

# Comune di PESCIA

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## LAVORI DI RIDUZIONE E MESSA IN SICUREZZA DEL DISSESTO IDROGEOLOGICO IN LOCALITA' COLLODI-CASTELLO - 2° LOTTO FUNZIONALE -

### PROGETTO ESECUTIVO

#### Venturi & Motta

Studio Tecnico Associato

PROGETTISTA e DLL :

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02					
01	20/03/2020	DEFINITIVO	Ing. Venturi V.	Ing. Venturi V.	Ing. Venturi V.
Revisione	Data emissione o aggiornamento	Note	Redatto da :	Controllato da :	Approvato da :
Denominazione:  Fascicolo dei calcoli strutture Intervento 1				Elaborato:  <b>16</b>	
			Codice Progetto:	Data :	
			20200207	20/03/2020	
fascicolo Cimitero 1.doc					

# 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	Coefficienti 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	cemento armato	Resistenza Rc Resistenza fctm Coefficiente ksb	resistenza a compressione cubica resistenza media a trazione semplice Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft Tensione fy Resistenza fd Resistenza fd (>40) Tensione ammissibile Tensione ammissibile (>40)	Valore della tensione di rottura Valore della tensione di snervamento Resistenza di calcolo per SL CNR-UNI 10011 Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm Tensione ammissibile CNR-UNI 10011 Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura	Muratura consolidata Incremento resistenza Incremento rigidezza Resistenza f Resistenza fv0 Resistenza fh Resistenza fb  Resistenza fbh Resistenza fv0h Resistenza ft Resistenza fvlm Resistenza fbt Coefficiente mu Coefficiente fi Coefficiente ksb	Muratura per la quale si prevedono interventi di rinforzo" Incremento conseguito in termini di resistenza Incremento conseguito in termini di rigidezza Valore della resistenza a compressione Valore della resistenza a taglio in assenza di tensioni normali Valore della resistenza a compressione orizzontale Valore della resistenza a compressione dei blocchi  Valore della resistenza a compressione dei blocchi in direzione orizzontale Valore della resistenza a taglio in assenza di tensioni normali per le travi Valore della resistenza a trazione per fessurazione diagonale Valore della massima resistenza a taglio Valore della resistenza a trazione dei blocchi Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4) Coefficiente d'ingranamento utilizzato per la resistenza a taglio Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	E0,05 Resistenza fc0 Resistenza ft0 Resistenza fm Resistenza fv Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Modulo di elasticità corrispondente ad un frattile del 5% Valore della resistenza a compressione parallela Valore della resistenza a trazione parallela Valore della resistenza a flessione Valore della resistenza a taglio Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

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	0.12	1.404e+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
12	acciaio Fe510 - S355			2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05	
	Tensione ft	5100.0							
	Resistenza fd	3550.0							
	Resistenza fd (>40)	3150.0							
	Tensione ammissibile	2400.0							
	Tensione ammissibile (>40)	2100.0							
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Beta assegnato	0.80					
Verifica come controvento	No					
Usa condizioni I e II	Si					
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.20					

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Lunghezze libere</b>						
3-3 Beta * L automatico	Si					
3-3 Beta assegnato	1.00					
3-3 Beta assegnato [ cm ]	0.0					
2-2 Beta * L automatico	Si					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [ cm ]	0.0					
1-1 Beta * L automatico	Si					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [ cm ]	0.0					
<b>Generalità</b>						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.20					
Luce di taglio per GR [ cm ]	0.0					
Usa condizioni I e II	Si					
Momenti equivalenti	Si					

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
<b>Generalità</b>						
Progetta a filo	No					
Af inf: da q*L*L /	0.0					
<b>Armatura</b>						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	Si					
Usa armatura teorica	No					
<b>Stati limite ultimi</b>						
Tensione fy [daN/cm2]	4500.00					
Tensione fy staffe [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	Si					

Fattore di redistribuzione	0.0					
<b>Modello per il confinamento</b>						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
<b>Tensioni ammissibili</b>						
Tensione amm. cls [daN/cm <sup>2</sup> ]	97.50					
Tensione amm. acciaio [daN/cm <sup>2</sup> ]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
<b>Staffe</b>						
Diametro staffe	0.0					
Passo minimo [ cm ]	15.00					
Passo massimo [ cm ]	30.00					
Passo raffittito [ cm ]	15.00					
Lunghezza zona raffittita [ cm ]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [ cm ]	0.0					
Adotta scorrimento medio	No					
Torsione non essenziale inclusa	No					

# MODELLAZIONE DELLE SEZIONI

## LEGENDA TABELLA DATI SEZIONI

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

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

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

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

I dati 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 profilati.

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=50 h=150	7500.00	6250.00	6250.00	4.938e+06	1.563e+06	1.406e+07	6.250e+04	1.875e+05	9.375e+04	2.813e+05
2	Sezione con dati...	61.64	0.0	0.0	4660.00	1385.00	1385.00	123.00	123.00	168.50	168.50
3	Circolare: r=1.16	4.23	3.57	3.57	2.84	1.42	1.42	1.23	1.23	2.08	2.08
4	Rettangolare: b=80 h=150	1.200e+04	1.000e+04	1.000e+04	1.700e+07	6.400e+06	2.250e+07	1.600e+05	3.000e+05	2.400e+05	4.500e+05

# 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:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	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:

<b>Nodo</b>	numero del nodo.
<b>X</b>	valore della coordinata X
<b>Y</b>	valore della coordinata Y
<b>Z</b>	valore della coordinata Z
<b>Note</b>	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).
<b>Note</b>	(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
<b>Rig. TX</b>	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

## TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
4	0.0	0.0	0.0	5	80.0	0.0	0.0	6	130.0	0.0	0.0
7	210.0	0.0	0.0	8	300.0	0.0	0.0	9	400.0	0.0	0.0
10	500.0	0.0	0.0	11	500.0	0.0	0.0	12	700.0	0.0	0.0
13	800.0	0.0	0.0	14	1000.0	0.0	0.0	15	1250.0	0.0	0.0
16	0.0	50.0	0.0	17	80.0	50.0	0.0	18	130.0	50.0	0.0
19	210.0	50.0	0.0	20	300.0	50.0	0.0	21	400.0	50.0	0.0
22	500.0	50.0	0.0	23	600.0	50.0	0.0	24	700.0	50.0	0.0
25	800.0	50.0	0.0	26	1000.0	50.0	0.0	27	1250.0	50.0	0.0
28	0.0	100.0	0.0	29	80.0	100.0	0.0	30	130.0	100.0	0.0
31	210.0	100.0	0.0	32	300.0	100.0	0.0	33	400.0	100.0	0.0
34	500.0	100.0	0.0	35	600.0	100.0	0.0	36	700.0	100.0	0.0
37	800.0	100.0	0.0	38	1000.0	100.0	0.0	39	1250.0	100.0	0.0
40	80.0	125.0	0.0	41	0.0	150.0	0.0	42	80.0	150.0	0.0
43	130.0	150.0	0.0	44	210.0	150.0	0.0	45	300.0	150.0	0.0
46	400.0	150.0	0.0	47	500.0	150.0	0.0	48	600.0	150.0	0.0
49	700.0	150.0	0.0	50	800.0	150.0	0.0	51	1000.0	150.0	0.0
52	1250.0	150.0	0.0	53	0.0	200.0	0.0	54	80.0	200.0	0.0
55	130.0	200.0	0.0	56	210.0	200.0	0.0	57	300.0	200.0	0.0
58	400.0	200.0	0.0	59	500.0	200.0	0.0	60	600.0	200.0	0.0
61	700.0	200.0	0.0	62	800.0	200.0	0.0	63	1000.0	200.0	0.0
64	1250.0	200.0	0.0	65	0.0	250.0	0.0	66	80.0	250.0	0.0
67	130.0	250.0	0.0	68	210.0	250.0	0.0	69	300.0	250.0	0.0
70	400.0	250.0	0.0	71	500.0	250.0	0.0	72	600.0	250.0	0.0
73	700.0	250.0	0.0	74	800.0	250.0	0.0	75	1000.0	250.0	0.0
76	1250.0	250.0	0.0	77	0.0	300.0	0.0	78	80.0	300.0	0.0
79	130.0	300.0	0.0	80	210.0	300.0	0.0	81	300.0	300.0	0.0
82	400.0	300.0	0.0	83	500.0	300.0	0.0	84	600.0	300.0	0.0
85	700.0	300.0	0.0	86	800.0	300.0	0.0	87	1000.0	300.0	0.0
88	1250.0	300.0	0.0	89	0.0	350.0	0.0	90	80.0	350.0	0.0
91	130.0	350.0	0.0	92	210.0	350.0	0.0	93	300.0	350.0	0.0
94	400.0	350.0	0.0	95	500.0	350.0	0.0	96	600.0	350.0	0.0
97	700.0	350.0	0.0	98	800.0	350.0	0.0	99	1000.0	350.0	0.0
100	1250.0	350.0	0.0	101	0.0	400.0	0.0	102	80.0	400.0	0.0
103	130.0	400.0	0.0	104	210.0	400.0	0.0	105	300.0	400.0	0.0
106	400.0	400.0	0.0	107	500.0	400.0	0.0	108	600.0	400.0	0.0
109	700.0	400.0	0.0	110	800.0	400.0	0.0	111	1000.0	400.0	0.0

112	1250.0	400.0	0.0	113	80.0	425.0	0.0	114	0.0	450.0	0.0
115	80.0	450.0	0.0	116	130.0	450.0	0.0	117	210.0	450.0	0.0
118	300.0	450.0	0.0	119	400.0	450.0	0.0	120	500.0	450.0	0.0
121	600.0	450.0	0.0	122	700.0	450.0	0.0	123	800.0	450.0	0.0
124	1000.0	450.0	0.0	125	1250.0	450.0	0.0	126	0.0	500.0	0.0
127	80.0	500.0	0.0	128	130.0	500.0	0.0	129	210.0	500.0	0.0
130	300.0	500.0	0.0	131	400.0	500.0	0.0	132	500.0	500.0	0.0
133	600.0	500.0	0.0	134	700.0	500.0	0.0	135	800.0	500.0	0.0
136	1000.0	500.0	0.0	137	1250.0	500.0	0.0	138	0.0	550.0	0.0
139	80.0	550.0	0.0	140	130.0	550.0	0.0	141	210.0	550.0	0.0
142	300.0	550.0	0.0	143	400.0	550.0	0.0	144	500.0	550.0	0.0
145	600.0	550.0	0.0	146	700.0	550.0	0.0	147	800.0	550.0	0.0
148	1000.0	550.0	0.0	149	1250.0	550.0	0.0	150	0.0	600.0	0.0
151	80.0	600.0	0.0	152	130.0	600.0	0.0	153	210.0	600.0	0.0
154	300.0	600.0	0.0	155	400.0	600.0	0.0	156	500.0	600.0	0.0
157	600.0	600.0	0.0	158	700.0	600.0	0.0	159	800.0	600.0	0.0
160	1000.0	600.0	0.0	161	1250.0	600.0	0.0	162	0.0	650.0	0.0
163	80.0	650.0	0.0	164	130.0	650.0	0.0	165	210.0	650.0	0.0
166	300.0	650.0	0.0	167	400.0	650.0	0.0	168	500.0	650.0	0.0
169	600.0	650.0	0.0	170	700.0	650.0	0.0	171	800.0	650.0	0.0
172	1000.0	650.0	0.0	173	1250.0	650.0	0.0	174	0.0	700.0	0.0
175	80.0	700.0	0.0	176	130.0	700.0	0.0	177	210.0	700.0	0.0
178	300.0	700.0	0.0	179	400.0	700.0	0.0	180	500.0	700.0	0.0
181	600.0	700.0	0.0	182	700.0	700.0	0.0	183	800.0	700.0	0.0
184	1000.0	700.0	0.0	185	1250.0	700.0	0.0	186	80.0	725.0	0.0
187	0.0	750.0	0.0	188	80.0	750.0	0.0	189	130.0	750.0	0.0
190	210.0	750.0	0.0	191	300.0	750.0	0.0	192	400.0	750.0	0.0
193	500.0	750.0	0.0	194	600.0	750.0	0.0	195	700.0	750.0	0.0
196	800.0	750.0	0.0	197	1000.0	750.0	0.0	198	1250.0	750.0	0.0
199	0.0	800.0	0.0	200	80.0	800.0	0.0	201	130.0	800.0	0.0
202	210.0	800.0	0.0	203	300.0	800.0	0.0	204	400.0	800.0	0.0
205	500.0	800.0	0.0	206	600.0	800.0	0.0	207	700.0	800.0	0.0
208	800.0	800.0	0.0	209	1000.0	800.0	0.0	210	1250.0	800.0	0.0
211	0.0	850.0	0.0	212	80.0	850.0	0.0	213	130.0	850.0	0.0
214	210.0	850.0	0.0	215	300.0	850.0	0.0	216	400.0	850.0	0.0
217	500.0	850.0	0.0	218	600.0	850.0	0.0	219	700.0	850.0	0.0
220	800.0	850.0	0.0	221	1000.0	850.0	0.0	222	1250.0	850.0	0.0

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	580.0	125.0	-866.0	v=111111						
2	580.0	425.0	-866.0	v=111111						
3	580.0	725.0	-866.0	v=111111						

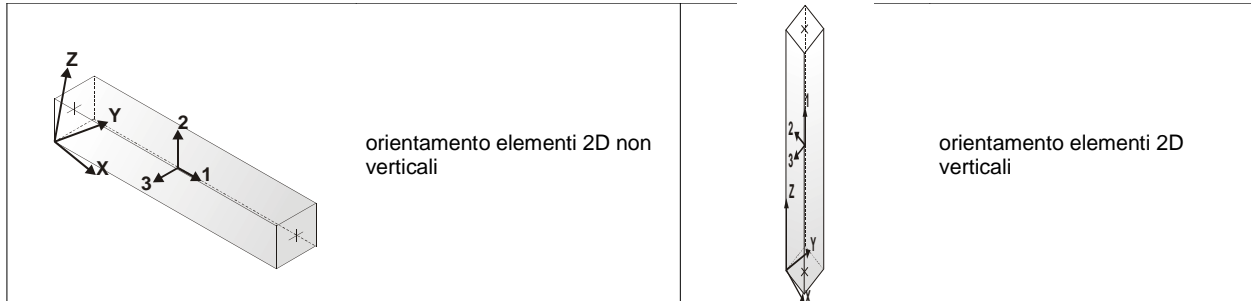
# MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

## TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
						gradi			daN/cm3	daN/cm3
1	Asta	40	1	12	3					
2	Asta	113	2	12	3					
3	Asta	186	3	12	3					
4	Trave	4	5	1	1					
5	Trave	5	6	1	1					
6	Trave	6	7	12	2					
7	Trave	7	8	12	2					
8	Trave f.	8	9	12	2				0.69	0.69
9	Trave f.	9	10	12	2				0.84	0.84
10	Trave f.	10	11	12	2				3.00	3.00
11	Trave f.	11	12	12	2				9.28	9.28
12	Trave f.	12	13	12	2				15.45	15.45
13	Trave f.	13	14	12	2				18.23	18.23
14	Trave f.	14	15	12	2				21.94	21.94
15	Trave	5	17	1	4					
16	Trave	16	17	1	1					
17	Trave	17	18	1	1					
18	Trave	18	19	12	2					
19	Trave	19	20	12	2					
20	Trave f.	20	21	12	2				0.69	0.69
21	Trave f.	21	22	12	2				0.84	0.84
22	Trave f.	22	23	12	2				3.00	3.00
23	Trave f.	23	24	12	2				9.28	9.28
24	Trave f.	24	25	12	2				15.45	15.45
25	Trave f.	25	26	12	2				18.23	18.23
26	Trave f.	26	27	12	2				21.94	21.94
27	Trave	17	29	1	4					
28	Trave	28	29	1	1					
29	Trave	29	30	1	1					
30	Trave	30	31	12	2					
31	Trave	31	32	12	2					
32	Trave f.	32	33	12	2				0.69	0.69



33	Trave f.	33	34	12	2				0.84	0.84
34	Trave f.	34	35	12	2				3.00	3.00
35	Trave f.	35	36	12	2				9.28	9.28
36	Trave f.	36	37	12	2				15.45	15.45
37	Trave f.	37	38	12	2				18.23	18.23
38	Trave f.	38	39	12	2				21.94	21.94
39	Trave	29	40	1	4					
40	Trave	40	42	1	4					
41	Trave	41	42	1	1					
42	Trave	42	43	1	1					
43	Trave	43	44	12	2					
44	Trave	44	45	12	2					
45	Trave f.	45	46	12	2				0.69	0.69
46	Trave f.	46	47	12	2				0.84	0.84
47	Trave f.	47	48	12	2				3.00	3.00
48	Trave f.	48	49	12	2				9.28	9.28
49	Trave f.	49	50	12	2				15.45	15.45
50	Trave f.	50	51	12	2				18.23	18.23
51	Trave f.	51	52	12	2				21.94	21.94
52	Trave	42	54	1	4					
53	Trave	53	54	1	1					
54	Trave	54	55	1	1					
55	Trave	55	56	12	2					
56	Trave	56	57	12	2					
57	Trave f.	57	58	12	2				0.69	0.69
58	Trave f.	58	59	12	2				0.84	0.84
59	Trave f.	59	60	12	2				3.00	3.00
60	Trave f.	60	61	12	2				9.28	9.28
61	Trave f.	61	62	12	2				15.45	15.45
62	Trave f.	62	63	12	2				18.23	18.23
63	Trave f.	63	64	12	2				21.94	21.94
64	Trave	54	66	1	4					
65	Trave	65	66	1	1					
66	Trave	66	67	1	1					
67	Trave	67	68	12	2					
68	Trave	68	69	12	2					
69	Trave f.	69	70	12	2				0.69	0.69
70	Trave f.	70	71	12	2				0.84	0.84
71	Trave f.	71	72	12	2				3.00	3.00
72	Trave f.	72	73	12	2				9.28	9.28
73	Trave f.	73	74	12	2				15.45	15.45
74	Trave f.	74	75	12	2				18.23	18.23
75	Trave f.	75	76	12	2				21.94	21.94
76	Trave	66	78	1	4					
77	Trave	77	78	1	1					
78	Trave	78	79	1	1					
79	Trave	79	80	12	2					
80	Trave	80	81	12	2					
81	Trave f.	81	82	12	2				0.69	0.69
82	Trave f.	82	83	12	2				0.84	0.84
83	Trave f.	83	84	12	2				3.00	3.00
84	Trave f.	84	85	12	2				9.28	9.28
85	Trave f.	85	86	12	2				15.45	15.45
86	Trave f.	86	87	12	2				18.23	18.23
87	Trave f.	87	88	12	2				21.94	21.94
88	Trave	78	90	1	4					
89	Trave	89	90	1	1					
90	Trave	90	91	1	1					
91	Trave	91	92	12	2					
92	Trave	92	93	12	2					
93	Trave f.	93	94	12	2				0.69	0.69
94	Trave f.	94	95	12	2				0.84	0.84
95	Trave f.	95	96	12	2				3.00	3.00
96	Trave f.	96	97	12	2				9.28	9.28
97	Trave f.	97	98	12	2				15.45	15.45
98	Trave f.	98	99	12	2				18.23	18.23
99	Trave f.	99	100	12	2				21.94	21.94
100	Trave	90	102	1	4					
101	Trave	101	102	1	1					
102	Trave	102	103	1	1					
103	Trave	103	104	12	2					

