

■ 월연교 대구방향

1) 합성면

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT

1	X= 0.000	Y=0.000	Z=0.000
2	X= 5.180	Y=0.000	Z=0.000
3	X= 10.180	Y=0.000	Z=0.000
4	X= 15.180	Y=0.000	Z=0.000
5	X= 20.180	Y=0.000	Z=0.000
6	X= 25.180	Y=0.000	Z=0.000
7	X= 30.180	Y=0.000	Z=0.000
8	X= 35.180	Y=0.000	Z=0.000
9	X= 40.180	Y=0.000	Z=0.000
10	X= 45.180	Y=0.000	Z=0.000
11	X= 49.163	Y=0.000	Z=0.000
12	X= 55.180	Y=0.000	Z=0.000
13	X= 60.180	Y=0.000	Z=0.000
14	X= 65.180	Y=0.000	Z=0.000
15	X= 70.180	Y=0.000	Z=0.000
16	X= 75.180	Y=0.000	Z=0.000
17	X= 80.180	Y=0.000	Z=0.000
18	X= 85.180	Y=0.000	Z=0.000
19	X= 90.180	Y=0.000	Z=0.000
20	X= 95.180	Y=0.000	Z=0.000
21	X= 99.163	Y=0.000	Z=0.000
22	X= 105.180	Y=0.000	Z=0.000
23	X= 110.180	Y=0.000	Z=0.000
24	X= 115.180	Y=0.000	Z=0.000
25	X= 120.180	Y=0.000	Z=0.000
26	X= 125.180	Y=0.000	Z=0.000
27	X= 130.180	Y=0.000	Z=0.000
28	X= 135.180	Y=0.000	Z=0.000
29	X= 140.180	Y=0.000	Z=0.000
30	X= 145.180	Y=0.000	Z=0.000
31	X= 149.163	Y=0.000	Z=0.000
32	X= 155.180	Y=0.000	Z=0.000
33	X= 160.180	Y=0.000	Z=0.000
34	X= 165.180	Y=0.000	Z=0.000
35	X= 170.180	Y=0.000	Z=0.000
36	X= 175.180	Y=0.000	Z=0.000
37	X= 180.180	Y=0.000	Z=0.000
38	X= 185.180	Y=0.000	Z=0.000
39	X= 190.180	Y=0.000	Z=0.000
40	X= 195.180	Y=0.000	Z=0.000
41	X= 198.325	Y=0.000	Z=0.000
42	X= 2.766	Y=-7.600	Z=-0.014
43	X= 5.546	Y=-7.600	Z=-0.014
44	X= 10.546	Y=-7.600	Z=-0.014
45	X= 15.546	Y=-7.600	Z=-0.014
46	X= 20.546	Y=-7.600	Z=-0.014
47	X= 25.546	Y=-7.600	Z=-0.014
48	X= 30.546	Y=-7.600	Z=-0.014
49	X= 35.546	Y=-7.600	Z=-0.014
50	X= 40.546	Y=-7.600	Z=-0.014
51	X= 45.546	Y=-7.600	Z=-0.014
52	X= 51.929	Y=-7.600	Z=-0.014
53	X= 55.546	Y=-7.600	Z=-0.014
54	X= 60.546	Y=-7.600	Z=-0.014
55	X= 65.546	Y=-7.600	Z=-0.014
56	X= 70.546	Y=-7.600	Z=-0.014
57	X= 75.546	Y=-7.600	Z=-0.014
58	X= 80.546	Y=-7.600	Z=-0.014
59	X= 85.546	Y=-7.600	Z=-0.014
60	X= 90.546	Y=-7.600	Z=-0.014
61	X= 95.546	Y=-7.600	Z=-0.014
62	X= 101.929	Y=-7.600	Z=-0.014
63	X= 105.546	Y=-7.600	Z=-0.014
64	X= 110.546	Y=-7.600	Z=-0.014

65	X= 115.546	Y=-7.600	Z=-0.014
66	X= 120.546	Y=-7.600	Z=-0.014
67	X= 125.546	Y=-7.600	Z=-0.014
68	X= 130.546	Y=-7.600	Z=-0.014
69	X= 135.546	Y=-7.600	Z=-0.014
70	X= 140.546	Y=-7.600	Z=-0.014
71	X= 145.546	Y=-7.600	Z=-0.014
72	X= 151.929	Y=-7.600	Z=-0.014
73	X= 155.546	Y=-7.600	Z=-0.014
74	X= 160.546	Y=-7.600	Z=-0.014
75	X= 165.546	Y=-7.600	Z=-0.014
76	X= 170.546	Y=-7.600	Z=-0.014
77	X= 175.546	Y=-7.600	Z=-0.014
78	X= 180.546	Y=-7.600	Z=-0.014
79	X= 185.546	Y=-7.600	Z=-0.014
80	X= 190.546	Y=-7.600	Z=-0.014
81	X= 195.546	Y=-7.600	Z=-0.014
82	X= 201.091	Y=-7.600	Z=-0.014
83	X= 1.383	Y=-3.800	Z=-0.007
84	X= 5.363	Y=-3.800	Z=-0.007
85	X= 10.363	Y=-3.800	Z=-0.007
86	X= 15.363	Y=-3.800	Z=-0.007
87	X= 20.363	Y=-3.800	Z=-0.007
88	X= 25.363	Y=-3.800	Z=-0.007
89	X= 30.363	Y=-3.800	Z=-0.007
90	X= 35.363	Y=-3.800	Z=-0.007
91	X= 40.363	Y=-3.800	Z=-0.007
92	X= 45.363	Y=-3.800	Z=-0.007
93	X= 50.546	Y=-3.800	Z=-0.007
94	X= 55.363	Y=-3.800	Z=-0.007
95	X= 60.363	Y=-3.800	Z=-0.007
96	X= 65.363	Y=-3.800	Z=-0.007
97	X= 70.363	Y=-3.800	Z=-0.007
98	X= 75.363	Y=-3.800	Z=-0.007
99	X= 80.363	Y=-3.800	Z=-0.007
100	X= 85.363	Y=-3.800	Z=-0.007
101	X= 90.363	Y=-3.800	Z=-0.007
102	X= 95.363	Y=-3.800	Z=-0.007
103	X= 100.546	Y=-3.800	Z=-0.007
104	X= 105.363	Y=-3.800	Z=-0.007
105	X= 110.363	Y=-3.800	Z=-0.007
106	X= 115.363	Y=-3.800	Z=-0.007
107	X= 120.363	Y=-3.800	Z=-0.007
108	X= 125.363	Y=-3.800	Z=-0.007
109	X= 130.363	Y=-3.800	Z=-0.007
110	X= 135.363	Y=-3.800	Z=-0.007
111	X= 140.363	Y=-3.800	Z=-0.007
112	X= 145.363	Y=-3.800	Z=-0.007
113	X= 150.546	Y=-3.800	Z=-0.007
114	X= 155.363	Y=-3.800	Z=-0.007
115	X= 160.363	Y=-3.800	Z=-0.007
116	X= 165.363	Y=-3.800	Z=-0.007
117	X= 170.363	Y=-3.800	Z=-0.007
118	X= 175.363	Y=-3.800	Z=-0.007
119	X= 180.363	Y=-3.800	Z=-0.007
120	X= 185.363	Y=-3.800	Z=-0.007
121	X= 190.363	Y=-3.800	Z=-0.007
122	X= 195.363	Y=-3.800	Z=-0.007
123	X= 199.708	Y=-3.800	Z=-0.007
124	X= 0.000	Y=0.000	Z=-1.100
125	X= -0.291	Y=0.800	Z=-1.100
126	X= 0.291	Y=-0.800	Z=-1.100
127	X= 49.163	Y=0.000	Z=-1.200
128	X= 48.872	Y=0.800	Z=-1.200
129	X= 49.454	Y=-0.800	Z=-1.200
130	X= 99.163	Y=0.000	Z=-1.200
131	X= 98.872	Y=0.800	Z=-1.200
132	X= 99.454	Y=-0.800	Z=-1.200
133	X= 149.163	Y=0.000	Z=-1.200
134	X= 148.872	Y=0.800	Z=-1.200
135	X= 149.454	Y=-0.800	Z=-1.200
136	X= 198.325	Y=0.000	Z=-1.100
137	X= 198.034	Y=0.800	Z=-1.100

- 1 -

- 2 -

138	X= 198.616	Y=-0.800	Z=-1.100
139	X= 2.766	Y=-7.600	Z=-1.114
140	X= 2.475	Y=-6.800	Z=-1.114
141	X= 3.057	Y=-8.400	Z=-1.114
142	X= 51.929	Y=-7.600	Z=-1.214
143	X= 51.638	Y=-6.800	Z=-1.214
144	X= 52.220	Y=-8.400	Z=-1.214
145	X= 101.929	Y=-7.600	Z=-1.214
146	X= 101.638	Y=-6.800	Z=-1.214
147	X= 102.220	Y=-8.400	Z=-1.214
148	X= 151.929	Y=-7.600	Z=-1.214
149	X= 151.638	Y=-6.800	Z=-1.214
150	X= 152.220	Y=-8.400	Z=-1.214
151	X= 201.091	Y=-7.600	Z=-1.114
152	X= 200.800	Y=-6.800	Z=-1.114
153	X= 201.382	Y=-8.400	Z=-1.114

LOCAL

ADD= 125 ANG=0.000
ADD= 126 ANG=0.000
ADD= 128 ANG=0.000
ADD= 129 ANG=0.000
ADD= 131 ANG=0.000
ADD= 132 ANG=0.000
ADD= 134 ANG=0.000
ADD= 135 ANG=0.000
ADD= 137 ANG=0.000
ADD= 138 ANG=0.000
ADD= 140 ANG=0.000
ADD= 141 ANG=0.000
ADD= 143 ANG=0.000
ADD= 144 ANG=0.000
ADD= 146 ANG=0.000
ADD= 147 ANG=0.000
ADD= 149 ANG=0.000
ADD= 150 ANG=0.000
ADD= 152 ANG=0.000
ADD= 153 ANG=0.000

RESTRAINT

ADD= 125 DOF= U3,
ADD= 126 DOF= U3,
ADD= 128 DOF= U3,
ADD= 129 DOF= U3,
ADD= 131 DOF= U3,
ADD= 132 DOF= U3,
ADD= 134 DOF= U1, U3,
ADD= 135 DOF= U1, U3,
ADD= 137 DOF= U3,
ADD= 138 DOF= U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U2, U3,
ADD= 143 DOF= U2, U3,
ADD= 144 DOF= U2, U3,
ADD= 146 DOF= U2, U3,
ADD= 147 DOF= U2, U3,
ADD= 149 DOF= U1, U2, U3,
ADD= 150 DOF= U1, U2, U3,
ADD= 152 DOF= U2, U3,
ADD= 153 DOF= U2, U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6

E=2.05e+008

Name=7

E=2.05e+008

Name=8

E=2.05e+008

Name=9

E=2.05e+008

Name=10

E=2.05e+008

Name=11

E=2.05e+008

Name=12

E=2.05e+008

Name=13

E=2.05e+008

Name=14

E=2.05e+008

Name=15

E=2.05e+008

Name=16

E=2.05e+008

Name=17

E=2.05e+008

Name=18

E=2.05e+008

Name=19

E=2.05e+008

Name=20

E=2.05e+008

FRAME SECTION

Name= 1	Mat= 1	A=0.12990	I=0.11292075, 0.11597909	J=0.14557724	: GIRDER
Name= 2	Mat= 2	A=0.13470	I=0.13683703, 0.12296044	J=0.16601711	: GIRDER
Name= 3	Mat= 3	A=0.16590	I=0.18293379, 0.14053644	J=0.20176314	: GIRDER
Name= 4	Mat= 4	A=0.15550	I=0.16751936, 0.13467778	J=0.19159819	: GIRDER
Name= 5	Mat= 5	A=0.18260	I=0.20567911, 0.14906321	J=0.21064996	: GIRDER
Name= 6	Mat= 6	A=0.19190	I=0.22069037, 0.15518311	J=0.22252279	: GIRDER
Name= 7	Mat= 7	A=0.21270	I=0.25241367, 0.16690044	J=0.23415392	: GIRDER
Name= 8	Mat= 8	A=0.23350	I=0.28368372, 0.17861778	J=0.24516971	: GIRDER
Name= 9	Mat= 9	A=0.19820	I=0.22961385, 0.15787121	J=0.22252279	: GIRDER
Name= 10	Mat= 10	A=0.19190	I=0.22182990, 0.15518311	J=0.22252279	: GIRDER
Name= 11	Mat= 11	A=0.15030	I=0.16001246, 0.13174844	J=0.18706394	: GIRDER
Name= 12	Mat= 12	A=0.15660	I=0.16774677, 0.13443655	J=0.18706394	: GIRDER
Name= 13	Mat= 13	A=0.15030	I=0.15882076, 0.13174844	J=0.18706394	: GIRDER
Name= 14	Mat= 14	A=0.18150	I=0.20530775, 0.14932444	J=0.21522640	: GIRDER
Name= 15	Mat= 15	A=0.16180	I=0.17471488, 0.13736598	J=0.19159819	: GIRDER
Name= 16	Mat= 16	A=0.13920	I=0.14488458, 0.12589078	J=0.17473267	: GIRDER
Name= 17	Mat= 17	A=0.13510	I=0.11953670, 0.11890843	J=0.15356910	: GIRDER
Name= 18	Mat= 18	A=0.02280	I=0.00529551, 0.00005419	J=0.00000109	: CROSSBEAM
Name= 19	Mat= 19	A=0.01920	I=0.00284355, 0.00005414	J=0.00000092	: STRINGER
Name= 20	Mat= 20	A=10.00000	I=10.00000000, 10.00000000	J=10.00000000	: SHOE
Name= 21	Type=Nonpr	Sec= 1, 2	Evar=2.1		
Name= 22	Type=Nonpr	Sec= 2, 3			
Name= 23	Type=Nonpr	Sec= 3, 4			
Name= 24	Type=Nonpr	Sec= 3, 12			
Name= 25	Type=Nonpr	Sec= 3, 16			
Name= 26	Type=Nonpr	Sec= 4, 5			
Name= 27	Type=Nonpr	Sec= 4, 5			
Name= 28	Type=Nonpr	Sec= 4, 8			
Name= 29	Type=Nonpr	Sec= 4, 9			
Name= 30	Type=Nonpr	Sec= 4, 10			
Name= 31	Type=Nonpr	Sec= 4, 15			
Name= 32	Type=Nonpr	Sec= 5, 6			
Name= 33	Type=Nonpr	Sec= 5, 7			
Name= 34	Type=Nonpr	Sec= 5, 8			
Name= 35	Type=Nonpr	Sec= 6, 4			
Name= 36	Type=Nonpr	Sec= 6, 5			
Name= 37	Type=Nonpr	Sec= 6, 7			
Name= 38	Type=Nonpr	Sec= 6, 8			
Name= 39	Type=Nonpr	Sec= 6, 9			
Name= 40	Type=Nonpr	Sec= 6, 15			
Name= 41	Type=Nonpr				

Name= 43 Type=Nonpr Sec= 7, 8
Name= 44 Type=Nonpr Sec= 8, 4
Name= 45 Type=Nonpr Sec= 8, 5
Name= 46 Type=Nonpr Sec= 8, 6
Name= 47 Type=Nonpr Sec= 8, 9
Name= 48 Type=Nonpr Sec= 9, 4
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Name= 50 Type=Nonpr Sec= 9, 8
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Name= 56 Type=Nonpr Sec= 11, 12
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Name= 59 Type=Nonpr Sec= 12, 13
Name= 60 Type=Nonpr Sec= 13, 12
Name= 61 Type=Nonpr Sec= 13, 14
Name= 62 Type=Nonpr Sec= 14, 13
Name= 63 Type=Nonpr Sec= 15, 4
Name= 64 Type=Nonpr Sec= 15, 6
Name= 65 Type=Nonpr Sec= 16, 17

FRAME

1 J= 1, 2 Sec=21 Local=12 Pdir=+Z,+X NSEG=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=22
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=23
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=27
8 J= 8, 9 Sec=32
9 J= 9, 10 Sec=37
10 J= 10, 11 Sec=43
11 J= 11, 12 Sec=46
12 J= 12, 13 Sec=39
13 J= 13, 14 Sec=51
14 J= 14, 15 Sec=54
15 J= 15, 16 Sec=11
16 J= 16, 17 Sec=11
17 J= 17, 18 Sec=56
18 J= 18, 19 Sec=59
19 J= 19, 20 Sec=61
20 J= 20, 21 Sec=14
21 J= 21, 22 Sec=62
22 J= 22, 23 Sec=13
23 J= 23, 24 Sec=60
24 J= 24, 25 Sec=58
25 J= 25, 26 Sec=11
26 J= 26, 27 Sec=11
27 J= 27, 28 Sec=55
28 J= 28, 29 Sec=53
29 J= 29, 30 Sec=50
30 J= 30, 31 Sec= 8
31 J= 31, 32 Sec=46
32 J= 32, 33 Sec= 9
33 J= 33, 34 Sec=40
34 J= 34, 35 Sec=63
35 J= 35, 36 Sec=26
36 J= 36, 37 Sec= 3
37 J= 37, 38 Sec= 3
38 J= 38, 39 Sec=25
39 J= 39, 40 Sec=16
40 J= 40, 41 Sec=65
41 J= 42, 43 Sec=21
42 J= 43, 44 Sec= 2
43 J= 44, 45 Sec=22
44 J= 45, 46 Sec= 3
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46 J= 47, 48 Sec=23
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48 J= 49, 50 Sec=64

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65 J= 66, 67 Sec=11
66 J= 67, 68 Sec=11
67 J= 68, 69 Sec=55
68 J= 69, 70 Sec=10
69 J= 70, 71 Sec=52
70 J= 71, 72 Sec=38
71 J= 72, 73 Sec= 8
72 J= 73, 74 Sec=46
73 J= 74, 75 Sec= 6
74 J= 75, 76 Sec=35
75 J= 76, 77 Sec= 4
76 J= 77, 78 Sec=26
77 J= 78, 79 Sec= 3
78 J= 79, 80 Sec= 3
79 J= 80, 81 Sec=25
80 J= 81, 82 Sec=65
81 J= 1, 83 Sec=18 IOFF=1.277 JOFF=0.000 RIGID=1.0
82 J= 83, 42 Sec=18 IOFF=0.000 JOFF=1.277 RIGID=1.0
83 J= 2, 84 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
84 J= 84, 43 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
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93 J= 7, 89 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
94 J= 89, 48 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
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96 J= 90, 49 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
97 J= 9, 91 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
98 J= 91, 50 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
99 J= 10, 92 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
100 J= 92, 51 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
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102 J= 93, 52 Sec=18 IOFF=0.000 JOFF=1.277 RIGID=1.0
103 J= 12, 94 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
104 J= 94, 53 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
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115 J= 18, 100 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
116 J= 100, 59 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
117 J= 19, 101 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
118 J= 101, 60 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
119 J= 20, 102 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
120 J= 102, 61 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
121 J= 21, 103 Sec=18 IOFF=1.277 JOFF=0.000 RIGID=1.0

122 J=103, 62 Sec=18 IOFF=0.000 JOFF=1.277 RIGID=1.0
123 J= 22, 104 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
124 J= 104, 63 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
125 J= 23, 105 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
126 J= 105, 64 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
127 J= 24, 106 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
128 J= 106, 65 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
129 J= 25, 107 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
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131 J= 26, 108 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
132 J= 108, 67 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
133 J= 27, 109 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
134 J= 109, 68 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
135 J= 28, 110 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
136 J= 110, 69 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
137 J= 29, 111 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
138 J= 111, 70 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
139 J= 30, 112 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
140 J= 112, 71 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
141 J= 31, 113 Sec=18 IOFF=1.277 JOFF=0.000 RIGID=1.0
142 J= 113, 72 Sec=18 IOFF=0.000 JOFF=1.277 RIGID=1.0
143 J= 32, 114 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
144 J= 114, 73 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
145 J= 33, 115 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
146 J= 115, 74 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
147 J= 34, 116 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
148 J= 116, 75 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
149 J= 35, 117 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
150 J= 117, 76 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
151 J= 36, 118 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
152 J= 118, 77 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
153 J= 37, 119 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
154 J= 119, 78 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
155 J= 38, 120 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
156 J= 120, 79 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
157 J= 39, 121 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
158 J= 121, 80 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
159 J= 40, 122 Sec=18 IOFF=1.203 JOFF=0.000 RIGID=1.0
160 J= 122, 81 Sec=18 IOFF=0.000 JOFF=1.203 RIGID=1.0
161 J= 41, 123 Sec=18 IOFF=1.277 JOFF=0.000 RIGID=1.0
162 J= 123, 82 Sec=18 IOFF=0.000 JOFF=1.277 RIGID=1.0
163 J= 83, 84 Sec=19
164 J= 84, 85 Sec=19
165 J= 85, 86 Sec=19
166 J= 86, 87 Sec=19
167 J= 87, 88 Sec=19
168 J= 88, 89 Sec=19
169 J= 89, 90 Sec=19
170 J= 90, 91 Sec=19
171 J= 91, 92 Sec=19
172 J= 92, 93 Sec=19
173 J= 93, 94 Sec=19
174 J= 94, 95 Sec=19
175 J= 95, 96 Sec=19
176 J= 96, 97 Sec=19
177 J= 97, 98 Sec=19
178 J= 98, 99 Sec=19
179 J= 99, 100 Sec=19
180 J= 100, 101 Sec=19
181 J= 101, 102 Sec=19
182 J= 102, 103 Sec=19
183 J= 103, 104 Sec=19
184 J= 104, 105 Sec=19
185 J= 105, 106 Sec=19
186 J= 106, 107 Sec=19
187 J= 107, 108 Sec=19
188 J= 108, 109 Sec=19
189 J= 109, 110 Sec=19
190 J= 110, 111 Sec=19
191 J= 111, 112 Sec=19
192 J= 112, 113 Sec=19
193 J= 113, 114 Sec=19
194 J= 114, 115 Sec=19

