

Tabella delle sezioni

n. sez. = 3 numero di sezioni in uso nel modello

Legenda

Indice = Indice della sezione

Nome = Nome della sezione

b = Base della sezione (solo per sezione rettangolare)

h = Altezza della sezione (solo per sezione rettangolare)

A = Area della sezione

I = Momento d'inerzia della sezione

E = Modulo elastico del materiale

Indice	Nome	b	h	A	I	E	In uso
sezione	sezione	[mm]	[mm]	[mm ²]	[mm ⁴]	[N/mm ²]	
1	R30x30	300	300	90000	6.75E+08	30000	VERO
3	R30x60	300	600	180000	5.40E+09	30000	VERO
4	R30x70	300	700	210000	8.58E+09	30000	VERO

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Tabella dei nodi

N. nodi = 20 numero di nodi del modello

Legenda

Nodo = Indice del nodo

X = coordinata X del nodo

Y = coordinata Y del nodo

F_x = Forza concentrata esterna applicata nel nodo in direzione X

F_y = Forza concentrata esterna applicata nel nodo in direzione Y

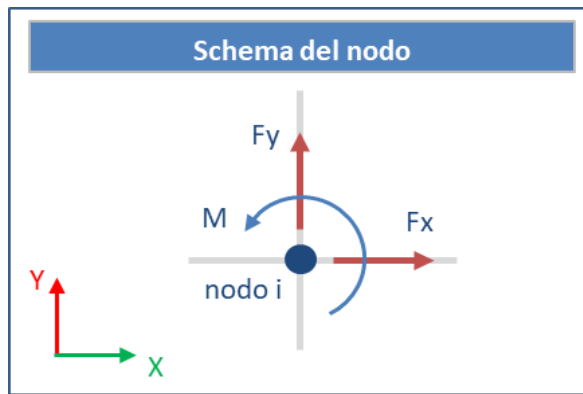
M = Momento esterno applicato nel nodo

Vincoli esterni: VERO = grado di libertà impedito

u = traslazione del nodo lungo l'asse X

v = traslazione del nodo lungo l'asse Y

ϕ = rotazione del nodo



Nodo	X	Y	F_x	F_y	M	Vincoli esterni		
						u	v	ϕ
	[m]	[m]	[kN]	[kN]	[kNm]			
1	0.00	0.00				VERO	VERO	VERO
2	0.00	3.00						
3	0.00	6.00						
4	0.00	9.00						
5	5.00	0.00				VERO	VERO	VERO
6	5.00	3.00						
7	5.00	6.00						
8	5.00	9.00						
9	10.00	0.00				VERO	VERO	VERO
10	10.00	3.00						
11	10.00	6.00						
12	10.00	10.00						
13	15.00	0.00				VERO	VERO	VERO
14	15.00	3.00						
15	15.00	6.00						
16	15.00	9.00						
17	20.00	0.00				VERO	VERO	VERO
18	20.00	3.00						
19	20.00	6.00						
20	20.00	9.00						

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Tabella delle aste

N. aste = 27 numero di aste del modello

Legenda

Indice = indice dell'asta

nodo i = nodo i collegato all'asta

nodo j = nodo j collegato all'asta

sezione = sezione dell'asta

q_x = carico uniform. distribuito in direzione X sull'asta

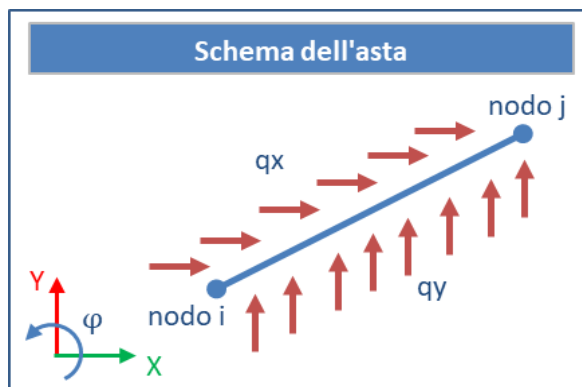
q_y = carico uniform. distribuito in direzione Y sull'asta