104	Trave	104	105	12	2					
105	Trave f.	105	106	12	2				0.69	0.69
106	Trave f.	106	107	12	2				0.84	0.84
107	Trave f.	107	108	12	2				8.00	8.00
108	Trave f.	108	109	12	2				9.28	9.28
109	Trave f.	109	110	12	2				15.45	15.45
110	Trave f.	110	111	12	2				18.23	18.23
111	Trave f.	111	112	12	2				21.94	21.94
112	Trave	102	113	1	4					
113	Trave	113	115	1	4					
114	Trave	114	115	1	1					
115	Trave	115	116	1	1					
116	Trave	116	117	12	2					
117	Trave	117	118	12	2					
118	Trave f.	118	119	12	2				0.69	0.69
119	Trave f.	119	120	12	2				0.84	0.84
120	Trave f.	120	121	12	2				8.00	8.00
121	Trave f.	121	122	12	2				9.28	9.28
122	Trave f.	122	123	12	2				15.45	15.45
123	Trave f.	123	124	12	2				18.23	18.23
124	Trave f.	124	125	12	2				21.94	21.94
125	Trave	115	127	1	4					
126	Trave	126	127	1	1					
127	Trave	127	128	1	1					
128	Trave	128	129	12	2					
129	Trave	129	130	12	2					
130	Trave f.	130	131	12	2				0.69	0.69
131	Trave f.	131	132	12	2				0.84	0.84
132	Trave f.	132	133	12	2				8.00	8.00
133	Trave f.	133	134	12	2				9.28	9.28
134	Trave f.	134	135	12	2				15.45	15.45
135	Trave f.	135	136	12	2				18.23	18.23
136	Trave f.	136	137	12	2				21.94	21.94
137	Trave	127	139	1	4					
138	Trave	138	139	1	1					
139	Trave	139	140	1	1					
140	Trave	140	141	12	2					
141	Trave	141	142	12	2					
142	Trave f.	142	143	12	2				0.69	0.69
143	Trave f.	143	144	12	2				0.84	0.84
144	Trave f.	144	145	12	2				8.00	8.00
145	Trave f.	145	146	12	2				9.28	9.28
146	Trave f.	146	147	12	2				15.45	15.45
147	Trave f.	147	148	12	2				18.23	18.23
148	Trave f.	148	149	12	2				21.94	21.94
149	Trave	139	151	1	4					
150	Trave	150	151	1	1					
151	Trave	151	152	1	1					
152	Trave	152	153	12	2					
153	Trave	153	154	12	2					
154	Trave f.	154	155	12	2				0.69	0.69
155	Trave f.	155	156	12	2				0.84	0.84
156	Trave f.	156	157	12	2				8.00	8.00
157	Trave f.	157	158	12	2				9.28	9.28
158	Trave f.	158	159	12	2				15.45	15.45
159	Trave f.	159	160	12	2				18.23	18.23
160	Trave f.	160	161	12	2				21.94	21.94
161	Trave	151	163	1	4					
162	Trave	162	163	1	1					
163	Trave	163	164	1	1					
164	Trave	164	165	12	2					
165	Trave	165	166	12	2					
166	Trave f.	166	167	12	2				0.69	0.69
167	Trave f.	167	168	12	2				0.84	0.84
168	Trave f.	168	169	12	2				8.00	8.00
169	Trave f.	169	170	12	2				9.28	9.28
170	Trave f.	170	171	12	2				15.45	15.45
171	Trave f.	171	172	12	2				18.23	18.23
172	Trave f.	172	173	12	2				21.94	21.94
173	Trave	163	175	1	4					
174	Trave	174	175	1	1					

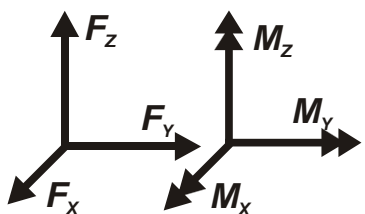
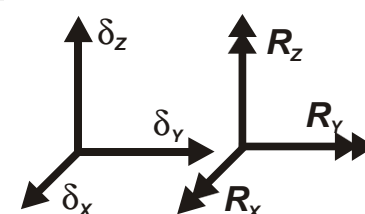
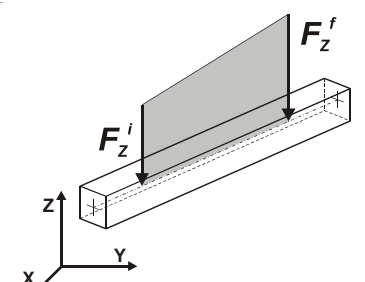
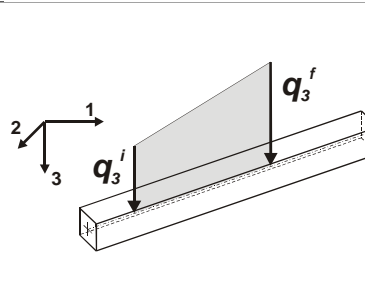
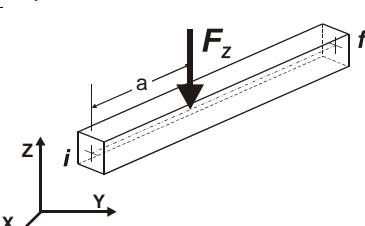
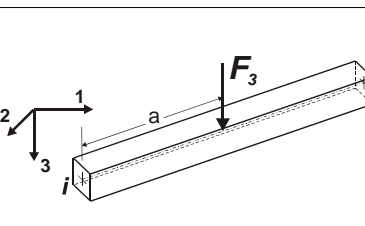
175	Trave	175	176	1	1					
176	Trave	176	177	12	2					
177	Trave	177	178	12	2					
178	Trave f.	178	179	12	2				0.69	0.69
179	Trave f.	179	180	12	2				0.84	0.84
180	Trave f.	180	181	12	2				8.00	8.00
181	Trave f.	181	182	12	2				9.28	9.28
182	Trave f.	182	183	12	2				15.45	15.45
183	Trave f.	183	184	12	2				18.23	18.23
184	Trave f.	184	185	12	2				21.94	21.94
185	Trave	175	186	1	4					
186	Trave	186	188	1	4					
187	Trave	187	188	1	1					
188	Trave	188	189	1	1					
189	Trave	189	190	12	2					
190	Trave	190	191	12	2					
191	Trave f.	191	192	12	2				0.69	0.69
192	Trave f.	192	193	12	2				0.84	0.84
193	Trave f.	193	194	12	2				8.00	8.00
194	Trave f.	194	195	12	2				9.28	9.28
195	Trave f.	195	196	12	2				15.45	15.45
196	Trave f.	196	197	12	2				18.23	18.23
197	Trave f.	197	198	12	2				21.94	21.94
198	Trave	188	200	1	4					
199	Trave	199	200	1	1					
200	Trave	200	201	1	1					
201	Trave	201	202	12	2					
202	Trave	202	203	12	2					
203	Trave f.	203	204	12	2				0.69	0.69
204	Trave f.	204	205	12	2				0.84	0.84
205	Trave f.	205	206	12	2				8.00	8.00
206	Trave f.	206	207	12	2				9.28	9.28
207	Trave f.	207	208	12	2				15.45	15.45
208	Trave f.	208	209	12	2				18.23	18.23
209	Trave f.	209	210	12	2				21.94	21.94
210	Trave	200	212	1	4					
211	Trave	211	212	1	1					
212	Trave	212	213	1	1					
213	Trave	213	214	12	2					
214	Trave	214	215	12	2					
215	Trave f.	215	216	12	2				0.69	0.69
216	Trave f.	216	217	12	2				0.84	0.84
217	Trave f.	217	218	12	2				8.00	8.00
218	Trave f.	218	219	12	2				9.28	9.28
219	Trave f.	219	220	12	2				15.45	15.45
220	Trave f.	220	221	12	2				18.23	18.23
221	Trave f.	221	222	12	2				21.94	21.94

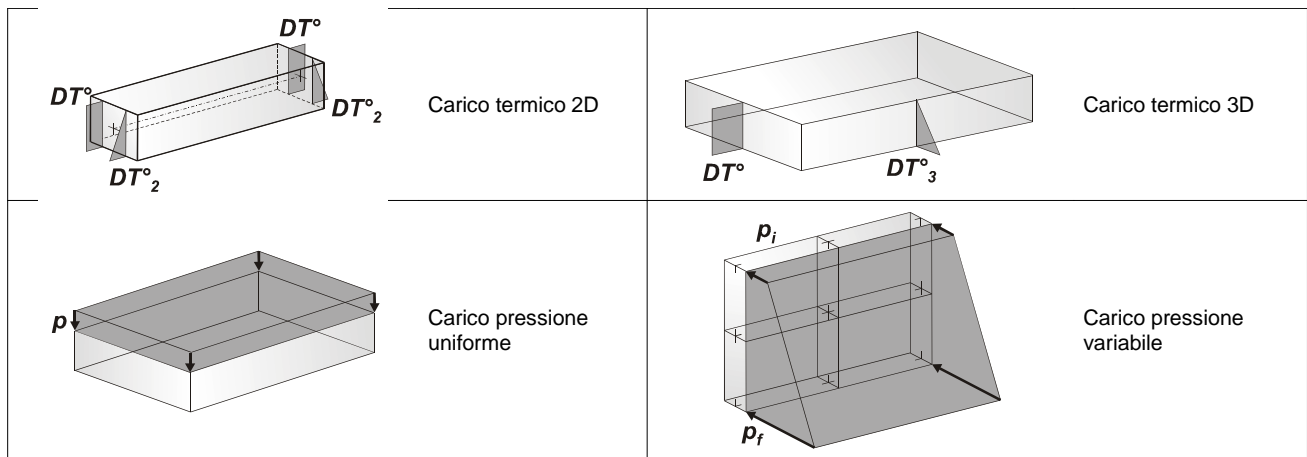
# MODELLAZIONE DELLE AZIONI

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

	Carico concentrato nodale		Spostamento impresso
	Carico distribuito globale		Carico distribuito locale
	Carico concentrato globale		Carico concentrato locale



**Tipo** | carico distribuito globale su trave

Id	Tipo	Pos. cm	fx daN/cm	fy daN/cm	fz daN/cm	mx daN	my daN	mz daN
1	DG:Fzf=9.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	9.79	0.0	0.0	0.0
2	DG:Fzi=9.79 Fzf=15.91	0.0	0.0	0.0	9.79	0.0	0.0	0.0
		0.0	0.0	0.0	15.91	0.0	0.0	0.0
3	DG:Fzi=15.91 Fzf=25.70	0.0	0.0	0.0	15.91	0.0	0.0	0.0
		0.0	0.0	0.0	25.70	0.0	0.0	0.0
4	DG:Fzi=25.70 Fzf=36.72	0.0	0.0	0.0	25.70	0.0	0.0	0.0
		0.0	0.0	0.0	36.72	0.0	0.0	0.0
5	DG:Fzi=36.72 Fzf=42.84	0.0	0.0	0.0	36.72	0.0	0.0	0.0
		0.0	0.0	0.0	42.84	0.0	0.0	0.0
6	DG:Fzi=42.84 Fzf=48.96	0.0	0.0	0.0	42.84	0.0	0.0	0.0
		0.0	0.0	0.0	48.96	0.0	0.0	0.0
7	DG:Fzi=24.46 Fzf=28.56	0.0	0.0	0.0	24.46	0.0	0.0	0.0
		0.0	0.0	0.0	28.56	0.0	0.0	0.0
8	DG:Fzi=28.56 Fzf=32.66	0.0	0.0	0.0	28.56	0.0	0.0	0.0
		0.0	0.0	0.0	32.66	0.0	0.0	0.0
9	DG:Fzi=25.54 Fzf=29.21	0.0	0.0	0.0	25.54	0.0	0.0	0.0
		0.0	0.0	0.0	29.21	0.0	0.0	0.0
10	DG:Fzi=29.21 Fzf=36.55	0.0	0.0	0.0	29.21	0.0	0.0	0.0
		0.0	0.0	0.0	36.55	0.0	0.0	0.0
11	DG:Fzi=36.55 Fzf=45.72	0.0	0.0	0.0	36.55	0.0	0.0	0.0
		0.0	0.0	0.0	45.72	0.0	0.0	0.0
12	DG:Fzf=4.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	4.78	0.0	0.0	0.0
13	DG:Fzi=4.78 Fzf=7.76	0.0	0.0	0.0	4.78	0.0	0.0	0.0
		0.0	0.0	0.0	7.76	0.0	0.0	0.0
14	DG:Fzi=7.76 Fzf=12.54	0.0	0.0	0.0	7.76	0.0	0.0	0.0
		0.0	0.0	0.0	12.54	0.0	0.0	0.0
15	DG:Fzi=12.54 Fzf=17.91	0.0	0.0	0.0	12.54	0.0	0.0	0.0
		0.0	0.0	0.0	17.91	0.0	0.0	0.0
16	DG:Fzi=17.91 Fzf=20.89	0.0	0.0	0.0	17.91	0.0	0.0	0.0
		0.0	0.0	0.0	20.89	0.0	0.0	0.0
17	DG:Fzi=20.89 Fzf=23.68	0.0	0.0	0.0	20.89	0.0	0.0	0.0
		0.0	0.0	0.0	23.68	0.0	0.0	0.0
18	DG:Fzi=10.05 Fzf=11.87	0.0	0.0	0.0	10.05	0.0	0.0	0.0
		0.0	0.0	0.0	11.87	0.0	0.0	0.0
19	DG:Fzi=11.87 Fzf=13.68	0.0	0.0	0.0	11.87	0.0	0.0	0.0
		0.0	0.0	0.0	13.68	0.0	0.0	0.0
20	DG:Fzi=11.11 Fzf=12.84	0.0	0.0	0.0	11.11	0.0	0.0	0.0
		0.0	0.0	0.0	12.84	0.0	0.0	0.0
21	DG:Fzi=12.84 Fzf=16.29	0.0	0.0	0.0	12.84	0.0	0.0	0.0
		0.0	0.0	0.0	16.29	0.0	0.0	0.0
22	DG:Fzi=16.29 Fzf=20.60	0.0	0.0	0.0	16.29	0.0	0.0	0.0
		0.0	0.0	0.0	20.60	0.0	0.0	0.0

# SCHEMATIZZAZIONE DEI CASI DI CARICO

## LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

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

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

<b>CDC</b>	<b>Tipo</b>	<b>Sigla Id</b>	<b>Note</b>
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	CDC= SLU/SLV	D2 : 4 Azione : DG:Fzf=9.79
			D2 : 5 Azione : DG:Fzi=9.79 Fzf=15.91
			D2 : 6 Azione : DG:Fzi=15.91 Fzf=25.70
			D2 : 7 Azione : DG:Fzi=25.70 Fzf=36.72
			D2 : 8 Azione : DG:Fzi=36.72 Fzf=42.84
			D2 : 9 Azione : DG:Fzi=42.84 Fzf=48.96
			D2 : 10 Azione : DG:Fzi=24.46 Fzf=28.56
			D2 : 11 Azione : DG:Fzi=28.56 Fzf=32.66
			D2 : 12 Azione : DG:Fzi=25.54 Fzf=29.21
			D2 : 13 Azione : DG:Fzi=29.21 Fzf=36.55
			D2 : 14 Azione : DG:Fzi=36.55 Fzf=45.72
			D2 : 16 Azione : DG:Fzf=9.79
			D2 : 17 Azione : DG:Fzi=9.79 Fzf=15.91
			D2 : 18 Azione : DG:Fzi=15.91 Fzf=25.70
			D2 : 19 Azione : DG:Fzi=25.70 Fzf=36.72
			D2 : 20 Azione : DG:Fzi=36.72 Fzf=42.84
			D2 : 21 Azione : DG:Fzi=42.84 Fzf=48.96
			D2 : 22 Azione : DG:Fzi=24.46 Fzf=28.56
			D2 : 23 Azione : DG:Fzi=28.56 Fzf=32.66
			D2 : 24 Azione : DG:Fzi=25.54 Fzf=29.21
			D2 : 25 Azione : DG:Fzi=29.21 Fzf=36.55
			D2 : 26 Azione : DG:Fzi=36.55 Fzf=45.72
			D2 : 28 Azione : DG:Fzf=9.79
			D2 : 29 Azione : DG:Fzi=9.79 Fzf=15.91
			D2 : 30 Azione : DG:Fzi=15.91 Fzf=25.70
			D2 : 31 Azione : DG:Fzi=25.70 Fzf=36.72
			D2 : 32 Azione : DG:Fzi=36.72 Fzf=42.84
			D2 : 33 Azione : DG:Fzi=42.84 Fzf=48.96
			D2 : 34 Azione : DG:Fzi=24.46 Fzf=28.56

		D2 : 35 Azione : DG:Fzi=28.56 Fzf=32.66
		D2 : 36 Azione : DG:Fzi=25.54 Fzf=29.21
		D2 : 37 Azione : DG:Fzi=29.21 Fzf=36.55
		D2 : 38 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 41 Azione : DG:Fzf=9.79
		D2 : 42 Azione : DG:Fzi=9.79 Fzf=15.91
		D2 : 43 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 44 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 45 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 46 Azione : DG:Fzi=42.84 Fzf=48.96
		D2 : 47 Azione : DG:Fzi=24.46 Fzf=28.56
		D2 : 48 Azione : DG:Fzi=28.56 Fzf=32.66
		D2 : 49 Azione : DG:Fzi=25.54 Fzf=29.21
		D2 : 50 Azione : DG:Fzi=29.21 Fzf=36.55
		D2 : 51 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 53 Azione : DG:Fzf=9.79
		D2 : 54 Azione : DG:Fzi=9.79 Fzf=15.91
		D2 : 55 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 56 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 57 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 58 Azione : DG:Fzi=42.84 Fzf=48.96
		D2 : 59 Azione : DG:Fzi=24.46 Fzf=28.56
		D2 : 60 Azione : DG:Fzi=28.56 Fzf=32.66
		D2 : 61 Azione : DG:Fzi=25.54 Fzf=29.21
		D2 : 62 Azione : DG:Fzi=29.21 Fzf=36.55
		D2 : 63 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 65 Azione : DG:Fzf=9.79
		D2 : 66 Azione : DG:Fzi=9.79 Fzf=15.91
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		D2 : 69 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 70 Azione : DG:Fzi=42.84 Fzf=48.96
		D2 : 71 Azione : DG:Fzi=24.46 Fzf=28.56
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		D2 : 75 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 77 Azione : DG:Fzf=9.79
		D2 : 78 Azione : DG:Fzi=9.79 Fzf=15.91
		D2 : 79 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 80 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 81 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 82 Azione : DG:Fzi=42.84 Fzf=48.96
		D2 : 83 Azione : DG:Fzi=24.46 Fzf=28.56
		D2 : 84 Azione : DG:Fzi=28.56 Fzf=32.66
		D2 : 85 Azione : DG:Fzi=25.54 Fzf=29.21
		D2 : 86 Azione : DG:Fzi=29.21 Fzf=36.55
		D2 : 87 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 89 Azione : DG:Fzf=9.79
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		D2 : 91 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 92 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 93 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 94 Azione : DG:Fzi=42.84 Fzf=48.96
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		D2 : 96 Azione : DG:Fzi=28.56 Fzf=32.66
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		D2 : 109 Azione : DG:Fzi=25.54 Fzf=29.21
		D2 : 110 Azione : DG:Fzi=29.21 Fzf=36.55
		D2 : 111 Azione : DG:Fzi=36.55 Fzf=45.72
		D2 : 114 Azione : DG:Fzf=9.79

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		D2 : 116 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 117 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 118 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 119 Azione : DG:Fzi=42.84 Fzf=48.96
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		D2 : 131 Azione : DG:Fzi=42.84 Fzf=48.96
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		D2 : 164 Azione : DG:Fzi=15.91 Fzf=25.70
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		D2 : 166 Azione : DG:Fzi=36.72 Fzf=42.84
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		D2 : 187 Azione : DG:Fzf=9.79
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		D2 : 189 Azione : DG:Fzi=15.91 Fzf=25.70
		D2 : 190 Azione : DG:Fzi=25.70 Fzf=36.72
		D2 : 191 Azione : DG:Fzi=36.72 Fzf=42.84
		D2 : 192 Azione : DG:Fzi=42.84 Fzf=48.96



