.27	195.31
1	71	40	7.00	-13.52	2.42	-8.94	-8.55	920.78	-138.46	109.13	673.19	448.28
1	71	41	8.11	-8.44	-5.01	4.68	-6.71	987.71	-157.37	785.46	44.88	436.68
1	71	42	6.94	0.56	2.34	5.16	2.86	1200.14	58.74	1115.40	143.48	299.22
1	71	43	0.53	-3.74e-02	0.49	4.33e-03	-0.15	1113.11	93.26	1109.99	96.37	56.27
1	71	44	0.13	-0.13	0.13	-0.12	3.22e-02	1017.82	51.41	977.75	91.47	-192.64
1	71	45	-0.32	-4.12	-0.84	-3.60	1.31	765.84	-224.01	537.49	4.33	-417.00
1	71	46	4.67	-13.21	1.61	-10.16	6.73	225.55	-884.38	-461.33	-197.51	-539.06
1	71	47	12.61	-14.26	12.38	-14.03	-2.46	200.08	-774.54	-226.63	-347.83	483.52
1	71	48	0.37	-5.12	-4.99	0.24	-0.84	851.03	-152.18	661.71	37.15	392.54
1	71	49	-2.62e-02	-0.87	-0.79	-0.11	-0.25	1166.38	92.96	1146.48	112.87	144.81
1	71	50	-0.26	-0.54	-0.41	-0.39	0.14	1181.08	94.19	1161.98	113.29	-142.80
1	71	51	-3.94e-02	-4.54	-3.19	-1.39	2.06	905.68	-137.22	727.02	41.44	-392.94
1	71	52	7.32	-8.29	7.27	-8.24	-0.89	387.08	-753.58	-146.54	-219.95	-569.15
1	71	53	7.95	-9.12	7.85	-9.02	1.28	334.50	-752.49	-174.34	-243.64	542.39
1	71	54	-0.20	-4.94	-3.53	-1.61	-2.16	869.62	-131.49	701.62	36.51	374.11
1	71	55	-0.30	-0.60	-0.52	-0.39	-0.13	1156.34	99.61	1140.38	115.57	128.88
1	71	56	-4.13e-02	-0.92	-0.87	-9.12e-02	0.20	1135.92	90.98	1112.68	114.21	-154.08
1	71	57	1.31e-02	-5.50	-5.27	-0.21	1.09	797.83	-168.98	600.39	28.45	-389.74
1	71	58	13.16	-15.00	13.00	-14.85	2.06	125.73	-801.13	-301.29	-374.12	-462.00
1	71	59	5.28	-13.79	2.07	-10.59	-7.13	305.60	-862.36	-367.68	-189.08	577.11
1	71	60	-5.49e-02	-4.31	-1.35	-3.02	-1.96	821.09	-208.94	593.37	18.78	427.44
1	71	61	0.31	-0.49	0.22	-0.40	-0.25	1034.89	48.44	995.58	87.76	192.97
1	71	62	0.57	8.33e-02	0.57	8.72e-02	-4.38e-02	1124.86	101.18	1121.87	104.17	-55.25
1	71	63	5.50	1.01	3.66	2.85	-2.21	1230.70	44.63	1141.51	133.83	-312.79
1	71	64	10.50	-7.30	-5.15	8.36	5.79	1060.73	-163.52	839.25	57.95	-471.26
1	71	65	7.54	-14.77	2.35	-9.58	9.42	962.89	-152.27	110.96	699.66	-473.55
1	71	66	1.11	-1.66	0.71	-1.26	-0.97	1125.42	160.14	205.74	1079.82	-204.78
1	71	67	1.14	-1.65	0.75	-1.27	0.96	1125.29	159.89	205.40	1079.77	204.62
1	71	68	7.43	-14.69	2.26	-9.53	-9.36	962.46	-152.75	110.35	699.36	473.49
1	71	69	10.51	-7.31	-5.17	8.36	-5.80	1060.78	-163.52	839.00	58.26	471.53
1	71	70	5.51	1.00	3.67	2.84	2.22	1230.50	44.65	1141.31	133.85	312.76
1	71	71	0.57	0.11	0.56	0.12	5.09e-02	1124.85	101.14	1121.86	104.12	55.22
1	71	72	0.31	-0.46	0.22	-0.36	0.25	1034.85	48.43	995.55	87.73	-192.92
1	71	73	-2.72e-02	-4.24	-1.33	-2.94	1.95	820.62	-208.93	593.16	18.53	-427.14
1	71	74	5.16	-13.67	2.08	-10.58	6.97	303.98	-863.06	-368.77	-190.30	-576.66
1	71	75	13.28	-15.17	13.14	-15.04	-1.95	126.36	-800.68	-298.87	-375.45	461.93
1	71	76	6.90e-02	-5.59	-5.41	-0.11	-0.99	797.78	-168.70	600.23	28.85	389.75
1	71	77	-6.01e-02	-0.96	-0.90	-0.12	-0.23	1135.78	91.18	1112.58	114.38	153.93
1	71	78	-0.31	-0.60	-0.52	-0.39	0.13	1156.38	99.60	1140.40	115.58	-128.97
1	71	79	-0.21	-4.94	-3.53	-1.62	2.16	869.72	-131.57	701.64	36.51	-374.23
1	71	80	7.94	-9.12	7.84	-9.02	-1.27	334.51	-752.59	-174.37	-243.72	-542.44
1	71	81	7.32	-8.29	7.27	-8.24	0.89	386.93	-753.60	-146.66	-220.01	569.08
1	71	82	-3.31e-02	-4.55	-3.20	-1.38	-2.07	905.70	-137.32	726.99	41.39	393.01
1	71	83	-0.25	-0.54	-0.41	-0.38	-0.15	1181.12	94.17	1162.01	113.28	142.86
1	71	84	-6.79e-03	-0.83	-0.76	-7.45e-02	0.23	1166.59	92.81	1146.68	112.72	-144.86
1	71	85	0.30	-5.01	-4.84	0.13	0.94	851.14	-152.34	661.98	36.82	-392.48
1	71	86	12.47	-14.10	12.21	-13.84	2.59	199.21	-775.08	-229.31	-346.55	-483.61
1	71	87	6.94	-8.72	-8.07	6.29	-3.10	172.45	-166.12	-164.28	170.61	-24.90
1	71	88	22.79	7.70	12.36	18.13	6.97	1008.44	174.60	936.69	246.35	233.84
1	71	89	-1.66	-6.32	-2.87	-5.10	-2.05	1186.50	-110.64	1182.09	-106.22	75.55
1	71	90	-0.45	-0.78	-0.64	-0.59	-0.16	1188.44	-22.29	1188.35	-22.20	10.75
1	71	91	0.20	-0.38	-0.36	0.18	-0.11	1077.21	-19.95	1071.99	-14.72	-75.55
1	71	92	4.96	0.65	1.33	4.28	-1.57	792.69	-12.78	741.18	38.73	-197.07
1	71	93	4.17	-5.30	4.17	-5.30	6.17e-02	53.20	-447.91	-176.91	-217.80	-249.72
1	71	94	1.46	-51.40	-11.55	-38.39	-22.77	-716.94	-1900.52	-1732.25	-885.22	-413.34
1	71	95	15.44	1.88	9.94	7.38	6.66	712.07	-77.00	579.69	55.38	294.84
1	71	96	1.39	8.89e-02	0.92	0.55	0.62	1184.99	-36.13	1176.96	-28.10	98.72
1	71	97	0.96	0.11	0.32	0.75	-0.37	1263.62	-23.92	1262.20	-22.50	-42.63

1	71	98	9.75	1.58	4.44	6.89	-3.90	929.21	4.78	879.25	54.74	-209.01
1	71	99	1.99	-25.54	-1.68	-21.88	9.35	-472.87	-563.05	-473.12	-562.80	4.76
1	71	100	2.18	-23.56	-0.96	-20.41	-8.43	-406.94	-538.60	-411.53	-534.01	24.15
1	71	101	9.16	1.48	4.14	6.49	3.65	952.86	1.83	903.12	51.58	211.73
1	71	102	0.91	5.82e-02	0.27	0.71	0.37	1286.71	-23.13	1285.03	-21.45	46.82
1	71	103	1.19	4.17e-02	0.80	0.43	-0.54	1221.45	-34.78	1214.12	-27.44	-95.71
1	71	104	15.10	1.55	9.34	7.31	-6.70	759.38	-72.87	637.24	49.27	-294.50
1	71	105	1.32	-49.40	-10.85	-37.22	21.66	-697.19	-1813.74	-1655.36	-855.57	389.55
1	71	106	6.27	-2.04	4.37	-0.14	3.49	226.87	-367.00	-11.21	-128.93	291.04
1	71	107	4.63	0.34	0.81	4.16	1.34	885.24	0.88	852.26	33.86	167.57
1	71	108	0.24	-0.49	-0.49	0.24	-2.59e-02	1135.54	-17.14	1134.47	-16.07	35.08
1	71	109	-1.17	-4.81	-1.53	-4.45	1.09	1216.78	-74.37	1212.39	-69.98	-75.16
1	71	110	20.58	4.61	7.74	17.45	-6.33	1074.14	201.73	1008.25	267.62	-230.53
1	71	111	8.25	-8.00	-7.47	7.72	2.88	126.80	-37.75	-33.03	122.09	27.45
1	71	112	-2.33	-31.25	-14.55	-19.03	14.28	163.04	-782.52	130.76	-750.25	171.68
1	71	113	17.59	5.91	14.02	9.48	-5.38	821.50	1.83	112.29	711.04	-279.89
1	71	114	-2.33	-7.95	-2.54	-7.74	1.05	1120.50	-94.29	-91.06	1117.27	-62.55
1	71	115	-2.47	-7.94	-2.67	-7.74	-1.02	1120.59	-93.68	-90.40	1117.31	63.05
1	71	116	17.39	5.93	13.87	9.45	5.29	822.83	2.78	113.38	712.23	280.12
1	71	117	-3.34	-31.39	-15.22	-19.51	-13.86	157.79	-785.41	124.92	-752.55	-172.97
1	71	118	8.27	-8.75	-8.31	7.84	-2.68	125.67	-44.28	-39.55	120.94	-27.95
1	71	119	20.66	5.13	7.99	17.79	6.02	1076.52	205.69	1011.35	270.86	229.14
1	71	120	-1.04	-4.70	-1.44	-4.31	-1.14	1219.69	-75.39	1215.26	-70.96	75.64
1	71	121	6.93e-02	-0.56	-0.55	6.41e-02	-5.71e-02	1136.09	-17.41	1135.04	-16.36	-34.88
1	71	122	4.41	0.23	0.72	3.92	-1.35	887.25	2.07	853.91	35.40	-168.51
1	71	123	6.12	-1.54	4.58	1.09e-03	-3.07	230.15	-362.35	-7.30	-124.90	-290.36
1	71	124	1.35	-49.36	-11.21	-36.80	-21.89	-695.66	-1817.25	-1660.35	-852.56	-389.05
1	71	125	14.81	1.70	9.58	6.94	6.42	759.05	-72.42	637.30	49.34	293.96
1	71	126	1.28	5.71e-02	0.85	0.49	0.59	1221.95	-35.38	1214.57	-28.00	96.03
1	71	127	0.92	8.66e-02	0.28	0.73	-0.35	1286.72	-23.19	1285.04	-21.52	-46.79
1	71	128	9.16	1.49	4.13	6.51	-3.65	952.84	1.83	903.11	51.56	-211.71
1	71	129	2.20	-23.55	-0.94	-20.40	8.43	-406.94	-538.69	-411.52	-534.11	-24.15
1	71	130	1.98	-25.55	-1.69	-21.89	-9.35	-472.77	-563.00	-473.03	-562.75	-4.78
1	71	131	9.75	1.58	4.45	6.87	3.90	929.19	4.82	879.25	54.76	208.97
1	71	132	0.96	8.67e-02	0.31	0.73	0.38	1263.55	-23.85	1262.14	-22.44	42.60
1	71	133	1.30	7.39e-02	0.87	0.50	-0.58	1184.46	-35.57	1176.46	-27.57	-98.47
1	71	134	15.68	1.75	9.70	7.73	-6.89	712.04	-77.38	579.28	55.38	-295.26
1	71	135	1.41	-51.55	-11.29	-38.85	22.61	-718.25	-1898.10	-1728.38	-887.97	414.05
1	71	136	4.17	-5.31	4.16	-5.31	0.27	49.81	-450.02	-179.59	-220.61	249.07
1	71	137	5.15	0.74	1.39	4.50	1.57	791.97	-12.83	740.75	38.39	196.46
1	71	138	0.28	-0.38	-0.36	0.26	0.11	1077.18	-19.91	1071.96	-14.70	75.46
1	71	139	-0.41	-0.75	-0.64	-0.51	0.15	1188.44	-22.33	1188.35	-22.24	-10.64
1	71	140	-1.67	-6.32	-2.86	-5.13	2.03	1186.14	-110.69	1181.73	-106.27	-75.51
1	71	141	22.73	7.62	12.33	18.02	-7.00	1007.45	174.78	935.69	246.54	-233.68
1	71	142	6.81	-8.43	-7.74	6.12	3.17	171.40	-163.62	-161.84	169.61	24.38
1	71	143	-2.69	-36.34	-16.45	-22.57	16.54	160.93	-768.66	119.33	-727.06	192.21
1	71	144	17.86	5.42	14.31	8.97	-5.62	854.93	-6.66	112.52	735.76	-297.45
1	71	145	-2.35	-8.77	-2.53	-8.59	1.06	1161.88	-97.03	-93.46	1158.31	-66.98
1	71	146	-2.49	-8.77	-2.66	-8.59	-1.03	1162.20	-96.25	-92.63	1158.58	67.38
1	71	147	17.67	5.44	14.21	8.90	5.51	857.02	-5.78	113.37	737.87	297.67
1	71	148	-3.47	-36.35	-16.91	-22.91	-16.17	156.66	-772.07	114.50	-729.91	-193.33
1	71	149	1.46	-3.69e-02	1.29	0.12	-0.46	676.32	287.73	675.78	288.26	-14.39
1	71	150	2.51	-1.71	2.39	-1.59	0.70	610.67	159.39	249.42	520.65	-180.34
1	71	151	3.31	0.89	3.24	0.96	0.40	752.10	-437.95	-400.36	714.51	208.15
1	71	152	2.92	-0.10	2.92	-0.10	5.61e-02	781.04	-383.87	-347.81	744.98	-201.76
1	71	153	6.89	1.58	6.88	1.59	-0.22	933.29	-657.07	-657.06	933.28	3.46
1	71	154	3.88	-3.87	3.78	-3.77	0.87	507.46	-952.74	-645.10	199.82	-595.46
1	71	155	10.24	-4.64	10.18	-4.58	-0.96	816.37	-1429.67	-1429.47	816.17	21.20
1	71	156	4.87	-2.71	4.76	-2.60	-0.89	561.69	-902.52	-557.37	216.54	621.48
1	71	157	1.76	-2.98	8.86e-02	-1.31	2.26	696.92	-48.19	402.34	246.39	-364.30
1	71	158	2.30	-1.07	1.58	-0.35	-1.38	666.07	-101.37	350.17	214.53	377.68
1	71	159	0.22	-1.18	-0.38	-0.57	0.69	858.34	247.32	829.73	275.94	-129.09
1	71	160	1.52	-0.79	1.06	-0.33	-0.93	771.78	152.46	729.29	194.94	156.55
1	71	161	-4.29e-02	-0.88	-0.38	-0.54	-0.41	875.53	258.43	853.71	280.26	113.97
1	71	162	1.84	-0.34	1.40	9.36e-02	-0.87	873.39	203.22	870.40	206.21	-44.66
1	71	163	1.07	-1.66	0.37	-0.97	-1.19	744.74	7.59	486.74	265.59	351.60
1	71	164	2.71	0.28	0.88	2.12	-1.04	951.90	179.44	859.98	271.35	-250.11
1	71	165	2.77	-3.00	2.61	-2.85	-0.93	558.15	-793.93	-465.63	229.85	579.75
1	71	166	3.54	-3.84	-0.84	0.54	3.62	964.24	-85.91	558.68	319.65	-511.29
1	71	167	8.18	-3.88	8.18	-3.88	6.97e-02	814.79	-1254.18	-1254.15	814.76	-7.48
1	71	168	2.74	-3.02	2.54	-2.82	1.06	580.57	-780.35	-436.83	237.06	-591.18
1	71	169	1.17	-1.45	0.57	-0.85	1.10	760.13	1.30	502.27	259.17	-359.42
1	71	170	1.78	-0.21	1.75	-0.17	-0.27	779.13	399.70	513.63	665.20	-173.92
1	71	171	8.41e-02	-0.75	-0.16	-0.51	0.38	894.52	237.41	871.03	260.90	-122.00
1	71	172	1.77	-0.20	1.74	-0.17	0.26	779.17	399.24	514.52	663.89	174.67
1	71	173	0.32	-1.01	-0.15	-0.54	-0.64	878.50	231.83	855.64	254.70	119.43