L = Lunghezza dell'asta

Vincoli interni: VERO = grado di libertà svincolato

φ_i rotazione nel nodo i

φ_j rotazione nel nodo j



Indice asta	nodo i	nodo j	Sezione	q_x [kN/m]	q_y [kN/m]	L [m]	Vincoli interni	
							φ_i	φ_j
1	1	2	R30x70			3.00		
2	2	3	R30x30			3.00		
3	3	4	R30x30			3.00		
4	5	6	R30x30			3.00		
5	6	7	R30x30			3.00		
6	7	8	R30x30			3.00		
7	9	10	R30x30			3.00		
8	10	11	R30x30			3.00		
9	11	12	R30x30			4.00		
10	13	14	R30x30			3.00		
11	14	15	R30x30			3.00		
12	15	16	R30x30			3.00		
13	17	18	R30x70			3.00		
14	18	19	R30x30			3.00		
15	19	20	R30x30			3.00		
16	2	6	R30x60	0.00	-25.00	5.00		
17	6	10	R30x30	0.00	-25.00	5.00		
18	10	14	R30x30	0.00	-25.00	5.00		
19	14	18	R30x60	0.00	-25.00	5.00		
20	3	7	R30x30	0.00	-25.00	5.00		

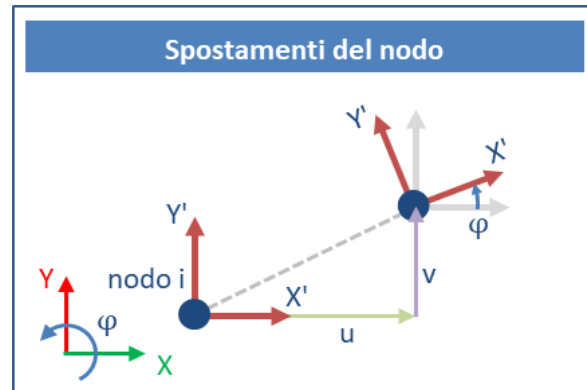
21	7	11	R30x30	0.00	-25.00	5.00		
22	11	15	R30x30	0.00	-25.00	5.00		
23	15	19	R30x30	0.00	-25.00	5.00		
24	4	8	R30x30	0.00	-25.00	5.00		
25	8	12	R30x30	0.00	-25.00	5.10		
26	12	16	R30x30	0.00	-25.00	5.10		
27	16	20	R30x30	0.00	-25.00	5.00		

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Tabella degli spostamenti dei nodi

Legenda

- Nodo = indice del nodo
 u = spostamento del nodo in direzione X
 v = spostamento del nodo in direzione Y
 φ = rotazione del nodo

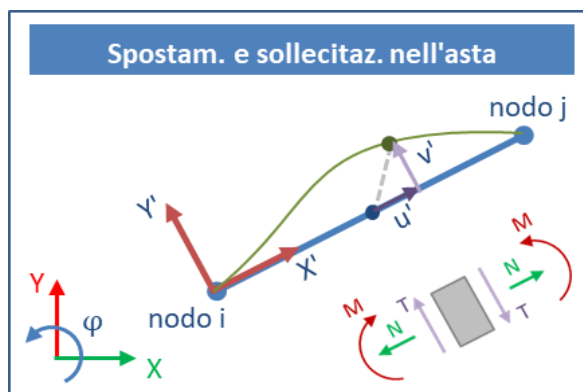


Nodo	u	v	φ
	[mm]	[mm]	[rad]
1	0.0E+00	0.0E+00	0.0E+00
2	2.2E-02	-8.6E-02	-1.2E-04
3	-4.1E-02	-2.2E-01	-5.5E-04
4	1.1E-01	-2.8E-01	-1.2E-03
5	0.0E+00	0.0E+00	0.0E+00
6	1.5E-02	-4.3E-01	-2.8E-05
7	-1.8E-02	-7.2E-01	1.3E-05
8	7.2E-02	-8.7E-01	5.6E-05
9	0	0	0
10	-1.9E-14	-0.40241	1.36E-17
11	-1.1E-13	-0.66551	1.72E-17
12	-2.2E-13	-0.83099	7.63E-18
13	0	0	0
14	-0.0147	-0.43065	2.75E-05
15	0.018256	-0.72226	-1.3E-05
16	-0.07223	-0.87321	-5.6E-05
17	0	0	0
18	-0.02229	-0.08635	0.000119
19	0.040651	-0.21874	0.00055
20	-0.11239	-0.28351	0.001158

Deformata e sollecitazioni nelle aste

Legenda

- Asta = indice dell'asta
- x', y' = sistema di riferimento locale dell'asta
- x' = ascissa x' nel riferimento locale dell'asta
- u' = spostamento del punto in direzione x'
- v' = spostamento del punto in direzione y'
- M = momento flettente
- T = taglio
- N = sforzo normale