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			D2 : 194 Azione : DG:Fzi=28.56 Fzf=32.66
			D2 : 195 Azione : DG:Fzi=25.54 Fzf=29.21
			D2 : 196 Azione : DG:Fzi=29.21 Fzf=36.55
			D2 : 197 Azione : DG:Fzi=36.55 Fzf=45.72
			D2 : 199 Azione : DG:Fzf=9.79
			D2 : 200 Azione : DG:Fzi=9.79 Fzf=15.91
			D2 : 201 Azione : DG:Fzi=15.91 Fzf=25.70
			D2 : 202 Azione : DG:Fzi=25.70 Fzf=36.72
			D2 : 203 Azione : DG:Fzi=36.72 Fzf=42.84
			D2 : 204 Azione : DG:Fzi=42.84 Fzf=48.96
			D2 : 205 Azione : DG:Fzi=24.46 Fzf=28.56
			D2 : 206 Azione : DG:Fzi=28.56 Fzf=32.66
			D2 : 207 Azione : DG:Fzi=25.54 Fzf=29.21
			D2 : 208 Azione : DG:Fzi=29.21 Fzf=36.55
			D2 : 209 Azione : DG:Fzi=36.55 Fzf=45.72
			D2 : 211 Azione : DG:Fzf=9.79
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			D2 : 214 Azione : DG:Fzi=25.70 Fzf=36.72
			D2 : 215 Azione : DG:Fzi=36.72 Fzf=42.84
			D2 : 216 Azione : DG:Fzi=42.84 Fzf=48.96
			D2 : 217 Azione : DG:Fzi=24.46 Fzf=28.56
			D2 : 218 Azione : DG:Fzi=28.56 Fzf=32.66
			D2 : 219 Azione : DG:Fzi=25.54 Fzf=29.21
			D2 : 220 Azione : DG:Fzi=29.21 Fzf=36.55
			D2 : 221 Azione : DG:Fzi=36.55 Fzf=45.72
3	Gk	CDC= SLE	D2 : 4 Azione : DG:Fzf=4.78
			D2 : 5 Azione : DG:Fzi=4.78 Fzf=7.76
			D2 : 6 Azione : DG:Fzi=7.76 Fzf=12.54
			D2 : 7 Azione : DG:Fzi=12.54 Fzf=17.91
			D2 : 8 Azione : DG:Fzi=17.91 Fzf=20.89
			D2 : 9 Azione : DG:Fzi=20.89 Fzf=23.68
			D2 : 10 Azione : DG:Fzi=10.05 Fzf=11.87
			D2 : 11 Azione : DG:Fzi=11.87 Fzf=13.68
			D2 : 12 Azione : DG:Fzi=11.11 Fzf=12.84
			D2 : 13 Azione : DG:Fzi=12.84 Fzf=16.29
			D2 : 14 Azione : DG:Fzi=16.29 Fzf=20.60
			D2 : 16 Azione : DG:Fzf=4.78
			D2 : 17 Azione : DG:Fzi=4.78 Fzf=7.76
			D2 : 18 Azione : DG:Fzi=7.76 Fzf=12.54
			D2 : 19 Azione : DG:Fzi=12.54 Fzf=17.91
			D2 : 20 Azione : DG:Fzi=17.91 Fzf=20.89
			D2 : 21 Azione : DG:Fzi=20.89 Fzf=23.68
			D2 : 22 Azione : DG:Fzi=10.05 Fzf=11.87
			D2 : 23 Azione : DG:Fzi=11.87 Fzf=13.68
			D2 : 24 Azione : DG:Fzi=11.11 Fzf=12.84
			D2 : 25 Azione : DG:Fzi=12.84 Fzf=16.29
			D2 : 26 Azione : DG:Fzi=16.29 Fzf=20.60
			D2 : 28 Azione : DG:Fzf=4.78
			D2 : 29 Azione : DG:Fzi=4.78 Fzf=7.76
			D2 : 30 Azione : DG:Fzi=7.76 Fzf=12.54
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			D2 : 32 Azione : DG:Fzi=17.91 Fzf=20.89
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			D2 : 36 Azione : DG:Fzi=11.11 Fzf=12.84
			D2 : 37 Azione : DG:Fzi=12.84 Fzf=16.29
			D2 : 38 Azione : DG:Fzi=16.29 Fzf=20.60
			D2 : 41 Azione : DG:Fzf=4.78
			D2 : 42 Azione : DG:Fzi=4.78 Fzf=7.76
			D2 : 43 Azione : DG:Fzi=7.76 Fzf=12.54
			D2 : 44 Azione : DG:Fzi=12.54 Fzf=17.91
			D2 : 45 Azione : DG:Fzi=17.91 Fzf=20.89
			D2 : 46 Azione : DG:Fzi=20.89 Fzf=23.68
			D2 : 47 Azione : DG:Fzi=10.05 Fzf=11.87
			D2 : 48 Azione : DG:Fzi=11.87 Fzf=13.68
			D2 : 49 Azione : DG:Fzi=11.11 Fzf=12.84
			D2 : 50 Azione : DG:Fzi=12.84 Fzf=16.29
			D2 : 51 Azione : DG:Fzi=16.29 Fzf=20.60

		D2 : 53 Azione : DG:Fzf=4.78
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		D2 : 59 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 60 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 61 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 62 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 63 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 65 Azione : DG:Fzf=4.78
		D2 : 66 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 67 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 68 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 69 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 70 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 71 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 72 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 73 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 74 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 75 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 77 Azione : DG:Fzf=4.78
		D2 : 78 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 79 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 80 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 81 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 82 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 83 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 84 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 85 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 86 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 87 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 89 Azione : DG:Fzf=4.78
		D2 : 90 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 91 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 92 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 93 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 94 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 95 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 96 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 97 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 98 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 99 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 101 Azione : DG:Fzf=4.78
		D2 : 102 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 103 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 104 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 105 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 106 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 107 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 108 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 109 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 110 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 111 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 114 Azione : DG:Fzf=4.78
		D2 : 115 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 116 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 117 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 118 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 119 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 120 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 121 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 122 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 123 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 124 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 126 Azione : DG:Fzf=4.78
		D2 : 127 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 128 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 129 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 130 Azione : DG:Fzi=17.91 Fzf=20.89

		D2 : 131 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 132 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 133 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 134 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 135 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 136 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 138 Azione : DG:Fzf=4.78
		D2 : 139 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 140 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 141 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 142 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 143 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 144 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 145 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 146 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 147 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 148 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 150 Azione : DG:Fzf=4.78
		D2 : 151 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 152 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 153 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 154 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 155 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 156 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 157 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 158 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 159 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 160 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 162 Azione : DG:Fzf=4.78
		D2 : 163 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 164 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 165 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 166 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 167 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 168 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 169 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 170 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 171 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 172 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 174 Azione : DG:Fzf=4.78
		D2 : 175 Azione : DG:Fzi=4.78 Fzf=7.76
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		D2 : 178 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 179 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 180 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 181 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 182 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 183 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 184 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 187 Azione : DG:Fzf=4.78
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		D2 : 195 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 196 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 197 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 199 Azione : DG:Fzf=4.78
		D2 : 200 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 201 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 202 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 203 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 204 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 205 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 206 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 207 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 208 Azione : DG:Fzi=12.84 Fzf=16.29

		D2 : 209 Azione : DG:Fzi=16.29 Fzf=20.60
		D2 : 211 Azione : DG:Fzf=4.78
		D2 : 212 Azione : DG:Fzi=4.78 Fzf=7.76
		D2 : 213 Azione : DG:Fzi=7.76 Fzf=12.54
		D2 : 214 Azione : DG:Fzi=12.54 Fzf=17.91
		D2 : 215 Azione : DG:Fzi=17.91 Fzf=20.89
		D2 : 216 Azione : DG:Fzi=20.89 Fzf=23.68
		D2 : 217 Azione : DG:Fzi=10.05 Fzf=11.87
		D2 : 218 Azione : DG:Fzi=11.87 Fzf=13.68
		D2 : 219 Azione : DG:Fzi=11.11 Fzf=12.84
		D2 : 220 Azione : DG:Fzi=12.84 Fzf=16.29
		D2 : 221 Azione : DG:Fzi=16.29 Fzf=20.60



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

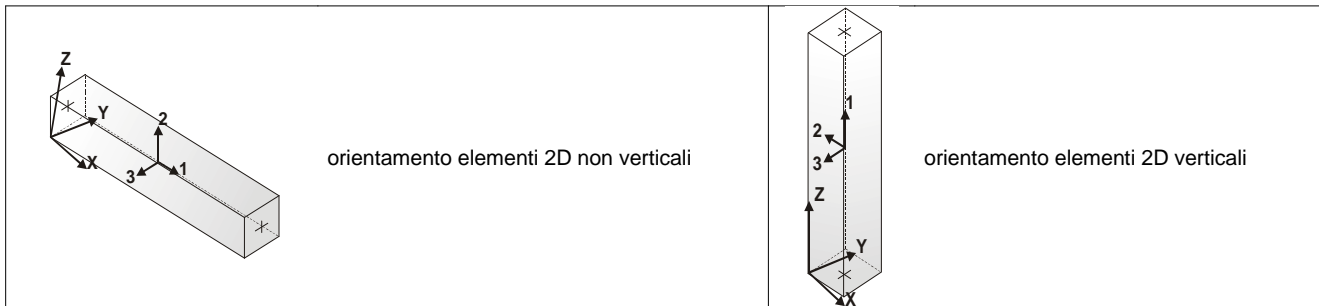
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



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
1	1	0.0	0.0	0.0	0.0	0.0	2.477e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	2.477e+04	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.0	0.0	0.0	0.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
2	1	0.0	0.0	0.0	0.0	0.0	2.475e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	2.475e+04	0.0	0.0	0.0	0.0	0.0
2	2	0.0	0.0	0.0	0.0	0.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
3	1	0.0	0.0	0.0	0.0	0.0	2.477e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	2.477e+04	0.0	0.0	0.0	0.0	0.0
3	2	0.0	0.0	0.0	0.0	0.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	1000.0	1.209e+04	0.0	0.0	0.0	0.0	0.0
4	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	1.56e-03	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
4	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	7.65e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
5	1	1.007e+04	-723.68	0.31	642.50	0.0	-1829.45	-3181.22	3.32	56.17	-889.83	1.007e+04
		-1.342e+05	-889.83	9.76e-04	0.0	50.0	-1829.45	-2538.72	3.32	56.17	-723.68	-1.342e+05
5	2	4915.77	-353.34	0.15	313.50	0.0	-893.23	-1553.23	1.62	27.42	-434.46	4915.77
		-6.553e+04	-434.46	4.76e-04	0.0	50.0	-893.23	-1239.73	1.62	27.42	-353.34	-6.553e+04
6	1	-1.342e+05	-457.85	0.28	1664.40	0.0	-1829.45	-2538.72	3.32	56.17	-723.68	-1.342e+05
		-2.759e+05	-723.68	8.60e-04	0.0	80.0	-1829.45	-874.32	3.32	56.17	-457.85	-2.759e+05
6	2	-6.553e+04	-223.55	0.13	812.00	0.0	-893.23	-1239.73	1.62	27.42	-353.34	-6.553e+04
		-1.348e+05	-353.34	4.20e-04	0.0	80.0	-893.23	-427.73	1.62	27.42	-223.55	-1.348e+05
7	1	-2.357e+05	-158.79	-0.38	2808.90	0.0	-1829.45	-874.32	3.32	56.17	-457.85	-2.357e+05
		-2.900e+05	-457.85	-2.08e-04	0.0	90.0	-1829.45	1934.58	3.32	56.17	-158.79	-2.357e+05
7	2	-1.152e+05	-77.53	-0.19	1370.25	0.0	-893.23	-427.73	1.62	27.42	-223.55	-1.348e+05
		-1.417e+05	-223.55	-1.02e-04	0.0	90.0	-893.23	942.52	1.62	27.42	-77.53	-1.152e+05



		6.10e-05	0.0	6.40e-05	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
54	1	1.048e+04	-60.27	0.31	642.50	0.0	-2097.83	-3183.11	0.28	20.75	-74.10	1.048e+04
		-1.339e+05	-74.10	8.07e-05	0.0	50.0	-2097.83	-2540.61	0.28	20.75	-60.27	-1.339e+05
54	2	5118.90	-29.43	0.15	313.50	0.0	-1024.27	-1554.16	0.14	10.13	-36.18	5118.90
		-6.537e+04	-36.18	3.94e-05	0.0	50.0	-1024.27	-1240.66	0.14	10.13	-29.43	-6.537e+04
55	1	-1.339e+05	-38.14	0.28	1664.40	0.0	-2097.83	-2540.61	0.28	20.75	-60.27	-1.339e+05
		-2.758e+05	-60.27	7.18e-05	0.0	80.0	-2097.83	-876.21	0.28	20.75	-38.14	-2.758e+05
55	2	-6.537e+04	-18.62	0.13	312.00	0.0	-1024.27	-1240.66	0.14	10.13	-29.43	-6.537e+04
		-1.347e+05	-29.43	3.50e-05	0.0	80.0	-1024.27	-428.66	0.14	10.13	-18.62	-1.347e+05
56	1	-2.357e+05	-13.24	-0.38	2808.90	0.0	-2097.83	-876.21	0.28	20.75	-38.14	-2.357e+05
		-2.899e+05	-38.14	-1.72e-05	0.0	90.0	-2097.83	1932.69	0.28	20.75	-13.24	-2.357e+05
56	2	-1.152e+05	-6.47	-0.19	1370.25	0.0	-1024.27	-428.66	0.14	10.13	-18.62	-1.347e+05
		-1.416e+05	-18.62	-8.38e-06	0.0	90.0	-1024.27	941.59	0.14	10.13	-6.47	-1.152e+05
64	1	1.776e+05	8.315e+04	-1.56e-04	0.0	0.0	-9.99	-3582.26	2369.65	-593.01	-3.533e+04	1.776e+05
		-1487.09	-3.533e+04	-4.36e-06	0.0	50.0	-9.99	-3582.26	2369.65	-593.01	8.315e+04	-1487.09
64	2	8.673e+04	4.060e+04	-7.63e-05	0.0	0.0	-4.88	-1749.05	1156.99	-289.54	-1.725e+04	8.673e+04
		-726.07	-1.725e+04	-2.13e-06	0.0	50.0	-4.88	-1749.05	1156.99	-289.54	4.060e+04	-726.07
65	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	1.79e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
65	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	8.72e-05	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
66	1	1.051e+04	-82.27	0.31	642.50	0.0	-2097.80	-3183.22	0.38	18.63	-101.15	1.051e+04
		-1.339e+05	-101.15	1.10e-04	0.0	50.0	-2097.80	-2540.72	0.38	18.63	-82.27	-1.339e+05
66	2	5130.96	-40.17	0.15	313.50	0.0	-1024.26	-1554.21	0.18	9.09	-49.39	5130.96
		-6.536e+04	-49.39	5.39e-05	0.0	50.0	-1024.26	-1240.71	0.18	9.09	-40.17	-6.536e+04
67	1	-1.339e+05	-52.05	0.28	1664.40	0.0	-2097.80	-2540.72	0.38	18.63	-82.27	-1.339e+05
		-2.758e+05	-82.27	9.78e-05	0.0	80.0	-2097.80	-876.32	0.38	18.63	-52.05	-2.758e+05
67	2	-6.536e+04	-25.42	0.13	312.00	0.0	-1024.26	-1240.71	0.18	9.09	-40.17	-6.536e+04
		-1.347e+05	-40.17	4.78e-05	0.0	80.0	-1024.26	-428.71	0.18	9.09	-25.42	-1.347e+05
68	1	-2.357e+05	-18.06	-0.38	2808.90	0.0	-2097.80	-876.32	0.38	18.63	-52.05	-2.357e+05
		-2.899e+05	-52.05	-2.35e-05	0.0	90.0	-2097.80	1932.58	0.38	18.63	-18.06	-2.357e+05
68	2	-1.152e+05	-8.82	-0.19	1370.25	0.0	-1024.26	-428.71	0.18	9.09	-25.42	-1.347e+05
		-1.416e+05	-25.42	-1.15e-05	0.0	90.0	-1024.26	941.54	0.18	9.09	-8.82	-1.152e+05
76	1	-1505.71	9.685e+04	-2.74e-04	0.0	0.0	-10.37	-7.44	271.85	-526.88	8.325e+04	-1505.71
		-1877.76	8.325e+04	1.56e-04	0.0	50.0	-10.37	-7.44	271.85	-526.88	9.685e+04	-1877.76
76	2	-735.17	4.729e+04	-1.34e-04	0.0	0.0	-5.06	-3.63	132.73	-257.25	4.065e+04	-735.17
		-916.82	4.065e+04	7.62e-05	0.0	50.0	-5.06	-3.63	132.73	-257.25	4.729e+04	-916.82
77	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	3.57e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
77	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	1.74e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
78	1	1.055e+04	-165.06	0.31	642.50	0.0	-2114.96	-3183.42	0.76	18.67	-202.96	1.055e+04
		-1.338e+05	-202.96	2.22e-04	0.0	50.0	-2114.96	-2540.92	0.76	18.67	-165.06	-1.338e+05
78	2	5152.30	-80.59	0.15	313.50	0.0	-1032.63	-1554.31	0.37	9.11	-99.09	5152.30
		-6.535e+04	-99.09	1.08e-04	0.0	50.0	-1032.63	-1240.81	0.37	9.11	-80.59	-6.535e+04
79	1	-1.338e+05	-104.43	0.28	1664.40	0.0	-2114.96	-2540.92	0.76	18.67	-165.06	-1.338e+05
		-2.758e+05	-165.06	1.96e-04	0.0	80.0	-2114.96	-876.52	0.76	18.67	-104.43	-2.758e+05
79	2	-6.535e+04	-50.99	0.13	312.00	0.0	-1032.63	-1240.81	0.37	9.11	-80.59	-6.535e+04
		-1.347e+05	-80.59	9.58e-05	0.0	80.0	-1032.63	-428.81	0.37	9.11	-50.99	-1.347e+05
80	1	-2.357e+05	-36.22	-0.38	2808.90	0.0	-2114.96	-876.52	0.76	18.67	-104.43	-2.357e+05
		-2.899e+05	-104.43	-4.74e-05	0.0	90.0	-2114.96	1932.38	0.76	18.67	-36.22	-2.357e+05
80	2	-1.152e+05	-17.69	-0.19	1370.25	0.0	-1032.63	-428.81	0.37	9.11	-50.99	-1.347e+05
		-1.416e+05	-50.99	-2.31e-05	0.0	90.0	-1032.63	941.44	0.37	9.11	-17.69	-1.152e+05
88	1	1.765e+05	9.705e+04	-3.91e-04	0.0	0.0	-11.12	3567.58	-1843.12	-417.03	9.705e+04	-1896.43
		-1896.43	4892.90	3.30e-04	0.0	50.0	-11.12	3567.58	-1843.12	-417.03	4892.90	1.765e+05
88	2	8.617e+04	4.738e+04	-1.91e-04	0.0	0.0	-5.43	1741.88	-899.90	-203.61	4.738e+04	-925.93
		-925.93	2388.96	1.61e-04	0.0	50.0	-5.43	1741.88	-899.90	-203.61	2388.96	8.617e+04
89	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	4.59e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
89	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	2.24e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
90	1	1.062e+04	-211.94	0.31	642.50	0.0	-2151.24	-3183.71	0.97	16.57	-260.60	1.062e+04
		-1.338e+05	-260.60	2.86e-04	0.0	50.0	-2151.24	-2541.21	0.97	16.57	-211.94	-1.338e+05
90	2	5182.96	-103.48	0.15	313.50	0.0	-1050.34	-1554.45	0.48	8.09	-127.24	5182.96
		-6.532e+04	-127.24	1.39e-04	0.0	50.0	-1050.34	-1240.95	0.48	8.09	-103.48	-6.532e+04
91	1	-1.338e+05	-134.09	0.28	1664.40	0.0	-2151.24	-2541.21	0.97	16.57	-211.94	-1.338e+05
		-2.757e+05	-211.94	2.52e-04	0.0	80.0	-2151.24	-876.81	0.97	16.57	-134.09	-2.757e+05
91	2	-6.532e+04	-65.47	0.13	312.00	0.0	-1050.34	-1240.95	0.48	8.09	-103.48	-6.532e+04
		-1.347e+05	-103.48	1.23e-04	0.0	80.0	-1050.34	-428.95	0.48	8.09	-65.47	-1.347e+05
92	1	-2.357e+05	-46.50	-0.38	2808.90	0.0	-2151.24	-876.81	0.97	16.57	-134.09	-2.357e+05
		-2.899e+05	-134.09	-6.09e-05	0.0	90.0	-2151.24	1932.09	0.97	16.57	-46.50	-2.357e+05