195 J=115, 116 Sec=19
196 J= 116, 117 Sec=19
197 J= 117, 118 Sec=19
198 J= 118, 119 Sec=19
199 J= 119, 120 Sec=19
200 J= 120, 121 Sec=19
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203 J= 1, 124 Sec=20
204 J= 125, 124 Sec=20
205 J= 126, 124 Sec=20
206 J= 11, 127 Sec=20
207 J= 128, 127 Sec=20
208 J= 129, 127 Sec=20
209 J= 21, 130 Sec=20
210 J= 131, 130 Sec=20
211 J= 132, 130 Sec=20
212 J= 31, 133 Sec=20
213 J= 134, 133 Sec=20
214 J= 135, 133 Sec=20
215 J= 41, 136 Sec=20
216 J= 137, 136 Sec=20
217 J= 138, 136 Sec=20
218 J= 42, 139 Sec=20
219 J= 140, 139 Sec=20
220 J= 141, 139 Sec=20
221 J= 52, 142 Sec=20
222 J= 143, 142 Sec=20
223 J= 144, 142 Sec=20
224 J= 62, 145 Sec=20
225 J= 146, 145 Sec=20
226 J= 147, 145 Sec=20
227 J= 72, 148 Sec=20
228 J= 149, 148 Sec=20
229 J= 150, 148 Sec=20
230 J= 82, 151 Sec=20
231 J= 152, 151 Sec=20
232 J= 153, 151 Sec=20

LOAD

Name=STEEL : STEEL SELF-WEIGHT LOAD

Type=Distributed Span
Add= 1 RD=0.000, 1.000 Uzp=-14.504, -15.062
Add= 2 RD=0.000, 1.000 Uzp=-15.062, -15.062
Add= 3 RD=0.000, 1.000 Uzp=-15.062, -16.876
Add= 4 RD=0.000, 1.000 Uzp=-16.876, -16.876
Add= 5 RD=0.000, 1.000 Uzp=-16.876, -16.271
Add= 6 RD=0.000, 1.000 Uzp=-16.271, -16.271
Add= 7 RD=0.000, 1.000 Uzp=-16.271, -16.271
Add= 8 RD=0.000, 1.000 Uzp=-16.271, -18.691
Add= 9 RD=0.000, 1.000 Uzp=-18.691, -21.110
Add= 10 RD=0.000, 1.000 Uzp=-21.110, -21.110
Add= 11 RD=0.000, 1.000 Uzp=-21.110, -18.691
Add= 12 RD=0.000, 1.000 Uzp=-18.691, -18.691
Add= 13 RD=0.000, 1.000 Uzp=-18.691, -16.271
Add= 14 RD=0.000, 1.000 Uzp=-16.271, -18.086
Add= 15 RD=0.000, 1.000 Uzp=-18.086, -18.086
Add= 16 RD=0.000, 1.000 Uzp=-18.086, -18.086
Add= 17 RD=0.000, 1.000 Uzp=-18.086, -17.004
Add= 18 RD=0.000, 1.000 Uzp=-17.004, -18.691
Add= 19 RD=0.000, 1.000 Uzp=-18.691, -21.110
Add= 20 RD=0.000, 1.000 Uzp=-21.110, -21.110
Add= 21 RD=0.000, 1.000 Uzp=-21.110, -18.691
Add= 22 RD=0.000, 1.000 Uzp=-18.691, -18.691
Add= 23 RD=0.000, 1.000 Uzp=-18.691, -16.271
Add= 24 RD=0.000, 1.000 Uzp=-16.271, -16.876
Add= 25 RD=0.000, 1.000 Uzp=-16.876, -16.876
Add= 26 RD=0.000, 1.000 Uzp=-16.876, -16.876
Add= 27 RD=0.000, 1.000 Uzp=-16.876, -15.667
Add= 28 RD=0.000, 1.000 Uzp=-15.667, -16.399
Add= 29 RD=0.000, 1.000 Uzp=-16.399, -15.667
Add= 30 RD=0.000, 1.000 Uzp=-15.667, -15.667
Add= 31 RD=0.000, 1.000 Uzp=-15.667, -15.667

Add=05	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=06	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=07	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=08	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=09	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=10	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=11	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=12	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=13	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=14	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=15	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=16	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=17	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=18	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=19	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=20	RD=0.000, 1.000	Uzo=-2.791, -2.791
Add=21	RD=0.000, 1.000	Uzo=-2.652, -2.652

Type=Distributed Span

Add-51	RD=0.000, 1.000	Uzp=+44.996, -44.996	R1=-17.155, -17.155
Add-52	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-53	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-54	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-55	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-56	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-57	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-58	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-59	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-60	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-61	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-62	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-63	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-64	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-65	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-66	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-67	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-68	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-69	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-70	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-71	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-72	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-73	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-74	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-75	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-76	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-77	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-78	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-79	RD=0.000, 1.000	Uzp=-44.996, -44.996	R1=-17.155, -17.155
Add-80	RD=0.372, 1.000	Uzp=-81.902, -81.902	R1=-41.945, -41.945

```
Name=CONC  Type=ADD  ;
LOAD=CONC  sf=1.000
LOAD=CR-HUNCH  sf=1.000
```

Name=CR-HUNCH : CROSSBEAM HUNCH SELF-WEIGHT LOAD
Type=Distributed Span

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2) 형상 부

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM

LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 5.180 Y=0.000 Z=0.000
3 X= 10.180 Y=0.000 Z=0.000
4 X= 15.180 Y=0.000 Z=0.000
5 X= 20.180 Y=0.000 Z=0.000
6 X= 25.180 Y=0.000 Z=0.000
7 X= 30.180 Y=0.000 Z=0.000
8 X= 35.180 Y=0.000 Z=0.000
9 X= 40.180 Y=0.000 Z=0.000
10 X= 45.180 Y=0.000 Z=0.000
11 X= 49.163 Y=0.000 Z=0.000
12 X= 55.180 Y=0.000 Z=0.000
13 X= 60.180 Y=0.000 Z=0.000
14 X= 65.180 Y=0.000 Z=0.000
15 X= 70.180 Y=0.000 Z=0.000
16 X= 75.180 Y=0.000 Z=0.000
17 X= 80.180 Y=0.000 Z=0.000
18 X= 85.180 Y=0.000 Z=0.000
19 X= 90.180 Y=0.000 Z=0.000
20 X= 95.180 Y=0.000 Z=0.000
21 X= 99.163 Y=0.000 Z=0.000
22 X= 105.180 Y=0.000 Z=0.000
23 X= 110.180 Y=0.000 Z=0.000
24 X= 115.180 Y=0.000 Z=0.000
25 X= 120.180 Y=0.000 Z=0.000
26 X= 125.180 Y=0.000 Z=0.000
27 X= 130.180 Y=0.000 Z=0.000
28 X= 135.180 Y=0.000 Z=0.000
29 X= 140.180 Y=0.000 Z=0.000
30 X= 145.180 Y=0.000 Z=0.000
31 X= 149.163 Y=0.000 Z=0.000
32 X= 155.180 Y=0.000 Z=0.000
33 X= 160.180 Y=0.000 Z=0.000
34 X= 165.180 Y=0.000 Z=0.000
35 X= 170.180 Y=0.000 Z=0.000
36 X= 175.180 Y=0.000 Z=0.000
37 X= 180.180 Y=0.000 Z=0.000
38 X= 185.180 Y=0.000 Z=0.000
39 X= 190.180 Y=0.000 Z=0.000
40 X= 195.180 Y=0.000 Z=0.000
41 X= 198.325 Y=0.000 Z=0.000
42 X= 2.766 Y=-7.600 Z=-0.014
43 X= 5.548 Y=-7.600 Z=-0.014
44 X= 10.546 Y=-7.600 Z=-0.014
45 X= 15.546 Y=-7.600 Z=-0.014
46 X= 20.546 Y=-7.600 Z=-0.014
47 X= 25.546 Y=-7.600 Z=-0.014
48 X= 30.546 Y=-7.600 Z=-0.014
49 X= 35.546 Y=-7.600 Z=-0.014
50 X= 40.546 Y=-7.600 Z=-0.014
51 X= 45.546 Y=-7.600 Z=-0.014
52 X= 51.929 Y=-7.600 Z=-0.014
53 X= 55.546 Y=-7.600 Z=-0.014
54 X= 60.546 Y=-7.600 Z=-0.014
55 X= 65.546 Y=-7.600 Z=-0.014
56 X= 70.546 Y=-7.600 Z=-0.014
57 X= 75.546 Y=-7.600 Z=-0.014
58 X= 80.546 Y=-7.600 Z=-0.014
59 X= 85.546 Y=-7.600 Z=-0.014
60 X= 90.546 Y=-7.600 Z=-0.014
61 X= 95.546 Y=-7.600 Z=-0.014
62 X= 101.929 Y=-7.600 Z=-0.014
63 X= 105.546 Y=-7.600 Z=-0.014
64 X= 110.546 Y=-7.600 Z=-0.014
65 X= 115.546 Y=-7.600 Z=-0.014
66 X= 120.546 Y=-7.600 Z=-0.014

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140 X= 2.475 Y=-6.800 Z=-1.114
141 X= 3.057 Y=-6.400 Z=-1.114
142 X= 51.929 Y=-7.600 Z=-1.214
143 X= 51.638 Y=-6.800 Z=-1.214
144 X= 52.220 Y=-8.400 Z=-1.214
145 X= 101.929 Y=-7.600 Z=-1.214
146 X= 101.638 Y=-6.800 Z=-1.214
147 X= 102.220 Y=-8.400 Z=-1.214
148 X= 151.929 Y=-7.600 Z=-1.214
149 X= 151.638 Y=-6.800 Z=-1.214
150 X= 152.220 Y=-8.400 Z=-1.214
151 X= 201.091 Y=-7.600 Z=-1.114
152 X= 200.800 Y=-6.800 Z=-1.114
153 X= 201.382 Y=-8.400 Z=-1.114

LOCAL

ADD= 125 ANG=0.000
ADD= 126 ANG=0.000
ADD= 128 ANG=0.000
ADD= 129 ANG=0.000
ADD= 131 ANG=0.000
ADD= 132 ANG=0.000
ADD= 134 ANG=0.000
ADD= 135 ANG=0.000
ADD= 137 ANG=0.000
ADD= 138 ANG=0.000
ADD= 140 ANG=0.000
ADD= 141 ANG=0.000
ADD= 143 ANG=0.000
ADD= 144 ANG=0.000
ADD= 146 ANG=0.000
ADD= 147 ANG=0.000
ADD= 149 ANG=0.000
ADD= 150 ANG=0.000
ADD= 152 ANG=0.000
ADD= 153 ANG=0.000

RESTRAINT

ADD= 125 DOF= U3,
ADD= 126 DOF= U3,
ADD= 128 DOF= U3,
ADD= 129 DOF= U3,
ADD= 131 DOF= U3,
ADD= 132 DOF= U3,
ADD= 134 DOF= U1, U3,
ADD= 135 DOF= U1, U3,
ADD= 137 DOF= U3,
ADD= 138 DOF= U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U2, U3,
ADD= 143 DOF= U2, U3,
ADD= 144 DOF= U2, U3,
ADD= 146 DOF= U2, U3,
ADD= 147 DOF= U2, U3,
ADD= 149 DOF= U1, U2, U3,
ADD= 150 DOF= U1, U2, U3,
ADD= 152 DOF= U2, U3,
ADD= 153 DOF= U2, U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7

67 X= 125.546 Y=-7.600 Z=-0.014
68 X= 130.546 Y=-7.600 Z=-0.014
69 X= 135.546 Y=-7.600 Z=-0.014
70 X= 140.546 Y=-7.600 Z=-0.014
71 X= 145.546 Y=-7.600 Z=-0.014
72 X= 151.929 Y=-7.600 Z=-0.014
73 X= 155.546 Y=-7.600 Z=-0.014
74 X= 160.546 Y=-7.600 Z=-0.014
75 X= 165.546 Y=-7.600 Z=-0.014
76 X= 170.546 Y=-7.600 Z=-0.014
77 X= 175.546 Y=-7.600 Z=-0.014
78 X= 180.546 Y=-7.600 Z=-0.014
79 X= 185.546 Y=-7.600 Z=-0.014
80 X= 190.546 Y=-7.600 Z=-0.014
81 X= 195.546 Y=-7.600 Z=-0.014
82 X= 201.091 Y=-7.600 Z=-0.014
83 X= 1.383 Y=-3.800 Z=-0.007
84 X= 5.363 Y=-3.800 Z=-0.007
85 X= 10.363 Y=-3.800 Z=-0.007
86 X= 15.363 Y=-3.800 Z=-0.007
87 X= 20.363 Y=-3.800 Z=-0.007
88 X= 25.363 Y=-3.800 Z=-0.007
89 X= 30.363 Y=-3.800 Z=-0.007
90 X= 35.363 Y=-3.800 Z=-0.007
91 X= 40.363 Y=-3.800 Z=-0.007
92 X= 45.363 Y=-3.800 Z=-0.007
93 X= 50.546 Y=-3.800 Z=-0.007
94 X= 55.363 Y=-3.800 Z=-0.007
95 X= 60.363 Y=-3.800 Z=-0.007
96 X= 65.363 Y=-3.800 Z=-0.007
97 X= 70.363 Y=-3.800 Z=-0.007
98 X= 75.363 Y=-3.800 Z=-0.007
99 X= 80.363 Y=-3.800 Z=-0.007
100 X= 85.363 Y=-3.800 Z=-0.007
101 X= 90.363 Y=-3.800 Z=-0.007
102 X= 95.363 Y=-3.800 Z=-0.007
103 X= 100.546 Y=-3.800 Z=-0.007
104 X= 105.363 Y=-3.800 Z=-0.007
105 X= 110.363 Y=-3.800 Z=-0.007
106 X= 115.363 Y=-3.800 Z=-0.007
107 X= 120.363 Y=-3.800 Z=-0.007
108 X= 125.363 Y=-3.800 Z=-0.007
109 X= 130.363 Y=-3.800 Z=-0.007
110 X= 135.363 Y=-3.800 Z=-0.007
111 X= 140.363 Y=-3.800 Z=-0.007
112 X= 145.363 Y=-3.800 Z=-0.007
113 X= 150.546 Y=-3.800 Z=-0.007
114 X= 155.363 Y=-3.800 Z=-0.007
115 X= 160.363 Y=-3.800 Z=-0.007
116 X= 165.363 Y=-3.800 Z=-0.007
117 X= 170.363 Y=-3.800 Z=-0.007
118 X= 175.363 Y=-3.800 Z=-0.007
119 X= 180.363 Y=-3.800 Z=-0.007
120 X= 185.363 Y=-3.800 Z=-0.007
121 X= 190.363 Y=-3.800 Z=-0.007
122 X= 195.363 Y=-3.800 Z=-0.007
123 X= 199.708 Y=-3.800 Z=-0.007
124 X= 0.000 Y=0.000 Z=-1.100
125 X= -0.291 Y=0.800 Z=-1.100
126 X= 0.291 Y=-0.800 Z=-1.100
127 X= 49.163 Y=0.000 Z=-1.200
128 X= 48.872 Y=0.800 Z=-1.200
129 X= 49.454 Y=-0.800 Z=-1.200
130 X= 99.163 Y=0.000 Z=-1.200
131 X= 98.872 Y=0.800 Z=-1.200
132 X= 99.454 Y=-0.800 Z=-1.200
133 X= 149.163 Y=0.000 Z=-1.200
134 X= 148.872 Y=0.800 Z=-1.200
135 X= 149.454 Y=-0.800 Z=-1.200
136 X= 198.325 Y=0.000 Z=-1.100
137 X= 198.034 Y=0.800 Z=-1.100
138 X= 198.616 Y=-0.800 Z=-1.100
139 X= 2.766 Y=-7.600 Z=-1.114

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E=2.05e+008

Name=8

E=2.05e+008

Name=9

E=2.05e+008

Name=10

E=2.05e+008

Name=11

E=2.05e+008

Name=12

E=2.05e+008

Name=13

E=2.05e+008

Name=14

E=2.05e+008

Name=15

E=2.05e+008

Name=16

E=2.05e+008

Name=17

E=2.05e+008

Name=18

E=2.05e+008

Name=19

E=2.05e+008

Name=20

E=2.05e+008

Name=21

E=2.05e+008

Name=22

E=2.05e+008

Name=23

E=2.05e+008

Name=24

E=2.05e+008

Name=25

E=2.05e+008

Name=26

E=2.05e+008

Name=27

E=2.05e+008

Name=28

E=2.05e+008

Name=29

E=2.05e+008

Name=30

E=2.05e+008

Name=31

E=2.05e+008

Name=32

E=2.05e+008

Name=33

E=2.05e+008

Name=34

E=2.05e+008

Name=35

E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32839 I=0.24958419, 0.71220309 J=0.19369776 : GIRDER
Name= 2 Mat= 2 A=0.33319 I=0.29875470, 0.72584942 J=0.21784781 : GIRDER
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Add= 80 RD=0.000, 1.000 Uzp=-21.699, -21.699 R1=13.311, 13.311

COMBO
Name=AFTER Type=ADD ;
LOAD=AFTER sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD== COMB==
ELEM=FRAME TYPE=FORCE LOAD== COMB==

3) 활하중 재하시
< MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 5.180 Y=0.000 Z=0.000
3 X= 10.180 Y=0.000 Z=0.000
4 X= 15.180 Y=0.000 Z=0.000
5 X= 20.180 Y=0.000 Z=0.000
6 X= 25.180 Y=0.000 Z=0.000
7 X= 30.180 Y=0.000 Z=0.000
8 X= 35.180 Y=0.000 Z=0.000
9 X= 40.180 Y=0.000 Z=0.000
10 X= 45.180 Y=0.000 Z=0.000
11 X= 49.163 Y=0.000 Z=0.000
12 X= 55.180 Y=0.000 Z=0.000
13 X= 60.180 Y=0.000 Z=0.000
14 X= 65.180 Y=0.000 Z=0.000
15 X= 70.180 Y=0.000 Z=0.000
16 X= 75.180 Y=0.000 Z=0.000
17 X= 80.180 Y=0.000 Z=0.000
18 X= 85.180 Y=0.000 Z=0.000
19 X= 90.180 Y=0.000 Z=0.000
20 X= 95.180 Y=0.000 Z=0.000
21 X= 99.163 Y=0.000 Z=0.000
22 X= 105.180 Y=0.000 Z=0.000
23 X= 110.180 Y=0.000 Z=0.000
24 X= 115.180 Y=0.000 Z=0.000
25 X= 120.180 Y=0.000 Z=0.000
26 X= 125.180 Y=0.000 Z=0.000
27 X= 130.180 Y=0.000 Z=0.000
28 X= 135.180 Y=0.000 Z=0.000
29 X= 140.180 Y=0.000 Z=0.000
30 X= 145.180 Y=0.000 Z=0.000
31 X= 149.163 Y=0.000 Z=0.000
32 X= 155.180 Y=0.000 Z=0.000
33 X= 160.180 Y=0.000 Z=0.000
34 X= 165.180 Y=0.000 Z=0.000
35 X= 170.180 Y=0.000 Z=0.000
36 X= 175.180 Y=0.000 Z=0.000
37 X= 180.180 Y=0.000 Z=0.000
38 X= 185.180 Y=0.000 Z=0.000
39 X= 190.180 Y=0.000 Z=0.000
40 X= 195.180 Y=0.000 Z=0.000
41 X= 198.325 Y=0.000 Z=0.000
42 X= 2.766 Y=-7.600 Z=-0.014
43 X= 5.546 Y=-7.600 Z=-0.014
44 X= 10.546 Y=-7.600 Z=-0.014
45 X= 15.546 Y=-7.600 Z=-0.014
46 X= 20.546 Y=-7.600 Z=-0.014
47 X= 25.546 Y=-7.600 Z=-0.014
48 X= 30.546 Y=-7.600 Z=-0.014
49 X= 35.546 Y=-7.600 Z=-0.014
50 X= 40.546 Y=-7.600 Z=-0.014
51 X= 45.546 Y=-7.600 Z=-0.014
52 X= 51.929 Y=-7.600 Z=-0.014
53 X= 55.546 Y=-7.600 Z=-0.014
54 X= 60.546 Y=-7.600 Z=-0.014
55 X= 65.546 Y=-7.600 Z=-0.014
56 X= 70.546 Y=-7.600 Z=-0.014
57 X= 75.546 Y=-7.600 Z=-0.014
58 X= 80.546 Y=-7.600 Z=-0.014
59 X= 85.546 Y=-7.600 Z=-0.014
60 X= 90.546 Y=-7.600 Z=-0.014
61 X= 95.546 Y=-7.600 Z=-0.014
62 X= 101.929 Y=-7.600 Z=-0.014
63 X= 105.546 Y=-7.600 Z=-0.014
64 X= 110.546 Y=-7.600 Z=-0.014
65 X= 115.546 Y=-7.600 Z=-0.014
66 X= 120.546 Y=-7.600 Z=-0.014