1	71	174	3.51	-3.84	-0.82	0.49	-3.61	964.28	-85.88	558.91	319.49	511.25
1	71	175	1.84	-2.62	0.38	-1.16	-2.09	711.30	-35.75	441.75	233.80	358.77
1	71	176	3.80	-3.82	3.62	-3.63	-1.18	522.95	-912.29	-587.06	197.73	600.84
1	71	177	9.88	-4.62	9.83	-4.57	0.85	786.42	-1435.21	-1435.20	786.41	-3.44
1	71	178	2.70	0.28	0.87	2.11	1.04	951.96	179.40	860.00	271.36	250.17
1	71	179	4.76	-2.66	4.70	-2.60	0.66	519.56	-943.00	-613.91	190.47	-610.75
1	71	180	1.84	-0.34	1.40	9.44e-02	0.87	873.37	203.22	870.38	206.21	44.67
1	71	181	2.00	-1.40	1.15	-0.55	1.47	643.41	-127.66	306.81	208.93	-382.41
1	71	182	1.52	-0.79	1.06	-0.33	0.93	771.76	152.45	729.28	194.94	-156.54
1	71	183	1.47	-0.96	0.88	-0.37	1.04	755.78	155.03	707.94	202.86	-162.63
1	71	184	2.28	-1.09	1.57	-0.38	1.38	666.13	-101.43	350.23	214.47	-377.73
1	71	185	4.85	-2.70	4.74	-2.58	0.91	561.70	-902.30	-557.16	216.55	-621.42
1	71	186	10.21	-4.65	10.15	-4.59	0.94	815.51	-1429.40	-1429.20	815.31	-21.43
1	71	187	3.74	-4.15	-0.32	-8.61e-02	-3.94	926.90	-87.27	521.56	318.07	496.77
1	71	188	3.77	-3.93	3.68	-3.84	-0.83	508.81	-952.85	-644.35	200.31	596.45
1	71	189	1.81	-2.97	0.11	-1.28	-2.29	696.43	-48.30	401.70	246.44	364.18
1	71	190	0.22	-1.18	-0.39	-0.57	-0.69	858.37	247.20	829.76	275.81	129.11
1	71	191	1.97	-0.43	1.95	-0.41	0.20	764.92	388.26	494.97	658.21	169.72
1	71	192	-4.89e-02	-0.88	-0.38	-0.55	0.41	875.18	258.49	853.29	280.38	-114.12
1	71	193	1.96	-0.41	1.95	-0.40	-0.20	762.29	390.32	496.63	655.98	-168.06
1	71	194	1.07	-1.66	0.38	-0.97	1.19	745.00	7.40	486.89	265.50	-351.79
1	71	195	3.61	-4.05	-0.41	-3.49e-02	3.82	926.94	-78.40	525.68	322.86	-492.33
1	71	196	2.74	-3.02	2.59	-2.86	0.94	558.67	-793.52	-464.93	230.09	-579.95
1	71	197	8.11	-3.90	8.11	-3.89	-6.89e-02	813.01	-1256.15	-1256.13	812.99	7.35
1	71	198	2.76	-3.01	2.54	-2.80	-1.09	580.53	-780.16	-436.65	237.02	591.11
1	71	199	1.18	-1.44	0.58	-0.84	-1.10	760.45	1.24	502.87	258.82	359.46
1	71	200	8.22e-02	-0.76	-0.16	-0.51	-0.38	894.31	237.50	870.74	261.07	122.18
1	71	201	1.47	-0.96	0.89	-0.38	-1.04	755.73	155.03	707.74	203.03	162.86
1	71	202	0.33	-1.01	-0.14	-0.54	0.64	878.60	231.82	855.73	254.70	-119.46
1	71	203	2.05	-1.37	1.19	-0.51	-1.48	643.34	-127.35	307.20	208.78	382.19
1	71	204	1.83	-2.61	0.37	-1.15	2.09	711.37	-35.71	441.95	233.71	-358.74
1	71	205	4.78	-2.68	4.72	-2.62	-0.67	519.27	-943.11	-614.22	190.38	610.57
1	71	206	3.81	-3.84	3.62	-3.65	1.18	522.88	-912.00	-586.93	197.81	-600.64
1	71	207	9.84	-4.63	9.79	-4.58	-0.85	786.51	-1435.78	-1435.77	786.51	3.02
1	71	208	1.89	-0.33	1.22	0.33	1.02	858.51	218.79	855.96	221.35	40.32
1	71	209	2.13	0.39	0.49	2.02	0.42	930.74	185.73	840.39	276.08	243.21
1	71	210	2.22	-0.82	2.10	-0.70	-0.59	537.14	284.85	511.24	310.75	76.58
1	71	211	2.11	0.45	0.56	2.00	-0.40	929.92	186.06	840.04	275.93	-242.44
1	71	212	1.90	-0.33	1.22	0.35	-1.02	859.13	218.82	856.46	221.49	-41.22
1	71	213	2.46	-1.90	2.33	-1.77	0.74	650.81	137.48	216.94	571.36	-185.67
1	71	214	2.87	-0.49	2.87	-0.49	9.18e-02	813.62	-393.51	-360.42	780.52	-197.13
1	71	215	6.84	1.71	6.84	1.71	-6.93e-02	967.94	-643.13	-643.11	967.92	5.37
1	71	216	3.59	1.13	3.53	1.20	0.39	762.92	-409.39	-376.51	730.04	193.57
1	71	217	3.16	-0.59	3.11	-0.55	-0.42	533.68	89.90	168.62	454.97	169.52
1	71	218	1.51	-1.88	1.44	-1.81	0.48	630.61	409.66	608.13	432.14	-66.79
1	71	219	2.28	-0.77	2.18	-0.67	-0.53	568.29	263.70	550.11	281.88	72.16
1	71	220	1.33	-1.63	1.32	-1.62	-0.19	646.77	418.23	631.72	433.28	56.68
1	71	221	1.54	-1.69e-02	1.38	0.15	-0.48	703.05	259.99	702.30	260.74	-18.17
1	71	222	1.83	-1.29	1.78	-1.24	-0.40	652.89	214.49	300.67	566.71	174.23
1	71	223	1.01	0.64	0.83	0.82	-0.19	718.62	346.77	687.11	378.28	-103.56
1	71	224	2.04	5.86e-02	2.03	7.14e-02	0.16	816.33	-263.69	-227.35	779.99	194.75
1	71	225	5.19	1.51	5.19	1.51	-4.55e-02	970.50	-483.59	-483.59	970.49	-1.30
1	71	226	2.14	0.23	2.11	0.27	-0.25	806.18	-248.42	-216.78	774.54	-179.92
1	71	227	1.96	-1.09	1.93	-1.06	0.32	624.60	232.62	316.58	540.64	-160.81
1	71	228	1.42	-1.50	1.41	-1.49	0.17	667.78	376.99	655.02	389.74	-59.55
1	71	229	1.01	0.64	0.83	0.82	0.19	718.33	347.04	686.99	378.37	103.21
1	71	230	1.57	-1.72	1.51	-1.66	-0.43	651.74	368.64	638.18	382.20	60.46
1	71	231	2.50	-1.70	2.39	-1.59	-0.69	610.65	159.40	249.39	520.66	180.31
1	71	232	2.92	-9.96e-02	2.92	-9.86e-02	-5.39e-02	781.04	-383.88	-347.83	744.98	201.74
1	71	233	6.89	1.58	6.88	1.59	0.21	933.25	-657.03	-657.03	933.24	-3.55
1	71	234	3.29	0.88	3.22	0.95	-0.41	752.19	-437.65	-400.08	714.62	-208.08
1	71	235	1.54	-1.65e-02	1.38	0.15	0.48	702.95	260.04	702.21	260.79	18.17
1	71	236	3.03	-0.67	2.98	-0.62	0.41	544.76	54.25	122.62	476.40	-169.89
1	71	237	2.28	-0.77	2.18	-0.67	0.53	568.26	263.72	550.10	281.89	-72.13
1	71	238	2.21	-0.82	2.09	-0.70	0.60	540.12	282.52	513.48	309.15	-78.43
1	71	239	3.15	-0.60	3.10	-0.55	0.42	533.69	90.17	168.80	455.07	-169.38
1	71	240	1.46	-4.19e-02	1.30	0.12	0.46	675.29	287.80	674.78	288.31	14.06
1	71	241	3.58	1.15	3.52	1.21	-0.39	762.81	-411.35	-377.34	728.80	-196.93
1	71	242	6.76	1.68	6.76	1.68	8.33e-02	966.50	-645.74	-645.72	966.48	-5.41
1	71	243	2.84	-0.54	2.84	-0.54	-6.99e-02	816.69	-384.65	-354.39	786.43	188.25
1	71	244	0.91	0.56	0.88	0.58	8.84e-02	703.87	354.79	667.89	390.77	106.13
1	71	245	2.51	-1.88	2.38	-1.75	-0.73	650.66	137.12	215.88	571.90	185.04
1	71	246	1.51	-1.88	1.44	-1.82	-0.47	630.18	409.97	607.96	432.18	66.32
1	71	247	1.35	-1.65	1.34	-1.64	0.18	643.46	420.78	628.89	435.34	-55.06
1	71	248	0.91	0.56	0.89	0.58	-8.57e-02	701.17	357.69	666.04	392.83	-104.09
1	71	249	1.83	-1.29	1.78	-1.23	0.39	652.88	214.47	300.79	566.56	-174.34