		2.44e-04	0.0	-3.57e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
138	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-1.74e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
139	1	1.055e+04	202.96	0.31	642.50	0.0	-2114.96	-3183.42	-0.76	-18.67	202.96	1.055e+04
		-1.338e+05	165.06	-2.22e-04	0.0	50.0	-2114.96	-2540.92	-0.76	-18.67	165.06	-1.338e+05
139	2	5152.30	99.09	0.15	313.50	0.0	-1032.63	-1554.31	-0.37	-9.11	99.09	5152.30
		-6.535e+04	80.59	-1.08e-04	0.0	50.0	-1032.63	-1240.81	-0.37	-9.11	80.59	-6.535e+04
140	1	-1.338e+05	165.06	0.28	1664.40	0.0	-2114.96	-2540.92	-0.76	-18.67	165.06	-1.338e+05
		-2.758e+05	104.43	-1.96e-04	0.0	80.0	-2114.96	-876.52	-0.76	-18.67	104.43	-2.758e+05
140	2	-6.535e+04	80.59	0.13	812.00	0.0	-1032.63	-1240.81	-0.37	-9.11	80.59	-6.535e+04
		-1.347e+05	50.99	-9.58e-05	0.0	80.0	-1032.63	-428.81	-0.37	-9.11	50.99	-1.347e+05
141	1	-2.357e+05	104.43	-0.38	2808.90	0.0	-2114.96	-876.52	-0.76	-18.67	104.43	-2.357e+05
		-2.899e+05	36.22	4.74e-05	0.0	90.0	-2114.96	1932.38	-0.76	-18.67	36.22	-2.357e+05
141	2	-1.152e+05	50.99	-0.19	1370.25	0.0	-1032.63	-428.81	-0.37	-9.11	50.99	-1.347e+05
		-1.416e+05	17.69	2.31e-05	0.0	90.0	-1032.63	941.44	-0.37	-9.11	17.69	-1.152e+05
149	1	-1505.71	9.685e+04	2.74e-04	0.0	0.0	-10.37	7.44	-271.85	526.88	9.685e+04	-1877.76
		-1877.76	8.325e+04	-1.56e-04	0.0	50.0	-10.37	7.44	-271.85	526.88	8.325e+04	-1505.71
149	2	-735.17	4.729e+04	1.34e-04	0.0	0.0	-5.06	3.63	-132.73	257.25	4.729e+04	-916.82
		-916.82	4.065e+04	-7.62e-05	0.0	50.0	-5.06	3.63	-132.73	257.25	4.065e+04	-735.17
150	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-1.79e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
150	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-8.72e-05	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
151	1	1.051e+04	101.15	0.31	642.50	0.0	-2097.80	-3183.22	-0.38	-18.63	101.15	1.051e+04
		-1.339e+05	82.27	-1.10e-04	0.0	50.0	-2097.80	-2540.72	-0.38	-18.63	82.27	-1.339e+05
151	2	5130.96	49.39	0.15	313.50	0.0	-1024.26	-1554.21	-0.18	-9.09	49.39	5130.96
		-6.536e+04	40.17	-5.39e-05	0.0	50.0	-1024.26	-1240.71	-0.18	-9.09	40.17	-6.536e+04
152	1	-1.339e+05	82.27	0.28	1664.40	0.0	-2097.80	-2540.72	-0.38	-18.63	82.27	-1.339e+05
		-2.758e+05	52.05	-9.78e-05	0.0	80.0	-2097.80	-876.32	-0.38	-18.63	52.05	-2.758e+05
152	2	-6.536e+04	40.17	0.13	812.00	0.0	-1024.26	-1240.71	-0.18	-9.09	40.17	-6.536e+04
		-1.347e+05	25.42	-4.78e-05	0.0	80.0	-1024.26	-428.71	-0.18	-9.09	25.42	-1.347e+05
153	1	-2.357e+05	52.05	-0.38	2808.90	0.0	-2097.80	-876.32	-0.38	-18.63	52.05	-2.357e+05
		-2.899e+05	18.06	2.35e-05	0.0	90.0	-2097.80	1932.58	-0.38	-18.63	18.06	-2.357e+05
153	2	-1.152e+05	25.42	-0.19	1370.25	0.0	-1024.26	-428.71	-0.18	-9.09	25.42	-1.347e+05
		-1.416e+05	8.82	1.15e-05	0.0	90.0	-1024.26	941.54	-0.18	-9.09	8.82	-1.152e+05
161	1	1.776e+05	8.315e+04	1.56e-04	0.0	0.0	-9.99	3582.26	-2369.65	593.01	8.315e+04	-1487.09
		-1487.09	-3.533e+04	-4.11e-06	0.0	50.0	-9.99	3582.26	-2369.65	593.01	-3.533e+04	1.776e+05
161	2	8.673e+04	4.060e+04	7.63e-05	0.0	0.0	-4.88	1749.05	-1156.99	289.54	4.060e+04	-726.07
		-726.07	-1.725e+04	-2.00e-06	0.0	50.0	-4.88	1749.05	-1156.99	289.54	-1.725e+04	8.673e+04
162	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-1.31e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
162	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-6.40e-05	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
163	1	1.048e+04	74.10	0.31	642.50	0.0	-2097.83	-3183.11	-0.28	-20.75	74.10	1.048e+04
		-1.339e+05	60.27	-8.07e-05	0.0	50.0	-2097.83	-2540.61	-0.28	-20.75	60.27	-1.339e+05
163	2	5118.90	36.18	0.15	313.50	0.0	-1024.27	-1554.16	-0.14	-10.13	36.18	5118.90
		-6.537e+04	29.43	-3.94e-05	0.0	50.0	-1024.27	-1240.66	-0.14	-10.13	29.43	-6.537e+04
164	1	-1.339e+05	60.27	0.28	1664.40	0.0	-2097.83	-2540.61	-0.28	-20.75	60.27	-1.339e+05
		-2.758e+05	38.14	-7.18e-05	0.0	80.0	-2097.83	-876.21	-0.28	-20.75	38.14	-2.758e+05
164	2	-6.537e+04	29.43	0.13	812.00	0.0	-1024.27	-1240.66	-0.14	-10.13	29.43	-6.537e+04
		-1.347e+05	18.62	-3.50e-05	0.0	80.0	-1024.27	-428.66	-0.14	-10.13	18.62	-1.347e+05
165	1	-2.357e+05	38.14	-0.38	2808.90	0.0	-2097.83	-876.21	-0.28	-20.75	38.14	-2.357e+05
		-2.899e+05	13.24	1.72e-05	0.0	90.0	-2097.83	1932.69	-0.28	-20.75	13.24	-2.357e+05
165	2	-1.152e+05	18.62	-0.19	1370.25	0.0	-1024.27	-428.66	-0.14	-10.13	18.62	-1.347e+05
		-1.416e+05	6.47	8.38e-06	0.0	90.0	-1024.27	941.59	-0.14	-10.13	6.47	-1.152e+05
173	1	5.355e+05	-3.540e+04	1.02e-04	0.0	0.0	-9.71	7156.98	-4467.48	634.45	-3.540e+04	1.776e+05
		1.776e+05	-2.588e+05	2.86e-05	0.0	50.0	-9.71	7156.98	-4467.48	634.45	-2.588e+05	5.355e+05
173	2	2.615e+05	-1.729e+04	5.00e-05	0.0	0.0	-4.74	3494.40	-2181.25	309.77	-1.729e+04	8.674e+04
		8.674e+04	-1.263e+05	1.40e-05	0.0	50.0	-4.74	3494.40	-2181.25	309.77	-1.263e+05	2.615e+05
174	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-4.24e-04	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
174	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-2.07e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
175	1	1.047e+04	240.34	0.31	642.50	0.0	-2098.86	-3183.04	-0.90	-29.32	240.34	1.047e+04
		-1.339e+05	195.47	-2.63e-04	0.0	50.0	-2098.86	-2540.54	-0.90	-29.32	195.47	-1.339e+05
175	2	5111.12	117.35	0.15	313.50	0.0	-1024.77	-1554.12	-0.44	-14.32	117.35	5111.12
		-6.538e+04	95.44	-1.28e-04	0.0	50.0	-1024.77	-1240.62	-0.44	-14.32	95.44	-6.538e+04
176	1	-1.339e+05	195.47	0.28	1664.40	0.0	-2098.86	-2540.54	-0.90	-29.32	195.47	-1.339e+05
		-2.758e+05	123.67	-2.32e-04	0.0	80.0	-2098.86	-876.14	-0.90	-29.32	123.67	-2.758e+05
176	2	-6.538e+04	95.44	0.13	812.00	0.0	-1024.77	-1240.62	-0.44	-14.32	95.44	-6.538e+04
		-1.347e+05	60.38	-1.13e-04	0.0	80.0	-1024.77	-428.62	-0.44	-14.32	60.38	-1.347e+05

177	1	-2.357e+05	123.67	-0.38	2808.90	0.0	-2098.86	-876.14	-0.90	-29.32	123.67	-2.758e+05
		-2.899e+05	42.91	5.61e-05	0.0	90.0	-2098.86	1932.76	-0.90	-29.32	42.91	-2.357e+05
177	2	-1.152e+05	60.38	-0.19	1370.25	0.0	-1024.77	-428.62	-0.44	-14.32	60.38	-1.347e+05
		-1.416e+05	20.95	2.74e-05	0.0	90.0	-1024.77	941.63	-0.44	-14.32	20.95	-1.152e+05
185	1	8.038e+05	-2.590e+05	5.19e-05	0.0	0.0	-8.81	1.073e+04	-6566.34	659.94	-2.590e+05	5.355e+05
		5.355e+05	-4.232e+05	-6.39e-05	0.0	25.0	-8.81	1.073e+04	-6566.34	659.94	-4.232e+05	8.038e+05
185	2	3.925e+05	-1.265e+05	2.53e-05	0.0	0.0	-4.30	5239.72	-3206.02	322.22	-1.265e+05	2.615e+05
		2.615e+05	-2.066e+05	-3.12e-05	0.0	25.0	-4.30	5239.72	-3206.02	322.22	-2.066e+05	3.925e+05
186	1	8.038e+05	-2.777e+05	4.97e-04	0.0	0.0	-8.81	-1.072e+04	5819.44	659.94	-4.232e+05	8.038e+05
		5.358e+05	-4.232e+05	-4.00e-04	0.0	25.0	-8.81	-1.072e+04	5819.44	659.94	-2.777e+05	5.358e+05
186	2	3.925e+05	-1.356e+05	2.43e-04	0.0	0.0	-4.30	-5234.33	2841.35	322.22	-2.066e+05	3.925e+05
		2.616e+05	-2.066e+05	-1.95e-04	0.0	25.0	-4.30	-5234.33	2841.35	322.22	-1.356e+05	2.616e+05
187	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-1.11e-03	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
187	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-5.42e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
188	1	1.038e+04	631.15	0.31	642.50	0.0	-2047.87	-3182.64	-2.36	-45.43	631.15	1.038e+04
		-1.340e+05	513.30	-6.91e-04	0.0	50.0	-2047.87	-2540.14	-2.36	-45.43	513.30	-1.340e+05
188	2	5068.13	308.16	0.15	313.50	0.0	-999.87	-1553.93	-1.15	-22.18	308.16	5068.13
		-6.541e+04	250.62	-3.37e-04	0.0	50.0	-999.87	-1240.43	-1.15	-22.18	250.62	-6.541e+04
189	1	-1.340e+05	513.30	0.28	1664.40	0.0	-2047.87	-2540.14	-2.36	-45.43	513.30	-1.340e+05
		-2.758e+05	324.75	-6.10e-04	0.0	80.0	-2047.87	-875.74	-2.36	-45.43	324.75	-2.758e+05
189	2	-6.541e+04	250.62	0.13	812.00	0.0	-999.87	-1240.43	-1.15	-22.18	250.62	-6.541e+04
		-1.347e+05	158.56	-2.98e-04	0.0	80.0	-999.87	-428.43	-1.15	-22.18	158.56	-1.347e+05
190	1	-2.357e+05	324.75	-0.38	2808.90	0.0	-2047.87	-875.74	-2.36	-45.43	324.75	-2.758e+05
		-2.900e+05	112.63	1.47e-04	0.0	90.0	-2047.87	1933.16	-2.36	-45.43	112.63	-2.357e+05
190	2	-1.152e+05	158.56	-0.19	1370.25	0.0	-999.87	-428.43	-1.15	-22.18	158.56	-1.347e+05
		-1.417e+05	54.99	7.20e-05	0.0	90.0	-999.87	941.82	-1.15	-22.18	54.99	-1.152e+05
198	1	5.358e+05	-8.974e+04	9.96e-04	0.0	0.0	-6.46	-7146.32	3771.57	597.40	-2.783e+05	5.358e+05
		1.785e+05	-2.783e+05	-9.62e-04	0.0	50.0	-6.46	-7146.32	3771.57	597.40	-8.974e+04	1.785e+05
198	2	2.616e+05	-4.382e+04	4.86e-04	0.0	0.0	-3.15	-3489.20	1841.48	291.68	-1.359e+05	2.616e+05
		8.717e+04	-1.359e+05	-4.70e-04	0.0	50.0	-3.15	-3489.20	1841.48	291.68	-4.382e+04	8.717e+04
199	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-1.48e-03	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
199	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-7.21e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
200	1	1.022e+04	839.15	0.31	642.50	0.0	-1942.12	-3181.91	-3.13	-54.02	839.15	1.022e+04
		-1.341e+05	682.46	-9.19e-04	0.0	50.0	-1942.12	-2539.41	-3.13	-54.02	682.46	-1.341e+05
200	2	4989.88	409.71	0.15	313.50	0.0	-948.24	-1553.57	-1.53	-26.38	409.71	4989.88
		-6.547e+04	333.21	-4.49e-04	0.0	50.0	-948.24	-1240.07	-1.53	-26.38	333.21	-6.547e+04
201	1	-1.341e+05	682.46	0.28	1664.40	0.0	-1942.12	-2539.41	-3.13	-54.02	682.46	-1.341e+05
		-2.759e+05	431.77	-8.11e-04	0.0	80.0	-1942.12	-875.01	-3.13	-54.02	431.77	-2.759e+05
201	2	-6.547e+04	333.21	0.13	812.00	0.0	-948.24	-1240.07	-1.53	-26.38	333.21	-6.547e+04
		-1.347e+05	210.81	-3.96e-04	0.0	80.0	-948.24	-428.07	-1.53	-26.38	210.81	-1.347e+05
202	1	-2.357e+05	431.77	-0.38	2808.90	0.0	-1942.12	-875.01	-3.13	-54.02	431.77	-2.759e+05
		-2.900e+05	149.74	1.96e-04	0.0	90.0	-1942.12	1933.89	-3.13	-54.02	149.74	-2.357e+05
202	2	-1.152e+05	210.81	-0.19	1370.25	0.0	-948.24	-428.07	-1.53	-26.38	210.81	-1.347e+05
		-1.417e+05	73.11	9.58e-05	0.0	90.0	-948.24	942.18	-1.53	-26.38	73.11	-1.152e+05
210	1	1.786e+05	889.83	9.42e-04	0.0	0.0	-3.32	-3572.82	1829.45	374.59	-9.058e+04	1.786e+05
		-56.17	-9.058e+04	-1.02e-03	0.0	50.0	-3.32	-3572.82	1829.45	374.59	889.83	-56.17
210	2	8.719e+04	434.46	4.60e-04	0.0	0.0	-1.62	-1744.43	893.23	182.90	-4.423e+04	8.719e+04
		-27.42	-4.423e+04	-5.00e-04	0.0	50.0	-1.62	-1744.43	893.23	182.90	434.46	-27.42
211	1	1.044e+04	0.0	0.49	391.60	0.0	0.0	0.0	0.0	0.0	0.0	2.44e-04
		2.44e-04	0.0	-1.56e-03	0.0	80.0	0.0	391.60	0.0	0.0	0.0	1.044e+04
211	2	5098.67	0.0	0.24	191.20	0.0	0.0	0.0	0.0	0.0	0.0	6.10e-05
		6.10e-05	0.0	-7.65e-04	0.0	80.0	0.0	191.20	0.0	0.0	0.0	5098.67
212	1	1.007e+04	889.83	0.31	642.50	0.0	-1829.45	-3181.22	-3.32	-56.17	889.83	1.007e+04
		-1.342e+05	723.68	-9.76e-04	0.0	50.0	-1829.45	-2538.72	-3.32	-56.17	723.68	-1.342e+05
212	2	4915.77	434.46	0.15	313.50	0.0	-893.23	-1553.23	-1.62	-27.42	434.46	4915.77
		-6.553e+04	353.34	-4.76e-04	0.0	50.0	-893.23	-1239.73	-1.62	-27.42	353.34	-6.553e+04
213	1	-1.342e+05	723.68	0.28	1664.40	0.0	-1829.45	-2538.72	-3.32	-56.17	723.68	-1.342e+05
		-2.759e+05	457.85	-8.60e-04	0.0	80.0	-1829.45	-874.32	-3.32	-56.17	457.85	-2.759e+05
213	2	-6.553e+04	353.34	0.13	812.00	0.0	-893.23	-1239.73	-1.62	-27.42	353.34	-6.553e+04
		-1.348e+05	223.55	-4.20e-04	0.0	80.0	-893.23	-427.73	-1.62	-27.42	223.55	-1.348e+05
214	1	-2.357e+05	457.85	-0.38	2808.90	0.0	-1829.45	-874.32	-3.32	-56.17	457.85	-2.759e+05
		-2.900e+05	158.79	2.08e-04	0.0	90.0	-1829.45	1934.58	-3.32	-56.17	158.79	-2.357e+05
214	2	-1.152e+05	223.55	-0.19	1370.25	0.0	-893.23	-427.73	-1.62	-27.42	223.55	-1.348e+05
		-1.417e+05	77.53	1.02e-04	0.0	90.0	-893.23	942.52	-1.62	-27.42	77.53	-1.152e+05
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-2.900e+05	-4.232e+05	-0.38	0.0		-2194.17	-1.073e+04	-6566.34	-659.94		