67 X= 125.546 Y=-7.600 Z=-0.014
68 X= 130.546 Y=-7.600 Z=-0.014
69 X= 135.546 Y=-7.600 Z=-0.014
70 X= 140.546 Y=-7.600 Z=-0.014
71 X= 145.546 Y=-7.600 Z=-0.014
72 X= 151.929 Y=-7.600 Z=-0.014
73 X= 155.546 Y=-7.600 Z=-0.014
74 X= 160.546 Y=-7.600 Z=-0.014
75 X= 165.546 Y=-7.600 Z=-0.014
76 X= 170.546 Y=-7.600 Z=-0.014
77 X= 175.546 Y=-7.600 Z=-0.014
78 X= 180.546 Y=-7.600 Z=-0.014
79 X= 185.546 Y=-7.600 Z=-0.014
80 X= 190.546 Y=-7.600 Z=-0.014
81 X= 195.546 Y=-7.600 Z=-0.014
82 X= 201.091 Y=-7.600 Z=-0.014
83 X= 1.363 Y=-3.800 Z=-0.007
84 X= 5.363 Y=-3.800 Z=-0.007
85 X= 10.363 Y=-3.800 Z=-0.007
86 X= 15.363 Y=-3.800 Z=-0.007
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90 X= 35.363 Y=-3.800 Z=-0.007
91 X= 40.363 Y=-3.800 Z=-0.007
92 X= 45.363 Y=-3.800 Z=-0.007
93 X= 50.546 Y=-3.800 Z=-0.007
94 X= 55.363 Y=-3.800 Z=-0.007
95 X= 60.363 Y=-3.800 Z=-0.007
96 X= 65.363 Y=-3.800 Z=-0.007
97 X= 70.363 Y=-3.800 Z=-0.007
98 X= 75.363 Y=-3.800 Z=-0.007
99 X= 80.363 Y=-3.800 Z=-0.007
100 X= 85.363 Y=-3.800 Z=-0.007
101 X= 90.363 Y=-3.800 Z=-0.007
102 X= 95.363 Y=-3.800 Z=-0.007
103 X= 100.546 Y=-3.800 Z=-0.007
104 X= 105.363 Y=-3.800 Z=-0.007
105 X= 110.363 Y=-3.800 Z=-0.007
106 X= 115.363 Y=-3.800 Z=-0.007
107 X= 120.363 Y=-3.800 Z=-0.007
108 X= 125.363 Y=-3.800 Z=-0.007
109 X= 130.363 Y=-3.800 Z=-0.007
110 X= 135.363 Y=-3.800 Z=-0.007
111 X= 140.363 Y=-3.800 Z=-0.007
112 X= 145.363 Y=-3.800 Z=-0.007
113 X= 150.546 Y=-3.800 Z=-0.007
114 X= 155.363 Y=-3.800 Z=-0.007
115 X= 160.363 Y=-3.800 Z=-0.007
116 X= 165.363 Y=-3.800 Z=-0.007
117 X= 170.363 Y=-3.800 Z=-0.007
118 X= 175.363 Y=-3.800 Z=-0.007
119 X= 180.363 Y=-3.800 Z=-0.007
120 X= 185.363 Y=-3.800 Z=-0.007
121 X= 190.363 Y=-3.800 Z=-0.007
122 X= 195.363 Y=-3.800 Z=-0.007
123 X= 199.708 Y=-3.800 Z=-0.007
124 X= 0.000 Y=0.000 Z=-1.100
125 X= -0.291 Y=0.800 Z=-1.100
126 X= 0.291 Y=-0.800 Z=-1.100
127 X= 49.163 Y=0.000 Z=-1.200
128 X= 48.872 Y=0.800 Z=-1.200
129 X= 49.454 Y=-0.800 Z=-1.200
130 X= 99.163 Y=0.000 Z=-1.200
131 X= 98.872 Y=0.800 Z=-1.200
132 X= 99.454 Y=-0.800 Z=-1.200
133 X= 149.163 Y=0.000 Z=-1.200
134 X= 148.872 Y=0.800 Z=-1.200
135 X= 149.454 Y=-0.800 Z=-1.200
136 X= 198.325 Y=0.000 Z=-1.100
137 X= 198.034 Y=0.800 Z=-1.100
138 X= 198.616 Y=-0.800 Z=-1.100
139 X= 2.766 Y=-7.600 Z=-1.114

140 X= 2.475 Y=-6.800 Z=-1.114
141 X= 3.057 Y=-6.400 Z=-1.114
142 X= 51.929 Y=-7.600 Z=-1.214
143 X= 51.638 Y=-6.800 Z=-1.214
144 X= 52.220 Y=-8.400 Z=-1.214
145 X= 101.929 Y=-7.600 Z=-1.214
146 X= 101.638 Y=-6.800 Z=-1.214
147 X= 102.220 Y=-8.400 Z=-1.214
148 X= 151.929 Y=-7.600 Z=-1.214
149 X= 151.638 Y=-6.800 Z=-1.214
150 X= 152.220 Y=-8.400 Z=-1.214
151 X= 201.091 Y=-7.600 Z=-1.114
152 X= 200.800 Y=-6.800 Z=-1.114
153 X= 201.382 Y=-8.400 Z=-1.114

LOCAL

ADD= 125 ANG=0.000
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RESTRAINT

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ADD= 126 DOF= U3,
ADD= 128 DOF= U3,
ADD= 129 DOF= U3,
ADD= 131 DOF= U3,
ADD= 132 DOF= U3,
ADD= 134 DOF= U1, U3,
ADD= 135 DOF= U1, U3,
ADD= 137 DOF= U3,
ADD= 138 DOF= U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U2, U3,
ADD= 143 DOF= U2, U3,
ADD= 144 DOF= U2, U3,
ADD= 146 DOF= U2, U3,
ADD= 147 DOF= U2, U3,
ADD= 149 DOF= U1, U2, U3,
ADD= 150 DOF= U1, U2, U3,
ADD= 152 DOF= U2, U3,
ADD= 153 DOF= U2, U3,

MATERIAL

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Name=2
E=2.05e+008
Name=3
E=2.05e+008
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Name=5
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Name=6
E=2.05e+008
Name=7

E=2.05e+008

Name=8
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FRAME SECTION

Name= 1 Mat= 1 A=0.32839 I=0.24958419, 0.71720309 J=0.19369776 : GIRDER
Name= 2 Mat= 2 A=0.33319 I=0.29875470, 0.72584942 J=0.21784781 : GIRDER
Name= 3 Mat= 3 A=0.36439 I=0.36327991, 0.75317861 J=0.24086462 : GIRDER
Name= 4 Mat= 4 A=0.35399 I=0.34208265, 0.74425991 J=0.23414470 : GIRDER
Name= 5 Mat= 5 A=0.38109 I=0.36880847, 0.76628965 J=0.23741048 : GIRDER
Name= 6 Mat= 6 A=0.39039 I=0.42567076, 0.77476205 J=0.25228981 : GIRDER
Name= 7 Mat= 7 A=0.41119 I=0.43189363, 0.78159718 J=0.25521023 : GIRDER
Name= 8 Mat= 8 A=0.43189 I=0.50495862, 0.80755874 J=0.26807856 : GIRDER
Name= 9 Mat= 9 A=0.39669 I=0.42699647, 0.77899412 J=0.25228981 : GIRDER
Name= 10 Mat= 10 A=0.39039 I=0.40631316, 0.77476205 J=0.25228981 : GIRDER
Name= 11 Mat= 11 A=0.34879 I=0.32155361, 0.73973213 J=0.22754167 : GIRDER
Name= 12 Mat= 12 A=0.35509 I=0.34413326, 0.74435081 J=0.22754167 : GIRDER
Name= 13 Mat= 13 A=0.34879 I=0.34322339, 0.73973213 J=0.22754167 : GIRDER
Name= 14 Mat= 14 A=0.37999 I=0.40540631, 0.76624258 J=0.24722815 : GIRDER

Name= 15 Mat= 15 A=0.36029 I=0.36397839, 0.74882278 J=0.23414470 : GIRDER
Name= 16 Mat= 16 A=0.33839 I=0.29875470, 0.72584942 J=0.21784781 : GIRDER
Name= 17 Mat= 17 A=0.33359 I=0.25023261, 0.72193339 J=0.19455347 : GIRDER
Name= 18 Mat= 18 A=0.34884 I=0.25489623, 0.86033531 J=0.19369776 : GIRDER
Name= 19 Mat= 19 A=0.35364 I=0.30517726, 0.86820722 J=0.21784781 : GIRDER
Name= 20 Mat= 20 A=0.38484 I=0.37135356, 0.89103040 J=0.24065462 : GIRDER
Name= 21 Mat= 21 A=0.37444 I=0.34961674, 0.88351983 J=0.23414470 : GIRDER
Name= 22 Mat= 22 A=0.36074 I=0.37232940, 0.88721938 J=0.23414470 : GIRDER
Name= 23 Mat= 23 A=0.41084 I=0.43558614, 0.90944092 J=0.25228981 : GIRDER
Name= 24 Mat= 24 A=0.45244 I=0.51678035, 0.93799798 J=0.26807856 : GIRDER
Name= 25 Mat= 25 A=0.41714 I=0.43671857, 0.91297042 J=0.25228981 : GIRDER
Name= 26 Mat= 26 A=0.41084 I=0.41525139, 0.90944092 J=0.25228981 : GIRDER
Name= 27 Mat= 27 A=0.36924 I=0.32839410, 0.87972965 J=0.22754167 : GIRDER
Name= 28 Mat= 28 A=0.36924 I=0.35102301, 0.88241765 J=0.22754167 : GIRDER
Name= 29 Mat= 29 A=0.40044 I=0.41481232, 0.90213536 J=0.24722815 : GIRDER
Name= 30 Mat= 30 A=0.37554 I=0.35177637, 0.88345765 J=0.22754167 : GIRDER
Name= 31 Mat= 31 A=0.35884 I=0.30589917, 0.87207445 J=0.21875339 : GIRDER
Name= 32 Mat= 32 A=0.35404 I=0.25543880, 0.86422833 J=0.19455347 : GIRDER
Name= 33 Mat= 33 A=0.02280 I=0.00529551, 0.00005419 J=0.00000109 : CROSSBEAM
Name= 34 Mat= 34 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 35 Mat= 35 A=10.000000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 36 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 37 Type=Nonpr Sec= 2, 3
Name= 38 Type=Nonpr Sec= 3, 4
Name= 39 Type=Nonpr Sec= 3, 12
Name= 40 Type=Nonpr Sec= 3, 16
Name= 41 Type=Nonpr Sec= 4, 3
Name= 42 Type=Nonpr Sec= 4, 5
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Name= 49 Type=Nonpr Sec= 6, 7
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Name= 69 Type=Nonpr Sec= 14, 15
Name= 70 Type=Nonpr Sec= 15, 4
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Name= 87 Type=Nonpr Sec= 22, 17

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Name= 100 Type=Nonpr Sec= 28, 29
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Name= 102 Type=Nonpr Sec= 29, 28
Name= 103 Type=Nonpr Sec= 30, 27
Name= 104 Type=Nonpr Sec= 31, 32

FRAME

1 J= 1, 2 Sec=36 Local=12 Pldir=X,Z NSEQ=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=37
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=38
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=42
8 J= 8, 9 Sec=45
9 J= 9, 10 Sec=49
10 J= 10, 11 Sec=53
11 J= 11, 12 Sec=56
12 J= 12, 13 Sec=50
13 J= 13, 14 Sec=59
14 J= 14, 15 Sec=61
15 J= 15, 16 Sec=11
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41 J= 42, 43 Sec=79
42 J= 43, 44 Sec=19
43 J= 44, 45 Sec=81
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46 J= 47, 48 Sec=83
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48 J= 49, 50 Sec=89
49 J= 50, 51 Sec=23
50 J= 51, 52 Sec=92
51 J= 52, 53 Sec=24
52 J= 53, 54 Sec=94
53 J= 54, 55 Sec=95
54 J= 55, 56 Sec=97