1	71	250	2.00	7.87e-02	1.98	9.19e-02	-0.16	816.76	-263.56	-226.86	780.06	-195.70
1	71	251	5.27	1.42	5.27	1.42	4.96e-02	966.86	-492.32	-492.32	966.86	0.78
1	71	252	2.12	0.28	2.09	0.31	0.23	805.40	-252.52	-218.70	771.59	186.09
1	71	253	1.94	-1.11	1.90	-1.07	-0.33	626.30	230.35	318.74	537.91	164.89
1	71	254	1.43	-1.51	1.42	-1.50	-0.17	665.59	378.94	653.33	391.21	58.01
1	71	255	1.57	-1.71	1.51	-1.66	0.43	651.67	368.71	638.19	382.19	-60.27
1	71	256	3.04	-0.67	2.99	-0.63	-0.43	545.46	53.00	124.11	474.35	173.10
1	73	1	9.37	-0.28	-3.16e-02	9.12	1.54	-770.58	-1329.14	-1013.25	-1086.47	276.87
1	73	3	9.19	-0.89	-0.59	8.88	-1.72	-773.84	-1330.23	-1017.79	-1086.28	-276.08
1	73	5	8.41	-8.43e-02	8.14	0.19	1.49	-2043.93	-3361.70	-3361.13	-2044.49	-27.25
1	73	7	8.41	-0.11	8.14	0.17	-1.50	-2040.95	-3362.24	-3361.71	-2041.48	26.47
1	73	9	3.84	-0.26	3.84	-0.26	-5.00e-02	-1921.59	-3254.05	-3254.01	-1921.63	-7.30
1	73	11	3.85	-0.26	3.85	-0.26	5.09e-02	-1921.60	-3254.09	-3254.05	-1921.64	7.29
1	73	13	8.91	0.11	8.68	0.33	-1.39	-2052.31	-3390.53	-3390.49	-2052.35	-6.93
1	73	15	8.89	0.11	8.66	0.34	1.40	-2054.49	-3389.93	-3389.90	-2054.52	6.37
1	73	17	7.97	-1.14	-0.61	7.43	-2.15	-770.80	-1389.67	-1032.82	-1127.65	-305.78
1	73	19	8.13	-0.74	-0.24	7.63	2.05	-769.41	-1389.42	-1030.69	-1128.14	306.15
1	73	21	11.32	-5.57	2.73	3.02	8.45	-291.97	-616.14	-340.49	-567.62	115.65
1	73	22	24.38	-19.12	7.74	-2.48	21.15	378.36	-2456.59	-2405.28	327.05	377.93
1	73	23	6.45	4.12	4.18	6.38	-0.39	517.08	-2600.57	-2600.56	517.07	-3.84
1	73	24	23.78	-18.51	8.54	-3.27	-20.30	340.90	-2403.77	-2347.93	285.06	-387.49
1	73	25	14.41	-4.46	1.87	8.08	-8.91	-344.62	-609.77	-428.00	-526.38	-123.11
1	73	26	15.03	-3.88	2.88	8.28	9.06	-343.09	-611.40	-423.90	-530.59	123.10
1	73	27	23.80	-18.44	8.54	-3.18	20.29	335.68	-2404.00	-2348.16	279.84	387.13
1	73	28	6.44	4.11	4.18	6.38	0.39	517.08	-2600.49	-2600.48	517.08	3.84
1	73	29	24.40	-19.11	7.79	-2.50	-21.14	382.12	-2456.64	-2405.37	330.85	-378.01
1	73	30	10.56	-6.09	1.73	2.73	-8.31	-292.80	-613.29	-342.87	-563.22	-116.36
1	73	31	4.06	-11.26	1.31	-8.51	-5.88	186.84	-743.06	-387.65	-168.57	451.86
1	73	32	-0.33	-3.52	-0.79	-3.06	-1.12	642.84	-187.85	454.85	0.14	347.59
1	73	33	1.18e-02	-0.17	1.02e-02	-0.17	1.71e-02	858.30	43.04	828.05	73.28	154.09
1	73	34	0.39	-0.12	0.30	-2.73e-02	0.19	947.01	73.54	942.75	77.80	-60.87
1	73	35	5.97	0.54	1.92	4.59	-2.36	1036.72	36.93	955.15	118.51	-273.69
1	73	36	7.13	-7.77	-4.49	3.85	6.17	855.66	-151.75	669.69	34.22	-390.85
1	73	37	6.40	-11.69	2.40	-7.70	7.51	805.15	-127.74	92.96	584.45	-396.46
1	73	38	1.28	-1.18	0.74	-0.64	-1.02	937.47	130.27	168.69	899.04	-171.87
1	73	39	1.32	-1.19	0.79	-0.65	1.03	937.29	129.53	168.04	898.78	172.11
1	73	40	6.32	-11.59	2.35	-7.62	-7.44	803.76	-128.41	91.94	583.40	396.05
1	73	41	7.07	-7.83	-4.64	3.88	-6.11	855.50	-152.61	668.96	33.93	391.48
1	73	42	5.88	0.42	1.87	4.43	2.42	1034.36	37.60	952.80	119.17	273.22
1	73	43	0.38	-7.49e-02	0.30	5.46e-03	-0.17	948.13	73.50	943.82	77.81	61.27
1	73	44	2.28e-02	-9.68e-02	2.28e-02	-9.67e-02	-2.92e-03	858.73	43.16	828.52	73.37	-154.03
1	73	45	-0.32	-3.43	-0.76	-3.00	1.08	641.90	-188.02	454.32	-0.44	-347.12
1	73	46	3.84	-11.11	1.25	-8.52	5.66	185.16	-744.54	-388.95	-170.42	-451.83
1	73	47	10.49	-11.82	10.30	-11.63	-2.08	169.94	-653.28	-188.62	-294.71	408.18
1	73	48	0.35	-4.27	-4.16	0.25	-0.69	719.55	-130.28	561.99	27.27	330.26
1	73	49	-1.04e-02	-0.74	-0.68	-7.45e-02	-0.21	987.77	74.53	971.92	90.39	119.27
1	73	50	-0.22	-0.46	-0.36	-0.31	0.12	1002.29	73.50	984.91	90.88	-125.86
1	73	51	-2.15e-02	-3.83	-2.69	-1.15	1.74	769.20	-125.27	613.53	30.41	-339.14
1	73	52	6.17	-7.01	6.13	-6.97	-0.73	327.23	-651.06	-132.94	-190.89	-488.28
1	73	53	6.71	-7.68	6.64	-7.60	1.07	282.10	-649.24	-156.47	-210.67	464.88
1	73	54	-0.16	-4.14	-2.97	-1.33	-1.82	736.96	-119.87	590.79	26.30	322.30
1	73	55	-0.24	-0.50	-0.43	-0.31	-0.11	978.31	78.17	963.78	92.70	113.43
1	73	56	-2.25e-02	-0.77	-0.73	-6.18e-02	0.17	958.52	72.75	939.89	91.38	-127.11
1	73	57	4.93e-02	-4.57	-4.39	-0.13	0.89	671.76	-144.37	507.51	19.88	-327.22
1	73	58	10.95	-12.42	10.82	-12.29	1.74	105.79	-674.94	-252.61	-316.53	-389.05
1	73	59	4.36	-11.62	1.62	-8.88	-6.02	253.67	-726.97	-309.47	-163.83	484.89
1	73	60	-9.11e-02	-3.61	-1.18	-2.52	-1.63	690.13	-176.38	502.39	11.36	356.97
1	73	61	0.16	-0.40	9.17e-02	-0.33	-0.18	874.40	39.94	844.42	69.92	155.30
1	73	62	0.36	8.01e-02	0.36	8.02e-02	6.23e-03	959.42	81.04	955.34	85.12	-59.71
1	73	63	4.56	0.87	2.99	2.44	-1.82	1060.66	26.90	975.62	111.94	-284.04
1	73	64	9.10	-6.80	-4.77	7.07	5.31	918.35	-157.49	715.30	45.56	-420.98
1	73	65	6.75	-12.61	2.28	-8.14	8.16	838.53	-140.37	92.97	605.18	-417.10
1	73	66	1.07	-1.22	0.68	-0.83	-0.86	969.31	135.44	176.25	928.50	-179.91
1	73	67	1.09	-1.21	0.71	-0.83	0.86	969.21	135.23	175.97	928.47	179.77
1	73	68	6.65	-12.55	2.20	-8.10	-8.10	838.16	-140.77	92.46	604.94	417.03
1	73	69	9.11	-6.82	-4.79	7.08	-5.32	918.42	-157.48	715.11	45.83	421.20
1	73	70	4.56	0.85	3.00	2.42	1.83	1060.50	26.93	975.46	111.98	284.02
1	73	71	0.35	0.10	0.35	0.10	-2.01e-04	959.41	81.01	955.33	85.09	59.69
1	73	72	0.16	-0.37	8.87e-02	-0.30	0.18	874.37	39.93	844.40	69.89	-155.26
1	73	73	-6.75e-02	-3.55	-1.17	-2.45	1.62	689.73	-176.38	502.21	11.14	-356.72
1	73	74	4.26	-11.51	1.63	-8.88	5.88	252.31	-727.57	-310.40	-164.87	-484.51
1	73	75	11.05	-12.56	10.94	-12.45	-1.65	106.34	-674.53	-250.56	-317.64	388.99
1	73	76	9.70e-02	-4.65	-4.50	-4.71e-02	-0.81	671.72	-144.14	507.38	20.20	327.22
1	73	77	-3.87e-02	-0.80	-0.75	-8.74e-02	-0.19	958.41	72.91	939.81	91.51	126.98
1	73	78	-0.26	-0.50	-0.44	-0.32	0.11	978.34	78.16	963.79	92.71	-113.50
1	73	79	-0.16	-4.14	-2.97	-1.34	1.81	737.04	-119.94	590.80	26.30	-322.40

1	73	80	6.71	-7.67	6.63	-7.60	-1.06	282.11	-649.32	-156.49	-210.73	-464.92
1	73	81	6.17	-7.01	6.13	-6.97	0.73	327.10	-651.06	-133.03	-190.93	488.23
1	73	82	-1.61e-02	-3.83	-2.70	-1.15	-1.74	769.22	-125.35	613.51	30.36	339.19
1	73	83	-0.20	-0.46	-0.35	-0.31	-0.13	1002.33	73.49	984.94	90.88	125.90
1	73	84	6.56e-03	-0.70	-0.65	-4.67e-02	0.19	987.95	74.41	972.09	90.27	-119.32
1	73	85	0.30	-4.18	-4.04	0.16	0.78	719.64	-130.42	562.22	26.99	-330.21
1	73	86	10.38	-11.69	10.16	-11.46	2.20	169.19	-653.75	-190.90	-293.66	-408.25
1	73	87	5.41	-8.61	-7.73	4.53	-3.40	148.15	-177.66	-174.82	145.30	-30.31
1	73	88	19.85	6.59	10.67	15.77	6.12	865.43	143.19	797.00	211.62	211.52
1	73	89	-1.63	-5.48	-2.76	-4.35	-1.75	1016.55	-96.13	1011.97	-91.55	71.21
1	73	90	-0.44	-0.79	-0.73	-0.50	-0.14	1014.24	-19.23	1014.06	-19.05	13.75
1	73	91	0.17	-0.44	-0.43	0.15	-9.57e-02	915.61	-16.50	911.61	-12.50	-60.95
1	73	92	4.14	0.47	1.02	3.59	-1.31	671.76	-10.30	629.32	32.15	-164.76
1	73	93	3.60	-4.35	3.60	-4.35	2.01e-02	47.14	-377.02	-147.64	-182.24	-211.37
1	73	94	1.36	-42.86	-9.50	-32.00	-19.03	-600.03	-1592.12	-1452.83	-739.32	-344.65
1	73	95	12.90	1.54	8.28	6.16	5.58	600.85	-64.95	490.45	45.45	247.62
1	73	96	1.14	6.21e-02	0.74	0.46	0.52	1002.16	-30.48	995.57	-23.89	82.22
1	73	97	0.81	7.32e-02	0.25	0.64	-0.31	1069.86	-20.48	1068.55	-19.17	-37.79
1	73	98	8.27	1.32	3.75	5.84	-3.31	786.87	2.40	743.23	46.04	-179.81
1	73	99	1.98	-21.65	-1.09	-18.57	7.95	-410.64	-478.88	-410.68	-478.84	1.72
1	73	100	2.14	-20.00	-0.51	-17.36	-7.18	-353.43	-460.37	-358.79	-455.01	23.34
1	73	101	7.78	1.23	3.49	5.52	3.11	808.54	-3.57e-02	764.98	43.53	182.56
1	73	102	0.77	2.10e-02	0.19	0.61	0.31	1092.65	-19.89	1091.10	-18.34	41.57
1	73	103	0.97	1.89e-02	0.63	0.36	-0.46	1036.71	-29.43	1030.71	-23.43	-79.75
1	73	104	12.62	1.25	7.76	6.11	-5.62	643.64	-61.50	541.83	40.31	-247.84
1	73	105	1.24	-41.24	-8.94	-31.05	18.14	-584.39	-1519.15	-1388.25	-715.29	324.38
1	73	106	5.37	-1.68	3.74	-4.98e-02	2.97	192.31	-308.07	-8.09	-107.67	245.18
1	73	107	3.87	0.20	0.58	3.48	1.12	749.80	1.25	723.03	28.01	138.99
1	73	108	0.20	-0.56	-0.56	0.20	-1.97e-02	965.31	-14.43	964.64	-13.76	25.58
1	73	109	-1.23	-4.19	-1.56	-3.86	0.94	1041.06	-64.66	1036.40	-60.01	-71.61
1	73	110	18.16	3.83	6.65	15.34	-5.70	924.47	170.26	860.62	234.11	-209.95
1	73	111	6.23	-7.80	-7.10	5.53	3.06	107.48	-65.61	-59.98	101.84	30.71
1	73	112	-1.85	-26.46	-11.93	-16.39	12.10	143.72	-671.65	116.30	-644.23	146.98
1	73	113	15.61	5.33	12.37	8.57	-4.78	714.71	4.72	101.58	617.84	-243.70
1	73	114	-2.09	-6.71	-2.28	-6.51	0.94	967.23	-82.98	-80.16	964.41	-54.33
1	73	115	-2.20	-6.70	-2.40	-6.51	-0.91	967.29	-82.48	-79.61	964.43	54.75
1	73	116	15.45	5.34	12.25	8.54	4.70	715.77	5.50	102.50	618.77	243.90
1	73	117	-2.69	-26.58	-12.50	-16.77	-11.75	139.27	-673.92	111.37	-646.02	-148.00
1	73	118	6.24	-8.42	-7.81	5.63	-2.92	106.86	-70.80	-65.22	101.28	-30.98
1	73	119	18.24	4.27	6.86	15.64	5.43	926.28	173.79	863.10	236.97	208.69
1	73	120	-1.10	-4.09	-1.48	-3.72	-0.98	1043.57	-65.64	1038.88	-60.95	71.98
1	73	121	6.04e-02	-0.62	-0.61	5.67e-02	-4.97e-02	965.81	-14.68	965.15	-14.02	-25.39
1	73	122	3.68	0.11	0.51	3.28	-1.13	751.50	2.28	724.45	29.33	-139.78
1	73	123	5.24	-1.26	3.91	6.91e-02	-2.62	195.12	-304.16	-4.76	-104.28	-244.63
1	73	124	1.26	-41.21	-9.24	-30.70	-18.33	-583.15	-1522.15	-1392.49	-712.81	-323.94
1	73	125	12.38	1.38	7.97	5.80	5.39	643.37	-61.11	541.87	40.39	247.39
1	73	126	1.05	3.17e-02	0.67	0.41	0.49	1037.12	-29.92	1031.09	-23.89	80.02
1	73	127	0.78	4.45e-02	0.20	0.62	-0.30	1092.66	-19.95	1091.10	-18.39	-41.54
1	73	128	7.78	1.24	3.48	5.54	-3.10	808.52	-4.21e-02	764.97	43.51	-182.54
1	73	129	2.15	-19.99	-0.49	-17.35	7.18	-353.44	-460.45	-358.79	-455.09	-23.33
1	73	130	1.97	-21.66	-1.11	-18.58	-7.95	-410.55	-478.83	-410.60	-478.79	-1.73
1	73	131	8.27	1.32	3.76	5.83	3.32	786.86	2.43	743.23	46.06	179.77
1	73	132	0.81	5.30e-02	0.24	0.62	0.33	1069.81	-20.42	1068.50	-19.11	37.77
1	73	133	1.06	4.97e-02	0.70	0.41	-0.49	1001.72	-30.01	995.16	-23.44	-82.01
1	73	134	13.09	1.43	8.07	6.45	-5.78	600.82	-65.28	490.12	45.43	-247.96
1	73	135	1.32	-42.98	-9.28	-32.38	18.90	-601.07	-1590.04	-1449.54	-741.57	345.26
1	73	136	3.60	-4.36	3.59	-4.35	0.26	44.26	-378.81	-149.93	-184.61	210.82
1	73	137	4.31	0.54	1.07	3.78	1.31	671.15	-10.35	628.95	31.84	164.25
1	73	138	0.24	-0.44	-0.43	0.22	9.26e-02	915.58	-16.48	911.58	-12.48	60.88
1	73	139	-0.39	-0.78	-0.73	-0.44	0.13	1014.24	-19.26	1014.06	-19.08	-13.65
1	73	140	-1.64	-5.48	-2.74	-4.38	1.74	1016.26	-96.11	1011.68	-91.54	-71.21
1	73	141	19.79	6.52	10.64	15.67	-6.14	864.70	143.34	796.26	211.78	-211.39
1	73	142	5.29	-8.39	-7.46	4.37	3.44	147.08	-175.74	-172.94	144.28	29.94
1	73	143	-2.01	-30.69	-13.52	-19.18	14.06	140.89	-659.15	105.87	-624.13	163.68
1	73	144	15.80	4.90	12.59	8.12	-4.97	742.08	-2.41	101.58	638.09	-258.08
1	73	145	-2.10	-7.38	-2.27	-7.21	0.94	1000.91	-85.11	-82.00	997.80	-57.99
1	73	146	-2.22	-7.38	-2.39	-7.22	-0.91	1001.18	-84.45	-81.31	998.03	58.33
1	73	147	15.64	4.92	12.50	8.05	4.88	743.80	-1.68	102.29	639.83	258.26
1	73	148	-2.66	-30.70	-13.91	-19.45	-13.74	137.30	-661.92	101.83	-626.45	-164.60
1	73	149	1.23	4.01e-03	1.10	0.13	-0.37	561.63	215.63	560.84	216.43	-16.56
1	73	150	2.09	-1.37	1.99	-1.27	0.58	481.63	122.57	205.19	399.00	-151.13
1	73	151	2.74	0.76	2.69	0.81	0.32	594.49	-379.36	-347.15	562.28	174.16
1	73	152	2.43	-3.58e-02	2.43	-3.49e-02	4.80e-02	618.35	-330.38	-299.02	586.98	-169.62
1	73	153	5.75	1.34	5.74	1.35	-0.18	745.13	-561.57	-561.57	745.12	2.48
1	73	154	3.20	-3.19	3.10	-3.10	0.78	408.07	-807.84	-545.31	145.53	-500.29
1	73	155	8.60	-3.88	8.55	-3.83	-0.78	662.13	-1206.55	-1206.38	661.96	17.91