		8.038e+05	9.705e+04	0.49	2808.90		2.477e+04	1.073e+04	6566.34	659.94		
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Trave f.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN/cm2	cm	daN	daN	daN	daN cm	daN cm	daN cm
8	1	-6.277e+04	61.29	1.14	2.38	0.0	-1819.98	1934.58	2.20	56.17	-158.79	-2.357e+05
		-2.357e+05	-158.79	-7.78e-04		100.0	-1819.98	1890.49	2.20	55.56	61.29	-6.277e+04
8	2	-3.069e+04	29.92	0.56	1.16	0.0	-888.61	942.52	1.07	27.42	-77.53	-1.152e+05
		-1.152e+05	-77.53	-3.80e-04		100.0	-888.61	928.24	1.07	27.13	29.92	-3.069e+04
9	1	1.957e+05	151.55	1.33	1.93	0.0	-1800.47	1890.49	0.90	55.56	61.29	-6.277e+04
		-6.277e+04	61.29	-6.42e-04		100.0	-1800.47	3759.67	0.90	54.90	151.55	1.957e+05
9	2	9.639e+04	73.99	0.65	0.94	0.0	-879.08	928.25	0.44	27.13	29.92	-3.069e+04
		-3.069e+04	29.92	-3.13e-04		100.0	-879.08	1845.04	0.44	26.81	73.99	9.639e+04
10	1	2.612e+05	151.55	0.76	7.73	0.0	-1702.88	3759.67	-0.93	54.90	151.55	1.957e+05
		1.875e+05	58.92	-2.25e-04		100.0	-1702.88	-1835.57	-0.93	49.41	58.92	1.875e+05
10	2	1.286e+05	73.99	-0.37	3.68	0.0	-831.43	1845.03	-0.45	26.81	73.99	9.639e+04
		9.275e+04	28.77	-1.10e-04		100.0	-831.43	-899.84	-0.45	24.12	28.77	9.275e+04
11	1	1.875e+05	58.92	0.14	1.91	0.0	-1528.91	-1835.57	-0.61	49.41	58.92	1.875e+05
		3.492e+04	-1.90	-1.46e-05		100.0	-1528.91	-731.59	-0.61	43.84	-1.90	3.492e+04
11	2	9.275e+04	28.77	0.07	0.83	0.0	-746.49	-899.84	-0.30	24.12	28.77	9.275e+04
		1.691e+04	-0.93	-7.11e-06		100.0	-746.49	-395.21	-0.30	21.41	-0.93	1.691e+04
12	1	3.492e+04	-1.90	0.01	1.17	0.0	-1310.58	-731.59	-0.04	43.84	-1.90	3.492e+04
		-2892.65	-6.01	2.14e-05		100.0	-1310.58	-44.83	-0.04	35.76	-6.01	-2892.65
12	2	1.691e+04	-0.93	-9.99e-03	0.50	0.0	-639.89	-395.21	-0.02	21.41	-0.93	1.691e+04
		-2296.28	-2.94	1.12e-05		100.0	-639.89	-17.13	-0.02	17.46	-2.94	-2296.28
13	1	-122.17	1.11	0.02	1.68	0.0	-915.50	-44.83	0.04	35.76	-6.01	-2892.65
		-3905.52	-6.01	5.05e-06		200.0	-915.50	129.75	0.04	19.88	1.11	-122.17
13	2	-23.98	0.54	-8.31e-03	0.75	0.0	-446.99	-17.13	0.02	17.46	-2.94	-2296.29
		-2476.72	-2.94	2.16e-06		200.0	-446.99	58.49	0.02	9.71	0.54	-23.98
14	1	2902.67	1.11	0.01	2.28	0.0	-326.50	129.75	-4.44e-03	19.88	1.11	-122.17
		-122.17	0.0	-1.53e-06		250.0	-326.50	4.15e-04	-4.44e-03	-3.43e-06	0.0	-4.59e-03
14	2	1326.73	0.54	-5.99e-03	1.03	0.0	-159.42	58.48	-2.17e-03	9.71	0.54	-23.98
		-23.98	0.0	0.0		250.0	-159.42	2.73e-04	-2.17e-03	2.61e-06	0.0	5.84e-04
20	1	-6.281e+04	57.80	-1.14	2.38	0.0	-1932.06	1933.89	2.08	54.02	-149.74	-2.357e+05
		-2.357e+05	-149.74	-7.34e-04		100.0	-1932.06	1890.33	2.08	53.44	57.80	-6.281e+04
20	2	-3.071e+04	28.22	0.56	1.16	0.0	-943.33	942.18	1.01	26.38	-73.11	-1.152e+05
		-1.152e+05	-73.11	-3.58e-04		100.0	-943.33	928.17	1.01	26.09	28.22	-3.071e+04
21	1	1.957e+05	142.92	-1.33	1.93	0.0	-1911.36	1890.34	0.85	53.44	57.80	-6.281e+04
		-6.281e+04	57.80	-6.05e-04		100.0	-1911.36	3759.74	0.85	52.80	142.92	1.957e+05
21	2	9.637e+04	69.78	0.65	0.94	0.0	-933.22	928.17	0.42	26.09	28.22	-3.071e+04
		-3.071e+04	28.22	-2.95e-04		100.0	-933.22	1845.07	0.42	25.78	69.78	9.637e+04
22	1	2.611e+05	142.92	-0.76	7.73	0.0	-1807.75	3759.74	-0.87	52.80	142.92	1.957e+05
		1.874e+05	55.56	-2.12e-04		100.0	-1807.75	-1835.31	-0.87	47.52	55.56	1.874e+05
22	2	1.286e+05	69.78	-0.37	3.68	0.0	-882.64	1845.07	-0.43	25.78	69.78	9.637e+04
		9.275e+04	27.13	-1.04e-04		100.0	-882.64	-899.72	-0.43	23.20	27.13	9.275e+04
23	1	1.874e+05	55.56	0.14	1.91	0.0	-1623.07	-1835.31	-0.57	47.52	55.56	1.874e+05
		3.492e+04	-1.79	-1.37e-05		100.0	-1623.07	-731.51	-0.57	42.17	-1.79	3.492e+04
23	2	9.275e+04	27.13	-0.07	0.83	0.0	-792.47	-899.72	-0.28	23.20	27.13	9.275e+04
		1.691e+04	-0.87	-6.71e-06		100.0	-792.47	-395.17	-0.28	20.59	-0.87	1.691e+04
24	1	3.492e+04	-1.79	0.01	1.17	0.0	-1391.30	-731.51	-0.04	42.17	-1.79	3.492e+04
		-2890.91	-5.67	2.02e-05		100.0	-1391.30	-44.85	-0.04	34.40	-5.67	-2890.91
24	2	1.691e+04	-0.87	9.99e-03	0.50	0.0	-679.30	-395.17	-0.02	20.59	-0.87	1.691e+04
		-2295.44	-2.77	1.06e-05		100.0	-679.30	-17.14	-0.02	16.79	-2.77	-2295.44
25	1	-122.27	1.05	0.02	1.68	0.0	-971.88	-44.85	0.03	34.40	-5.67	-2890.91
		-3905.36	-5.67	4.76e-06		200.0	-971.88	129.75	0.03	19.12	1.05	-122.27
25	2	-24.02	0.51	-8.31e-03	0.75	0.0	-474.52	-17.14	0.02	16.79	-2.77	-2295.44
		-2476.08	-2.77	2.04e-06		200.0	-474.52	58.49	0.02	9.34	0.51	-24.02
26	1	2902.61	1.05	0.01	2.28	0.0	-346.61	129.75	-4.19e-03	19.12	1.05	-122.27
		-122.27	0.0	-1.44e-06		250.0	-346.61	5.38e-04	-4.19e-03	2.95e-06	0.0	-5.67e-05
26	2	1326.70	0.51	-5.99e-03	1.03	0.0	-169.23	58.48	-2.04e-03	9.34	0.51	-24.02
		-24.02	0.0	0.0		250.0	-169.23	2.27e-04	-2.04e-03	0.0	0.0	-1.27e-03
32	1	-6.285e+04	43.47	-1.14	2.38	0.0	-2037.26	1933.16	1.56	45.43	-112.63	-2.357e+05
		-2.357e+05	-112.63	-5.52e-04		100.0	-2037.26	1890.17	1.56	44.94	43.47	-6.285e+04
32	2	-3.073e+04	21.22	0.56	1.16	0.0	-994.70	941.82	0.76	22.18	-54.99	-1.152e+05
		-1.152e+05	-54.99	-2.69e-04		100.0	-994.70	928.09	0.76	21.94	21.22	-3.073e+04
33	1	1.957e+05	107.49	-1.33	1.93	0.0	-2015.43	1890.17	0.64	44.94	43.47	-6.285e+04
		-6.285e+04	43.47	-4.55e-04		100.0	-2015.43	3759.81	0.64	44.41	107.49	1.957e+05
33	2	9.635e+04	52.48	0.65	0.94	0.0	-984.04	928.09	0.31	21.94	21.22	-3.073e+04
		-3.073e+04	21.22	-2.22e-04		100.0	-984.04	1845.10	0.31	21.68	52.48	9.635e+04
34	1	2.611e+05	107.49	-0.76	7.73	0.0	-1906.18	3759.81	-0.66	44.41	107.49	1.957e+05

		1.874e+05	41.79	-1.60e-04		100.0	-1906.18	-1835.04	-0.66	39.96	41.79	1.874e+05
34	2	1.286e+05	52.48	0.37	3.68	0.0	-930.70	1845.10	-0.32	21.68	52.48	9.635e+04
		9.274e+04	20.40	-7.80e-05		100.0	-930.70	-899.58	-0.32	19.51	20.40	9.274e+04
35	1	1.874e+05	41.79	-0.14	1.91	0.0	-1711.44	-1835.04	-0.43	39.96	41.79	1.874e+05
		3.492e+04	-1.35	-1.03e-05		100.0	-1711.44	-731.42	-0.43	35.46	-1.35	3.492e+04
35	2	9.274e+04	20.40	-0.07	0.83	0.0	-835.61	-899.58	-0.21	19.51	20.40	9.274e+04
		1.691e+04	-0.66	-5.05e-06		100.0	-835.61	-395.13	-0.21	17.31	-0.66	1.691e+04
36	1	3.492e+04	-1.35	-0.01	1.17	0.0	-1467.05	-731.42	-0.03	35.46	-1.35	3.492e+04
		-2889.07	-4.26	1.52e-05		100.0	-1467.05	-44.87	-0.03	28.93	-4.26	-2889.07
36	2	1.691e+04	-0.66	-9.98e-03	0.50	0.0	-716.29	-395.13	-0.01	17.31	-0.66	1.691e+04
		-2294.54	-2.08	7.94e-06		100.0	-716.29	-17.15	-0.01	14.12	-2.08	-2294.54
37	1	-122.36	0.79	-0.02	1.68	0.0	-1024.80	-44.87	0.03	28.93	-4.26	-2889.08
		-3905.20	-4.26	3.58e-06		200.0	-1024.80	129.75	0.03	16.08	0.79	-122.36
37	2	-24.07	0.38	8.31e-03	0.75	0.0	-500.36	-17.15	0.01	14.12	-2.08	-2294.54
		-2475.41	-2.08	1.53e-06		200.0	-500.36	58.48	0.01	7.85	0.38	-24.07
38	1	2902.55	0.79	-0.01	2.28	0.0	-365.48	129.75	-3.15e-03	16.08	0.79	-122.36
		-122.36	0.0	-1.08e-06		250.0	-365.48	4.49e-04	-3.15e-03	1.67e-06	0.0	-3.45e-03
38	2	1326.67	0.38	5.99e-03	1.03	0.0	-178.45	58.48	-1.54e-03	7.85	0.38	-24.07
		-24.07	0.0	0.0		250.0	-178.45	1.70e-04	-1.54e-03	0.0	0.0	-3.11e-03
45	1	-6.287e+04	16.54	-1.14	2.37	0.0	-2087.99	1932.76	0.59	29.32	-42.91	-2.357e+05
		-2.357e+05	-42.91	-2.10e-04		100.0	-2087.99	1890.08	0.59	29.00	16.54	-6.287e+04
45	2	-3.074e+04	8.07	-0.56	1.16	0.0	-1019.46	941.63	0.29	14.32	-20.95	-1.152e+05
		-1.152e+05	-20.95	-1.03e-04		100.0	-1019.46	928.05	0.29	14.16	8.07	-3.074e+04
46	1	1.956e+05	40.92	-1.33	1.93	0.0	-2065.61	1890.08	0.24	29.00	16.54	-6.287e+04
		-6.287e+04	16.54	-1.73e-04		100.0	-2065.61	3759.85	0.24	28.66	40.92	1.956e+05
46	2	9.634e+04	19.98	-0.65	0.94	0.0	-1008.54	928.05	0.12	14.16	8.07	-3.074e+04
		-3.074e+04	8.07	-8.46e-05		100.0	-1008.54	1845.12	0.12	13.99	19.98	9.634e+04
47	1	2.611e+05	40.92	-0.76	7.73	0.0	-1953.64	3759.85	-0.25	28.66	40.92	1.956e+05
		1.874e+05	15.91	-6.08e-05		100.0	-1953.64	-1834.89	-0.25	25.79	15.91	1.874e+05
47	2	1.286e+05	19.98	0.37	3.68	0.0	-953.87	1845.12	-0.12	13.99	19.98	9.634e+04
		9.273e+04	7.77	-2.97e-05		100.0	-953.87	-899.51	-0.12	12.59	7.77	9.273e+04
48	1	1.874e+05	15.91	-0.14	1.91	0.0	-1754.05	-1834.89	-0.16	25.79	15.91	1.874e+05
		3.492e+04	-0.51	-3.94e-06		100.0	-1754.05	-731.37	-0.16	22.89	-0.51	3.492e+04
48	2	9.273e+04	7.77	-0.07	0.83	0.0	-856.42	-899.51	-0.08	12.59	7.77	9.273e+04
		1.691e+04	-0.25	-1.92e-06		100.0	-856.42	-395.10	-0.08	11.17	-0.25	1.691e+04
49	1	3.492e+04	-0.51	-0.01	1.17	0.0	-1503.58	-731.37	-0.01	22.89	-0.51	3.492e+04
		-2888.06	-1.62	6.19e-06		100.0	-1503.58	-44.88	-0.01	18.67	-1.62	-2888.06
49	2	1.691e+04	-0.25	-9.98e-03	0.50	0.0	-734.12	-395.10	-5.43e-03	11.17	-0.25	1.691e+04
		-2294.05	-0.79	3.02e-06		100.0	-734.12	-17.15	-5.43e-03	9.12	-0.79	-2294.05
50	1	-122.42	0.30	0.02	1.68	0.0	-1050.32	-44.88	9.62e-03	18.67	-1.62	-2888.07
		-3905.10	-1.62	1.20e-06		200.0	-1050.32	129.75	9.62e-03	10.38	0.30	-122.42
50	2	-24.10	0.15	-8.31e-03	0.75	0.0	-512.82	-17.15	4.70e-03	9.12	-0.79	-2294.05
		-2475.03	-0.79	0.0		200.0	-512.82	58.49	4.70e-03	5.07	0.15	-24.10
51	1	2902.52	0.30	0.01	2.28	0.0	-374.58	129.75	-1.20e-03	10.38	0.30	-122.42
		-122.42	0.0	0.0		250.0	-374.58	3.81e-04	-1.20e-03	2.30e-06	0.0	-5.54e-03
51	2	1326.66	0.15	-5.99e-03	1.03	0.0	-182.89	58.48	-5.85e-04	5.07	0.15	-24.10
		-24.10	0.0	0.0		250.0	-182.89	2.63e-04	-5.85e-04	0.0	0.0	1.85e-04
57	1	-6.288e+04	5.08	-1.14	2.37	0.0	-2086.97	1932.69	0.18	20.75	-13.24	-2.357e+05
		-2.357e+05	-13.24	-6.47e-05		100.0	-2086.97	1890.07	0.18	20.52	5.08	-6.288e+04
57	2	-3.074e+04	2.48	0.56	1.16	0.0	-1018.96	941.59	0.09	10.13	-6.47	-1.152e+05
		-1.152e+05	-6.47	-3.16e-05		100.0	-1018.96	928.04	0.09	10.02	2.48	-3.074e+04
58	1	1.956e+05	12.61	-1.33	1.93	0.0	-2064.60	1890.06	0.08	20.52	5.08	-6.288e+04
		-6.288e+04	5.08	-5.34e-05		100.0	-2064.60	3759.85	0.08	20.28	12.61	1.956e+05
58	2	9.633e+04	6.16	-0.65	0.94	0.0	-1008.04	928.04	0.04	10.02	2.48	-3.074e+04
		-3.074e+04	2.48	-2.61e-05		100.0	-1008.04	1845.12	0.04	9.90	6.16	9.633e+04
59	1	2.611e+05	12.61	0.76	7.73	0.0	-1952.69	3759.86	-0.08	20.28	12.61	1.956e+05
		1.874e+05	4.90	-1.88e-05		100.0	-1952.69	-1834.86	-0.08	18.25	4.90	1.874e+05
59	2	1.286e+05	6.16	-0.37	3.68	0.0	-953.40	1845.13	-0.04	9.90	6.16	9.633e+04
		9.273e+04	2.39	-8.41e-06		100.0	-953.40	-899.49	-0.04	8.91	2.39	9.273e+04
60	1	1.874e+05	4.90	-0.14	1.91	0.0	-1753.20	-1834.86	-0.05	18.25	4.90	1.874e+05
		3.492e+04	-0.16	-1.21e-06		100.0	-1753.20	-731.37	-0.05	16.19	-0.16	3.492e+04
60	2	9.273e+04	2.39	-0.07	0.83	0.0	-856.00	-899.49	-0.02	8.91	2.39	9.273e+04
		1.691e+04	-0.08	0.0		100.0	-856.00	-395.10	-0.02	7.91	-0.08	1.691e+04
61	1	3.492e+04	-0.16	-0.01	1.17	0.0	-1502.84	-731.37	-3.43e-03	16.19	-0.16	3.492e+04
		-2887.88	-0.50	1.91e-06		100.0	-1502.84	-44.88	-3.43e-03	13.21	-0.50	-2887.88
61	2	1.691e+04	-0.08	-9.98e-03	0.50	0.0	-733.77	-395.10	-1.68e-03	7.91	-0.08	1.691e+04
		-2293.96	-0.24	0.0		100.0	-733.77	-17.15	-1.68e-03	6.45	-0.24	-2293.96
62	1	-122.42	0.09	-0.02	1.68	0.0	-1049.80	-44.88	2.96e-03	13.21	-0.50	-2887.89
		-3905.09	-0.50	0.0		200.0	-1049.80	129.75	2.96e-03	7.34	0.09	-122.42
62	2	-24.10	0.05	8.31e-03	0.75	0.0	-512.57	-17.15	1.45e-03	6.45	-0.24	-2293.96
		-2474.97	-0.24	0.0		200.0	-512.57	58.48	1.45e-03	3.59	0.05	-24.10

63	1	2902.52	0.09	0.01	2.28	0.0	-374.40	129.75	-3.70e-04	7.34	0.09	-122.42
		-122.42	0.0	0.0		250.0	-374.40	3.82e-04	-3.70e-04	2.48e-06	0.0	-5.87e-03
63	2	1326.66	0.05	-5.99e-03	1.03	0.0	-182.80	58.48	-1.80e-04	3.59	0.05	-24.10
		-24.10	0.0	0.0		250.0	-182.80	2.55e-04	-1.80e-04	0.0	0.0	-1.60e-04
69	1	-6.288e+04	6.95	1.14	2.37	0.0	-2086.94	1932.58	0.25	18.63	-18.06	-2.357e+05
		-2.357e+05	-18.06	-8.84e-05		100.0	-2086.94	1890.04	0.25	18.43	6.95	-6.288e+04
69	2	-3.074e+04	3.39	-0.56	1.16	0.0	-1018.95	941.53	0.12	9.09	-8.82	-1.152e+05
		-1.152e+05	-8.82	-4.31e-05		100.0	-1018.95	928.02	0.12	9.00	3.39	-3.074e+04
70	1	1.956e+05	17.22	1.33	1.93	0.0	-2064.57	1890.04	0.10	18.43	6.95	-6.288e+04
		-6.288e+04	6.95	-7.29e-05		100.0	-2064.57	3759.87	0.10	18.21	17.22	1.956e+05
70	2	9.633e+04	8.41	0.65	0.94	0.0	-1008.03	928.03	0.05	9.00	3.39	-3.074e+04
		-3.074e+04	3.39	-3.56e-05		100.0	-1008.03	1845.13	0.05	8.89	8.41	9.633e+04
71	1	2.611e+05	17.22	-0.76	7.72	0.0	-1952.66	3759.87	-0.11	18.21	17.22	1.956e+05
		1.874e+05	6.70	-2.56e-05		100.0	-1952.66	-1834.82	-0.11	16.38	6.70	1.874e+05
71	2	1.286e+05	8.41	0.37	3.68	0.0	-953.39	1845.13	-0.05	8.89	3.41	9.633e+04
		9.273e+04	3.27	-1.25e-05		100.0	-953.39	-899.47	-0.05	8.00	3.27	9.273e+04
72	1	1.874e+05	6.70	-0.14	1.91	0.0	-1753.18	-1834.82	-0.07	16.38	6.70	1.874e+05
		3.492e+04	-0.22	-1.66e-06		100.0	-1753.18	-731.35	-0.07	14.54	-0.22	3.492e+04
72	2	9.273e+04	3.27	-0.07	0.83	0.0	-855.99	-899.47	-0.03	8.00	3.27	9.273e+04
		1.691e+04	-0.11	0.0		100.0	-855.99	-395.09	-0.03	7.10	-0.11	1.691e+04
73	1	3.492e+04	-0.22	-0.01	1.17	0.0	-1502.82	-731.35	-4.68e-03	14.54	-0.22	3.492e+04
		-2887.60	-0.68	2.61e-06		100.0	-1502.82	-44.88	-4.68e-03	11.86	-0.68	-2887.60
73	2	1.691e+04	-0.11	9.98e-03	0.50	0.0	-733.76	-395.09	-2.29e-03	7.10	-0.11	1.691e+04
		-2293.82	-0.33	1.27e-06		100.0	-733.76	-17.15	-2.29e-03	5.79	-0.33	-2293.82
74	1	-122.45	0.13	0.02	1.68	0.0	-1049.79	-44.88	4.05e-03	11.86	-0.68	-2887.60
		-3905.06	-0.68	0.0		200.0	-1049.79	129.75	4.05e-03	6.59	0.13	-122.45
74	2	-24.11	0.06	8.31e-03	0.75	0.0	-512.56	-17.15	1.98e-03	5.79	-0.33	-2293.82
		-2474.86	-0.33	0.0		200.0	-512.56	58.48	1.98e-03	3.22	0.06	-24.11
75	1	2902.51	0.13	0.01	2.28	0.0	-374.39	129.75	-5.05e-04	6.59	0.13	-122.45
		-122.45	0.0	0.0		250.0	-374.39	3.49e-04	-5.05e-04	1.55e-06	0.0	-6.73e-03
75	2	1326.65	0.06	-5.99e-03	1.03	0.0	-182.80	58.48	-2.46e-04	3.22	0.06	-24.11
		-24.11	0.0	0.0		250.0	-182.80	2.48e-04	-2.46e-04	0.0	0.0	-4.31e-04
81	1	-6.289e+04	13.97	1.14	2.37	0.0	-2104.01	1932.38	0.50	18.67	-36.22	-2.357e+05
		-2.357e+05	-36.22	-1.77e-04		100.0	-2104.01	1890.00	0.50	18.47	13.97	-6.289e+04
81	2	-3.075e+04	6.82	0.56	1.16	0.0	-1027.29	941.44	0.25	9.11	-17.69	-1.152e+05
		-1.152e+05	-17.69	-8.66e-05		100.0	-1027.29	928.00	0.25	9.02	6.82	-3.075e+04
82	1	1.956e+05	34.56	-1.33	1.93	0.0	-2081.46	1890.00	0.21	18.47	13.97	-6.289e+04
		-6.289e+04	13.97	-1.46e-04		100.0	-2081.46	3759.89	0.21	18.25	34.56	1.956e+05
82	2	9.633e+04	16.88	0.65	0.94	0.0	-1016.28	928.01	0.10	9.02	6.82	-3.075e+04
		-3.075e+04	6.82	-7.14e-05		100.0	-1016.28	1845.14	0.10	8.91	16.88	9.633e+04
83	1	2.611e+05	34.56	-0.76	7.72	0.0	-1968.64	3759.89	-0.21	18.25	34.56	1.956e+05
		1.874e+05	13.44	-5.14e-05		100.0	-1968.64	-1834.74	-0.21	16.42	13.44	1.874e+05
83	2	1.286e+05	16.88	0.37	3.68	0.0	-961.19	1845.14	-0.10	8.91	16.88	9.633e+04
		9.273e+04	6.56	-2.51e-05		100.0	-961.19	-899.44	-0.10	8.02	6.56	9.273e+04
84	1	1.874e+05	13.44	-0.14	1.91	0.0	-1767.52	-1834.74	-0.14	16.42	13.44	1.874e+05
		3.492e+04	-0.43	-3.32e-06		100.0	-1767.52	-731.33	-0.14	14.57	-0.43	3.492e+04
84	2	9.273e+04	6.56	-0.07	0.83	0.0	-862.99	-899.44	-0.07	8.02	6.56	9.273e+04
		1.691e+04	-0.21	-1.62e-06		100.0	-862.99	-395.08	-0.07	7.11	-0.21	1.691e+04
85	1	3.492e+04	-0.43	-0.01	1.17	0.0	-1515.12	-731.33	-9.39e-03	14.57	-0.43	3.492e+04
		-2887.09	-1.37	5.23e-06		100.0	-1515.12	-44.88	-9.39e-03	11.89	-1.37	-2887.09
85	2	1.691e+04	-0.21	9.98e-03	0.50	0.0	-739.76	-395.08	-4.58e-03	7.11	-0.21	1.691e+04
		-2293.58	-0.67	2.55e-06		100.0	-739.76	-17.16	-4.58e-03	5.80	-0.67	-2293.58
86	1	-122.47	0.25	-0.02	1.68	0.0	-1058.38	-44.88	8.12e-03	11.89	-1.37	-2887.10
		-3905.02	-1.37	1.01e-06		200.0	-1058.38	129.75	8.12e-03	6.61	0.25	-122.47
86	2	-24.12	0.12	8.31e-03	0.75	0.0	-516.75	-17.16	3.97e-03	5.80	-0.67	-2293.58
		-2474.68	-0.67	0.0		200.0	-516.75	58.48	3.97e-03	3.23	0.12	-24.12
87	1	2902.49	0.25	-0.01	2.28	0.0	-377.46	129.75	-1.01e-03	6.61	0.25	-122.47
		-122.47	0.0	0.0		250.0	-377.46	5.69e-04	-1.01e-03	0.0	0.0	9.87e-04
87	2	1326.64	0.12	5.99e-03	1.03	0.0	-184.29	58.48	-4.94e-04	3.23	0.12	-24.12
		-24.12	0.0	0.0		250.0	-184.29	2.31e-04	-4.94e-04	0.0	0.0	-9.83e-04
93	1	-6.291e+04	17.95	-1.14	2.37	0.0	-2140.10	1932.09	0.64	16.57	-46.50	-2.357e+05
		-2.357e+05	-46.50	-2.28e-04		100.0	-2140.10	1889.93	0.64	16.39	17.95	-6.291e+04
93	2	-3.076e+04	8.76	0.56	1.16	0.0	-1044.91	941.30	0.31	8.09	-22.70	-1.152e+05
		-1.152e+05	-22.70	-1.11e-04		100.0	-1044.91	927.97	0.31	8.00	8.76	-3.076e+04
94	1	1.956e+05	44.38	-1.33	1.93	0.0	-2117.16	1889.93	0.26	16.39	17.95	-6.291e+04
		-6.291e+04	17.95	-1.88e-04		100.0	-2117.16	3759.91	0.26	16.19	44.38	1.956e+05
94	2	9.632e+04	21.67	0.65	0.94	0.0	-1033.71	927.98	0.13	8.00	8.76	-3.076e+04
		-3.076e+04	8.76	-9.17e-05		100.0	-1033.71	1845.16	0.13	7.91	21.67	9.632e+04
95	1	2.611e+05	44.38	-0.76	7.72	0.0	-2002.40	3759.91	-0.27	16.19	44.38	1.956e+05
		1.874e+05	17.25	-6.60e-05		100.0	-2002.40	-1834.64	-0.27	14.57	17.25	1.874e+05
95	2	1.286e+05	21.67	0.37	3.68	0.0	-977.68	1845.15	-0.13	7.91	21.67	9.632e+04