128	J=106, 65	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
129	J=25, 107	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
130	J=107, 66	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
131	J=26, 109	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
132	J=108, 67	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
133	J=27, 109	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
134	J=109, 68	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
135	J=28, 110	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
136	J=110, 69	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
137	J=29, 111	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
138	J=111, 70	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
139	J=30, 112	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
140	J=112, 71	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
141	J=31, 113	Sec-33	IOFF=1.277	JOFF=0.000	RIGID=1
142	J=113, 72	Sec-33	IOFF=0.000	JOFF=1.277	RIGID=0
143	J=112, 73	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
144	J=114, 73	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
145	J=33, 115	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
146	J=115, 74	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
147	J=34, 116	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
148	J=116, 75	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
149	J=35, 117	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
150	J=117, 76	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
151	J=36, 118	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
152	J=118, 77	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
153	J=37, 119	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
154	J=119, 78	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
155	J=38, 120	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
156	J=120, 79	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
157	J=39, 121	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
158	J=121, 80	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
159	J=40, 122	Sec-33	IOFF=1.203	JOFF=0.000	RIGID=1
160	J=122, 81	Sec-33	IOFF=0.000	JOFF=1.203	RIGID=0
161	J=41, 123	Sec-33	IOFF=1.277	JOFF=0.000	RIGID=1
162	J=123, 82	Sec-33	IOFF=0.000	JOFF=1.277	RIGID=0
163	J=83, 84	Sec-34			
164	J=84, 85	Sec-34			
165	J=85, 86	Sec-34			
166	J=86, 87	Sec-34			
167	J=87, 88	Sec-34			
168	J=88, 89	Sec-34			
169	J=89, 90	Sec-34			
170	J=90, 91	Sec-34			
171	J=91, 92	Sec-34			
172	J=92, 93	Sec-34			
173	J=93, 94	Sec-34			
174	J=94, 95	Sec-34			
175	J=95, 96	Sec-34			
176	J=96, 97	Sec-34			
177	J=97, 98	Sec-34			
178	J=98, 99	Sec-34			
179	J=99, 100	Sec-34			
180	J=100, 101	Sec-34			
181	J=101, 102	Sec-34			
182	J=102, 103	Sec-34			
183	J=103, 104	Sec-34			
184	J=104, 105	Sec-34			
185	J=105, 106	Sec-34			
186	J=106, 107	Sec-34			
187	J=107, 108	Sec-34			
188	J=108, 109	Sec-34			
189	J=109, 110	Sec-34			
190	J=110, 111	Sec-34			
191	J=111, 112	Sec-34			
192	J=112, 113	Sec-34			
193	J=113, 114	Sec-34			
194	J=114, 115	Sec-34			
195	J=115, 116	Sec-34			
196	J=116, 117	Sec-34			
197	J=117, 118	Sec-34			
198	J=118, 119	Sec-34			
199	J=119, 12				

```

Path= 10, 20, 1, Ecc=-2.520
Path= 21, 31, 1, Ecc=-2.520
Path= 32, 40, 1, Ecc=-2.520
Name=L452
Path= 41, 49, 1, Ecc=-0.379
Path= 50, 60, 1, Ecc=-0.379
Path= 61, 71, 1, Ecc=-0.379
Path= 72, 80, 1, Ecc=-0.379

: Case = 5 ----- G2 Max DB 2선
Name=L561
Path= 1, 9, 1, Ecc=-2.190
Path= 10, 20, 1, Ecc=-2.190
Path= 21, 31, 1, Ecc=-2.190
Path= 32, 40, 1, Ecc=-2.190
Name=L562
Path= 41, 49, 1, Ecc=-0.508
Path= 50, 60, 1, Ecc=-0.508
Path= 61, 71, 1, Ecc=-0.508
Path= 72, 80, 1, Ecc=-0.508

: Case = 6 ----- G2 Max DB 3선
Name=L631
Path= 1, 9, 1, Ecc=-1.158
Path= 10, 20, 1, Ecc=-1.158
Path= 21, 31, 1, Ecc=-1.158
Path= 32, 40, 1, Ecc=-1.158
Name=L632
Path= 41, 49, 1, Ecc=-0.525
Path= 50, 60, 1, Ecc=-0.525
Path= 61, 71, 1, Ecc=-0.525
Path= 72, 80, 1, Ecc=-0.525

: Case = 7 ----- G1 Max DL 1선
Name=L761
Path= 1, 9, 1, Ecc=-0.204
Path= 10, 20, 1, Ecc=-0.204
Path= 21, 31, 1, Ecc=-0.204
Path= 32, 40, 1, Ecc=-0.204
Name=L762
Path= 41, 49, 1, Ecc=-2.520
Path= 50, 60, 1, Ecc=-2.520
Path= 61, 71, 1, Ecc=-2.520
Path= 72, 80, 1, Ecc=-2.520

: Case = 8 ----- G1 Max DL 2선
Name=L861
Path= 1, 9, 1, Ecc=-0.832
Path= 10, 20, 1, Ecc=-0.832
Path= 21, 31, 1, Ecc=-0.832
Path= 32, 40, 1, Ecc=-0.832
Name=L862
Path= 41, 49, 1, Ecc=-2.085
Path= 50, 60, 1, Ecc=-2.085
Path= 61, 71, 1, Ecc=-2.085
Path= 72, 80, 1, Ecc=-2.085

: Case = 9 ----- G1 Max DL 3선
Name=L961
Path= 1, 9, 1, Ecc=-0.815
Path= 10, 20, 1, Ecc=-0.815
Path= 21, 31, 1, Ecc=-0.815
Path= 32, 40, 1, Ecc=-0.815
Name=L962
Path= 41, 49, 1, Ecc=-0.899
Path= 50, 60, 1, Ecc=-0.899
Path= 61, 71, 1, Ecc=-0.899
Path= 72, 80, 1, Ecc=-0.899

: Case = 10 ----- G2 Max DL 1선
Name=L10G1
Path= 1, 9, 1, Ecc=-2.520
Path= 10, 20, 1, Ecc=-2.520

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Path= 21, 31, 1, Ecc=-2.520
Path= 32, 40, 1, Ecc=-2.520
Name=L10G2
Path= 41, 49, 1, Ecc=-0.374
Path= 50, 60, 1, Ecc=-0.374
Path= 61, 71, 1, Ecc=-0.374
Path= 72, 80, 1, Ecc=-0.374
: Case = 11 ----- G2 Max DL 2선
Name=L11G1
Path= 1, 9, 1, Ecc=-2.199
Path= 10, 20, 1, Ecc=-2.199
Path= 21, 31, 1, Ecc=-2.199
Path= 32, 40, 1, Ecc=-2.199
Name=L11G2
Path= 41, 49, 1, Ecc=0.515
Path= 50, 60, 1, Ecc=0.515
Path= 61, 71, 1, Ecc=0.515
Path= 72, 80, 1, Ecc=0.515
: Case = 12 ----- G2 Max DL 3선
Name=L12G1
Path= 1, 9, 1, Ecc=-1.170
Path= 10, 20, 1, Ecc=-1.170
Path= 21, 31, 1, Ecc=-1.170
Path= 32, 40, 1, Ecc=-1.170
Name=L12G2
Path= 41, 49, 1, Ecc=0.527
Path= 50, 60, 1, Ecc=0.527
Path= 61, 71, 1, Ecc=0.527
Path= 72, 80, 1, Ecc=0.527
VEHICLES
Name=1 TYPE=Gen : DB-24
P=24,000
D=4,200 P=96,000
D=4,200 9,000 P=96,000
Name=2 TYPE=Gen : DL-24
W=4,233 PM=36,000 PKM=52,000
Vehicle Class
Name=1
Vehi=1
Name=2
Vehi=2
Bridge Response
Elem=Frame
Add=+
Elem=Joint Type=DISP
Add=+
Elem=Joint Type=REAC
Add=+
MOVING LOAD
Name= 1 Rf=1,000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.034
Name= 2 Rf=1,000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.073
Lane= L2G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.927
Name= 3 Rf=0,900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=3.046
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.954
Name= 4 Rf=1,000 : G2 Max DB 1선
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.033
Name= 5 Rf=1,000 : G2 Max DB 2선
Lane= L5G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.672

Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=3.328
Name= 6 Rf=0,900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.643
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=3.357
Name= 7 Rf=1,000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.056
Name= 8 Rf=1,000 : G1 Max DL 2선
Lane= L8G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.615
Lane= L8G2 Class=2 Lmin= 1 Lmax= 1 Sf=1.385
Name= 9 Rf=0,900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.568
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.432
Name= 10 Rf=1,000 : G2 Max DL 1선
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.052
Name= 11 Rf=1,000 : G2 Max DL 2선
Lane= L11G1 Class=2 Lmin= 1 Lmax= 1 Sf=1.003
Lane= L11G2 Class=2 Lmin= 1 Lmax= 1 Sf=4.997
Name= 12 Rf=0,900 : G2 Max DL 3선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.972
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=5.028
COMBO
Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1,178
Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1,178
Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1,178
Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1,178
Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1,178
Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1,178
Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1,178
Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1,178
Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1,178
Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1,178
Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1,178
Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=12 sf=1,178
Name=DB Type=ENVE :
COMB=G1XDB1 sf=1,000
COMB=G1XDB2 sf=1,000
COMB=G1XDB3 sf=1,000
COMB=G2XDB1 sf=1,000
COMB=G2XDB2 sf=1,000
COMB=G2XDB3 sf=1,000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1,000
COMB=G1XDL2 sf=1,000
COMB=G1XDL3 sf=1,000
COMB=G2XDL1 sf=1,000
COMB=G2XDL2 sf=1,000
COMB=G2XDL3 sf=1,000
Name=CAR Type=ENVE :
COMB=DB sf=1,000
COMB=DL sf=1,000
Name=DESIGN Type=ENVE :
COMB=CAR sf=1,000
OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=+ COMB=+
ELEM=FRAME TYPE=FORCE LOAD=+ COMB=+

4) 부등침하시 < UNEQUAL SETTLEMENT >

SYSTEM
LENGTH=M FORCE=KN
JOINT
1 X= 0,000 Y=0,000 Z=0,000
2 X= 5,180 Y=0,000 Z=0,000
3 X= 10,180 Y=0,000 Z=0,000
4 X= 15,180 Y=0,000 Z=0,000
5 X= 20,180 Y=0,000 Z=0,000
6 X= 25,180 Y=0,000 Z=0,000
7 X= 30,180 Y=0,000 Z=0,000
8 X= 35,180 Y=0,000 Z=0,000
9 X= 40,180 Y=0,000 Z=0,000
10 X= 45,180 Y=0,000 Z=0,000
11 X= 49,163 Y=0,000 Z=0,000
12 X= 55,180 Y=0,000 Z=0,000
13 X= 60,180 Y=0,000 Z=0,000
14 X= 65,180 Y=0,000 Z=0,000
15 X= 70,180 Y=0,000 Z=0,000
16 X= 75,180 Y=0,000 Z=0,000
17 X= 80,180 Y=0,000 Z=0,000
18 X= 85,180 Y=0,000 Z=0,000
19 X= 90,180 Y=0,000 Z=0,000
20 X= 95,180 Y=0,000 Z=0,000
21 X= 99,163 Y=0,000 Z=0,000
22 X= 105,180 Y=0,000 Z=0,000
23 X= 110,180 Y=0,000 Z=0,000
24 X= 115,180 Y=0,000 Z=0,000
25 X= 120,180 Y=0,000 Z=0,000
26 X= 125,180 Y=0,000 Z=0,000
27 X= 130,180 Y=0,000 Z=0,000
28 X= 135,180 Y=0,000 Z=0,000
29 X= 140,180 Y=0,000 Z=0,000
30 X= 145,180 Y=0,000 Z=0,000
31 X= 149,163 Y=0,000 Z=0,000
32 X= 155,180 Y=0,000 Z=0,000
33 X= 160,180 Y=0,000 Z=0,000
34 X= 165,180 Y=0,000 Z=0,000
35 X= 170,180 Y=0,000 Z=0,000
36 X= 175,180 Y=0,000 Z=0,000
37 X= 180,180 Y=0,000 Z=0,000
38 X= 185,180 Y=0,000 Z=0,000
39 X= 190,180 Y=0,000 Z=0,000
40 X= 195,180 Y=0,000 Z=0,000
41 X= 198,325 Y=0,000 Z=0,000
42 X= 2,766 Y=-7,600 Z=-0,014
43 X= 5,546 Y=-7,600 Z=-0,014
44 X= 10,546 Y=-7,600 Z=-0,014
45 X= 15,546 Y=-7,600 Z=-0,014
46 X= 20,546 Y=-7,600 Z=-0,014
47 X= 25,546 Y=-7,600 Z=-0,014
48 X= 30,546 Y=-7,600 Z=-0,014
49 X= 35,546 Y=-7,600 Z=-0,014
50 X= 40,546 Y=-7,600 Z=-0,014
51 X= 45,546 Y=-7,600 Z=-0,014
52 X= 51,929 Y=-7,600 Z=-0,014
53 X= 55,546 Y=-7,600 Z=-0,014
54 X= 60,546 Y=-7,600 Z=-0,014
55 X= 65,546 Y=-7,600 Z=-0,014
56 X= 70,546 Y=-7,600 Z=-0,014
57 X= 75,546 Y=-7,600 Z=-0,014
58 X= 80,546 Y=-7,600 Z=-0,014
59 X= 85,546 Y=-7,600 Z=-0,014
60 X= 90,546 Y=-7,600 Z=-0,014
61 X= 95,546 Y=-7,600 Z=-0,014
62 X= 101,929 Y=-7,600 Z=-0,014
63 X= 105,546 Y=-7,600 Z=-0,014
64 X= 110,546 Y=-7,600 Z=-0,014
65 X= 115,546 Y=-7,600 Z=-0,014
66 X= 120,546 Y=-7,600 Z=-0,014

67 X= 125.546 Y=-7.600 Z=-0.014
68 X= 130.546 Y=-7.600 Z=-0.014
69 X= 135.546 Y=-7.600 Z=-0.014
70 X= 140.546 Y=-7.600 Z=-0.014
71 X= 145.546 Y=-7.600 Z=-0.014
72 X= 151.929 Y=-7.600 Z=-0.014
73 X= 155.546 Y=-7.600 Z=-0.014
74 X= 160.546 Y=-7.600 Z=-0.014
75 X= 165.546 Y=-7.600 Z=-0.014
76 X= 170.546 Y=-7.600 Z=-0.014
77 X= 175.546 Y=-7.600 Z=-0.014
78 X= 180.546 Y=-7.600 Z=-0.014
79 X= 185.546 Y=-7.600 Z=-0.014
80 X= 190.546 Y=-7.600 Z=-0.014
81 X= 195.546 Y=-7.600 Z=-0.014
82 X= 201.091 Y=-7.600 Z=-0.014
83 X= 1.383 Y=-3.800 Z=-0.007
84 X= 5.363 Y=-3.800 Z=-0.007
85 X= 10.363 Y=-3.800 Z=-0.007
86 X= 15.363 Y=-3.800 Z=-0.007
87 X= 20.363 Y=-3.800 Z=-0.007
88 X= 25.363 Y=-3.800 Z=-0.007
89 X= 30.363 Y=-3.800 Z=-0.007
90 X= 35.363 Y=-3.800 Z=-0.007
91 X= 40.363 Y=-3.800 Z=-0.007
92 X= 45.363 Y=-3.800 Z=-0.007
93 X= 50.546 Y=-3.800 Z=-0.007
94 X= 55.363 Y=-3.800 Z=-0.007
95 X= 60.363 Y=-3.800 Z=-0.007
96 X= 65.363 Y=-3.800 Z=-0.007
97 X= 70.363 Y=-3.800 Z=-0.007
98 X= 75.363 Y=-3.800 Z=-0.007
99 X= 80.363 Y=-3.800 Z=-0.007
100 X= 85.363 Y=-3.800 Z=-0.007
101 X= 90.363 Y=-3.800 Z=-0.007
102 X= 95.363 Y=-3.800 Z=-0.007
103 X= 100.546 Y=-3.800 Z=-0.007
104 X= 105.363 Y=-3.800 Z=-0.007
105 X= 110.363 Y=-3.800 Z=-0.007
106 X= 115.363 Y=-3.800 Z=-0.007
107 X= 120.363 Y=-3.800 Z=-0.007
108 X= 125.363 Y=-3.800 Z=-0.007
109 X= 130.363 Y=-3.800 Z=-0.007
110 X= 135.363 Y=-3.800 Z=-0.007
111 X= 140.363 Y=-3.800 Z=-0.007
112 X= 145.363 Y=-3.800 Z=-0.007
113 X= 150.546 Y=-3.800 Z=-0.007
114 X= 155.363 Y=-3.800 Z=-0.007
115 X= 160.363 Y=-3.800 Z=-0.007
116 X= 165.363 Y=-3.800 Z=-0.007
117 X= 170.363 Y=-3.800 Z=-0.007
118 X= 175.363 Y=-3.800 Z=-0.007
119 X= 180.363 Y=-3.800 Z=-0.007
120 X= 185.363 Y=-3.800 Z=-0.007
121 X= 190.363 Y=-3.800 Z=-0.007
122 X= 195.363 Y=-3.800 Z=-0.007
123 X= 199.708 Y=-3.800 Z=-0.007
124 X= 0.000 Y=0.000 Z=-1.100
125 X= -0.291 Y=0.800 Z=-1.100
126 X= 0.291 Y=-0.800 Z=-1.100
127 X= 49.163 Y=0.000 Z=-1.200
128 X= 48.872 Y=0.800 Z=-1.200
129 X= 49.454 Y=-0.800 Z=-1.200
130 X= 99.163 Y=0.000 Z=-1.200
131 X= 98.872 Y=0.800 Z=-1.200
132 X= 99.454 Y=-0.800 Z=-1.200
133 X= 149.163 Y=0.000 Z=-1.200
134 X= 148.872 Y=0.800 Z=-1.200
135 X= 149.454 Y=-0.800 Z=-1.200
136 X= 198.325 Y=0.000 Z=-1.100
137 X= 198.034 Y=0.800 Z=-1.100
138 X= 198.616 Y=-0.800 Z=-1.100
139 X= 2.766 Y=-7.600 Z=-1.114

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E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
Name=12
E=2.05e+008
Name=13
E=2.05e+008
Name=14
E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008
Name=17
E=2.05e+008
Name=18
E=2.05e+008
Name=19
E=2.05e+008
Name=20
E=2.05e+008
Name=21
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Name=23
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Name=24
E=2.05e+008
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Name=28
E=2.05e+008
Name=29
E=2.05e+008
Name=30
E=2.05e+008
Name=31
E=2.05e+008
Name=32
E=2.05e+008
Name=33
E=2.05e+008
Name=34
E=2.05e+008
Name=35
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.32839 I=0.24958419, 0.71720309 J=0.19369776 : GIRDER
Name= 2 Mat= 2 A=0.33319 I=0.29875470, 0.72584942 J=0.21784781 : GIRDER
Name= 3 Mat= 3 A=0.36439 I=0.36327991, 0.75317861 J=0.24065462 : GIRDER
Name= 4 Mat= 4 A=0.35399 I=0.34208265, 0.74425991 J=0.23414470 : GIRDER
Name= 5 Mat= 5 A=0.38109 I=0.36880847, 0.76628965 J=0.23741048 : GIRDER
Name= 6 Mat= 6 A=0.39039 I=0.42567076, 0.77476205 J=0.25228981 : GIRDER
Name= 7 Mat= 7 A=0.41119 I=0.43189363, 0.79159719 J=0.25521023 : GIRDER
Name= 8 Mat= 8 A=0.43189 I=0.50495862, 0.80755874 J=0.26807856 : GIRDER
Name= 9 Mat= 9 A=0.39669 I=0.42699647, 0.77899412 J=0.25228981 : GIRDER
Name= 10 Mat= 10 A=0.39039 I=0.40631316, 0.77476205 J=0.25228981 : GIRDER
Name= 11 Mat= 11 A=0.34879 I=0.32155361, 0.73973213 J=0.22754167 : GIRDER
Name= 12 Mat= 12 A=0.35509 I=0.34413326, 0.74435081 J=0.22754167 : GIRDER
Name= 13 Mat= 13 A=0.34879 I=0.34322339, 0.73973213 J=0.22754167 : GIRDER
Name= 14 Mat= 14 A=0.37999 I=0.40540631, 0.76624258 J=0.24722815 : GIRDER

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140 X= 2.475 Y=-6.800 Z=-1.114
141 X= 3.057 Y=-6.400 Z=-1.114
142 X= 51.929 Y=-7.600 Z=-1.214
143 X= 51.638 Y=-6.800 Z=-1.214
144 X= 52.220 Y=-8.400 Z=-1.214
145 X= 101.929 Y=-7.600 Z=-1.214
146 X= 101.638 Y=-6.800 Z=-1.214
147 X= 102.220 Y=-8.400 Z=-1.214
148 X= 151.929 Y=-7.600 Z=-1.214
149 X= 151.638 Y=-6.800 Z=-1.214
150 X= 152.220 Y=-8.400 Z=-1.214
151 X= 201.091 Y=-7.600 Z=-1.114
152 X= 200.800 Y=-6.800 Z=-1.114
153 X= 201.382 Y=-8.400 Z=-1.114

LOCAL

ADD= 125 ANG=0.000
ADD= 126 ANG=0.000
ADD= 128 ANG=0.000
ADD= 129 ANG=0.000
ADD= 131 ANG=0.000
ADD= 132 ANG=0.000
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ADD= 147 ANG=0.000
ADD= 149 ANG=0.000
ADD= 150 ANG=0.000
ADD= 152 ANG=0.000
ADD= 153 ANG=0.000

RESTRAINT

ADD= 125 DOF= U3,
ADD= 126 DOF= U3,
ADD= 128 DOF= U3,
ADD= 129 DOF= U3,
ADD= 131 DOF= U3,
ADD= 132 DOF= U3,
ADD= 134 DOF= U1, U3,
ADD= 135 DOF= U1, U3,
ADD= 137 DOF= U3,
ADD= 138 DOF= U3,
ADD= 140 DOF= U2, U3,
ADD= 141 DOF= U2, U3,
ADD= 143 DOF= U2, U3,
ADD= 144 DOF= U2, U3,
ADD= 146 DOF= U2, U3,
ADD= 147 DOF= U2, U3,
ADD= 149 DOF= U1, U2, U3,
ADD= 150 DOF= U1, U2, U3,
ADD= 152 DOF= U2, U3,