1	73	156	4.02	-2.24	3.93	-2.14	-0.75	451.95	-768.81	-475.03	158.17	521.85
1	73	157	1.47	-2.41	8.15e-02	-1.03	1.86	574.39	-54.39	335.48	184.53	-305.20
1	73	158	1.87	-0.86	1.28	-0.27	-1.13	545.69	-99.14	289.90	156.65	315.46
1	73	159	0.20	-0.94	-0.31	-0.44	0.57	718.32	187.30	696.11	209.50	-106.29
1	73	160	1.22	-0.64	0.85	-0.26	-0.74	642.94	110.32	611.08	142.18	126.30
1	73	161	-1.08e-02	-0.71	-0.30	-0.42	-0.34	735.33	195.07	716.18	214.22	99.89
1	73	162	1.49	-0.25	1.15	9.15e-02	-0.69	736.63	152.40	732.70	156.33	-47.76
1	73	163	0.91	-1.32	0.32	-0.73	-0.99	621.99	-14.19	404.04	203.75	301.91
1	73	164	2.32	0.26	0.71	1.87	-0.85	813.36	132.19	726.64	218.91	-227.05
1	73	165	2.34	-2.52	2.18	-2.36	-0.87	459.23	-690.75	-406.83	175.31	495.87
1	73	166	3.16	-3.39	-0.71	0.48	3.22	833.02	-96.43	468.58	268.01	-453.78
1	73	167	7.10	-3.34	7.10	-3.34	5.65e-02	673.81	-1078.65	-1078.63	673.79	-6.54
1	73	168	2.32	-2.54	2.12	-2.34	0.97	478.31	-679.91	-382.48	180.88	-505.99
1	73	169	0.99	-1.15	0.48	-0.63	0.91	636.25	-20.40	418.27	197.58	-309.23
1	73	170	1.58	-6.08e-02	1.55	-2.60e-02	-0.24	662.70	328.92	431.48	560.14	-153.99
1	73	171	8.75e-02	-0.61	-0.13	-0.39	0.32	753.58	176.41	732.94	197.04	-107.16
1	73	172	1.57	-5.83e-02	1.54	-2.46e-02	0.23	662.76	328.48	432.23	559.01	154.66
1	73	173	0.27	-0.81	-0.12	-0.42	-0.52	738.07	173.02	720.47	190.62	98.16
1	73	174	3.13	-3.39	-0.69	0.43	-3.21	833.05	-96.40	468.78	267.87	453.74
1	73	175	1.53	-2.11	0.32	-0.90	-1.72	588.64	-45.15	370.62	172.87	301.08
1	73	176	3.14	-3.16	2.96	-2.98	-1.04	421.38	-774.70	-496.06	142.74	505.60
1	73	177	8.30	-3.86	8.26	-3.82	0.69	636.83	-1211.52	-1211.52	636.83	-2.12
1	73	178	2.31	0.26	0.71	1.87	0.85	813.42	132.17	726.66	218.93	227.10
1	73	179	3.93	-2.20	3.88	-2.15	0.56	415.96	-802.25	-523.06	136.77	-512.02
1	73	180	1.49	-0.25	1.15	9.22e-02	0.69	736.62	152.40	732.69	156.33	47.76
1	73	181	1.62	-1.13	0.92	-0.43	1.20	524.99	-119.80	252.57	152.62	-318.50
1	73	182	1.22	-0.64	0.85	-0.26	0.74	642.93	110.32	611.07	142.18	-126.30
1	73	183	1.17	-0.77	0.70	-0.30	0.84	627.79	114.20	592.21	149.79	-130.41
1	73	184	1.86	-0.88	1.27	-0.28	1.13	545.74	-99.19	289.96	156.60	-315.50
1	73	185	4.00	-2.23	3.91	-2.13	0.77	451.96	-768.62	-474.85	158.20	-521.79
1	73	186	8.57	-3.88	8.52	-3.83	0.77	661.44	-1206.34	-1206.17	661.26	-18.12
1	73	187	3.36	-3.66	-0.25	-5.29e-02	-3.51	802.31	-97.91	437.02	267.38	442.04
1	73	188	3.11	-3.25	3.02	-3.16	-0.75	409.16	-807.95	-544.68	145.90	501.11
1	73	189	1.51	-2.41	0.10	-1.00	-1.88	573.99	-54.48	334.94	184.57	305.11
1	73	190	0.19	-0.94	-0.31	-0.44	-0.56	718.34	187.20	696.14	209.40	106.30
1	73	191	1.75	-0.25	1.73	-0.23	0.18	651.64	319.48	415.78	555.34	150.71
1	73	192	-1.62e-02	-0.71	-0.31	-0.42	0.34	735.03	195.09	715.82	214.30	-100.02
1	73	193	1.74	-0.24	1.73	-0.22	-0.18	649.29	321.24	417.18	553.35	-149.22
1	73	194	0.92	-1.32	0.32	-0.73	0.99	622.20	-14.34	404.17	203.68	-302.07
1	73	195	3.23	-3.57	-0.33	-6.00e-03	3.40	802.24	-90.22	440.59	271.43	-438.14
1	73	196	2.32	-2.53	2.16	-2.37	0.87	459.66	-690.39	-406.24	175.51	-496.03
1	73	197	7.04	-3.36	7.04	-3.36	-5.60e-02	672.33	-1080.33	-1080.31	672.31	6.43
1	73	198	2.33	-2.53	2.12	-2.32	-0.99	478.29	-679.75	-382.32	180.86	505.93
1	73	199	1.00	-1.14	0.49	-0.63	-0.91	636.52	-20.43	418.79	197.30	309.24
1	73	200	8.54e-02	-0.61	-0.13	-0.39	-0.32	753.39	176.46	732.69	197.16	107.30
1	73	201	1.18	-0.77	0.71	-0.31	-0.83	627.72	114.20	592.02	149.90	130.60
1	73	202	0.28	-0.81	-0.12	-0.41	0.52	738.15	173.02	720.55	190.63	-98.19
1	73	203	1.66	-1.11	0.96	-0.40	-1.21	524.94	-119.53	252.88	152.53	318.30
1	73	204	1.52	-2.10	0.31	-0.89	1.71	588.71	-45.12	370.79	172.79	-301.06
1	73	205	3.95	-2.21	3.90	-2.16	-0.56	415.71	-802.33	-523.32	136.69	511.86
1	73	206	3.15	-3.17	2.97	-3.00	1.04	421.32	-774.45	-495.94	142.81	-505.44
1	73	207	8.26	-3.87	8.22	-3.83	-0.69	636.91	-1211.99	-1211.99	636.91	1.76
1	73	208	1.55	-0.24	1.01	0.30	0.82	723.24	166.30	719.59	169.95	44.95
1	73	209	1.87	0.32	0.39	1.81	0.31	795.47	137.68	709.47	223.69	221.76
1	73	210	1.85	-0.67	1.76	-0.57	-0.48	438.79	210.12	420.65	228.26	61.80
1	73	211	1.85	0.38	0.44	1.79	-0.29	794.70	137.95	709.14	223.52	-221.07
1	73	212	1.56	-0.23	1.01	0.32	-0.83	723.79	166.35	720.01	170.13	-45.73
1	73	213	2.06	-1.53	1.95	-1.42	0.61	514.66	105.11	176.44	443.33	-155.32
1	73	214	2.40	-0.36	2.40	-0.36	7.61e-02	646.75	-338.65	-310.11	618.21	-165.27
1	73	215	5.71	1.46	5.71	1.46	-5.52e-02	774.72	-549.60	-549.58	774.71	4.57
1	73	216	2.98	0.96	2.92	1.02	0.32	603.55	-354.65	-326.34	575.23	162.28
1	73	217	2.62	-0.48	2.58	-0.44	-0.35	416.01	61.99	132.68	345.31	141.53
1	73	218	1.27	-1.52	1.22	-1.47	0.39	521.64	312.34	506.01	327.97	-55.02
1	73	219	1.89	-0.63	1.82	-0.55	-0.43	467.56	190.25	454.64	203.17	58.44
1	73	220	1.14	-1.32	1.13	-1.31	-0.16	537.03	319.25	525.15	331.13	49.47
1	73	221	1.30	1.26e-02	1.17	0.14	-0.39	585.21	191.09	584.25	192.05	-19.44
1	73	222	1.56	-1.02	1.52	-0.97	-0.34	525.76	164.48	243.45	446.79	149.31
1	73	223	0.88	0.60	0.73	0.75	-0.14	602.75	273.07	573.66	302.16	-93.51
1	73	224	1.75	0.12	1.74	0.13	0.13	661.55	-237.54	-205.63	629.65	166.34
1	73	225	4.46	1.34	4.46	1.34	-3.95e-02	792.29	-423.59	-423.59	792.28	-1.25
1	73	226	1.83	0.26	1.80	0.29	-0.20	652.35	-224.32	-196.41	624.44	-153.91
1	73	227	1.67	-0.86	1.64	-0.83	0.27	501.73	179.74	257.86	423.61	-138.03
1	73	228	1.21	-1.21	1.20	-1.20	0.15	556.73	282.66	546.48	292.91	-51.99
1	73	229	0.88	0.60	0.73	0.75	0.14	602.49	273.30	573.56	302.23	93.20
1	73	230	1.32	-1.39	1.27	-1.34	-0.35	542.77	274.64	533.21	284.21	49.74
1	73	231	2.09	-1.36	1.99	-1.27	-0.57	481.61	122.57	205.17	399.01	151.10