Asta	x' [mm]	u' [mm]	v' [mm]	M [kNm]	T [kN]	N [kN]
1	0.00	0.00	0.00	-16.51	-17.79	181.33
1	300.00	-0.01	0.00	-11.18	-17.79	181.33
1	600.00	-0.02	0.01	-5.84	-17.79	181.33
1	900.00	-0.03	0.02	-0.50	-17.79	181.33
1	1200.00	-0.03	0.03	4.83	-17.79	181.33
1	1500.00	-0.04	0.03	10.17	-17.79	181.33
1	1800.00	-0.05	0.04	15.50	-17.79	181.33
1	2100.00	-0.06	0.03	20.84	-17.79	181.33
1	2400.00	-0.07	0.03	26.17	-17.79	181.33
1	2700.00	-0.08	0.01	31.51	-17.79	181.33
1	3000.00	-0.09	-0.02	36.84	-17.79	181.33
2	0.00	-0.09	-0.02	-11.48	-9.59	119.16
2	300.00	-0.10	-0.03	-8.60	-9.59	119.16
2	600.00	-0.11	-0.01	-5.72	-9.59	119.16
2	900.00	-0.13	0.04	-2.84	-9.59	119.16
2	1200.00	-0.14	0.11	0.03	-9.59	119.16
2	1500.00	-0.15	0.17	2.91	-9.59	119.16
2	1800.00	-0.17	0.22	5.79	-9.59	119.16
2	2100.00	-0.18	0.25	8.67	-9.59	119.16
2	2400.00	-0.19	0.23	11.55	-9.59	119.16
2	2700.00	-0.21	0.17	14.42	-9.59	119.16
2	3000.00	-0.22	0.04	17.30	-9.59	119.16
3	0.00	-0.22	0.04	-28.42	-21.69	58.29
3	300.00	-0.23	-0.07	-21.92	-21.69	58.29

3	600.00	-0.23	-0.08	-15.41	-21.69	58.29
3	900.00	-0.24	-0.02	-8.91	-21.69	58.29
3	1200.00	-0.24	0.08	-2.40	-21.69	58.29
3	1500.00	-0.25	0.19	4.11	-21.69	58.29
3	1800.00	-0.26	0.28	10.61	-21.69	58.29
3	2100.00	-0.26	0.33	17.12	-21.69	58.29
3	2400.00	-0.27	0.30	23.62	-21.69	58.29
3	2700.00	-0.28	0.16	30.13	-21.69	58.29
3	3000.00	-0.28	-0.11	36.64	-21.69	58.29
4	0.00	0.00	0.00	-0.17	-0.24	387.58
4	300.00	-0.04	0.00	-0.10	-0.24	387.58
4	600.00	-0.09	0.00	-0.03	-0.24	387.58
4	900.00	-0.13	0.00	0.04	-0.24	387.58
4	1200.00	-0.17	0.00	0.11	-0.24	387.58
4	1500.00	-0.22	0.00	0.19	-0.24	387.58
4	1800.00	-0.26	0.00	0.26	-0.24	387.58
4	2100.00	-0.30	0.00	0.33	-0.24	387.58
4	2400.00	-0.34	0.00	0.40	-0.24	387.58
4	2700.00	-0.39	-0.01	0.47	-0.24	387.58
4	3000.00	-0.43	-0.01	0.54	-0.24	387.58
5	0.00	-0.43	-0.01	-1.01	-0.49	262.45
5	300.00	-0.46	-0.02	-0.86	-0.49	262.45
5	600.00	-0.49	-0.02	-0.72	-0.49	262.45
5	900.00	-0.52	-0.02	-0.57	-0.49	262.45
5	1200.00	-0.55	-0.02	-0.42	-0.49	262.45
5	1500.00	-0.58	-0.01	-0.27	-0.49	262.45
5	1800.00	-0.61	-0.01	-0.13	-0.49	262.45
5	2100.00	-0.63	0.00	0.02	-0.49	262.45
5	2400.00	-0.66	0.01	0.17	-0.49	262.45
5	2700.00	-0.69	0.01	0.32	-0.49	262.45
5	3000.00	-0.72	0.02	0.46	-0.49	262.45
6	0.00	-0.72	0.02	2.33	1.74	135.86
6	300.00	-0.74	0.02	1.80	1.74	135.86
6	600.00	-0.75	0.01	1.28	1.74	135.86
6	900.00	-0.77	-0.01	0.76	1.74	135.86
6	1200.00	-0.78	-0.02	0.23	1.74	135.86
6	1500.00	-0.80	-0.04	-0.29	1.74	135.86
6	1800.00	-0.81	-0.06	-0.81	1.74	135.86
6	2100.00	-0.83	-0.07	-1.33	1.74	135.86
6	2400.00	-0.84	-0.08	-1.86	1.74	135.86
6	2700.00	-0.86	-0.08	-2.38	1.74	135.86
6	3000.00	-0.87	-0.07	-2.90	1.74	135.86
7	0.00	0.00	0.00	0.00	0.00	362.17
7	300.00	-0.04	0.00	0.00	0.00	362.17
7	600.00	-0.08	0.00	0.00	0.00	362.17
7	900.00	-0.12	0.00	0.00	0.00	362.17
7	1200.00	-0.16	0.00	0.00	0.00	362.17
7	1500.00	-0.20	0.00	0.00	0.00	362.17
7	1800.00	-0.24	0.00	0.00	0.00	362.17
7	2100.00	-0.28	0.00	0.00	0.00	362.17