		9.272e+04	8.42	-3.22e-05		100.0	-977.68	-899.38	-0.13	7.12	8.42	9.272e+04
96	1	1.874e+05	17.25	0.14	1.91	0.0	-1797.83	-1834.63	-0.18	14.57	17.25	1.874e+05
		3.492e+04	-0.56	-4.27e-06		100.0	-1797.83	-731.29	-0.18	12.93	-0.56	3.492e+04
96	2	9.272e+04	8.42	-0.07	0.83	0.0	-877.79	-899.38	-0.09	7.12	8.42	9.272e+04
		1.691e+04	-0.27	-2.08e-06		100.0	-877.79	-395.06	-0.09	6.31	-0.27	1.691e+04
97	1	3.492e+04	-0.56	-0.01	1.17	0.0	-1541.10	-731.30	-0.01	12.93	-0.56	3.492e+04
		-2886.38	-1.76	6.71e-06		100.0	-1541.10	-44.89	-0.01	10.55	-1.76	-2886.38
97	2	1.691e+04	-0.27	9.98e-03	0.50	0.0	-752.45	-395.06	-5.88e-03	6.31	-0.27	1.691e+04
		-2293.23	-0.86	3.28e-06		100.0	-752.45	-17.16	-5.88e-03	5.15	-0.86	-2293.23
98	1	-122.50	0.33	-0.02	1.68	0.0	-1076.53	-44.89	0.01	10.55	-1.76	-2886.38
		-3904.95	-1.76	1.30e-06		200.0	-1076.53	129.75	0.01	5.87	0.33	-122.50
98	2	-24.14	0.16	8.31e-03	0.75	0.0	-525.62	-17.16	5.09e-03	5.15	-0.86	-2293.23
		-2474.41	-0.86	0.0		200.0	-525.62	58.48	5.09e-03	2.86	0.16	-24.14
99	1	2902.47	0.33	-0.01	2.28	0.0	-383.93	129.75	-1.30e-03	5.87	0.33	-122.50
		-122.50	0.0	0.0		250.0	-383.93	5.34e-04	-1.30e-03	1.06e-06	0.0	-2.61e-04
99	2	1326.63	0.16	5.99e-03	1.03	0.0	-187.45	58.48	-6.35e-04	2.86	0.16	-24.14
		-24.14	0.0	0.0		250.0	-187.45	2.14e-04	-6.35e-04	0.0	0.0	-1.64e-03
105	1	-6.293e+04	10.58	1.14	2.37	0.0	-2182.81	1931.76	0.38	8.03	-27.40	-2.357e+05
		-2.357e+05	-27.40	-1.34e-04		100.0	-2182.81	1889.86	0.38	7.94	10.58	-6.293e+04
105	2	-3.077e+04	5.17	0.56	1.16	0.0	-1065.76	941.14	0.19	3.92	-13.38	-1.152e+05
		-1.152e+05	-13.38	-6.56e-05		100.0	-1065.76	927.94	0.19	3.88	5.17	-3.077e+04
106	1	1.956e+05	26.16	1.33	1.93	0.0	-2159.41	1889.86	0.16	7.94	10.58	-6.293e+04
		-6.293e+04	10.58	-1.11e-04		100.0	-2159.41	3759.95	0.16	7.85	26.16	1.956e+05
106	2	9.631e+04	12.77	-0.65	0.94	0.0	-1054.34	927.94	0.08	3.88	5.17	-3.077e+04
		-3.077e+04	5.17	-5.41e-05		100.0	-1054.34	1845.17	0.08	3.83	12.77	9.631e+04
107	1	2.610e+05	26.16	0.76	7.72	0.0	-2042.37	3759.95	-0.16	7.85	26.16	1.956e+05
		1.874e+05	10.17	-3.89e-05		100.0	-2042.37	-1834.51	-0.16	7.06	10.17	1.874e+05
107	2	1.286e+05	12.77	0.37	3.68	0.0	-997.19	1845.17	-0.08	3.83	12.77	9.631e+04
		9.272e+04	4.96	-1.90e-05		100.0	-997.19	-899.32	-0.08	3.45	4.96	9.272e+04
108	1	1.874e+05	10.17	-0.14	1.91	0.0	-1833.71	-1834.51	-0.10	7.06	10.17	1.874e+05
		3.492e+04	-0.33	-2.51e-06		100.0	-1833.71	-731.26	-0.10	6.27	-0.33	3.492e+04
108	2	9.272e+04	4.96	-0.07	0.83	0.0	-895.31	-899.32	-0.05	3.45	4.96	9.272e+04
		1.691e+04	-0.16	-1.23e-06		100.0	-895.31	-395.05	-0.05	3.06	-0.16	1.691e+04
109	1	3.492e+04	-0.33	-0.01	1.17	0.0	-1571.86	-731.26	-7.10e-03	6.27	-0.33	3.492e+04
		-2885.55	-1.04	3.96e-06		100.0	-1571.86	-44.90	-7.10e-03	5.11	-1.04	-2885.55
109	2	1.691e+04	-0.16	9.98e-03	0.50	0.0	-767.46	-395.05	-3.47e-03	3.06	-0.16	1.691e+04
		-2292.83	-0.51	1.93e-06		100.0	-767.46	-17.16	-3.47e-03	2.50	-0.51	-2292.83
110	1	-122.55	0.19	-0.02	1.68	0.0	-1098.01	-44.90	6.15e-03	5.11	-1.04	-2885.56
		-3904.88	-1.04	0.0		200.0	-1098.01	129.75	6.15e-03	2.84	0.19	-122.55
110	2	-24.16	0.09	8.31e-03	0.75	0.0	-536.11	-17.16	3.00e-03	2.50	-0.51	-2292.83
		-2474.11	-0.51	0.0		200.0	-536.11	58.48	3.00e-03	1.39	0.09	-24.16
111	1	2902.44	0.19	0.01	2.28	0.0	-391.59	129.75	-7.66e-04	2.84	0.19	-122.55
		-122.55	0.0	0.0		250.0	-391.59	4.76e-04	-7.66e-04	0.0	0.0	-2.28e-03
111	2	1326.62	0.09	5.99e-03	1.03	0.0	-191.20	58.48	-3.74e-04	1.39	0.09	-24.16
		-24.16	0.0	0.0		250.0	-191.20	1.90e-04	-3.74e-04	0.0	0.0	-2.40e-03
118	1	-6.293e+04	27.40	1.14	2.37	0.0	-2182.81	1931.76	-0.38	-8.03	27.40	-2.357e+05
		-2.357e+05	-10.58	1.34e-04		100.0	-2182.81	1889.86	-0.38	-7.94	-10.58	-6.293e+04
118	2	-3.077e+04	13.38	0.56	1.16	0.0	-1065.76	941.14	-0.19	-3.92	13.38	-1.152e+05
		-1.152e+05	-5.17	6.56e-05		100.0	-1065.76	927.94	-0.19	-3.88	-5.17	-3.077e+04
119	1	1.956e+05	-10.58	1.33	1.93	0.0	-2159.41	1889.86	-0.16	-7.94	-10.58	-6.293e+04
		-6.293e+04	-26.16	1.11e-04		100.0	-2159.41	3759.95	-0.16	-7.85	-26.16	1.956e+05
119	2	9.631e+04	-5.17	-0.65	0.94	0.0	-1054.34	927.94	-0.08	-3.88	-5.17	-3.077e+04
		-3.077e+04	-12.77	5.41e-05		100.0	-1054.34	1845.17	-0.08	-3.83	-12.77	9.631e+04
120	1	2.610e+05	-10.17	0.76	7.72	0.0	-2042.37	3759.95	0.16	-7.85	-26.16	1.956e+05
		1.874e+05	-26.16	3.89e-05		100.0	-2042.37	-1834.51	0.16	-7.06	-10.17	1.874e+05
120	2	1.286e+05	-4.96	0.37	3.68	0.0	-997.19	1845.17	0.08	-3.83	-12.77	9.631e+04
		9.272e+04	-12.77	1.90e-05		100.0	-997.19	-899.32	0.08	-3.45	-4.96	9.272e+04
121	1	1.874e+05	0.33	-0.14	1.91	0.0	-1833.71	-1834.51	0.10	-7.06	-10.17	1.874e+05
		3.492e+04	-10.17	2.51e-06		100.0	-1833.71	-731.26	0.10	-6.27	0.33	3.492e+04
121	2	9.272e+04	0.16	-0.07	0.83	0.0	-895.31	-899.32	0.05	-3.45	-4.96	9.272e+04
		1.691e+04	-4.96	1.23e-06		100.0	-895.31	-395.05	0.05	-3.06	0.16	1.691e+04
122	1	3.492e+04	1.04	-0.01	1.17	0.0	-1571.86	-731.26	7.10e-03	-6.27	0.33	3.492e+04
		-2885.55	0.33	-3.96e-06		100.0	-1571.86	-44.90	7.10e-03	-5.11	1.04	-2885.55
122	2	1.691e+04	0.51	9.98e-03	0.50	0.0	-767.46	-395.05	3.47e-03	-3.06	0.16	1.691e+04
		-2292.83	0.16	-1.93e-06		100.0	-767.46	-17.16	3.47e-03	-2.50	0.51	-2292.83
123	1	-122.55	1.04	-0.02	1.68	0.0	-1098.01	-44.90	-6.15e-03	-5.11	1.04	-2885.56
		-3904.88	-0.19	0.0		200.0	-1098.01	129.75	-6.15e-03	-2.84	-0.19	-122.55
123	2	-24.16	0.51	8.31e-03	0.75	0.0	-536.11	-17.16	-3.00e-03	-2.50	0.51	-2292.83
		-2474.11	-0.09	0.0		200.0	-536.11	58.48	-3.00e-03	-1.39	-0.09	-24.16
124	1	2902.44	0.0	0.01	2.28	0.0	-391.59	129.75	7.66e-04	-2.84	-0.19	-122.55
		-122.55	-0.19	0.0		250.0	-391.59	4.76e-04	7.66e-04	0.0	0.0	-2.28e-03

124	2	1326.62	0.0	5.99e-03	1.03	0.0	-191.20	58.48	3.74e-04	-1.39	-0.09	24.16
		-24.16	-0.09	0.0		250.0	-191.20	1.90e-04	3.74e-04	0.0	0.0	-2.40e-03
130	1	-6.291e+04	46.50	-1.14	2.37	0.0	-2140.10	1932.09	-0.64	-16.57	46.50	-2.357e+05
		-2.357e+05	-17.95	2.28e-04		100.0	-2140.10	1889.93	-0.64	-16.39	-17.95	-6.291e+04
130	2	-3.076e+04	22.70	0.56	1.16	0.0	-1044.91	941.30	-0.31	-8.09	22.70	-1.152e+05
		-1.152e+05	-8.76	1.11e-04		100.0	-1044.91	927.97	-0.31	-8.00	-8.76	-3.076e+04
131	1	1.956e+05	-17.95	-1.33	1.93	0.0	-2117.16	1889.93	-0.26	-16.39	-17.95	-6.291e+04
		-6.291e+04	-44.38	1.88e-04		100.0	-2117.16	3759.91	-0.26	-16.19	-44.38	1.956e+05
131	2	9.632e+04	-8.76	0.65	0.94	0.0	-1033.71	927.98	-0.13	-8.00	-8.76	-3.076e+04
		-3.076e+04	-21.67	9.17e-05		100.0	-1033.71	1845.16	-0.13	-7.91	-21.67	9.632e+04
132	1	2.611e+05	-17.25	-0.76	7.72	0.0	-2002.40	3759.91	0.27	-16.19	-44.38	1.956e+05
		1.874e+05	-44.38	6.60e-05		100.0	-2002.40	-1834.64	0.27	-14.57	-17.25	1.874e+05
132	2	1.286e+05	-8.42	0.37	3.68	0.0	-977.68	1845.15	0.13	-7.91	-21.67	9.632e+04
		9.272e+04	-21.67	3.22e-05		100.0	-977.68	-899.38	0.13	-7.12	-8.42	9.272e+04
133	1	1.874e+05	0.56	0.14	1.91	0.0	-1797.83	-1834.63	0.18	-14.57	-17.25	1.874e+05
		3.492e+04	-17.25	4.27e-06		100.0	-1797.83	-731.29	0.18	-12.93	0.56	3.492e+04
133	2	9.272e+04	0.27	-0.07	0.83	0.0	-877.79	-899.38	0.09	-7.12	-8.42	9.272e+04
		1.691e+04	-8.42	2.08e-06		100.0	-877.79	-395.06	0.09	-6.31	0.27	1.691e+04
134	1	3.492e+04	1.76	-0.01	1.17	0.0	-1541.10	-731.30	0.01	-12.93	0.56	3.492e+04
		-2886.38	0.56	-6.71e-06		100.0	-1541.10	-44.89	0.01	-10.55	1.76	-2886.38
134	2	1.691e+04	0.86	9.98e-03	0.50	0.0	-752.45	-395.06	5.88e-03	-6.31	0.27	1.691e+04
		-2293.23	0.27	-3.28e-06		100.0	-752.45	-17.16	5.88e-03	-5.15	0.86	-2293.23
135	1	-122.50	1.76	-0.02	1.68	0.0	-1076.53	-44.89	-0.01	-10.55	1.76	-2886.38
		-3904.95	-0.33	-1.30e-06		200.0	-1076.53	129.75	-0.01	-5.87	-0.33	-122.50
135	2	-24.14	0.86	8.31e-03	0.75	0.0	-525.62	-17.16	-5.09e-03	-5.15	0.86	-2293.23
		-2474.41	-0.16	0.0		200.0	-525.62	58.48	-5.09e-03	-2.86	-0.16	-24.14
136	1	2902.47	0.0	-0.01	2.28	0.0	-383.93	129.75	1.30e-03	-5.87	-0.33	-122.50
		-122.50	-0.33	0.0		250.0	-383.93	5.34e-04	1.30e-03	-1.06e-06	0.0	-2.61e-04
136	2	1326.63	0.0	5.99e-03	1.03	0.0	-187.45	58.48	6.35e-04	2.86	0.16	-24.14
		-24.14	-0.16	0.0		250.0	-187.45	2.14e-04	6.35e-04	0.0	0.0	-1.64e-03
142	1	-6.289e+04	36.22	1.14	2.37	0.0	-2104.01	1932.38	-0.50	-18.67	36.22	-2.357e+05
		-2.357e+05	-13.97	1.77e-04		100.0	-2104.01	1890.00	-0.50	-18.47	-13.97	-6.289e+04
142	2	-3.075e+04	17.69	0.56	1.16	0.0	-1027.29	941.44	-0.25	-9.11	17.69	-1.152e+05
		-1.152e+05	-6.82	8.66e-05		100.0	-1027.29	928.00	-0.25	-9.02	-6.82	-3.075e+04
143	1	1.956e+05	-13.97	-1.33	1.93	0.0	-2081.46	1890.00	-0.21	-18.47	-13.97	-6.289e+04
		-6.289e+04	-34.56	1.46e-04		100.0	-2081.46	3759.89	-0.21	-18.25	-34.56	1.956e+05
143	2	9.633e+04	-6.82	0.65	0.94	0.0	-1016.28	928.01	-0.10	-9.02	-6.82	-3.075e+04
		-3.075e+04	-16.88	7.14e-05		100.0	-1016.28	1845.14	-0.10	-8.91	-16.88	9.633e+04
144	1	2.611e+05	-13.44	-0.76	7.72	0.0	-1968.64	3759.89	0.21	-18.25	-34.56	1.956e+05
		1.874e+05	-34.56	5.14e-05		100.0	-1968.64	-1834.74	0.21	-16.42	-13.44	1.874e+05
144	2	1.286e+05	-6.56	0.37	3.68	0.0	-961.19	1845.14	0.10	-8.91	-16.88	9.633e+04
		9.273e+04	-16.88	2.51e-05		100.0	-961.19	-899.44	0.10	-8.02	-6.56	9.273e+04
145	1	1.874e+05	0.43	-0.14	1.91	0.0	-1767.52	-1834.74	0.14	-16.42	-13.44	1.874e+05
		3.492e+04	-13.44	3.32e-06		100.0	-1767.52	-731.33	0.14	-14.57	0.43	3.492e+04
145	2	9.273e+04	0.21	-0.07	0.83	0.0	-862.99	-899.44	0.07	-8.02	-6.56	9.273e+04
		1.691e+04	-6.56	1.62e-06		100.0	-862.99	-395.08	0.07	-7.11	0.21	1.691e+04
146	1	3.492e+04	1.37	-0.01	1.17	0.0	-1515.12	-731.33	9.39e-03	-14.57	0.43	3.492e+04
		-2887.09	0.43	-5.23e-06		100.0	-1515.12	-44.88	9.39e-03	-11.89	1.37	-2887.09
146	2	1.691e+04	0.67	9.98e-03	0.50	0.0	-739.76	-395.08	4.58e-03	-7.11	0.21	1.691e+04
		-2293.58	0.21	-2.55e-06		100.0	-739.76	-17.16	4.58e-03	-5.80	0.67	-2293.58
147	1	-122.47	1.37	-0.02	1.68	0.0	-1058.38	-44.88	-8.12e-03	-11.89	1.37	-2887.10
		-3905.02	-0.25	-1.01e-06		200.0	-1058.38	129.75	-8.12e-03	-6.61	-0.25	-122.47
147	2	-24.12	0.67	8.31e-03	0.75	0.0	-516.75	-17.16	-3.97e-03	-5.80	0.67	-2293.58
		-2474.68	-0.12	0.0		200.0	-516.75	58.48	-3.97e-03	-3.23	-0.12	-24.12
148	1	2902.49	0.0	-0.01	2.28	0.0	-377.46	129.75	1.01e-03	-6.61	-0.25	-122.47
		-122.47	-0.25	0.0		250.0	-377.46	5.69e-04	1.01e-03	0.0	0.0	9.87e-04
148	2	1326.64	0.0	5.99e-03	1.03	0.0	-184.29	58.48	4.94e-04	-3.23	-0.12	-24.12
		-24.12	-0.12	0.0		250.0	-184.29	2.31e-04	4.94e-04	0.0	0.0	-9.83e-04
154	1	-6.288e+04	18.06	1.14	2.37	0.0	-2086.94	1932.58	-0.25	-18.63	18.06	-2.357e+05
		-2.357e+05	-6.95	8.84e-05		100.0	-2086.94	1890.04	-0.25	-18.43	-6.95	-6.288e+04
154	2	-3.074e+04	8.82	-0.56	1.16	0.0	-1018.95	941.53	-0.12	-9.09	8.82	-1.152e+05
		-1.152e+05	-3.39	4.31e-05		100.0	-1018.95	928.02	-0.12	-9.00	-3.39	-3.074e+04
155	1	1.956e+05	-6.95	1.33	1.93	0.0	-2064.57	1890.04	-0.10	-18.43	-6.95	-6.288e+04
		-6.288e+04	-17.22	7.29e-05		100.0	-2064.57	3759.87	-0.10	-18.21	-17.22	1.956e+05
155	2	9.633e+04	-3.39	0.65	0.94	0.0	-1008.03	928.03	-0.05	-9.00	-3.39	-3.074e+04
		-3.074e+04	-8.41	3.56e-05		100.0	-1008.03	1845.13	-0.05	-8.89	-8.41	9.633e+04
156	1	2.611e+05	-6.70	-0.76	7.72	0.0	-1952.66	3759.87	0.11	-18.21	-17.22	1.956e+05
		1.874e+05	-17.22	2.56e-05		100.0	-1952.66	-1834.82	0.11	-16.38	-6.70	1.874e+05
156	2	1.286e+05	-3.27	0.37	3.68	0.0	-953.39	1845.13	0.05	-8.89	-8.41	9.633e+04
		9.273e+04	-8.41	1.25e-05		100.0	-953.39	-899.47	0.05	-8.00	-3.27	9.273e+04
157	1	1.874e+05	0.22	-0.14	1.91	0.0	-1753.18	-1834.82	0.07	-16.38	-6.70	1.874e+05