1	73	232	2.44	-3.32e-02	2.43	-3.23e-02	-4.62e-02	618.34	-330.39	-299.03	586.99	169.60
1	73	233	5.75	1.34	5.75	1.35	0.17	745.10	-561.55	-561.55	745.09	-2.56
1	73	234	2.73	0.75	2.67	0.81	-0.33	594.57	-379.11	-346.91	562.37	-174.11
1	73	235	1.30	1.29e-02	1.17	0.14	0.39	585.13	191.13	584.17	192.09	19.44
1	73	236	2.51	-0.54	2.48	-0.50	0.33	424.10	32.36	92.83	363.63	-141.53
1	73	237	1.89	-0.63	1.82	-0.55	0.43	467.53	190.27	454.62	203.18	-58.42
1	73	238	1.85	-0.67	1.75	-0.57	0.49	441.28	208.32	422.59	227.01	-63.28
1	73	239	2.61	-0.48	2.57	-0.45	0.35	416.01	62.21	132.84	345.39	-141.42
1	73	240	1.23	-5.15e-04	1.11	0.12	0.37	560.75	215.61	559.98	216.38	16.25
1	73	241	2.97	0.97	2.92	1.03	-0.32	603.54	-356.31	-327.02	574.25	-165.11
1	73	242	5.65	1.43	5.65	1.43	6.69e-02	773.58	-551.78	-551.77	773.57	-4.59
1	73	243	2.38	-0.40	2.38	-0.40	-5.76e-02	649.03	-331.22	-305.11	622.92	157.82
1	73	244	0.79	0.54	0.78	0.55	5.29e-02	590.51	280.35	556.95	313.90	96.34
1	73	245	2.10	-1.51	1.99	-1.41	-0.61	514.45	104.85	175.54	443.76	154.79
1	73	246	1.28	-1.52	1.22	-1.47	-0.39	521.30	312.56	505.86	328.00	54.63
1	73	247	1.15	-1.33	1.14	-1.32	0.16	534.19	321.29	522.73	332.76	-48.06
1	73	248	0.80	0.54	0.79	0.55	-5.14e-02	588.11	282.91	555.36	315.66	-94.46
1	73	249	1.56	-1.02	1.51	-0.97	0.34	525.79	164.45	243.55	446.69	-149.42
1	73	250	1.71	0.13	1.70	0.14	-0.12	661.94	-237.43	-205.21	629.72	-167.16
1	73	251	4.53	1.26	4.53	1.26	4.30e-02	789.38	-431.01	-431.01	789.38	0.80
1	73	252	1.81	0.30	1.78	0.33	0.18	651.88	-227.86	-198.04	622.06	159.20
1	73	253	1.65	-0.87	1.62	-0.84	-0.28	503.57	177.56	259.72	421.41	141.54
1	73	254	1.22	-1.22	1.21	-1.21	-0.14	554.87	284.22	545.03	294.05	50.65
1	73	255	1.32	-1.38	1.27	-1.34	0.35	542.72	274.68	533.21	284.20	-49.59
1	73	256	2.52	-0.54	2.48	-0.51	-0.35	424.87	31.25	94.11	362.00	144.20
1	74	1	8.96	-0.17	8.37e-02	8.71	1.50	-744.44	-1285.88	-981.25	-1049.07	268.59
1	74	3	8.80	-0.74	-0.44	8.50	-1.67	-747.51	-1286.90	-985.57	-1048.84	-267.83
1	74	5	8.00	-9.73e-02	7.75	0.16	1.42	-1948.01	-3203.15	-3202.60	-1948.56	-26.12
1	74	7	8.00	-0.12	7.75	0.14	-1.42	-1945.18	-3203.66	-3203.15	-1945.69	25.37
1	74	9	3.70	-0.28	3.70	-0.28	-4.97e-02	-1839.79	-3116.65	-3116.61	-1839.83	-7.06
1	74	11	3.70	-0.28	3.70	-0.28	5.06e-02	-1839.81	-3116.68	-3116.64	-1839.85	7.05
1	74	13	8.49	8.74e-02	8.27	0.30	-1.33	-1955.96	-3230.38	-3230.34	-1956.00	-6.89
1	74	15	8.47	9.18e-02	8.25	0.31	1.34	-1958.04	-3229.80	-3229.77	-1958.07	6.35
1	74	17	7.63	-0.99	-0.46	7.09	-2.08	-744.40	-1343.48	-999.56	-1088.32	-296.23
1	74	19	7.78	-0.62	-0.12	7.28	1.98	-743.10	-1343.24	-997.53	-1088.81	296.58
1	74	21	10.95	-5.39	2.65	2.92	8.17	-284.29	-592.44	-332.33	-544.39	111.79
1	74	22	23.18	-18.32	7.27	-2.42	20.18	360.21	-2341.23	-2292.19	311.17	360.65
1	74	23	6.14	3.78	3.84	6.08	-0.38	495.33	-2491.67	-2491.66	495.32	-3.94
1	74	24	22.59	-17.71	8.04	-3.15	-19.36	324.81	-2290.80	-2237.54	271.54	-369.43
1	74	25	13.94	-4.33	1.85	7.76	-8.65	-334.32	-587.48	-416.83	-504.97	-118.66
1	74	26	14.50	-3.80	2.79	7.91	8.79	-332.84	-588.99	-412.78	-509.05	118.68
1	74	27	22.61	-17.64	8.04	-3.07	19.34	319.82	-2291.03	-2237.77	266.56	369.08
1	74	28	6.14	3.78	3.84	6.08	0.38	495.33	-2491.59	-2491.59	495.33	3.95
1	74	29	23.19	-18.32	7.32	-2.44	-20.17	363.79	-2341.28	-2292.29	314.79	-360.74
1	74	30	10.24	-5.87	1.70	2.66	-8.04	-285.09	-589.75	-334.66	-540.18	-112.45
1	74	31	3.84	-10.72	1.22	-8.10	-5.60	176.66	-708.17	-369.61	-161.89	430.05
1	74	32	-0.34	-3.34	-0.77	-2.91	-1.06	611.82	-178.87	434.03	-1.08	330.10
1	74	33	-1.17e-02	-0.16	-1.60e-02	-0.16	2.51e-02	818.57	40.94	790.76	68.76	144.43
1	74	34	0.36	-0.13	0.25	-2.54e-02	0.20	905.88	68.53	901.25	73.17	-62.13
1	74	35	5.70	0.50	1.80	4.40	-2.25	995.25	31.59	914.40	112.44	-267.16
1	74	36	6.86	-7.62	-4.40	3.65	6.02	822.64	-150.63	640.53	31.48	-379.57
1	74	37	6.22	-11.21	2.38	-7.36	7.23	775.85	-125.26	88.62	561.97	-383.39
1	74	38	1.26	-1.08	0.73	-0.54	-0.99	900.26	124.38	161.73	862.91	-166.08
1	74	39	1.31	-1.08	0.77	-0.55	1.00	900.09	123.68	161.11	862.66	166.31
1	74	40	6.14	-11.11	2.33	-7.29	-7.16	774.51	-125.90	87.65	560.96	382.99
1	74	41	6.82	-7.67	-4.54	3.69	-5.96	822.49	-151.46	639.84	31.20	380.18
1	74	42	5.62	0.38	1.75	4.25	2.30	992.99	32.24	912.15	113.09	266.72
1	74	43	0.35	-8.90e-02	0.25	5.74e-03	-0.18	906.97	68.48	902.28	73.17	62.52
1	74	44	-2.29e-03	-9.13e-02	-3.85e-03	-8.98e-02	-1.17e-02	819.00	41.05	791.21	68.84	-144.38
1	74	45	-0.32	-3.26	-0.73	-2.85	1.02	610.93	-179.04	433.53	-1.64	-329.65
1	74	46	3.64	-10.58	1.16	-8.11	5.39	175.07	-709.57	-370.86	-163.65	-430.02
1	74	47	9.97	-11.21	9.78	-11.02	-1.99	162.41	-622.96	-179.12	-281.44	389.34
1	74	48	0.35	-4.05	-3.96	0.25	-0.65	686.68	-124.82	537.07	24.80	314.68
1	74	49	-6.43e-03	-0.71	-0.65	-6.63e-02	-0.20	943.13	69.92	928.28	84.77	112.88
1	74	50	-0.21	-0.44	-0.35	-0.30	0.11	957.60	68.32	940.64	85.28	-121.62
1	74	51	-1.70e-02	-3.65	-2.57	-1.10	1.66	735.09	-122.29	585.15	27.65	-325.68
1	74	52	5.88	-6.69	5.84	-6.65	-0.69	312.27	-625.43	-129.53	-183.62	-468.07
1	74	53	6.41	-7.32	6.33	-7.24	1.01	269.01	-623.43	-152.00	-202.42	445.51
1	74	54	-0.15	-3.94	-2.83	-1.26	-1.73	703.80	-116.97	563.08	23.74	309.35
1	74	55	-0.23	-0.48	-0.41	-0.30	-0.11	933.81	72.80	919.63	86.98	109.57
1	74	56	-1.78e-02	-0.73	-0.70	-5.45e-02	0.16	914.18	68.18	896.70	85.67	-120.36
1	74	57	5.83e-02	-4.33	-4.16	-0.11	0.84	640.25	-138.22	484.29	17.73	-311.58
1	74	58	10.40	-11.77	10.28	-11.65	1.66	100.80	-643.39	-240.45	-302.14	-370.82
1	74	59	4.13	-11.08	1.51	-8.46	-5.74	240.70	-693.13	-294.92	-157.52	461.83
1	74	60	-0.10	-3.43	-1.14	-2.39	-1.55	657.40	-168.25	479.64	9.50	339.36
1	74	61	0.12	-0.37	5.99e-02	-0.31	-0.17	834.31	37.78	806.63	65.46	145.89

1	74	62	0.31	7.69e-02	0.30	7.84e-02	1.87e-02	918.13	75.94	913.71	80.36	-60.83
1	74	63	4.32	0.83	2.82	2.33	-1.73	1018.21	22.40	934.15	106.46	-276.85
1	74	64	8.76	-6.68	-4.67	6.75	5.19	882.80	-156.03	684.31	42.46	-408.41
1	74	65	6.55	-12.08	2.26	-7.78	7.84	807.44	-137.39	88.48	581.56	-402.98
1	74	66	1.06	-1.11	0.67	-0.72	-0.83	930.29	129.26	168.88	890.67	-173.69
1	74	67	1.08	-1.10	0.70	-0.72	0.83	930.20	129.06	168.61	890.64	173.56
1	74	68	6.46	-12.02	2.18	-7.74	-7.79	807.09	-137.77	87.98	581.33	402.92
1	74	69	8.77	-6.70	-4.69	6.76	-5.20	882.88	-156.01	684.14	42.72	408.62
1	74	70	4.33	0.82	2.83	2.32	1.73	1018.07	22.44	933.99	106.51	276.84
1	74	71	0.30	0.10	0.30	0.10	-1.30e-02	918.11	75.91	913.70	80.33	60.80
1	74	72	0.13	-0.35	5.71e-02	-0.28	0.17	834.28	37.77	806.61	65.44	-145.85
1	74	73	-7.74e-02	-3.38	-1.13	-2.33	1.54	657.02	-168.25	479.48	9.29	-339.11
1	74	74	4.03	-10.98	1.51	-8.46	5.61	239.39	-693.70	-295.80	-158.51	-461.47
1	74	75	10.50	-11.91	10.39	-11.80	-1.57	101.33	-643.00	-238.48	-303.18	370.76
1	74	76	0.10	-4.41	-4.27	-3.10e-02	-0.77	640.21	-138.01	484.17	18.04	311.59
1	74	77	-3.33e-02	-0.76	-0.72	-7.89e-02	-0.18	914.07	68.34	896.62	85.80	120.25
1	74	78	-0.24	-0.48	-0.42	-0.30	0.10	933.83	72.79	919.64	86.99	-109.64
1	74	79	-0.15	-3.94	-2.82	-1.27	1.73	703.88	-117.04	563.09	23.75	-309.44
1	74	80	6.40	-7.31	6.32	-7.24	-1.01	269.01	-623.51	-152.02	-202.48	-445.55
1	74	81	5.89	-6.69	5.85	-6.65	0.69	312.15	-625.43	-129.62	-183.66	468.01
1	74	82	-1.19e-02	-3.65	-2.58	-1.09	-1.66	735.11	-122.36	585.14	27.61	325.74
1	74	83	-0.19	-0.44	-0.34	-0.29	-0.12	957.64	68.31	940.67	85.27	121.66
1	74	84	9.96e-03	-0.67	-0.62	-3.97e-02	0.18	943.30	69.80	928.45	84.65	-112.93
1	74	85	0.29	-3.97	-3.84	0.16	0.74	686.77	-124.95	537.28	24.54	-314.64
1	74	86	9.85	-11.08	9.64	-10.87	2.10	161.69	-623.42	-181.29	-280.44	-389.41
1	74	87	5.04	-8.60	-7.64	4.09	-3.48	142.11	-180.59	-177.46	138.98	-31.67
1	74	88	19.11	6.31	10.24	15.17	5.91	829.74	135.28	762.07	202.94	205.94
1	74	89	-1.62	-5.27	-2.73	-4.16	-1.68	974.07	-92.51	969.44	-87.88	70.12
1	74	90	-0.42	-0.80	-0.75	-0.48	-0.13	970.70	-18.47	970.48	-18.26	14.50
1	74	91	0.16	-0.46	-0.44	0.15	-9.11e-02	875.21	-15.65	871.51	-11.95	-57.30
1	74	92	3.94	0.42	0.94	3.42	-1.25	641.53	-9.68	601.35	30.50	-156.69
1	74	93	3.45	-4.11	3.45	-4.11	9.65e-03	45.62	-359.30	-140.33	-173.35	-201.79
1	74	94	1.33	-40.72	-8.99	-30.40	-18.10	-570.80	-1515.03	-1382.98	-702.84	-327.48
1	74	95	12.26	1.46	7.86	5.86	5.31	573.04	-61.93	468.14	42.97	235.81
1	74	96	1.08	5.54e-02	0.70	0.44	0.49	956.45	-29.06	950.23	-22.83	78.10
1	74	97	0.78	6.37e-02	0.23	0.61	-0.30	1021.43	-19.62	1020.14	-18.33	-36.59
1	74	98	7.90	1.26	3.58	5.58	-3.16	751.29	1.80	709.23	43.86	-172.50
1	74	99	1.98	-20.68	-0.95	-17.75	7.60	-395.05	-457.86	-395.07	-457.85	0.96
1	74	100	2.12	-19.11	-0.39	-16.59	-6.86	-339.99	-440.88	-345.61	-435.26	23.13
1	74	101	7.43	1.17	3.33	5.28	2.97	772.47	-0.51	730.45	41.52	175.26
1	74	102	0.74	1.16e-02	0.17	0.58	0.30	1044.14	-19.09	1042.61	-17.56	40.25
1	74	103	0.91	1.31e-02	0.59	0.34	-0.43	990.52	-28.09	984.86	-22.42	-75.76
1	74	104	12.00	1.18	7.37	5.81	-5.35	614.71	-58.66	517.98	38.07	-236.18
1	74	105	1.22	-39.20	-8.47	-29.51	17.26	-556.19	-1445.50	-1321.48	-680.22	308.08
1	74	106	5.14	-1.59	3.58	-2.70e-02	2.84	183.67	-293.33	-7.31	-102.36	233.72
1	74	107	3.67	0.17	0.53	3.31	1.07	715.94	1.34	690.72	26.55	131.84
1	74	108	0.19	-0.58	-0.58	0.19	-1.81e-02	922.75	-13.75	922.18	-13.18	23.20
1	74	109	-1.24	-4.04	-1.57	-3.71	0.90	997.14	-62.26	992.40	-57.51	-70.72
1	74	110	17.56	3.63	6.37	14.82	-5.54	887.13	162.31	823.72	225.73	-204.80
1	74	111	5.74	-7.76	-7.00	4.98	3.11	102.65	-72.58	-66.71	96.78	31.53
1	74	112	-1.73	-25.26	-11.27	-15.72	11.55	138.89	-643.93	112.68	-617.73	140.81
1	74	113	15.12	5.19	11.96	8.35	-4.63	688.01	5.44	98.90	594.55	-234.65
1	74	114	-2.02	-6.40	-2.22	-6.20	0.91	928.91	-80.15	-77.43	926.19	-52.27
1	74	115	-2.14	-6.39	-2.33	-6.20	-0.88	928.97	-79.68	-76.92	926.21	52.67
1	74	116	14.96	5.20	11.84	8.32	4.55	689.01	6.18	99.78	595.41	234.84
1	74	117	-2.53	-25.38	-11.83	-16.08	-11.22	134.64	-646.04	107.99	-619.39	-141.76
1	74	118	5.74	-8.35	-7.69	5.08	-2.98	102.16	-77.44	-71.64	96.37	-31.73
1	74	119	17.63	4.06	6.58	15.10	5.28	888.80	165.73	826.04	228.49	203.58
1	74	120	-1.12	-3.94	-1.48	-3.57	-0.95	999.56	-63.22	994.78	-58.44	71.07
1	74	121	5.82e-02	-0.63	-0.63	5.49e-02	-4.79e-02	923.25	-14.00	922.68	-13.44	-23.02
1	74	122	3.50	7.70e-02	0.45	3.12	-1.07	717.57	2.32	692.08	27.81	-132.60
1	74	123	5.02	-1.19	3.75	8.61e-02	-2.50	186.36	-289.61	-4.13	-99.13	-233.20
1	74	124	1.24	-39.17	-8.75	-29.18	-17.44	-555.02	-1448.37	-1325.53	-677.87	-307.66
1	74	125	11.77	1.30	7.56	5.51	5.13	614.45	-58.29	518.01	38.15	235.75
1	74	126	0.99	2.52e-02	0.63	0.39	0.47	990.92	-28.56	985.22	-22.86	76.01
1	74	127	0.74	3.38e-02	0.18	0.60	-0.29	1044.14	-19.13	1042.62	-17.61	-40.23
1	74	128	7.44	1.18	3.32	5.30	-2.97	772.45	-0.51	730.43	41.50	-175.24
1	74	129	2.14	-19.10	-0.38	-16.59	6.86	-340.00	-440.95	-345.61	-435.34	-23.13
1	74	130	1.97	-20.68	-0.96	-17.75	-7.60	-394.97	-457.82	-394.99	-457.80	-0.97
1	74	131	7.90	1.26	3.59	5.57	3.17	751.28	1.83	709.23	43.88	172.47
1	74	132	0.77	4.45e-02	0.22	0.60	0.31	1021.38	-19.56	1020.09	-18.28	36.56
1	74	133	1.01	4.36e-02	0.66	0.39	-0.46	956.03	-28.62	949.83	-22.41	-77.89
1	74	134	12.45	1.35	7.67	6.13	-5.50	573.02	-62.25	467.83	42.94	-236.14
1	74	135	1.29	-40.84	-8.78	-30.76	17.97	-571.78	-1513.02	-1379.83	-704.97	328.06
1	74	136	3.46	-4.12	3.45	-4.12	0.26	42.88	-361.01	-142.52	-175.61	201.26
1	74	137	4.10	0.49	0.99	3.59	1.25	640.95	-9.74	601.00	30.21	156.19