7	2400.00	-0.32	0.00	0.00	0.00	362.17
7	2700.00	-0.36	0.00	0.00	0.00	362.17
7	3000.00	-0.40	0.00	0.00	0.00	362.17
8	0.00	-0.40	0.00	0.00	0.00	236.79
8	300.00	-0.43	0.00	0.00	0.00	236.79
8	600.00	-0.46	0.00	0.00	0.00	236.79
8	900.00	-0.48	0.00	0.00	0.00	236.79
8	1200.00	-0.51	0.00	0.00	0.00	236.79
8	1500.00	-0.53	0.00	0.00	0.00	236.79
8	1800.00	-0.56	0.00	0.00	0.00	236.79
8	2100.00	-0.59	0.00	0.00	0.00	236.79
8	2400.00	-0.61	0.00	0.00	0.00	236.79
8	2700.00	-0.64	0.00	0.00	0.00	236.79
8	3000.00	-0.67	0.00	0.00	0.00	236.79
9	0.00	-0.67	0.00	0.00	0.00	111.70
9	400.00	-0.68	0.00	0.00	0.00	111.70
9	800.00	-0.70	0.00	0.00	0.00	111.70
9	1200.00	-0.72	0.00	0.00	0.00	111.70
9	1600.00	-0.73	0.00	0.00	0.00	111.70
9	2000.00	-0.75	0.00	0.00	0.00	111.70
9	2400.00	-0.76	0.00	0.00	0.00	111.70
9	2800.00	-0.78	0.00	0.00	0.00	111.70
9	3200.00	-0.80	0.00	0.00	0.00	111.70
9	3600.00	-0.81	0.00	0.00	0.00	111.70
9	4000.00	-0.83	0.00	0.00	0.00	111.70
10	0.00	0.00	0.00	0.17	0.24	387.58
10	300.00	-0.04	0.00	0.10	0.24	387.58
10	600.00	-0.09	0.00	0.03	0.24	387.58
10	900.00	-0.13	0.00	-0.04	0.24	387.58
10	1200.00	-0.17	0.00	-0.11	0.24	387.58
10	1500.00	-0.22	0.00	-0.19	0.24	387.58
10	1800.00	-0.26	0.00	-0.26	0.24	387.58
10	2100.00	-0.30	0.00	-0.33	0.24	387.58
10	2400.00	-0.34	0.00	-0.40	0.24	387.58
10	2700.00	-0.39	0.01	-0.47	0.24	387.58
10	3000.00	-0.43	0.01	-0.54	0.24	387.58
11	0.00	-0.43	0.01	1.01	0.49	262.45
11	300.00	-0.46	0.02	0.86	0.49	262.45
11	600.00	-0.49	0.02	0.72	0.49	262.45
11	900.00	-0.52	0.02	0.57	0.49	262.45
11	1200.00	-0.55	0.02	0.42	0.49	262.45
11	1500.00	-0.58	0.01	0.27	0.49	262.45
11	1800.00	-0.61	0.01	0.13	0.49	262.45
11	2100.00	-0.63	0.00	-0.02	0.49	262.45
11	2400.00	-0.66	-0.01	-0.17	0.49	262.45
11	2700.00	-0.69	-0.01	-0.32	0.49	262.45
11	3000.00	-0.72	-0.02	-0.46	0.49	262.45
12	0.00	-0.72	-0.02	-2.33	-1.74	135.86
12	300.00	-0.74	-0.02	-1.80	-1.74	135.86
12	600.00	-0.75	-0.01	-1.28	-1.74	135.86