ADD= 153 DOF= U2, U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7

Name= 15 Mat= 15 A=0.36029 I=0.36397839, 0.74882278 J=0.23414470 : GIRDER
Name= 16 Mat= 16 A=0.33839 I=0.29890866, 0.73052919 J=0.21875339 : GIRDER
Name= 17 Mat= 17 A=0.33359 I=0.25023261, 0.72193399 J=0.19455347 : GIRDER
Name= 18 Mat= 18 A=0.34884 I=0.25489623, 0.86033531 J=0.19369776 : GIRDER
Name= 19 Mat= 19 A=0.35364 I=0.30517726, 0.86820722 J=0.21784781 : GIRDER
Name= 20 Mat= 20 A=0.38484 I=0.37135356, 0.89103040 J=0.24065462 : GIRDER
Name= 21 Mat= 21 A=0.37444 I=0.34961674, 0.88351983 J=0.23414470 : GIRDER
Name= 22 Mat= 22 A=0.36074 I=0.37232940, 0.88721938 J=0.23414470 : GIRDER
Name= 23 Mat= 23 A=0.41084 I=0.43558614, 0.90944092 J=0.25228981 : GIRDER
Name= 24 Mat= 24 A=0.45244 I=0.51678035, 0.93799798 J=0.26807856 : GIRDER
Name= 25 Mat= 25 A=0.41714 I=0.43671857, 0.91297042 J=0.25228981 : GIRDER
Name= 26 Mat= 26 A=0.41084 I=0.41525139, 0.90944092 J=0.25228981 : GIRDER
Name= 27 Mat= 27 A=0.36924 I=0.32839410, 0.87972965 J=0.22754167 : GIRDER
Name= 28 Mat= 28 A=0.36924 I=0.35102301, 0.88241765 J=0.22754167 : GIRDER
Name= 29 Mat= 29 A=0.40044 I=0.41481232, 0.90213536 J=0.24722815 : GIRDER
Name= 30 Mat= 30 A=0.37554 I=0.35177637, 0.88345765 J=0.22754167 : GIRDER
Name= 31 Mat= 31 A=0.35884 I=0.30589917, 0.87207445 J=0.21875339 : GIRDER
Name= 32 Mat= 32 A=0.35404 I=0.25543880, 0.86422833 J=0.19455347 : GIRDER
Name= 33 Mat= 33 A=0.02280 I=0.00529551, 0.00005419 J=0.00000109 : CROSSBEAM
Name= 34 Mat= 34 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 35 Mat= 35 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 36 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 37 Type=Nonpr Sec= 2, 3
Name= 38 Type=Nonpr Sec= 3, 4
Name= 39 Type=Nonpr Sec= 3, 12
Name= 40 Type=Nonpr Sec= 3, 16
Name= 41 Type=Nonpr Sec= 4, 5
Name= 42 Type=Nonpr Sec= 4, 5
Name= 43 Type=Nonpr Sec= 4, 8
Name= 44 Type=Nonpr Sec= 4, 9
Name= 45 Type=Nonpr Sec= 5, 6
Name= 46 Type=Nonpr Sec= 5, 7
Name= 47 Type=Nonpr Sec= 5, 8
Name= 48 Type=Nonpr Sec= 6, 5
Name= 49 Type=Nonpr Sec= 6, 7
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Name= 53 Type=Nonpr Sec= 7, 8
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Name= 56 Type=Nonpr Sec= 8, 17
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Name= 58 Type=Nonpr Sec= 9, 8
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Name= 60 Type=Nonpr Sec= 10, 9
Name= 61 Type=Nonpr Sec= 10, 11
Name= 62 Type=Nonpr Sec= 11, 10
Name= 63 Type=Nonpr Sec= 11, 12
Name= 64 Type=Nonpr Sec= 12, 11
Name= 65 Type=Nonpr Sec= 12, 13
Name= 66 Type=Nonpr Sec= 13, 12
Name= 67 Type=Nonpr Sec= 13, 14
Name= 68 Type=Nonpr Sec= 14, 13
Name= 69 Type=Nonpr Sec= 14, 15
Name= 70 Type=Nonpr Sec= 15, 4
Name= 71 Type=Nonpr Sec= 15, 16
Name= 72 Type=Nonpr Sec= 16, 17
Name= 73 Type=Nonpr Sec= 16, 25
Name= 74 Type=Nonpr Sec= 17, 16
Name= 75 Type=Nonpr Sec= 17, 18
Name= 76 Type=Nonpr Sec= 17, 22
Name= 77 Type=Nonpr Sec= 17, 23
Name= 78 Type=Nonpr Sec= 18, 17
Name= 79 Type=Nonpr Sec= 18, 19
Name= 80 Type=Nonpr Sec= 19, 17
Name= 81 Type=Nonpr Sec= 20, 19
Name= 82 Type=Nonpr Sec= 20, 19
Name= 83 Type=Nonpr Sec= 20, 21
Name= 84 Type=Nonpr Sec= 20, 31
Name= 85 Type=Nonpr Sec= 21, 20
Name= 86 Type=Nonpr Sec= 21, 22
Name= 87 Type=Nonpr Sec= 22, 17

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Name= 88 Type=Nonpr Sec= 22, 19
Name= 89 Type=Nonpr Sec= 22, 23
Name= 90 Type=Nonpr Sec= 23, 18
Name= 91 Type=Nonpr Sec= 23, 21
Name= 92 Type=Nonpr Sec= 23, 24
Name= 93 Type=Nonpr Sec= 24, 23
Name= 94 Type=Nonpr Sec= 24, 25
Name= 95 Type=Nonpr Sec= 25, 26
Name= 96 Type=Nonpr Sec= 26, 23
Name= 97 Type=Nonpr Sec= 26, 27
Name= 98 Type=Nonpr Sec= 27, 26
Name= 99 Type=Nonpr Sec= 27, 28
Name= 100 Type=Nonpr Sec= 28, 29
Name= 101 Type=Nonpr Sec= 28, 30
Name= 102 Type=Nonpr Sec= 29, 28
Name= 103 Type=Nonpr Sec= 30, 27
Name= 104 Type=Nonpr Sec= 31, 32

FRAME
1 J= 1, 2 Sec=36 Local=12 Pdir=+Z,+X NSEG=4
2 J= 2, 3 Sec= 2
3 J= 3, 4 Sec=37
4 J= 4, 5 Sec= 3
5 J= 5, 6 Sec=38
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec=42
8 J= 8, 9 Sec=45
9 J= 9, 10 Sec=49
10 J= 10, 11 Sec=53
11 J= 11, 12 Sec=56
12 J= 12, 13 Sec=50
13 J= 13, 14 Sec=59
14 J= 14, 15 Sec=61
15 J= 15, 16 Sec=11
16 J= 16, 17 Sec=11
17 J= 17, 18 Sec=63
18 J= 18, 19 Sec=65
19 J= 19, 20 Sec=67
20 J= 20, 21 Sec=14
21 J= 21, 22 Sec=68
22 J= 22, 23 Sec=13
23 J= 23, 24 Sec=66
24 J= 24, 25 Sec=64
25 J= 25, 26 Sec=11
26 J= 26, 27 Sec=11
27 J= 27, 28 Sec=62
28 J= 28, 29 Sec=60
29 J= 29, 30 Sec=58
30 J= 30, 31 Sec= 8
31 J= 31, 32 Sec=56
32 J= 32, 33 Sec= 6
33 J= 33, 34 Sec=51
34 J= 34, 35 Sec=70
35 J= 35, 36 Sec=41
36 J= 36, 37 Sec= 3
37 J= 37, 38 Sec= 3
38 J= 38, 39 Sec=40
39 J= 39, 40 Sec=16
40 J= 40, 41 Sec=72
41 J= 42, 43 Sec=79
42 J= 43, 44 Sec=19
43 J= 44, 45 Sec=81
44 J= 45, 46 Sec=20
45 J= 46, 47 Sec=20
46 J= 47, 48 Sec=83
47 J= 48, 49 Sec=86
48 J= 49, 50 Sec=89
49 J= 50, 51 Sec=23
50 J= 51, 52 Sec=92
51 J= 52, 53 Sec=24
52 J= 53, 54 Sec=94
53 J= 54, 55 Sec=95
54 J= 55, 56 Sec=97

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128 J=106, 65 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
129 J= 25, 107 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
130 J=107, 66 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
131 J= 26, 108 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
132 J=108, 67 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
133 J= 27, 109 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
134 J=109, 68 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
135 J= 28, 110 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
136 J=110, 69 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
137 J= 29, 111 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
138 J=111, 70 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
139 J= 30, 112 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
140 J=112, 71 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
141 J= 31, 113 Sec=33 IOFF=1.277 JOFF=0.000 RIGID=1.0
142 J=113, 72 Sec=33 IOFF=0.000 JOFF=1.277 RIGID=1.0
143 J= 32, 114 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
144 J=114, 73 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
145 J= 33, 115 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
146 J=115, 74 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
147 J= 34, 116 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
148 J=116, 75 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
149 J= 35, 117 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
150 J=117, 76 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
151 J= 36, 118 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
152 J=118, 77 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
153 J= 37, 119 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
154 J=119, 78 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
155 J= 38, 120 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
156 J=120, 79 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
157 J= 39, 121 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
158 J=121, 80 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
159 J= 40, 122 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
160 J=122, 81 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
161 J= 41, 123 Sec=33 IOFF=1.277 JOFF=0.000 RIGID=1.0
162 J=123, 82 Sec=33 IOFF=0.000 JOFF=1.277 RIGID=1.0
163 J= 83, 84 Sec=34
164 J= 84, 85 Sec=34
165 J= 85, 86 Sec=34
166 J= 86, 87 Sec=34
167 J= 87, 88 Sec=34
168 J= 88, 89 Sec=34
169 J= 89, 90 Sec=34
170 J= 90, 91 Sec=34
171 J= 91, 92 Sec=34
172 J= 92, 93 Sec=34
173 J= 93, 94 Sec=34
174 J= 94, 95 Sec=34
175 J= 95, 96 Sec=34
176 J= 96, 97 Sec=34
177 J= 97, 98 Sec=34
178 J= 98, 99 Sec=34
179 J= 99, 100 Sec=34
180 J=100, 101 Sec=34
181 J=101, 102 Sec=34
182 J=102, 103 Sec=34
183 J=103, 104 Sec=34
184 J=104, 105 Sec=34
185 J=105, 106 Sec=34
186 J=106, 107 Sec=34
187 J=107, 108 Sec=34
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189 J=109, 110 Sec=34
190 J=110, 111 Sec=34
191 J=111, 112 Sec=34
192 J=112, 113 Sec=34
193 J=113, 114 Sec=34
194 J=114, 115 Sec=34
195 J=115, 116 Sec=34
196 J=116, 117 Sec=34
197 J=117, 118 Sec=34
198 J=118, 119 Sec=34
199 J=119, 120 Sec=34
200 J=120, 121 Sec=34

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55 J= 56, 57 Sec=27
56 J= 57, 58 Sec=27
57 J= 58, 59 Sec=27
58 J= 59, 60 Sec=99
59 J= 60, 61 Sec=28
60 J= 61, 62 Sec=100
61 J= 62, 63 Sec=29
62 J= 63, 64 Sec=102
63 J= 64, 65 Sec=101
64 J= 65, 66 Sec=103
65 J= 66, 67 Sec=27
66 J= 67, 68 Sec=27
67 J= 68, 69 Sec=98
68 J= 69, 70 Sec=26
69 J= 70, 71 Sec=96
70 J= 71, 72 Sec=92
71 J= 72, 73 Sec=24
72 J= 73, 74 Sec=93
73 J= 74, 75 Sec=23
74 J= 75, 76 Sec=91
75 J= 76, 77 Sec=21
76 J= 77, 78 Sec=85
77 J= 78, 79 Sec=20
78 J= 79, 80 Sec=20
79 J= 80, 81 Sec=84
80 J= 81, 82 Sec=104
81 J= 1, 83 Sec=33 IOFF=1.277 JOFF=0.000 RIGID=1.0
82 J= 83, 42 Sec=33 IOFF=0.000 JOFF=1.277 RIGID=1.0
83 J= 2, 84 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
84 J= 84, 43 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
85 J= 3, 85 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
86 J= 85, 44 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
87 J= 4, 86 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
88 J= 86, 45 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
89 J= 5, 87 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
90 J= 87, 46 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
91 J= 6, 88 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
92 J= 88, 47 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
93 J= 7, 89 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
94 J= 89, 48 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
95 J= 8, 90 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
96 J= 90, 49 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
97 J= 9, 91 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
98 J= 91, 50 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
99 J= 10, 92 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
100 J= 92, 51 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
101 J= 11, 93 Sec=33 IOFF=1.277 JOFF=0.000 RIGID=1.0
102 J= 93, 52 Sec=33 IOFF=0.000 JOFF=1.277 RIGID=1.0
103 J= 12, 94 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
104 J= 94, 53 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
105 J= 13, 95 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
106 J= 95, 54 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
107 J= 14, 96 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
108 J= 96, 55 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
109 J= 15, 97 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
110 J= 97, 56 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
111 J= 16, 98 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
112 J= 98, 57 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
113 J= 17, 99 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
114 J= 99, 58 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
115 J= 18, 100 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
116 J=100, 59 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
117 J= 19, 101 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
118 J=101, 60 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
119 J= 20, 102 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
120 J=102, 61 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
121 J= 21, 103 Sec=33 IOFF=1.277 JOFF=0.000 RIGID=1.0
122 J=103, 62 Sec=33 IOFF=0.000 JOFF=1.277 RIGID=1.0
123 J= 22, 104 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
124 J=104, 63 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
125 J= 23, 105 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0
126 J=105, 64 Sec=33 IOFF=0.000 JOFF=1.203 RIGID=1.0
127 J= 24, 106 Sec=33 IOFF=1.203 JOFF=0.000 RIGID=1.0

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201 J=121, 122 Sec=34
202 J=122, 123 Sec=34
203 J= 1, 124 Sec=35
204 J=125, 124 Sec=35
205 J=126, 124 Sec=35
206 J= 11, 127 Sec=35
207 J=128, 127 Sec=35
208 J=129, 127 Sec=35
209 J= 21, 130 Sec=35
210 J=131, 130 Sec=35
211 J=132, 130 Sec=35
212 J= 31, 133 Sec=35
213 J=134, 133 Sec=35
214 J=135, 133 Sec=35
215 J= 41, 136 Sec=35
216 J=137, 136 Sec=35
217 J=138, 136 Sec=35
218 J= 42, 139 Sec=35
219 J=140, 139 Sec=35
220 J=141, 139 Sec=35
221 J= 52, 142 Sec=35
222 J=143, 142 Sec=35
223 J=144, 142 Sec=35
224 J= 62, 145 Sec=35
225 J=146, 145 Sec=35
226 J=147, 145 Sec=35
227 J= 72, 148 Sec=35
228 J=149, 148 Sec=35
229 J=150, 148 Sec=35
230 J= 82, 151 Sec=35
231 J=152, 151 Sec=35
232 J=153, 151 Sec=35

LOAD
Name=A1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 84 Uz=-0.010
Add= 85 Uz=-0.010
Add= 99 Uz=-0.010
Add=100 Uz=-0.010

Name=P1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 87 Uz=-0.010
Add= 88 Uz=-0.010
Add=102 Uz=-0.010
Add=103 Uz=-0.010

Name=P2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 90 Uz=-0.010
Add= 91 Uz=-0.010
Add=105 Uz=-0.010
Add=106 Uz=-0.010

Name=P3 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 93 Uz=-0.010
Add= 94 Uz=-0.010
Add=108 Uz=-0.010
Add=109 Uz=-0.010

Name=A2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add= 96 Uz=-0.010
Add= 97 Uz=-0.010
Add=111 Uz=-0.010
Add=112 Uz=-0.010

COMBO
Name=2N1 Type=ENVE ;
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000

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Name=2N2 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000

Name=2N3 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P3 sf=1.000

Name=2N4 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=A2 sf=1.000

Name=2N5 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000

Name=2N6 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P3 sf=1.000

Name=2N7 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=A2 sf=1.000

Name=2N8 Type=ENVE :
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000

Name=2N9 Type=ENVE :
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=2N10 Type=ENVE :
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=3N1 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000

Name=3N2 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P3 sf=1.000

Name=3N3 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=A2 sf=1.000

Name=3N4 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000

Name=3N5 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=3N6 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=3N7 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000

Name=3N8 Type=ENVE :

LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=3N9 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=3N10 Type=ENVE :
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=4N1 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000

Name=4N2 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=A2 sf=1.000

Name=4N3 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=4N4 Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=4N5 Type=ENVE :
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000

Name=2N Type=ENVE :
COMB=2N1 sf=1.000
COMB=2N2 sf=1.000
COMB=2N3 sf=1.000
COMB=2N4 sf=1.000
COMB=2N5 sf=1.000
COMB=2N6 sf=1.000
COMB=2N7 sf=1.000
COMB=2N8 sf=1.000
COMB=2N9 sf=1.000
COMB=2N10 sf=1.000

Name=3N Type=ENVE :
COMB=3N1 sf=1.000
COMB=3N2 sf=1.000
COMB=3N3 sf=1.000
COMB=3N4 sf=1.000
COMB=3N5 sf=1.000
COMB=3N6 sf=1.000
COMB=3N7 sf=1.000
COMB=3N8 sf=1.000
COMB=3N9 sf=1.000
COMB=3N10 sf=1.000

Name=4N Type=ENVE :
COMB=4N1 sf=1.000
COMB=4N2 sf=1.000
COMB=4N3 sf=1.000
COMB=4N4 sf=1.000

COMB=4N5 sf=1.000

Name=SETTLE Type=ENVE :
LOAD=A1 sf=1.000
LOAD=P1 sf=1.000
LOAD=P2 sf=1.000
LOAD=P3 sf=1.000
LOAD=A2 sf=1.000
COMB=2N sf=1.000
COMB=3N sf=1.000
COMB=4N sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=* COMB=*
ELEM=FRAME TYPE=FORCE LOAD=* COMB=*

■ 결과보고 부속방향
1) 결과보고
< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=MFORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 6.488 Y=0.000 Z=0.000
3 X= 11.488 Y=0.000 Z=0.000
4 X= 16.488 Y=0.000 Z=0.000
5 X= 21.488 Y=0.000 Z=0.000
6 X= 26.488 Y=0.000 Z=0.000
7 X= 31.488 Y=0.000 Z=0.000
8 X= 36.488 Y=0.000 Z=0.000
9 X= 41.488 Y=0.000 Z=0.000
10 X= 46.488 Y=0.000 Z=0.000
11 X= 49.450 Y=0.000 Z=0.000
12 X= 56.488 Y=0.000 Z=0.000
13 X= 61.488 Y=0.000 Z=0.000
14 X= 66.488 Y=0.000 Z=0.000
15 X= 71.488 Y=0.000 Z=0.000
16 X= 76.488 Y=0.000 Z=0.000
17 X= 81.488 Y=0.000 Z=0.000
18 X= 86.488 Y=0.000 Z=0.000
19 X= 91.488 Y=0.000 Z=0.000
20 X= 96.488 Y=0.000 Z=0.000
21 X= 99.450 Y=0.000 Z=0.000
22 X= 106.488 Y=0.000 Z=0.000
23 X= 111.488 Y=0.000 Z=0.000
24 X= 116.488 Y=0.000 Z=0.000
25 X= 121.488 Y=0.000 Z=0.000
26 X= 126.488 Y=0.000 Z=0.000
27 X= 131.488 Y=0.000 Z=0.000
28 X= 136.488 Y=0.000 Z=0.000
29 X= 141.488 Y=0.000 Z=0.000
30 X= 146.488 Y=0.000 Z=0.000
31 X= 149.450 Y=0.000 Z=0.000
32 X= 156.488 Y=0.000 Z=0.000
33 X= 161.488 Y=0.000 Z=0.000
34 X= 166.488 Y=0.000 Z=0.000
35 X= 171.488 Y=0.000 Z=0.000
36 X= 176.488 Y=0.000 Z=0.000
37 X= 181.488 Y=0.000 Z=0.000
38 X= 186.488 Y=0.000 Z=0.000
39 X= 191.488 Y=0.000 Z=0.000
40 X= 196.488 Y=0.000 Z=0.000
41 X= 198.900 Y=0.000 Z=0.000
42 X= 2.038 Y=-5.600 Z=-0.112
43 X= 6.488 Y=-5.600 Z=-0.112
44 X= 11.488 Y=-5.600 Z=-0.112
45 X= 16.488 Y=-5.600 Z=-0.112
46 X= 21.488 Y=-5.600 Z=-0.112
47 X= 26.488 Y=-5.600 Z=-0.112
48 X= 31.488 Y=-5.600 Z=-0.112
49 X= 36.488 Y=-5.600 Z=-0.112
50 X= 41.488 Y=-5.600 Z=-0.112
51 X= 46.488 Y=-5.600 Z=-0.112
52 X= 51.488 Y=-5.600 Z=-0.112
53 X= 56.488 Y=-5.600 Z=-0.112
54 X= 61.488 Y=-5.600 Z=-0.112
55 X= 66.488 Y=-5.600 Z=-0.112
56 X= 71.488 Y=-5.600 Z=-0.112
57 X= 76.488 Y=-5.600 Z=-0.112
58 X= 81.488 Y=-5.600 Z=-0.112
59 X= 86.488 Y=-5.600 Z=-0.112
60 X= 91.488 Y=-5.600 Z=-0.112
61 X= 96.488 Y=-5.600 Z=-0.112
62 X= 101.488 Y=-5.600 Z=-0.112
63 X= 106.488 Y=-5.600 Z=-0.112
64 X= 111.488 Y=-5.600 Z=-0.112

65 X= 116.488 Y=-5.600 Z=-0.112
66 X= 121.488 Y=-5.600 Z=-0.112
67 X= 126.488 Y=-5.600 Z=-0.112
68 X= 131.488 Y=-5.600 Z=-0.112
69 X= 136.488 Y=-5.600 Z=-0.112
70 X= 141.488 Y=-5.600 Z=-0.112
71 X= 146.488 Y=-5.600 Z=-0.112
72 X= 151.488 Y=-5.600 Z=-0.112
73 X= 156.488 Y=-5.600 Z=-0.112
74 X= 161.488 Y=-5.600 Z=-0.112
75 X= 166.488 Y=-5.600 Z=-0.112
76 X= 171.488 Y=-5.600 Z=-0.112
77 X= 176.488 Y=-5.600 Z=-0.112
78 X= 181.488 Y=-5.600 Z=-0.112
79 X= 186.488 Y=-5.600 Z=-0.112
80 X= 191.488 Y=-5.600 Z=-0.112
81 X= 196.488 Y=-5.600 Z=-0.112
82 X= 200.938 Y=-5.600 Z=-0.112
83 X= 4.076 Y=-11.200 Z=-0.224
84 X= 6.488 Y=-11.200 Z=-0.224
85 X= 11.488 Y=-11.200 Z=-0.224
86 X= 16.488 Y=-11.200 Z=-0.224
87 X= 21.488 Y=-11.200 Z=-0.224
88 X= 26.488 Y=-11.200 Z=-0.224
89 X= 31.488 Y=-11.200 Z=-0.224
90 X= 36.488 Y=-11.200 Z=-0.224
91 X= 41.488 Y=-11.200 Z=-0.224
92 X= 46.488 Y=-11.200 Z=-0.224
93 X= 53.526 Y=-11.200 Z=-0.224
94 X= 56.488 Y=-11.200 Z=-0.224
95 X= 61.488 Y=-11.200 Z=-0.224
96 X= 66.488 Y=-11.200 Z=-0.224
97 X= 71.488 Y=-11.200 Z=-0.224
98 X= 76.488 Y=-11.200 Z=-0.224
99 X= 81.488 Y=-11.200 Z=-0.224
100 X= 86.488 Y=-11.200 Z=-0.224
101 X= 91.488 Y=-11.200 Z=-0.224
102 X= 96.488 Y=-11.200 Z=-0.224
103 X= 103.526 Y=-11.200 Z=-0.224
104 X= 106.488 Y=-11.200 Z=-0.224
105 X= 111.488 Y=-11.200 Z=-0.224
106 X= 116.488 Y=-11.200 Z=-0.224
107 X= 121.488 Y=-11.200 Z=-0.224
108 X= 126.488 Y=-11.200 Z=-0.224
109 X= 131.488 Y=-11.200 Z=-0.224
110 X= 136.488 Y=-11.200 Z=-0.224
111 X= 141.488 Y=-11.200 Z=-0.224
112 X= 146.488 Y=-11.200 Z=-0.224
113 X= 153.526 Y=-11.200 Z=-0.224
114 X= 156.488 Y=-11.200 Z=-0.224
115 X= 161.488 Y=-11.200 Z=-0.224
116 X= 166.488 Y=-11.200 Z=-0.224
117 X= 171.488 Y=-11.200 Z=-0.224
118 X= 176.488 Y=-11.200 Z=-0.224
119 X= 181.488 Y=-11.200 Z=-0.224
120 X= 186.488 Y=-11.200 Z=-0.224
121 X= 191.488 Y=-11.200 Z=-0.224
122 X= 196.488 Y=-11.200 Z=-0.224
123 X= 202.976 Y=-11.200 Z=-0.224
124 X= 1.019 Y=-2.800 Z=-0.056
125 X= 6.488 Y=-2.800 Z=-0.056
126 X= 11.488 Y=-2.800 Z=-0.056
127 X= 16.488 Y=-2.800 Z=-0.056
128 X= 21.488 Y=-2.800 Z=-0.056
129 X= 26.488 Y=-2.800 Z=-0.056
130 X= 31.488 Y=-2.800 Z=-0.056
131 X= 36.488 Y=-2.800 Z=-0.056
132 X= 41.488 Y=-2.800 Z=-0.056
133 X= 46.488 Y=-2.800 Z=-0.056
134 X= 50.469 Y=-2.800 Z=-0.056
135 X= 56.488 Y=-2.800 Z=-0.056
136 X= 61.488 Y=-2.800 Z=-0.056
137 X= 66.488 Y=-2.800 Z=-0.056

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138 X= 71.488 Y=-2.800 Z=-0.056
139 X= 76.488 Y=-2.800 Z=-0.056
140 X= 81.488 Y=-2.800 Z=-0.056
141 X= 86.488 Y=-2.800 Z=-0.056
142 X= 91.488 Y=-2.800 Z=-0.056
143 X= 96.488 Y=-2.800 Z=-0.056
144 X= 100.469 Y=-2.800 Z=-0.056
145 X= 106.488 Y=-2.800 Z=-0.056
146 X= 111.488 Y=-2.800 Z=-0.056
147 X= 116.488 Y=-2.800 Z=-0.056
148 X= 121.488 Y=-2.800 Z=-0.056
149 X= 126.488 Y=-2.800 Z=-0.056
150 X= 131.488 Y=-2.800 Z=-0.056
151 X= 136.488 Y=-2.800 Z=-0.056
152 X= 141.488 Y=-2.800 Z=-0.056
153 X= 146.488 Y=-2.800 Z=-0.056
154 X= 150.469 Y=-2.800 Z=-0.056
155 X= 156.488 Y=-2.800 Z=-0.056
156 X= 161.488 Y=-2.800 Z=-0.056
157 X= 166.488 Y=-2.800 Z=-0.056
158 X= 171.488 Y=-2.800 Z=-0.056
159 X= 176.488 Y=-2.800 Z=-0.056
160 X= 181.488 Y=-2.800 Z=-0.056
161 X= 186.488 Y=-2.800 Z=-0.056
162 X= 191.488 Y=-2.800 Z=-0.056
163 X= 196.488 Y=-2.800 Z=-0.056
164 X= 199.919 Y=-2.800 Z=-0.056
165 X= 3.057 Y=-8.400 Z=-0.168
166 X= 6.488 Y=-8.400 Z=-0.168
167 X= 11.488 Y=-8.400 Z=-0.168
168 X= 16.488 Y=-8.400 Z=-0.168
169 X= 21.488 Y=-8.400 Z=-0.168
170 X= 26.488 Y=-8.400 Z=-0.168
171 X= 31.488 Y=-8.400 Z=-0.168
172 X= 36.488 Y=-8.400 Z=-0.168
173 X= 41.488 Y=-8.400 Z=-0.168
174 X= 46.488 Y=-8.400 Z=-0.168
175 X= 52.507 Y=-8.400 Z=-0.168
176 X= 56.488 Y=-8.400 Z=-0.168
177 X= 61.488 Y=-8.400 Z=-0.168
178 X= 66.488 Y=-8.400 Z=-0.168
179 X= 71.488 Y=-8.400 Z=-0.168
180 X= 76.488 Y=-8.400 Z=-0.168
181 X= 81.488 Y=-8.400 Z=-0.168
182 X= 86.488 Y=-8.400 Z=-0.168
183 X= 91.488 Y=-8.400 Z=-0.168
184 X= 96.488 Y=-8.400 Z=-0.168
185 X= 102.507 Y=-8.400 Z=-0.168
186 X= 106.488 Y=-8.400 Z=-0.168
187 X= 111.488 Y=-8.400 Z=-0.168
188 X= 116.488 Y=-8.400 Z=-0.168
189 X= 121.488 Y=-8.400 Z=-0.168
190 X= 126.488 Y=-8.400 Z=-0.168
191 X= 131.488 Y=-8.400 Z=-0.168
192 X= 136.488 Y=-8.400 Z=-0.168
193 X= 141.488 Y=-8.400 Z=-0.168
194 X= 146.488 Y=-8.400 Z=-0.168
195 X= 152.507 Y=-8.400 Z=-0.168
196 X= 156.488 Y=-8.400 Z=-0.168
197 X= 161.488 Y=-8.400 Z=-0.168
198 X= 166.488 Y=-8.400 Z=-0.168
199 X= 171.488 Y=-8.400 Z=-0.168
200 X= 176.488 Y=-8.400 Z=-0.168
201 X= 181.488 Y=-8.400 Z=-0.168
202 X= 186.488 Y=-8.400 Z=-0.168
203 X= 191.488 Y=-8.400 Z=-0.168
204 X= 196.488 Y=-8.400 Z=-0.168
205 X= 201.957 Y=-8.400 Z=-0.168
206 X= 0.000 Y=0.000 Z=-1.100
207 X= -0.328 Y=0.900 Z=-1.100
208 X= 0.328 Y=-0.900 Z=-1.100
209 X= 49.450 Y=0.000 Z=-1.200
210 X= 49.122 Y=0.900 Z=-1.200

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211 X= 49.778 Y=-0.900 Z=-1.200
212 X= 99.450 Y=0.000 Z=-1.200
213 X= 99.122 Y=0.900 Z=-1.200
214 X= 99.778 Y=-0.900 Z=-1.200
215 X= 149.450 Y=0.000 Z=-1.200
216 X= 149.122 Y=0.900 Z=-1.200
217 X= 149.778 Y=-0.900 Z=-1.200
218 X= 199.000 Y=0.000 Z=-1.100
219 X= 198.572 Y=0.900 Z=-1.100
220 X= 199.228 Y=-0.900 Z=-1.100
221 X= 2.038 Y=-5.600 Z=-1.212
222 X= 1.711 Y=-4.700 Z=-1.212
223 X= 2.366 Y=-6.500 Z=-1.212
224 X= 51.488 Y=-5.600 Z=-1.312
225 X= 51.161 Y=-4.700 Z=-1.312
226 X= 51.816 Y=-6.500 Z=-1.312
227 X= 101.488 Y=-5.600 Z=-1.312
228 X= 101.161 Y=-4.700 Z=-1.312
229 X= 101.816 Y=-6.500 Z=-1.312
230 X= 151.488 Y=-5.600 Z=-1.312
231 X= 151.161 Y=-4.700 Z=-1.312
232 X= 151.816 Y=-6.500 Z=-1.312
233 X= 200.938 Y=-5.600 Z=-1.212
234 X= 200.611 Y=-4.700 Z=-1.212
235 X= 201.266 Y=-6.500 Z=-1.212
236 X= 4.076 Y=-11.200 Z=-1.424
237 X= 3.749 Y=-10.300 Z=-1.424
238 X= 4.404 Y=-12.100 Z=-1.424
239 X= 53.526 Y=-11.200 Z=-1.424
240 X= 53.199 Y=-10.300 Z=-1.424
241 X= 53.854 Y=-12.100 Z=-1.424
242 X= 103.526 Y=-11.200 Z=-1.424
243 X= 103.199 Y=-10.300 Z=-1.424
244 X= 103.854 Y=-12.100 Z=-1.424
245 X= 153.526 Y=-11.200 Z=-1.424
246 X= 153.199 Y=-10.300 Z=-1.424
247 X= 153.854 Y=-12.100 Z=-1.424
248 X= 202.976 Y=-11.200 Z=-1.324
249 X= 202.649 Y=-10.300 Z=-1.324
250 X= 203.304 Y=-12.100 Z=-1.324

LOCAL

ADD= 207 ANG=0.000
ADD= 208 ANG=0.693
ADD= 210 ANG=0.000
ADD= 211 ANG=1.038
ADD= 213 ANG=0.000
ADD= 214 ANG=2.089
ADD= 216 ANG=20.000
ADD= 217 ANG=20.000
ADD= 219 ANG=2.113
ADD= 220 ANG=0.000
ADD= 222 ANG=2.176
ADD= 223 ANG=2.887
ADD= 225 ANG=3.272
ADD= 226 ANG=4.349
ADD= 228 ANG=6.660
ADD= 229 ANG=8.891
ADD= 231 ANG=20.000
ADD= 232 ANG=20.000
ADD= 234 ANG=-4.275
ADD= 235 ANG=-6.207
ADD= 237 ANG=4.406
ADD= 238 ANG=5.133
ADD= 240 ANG=6.660
ADD= 241 ANG=7.770
ADD= 243 ANG=13.706
ADD= 244 ANG=16.023
ADD= 246 ANG=20.000
ADD= 247 ANG=20.000
ADD= 249 ANG=-10.081
ADD= 250 ANG=-11.818

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RESTRAINT
ADD= 207 DOF= U2, U3,
ADD= 208 DOF= U2, U3,
ADD= 210 DOF= U2, U3,
ADD= 211 DOF= U2, U3,
ADD= 213 DOF= U2, U3,
ADD= 214 DOF= U2, U3,
ADD= 216 DOF= U1, U2, U3,
ADD= 217 DOF= U1, U2, U3,
ADD= 219 DOF= U2, U3,
ADD= 220 DOF= U2, U3,
ADD= 222 DOF= U3,
ADD= 223 DOF= U3,
ADD= 225 DOF= U3,
ADD= 226 DOF= U3,
ADD= 228 DOF= U3,
ADD= 229 DOF= U3,
ADD= 231 DOF= U1, U3,
ADD= 232 DOF= U1, U3,
ADD= 234 DOF= U3,
ADD= 235 DOF= U3,
ADD= 237 DOF= U3,
ADD= 238 DOF= U3,
ADD= 240 DOF= U3,
ADD= 241 DOF= U3,
ADD= 243 DOF= U3,
ADD= 244 DOF= U3,
ADD= 246 DOF= U1, U3,
ADD= 247 DOF= U1, U3,
ADD= 249 DOF= U3,
ADD= 250 DOF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
Name=12
E=2.05e+008
Name=13
E=2.05e+008
Name=14
E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008
Name=17
E=2.05e+008
Name=18
E=2.05e+008
Name=19
E=2.05e+008
Name=20
E=2.05e+008

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Name=21
E=2.05e+008
Name=22
E=2.05e+008
Name=23
E=2.05e+008
Name=24
E=2.05e+008
Name=25
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.13096 I=0.11408277, 0.11762658 J=0.14557724 : GIDDER
Name= 2 Mat= 2 A=0.13566 I=0.13821923, 0.12460793 J=0.16601711 : GIDDER
Name= 3 Mat= 3 A=0.16734 I=0.18502743, 0.14300768 J=0.20176314 : GIDDER
Name= 4 Mat= 4 A=0.16206 I=0.1737812, 0.13994105 J=0.19717634 : GIDDER
Name= 5 Mat= 5 A=0.15678 I=0.16397522, 0.13687443 J=0.19159819 : GIDDER
Name= 6 Mat= 6 A=0.16308 I=0.17666051, 0.13956253 J=0.19159819 : GIDDER
Name= 7 Mat= 7 A=0.19374 I=0.22368650, 0.15834080 J=0.2252279 : GIDDER
Name= 8 Mat= 8 A=0.21486 I=0.24912774, 0.17060729 J=0.23252089 : GIDDER
Name= 9 Mat= 9 A=0.23598 I=0.28734496, 0.18287379 J=0.24516971 : GIDDER
Name= 10 Mat= 10 A=0.20004 I=0.23231025, 0.16102690 J=0.2225279 : GIDDER
Name= 11 Mat= 11 A=0.19374 I=0.22453142, 0.15834080 J=0.2252279 : GIDDER
Name= 12 Mat= 12 A=0.17262 I=0.18906189, 0.14607430 J=0.20521575 : GIDDER
Name= 13 Mat= 13 A=0.15150 I=0.16176322, 0.13380780 J=0.18706394 : GIDDER
Name= 14 Mat= 14 A=0.15780 I=0.16949065, 0.13649591 J=0.18706394 : GIDDER
Name= 15 Mat= 15 A=0.15150 I=0.16056275, 0.13380780 J=0.18706394 : GIDDER
Name= 16 Mat= 16 A=0.16734 I=0.17887024, 0.14300768 J=0.19964984 : GIDDER
Name= 17 Mat= 17 A=0.18318 I=0.20776438, 0.15220755 J=0.21522640 : GIDDER
Name= 18 Mat= 18 A=0.17790 I=0.19867663, 0.14914092 J=0.21064596 : GIDDER
Name= 19 Mat= 19 A=0.15150 I=0.16056275, 0.13380780 J=0.18706394 : GIDDER
Name= 20 Mat= 20 A=0.17262 I=0.18955335, 0.14607430 J=0.20145137 : GIDDER
Name= 21 Mat= 21 A=0.21486 I=0.25556888, 0.17060729 J=0.23415392 : GIDDER
Name= 22 Mat= 22 A=0.16734 I=0.18502743, 0.14300768 J=0.20176314 : GIDDER
Name= 23 Mat= 23 A=0.02280 I=0.00529551, 0.00000519 J=0.00000109 : CROSSBEAM
Name= 24 Mat= 24 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 25 Mat= 25 A=10.000000 I=10.00000000, 10.00000000 J=10.00000000 : SHCE

Name= 26 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 27 Type=Nonpr Sec= 1, 17
Name= 28 Type=Nonpr Sec= 2, 1
Name= 29 Type=Nonpr Sec= 2, 3
Name= 30 Type=Nonpr Sec= 3, 2
Name= 31 Type=Nonpr Sec= 3, 4
Name= 32 Type=Nonpr Sec= 3, 5
Name= 33 Type=Nonpr Sec= 3, 17
Name= 34 Type=Nonpr Sec= 3, 19
Name= 35 Type=Nonpr Sec= 4, 3
Name= 36 Type=Nonpr Sec= 4, 5
Name= 37 Type=Nonpr Sec= 4, 9
Name= 38 Type=Nonpr Sec= 4, 16
Name= 39 Type=Nonpr Sec= 5, 3
Name= 40 Type=Nonpr Sec= 5, 6
Name= 41 Type=Nonpr Sec= 5, 10
Name= 42 Type=Nonpr Sec= 6, 7
Name= 43 Type=Nonpr Sec= 6, 8
Name= 44 Type=Nonpr Sec= 6, 9
Name= 45 Type=Nonpr Sec= 7, 8
Name= 46 Type=Nonpr Sec= 7, 10
Name= 47 Type=Nonpr Sec= 8, 6
Name= 48 Type=Nonpr Sec= 8, 9
Name= 49 Type=Nonpr Sec= 9, 4
Name= 50 Type=Nonpr Sec= 9, 6
Name= 51 Type=Nonpr Sec= 9, 7
Name= 52 Type=Nonpr Sec= 9, 10
Name= 53 Type=Nonpr Sec= 9, 18
Name= 54 Type=Nonpr Sec= 9, 21
Name= 55 Type=Nonpr Sec= 10, 5
Name= 56 Type=Nonpr Sec= 10, 7
Name= 57 Type=Nonpr Sec= 10, 9
Name= 58 Type=Nonpr Sec= 10, 11
Name= 59 Type=Nonpr Sec= 10, 18
Name= 60 Type=Nonpr Sec= 11, 9
Name= 61 Type=Nonpr Sec= 11, 10

42 J= 43, 44 Sec=29
43 J= 44, 45 Sec= 3
44 J= 45, 46 Sec= 3
45 J= 46, 47 Sec=32
46 J= 47, 48 Sec= 5
47 J= 48, 49 Sec=41
48 J= 49, 50 Sec=56
49 J= 50, 51 Sec=45
50 J= 51, 52 Sec=48
51 J= 52, 53 Sec=51
52 J= 53, 54 Sec=46
53 J= 54, 55 Sec=59
54 J= 55, 56 Sec=83
55 J= 56, 57 Sec=13
56 J= 57, 58 Sec=13
57 J= 58, 59 Sec=89
58 J= 59, 60 Sec=72
59 J= 60, 61 Sec=76
60 J= 61, 62 Sec=78
61 J= 62, 63 Sec=83
62 J= 63, 64 Sec=75
63 J= 64, 65 Sec=71
64 J= 65, 66 Sec=13
65 J= 66, 67 Sec=13
66 J= 67, 68 Sec=70
67 J= 68, 69 Sec=89
68 J= 69, 70 Sec=59
69 J= 70, 71 Sec=45
70 J= 71, 72 Sec=48
71 J= 72, 73 Sec=51
72 J= 73, 74 Sec=46
73 J= 74, 75 Sec=55
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Addr= 17 RD=0.000, 1.000 Uzp=-17.853, -17.141
Addr= 18 RD=0.000, 1.000 Uzp=-17.141, -18.933
Addr= 19 RD=0.000, 1.000 Uzp=-18.933, -20.725
Addr= 20 RD=0.000, 1.000 Uzp=-20.725, -20.725
Addr= 21 RD=0.000, 1.000 Uzp=-20.725, -17.853
Addr= 22 RD=0.000, 1.000 Uzp=-17.853, -17.141
Addr= 23 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 24 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 25 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 26 RD=0.000, 1.000 Uzp=-17.141, -22.632
Addr= 27 RD=0.000, 1.000 Uzp=-22.632, -21.920
Addr= 28 RD=0.000, 1.000 Uzp=-21.920, -24.309
Addr= 29 RD=0.000, 1.000 Uzp=-24.309, -26.699
Addr= 30 RD=0.000, 1.000 Uzp=-26.699, -26.699
Addr= 31 RD=0.000, 1.000 Uzp=-26.699, -22.632
Addr= 32 RD=0.000, 1.000 Uzp=-22.632, -20.128
Addr= 33 RD=0.000, 1.000 Uzp=-20.128, -17.738
Addr= 34 RD=0.000, 1.000 Uzp=-17.738, -17.738
Addr= 35 RD=0.000, 1.000 Uzp=-17.738, -18.933
Addr= 36 RD=0.000, 1.000 Uzp=-18.933, -18.933
Addr= 37 RD=0.000, 1.000 Uzp=-18.933, -17.141
Addr= 38 RD=0.000, 1.000 Uzp=-17.141, -15.349
Addr= 39 RD=0.000, 1.000 Uzp=-15.349, -14.805
Addr= 40 RD=0.000, 1.000 Uzp=-14.805, -14.805
Addr= 41 RD=0.000, 1.000 Uzp=-14.805, -15.349
Addr= 42 RD=0.000, 1.000 Uzp=-15.349, -18.933
Addr= 43 RD=0.000, 1.000 Uzp=-18.933, -18.933
Addr= 44 RD=0.000, 1.000 Uzp=-18.933, -18.933
Addr= 45 RD=0.000, 1.000 Uzp=-18.933, -17.738
Addr= 46 RD=0.000, 1.000 Uzp=-17.738, -17.738
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Addr= 48 RD=0.000, 1.000 Uzp=-22.632, -21.920
Addr= 49 RD=0.000, 1.000 Uzp=-21.920, -24.309
Addr= 50 RD=0.000, 1.000 Uzp=-24.309, -26.699
Addr= 51 RD=0.000, 1.000 Uzp=-26.699, -21.920
Addr= 52 RD=0.000, 1.000 Uzp=-21.920, -22.632
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Addr= 55 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 56 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 57 RD=0.000, 1.000 Uzp=-17.141, -17.853
Addr= 58 RD=0.000, 1.000 Uzp=-17.853, -17.141
Addr= 59 RD=0.000, 1.000 Uzp=-17.141, -18.933
Addr= 60 RD=0.000, 1.000 Uzp=-18.933, -20.725
Addr= 61 RD=0.000, 1.000 Uzp=-20.725, -17.141
Addr= 62 RD=0.000, 1.000 Uzp=-17.141, -17.853
Addr= 63 RD=0.000, 1.000 Uzp=-17.853, -17.141
Addr= 64 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 65 RD=0.000, 1.000 Uzp=-17.141, -17.141
Addr= 66 RD=0.000, 1.000 Uzp=-17.141, -19.530

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[illegible]