1	74	138	0.23	-0.46	-0.44	0.21	8.82e-02	875.18	-15.62	871.49	-11.93	57.23
1	74	139	-0.38	-0.80	-0.76	-0.42	0.12	970.70	-18.50	970.49	-18.29	-14.41
1	74	140	-1.63	-5.27	-2.72	-4.19	1.66	973.81	-92.49	969.17	-87.85	-70.13
1	74	141	19.05	6.24	10.21	15.08	-5.93	829.08	135.42	761.40	203.09	-205.82
1	74	142	4.92	-8.39	-7.39	3.93	3.50	141.04	-178.82	-175.72	137.95	31.33
1	74	143	-1.84	-29.28	-12.79	-18.33	13.44	135.88	-631.78	102.51	-598.40	156.55
1	74	144	15.29	4.77	12.16	7.90	-4.81	713.86	-1.35	98.84	613.67	-248.24
1	74	145	-2.03	-7.04	-2.21	-6.87	0.91	960.67	-82.12	-79.14	957.68	-55.74
1	74	146	-2.15	-7.04	-2.32	-6.87	-0.88	960.92	-81.50	-78.48	957.90	56.07
1	74	147	15.13	4.79	12.08	7.84	4.72	715.49	-0.65	99.52	615.32	248.41
1	74	148	-2.46	-29.29	-13.17	-18.58	-13.14	132.46	-634.39	98.66	-600.59	-157.41
1	74	149	1.17	1.42e-02	1.06	0.13	-0.35	532.98	197.59	532.10	198.47	-17.11
1	74	150	1.98	-1.28	1.89	-1.19	0.55	449.58	113.15	194.13	368.59	-143.83
1	74	151	2.60	0.72	2.55	0.78	0.31	555.09	-364.72	-333.85	524.22	165.66
1	74	152	2.31	-1.91e-02	2.31	-1.82e-02	4.60e-02	577.69	-317.02	-286.82	547.48	-161.59
1	74	153	5.46	1.28	5.46	1.29	-0.17	698.09	-537.70	-537.70	698.08	2.24
1	74	154	3.03	-3.03	2.94	-2.93	0.76	383.24	-771.64	-520.36	131.96	-476.50
1	74	155	8.18	-3.69	8.14	-3.64	-0.74	623.57	-1150.77	-1150.61	623.41	17.09
1	74	156	3.81	-2.12	3.72	-2.03	-0.72	424.53	-735.40	-454.45	143.58	496.94
1	74	157	1.39	-2.27	7.98e-02	-0.96	1.76	543.82	-56.00	318.76	169.06	-290.42
1	74	158	1.77	-0.81	1.20	-0.24	-1.07	515.66	-98.64	274.84	142.18	299.90
1	74	159	0.19	-0.89	-0.29	-0.41	0.53	683.34	172.26	662.71	192.89	-100.58
1	74	160	1.14	-0.60	0.79	-0.25	-0.70	610.80	99.72	581.53	128.99	118.74
1	74	161	-2.72e-03	-0.67	-0.29	-0.38	-0.33	700.28	179.23	681.80	197.71	96.37
1	74	162	1.41	-0.23	1.09	9.09e-02	-0.65	702.49	139.64	698.28	143.86	-48.53
1	74	163	0.88	-1.24	0.31	-0.67	-0.94	591.31	-19.65	383.37	188.29	289.49
1	74	164	2.22	0.26	0.67	1.81	-0.80	778.77	120.34	693.31	205.80	-221.29
1	74	165	2.24	-2.40	2.08	-2.24	-0.85	434.51	-664.97	-392.14	161.68	474.90
1	74	166	3.07	-3.27	-0.67	0.47	3.12	800.23	-99.08	446.05	255.10	-439.40
1	74	167	6.83	-3.21	6.83	-3.21	5.32e-02	638.57	-1034.77	-1034.74	638.54	-6.30
1	74	168	2.22	-2.42	2.02	-2.22	0.94	452.76	-654.81	-368.89	166.83	-484.70
1	74	169	0.95	-1.07	0.46	-0.58	0.87	605.29	-25.84	397.27	182.18	-296.68
1	74	170	1.53	-2.44e-02	1.50	9.89e-03	-0.23	633.60	311.22	410.94	533.88	-149.01
1	74	171	8.85e-02	-0.57	-0.13	-0.36	0.31	718.34	161.16	698.42	181.08	-103.45
1	74	172	1.52	-2.21e-02	1.49	1.12e-02	0.22	633.67	310.78	411.66	532.79	149.65
1	74	173	0.26	-0.76	-0.11	-0.39	-0.49	702.99	158.29	686.68	174.61	92.84
1	74	174	3.04	-3.28	-0.66	0.42	-3.11	800.26	-99.05	446.25	254.96	439.36
1	74	175	1.45	-1.99	0.30	-0.84	-1.62	558.05	-47.58	352.84	157.64	286.66
1	74	176	2.98	-2.99	2.80	-2.82	-1.01	396.01	-740.32	-473.30	128.99	481.79
1	74	177	7.90	-3.67	7.86	-3.64	0.65	599.43	-1155.59	-1155.59	599.43	-1.79
1	74	178	2.22	0.26	0.67	1.81	0.80	778.83	120.32	693.33	205.82	221.34
1	74	179	3.73	-2.08	3.68	-2.03	0.53	390.07	-767.07	-500.34	123.35	-487.34
1	74	180	1.41	-0.23	1.09	9.16e-02	0.65	702.48	139.65	698.26	143.86	48.54
1	74	181	1.53	-1.07	0.86	-0.40	1.13	495.44	-117.89	239.00	138.55	-302.52
1	74	182	1.15	-0.60	0.80	-0.25	0.70	610.78	99.72	581.52	128.98	-118.74
1	74	183	1.10	-0.73	0.66	-0.28	0.78	595.87	103.92	563.28	136.52	-122.36
1	74	184	1.75	-0.82	1.19	-0.26	1.06	515.71	-98.69	274.89	142.13	-299.94
1	74	185	3.79	-2.11	3.70	-2.02	0.73	424.55	-735.22	-454.28	143.61	-496.89
1	74	186	8.16	-3.69	8.11	-3.65	0.73	622.92	-1150.58	-1150.41	622.75	-17.30
1	74	187	3.26	-3.54	-0.24	-4.46e-02	-3.40	771.17	-100.58	415.88	254.71	428.36
1	74	188	2.95	-3.08	2.86	-2.99	-0.73	384.26	-771.74	-519.77	132.29	477.27
1	74	189	1.44	-2.27	9.97e-02	-0.93	-1.78	543.44	-56.09	318.25	169.10	290.34
1	74	190	0.19	-0.89	-0.29	-0.41	-0.53	683.36	172.17	662.73	192.80	100.60
1	74	191	1.70	-0.20	1.68	-0.19	0.18	623.32	302.28	395.98	529.62	145.95
1	74	192	-7.91e-03	-0.67	-0.29	-0.39	0.33	699.99	179.24	681.45	197.78	-96.49
1	74	193	1.69	-0.19	1.67	-0.18	-0.18	621.05	303.96	397.31	527.70	-144.52
1	74	194	0.88	-1.24	0.31	-0.67	0.94	591.51	-19.79	383.49	188.22	-289.64
1	74	195	3.14	-3.45	-0.31	1.23e-03	3.29	771.08	-93.19	419.32	258.57	-424.59
1	74	196	2.22	-2.41	2.05	-2.25	0.86	434.92	-664.62	-391.57	161.87	-475.05
1	74	197	6.77	-3.23	6.77	-3.22	-5.28e-02	637.16	-1036.38	-1036.36	637.14	6.20
1	74	198	2.23	-2.42	2.02	-2.20	-0.97	452.74	-654.65	-368.73	166.82	484.64
1	74	199	0.95	-1.06	0.47	-0.58	-0.86	605.56	-25.86	397.77	181.93	296.69
1	74	200	8.64e-02	-0.57	-0.13	-0.36	-0.31	718.16	161.21	698.18	181.19	103.58
1	74	201	1.10	-0.73	0.67	-0.29	-0.78	595.79	103.92	563.09	136.61	122.53
1	74	202	0.26	-0.76	-0.11	-0.38	0.49	703.07	158.29	686.75	174.61	-92.87
1	74	203	1.57	-1.04	0.90	-0.37	-1.14	495.39	-117.62	239.30	138.46	302.33
1	74	204	1.45	-1.98	0.30	-0.83	1.62	558.12	-47.55	353.00	157.57	-286.64
1	74	205	3.74	-2.09	3.69	-2.04	-0.53	389.83	-767.15	-500.59	123.27	487.19
1	74	206	2.98	-3.01	2.81	-2.83	1.01	395.95	-740.09	-473.19	129.06	-481.63
1	74	207	7.86	-3.68	7.82	-3.64	-0.65	599.51	-1156.04	-1156.04	599.51	1.44
1	74	208	1.46	-0.22	0.95	0.29	0.77	689.49	153.11	685.49	157.10	46.11
1	74	209	1.81	0.31	0.36	1.75	0.29	761.71	125.62	676.74	210.59	216.40
1	74	210	1.76	-0.63	1.67	-0.54	-0.45	414.34	191.30	398.01	207.63	58.10
1	74	211	1.78	0.36	0.42	1.73	-0.27	760.95	125.88	676.41	210.42	-215.73
1	74	212	1.47	-0.21	0.95	0.31	-0.78	690.02	153.17	685.90	157.29	-46.86
1	74	213	1.96	-1.44	1.85	-1.34	0.58	480.73	96.90	166.31	411.32	-147.74