12	900.00	-0.77	0.01	-0.76	-1.74	135.86
12	1200.00	-0.78	0.02	-0.23	-1.74	135.86
12	1500.00	-0.80	0.04	0.29	-1.74	135.86
12	1800.00	-0.81	0.06	0.81	-1.74	135.86
12	2100.00	-0.83	0.07	1.33	-1.74	135.86
12	2400.00	-0.84	0.08	1.86	-1.74	135.86
12	2700.00	-0.86	0.08	2.38	-1.74	135.86
12	3000.00	-0.87	0.07	2.90	-1.74	135.86
13	0.00	0.00	0.00	16.51	17.79	181.33
13	300.00	-0.01	0.00	11.18	17.79	181.33
13	600.00	-0.02	-0.01	5.84	17.79	181.33
13	900.00	-0.03	-0.02	0.50	17.79	181.33
13	1200.00	-0.03	-0.03	-4.83	17.79	181.33
13	1500.00	-0.04	-0.03	-10.17	17.79	181.33
13	1800.00	-0.05	-0.04	-15.50	17.79	181.33
13	2100.00	-0.06	-0.03	-20.84	17.79	181.33
13	2400.00	-0.07	-0.03	-26.17	17.79	181.33
13	2700.00	-0.08	-0.01	-31.51	17.79	181.33
13	3000.00	-0.09	0.02	-36.84	17.79	181.33
14	0.00	-0.09	0.02	11.48	9.59	119.16
14	300.00	-0.10	0.03	8.60	9.59	119.16
14	600.00	-0.11	0.01	5.72	9.59	119.16
14	900.00	-0.13	-0.04	2.84	9.59	119.16
14	1200.00	-0.14	-0.11	-0.03	9.59	119.16
14	1500.00	-0.15	-0.17	-2.91	9.59	119.16
14	1800.00	-0.17	-0.22	-5.79	9.59	119.16
14	2100.00	-0.18	-0.25	-8.67	9.59	119.16
14	2400.00	-0.19	-0.23	-11.55	9.59	119.16
14	2700.00	-0.21	-0.17	-14.42	9.59	119.16
14	3000.00	-0.22	-0.04	-17.30	9.59	119.16
15	0.00	-0.22	-0.04	28.42	21.69	58.29
15	300.00	-0.23	0.07	21.92	21.69	58.29
15	600.00	-0.23	0.08	15.41	21.69	58.29
15	900.00	-0.24	0.02	8.91	21.69	58.29
15	1200.00	-0.24	-0.08	2.40	21.69	58.29
15	1500.00	-0.25	-0.19	-4.11	21.69	58.29
15	1800.00	-0.26	-0.28	-10.61	21.69	58.29
15	2100.00	-0.26	-0.33	-17.12	21.69	58.29
15	2400.00	-0.27	-0.30	-23.62	21.69	58.29
15	2700.00	-0.28	-0.16	-30.13	21.69	58.29
15	3000.00	-0.28	0.11	-36.64	21.69	58.29
16	0.00	0.02	-0.09	48.32	62.18	8.19
16	500.00	0.02	-0.18	20.36	49.68	8.19
16	1000.00	0.02	-0.30	-1.35	37.18	8.19
16	1500.00	0.02	-0.42	-16.82	24.68	8.19
16	2000.00	0.02	-0.51	-26.03	12.18	8.19
16	2500.00	0.02	-0.57	-28.99	-0.32	8.19
16	3000.00	0.02	-0.58	-25.70	-12.82	8.19
16	3500.00	0.02	-0.55	-16.17	-25.32	8.19
16	4000.00	0.02	-0.50	-0.38	-37.82	8.19