		3.492e+04	-6.70	1.66e-06		100.0	-1753.18	-731.35	0.07	-14.54	0.22	3.492e+04
157	2	9.273e+04	0.11	-0.07	0.83	0.0	-855.99	-899.47	0.03	-8.00	-3.27	9.273e+04
		1.691e+04	-3.27	0.0		100.0	-855.99	-395.09	0.03	-7.10	0.11	1.691e+04
158	1	3.492e+04	0.68	-0.01	1.17	0.0	-1502.82	-731.35	4.68e-03	-14.54	0.22	3.492e+04
		-2887.60	0.22	-2.61e-06		100.0	-1502.82	-44.88	4.68e-03	-11.86	0.68	-2887.60
158	2	1.691e+04	0.33	9.98e-03	0.50	0.0	-733.76	-395.09	2.29e-03	-7.10	0.11	1.691e+04
		-2293.82	0.11	-1.27e-06		100.0	-733.76	-17.15	2.29e-03	-5.79	0.33	-2293.82
159	1	-122.45	0.68	0.02	1.68	0.0	-1049.79	-44.88	-4.05e-03	-11.86	0.68	-2887.60
		-3905.06	-0.13	0.0		200.0	-1049.79	129.75	-4.05e-03	-6.59	-0.13	-122.45
159	2	-24.11	0.33	8.31e-03	0.75	0.0	-512.56	-17.15	-1.98e-03	-5.79	0.33	-2293.82
		-2474.86	-0.06	0.0		200.0	-512.56	58.48	-1.98e-03	-3.22	-0.06	-24.11
160	1	2902.51	0.0	0.01	2.28	0.0	-374.39	129.75	5.05e-04	-6.59	-0.13	-122.45
		-122.45	-0.13	0.0		250.0	-374.39	3.49e-04	5.05e-04	-1.55e-06	0.0	-6.73e-03
160	2	1326.65	0.0	-5.99e-03	1.03	0.0	-182.80	58.48	2.46e-04	-3.22	-0.06	-24.11
		-24.11	-0.06	0.0		250.0	-182.80	2.48e-04	2.46e-04	0.0	0.0	-4.31e-04
166	1	-6.288e+04	13.24	-1.14	2.37	0.0	-2086.97	1932.69	-0.18	-20.75	13.24	-2.357e+05
		-2.357e+05	-5.08	6.47e-05		100.0	-2086.97	1890.07	-0.18	-20.52	-5.08	-6.288e+04
166	2	-3.074e+04	6.47	0.56	1.16	0.0	-1018.96	941.59	-0.09	-10.13	6.47	-1.152e+05
		-1.152e+05	-2.48	3.16e-05		100.0	-1018.96	928.04	-0.09	-10.02	-2.48	-3.074e+04
167	1	1.956e+05	-5.08	-1.33	1.93	0.0	-2064.60	1890.06	-0.08	-20.52	-5.08	-6.288e+04
		-6.288e+04	-12.61	5.34e-05		100.0	-2064.60	3759.85	-0.08	-20.28	-12.61	1.956e+05
167	2	9.633e+04	-2.48	-0.65	0.94	0.0	-1008.04	928.04	-0.04	-10.02	-2.48	-3.074e+04
		-3.074e+04	-6.16	2.61e-05		100.0	-1008.04	1845.12	-0.04	-9.90	-6.16	9.633e+04
168	1	2.611e+05	-4.90	0.76	7.73	0.0	-1952.69	3759.86	0.08	-20.28	-12.61	1.956e+05
		1.874e+05	-12.61	1.88e-05		100.0	-1952.69	-1834.86	0.08	-18.25	-4.90	1.874e+05
168	2	1.286e+05	-2.39	-0.37	3.68	0.0	-953.40	1845.13	0.04	-9.90	-6.16	9.633e+04
		9.273e+04	-6.16	8.41e-06		100.0	-953.40	-899.49	0.04	-8.91	-2.39	9.273e+04
169	1	1.874e+05	0.16	-0.14	1.91	0.0	-1753.20	-1834.86	0.05	-18.25	-4.90	1.874e+05
		3.492e+04	-4.90	1.21e-06		100.0	-1753.20	-731.37	0.05	-16.19	0.16	3.492e+04
169	2	9.273e+04	0.08	-0.07	0.83	0.0	-856.00	-899.49	0.02	-8.91	-2.39	9.273e+04
		1.691e+04	-2.39	0.0		100.0	-856.00	-395.10	0.02	-7.91	0.08	1.691e+04
170	1	3.492e+04	0.50	-0.01	1.17	0.0	-1502.84	-731.37	3.43e-03	-16.19	0.16	3.492e+04
		-2887.88	0.16	-1.91e-06		100.0	-1502.84	-44.88	3.43e-03	-13.21	0.50	-2887.88
170	2	1.691e+04	0.24	-9.98e-03	0.50	0.0	-733.77	-395.10	1.68e-03	-7.91	0.08	1.691e+04
		-2293.96	0.08	0.0		100.0	-733.77	-17.15	1.68e-03	-6.45	0.24	-2293.96
171	1	-122.42	0.50	-0.02	1.68	0.0	-1049.80	-44.88	-2.96e-03	-13.21	0.50	-2887.89
		-3905.09	-0.09	0.0		200.0	-1049.80	129.75	-2.96e-03	-7.34	-0.09	-122.42
171	2	-24.10	0.24	8.31e-03	0.75	0.0	-512.57	-17.15	-1.45e-03	-6.45	0.24	-2293.96
		-2474.97	-0.05	0.0		200.0	-512.57	58.48	-1.45e-03	-3.59	-0.05	-24.10
172	1	2902.52	0.0	0.01	2.28	0.0	-374.40	129.75	3.70e-04	-7.34	-0.09	-122.42
		-122.42	-0.09	0.0		250.0	-374.40	3.82e-04	3.70e-04	-2.48e-06	0.0	-5.87e-03
172	2	1326.66	0.0	-5.99e-03	1.03	0.0	-182.80	58.48	1.80e-04	-3.59	-0.05	-24.10
		-24.10	-0.05	0.0		250.0	-182.80	2.55e-04	1.80e-04	0.0	0.0	-1.60e-04
178	1	-6.287e+04	42.91	-1.14	2.37	0.0	-2087.99	1932.76	-0.59	-29.32	42.91	-2.357e+05
		-2.357e+05	-16.54	2.10e-04		100.0	-2087.99	1890.08	-0.59	-29.00	-16.54	-6.287e+04
178	2	-3.074e+04	20.95	-0.56	1.16	0.0	-1019.46	941.63	-0.29	-14.32	20.95	-1.152e+05
		-1.152e+05	-8.07	1.03e-04		100.0	-1019.46	928.05	-0.29	-14.16	-8.07	-3.074e+04
179	1	1.956e+05	-16.54	-1.33	1.93	0.0	-2065.61	1890.08	-0.24	-29.00	-16.54	-6.287e+04
		-6.287e+04	-40.92	1.73e-04		100.0	-2065.61	3759.85	-0.24	-28.66	-40.92	1.956e+05
179	2	9.634e+04	-8.07	-0.65	0.94	0.0	-1008.54	928.05	-0.12	-14.16	-8.07	-3.074e+04
		-3.074e+04	-19.98	8.46e-05		100.0	-1008.54	1845.12	-0.12	-13.99	-19.98	9.634e+04
180	1	2.611e+05	-15.91	-0.76	7.73	0.0	-1953.64	3759.85	0.25	-28.66	-40.92	1.956e+05
		1.874e+05	-40.92	6.08e-05		100.0	-1953.64	-1834.89	0.25	-25.79	-15.91	1.874e+05
180	2	1.286e+05	-7.77	0.37	3.68	0.0	-953.87	1845.12	0.12	-13.99	-19.98	9.634e+04
		9.273e+04	-19.98	2.97e-05		100.0	-953.87	-899.51	0.12	-12.59	-7.77	9.273e+04
181	1	1.874e+05	0.51	-0.14	1.91	0.0	-1754.05	-1834.89	0.16	-25.79	-15.91	1.874e+05
		3.492e+04	-15.91	3.94e-06		100.0	-1754.05	-731.37	0.16	-22.89	0.51	3.492e+04
181	2	9.273e+04	0.25	-0.07	0.83	0.0	-856.42	-899.51	0.08	-12.59	-7.77	9.273e+04
		1.691e+04	-7.77	1.92e-06		100.0	-856.42	-395.10	0.08	-11.17	0.25	1.691e+04
182	1	3.492e+04	1.62	-0.01	1.17	0.0	-1503.58	-731.37	0.01	-22.89	0.51	3.492e+04
		-2888.06	0.51	-6.19e-06		100.0	-1503.58	-44.88	0.01	-18.67	1.62	-2888.06
182	2	1.691e+04	0.79	-9.98e-03	0.50	0.0	-734.12	-395.10	5.43e-03	-11.17	0.25	1.691e+04
		-2294.05	0.25	-3.02e-06		100.0	-734.12	-17.15	5.43e-03	-9.12	0.79	-2294.05
183	1	-122.42	1.62	0.02	1.68	0.0	-1050.32	-44.88	-9.62e-03	-18.67	1.62	-2888.07
		-3905.10	-0.30	-1.20e-06		200.0	-1050.32	129.75	-9.62e-03	-10.38	-0.30	-122.42
183	2	-24.10	0.79	-8.31e-03	0.75	0.0	-512.82	-17.15	-4.70e-03	-9.12	0.79	-2294.05
		-2475.03	-0.15	0.0		200.0	-512.82	58.49	-4.70e-03	-5.07	-0.15	-24.10
184	1	2902.52	0.0	0.01	2.28	0.0	-374.58	129.75	1.20e-03	-10.38	-0.30	-122.42
		-122.42	-0.30	0.0		250.0	-374.58	3.81e-04	1.20e-03	-2.30e-06	0.0	-5.54e-03
184	2	1326.66	0.0	-5.99e-03	1.03	0.0	-182.89	58.48	5.85e-04	-5.07	-0.15	-24.10
		-24.10	-0.15	0.0		250.0	-182.89	2.63e-04	5.85e-04	0.0	0.0	-1.85e-04