1	74	214	2.28	-0.33	2.28	-0.33	7.22e-02	605.04	-324.95	-297.53	577.63	-157.30
1	74	215	5.43	1.39	5.43	1.39	-5.16e-02	726.42	-526.22	-526.20	726.40	4.37
1	74	216	2.82	0.92	2.77	0.97	0.30	563.71	-340.98	-313.79	536.52	154.46
1	74	217	2.48	-0.45	2.45	-0.41	-0.33	386.71	54.89	123.70	317.89	134.53
1	74	218	1.21	-1.43	1.16	-1.38	0.37	494.56	287.85	480.48	301.93	-52.08
1	74	219	1.80	-0.59	1.73	-0.52	-0.40	442.46	171.81	430.77	183.49	55.02
1	74	220	1.09	-1.24	1.08	-1.23	-0.15	509.64	294.46	498.50	305.60	47.67
1	74	221	1.23	1.99e-02	1.11	0.14	-0.36	555.76	173.85	554.74	174.87	-19.76
1	74	222	1.49	-0.95	1.45	-0.91	-0.32	494.09	151.87	229.14	416.82	143.09
1	74	223	0.85	0.59	0.71	0.73	-0.13	573.79	254.64	545.30	283.13	-91.00
1	74	224	1.67	0.13	1.66	0.14	0.12	622.87	-231.01	-200.20	592.06	159.24
1	74	225	4.28	1.30	4.28	1.30	-3.80e-02	747.73	-408.59	-408.59	747.73	-1.24
1	74	226	1.75	0.27	1.72	0.29	-0.19	613.90	-218.31	-191.32	586.91	-147.41
1	74	227	1.59	-0.80	1.56	-0.77	0.26	471.16	166.37	243.18	394.35	-132.33
1	74	228	1.15	-1.14	1.14	-1.13	0.14	528.99	259.06	519.35	268.70	-50.09
1	74	229	0.85	0.59	0.71	0.73	0.13	573.53	254.86	545.20	283.19	90.70
1	74	230	1.25	-1.30	1.21	-1.26	-0.33	515.62	251.06	506.96	259.71	47.06
1	74	231	1.98	-1.28	1.89	-1.19	-0.54	449.55	113.16	194.11	368.60	143.80
1	74	232	2.31	-1.65e-02	2.31	-1.57e-02	-4.42e-02	577.68	-317.03	-286.83	547.49	161.57
1	74	233	5.47	1.28	5.46	1.29	0.16	698.06	-537.68	-537.68	698.06	-2.32
1	74	234	2.59	0.72	2.53	0.77	-0.32	555.17	-364.48	-333.62	524.31	-165.62
1	74	235	1.23	2.02e-02	1.11	0.14	0.36	555.68	173.89	554.66	174.91	19.75
1	74	236	2.39	-0.51	2.35	-0.47	0.32	394.00	26.82	85.38	335.44	-134.44
1	74	237	1.80	-0.59	1.73	-0.52	0.40	442.44	171.82	430.75	183.50	-55.00
1	74	238	1.76	-0.63	1.66	-0.54	0.46	416.71	189.64	399.87	206.47	-59.49
1	74	239	2.47	-0.45	2.44	-0.42	0.33	386.71	55.10	123.85	317.97	-134.43
1	74	240	1.17	9.79e-03	1.06	0.13	0.35	532.13	197.55	531.28	198.40	16.80
1	74	241	2.82	0.93	2.77	0.98	-0.30	563.74	-342.56	-314.44	535.61	-157.15
1	74	242	5.37	1.37	5.37	1.37	6.28e-02	725.35	-528.30	-528.28	725.34	-4.39
1	74	243	2.26	-0.37	2.26	-0.37	-5.45e-02	607.12	-317.86	-292.79	582.04	150.22
1	74	244	0.77	0.53	0.76	0.54	4.40e-02	562.17	261.73	529.21	294.69	93.90
1	74	245	1.99	-1.42	1.89	-1.32	-0.57	480.52	96.66	165.46	411.72	147.22
1	74	246	1.22	-1.43	1.17	-1.38	-0.37	494.24	288.05	480.34	301.96	51.71
1	74	247	1.10	-1.25	1.10	-1.24	0.15	506.92	296.38	496.19	307.11	-46.31
1	74	248	0.77	0.53	0.77	0.54	-4.28e-02	559.85	264.21	527.69	296.37	-92.05
1	74	249	1.49	-0.95	1.45	-0.91	0.32	494.13	151.83	229.24	416.72	-143.19
1	74	250	1.64	0.15	1.63	0.16	-0.12	623.24	-230.91	-199.80	592.13	-160.02
1	74	251	4.34	1.22	4.34	1.22	4.14e-02	745.01	-415.68	-415.68	745.01	0.81
1	74	252	1.73	0.31	1.71	0.33	0.17	613.51	-221.71	-192.88	584.68	152.47
1	74	253	1.58	-0.81	1.55	-0.78	-0.27	473.03	164.22	244.96	392.29	135.70
1	74	254	1.16	-1.14	1.15	-1.14	-0.14	527.22	260.51	517.96	269.77	48.81
1	74	255	1.26	-1.30	1.21	-1.26	0.33	515.57	251.10	506.97	259.70	-46.92
1	74	256	2.39	-0.51	2.36	-0.48	-0.33	394.80	25.73	86.61	333.91	136.97

M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-295.48	-185.76	-287.39	-119.94		-6991.73	-5400.58	-5701.92	-3703.82
			297.69		205.67	296.85	73.83	7367.23		3141.54	6841.16	2343.71

VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

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

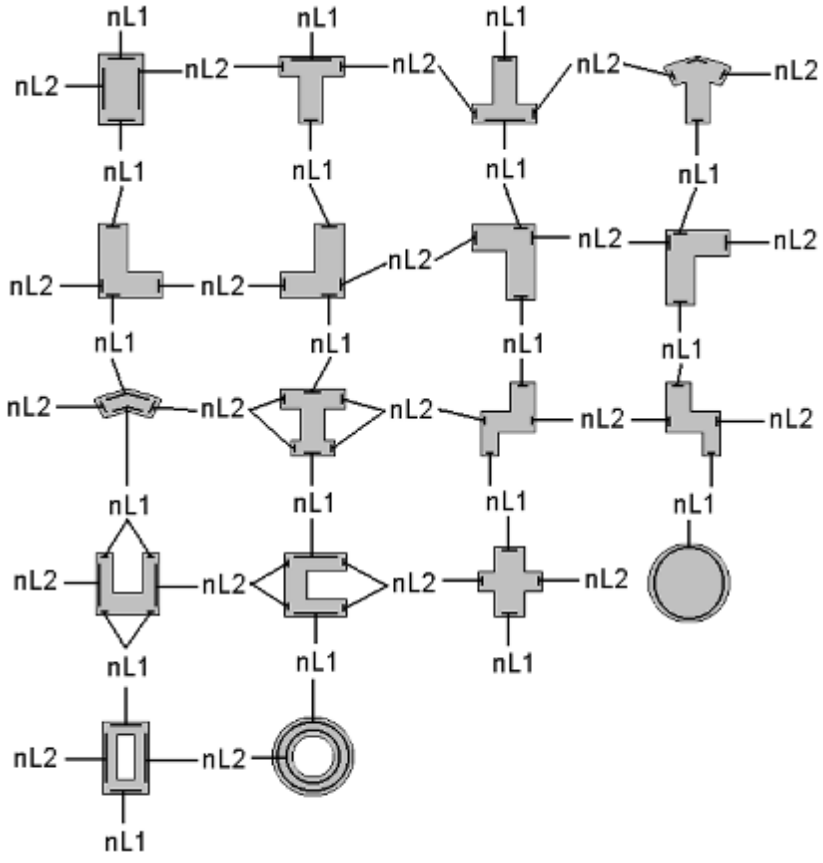
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

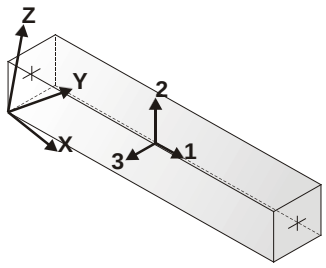
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.

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

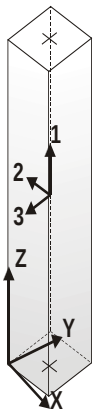
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali





Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.
N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^*: valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche alla G.R. dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovraresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovraresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi per la duttilità è presente una tabella con i simboli di seguito descritti:
(Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
cmu_fi 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio Vjbd e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effattivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: • SI il passo staffe è calcolato utilizzando la formula 7.4.10;

	• NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Fattore di sicurezza nei riguardi della verifica di resistenza a compressione (verificato se < 1.00).
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione.
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione.
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione.
ver. (-)	Fattore di sicurezza nei riguardi della verifica di resistenza a trazione (verificato se < 1.00).
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione.
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione.
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione.
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche alla G.R. delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")

VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD “A”)
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD “A”)
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD “A”)

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell’elemento D2 trave/pilastro
V. SLV	Codice relativo all’esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Per le verifiche alle T.A. di pilastri e travi è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell’elemento D2
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (come da fig. precedente)
Af inf.	Area di armatura longitudinale posta all’intradosso della trave
Af sup	Area di armatura longitudinale posta all’estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell’acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell’armatura atta ad assorbire le azioni di taglio
AfT	area dell’armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

M_P= 1 X=15.0 Y=15.0

Pilas.	Note	Stato	Quota cm	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe L=cm	V V/T cls	V V/T acc	Rif. cmb
1	s=2,m=1	ok,ok	0.0	2.68	0.38	4d16 8+8 d16	0.90	0.10	2+2d8/15 L=45	0.42	0.40	31,36,31,30
			160.0	1.07	0.38	4d16 2+2 d16	0.17	0.10	2+2d8/15 L=230	0.42	0.40	33,36,31,30
	[b=1.0;1.0]		320.0	2.68	0.38	4d16 8+8 d16	0.83	0.09	2+2d8/15 L=45	0.42	0.40	31,36,31,30
					M_P= 2	**X=577.5**	**Y=15.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
4	s=2,m=1	ok,ok	0.0	1.61	0.43	4d16 4+4 d16	0.87	0.08	2+2d8/15 L=45	0.26	0.27	31,36,5,5
			160.0	1.07	0.43	4d16 2+2 d16	0.34	0.08	2+2d8/15 L=230	0.26	0.27	31,36,5,5
	[b=1.0;1.0]		320.0	1.07	0.43	4d16 2+2 d16	0.91	0.07	2+2d8/15 L=45	0.26	0.27	10,36,5,5
					M_P= 3	**X=1140.0**	**Y=15.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
5	s=2,m=1	ok,ok	0.0	2.14	0.42	4d16 6+6 d16	0.90	0.11	2+2d8/15 L=45	0.30	0.36	21,36,21,26
			160.0	1.07	0.42	4d16 2+2 d16	0.08	0.10	2+2d8/15 L=230	0.30	0.36	31,36,21,26
	[b=1.0;1.0]		320.0	2.14	0.42	4d16 6+6 d16	0.82	0.10	2+2d8/15 L=45	0.30	0.36	21,36,21,26
					M_P= 4	**X=1690.0**	**Y=15.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
8	s=2,m=1	ok,ok	0.0	1.61	0.43	4d16 4+4 d16	0.87	0.08	2+2d8/15 L=45	0.26	0.27	21,26,11,11
			160.0	1.07	0.43	4d16 2+2 d16	0.34	0.08	2+2d8/15 L=230	0.27	0.27	21,26,11,11
	[b=1.0;1.0]		320.0	1.07	0.43	4d16 2+2 d16	0.92	0.07	2+2d8/15 L=45	0.27	0.27	8,26,11,11
					M_P= 5	**X=2275.0**	**Y=15.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
9	s=2,m=1	ok,ok	0.0	2.68	0.39	4d16 8+8 d16	0.91	0.11	2+2d8/15 L=45	0.43	0.41	21,26,21,24
			160.0	1.07	0.39	4d16 2+2 d16	0.18	0.10	2+2d8/15 L=230	0.43	0.41	27,26,21,24
	[b=1.0;1.0]		320.0	2.68	0.39	4d16 8+8 d16	0.84	0.10	2+2d8/15 L=45	0.43	0.41	21,26,21,24
					M_P= 6	**X=15.0**	**Y=445.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
2	s=2,m=1	ok,ok	0.0	2.68	0.38	4d16 8+8 d16	0.90	0.10	2+2d8/15 L=45	0.42	0.40	36,31,36,33
			160.0	1.07	0.38	4d16 2+2 d16	0.17	0.10	2+2d8/15 L=230	0.42	0.40	30,31,36,33
	[b=1.0;1.0]		320.0	2.68	0.38	4d16 8+8 d16	0.83	0.09	2+2d8/15 L=45	0.42	0.40	36,31,36,33
					M_P= 7	**X=577.5**	**Y=445.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
3	s=2,m=1	ok,ok	0.0	1.61	0.43	4d16 4+4 d16	0.87	0.08	2+2d8/15 L=45	0.26	0.27	36,31,14,14
			160.0	1.07	0.43	4d16 2+2 d16	0.34	0.08	2+2d8/15 L=230	0.26	0.27	36,31,14,14
	[b=1.0;1.0]		320.0	1.07	0.43	4d16 2+2 d16	0.91	0.07	2+2d8/15 L=45	0.26	0.27	17,31,14,14
					M_P= 8	**X=1140.0**	**Y=445.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
6	s=2,m=1	ok,ok	0.0	2.14	0.42	4d16 6+6 d16	0.90	0.11	2+2d8/15 L=45	0.30	0.36	26,31,26,21
			160.0	1.07	0.42	4d16 2+2 d16	0.08	0.10	2+2d8/15 L=230	0.30	0.36	36,31,26,21
	[b=1.0;1.0]		320.0	2.14	0.42	4d16 6+6 d16	0.82	0.10	2+2d8/15 L=45	0.30	0.36	26,31,26,21
					M_P= 9	**X=1690.0**	**Y=445.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
7	s=2,m=1	ok,ok	0.0	1.61	0.43	4d16 4+4 d16	0.87	0.08	2+2d8/15 L=45	0.26	0.27	26,21,20,20
			160.0	1.07	0.43	4d16 2+2 d16	0.34	0.08	2+2d8/15 L=230	0.27	0.27	26,21,20,20
	[b=1.0;1.0]		320.0	1.07	0.43	4d16 2+2 d16	0.92	0.07	2+2d8/15 L=45	0.27	0.27	15,21,20,20
					M_P= 10	**X=2275.0**	**Y=445.0**					
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
10	s=2,m=1	ok,ok	0.0	2.68	0.39	4d16 8+8 d16	0.91	0.11	2+2d8/15 L=45	0.43	0.41	26,21,26,27
			160.0	1.07	0.39	4d16 2+2 d16	0.18	0.10	2+2d8/15 L=230	0.43	0.41	24,21,26,27
	[b=1.0;1.0]		320.0	2.68	0.39	4d16 8+8 d16	0.84	0.10	2+2d8/15 L=45	0.43	0.41	26,21,26,27