16	4500.00	0.02	-0.45	21.66	-50.32	8.19
16	5000.00	0.01	-0.43	49.94	-62.82	8.19
17	0.00	0.01	-0.43	51.50	62.31	7.94
17	500.00	0.01	-0.70	23.47	49.81	7.94
17	1000.00	0.01	-1.27	1.69	37.31	7.94
17	1500.00	0.01	-1.86	-13.84	24.81	7.94
17	2000.00	0.01	-2.29	-23.12	12.31	7.94
17	2500.00	0.01	-2.44	-26.15	-0.19	7.94
17	3000.00	0.01	-2.28	-22.93	-12.69	7.94
17	3500.00	0.00	-1.83	-13.46	-25.19	7.94
17	4000.00	0.00	-1.23	2.25	-37.69	7.94
17	4500.00	0.00	-0.66	24.22	-50.19	7.94
17	5000.00	0.00	-0.40	52.44	-62.69	7.94
18	0.00	0.00	-0.40	52.44	62.69	7.94
18	500.00	0.00	-0.66	24.22	50.19	7.94
18	1000.00	0.00	-1.23	2.25	37.69	7.94
18	1500.00	0.00	-1.83	-13.46	25.19	7.94
18	2000.00	-0.01	-2.28	-22.93	12.69	7.94
18	2500.00	-0.01	-2.44	-26.15	0.19	7.94
18	3000.00	-0.01	-2.29	-23.12	-12.31	7.94
18	3500.00	-0.01	-1.86	-13.84	-24.81	7.94
18	4000.00	-0.01	-1.27	1.69	-37.31	7.94
18	4500.00	-0.01	-0.70	23.47	-49.81	7.94
18	5000.00	-0.01	-0.43	51.50	-62.31	7.94
19	0.00	-0.01	-0.43	49.94	62.82	8.19
19	500.00	-0.02	-0.45	21.66	50.32	8.19
19	1000.00	-0.02	-0.50	-0.38	37.82	8.19
19	1500.00	-0.02	-0.55	-16.17	25.32	8.19
19	2000.00	-0.02	-0.58	-25.70	12.82	8.19
19	2500.00	-0.02	-0.57	-28.99	0.32	8.19
19	3000.00	-0.02	-0.51	-26.03	-12.18	8.19
19	3500.00	-0.02	-0.42	-16.82	-24.68	8.19
19	4000.00	-0.02	-0.30	-1.35	-37.18	8.19
19	4500.00	-0.02	-0.18	20.36	-49.68	8.19
19	5000.00	-0.02	-0.09	48.32	-62.18	8.19
20	0.00	-0.04	-0.22	45.73	60.87	-12.09
20	500.00	-0.04	-0.72	18.42	48.37	-12.09
20	1000.00	-0.04	-1.45	-2.64	35.87	-12.09
20	1500.00	-0.03	-2.15	-17.45	23.37	-12.09
20	2000.00	-0.03	-2.65	-26.01	10.87	-12.09
20	2500.00	-0.03	-2.83	-28.32	-1.63	-12.09
20	3000.00	-0.03	-2.67	-24.38	-14.13	-12.09
20	3500.00	-0.02	-2.21	-14.19	-26.63	-12.09
20	4000.00	-0.02	-1.59	2.25	-39.13	-12.09
20	4500.00	-0.02	-1.00	24.94	-51.63	-12.09
20	5000.00	-0.02	-0.72	53.88	-64.13	-12.09
21	0.00	-0.02	-0.72	52.02	62.45	-9.86
21	500.00	-0.02	-0.98	23.92	49.95	-9.86
21	1000.00	-0.01	-1.53	2.07	37.45	-9.86
21	1500.00	-0.01	-2.12	-13.54	24.95	-9.86