Name=CR-HUNCH : CROSSBEAM HUNCH SELF-WEIGHT LOAD

[illegible][illegible]

Add=194 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=195 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=196 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=197 RD=0.428, 0.929 Uzp=-0.542, -0.542
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Add=206 RD=0.071, 0.572 Uzp=-0.870, -0.870
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Add=220 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=221 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=222 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=223 RD=0.403, 0.933 Uzp=-0.540, -0.540
Add=224 RD=0.067, 0.597 Uzp=-0.870, -0.870
Add=225 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=226 RD=0.071, 0.572 Uzp=-0.870, -0.870
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Add=236 RD=0.071, 0.572 Uzp=-0.870, -0.870
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Add=242 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=243 RD=0.403, 0.933 Uzp=-0.540, -0.540
Add=244 RD=0.067, 0.597 Uzp=-0.870, -0.870
Add=245 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=246 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=247 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=248 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=249 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=250 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=251 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=252 RD=0.071, 0.572 Uzp=-0.870, -0.870
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Add=262 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=263 RD=0.403, 0.933 Uzp=-0.540, -0.540
Add=264 RD=0.067, 0.597 Uzp=-0.870, -0.870
Add=265 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=266 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=267 RD=0.428, 0.929 Uzp=-0.542, -0.542
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Add=273 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=274 RD=0.071, 0.572 Uzp=-0.870, -0.870
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Add=276 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=277 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=278 RD=0.071, 0.572 Uzp=-0.870, -0.870
Add=279 RD=0.428, 0.929 Uzp=-0.542, -0.542
Add=280 RD=0.071, 0.572 Uzp=-0.870, -0.870

COMBO
Name=STEEL Type=ADD ;
LOAD=STEEL sf=1.000

Name=CONC Type=ADD ;
LOAD=CONC sf=1.000
LOAD=CR-HUNCH sf=1.000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

2) 합성부

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=MFORCE=KN

JOINT
1 X= 0.000 Y=0.000 Z=0.000
2 X= 6.488 Y=0.000 Z=0.000
3 X= 11.488 Y=0.000 Z=0.000
4 X= 16.488 Y=0.000 Z=0.000
5 X= 21.488 Y=0.000 Z=0.000
6 X= 26.488 Y=0.000 Z=0.000
7 X= 31.488 Y=0.000 Z=0.000
8 X= 36.488 Y=0.000 Z=0.000
9 X= 41.488 Y=0.000 Z=0.000
10 X= 46.488 Y=0.000 Z=0.000
11 X= 49.450 Y=0.000 Z=0.000
12 X= 56.488 Y=0.000 Z=0.000
13 X= 61.488 Y=0.000 Z=0.000
14 X= 66.488 Y=0.000 Z=0.000
15 X= 71.488 Y=0.000 Z=0.000
16 X= 76.488 Y=0.000 Z=0.000
17 X= 81.488 Y=0.000 Z=0.000
18 X= 86.488 Y=0.000 Z=0.000
19 X= 91.488 Y=0.000 Z=0.000
20 X= 96.488 Y=0.000 Z=0.000
21 X= 99.450 Y=0.000 Z=0.000
22 X= 106.488 Y=0.000 Z=0.000
23 X= 111.488 Y=0.000 Z=0.000
24 X= 116.488 Y=0.000 Z=0.000
25 X= 121.488 Y=0.000 Z=0.000
26 X= 126.488 Y=0.000 Z=0.000
27 X= 131.488 Y=0.000 Z=0.000
28 X= 136.488 Y=0.000 Z=0.000
29 X= 141.488 Y=0.000 Z=0.000
30 X= 146.488 Y=0.000 Z=0.000
31 X= 149.450 Y=0.000 Z=0.000
32 X= 156.488 Y=0.000 Z=0.000
33 X= 161.488 Y=0.000 Z=0.000
34 X= 166.488 Y=0.000 Z=0.000
35 X= 171.488 Y=0.000 Z=0.000
36 X= 176.488 Y=0.000 Z=0.000
37 X= 181.488 Y=0.000 Z=0.000
38 X= 186.488 Y=0.000 Z=0.000
39 X= 191.488 Y=0.000 Z=0.000
40 X= 196.488 Y=0.000 Z=0.000
41 X= 198.900 Y=0.000 Z=0.000
42 X= 2.038 Y=-5.600 Z=-0.112
43 X= 6.488 Y=-5.600 Z=-0.112
44 X= 11.488 Y=-5.600 Z=-0.112
45 X= 16.488 Y=-5.600 Z=-0.112
46 X= 21.488 Y=-5.600 Z=-0.112
47 X= 26.488 Y=-5.600 Z=-0.112
48 X= 31.488 Y=-5.600 Z=-0.112
49 X= 36.488 Y=-5.600 Z=-0.112
50 X= 41.488 Y=-5.600 Z=-0.112
51 X= 46.488 Y=-5.600 Z=-0.112
52 X= 51.488 Y=-5.600 Z=-0.112
53 X= 56.488 Y=-5.600 Z=-0.112
54 X= 61.488 Y=-5.600 Z=-0.112
55 X= 66.488 Y=-5.600 Z=-0.112
56 X= 71.488 Y=-5.600 Z=-0.112
57 X= 76.488 Y=-5.600 Z=-0.112
58 X= 81.488 Y=-5.600 Z=-0.112
59 X= 86.488 Y=-5.600 Z=-0.112
60 X= 91.488 Y=-5.600 Z=-0.112
61 X= 96.488 Y=-5.600 Z=-0.112
62 X= 101.488 Y=-5.600 Z=-0.112
63 X= 106.488 Y=-5.600 Z=-0.112
64 X= 111.488 Y=-5.600 Z=-0.112
65 X= 116.488 Y=-5.600 Z=-0.112
66 X= 121.488 Y=-5.600 Z=-0.112

67 X= 126.488 Y=-5.600 Z=-0.112
68 X= 131.488 Y=-5.600 Z=-0.112
69 X= 136.488 Y=-5.600 Z=-0.112
70 X= 141.488 Y=-5.600 Z=-0.112
71 X= 146.488 Y=-5.600 Z=-0.112
72 X= 151.488 Y=-5.600 Z=-0.112
73 X= 156.488 Y=-5.600 Z=-0.112
74 X= 161.488 Y=-5.600 Z=-0.112
75 X= 166.488 Y=-5.600 Z=-0.112
76 X= 171.488 Y=-5.600 Z=-0.112
77 X= 176.488 Y=-5.600 Z=-0.112
78 X= 181.488 Y=-5.600 Z=-0.112
79 X= 186.488 Y=-5.600 Z=-0.112
80 X= 191.488 Y=-5.600 Z=-0.112
81 X= 196.488 Y=-5.600 Z=-0.112
82 X= 200.938 Y=-5.600 Z=-0.112
83 X= 4.076 Y=-11.200 Z=-0.224
84 X= 6.488 Y=-11.200 Z=-0.224
85 X= 11.488 Y=-11.200 Z=-0.224
86 X= 16.488 Y=-11.200 Z=-0.224
87 X= 21.488 Y=-11.200 Z=-0.224
88 X= 26.488 Y=-11.200 Z=-0.224
89 X= 31.488 Y=-11.200 Z=-0.224
90 X= 36.488 Y=-11.200 Z=-0.224
91 X= 41.488 Y=-11.200 Z=-0.224
92 X= 46.488 Y=-11.200 Z=-0.224
93 X= 53.526 Y=-11.200 Z=-0.224
94 X= 56.488 Y=-11.200 Z=-0.224
95 X= 61.488 Y=-11.200 Z=-0.224
96 X= 66.488 Y=-11.200 Z=-0.224
97 X= 71.488 Y=-11.200 Z=-0.224
98 X= 76.488 Y=-11.200 Z=-0.224
99 X= 81.488 Y=-11.200 Z=-0.224
100 X= 86.488 Y=-11.200 Z=-0.224
101 X= 91.488 Y=-11.200 Z=-0.224
102 X= 96.488 Y=-11.200 Z=-0.224
103 X= 103.526 Y=-11.200 Z=-0.224
104 X= 106.488 Y=-11.200 Z=-0.224
105 X= 111.488 Y=-11.200 Z=-0.224
106 X= 116.488 Y=-11.200 Z=-0.224
107 X= 121.488 Y=-11.200 Z=-0.224
108 X= 126.488 Y=-11.200 Z=-0.224
109 X= 131.488 Y=-11.200 Z=-0.224
110 X= 136.488 Y=-11.200 Z=-0.224
111 X= 141.488 Y=-11.200 Z=-0.224
112 X= 146.488 Y=-11.200 Z=-0.224
113 X= 153.526 Y=-11.200 Z=-0.224
114 X= 156.488 Y=-11.200 Z=-0.224
115 X= 161.488 Y=-11.200 Z=-0.224
116 X= 166.488 Y=-11.200 Z=-0.224
117 X= 171.488 Y=-11.200 Z=-0.224
118 X= 176.488 Y=-11.200 Z=-0.224
119 X= 181.488 Y=-11.200 Z=-0.224
120 X= 186.488 Y=-11.200 Z=-0.224
121 X= 191.488 Y=-11.200 Z=-0.224
122 X= 196.488 Y=-11.200 Z=-0.224
123 X= 202.976 Y=-11.200 Z=-0.224
124 X= 1.019 Y=-2.800 Z=-0.056
125 X= 6.488 Y=-2.800 Z=-0.056
126 X= 11.488 Y=-2.800 Z=-0.056
127 X= 16.488 Y=-2.800 Z=-0.056
128 X= 21.488 Y=-2.800 Z=-0.056
129 X= 26.488 Y=-2.800 Z=-0.056
130 X= 31.488 Y=-2.800 Z=-0.056
131 X= 36.488 Y=-2.800 Z=-0.056
132 X= 41.488 Y=-2.800 Z=-0.056
133 X= 46.488 Y=-2.800 Z=-0.056
134 X= 50.469 Y=-2.800 Z=-0.056
135 X= 56.488 Y=-2.800 Z=-0.056
136 X= 61.488 Y=-2.800 Z=-0.056
137 X= 66.488 Y=-2.800 Z=-0.056
138 X= 71.488 Y=-2.800 Z=-0.056
139 X= 76.488 Y=-2.800 Z=-0.056

140 X= 81.488 Y=-2.800 Z=-0.056
141 X= 96.488 Y=-2.800 Z=-0.056
142 X= 91.488 Y=-2.800 Z=-0.056
143 X= 96.488 Y=-2.800 Z=-0.056
144 X= 100.469 Y=-2.800 Z=-0.056
145 X= 106.488 Y=-2.800 Z=-0.056
146 X= 111.488 Y=-2.800 Z=-0.056
147 X= 116.488 Y=-2.800 Z=-0.056
148 X= 121.488 Y=-2.800 Z=-0.056
149 X= 126.488 Y=-2.800 Z=-0.056
150 X= 131.488 Y=-2.800 Z=-0.056
151 X= 136.488 Y=-2.800 Z=-0.056
152 X= 141.488 Y=-2.800 Z=-0.056
153 X= 146.488 Y=-2.800 Z=-0.056
154 X= 150.469 Y=-2.800 Z=-0.056
155 X= 156.488 Y=-2.800 Z=-0.056
156 X= 161.488 Y=-2.800 Z=-0.056
157 X= 166.488 Y=-2.800 Z=-0.056
158 X= 171.488 Y=-2.800 Z=-0.056
159 X= 176.488 Y=-2.800 Z=-0.056
160 X= 181.488 Y=-2.800 Z=-0.056
161 X= 186.488 Y=-2.800 Z=-0.056
162 X= 191.488 Y=-2.800 Z=-0.056
163 X= 196.488 Y=-2.800 Z=-0.056
164 X= 199.919 Y=-2.800 Z=-0.056
165 X= 3.057 Y=-8.400 Z=-0.168
166 X= 6.488 Y=-8.400 Z=-0.168
167 X= 11.488 Y=-8.400 Z=-0.168
168 X= 16.488 Y=-8.400 Z=-0.168
169 X= 21.488 Y=-8.400 Z=-0.168
170 X= 26.488 Y=-8.400 Z=-0.168
171 X= 31.488 Y=-8.400 Z=-0.168
172 X= 36.488 Y=-8.400 Z=-0.168
173 X= 41.488 Y=-8.400 Z=-0.168
174 X= 46.488 Y=-8.400 Z=-0.168
175 X= 52.507 Y=-8.400 Z=-0.168
176 X= 56.488 Y=-8.400 Z=-0.168
177 X= 61.488 Y=-8.400 Z=-0.168
178 X= 66.488 Y=-8.400 Z=-0.168
179 X= 71.488 Y=-8.400 Z=-0.168
180 X= 76.488 Y=-8.400 Z=-0.168
181 X= 81.488 Y=-8.400 Z=-0.168
182 X= 86.488 Y=-8.400 Z=-0.168
183 X= 91.488 Y=-8.400 Z=-0.168
184 X= 96.488 Y=-8.400 Z=-0.168
185 X= 102.507 Y=-8.400 Z=-0.168
186 X= 106.488 Y=-8.400 Z=-0.168
187 X= 111.488 Y=-8.400 Z=-0.168
188 X= 116.488 Y=-8.400 Z=-0.168
189 X= 121.488 Y=-8.400 Z=-0.168
190 X= 126.488 Y=-8.400 Z=-0.168
191 X= 131.488 Y=-8.400 Z=-0.168
192 X= 136.488 Y=-8.400 Z=-0.168
193 X= 141.488 Y=-8.400 Z=-0.168
194 X= 146.488 Y=-8.400 Z=-0.168
195 X= 152.507 Y=-8.400 Z=-0.168
196 X= 156.488 Y=-8.400 Z=-0.168
197 X= 161.488 Y=-8.400 Z=-0.168
198 X= 166.488 Y=-8.400 Z=-0.168
199 X= 171.488 Y=-8.400 Z=-0.168
200 X= 176.488 Y=-8.400 Z=-0.168
201 X= 181.488 Y=-8.400 Z=-0.168
202 X= 186.488 Y=-8.400 Z=-0.168
203 X= 191.488 Y=-8.400 Z=-0.168
204 X= 196.488 Y=-8.400 Z=-0.168
205 X= 201.957 Y=-8.400 Z=-0.168
206 X= 0.000 Y=0.000 Z=-1.100
207 X=-0.328 Y=0.900 Z=-1.100
208 X= 0.328 Y=-0.900 Z=-1.100
209 X= 49.450 Y=0.000 Z=-1.200
210 X= 49.122 Y=0.900 Z=-1.200
211 X= 49.778 Y=-0.900 Z=-1.200
212 X= 99.450 Y=0.000 Z=-1.200

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ADD= 208 DOF= U2, U3,
ADD= 210 DOF= U2, U3,
ADD= 211 DOF= U2, U3,
ADD= 213 DOF= U2, U3,
ADD= 214 DOF= U2, U3,
ADD= 216 DOF= U1, U2, U3,
ADD= 217 DOF= U1, U2, U3,
ADD= 219 DOF= U2, U3,
ADD= 220 DOF= U2, U3,
ADD= 222 DOF= U3,
ADD= 223 DOF= U3,
ADD= 225 DOF= U3,
ADD= 226 DOF= U3,
ADD= 228 DOF= U3,
ADD= 229 DOF= U3,
ADD= 231 DOF= U1, U3,
ADD= 232 DOF= U1, U3,
ADD= 234 DOF= U3,
ADD= 235 DOF= U3,
ADD= 237 DOF= U3,
ADD= 238 DOF= U3,
ADD= 240 DOF= U3,
ADD= 241 DOF= U3,
ADD= 243 DOF= U3,
ADD= 244 DOF= U3,
ADD= 246 DOF= U1, U3,
ADD= 247 DOF= U1, U3,
ADD= 249 DOF= U3,
ADD= 250 DOF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
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E=2.05e+008
Name=11
E=2.05e+008
Name=12
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E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008
Name=17
E=2.05e+008
Name=18
E=2.05e+008
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E=2.05e+008
Name=22
E=2.05e+008

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214 X= 99.778 Y=0.900 Z=-1.200
215 X= 149.450 Y=0.000 Z=-1.200
216 X= 149.122 Y=0.900 Z=-1.200
217 X= 149.778 Y=-0.900 Z=-1.200
218 X= 198.900 Y=0.000 Z=-1.100
219 X= 198.572 Y=0.900 Z=-1.100
220 X= 199.228 Y=-0.900 Z=-1.100
221 X= 2.038 Y=-5.600 Z=-1.212
222 X= 1.711 Y=-4.700 Z=-1.212
223 X= 2.366 Y=-6.500 Z=-1.212
224 X= 51.488 Y=-5.600 Z=-1.312
225 X= 51.161 Y=-4.700 Z=-1.312
226 X= 51.816 Y=-6.500 Z=-1.312
227 X= 101.488 Y=-5.600 Z=-1.312
228 X= 101.161 Y=-4.700 Z=-1.312
229 X= 101.816 Y=-6.500 Z=-1.312
230 X= 151.488 Y=-5.600 Z=-1.312
231 X= 151.161 Y=-4.700 Z=-1.312
232 X= 151.816 Y=-6.500 Z=-1.312
233 X= 200.938 Y=-5.600 Z=-1.212
234 X= 200.611 Y=-4.700 Z=-1.212
235 X= 201.266 Y=-6.500 Z=-1.212
236 X= 4.076 Y=-11.200 Z=-1.424
237 X= 3.749 Y=-10.300 Z=-1.424
238 X= 4.404 Y=-12.100 Z=-1.424
239 X= 53.526 Y=-11.200 Z=-1.424
240 X= 53.199 Y=-10.300 Z=-1.424
241 X= 53.854 Y=-12.100 Z=-1.424
242 X= 103.526 Y=-11.200 Z=-1.424
243 X= 103.199 Y=-10.300 Z=-1.424
244 X= 103.854 Y=-12.100 Z=-1.424
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246 X= 153.199 Y=-10.300 Z=-1.424
247 X= 153.854 Y=-12.100 Z=-1.424
248 X= 202.976 Y=-11.200 Z=-1.324
249 X= 202.649 Y=-10.300 Z=-1.324
250 X= 203.304 Y=-12.100 Z=-1.324

LOCAL

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ADD= 216 ANG=20.000
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RESTRAINT

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Name= 5 Mat= 5 A=0.34051 I=0.33892024, 0.55684205 J=0.23414470 : GIRDER
Name= 6 Mat= 6 A=0.34681 I=0.36010260, 0.55959585 J=0.23414470 : GIRDER
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6 J= 6, 7 Sec=49
7 J= 7, 8 Sec=50
8 J= 8, 9 Sec=53
9 J= 9, 10 Sec=56
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11 J= 11, 12 Sec=58
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85 J= 87, 88 Sec=43
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92 J= 94, 95 Sec=120
93 J= 95, 96 Sec=61
94 J= 96, 97 Sec=65
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97 J= 99, 100 Sec=70
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- 83 -

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Add-329	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-330	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-331	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-332	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-333	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-334	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-335	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-336	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-337	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-338	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-339	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-340	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-341	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-342	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-343	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-344	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-345	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-346	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-347	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-348	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-349	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-350	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-351	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-352	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-353	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-354	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-355	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-356	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-357	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-358	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-359	FD=0.000, 1.000	Uzpr=4.733, -4.733
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Add-362	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-363	FD=0.000, 1.000	Uzpr=4.733, -4.733
Add-364	FD=0.000, 1.000	Uzpr=4.733, -4.733

67	Ys = 126.48h	Ys = -5.600	Z = -0.112
68	Ys = 131.48h	Ys = -5.600	Z = -0.112
69	Ys = 136.48h	Ys = -5.600	Z = -0.112
70	Ys = 141.48h	Ys = -5.600	Z = -0.112
71	Ys = 146.48h	Ys = -5.600	Z = -0.112
72	Ys = 151.48h	Ys = -5.600	Z = -0.112
73	Ys = 156.48h	Ys = -5.600	Z = -0.112
74	Ys = 161.48h	Ys = -5.600	Z = -0.112
75	Ys = 166.48h	Ys = -5.600	Z = -0.112
76	Ys = 171.48h	Ys = -5.600	Z = -0.112
77	Ys = 176.48h	Ys = -5.600	Z = -0.112
78	Ys = 181.48h	Ys = -5.600	Z = -0.112
79	Ys = 186.48h	Ys = -5.600	Z = -0.112
80	Ys = 191.48h	Ys = -5.600	Z = -0.112
81	Ys = 196.48h	Ys = -5.600	Z = -0.112
82	Ys = 200.93h	Ys = -5.600	Z = -0.112
83	Ys = 4.076	Ys = -11.200	Z = -0.224
84	Ys = 6.448	Ys = -11.200	Z = -0.224
85	Ys = 8.820	Ys = -11.200	Z = -0.224
86	Ys = 16.48h	Ys = -11.200	Z = -0.224
87	Ys = 21.48h	Ys = -11.200	Z = -0.224
88	Ys = 26.48h	Ys = -11.200	Z = -0.224
89	Ys = 31.48h	Ys = -11.200	Z = -0.224
90	Ys = 36.48h	Ys = -11.200	Z = -0.224
91	Ys = 41.48h	Ys = -11.200	Z = -0.224
92	Ys = 46.48h	Ys = -11.200	Z = -0.224
93	Ys = 53.52h	Ys = -11.200	Z = -0.224
94	Ys = 56.48h	Ys = -11.200	Z = -0.224
95	Ys = 58.48h	Ys = -11.200	Z = -0.224
96	Ys = 65.48h	Ys = -11.200	Z = -0.224
97	Ys = 71.48h	Ys = -11.200	Z = -0.224
98	Ys = 76.48h	Ys = -11.200	Z = -0.224
99	Ys = 81.48h	Ys = -11.200	Z = -0.224
100	Ys = 86.48h	Ys = -11.200	Z = -0.224