Pilas.	**%Af**	**r. snell.**	**V N/M**	**V N sis**	**V V/T cls**	**V V/T acc**
	2.68	0.43	0.92	0.11	0.43	0.41

Nodo	**Conf.**	**Stato**	**Pilas.**	**Diam st** mm	**Passo** cm	**n. br. 2**	**Bj2** cm	**Hjc2** cm	**n. br. 3**	**Bj3** cm	**Hjc3** cm	**V. 7.4.8**	**V. Ash**	**7.4.10**	**Rif. cmb**
2	NO	ok	1	8	5.0	2	45.0	22.8	2	30.0	42.8	0.6	0.6	NO	21,17
4	NO	ok	2	8	5.0	2	45.0	22.8	2	30.0	42.8	0.6	0.6	NO	21,10
6	NO	ok	3	8	8.0	2	50.0	22.8	2	30.0	42.8	0.5	1.0	NO	5,5
8	NO	ok	4	8	8.0	2	50.0	22.8	2	30.0	42.8	0.5	1.0	NO	5,5
10	NO	ok	5	8	5.0	2	45.0	22.8	2	30.0	42.8	0.5	0.6	NO	5,33
12	NO	ok	6	8	5.0	2	45.0	22.8	2	30.0	42.8	0.5	0.6	NO	5,30
14	NO	ok	7	8	8.0	2	50.0	22.8	2	30.0	42.8	0.5	1.0	NO	5,5
16	NO	ok	8	8	8.0	2	50.0	22.8	2	30.0	42.8	0.5	1.0	NO	5,5
18	NO	ok	9	8	5.0	2	45.0	22.8	2	30.0	42.8	0.6	0.6	NO	21,15
20	NO	ok	10	8	5.0	2	45.0	22.8	2	30.0	42.8	0.6	0.6	NO	21,8

Nodo	**Passo**	**V. 7.4.8**	**V. Ash**
	5.00	0.55	0.95

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	**M_T= 1** x/d	**Z=320.0** V N/M	**P=1** V V/T cls	**P=5** V V/T acc	Staffe L=cm	Rif. cmb
11	ok,ok	0.0	0.33	6.0	6.0	0.0	0.10	0.47	0.32	0.19	2d8/15 L=55	8,31,2

	s=3,m=1	281.3	0.33	6.0	6.0	0.0	0.10	0.42	0.24	0.10	2d8/20 L=412	2,30,10
		562.5	0.33	6.0	6.0	0.0	0.10	0.85	0.36	0.26	2d8/15 L=55	10,30,2
12	ok,ok	0.0	0.33	6.0	6.0	4.0	0.10	0.92	0.34	0.93	2d8/15 L=120	8,24,36
	s=3,m=1	281.3	0.33	6.0	6.0	4.0	0.10	0.37	0.22	0.81	2d8/20 L=272	34,24,36
		562.5	0.33	6.0	6.0	4.0	0.10	0.78	0.33	0.89	2d8/15 L=120	10,25,33
13	ok,ok	0.0	0.33	6.0	6.0	4.0	0.10	0.78	0.32	0.90	2d8/15 L=115	8,31,27
	s=3,m=1	275.0	0.33	6.0	6.0	4.0	0.10	0.35	0.23	0.83	2d8/20 L=269	24,30,26
		550.0	0.33	6.0	6.0	4.0	0.10	0.92	0.35	0.94	2d8/15 L=115	10,30,26
14	ok,ok	0.0	0.33	6.0	6.0	0.0	0.10	0.86	0.35	0.27	2d8/15 L=55	8,24,2
	s=3,m=1	292.5	0.33	6.0	6.0	0.0	0.10	0.46	0.23	0.09	2d8/20 L=434	2,24,8
		585.0	0.33	6.0	6.0	0.0	0.10	0.48	0.31	0.20	2d8/15 L=55	10,21,2
							M_T= 2	**Z=320.0**	**P=5**	**P=10**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
15	ok,ok	0.0	0.56	10.1	10.1	0.0	0.11	0.90	0.28	0.28	2d8/15 L=55	24,26,26
	s=3,m=1	215.0	0.33	6.0	6.0	0.0	0.10	0.08	0.25	0.33	2d8/20 L=269	2,26,26
		430.0	0.56	10.1	10.1	0.0	0.11	0.90	0.28	0.28	2d8/15 L=55	27,27,27
							M_T= 3	**Z=320.0**	**P=6**	**P=10**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
19	ok,ok	0.0	0.33	6.0	6.0	0.0	0.10	0.47	0.32	0.19	2d8/15 L=55	15,36,2
	s=3,m=1	281.3	0.33	6.0	6.0	0.0	0.10	0.42	0.24	0.10	2d8/20 L=412	2,33,17
		562.5	0.33	6.0	6.0	0.0	0.10	0.85	0.36	0.26	2d8/15 L=55	17,33,2
18	ok,ok	0.0	0.33	6.0	6.0	4.0	0.10	0.92	0.34	0.93	2d8/15 L=120	15,27,31
	s=3,m=1	281.3	0.33	6.0	6.0	4.0	0.10	0.37	0.22	0.81	2d8/20 L=272	29,27,31
		562.5	0.33	6.0	6.0	4.0	0.10	0.78	0.33	0.89	2d8/15 L=120	17,22,30
17	ok,ok	0.0	0.33	6.0	6.0	4.0	0.10	0.78	0.32	0.90	2d8/15 L=115	15,36,24
	s=3,m=1	275.0	0.33	6.0	6.0	4.0	0.10	0.35	0.23	0.83	2d8/20 L=269	27,33,21
		550.0	0.33	6.0	6.0	4.0	0.10	0.92	0.35	0.94	2d8/15 L=115	17,33,21
16	ok,ok	0.0	0.33	6.0	6.0	0.0	0.10	0.86	0.35	0.27	2d8/15 L=55	15,27,2
	s=3,m=1	292.5	0.33	6.0	6.0	0.0	0.10	0.46	0.23	0.09	2d8/20 L=434	2,27,15
		585.0	0.33	6.0	6.0	0.0	0.10	0.48	0.31	0.20	2d8/15 L=55	17,26,2
							M_T= 4	**Z=320.0**	**P=1**	**P=6**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
20	ok,ok	0.0	0.56	10.1	10.1	0.0	0.11	0.89	0.28	0.27	2d8/15 L=55	30,36,36
	s=3,m=1	215.0	0.33	6.0	6.0	0.0	0.10	0.08	0.25	0.33	2d8/20 L=269	2,33,33
		430.0	0.56	10.1	10.1	0.0	0.11	0.89	0.28	0.27	2d8/15 L=55	33,33,33
							M_T= 5	**Z=320.0**	**P=3**	**P=8**		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
21	ok,ok	0.0	0.33	6.0	6.0	0.0	0.10	0.89	0.17	0.18	2d8/15 L=55	30,24,30
	s=3,m=1	215.0	0.33	6.0	6.0	0.0	0.10	0.09	0.15	0.20	2d8/20 L=289	2,27,30
		430.0	0.33	6.0	6.0	0.0	0.10	0.89	0.17	0.18	2d8/15 L=55	33,27,31

Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.56	10.05	10.05	4.02	0.11	0.92	0.36	0.94

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [*normalizzato a 1*]	
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [*normalizzato a 1*]	
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck 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*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

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

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

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

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

Pilas.	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	Pos.	rRfck	rRfyk	rPfck	Rif. cmb
	cm					cm				
1	0.0	0.06	0.03	0.06	71,71,74	160.0	0.08	0.04	0.09	71,71,74
	320.0	0.14	0.08	0.15	71,71,74					
2	0.0	0.06	0.03	0.06	71,71,74	160.0	0.08	0.04	0.09	71,71,74
	320.0	0.14	0.08	0.15	71,71,74					
3	0.0	0.07	0.04	0.07	71,71,74	160.0	0.07	0.04	0.07	71,71,74
	320.0	0.07	0.04	0.07	71,71,74					
4	0.0	0.07	0.04	0.07	71,71,74	160.0	0.07	0.04	0.07	71,71,74
	320.0	0.07	0.04	0.07	71,71,74					
5	0.0	0.05	0.03	0.06	71,71,74	160.0	0.06	0.03	0.06	71,71,74
	320.0	0.05	0.03	0.06	71,71,74					
6	0.0	0.05	0.03	0.06	71,71,74	160.0	0.06	0.03	0.06	71,71,74
	320.0	0.05	0.03	0.06	71,71,74					
7	0.0	0.07	0.04	0.07	71,71,74	160.0	0.07	0.04	0.07	71,71,74
	320.0	0.08	0.05	0.09	71,71,74					
8	0.0	0.07	0.04	0.07	71,71,74	160.0	0.07	0.04	0.07	71,71,74
	320.0	0.08	0.05	0.09	71,71,74					
9	0.0	0.06	0.03	0.06	71,71,74	160.0	0.09	0.05	0.10	71,71,74
	320.0	0.16	0.09	0.17	71,71,74					
10	0.0	0.06	0.03	0.06	71,71,74	160.0	0.09	0.05	0.10	71,71,74
	320.0	0.16	0.09	0.17	71,71,74					

Pilas.		rRfck	rRfyk	rPfck			rRfck	rRfyk	rPfck	
		0.16	0.09	0.17						

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
11	0.0	0.05	0.12	0.06	71,71,74	0.0	0.0	0.0	0,0,0	-0.18	-0.15	-0.14	71,73,74
	281.3	0.15	0.35	0.15	71,71,74	0.0	0.0	0.0	0,0,0				
	562.5	0.24	0.57	0.25	71,71,74	0.18	0.17	0.15	71,73,74				
12	0.0	0.22	0.53	0.23	71,71,74	0.16	0.15	0.14	71,73,74	-0.09	-0.07	-0.07	71,73,74
	281.3	0.09	0.22	0.10	71,71,74	0.0	0.0	0.0	0,0,0				
	562.5	0.18	0.43	0.18	71,71,74	0.13	0.0	0.0	71,0,0				
13	0.0	0.17	0.42	0.18	71,71,74	0.13	0.0	0.0	71,0,0	-0.07	-0.06	-0.05	71,73,74
	275.0	0.08	0.20	0.09	71,71,74	0.0	0.0	0.0	0,0,0				
	550.0	0.22	0.53	0.23	71,71,74	0.16	0.15	0.14	71,73,74				
14	0.0	0.25	0.60	0.26	71,71,74	0.19	0.18	0.16	71,73,74	-0.27	-0.18	-0.17	71,73,74
	292.5	0.16	0.38	0.17	71,71,74	0.12	0.0	0.0	71,0,0				
	585.0	0.06	0.14	0.06	71,71,74	0.0	0.0	0.0	0,0,0				
15	0.0	8.77e-03	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	71,73,74
	215.0	0.03	0.07	0.04	71,71,74	0.0	0.0	0.0	0,0,0				
	430.0	8.77e-03	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0				
16	0.0	0.25	0.60	0.26	71,71,74	0.19	0.18	0.16	71,73,74	-0.27	-0.18	-0.17	71,73,74
	292.5	0.16	0.38	0.17	71,71,74	0.12	0.0	0.0	71,0,0				
	585.0	0.06	0.14	0.06	71,71,74	0.0	0.0	0.0	0,0,0				
17	0.0	0.17	0.42	0.18	71,71,74	0.13	0.0	0.0	71,0,0	-0.07	-0.06	-0.05	71,73,74
	275.0	0.08	0.20	0.09	71,71,74	0.0	0.0	0.0	0,0,0				
	550.0	0.22	0.53	0.23	71,71,74	0.16	0.15	0.14	71,73,74				
18	0.0	0.22	0.53	0.23	71,71,74	0.16	0.15	0.14	71,73,74	-0.09	-0.07	-0.07	71,73,74
	281.3	0.09	0.22	0.10	71,71,74	0.0	0.0	0.0	0,0,0				
	562.5	0.18	0.43	0.18	71,71,74	0.13	0.0	0.0	71,0,0				
19	0.0	0.05	0.12	0.06	71,71,74	0.0	0.0	0.0	0,0,0	-0.18	-0.15	-0.14	71,73,74
	281.3	0.15	0.35	0.15	71,71,74	0.0	0.0	0.0	0,0,0				
	562.5	0.24	0.57	0.25	71,71,74	0.18	0.17	0.15	71,73,74				
20	0.0	8.85e-03	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	71,73,74
	215.0	0.03	0.07	0.04	71,71,74	0.0	0.0	0.0	0,0,0				
	430.0	8.85e-03	0.02	0.01	70,70,74	0.0	0.0	0.0	0,0,0				
21	0.0	7.43e-03	0.02	9.90e-03	70,70,74	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	71,73,74
	215.0	0.03	0.08	0.04	71,71,74	0.0	0.0	0.0	0,0,0				
	430.0	7.42e-03	0.02	9.90e-03	70,70,74	0.0	0.0	0.0	0,0,0				

Trave		rRfck	rRfyk	rPfck		wR	wF	wP		dR	dF	dP
										-0.27	-0.18	-0.17
		0.25	0.60	0.26		0.19	0.18	0.16		-0.02	-0.02	-0.02