21	2000.00	-0.01	-2.54	-22.89	12.45	-9.86
21	2500.00	-0.01	-2.70	-25.99	-0.05	-9.86
21	3000.00	-0.01	-2.53	-22.84	-12.55	-9.86
21	3500.00	-0.01	-2.09	-13.44	-25.05	-9.86
21	4000.00	0.00	-1.49	2.21	-37.55	-9.86
21	4500.00	0.00	-0.93	24.11	-50.05	-9.86
21	5000.00	0.00	-0.67	52.25	-62.55	-9.86
22	0.00	0.00	-0.67	52.25	62.55	-9.86
22	500.00	0.00	-0.93	24.11	50.05	-9.86
22	1000.00	0.00	-1.49	2.21	37.55	-9.86
22	1500.00	0.01	-2.09	-13.44	25.05	-9.86
22	2000.00	0.01	-2.53	-22.84	12.55	-9.86
22	2500.00	0.01	-2.70	-25.99	0.05	-9.86
22	3000.00	0.01	-2.54	-22.89	-12.45	-9.86
22	3500.00	0.01	-2.12	-13.54	-24.95	-9.86
22	4000.00	0.01	-1.53	2.07	-37.45	-9.86
22	4500.00	0.02	-0.98	23.92	-49.95	-9.86
22	5000.00	0.02	-0.72	52.02	-62.45	-9.86
23	0.00	0.02	-0.72	53.88	64.13	-12.09
23	500.00	0.02	-1.00	24.94	51.63	-12.09
23	1000.00	0.02	-1.59	2.25	39.13	-12.09
23	1500.00	0.02	-2.21	-14.19	26.63	-12.09
23	2000.00	0.03	-2.67	-24.38	14.13	-12.09
23	2500.00	0.03	-2.83	-28.32	1.63	-12.09
23	3000.00	0.03	-2.65	-26.01	-10.87	-12.09
23	3500.00	0.03	-2.15	-17.45	-23.37	-12.09
23	4000.00	0.04	-1.45	-2.64	-35.87	-12.09
23	4500.00	0.04	-0.72	18.42	-48.37	-12.09
23	5000.00	0.04	-0.22	45.73	-60.87	-12.09
24	0.00	0.11	-0.28	36.64	58.29	21.69
24	500.00	0.11	-1.03	10.62	45.79	21.69
24	1000.00	0.10	-1.92	-9.15	33.29	21.69
24	1500.00	0.10	-2.70	-22.67	20.79	21.69
24	2000.00	0.10	-3.20	-29.94	8.29	21.69
24	2500.00	0.09	-3.35	-30.96	-4.21	21.69
24	3000.00	0.09	-3.11	-25.73	-16.71	21.69
24	3500.00	0.08	-2.57	-14.25	-29.21	21.69
24	4000.00	0.08	-1.86	3.48	-41.71	21.69
24	4500.00	0.08	-1.19	27.47	-54.21	21.69
24	5000.00	0.07	-0.87	57.70	-66.71	21.69
25	0.00	-0.10	-0.87	54.79	63.90	33.12
25	509.90	-0.11	-1.13	25.46	51.15	33.12
25	1019.80	-0.11	-1.72	2.63	38.40	33.12
25	1529.71	-0.12	-2.35	-13.70	25.65	33.12
25	2039.61	-0.13	-2.81	-23.53	12.91	33.12
25	2549.51	-0.13	-2.98	-26.86	0.16	33.12
25	3059.41	-0.14	-2.81	-23.69	-12.59	33.12
25	3569.31	-0.14	-2.34	-14.02	-25.34	33.12
25	4079.22	-0.15	-1.70	2.15	-38.08	33.12
25	4589.12	-0.16	-1.10	24.81	-50.83	33.12

25	5099.02	-0.16	-0.81	53.98	-63.58	33.12
26	0.00	0.16	-0.81	53.98	63.58	33.12
26	509.90	0.16	-1.10	24.81	50.83	33.12
26	1019.80	0.15	-1.70	2.15	38.08	33.12
26	1529.71	0.14	-2.34	-14.02	25.34	33.12
26	2039.61	0.14	-2.81	-23.69	12.59	33.12
26	2549.51	0.13	-2.98	-26.86	-0.16	33.12
26	3059.41	0.13	-2.81	-23.53	-12.91	33.12
26	3569.31	0.12	-2.35	-13.70	-25.65	33.12
26	4079.22	0.11	-1.72	2.63	-38.40	33.12
26	4589.12	0.11	-1.13	25.46	-51.15	33.12
26	5099.02	0.10	-0.87	54.79	-63.90	33.12
27	0.00	-0.07	-0.87	57.70	66.71	21.69
27	500.00	-0.08	-1.19	27.47	54.21	21.69
27	1000.00	-0.08	-1.86	3.48	41.71	21.69
27	1500.00	-0.08	-2.57	-14.25	29.21	21.69
27	2000.00	-0.09	-3.11	-25.73	16.71	21.69
27	2500.00	-0.09	-3.35	-30.96	4.21	21.69
27	3000.00	-0.10	-3.20	-29.94	-8.29	21.69
27	3500.00	-0.10	-2.70	-22.67	-20.79	21.69
27	4000.00	-0.10	-1.92	-9.15	-33.29	21.69
27	4500.00	-0.11	-1.03	10.62	-45.79	21.69
27	5000.00	-0.11	-0.28	36.64	-58.29	21.69