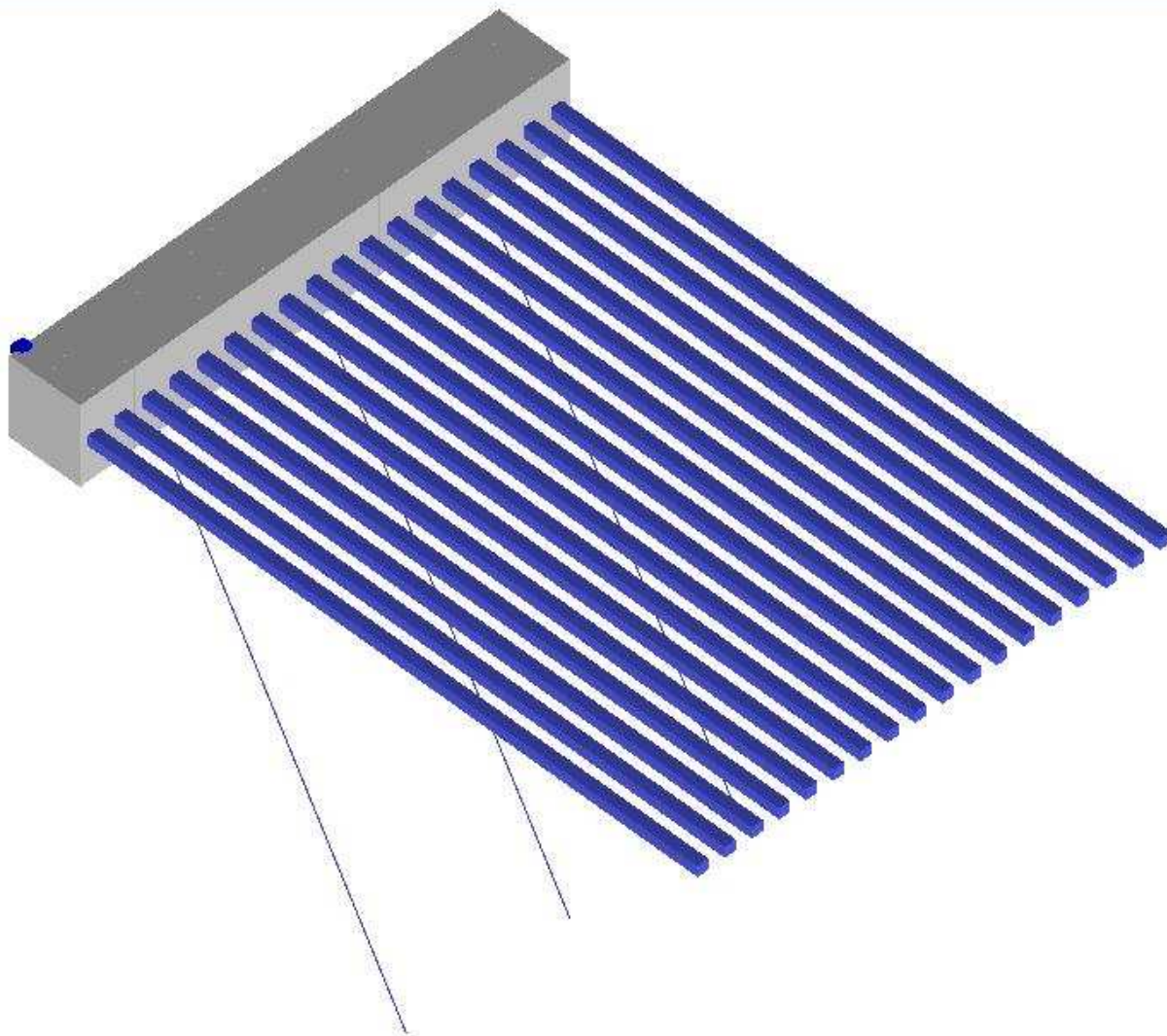
191	1	-6.285e+04	112.63	-1.14	2.38	0.0	-2037.26	1933.16	-1.56	-45.43	112.63	-2.357e+05
		-2.357e+05	-43.47	5.52e-04		100.0	-2037.26	1890.17	-1.56	-44.94	-43.47	-6.285e+04
191	2	-3.073e+04	54.99	0.56	1.16	0.0	-994.70	941.82	-0.76	-22.18	54.99	-1.152e+05
		-1.152e+05	-21.22	2.69e-04		100.0	-994.70	928.09	-0.76	-21.94	-21.22	-3.073e+04
192	1	1.957e+05	-43.47	-1.33	1.93	0.0	-2015.43	1890.17	-0.64	-44.94	-43.47	-6.285e+04
		-6.285e+04	-107.49	4.55e-04		100.0	-2015.43	3759.81	-0.64	-44.41	-107.49	1.957e+05
192	2	9.635e+04	-21.22	0.65	0.94	0.0	-984.04	928.09	-0.31	-21.94	-21.22	-3.073e+04
		-3.073e+04	-52.48	2.22e-04		100.0	-984.04	1845.10	-0.31	-21.68	-52.48	9.635e+04
193	1	2.611e+05	-41.79	-0.76	7.73	0.0	-1906.18	3759.81	0.66	-44.41	-107.49	1.957e+05
		1.874e+05	-107.49	1.60e-04		100.0	-1906.18	-1835.04	0.66	-39.96	-41.79	1.874e+05
193	2	1.286e+05	-20.40	0.37	3.68	0.0	-930.70	1845.10	0.32	-21.68	-52.48	9.635e+04
		9.274e+04	-52.48	7.80e-05		100.0	-930.70	-899.58	0.32	-19.51	-20.40	9.274e+04
194	1	1.874e+05	1.35	-0.14	1.91	0.0	-1711.44	-1835.04	0.43	-39.96	-41.79	1.874e+05
		3.492e+04	-41.79	1.03e-05		100.0	-1711.44	-731.42	0.43	-35.46	1.35	3.492e+04
194	2	9.274e+04	0.66	-0.07	0.83	0.0	-835.61	-899.58	0.21	-19.51	-20.40	9.274e+04
		1.691e+04	-20.40	5.05e-06		100.0	-835.61	-395.13	0.21	-17.31	0.66	1.691e+04
195	1	3.492e+04	4.26	-0.01	1.17	0.0	-1467.05	-731.42	0.03	-35.46	1.35	3.492e+04
		-2889.07	1.35	-1.52e-05		100.0	-1467.05	-44.87	0.03	-28.93	4.26	-2889.07
195	2	1.691e+04	2.08	-9.98e-03	0.50	0.0	-716.29	-395.13	0.01	-17.31	0.66	1.691e+04
		-2294.54	0.66	-7.94e-06		100.0	-716.29	-17.15	0.01	-14.12	2.08	-2294.54
196	1	-122.36	4.26	-0.02	1.68	0.0	-1024.80	-44.87	-0.03	-28.93	4.26	-2889.08
		-3905.20	-0.79	-3.58e-06		200.0	-1024.80	129.75	-0.03	-16.08	-0.79	-122.36
196	2	-24.07	2.08	8.31e-03	0.75	0.0	-500.36	-17.15	-0.01	-14.12	2.08	-2294.54
		-2475.41	-0.38	-1.53e-06		200.0	-500.36	58.48	-0.01	-7.85	-0.38	-24.07
197	1	2902.55	0.0	-0.01	2.28	0.0	-365.48	129.75	3.15e-03	-16.08	-0.79	-122.36
		-122.36	-0.79	1.08e-06		250.0	-365.48	4.49e-04	3.15e-03	-1.67e-06	0.0	-3.45e-03
197	2	1326.67	0.0	5.99e-03	1.03	0.0	-178.45	58.48	1.54e-03	-7.85	-0.38	-24.07
		-24.07	-0.38	0.0		250.0	-178.45	1.70e-04	1.54e-03	0.0	0.0	-3.11e-03
203	1	-6.281e+04	149.74	-1.14	2.38	0.0	-1932.06	1933.89	-2.08	-54.02	149.74	-2.357e+05
		-2.357e+05	-57.80	7.34e-04		100.0	-1932.06	1890.33	-2.08	-53.44	-57.80	-6.281e+04
203	2	-3.071e+04	73.11	0.56	1.16	0.0	-943.33	942.18	-1.01	-26.38	73.11	-1.152e+05
		-1.152e+05	-28.22	3.58e-04		100.0	-943.33	928.17	-1.01	-26.09	-28.22	-3.071e+04
204	1	1.957e+05	-57.80	-1.33	1.93	0.0	-1911.36	1890.34	-0.85	-53.44	-57.80	-6.281e+04
		-6.281e+04	-142.92	6.05e-04		100.0	-1911.36	3759.74	-0.85	-52.80	-142.92	1.957e+05
204	2	9.637e+04	-28.22	0.65	0.94	0.0	-933.22	928.17	-0.42	-26.09	-28.22	-3.071e+04
		-3.071e+04	-69.78	2.95e-04		100.0	-933.22	1845.07	-0.42	-25.78	-69.78	9.637e+04
205	1	2.611e+05	-55.56	-0.76	7.73	0.0	-1807.75	3759.74	0.87	-52.80	-142.92	1.957e+05
		1.874e+05	-142.92	2.12e-04		100.0	-1807.75	-1835.31	0.87	-47.52	-55.56	1.874e+05
205	2	1.286e+05	-27.13	-0.37	3.68	0.0	-882.64	1845.07	0.43	-25.78	-69.78	9.637e+04
		9.275e+04	-69.78	1.04e-04		100.0	-882.64	-899.72	0.43	-23.20	-27.13	9.275e+04
206	1	1.874e+05	1.79	0.14	1.91	0.0	-1623.07	-1835.31	0.57	-47.52	-55.56	1.874e+05
		3.492e+04	-55.56	1.37e-05		100.0	-1623.07	-731.51	0.57	-42.17	1.79	3.492e+04
206	2	9.275e+04	0.87	-0.07	0.83	0.0	-792.47	-899.72	0.28	-23.20	-27.13	9.275e+04
		1.691e+04	-27.13	6.71e-06		100.0	-792.47	-395.17	0.28	-20.59	0.87	1.691e+04
207	1	3.492e+04	5.67	0.01	1.17	0.0	-1391.30	-731.51	0.04	-42.17	1.79	3.492e+04
		-2890.91	1.79	-2.02e-05		100.0	-1391.30	-44.85	0.04	-34.40	5.67	-2890.91
207	2	1.691e+04	2.77	9.99e-03	0.50	0.0	-679.30	-395.17	0.02	-20.59	0.87	1.691e+04
		-2295.44	0.87	-1.06e-05		100.0	-679.30	-17.14	0.02	-16.79	2.77	-2295.44
208	1	-122.27	5.67	0.02	1.68	0.0	-971.88	-44.85	-0.03	-34.40	5.67	-2890.91
		-3905.36	-1.05	-4.76e-06		200.0	-971.88	129.75	-0.03	-19.12	-1.05	-122.27
208	2	-24.02	2.77	-8.31e-03	0.75	0.0	-474.52	-17.14	-0.02	-16.79	2.77	-2295.44
		-2476.08	-0.51	-2.04e-06		200.0	-474.52	58.49	-0.02	-9.34	-0.51	-24.02
209	1	2902.61	0.0	0.01	2.28	0.0	-346.61	129.75	4.19e-03	-19.12	-1.05	-122.27
		-122.27	-1.05	1.44e-06		250.0	-346.61	5.38e-04	4.19e-03	-2.95e-06	0.0	-5.67e-05
209	2	1326.70	0.0	-5.99e-03	1.03	0.0	-169.23	58.48	2.04e-03	-9.34	0.0	-24.02
		-24.02	-0.51	0.0		250.0	-169.23	2.27e-04	2.04e-03	0.0	0.0	-1.27e-03
215	1	-6.277e+04	158.79	1.14	2.38	0.0	-1819.98	1934.58	-2.20	-56.17	158.79	-2.357e+05
		-2.357e+05	-61.29	7.78e-04		100.0	-1819.98	1890.49	-2.20	-55.56	-61.29	-6.277e+04
215	2	-3.069e+04	77.53	0.56	1.16	0.0	-888.61	942.52	-1.07	-27.42	77.53	-1.152e+05
		-1.152e+05	-29.92	3.80e-04		100.0	-888.61	928.24	-1.07	-27.13	-29.92	-3.069e+04
216	1	1.957e+05	-61.29	1.33	1.93	0.0	-1800.47	1890.49	-0.90	-55.56	-61.29	-6.277e+04
		-6.277e+04	-151.55	6.42e-04		100.0	-1800.47	3759.67	-0.90	-54.90	-151.55	1.957e+05
216	2	9.639e+04	-29.92	0.65	0.94	0.0	-879.08	928.25	-0.44	-27.13	-29.92	-3.069e+04
		-3.069e+04	-73.99	3.13e-04		100.0	-879.08	1845.04	-0.44	-26.81	-73.99	9.639e+04
217	1	2.612e+05	-58.92	0.76	7.73	0.0	-1702.88	3759.67	0.93	-54.90	-151.55	1.957e+05
		1.875e+05	-151.55	2.25e-04		100.0	-1702.88	-1835.57	0.93	-49.41	-58.92	1.875e+05
217	2	1.286e+05	-28.77	-0.37	3.68	0.0	-831.43	1845.03	0.45	-26.81	-73.99	9.639e+04
		9.275e+04	-73.99	1.10e-04		100.0	-831.43	-899.84	0.45	-24.12	-28.77	9.275e+04
218	1	1.875e+05	1.90	0.14	1.91	0.0	-1528.91	-1835.57	0.61	-49.41	-58.92	1.875e+05
		3.492e+04	-58.92	1.46e-05		100.0	-1528.91	-731.59	0.61	-43.84	1.90	3.492e+04
218	2	9.275e+04	0.93	0.07	0.83	0.0	-746.49	-899.84	0.30	-24.12	-28.77	9.275e+04

		1.691e+04	-28.77	7.11e-06		100.0	-746.49	-395.21	0.30	-21.41	0.93	1.691e+04
219	1	3.492e+04	6.01	0.01	1.17	0.0	-1310.58	-731.59	0.04	-43.84	1.90	3.492e+04
		-2892.65	1.90	-2.14e-05		100.0	-1310.58	-44.83	0.04	-35.76	6.01	-2892.65
219	2	1.691e+04	2.94	-9.99e-03	0.50	0.0	-639.89	-395.21	0.02	-21.41	0.93	1.691e+04
		-2296.28	0.93	-1.12e-05		100.0	-639.89	-17.13	0.02	-17.46	2.94	-2296.28
220	1	-122.17	6.01	0.02	1.68	0.0	-915.50	-44.83	-0.04	-35.76	6.01	-2892.65
		-3905.52	-1.11	-5.05e-06		200.0	-915.50	129.75	-0.04	-19.88	-1.11	-122.17
220	2	-23.98	2.94	-8.31e-03	0.75	0.0	-446.99	-17.13	-0.02	-17.46	2.94	-2296.29
		-2476.72	-0.54	-2.16e-06		200.0	-446.99	58.49	-0.02	-9.71	-0.54	-23.98
221	1	2902.67	0.0	0.01	2.28	0.0	-326.50	129.75	4.44e-03	-19.88	-1.11	-122.17
		-122.17	-1.11	1.53e-06		250.0	-326.50	4.15e-04	4.44e-03	3.43e-06	0.0	-4.59e-03
221	2	1326.73	0.0	-5.99e-03	1.03	0.0	-159.42	58.48	2.17e-03	-9.71	-0.54	-23.98
		-23.98	-0.54	0.0		250.0	-159.42	2.73e-04	2.17e-03	-2.61e-06	0.0	5.84e-04
<b>Trave f.</b>		<b>M3 mx/mn</b>	<b>M2 mx/mn</b>	<b>D 2 / D 3</b>	<b>Pt</b>		<b>N</b>	<b>V 2</b>	<b>V 3</b>	<b>T</b>		
		-2.357e+05	-158.79	-1.33	0.50		-2182.81	-1835.57	-2.20	-56.17		
		2.612e+05	158.79	1.33	7.73		-159.42	3759.95	2.20	56.17		

Nelle pagine seguenti si riportano diagrammi, schemi, mappe a colori, riassuntivi di tutti i principali dimensionamenti e verifiche effettuate sulla struttura.

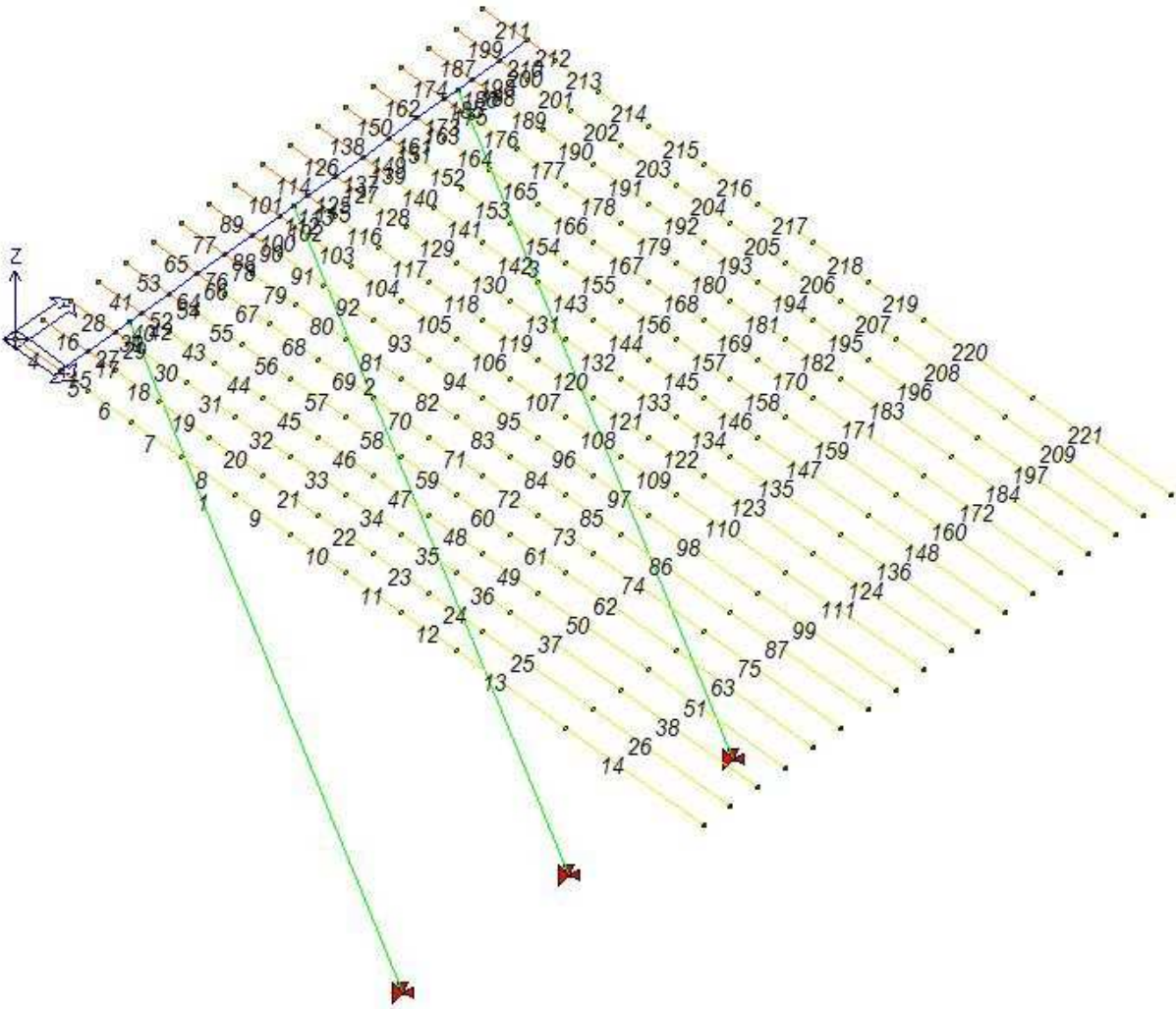
**MODELLO 3D (considerata una fascia di struttura di ml. 9,00 comprendente n. 3 tiranti attivi)**

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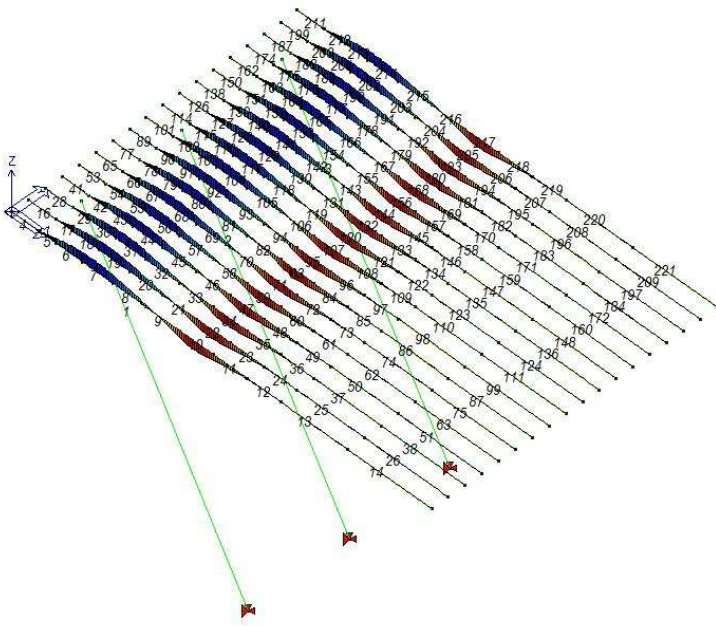
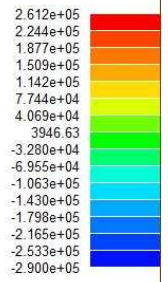
# NUMERAZIONE ASTE

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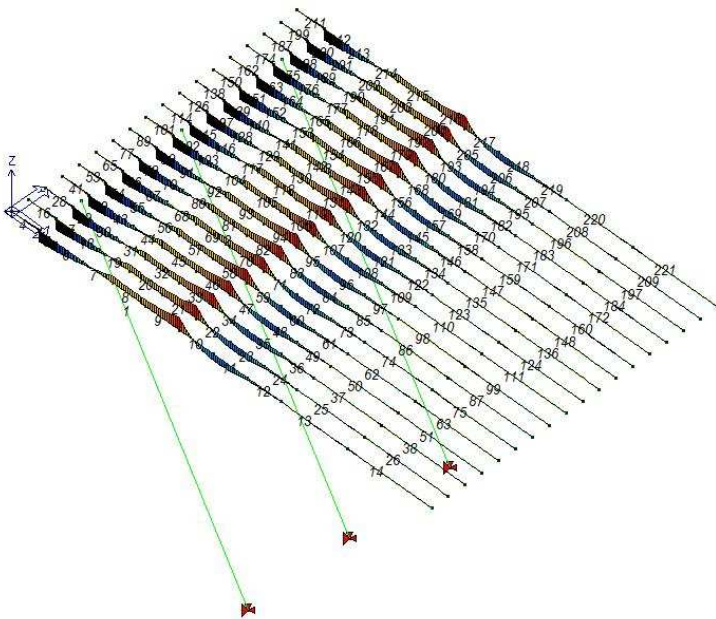
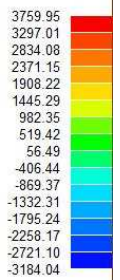
# DIAGRAMMA MOMENTO FLETTENTE

RISULTATI 001) Comb. SLU A1 1  
Momento 3-3 [daN cm]



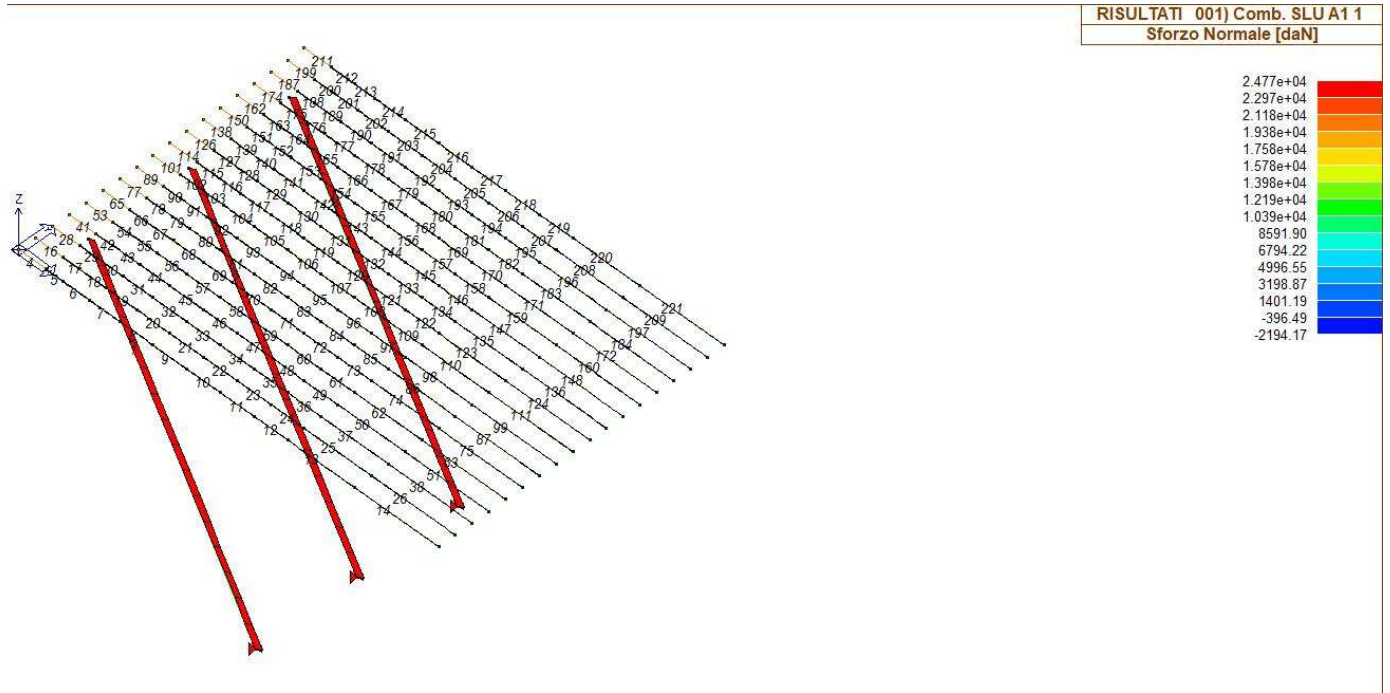
# DIAGRAMMA TAGLIO

RISULTATI 001) Comb. SLU A1 1  
Taglio 2 [daN]





# DIAGRAMMA SFORZO NORMALE TIRANTI



# DEFORMATA ALLO SLE