101	Ys = 91.48h	Ys = -11.200	Z = -0.224
102	Ys = 96.48h	Ys = -11.200	Z = -0.224
103	Ys = 103.52h	Ys = -11.200	Z = -0.224
104	Ys = 106.48h	Ys = -11.200	Z = -0.224
105	Ys = 108.48h	Ys = -11.200	Z = -0.224
106	Ys = 116.48h	Ys = -11.200	Z = -0.224
107	Ys = 121.48h	Ys = -11.200	Z = -0.224
108	Ys = 126.48h	Ys = -11.200	Z = -0.224
109	Ys = 131.48h	Ys = -11.200	Z = -0.224
110	Ys = 136.48h	Ys = -11.200	Z = -0.224
111	Ys = 141.48h	Ys = -11.200	Z = -0.224
112	Ys = 146.48h	Ys = -11.200	Z = -0.224
113	Ys = 153.52h	Ys = -11.200	Z = -0.224
114	Ys = 156.48h	Ys = -11.200	Z = -0.224
115	Ys = 161.48h	Ys = -11.200	Z = -0.224
116	Ys = 166.48h	Ys = -11.200	Z = -0.224
117	Ys = 171.48h	Ys = -11.200	Z = -0.224
118	Ys = 176.48h	Ys = -11.200	Z = -0.224
119	Ys = 181.48h	Ys = -11.200	Z = -0.224
120	Ys = 186.48h	Ys = -11.200	Z = -0.224
121	Ys = 191.48h	Ys = -11.200	Z = -0.224
122	Ys = 196.48h	Ys = -11.200	Z = -0.224
123	Ys = 200.93h	Ys = -11.200	Z = -0.224
124	Ys = 0.017	Ys = -2.800	Z = -0.056
125	Ys = 6.448	Ys = -2.800	Z = -0.056
126	Ys = 11.48h	Ys = -2.800	Z = -0.056
127	Ys = 16.48h	Ys = -2.800	Z = -0.056
128	Ys = 21.48h	Ys = -2.800	Z = -0.056
129	Ys = 26.48h	Ys = -2.800	Z = -0.056
130	Ys = 31.48h	Ys = -2.800	Z = -0.056
131	Ys = 36.48h	Ys = -2.800	Z = -0.056
132	Ys = 41.48h	Ys = -2.800	Z = -0.056
133	Ys = 46.48h	Ys = -2.800	Z = -0.056
134	Ys = 50.48h	Ys = -2.800	Z = -0.056
135	Ys = 56.48h	Ys = -2.800	Z = -0.056
136	Ys = 61.48h	Ys = -2.800	Z = -0.056
137	Ys = 66.48h	Ys = -2.800	Z = -0.056
138	Ys = 71.48h	Ys = -2.800	Z = -0.056
139	Ys = 76.48h	Ys = -2.800	Z = -0.056

123	X=2.029/6	Y=11.200	Z=0.224
124	X=1.019	Y=2.800	Z=0.056
125	X=6.488	Y=2.800	Z=0.056
126	X=11.488	Y=2.800	Z=0.056
127	X=16.488	Y=2.800	Z=0.056
128	X=21.488	Y=2.800	Z=0.056
129	X=26.488	Y=2.800	Z=0.056
130	X=31.488	Y=2.800	Z=0.056
131	X=36.488	Y=2.800	Z=0.056
132	X=41.488	Y=2.800	Z=0.056
133	X=46.488	Y=2.800	Z=0.056
134	X=50.488	Y=2.800	Z=0.056
135	X=56.488	Y=2.800	Z=0.056
136	X=61.488	Y=2.800	Z=0.056
137	X=66.488	Y=2.800	Z=0.056
138	X=71.488	Y=2.800	Z=0.056
139	X=76.488	Y=2.800	Z=0.056

140 X= 81.488 Y=-2.800 Z=-0.056
141 X= 96.488 Y=-2.800 Z=-0.056
142 X= 91.488 Y=-2.800 Z=-0.056
143 X= 96.488 Y=-2.800 Z=-0.056
144 X= 100.469 Y=-2.800 Z=-0.056
145 X= 106.488 Y=-2.800 Z=-0.056
146 X= 111.488 Y=-2.800 Z=-0.056
147 X= 116.488 Y=-2.800 Z=-0.056
148 X= 121.488 Y=-2.800 Z=-0.056
149 X= 126.488 Y=-2.800 Z=-0.056
150 X= 131.488 Y=-2.800 Z=-0.056
151 X= 136.488 Y=-2.800 Z=-0.056
152 X= 141.488 Y=-2.800 Z=-0.056
153 X= 146.488 Y=-2.800 Z=-0.056
154 X= 150.469 Y=-2.800 Z=-0.056
155 X= 156.488 Y=-2.800 Z=-0.056
156 X= 161.488 Y=-2.800 Z=-0.056
157 X= 166.488 Y=-2.800 Z=-0.056
158 X= 171.488 Y=-2.800 Z=-0.056
159 X= 176.488 Y=-2.800 Z=-0.056
160 X= 181.488 Y=-2.800 Z=-0.056
161 X= 186.488 Y=-2.800 Z=-0.056
162 X= 191.488 Y=-2.800 Z=-0.056
163 X= 196.488 Y=-2.800 Z=-0.056
164 X= 199.919 Y=-2.800 Z=-0.056
165 X= 3.057 Y=-8.400 Z=-0.168
166 X= 6.488 Y=-8.400 Z=-0.168
167 X= 11.488 Y=-8.400 Z=-0.168
168 X= 16.488 Y=-8.400 Z=-0.168
169 X= 21.488 Y=-8.400 Z=-0.168
170 X= 26.488 Y=-8.400 Z=-0.168
171 X= 31.488 Y=-8.400 Z=-0.168
172 X= 36.488 Y=-8.400 Z=-0.168
173 X= 41.488 Y=-8.400 Z=-0.168
174 X= 46.488 Y=-8.400 Z=-0.168
175 X= 52.507 Y=-8.400 Z=-0.168
176 X= 56.488 Y=-8.400 Z=-0.168
177 X= 61.488 Y=-8.400 Z=-0.168
178 X= 66.488 Y=-8.400 Z=-0.168
179 X= 71.488 Y=-8.400 Z=-0.168
180 X= 76.488 Y=-8.400 Z=-0.168
181 X= 81.488 Y=-8.400 Z=-0.168
182 X= 86.488 Y=-8.400 Z=-0.168
183 X= 91.488 Y=-8.400 Z=-0.168
184 X= 96.488 Y=-8.400 Z=-0.168
185 X= 102.507 Y=-8.400 Z=-0.168
186 X= 106.488 Y=-8.400 Z=-0.168
187 X= 111.488 Y=-8.400 Z=-0.168
188 X= 116.488 Y=-8.400 Z=-0.168
189 X= 121.488 Y=-8.400 Z=-0.168
190 X= 126.488 Y=-8.400 Z=-0.168
191 X= 131.488 Y=-8.400 Z=-0.168
192 X= 136.488 Y=-8.400 Z=-0.168
193 X= 141.488 Y=-8.400 Z=-0.168
194 X= 146.488 Y=-8.400 Z=-0.168
195 X= 152.507 Y=-8.400 Z=-0.168
196 X= 156.488 Y=-8.400 Z=-0.168
197 X= 161.488 Y=-8.400 Z=-0.168
198 X= 166.488 Y=-8.400 Z=-0.168
199 X= 171.488 Y=-8.400 Z=-0.168
200 X= 176.488 Y=-8.400 Z=-0.168
201 X= 181.488 Y=-8.400 Z=-0.168
202 X= 186.488 Y=-8.400 Z=-0.168
203 X= 191.488 Y=-8.400 Z=-0.168
204 X= 196.488 Y=-8.400 Z=-0.168
205 X= 201.957 Y=-8.400 Z=-0.168
206 X= 0.000 Y=0.000 Z=-1.100
207 X=-0.328 Y=0.900 Z=-1.100
208 X= 0.328 Y=-0.900 Z=-1.100
209 X= 49.450 Y=0.000 Z=-1.200
210 X= 49.122 Y=0.900 Z=-1.200
211 X= 49.778 Y=-0.900 Z=-1.200
212 X= 99.450 Y=0.000 Z=-1.200

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ADD= 208 DOF= U2, U3,
ADD= 210 DOF= U2, U3,
ADD= 211 DOF= U2, U3,
ADD= 213 DOF= U2, U3,
ADD= 214 DOF= U2, U3,
ADD= 216 DOF= U1, U2, U3,
ADD= 217 DOF= U1, U2, U3,
ADD= 219 DOF= U2, U3,
ADD= 220 DOF= U2, U3,
ADD= 222 DOF= U3,
ADD= 223 DOF= U3,
ADD= 225 DOF= U3,
ADD= 226 DOF= U3,
ADD= 228 DOF= U3,
ADD= 229 DOF= U3,
ADD= 231 DOF= U1, U3,
ADD= 232 DOF= U1, U3,
ADD= 234 DOF= U3,
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ADD= 243 DOF= U3,
ADD= 244 DOF= U3,
ADD= 246 DOF= U1, U3,
ADD= 247 DOF= U1, U3,
ADD= 249 DOF= U3,
ADD= 250 DOF= U3,

MATERIAL

Name=1
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Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
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Name=20
E=2.05e+008
Name=21
E=2.05e+008
Name=22
E=2.05e+008

213 X= 99.122 Y=0.900 Z=-1.200
214 X= 99.778 Y=0.900 Z=-1.200
215 X= 149.450 Y=0.000 Z=-1.200
216 X= 149.122 Y=0.900 Z=-1.200
217 X= 149.778 Y=-0.900 Z=-1.200
218 X= 198.900 Y=0.000 Z=-1.100
219 X= 198.572 Y=0.900 Z=-1.100
220 X= 199.228 Y=-0.900 Z=-1.100
221 X= 2.038 Y=-5.600 Z=-1.212
222 X= 1.711 Y=-4.700 Z=-1.212
223 X= 2.366 Y=-6.500 Z=-1.212
224 X= 51.488 Y=-5.600 Z=-1.312
225 X= 51.161 Y=-4.700 Z=-1.312
226 X= 51.816 Y=-6.500 Z=-1.312
227 X= 101.488 Y=-5.600 Z=-1.312
228 X= 101.161 Y=-4.700 Z=-1.312
229 X= 101.816 Y=-6.500 Z=-1.312
230 X= 151.488 Y=-5.600 Z=-1.312
231 X= 151.161 Y=-4.700 Z=-1.312
232 X= 151.816 Y=-6.500 Z=-1.312
233 X= 200.938 Y=-5.600 Z=-1.212
234 X= 200.611 Y=-4.700 Z=-1.212
235 X= 201.266 Y=-6.500 Z=-1.212
236 X= 4.076 Y=-11.200 Z=-1.424
237 X= 3.749 Y=-10.300 Z=-1.424
238 X= 4.404 Y=-12.100 Z=-1.424
239 X= 53.526 Y=-11.200 Z=-1.424
240 X= 53.199 Y=-10.300 Z=-1.424
241 X= 53.854 Y=-12.100 Z=-1.424
242 X= 103.526 Y=-11.200 Z=-1.424
243 X= 103.199 Y=-10.300 Z=-1.424
244 X= 103.854 Y=-12.100 Z=-1.424
245 X= 153.526 Y=-11.200 Z=-1.424
246 X= 153.199 Y=-10.300 Z=-1.424
247 X= 153.854 Y=-12.100 Z=-1.424
248 X= 202.976 Y=-11.200 Z=-1.324
249 X= 202.649 Y=-10.300 Z=-1.324
250 X= 203.304 Y=-12.100 Z=-1.324

LOCAL

ADD= 207 ANG=0.000
ADD= 208 ANG=0.693
ADD= 210 ANG=0.000
ADD= 211 ANG=1.038
ADD= 213 ANG=0.000
ADD= 214 ANG=2.089
ADD= 216 ANG=20.000
ADD= 217 ANG=20.000
ADD= 219 ANG=2.113
ADD= 220 ANG=0.000
ADD= 222 ANG=2.176
ADD= 223 ANG=2.887
ADD= 225 ANG=3.272
ADD= 226 ANG=4.349
ADD= 228 ANG=6.660
ADD= 229 ANG=8.691
ADD= 231 ANG=20.000
ADD= 232 ANG=20.000
ADD= 234 ANG=-4.275
ADD= 235 ANG=-6.207
ADD= 237 ANG=4.406
ADD= 238 ANG=5.133
ADD= 240 ANG=6.660
ADD= 241 ANG=7.770
ADD= 243 ANG=13.706
ADD= 244 ANG=16.023
ADD= 246 ANG=20.000
ADD= 247 ANG=20.000
ADD= 249 ANG=-10.081
ADD= 250 ANG=-11.818

RESTRAINT

ADD= 207 DOF= U2, U3,

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Name=22
E=2.05e+008
Name=23
E=2.05e+008
Name=24
E=2.05e+008
Name=25
E=2.05e+008
Name=26
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E=2.05e+008
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Name=38
E=2.05e+008
Name=39
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.31459 I=0.24727653, 0.53729622 J=0.19969776 : GIRDER
Name= 2 Mat= 2 A=0.31939 I=0.299599229, 0.54433640 J=0.21784781 : GIRDER
Name= 3 Mat= 3 A=0.35107 I=0.35997424, 0.56308408 J=0.24065462 : GIRDER
Name= 4 Mat= 4 A=0.34579 I=0.34016850, 0.55995389 J=0.23503495 : GIRDER
Name= 5 Mat= 5 A=0.34051 I=0.33892024, 0.55684205 J=0.23414470 : GIRDER
Name= 6 Mat= 6 A=0.34681 I=0.36010260, 0.55959585 J=0.23414470 : GIRDER
Name= 7 Mat= 7 A=0.37747 I=0.42142417, 0.57966253 J=0.25228981 : GIRDER
Name= 8 Mat= 8 A=0.39593 I=0.48072292, 0.59110190 J=0.26491023 : GIRDER
Name= 9 Mat= 9 A=0.41971 I=0.50093660, 0.60352387 J=0.26907956 : GIRDER
Name= 10 Mat= 10 A=0.36377 I=0.42293358, 0.58140419 J=0.25228981 : GIRDER
Name= 11 Mat= 11 A=0.37747 I=0.40293527, 0.57866253 J=0.25228981 : GIRDER
Name= 12 Mat= 12 A=0.35635 I=0.32294144, 0.56620268 J=0.23064852 : GIRDER
Name= 13 Mat= 13 A=0.33523 I=0.31693337, 0.55371846 J=0.22754167 : GIRDER
Name= 14 Mat= 14 A=0.34153 I=0.34027531, 0.55647433 J=0.22754167 : GIRDER
Name= 15 Mat= 15 A=0.33523 I=0.33951548, 0.55371846 J=0.22754167 : GIRDER
Name= 16 Mat= 16 A=0.35107 I=0.39599159, 0.56308408 J=0.24451197 : GIRDER
Name= 17 Mat= 17 A=0.36691 I=0.40128290, 0.57243539 J=0.24722815 : GIRDER
Name= 18 Mat= 18 A=0.36163 I=0.34375335, 0.56931976 J=0.23741048 : GIRDER
Name= 19 Mat= 19 A=0.33523 I=0.29881280, 0.55371846 J=0.22038904 : GIRDER
Name= 20 Mat= 20 A=0.32804 I=0.25120837, 0.63293175 J=0.19369776 : GIRDER
Name= 21 Mat= 21 A=0.33284 I=0.30063847, 0.63991310 J=0.21784781 : GIRDER
Name= 22 Mat= 22 A=0.36452 I=0.36598163, 0.65831284 J=0.24065462 : GIRDER
Name= 23 Mat= 23 A=0.35396 I=0.34445691, 0.65217859 J=0.23414470 : GIRDER
Name= 24 Mat= 24 A=0.37722 I=0.42996612, 0.67634596 J=0.25228981 : GIRDER
Name= 25 Mat= 25 A=0.39092 I=0.42863739, 0.67364596 J=0.25228981 : GIRDER
Name= 26 Mat= 26 A=0.41204 I=0.49997920, 0.68591246 J=0.26491023 : GIRDER
Name= 27 Mat= 27 A=0.43316 I=0.50883195, 0.69817895 J=0.26807856 : GIRDER
Name= 28 Mat= 28 A=0.39592 I=0.40944339, 0.67364596 J=0.25228981 : GIRDER
Name= 29 Mat= 29 A=0.34868 I=0.32377467, 0.64911297 J=0.22754167 : GIRDER
Name= 30 Mat= 30 A=0.35498 I=0.34618184, 0.65180107 J=0.22754167 : GIRDER
Name= 31 Mat= 31 A=0.34868 I=0.34524729, 0.64911297 J=0.22754167 : GIRDER
Name= 32 Mat= 32 A=0.36452 I=0.40332636, 0.65831284 J=0.24451197 : GIRDER
Name= 33 Mat= 33 A=0.39036 I=0.40814200, 0.66751271 J=0.24722815 : GIRDER
Name= 34 Mat= 34 A=0.36980 I=0.40334032, 0.66137547 J=0.24686538 : GIRDER
Name= 35 Mat= 35 A=0.39859 I=0.42844835, 0.59110190 J=0.25521023 : GIRDER

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Name=L1G2

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278 J=202, 120 Sec=37 IOFF=0,000 JOFF=1,200 RIGID=1.0
279 J= 80, 203 Sec=37 IOFF=1,200 JOFF=0,000 RIGID=1.0
280 J=203, 121 Sec=37 IOFF=0,000 JOFF=1,200 RIGID=1.0
281 J= 81, 204 Sec=37 IOFF=1,200 JOFF=0,000 RIGID=1.0
282 J=204, 122 Sec=37 IOFF=0,000 JOFF=1,200 RIGID=1.0
283 J= 82, 205 Sec=37 IOFF=1,277 JOFF=0,000 RIGID=1.0
284 J=205, 123 Sec=37 IOFF=0,000 JOFF=1,277 RIGID=1.0
285 J=124, 125 Sec=38
286 J=125, 126 Sec=38
287 J=126, 127 Sec=38
288 J=127, 128 Sec=38
289 J=128, 129 Sec=38
290 J=129, 130 Sec=38
291 J=130, 131 Sec=38
292 J=131, 132 Sec=38
293 J=132, 133 Sec=38
294 J=133, 134 Sec=38
295 J=134, 135 Sec=38
296 J=135, 136 Sec=38
297 J=136, 137 Sec=38
298 J=137, 138 Sec=38
299 J=138, 139 Sec=38
300 J=139, 140 Sec=38
301 J=140, 141 Sec=38
302 J=141, 142 Sec=38
303 J=142, 143 Sec=38
304 J=143, 144 Sec=38
305 J=144, 145 Sec=38
306 J=145, 146 Sec=38
307 J=146, 147 Sec=38
308 J=147, 148 Sec=38
309 J=148, 149 Sec=38
310 J=149, 150 Sec=38
311 J=150, 151 Sec=38
312 J=151, 152 Sec=38
313 J=152, 153 Sec=38
314 J=153, 154 Sec=38
315 J=154, 155 Sec=38
316 J=155, 156 Sec=38
317 J=156, 157 Sec=38
318 J=157, 158 Sec=38
319 J=158, 159 Sec=38
320 J=159, 160 Sec=38
321 J=160, 161 Sec=38
322 J=161, 162 Sec=38
323 J=162, 163 Sec=38
324 J=163, 164 Sec=38
325 J=165, 166 Sec=38
326 J=166, 167 Sec=38
327 J=167, 168 Sec=38
328 J=168, 169 Sec=38
329 J=169, 170 Sec=38
330 J=170, 171 Sec=38
331 J=171, 172 Sec=38
332 J=172, 173 Sec=38
333 J=173, 174 Sec=38
334 J=174, 175 Sec=38
335 J=175, 176 Sec=38
336 J=176, 177 Sec=38
337 J=177, 178 Sec=38
338 J=178, 179 Sec=38
339 J=179, 180 Sec=38
340 J=180, 181 Sec=38
341 J=181, 182 Sec=38
342 J=182, 183 Sec=38
343 J=183, 184 Sec=38
344 J=184, 185 Sec=38
345 J=185, 186 Sec=38
346 J=186, 187 Sec=38
347 J=187, 188 Sec=38
348 J=188, 189 Sec=38
349 J=189, 190 Sec=38
350 J=190, 191 Sec=38

Path= 41, 50, 1, Ecc=1.765
Path= 51, 60, 1, Ecc=1.765
Path= 61, 70, 1, Ecc=1.765
Path= 71, 80, 1, Ecc=1.765
Name=L1G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L1G3
Path= 81, 90, 1, Ecc=1.459
Path= 91, 100, 1, Ecc=1.459
Path= 101, 110, 1, Ecc=1.459
Path= 111, 120, 1, Ecc=1.459

: Case = 2 ----- G1 Max DB 2인
Name=L2G1
Path= 1, 10, 1, Ecc=0.026
Path= 11, 20, 1, Ecc=0.026
Path= 21, 30, 1, Ecc=0.026
Path= 31, 40, 1, Ecc=0.026
Name=L2G1S1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L2G2
Path= 41, 50, 1, Ecc=1.343
Path= 51, 60, 1, Ecc=1.343
Path= 61, 70, 1, Ecc=1.343
Path= 71, 80, 1, Ecc=1.343
Name=L2G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L2G3
Path= 81, 90, 1, Ecc=1.458
Path= 91, 100, 1, Ecc=1.458
Path= 101, 110, 1, Ecc=1.458
Path= 111, 120, 1, Ecc=1.458

: Case = 3 ----- G1 Max DB 3인
Name=L3G1
Path= 1, 10, 1, Ecc=0.040
Path= 11, 20, 1, Ecc=0.040
Path= 21, 30, 1, Ecc=0.040
Path= 31, 40, 1, Ecc=0.040
Name=L3G1S1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L3G2
Path= 41, 50, 1, Ecc=0.006
Path= 51, 60, 1, Ecc=0.006
Path= 61, 70, 1, Ecc=0.006
Path= 71, 80, 1, Ecc=0.006
Name=L3G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L3G3
Path= 81, 90, 1, Ecc=1.458
Path= 91, 100, 1, Ecc=1.458
Path= 101, 110, 1, Ecc=1.458
Path= 111, 120, 1, Ecc=1.458

: Case = 4 ----- G1 Max DB 4인
Name=L4G1
Path= 1, 10, 1, Ecc=0.041
Path= 11, 20, 1, Ecc=0.041

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: Case = 15 ----- G1 Max DL 3선
Name=L15G1
Path= 1, 10, 1, Ecc=0.011
Path= 11, 20, 1, Ecc=0.011
Path= 21, 30, 1, Ecc=0.011
Path= 31, 40, 1, Ecc=0.011
Name=L15GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L15G2
Path= 41, 50, 1, Ecc=0.123
Path= 51, 60, 1, Ecc=0.123
Path= 61, 70, 1, Ecc=0.123
Path= 71, 80, 1, Ecc=0.123
Name=L15G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L15G3
Path= 81, 90, 1, Ecc=1.458
Path= 91, 100, 1, Ecc=1.458
Path= 101, 110, 1, Ecc=1.458
Path= 111, 120, 1, Ecc=1.458

: Case = 16 ----- G1 Max DL 4선
Name=L16G1
Path= 1, 10, 1, Ecc=0.011
Path= 11, 20, 1, Ecc=0.011
Path= 21, 30, 1, Ecc=0.011
Path= 31, 40, 1, Ecc=0.011
Name=L16GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L16G2
Path= 41, 50, 1, Ecc=0.127
Path= 51, 60, 1, Ecc=0.127
Path= 61, 70, 1, Ecc=0.127
Path= 71, 80, 1, Ecc=0.127
Name=L16G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L16G3
Path= 81, 90, 1, Ecc=0.714
Path= 91, 100, 1, Ecc=0.714
Path= 101, 110, 1, Ecc=0.714
Path= 111, 120, 1, Ecc=0.714

: Case = 17 ----- G2 Max DL 1선
Name=L17G1
Path= 1, 10, 1, Ecc=-1.458
Path= 11, 20, 1, Ecc=-1.458
Path= 21, 30, 1, Ecc=-1.458
Path= 31, 40, 1, Ecc=-1.458
Name=L17GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L17G2
Path= 41, 50, 1, Ecc=0.000
Path= 51, 60, 1, Ecc=0.000
Path= 61, 70, 1, Ecc=0.000
Path= 71, 80, 1, Ecc=0.000
Name=L17G2S1
Path= 325, 334, 1, Ecc=0.000

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Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L17G3
Path= 81, 90, 1, Ecc=1.458
Path= 91, 100, 1, Ecc=1.458
Path= 101, 110, 1, Ecc=1.458
Path= 111, 120, 1, Ecc=1.458

: Case = 18 ----- G2 Max DL 2선
Name=L18G1
Path= 1, 10, 1, Ecc=-1.456
Path= 11, 20, 1, Ecc=-1.456
Path= 21, 30, 1, Ecc=-1.456
Path= 31, 40, 1, Ecc=-1.456
Name=L18GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L18G2
Path= 41, 50, 1, Ecc=0.000
Path= 51, 60, 1, Ecc=0.000
Path= 61, 70, 1, Ecc=0.000
Path= 71, 80, 1, Ecc=0.000
Name=L18G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L18G3
Path= 81, 90, 1, Ecc=1.456
Path= 91, 100, 1, Ecc=1.456
Path= 101, 110, 1, Ecc=1.456
Path= 111, 120, 1, Ecc=1.456

: Case = 19 ----- G2 Max DL 3선
Name=L19G1
Path= 1, 10, 1, Ecc=-1.179
Path= 11, 20, 1, Ecc=-1.179
Path= 21, 30, 1, Ecc=-1.179
Path= 31, 40, 1, Ecc=-1.179
Name=L19GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L19G2
Path= 41, 50, 1, Ecc=0.000
Path= 51, 60, 1, Ecc=0.000
Path= 61, 70, 1, Ecc=0.000
Path= 71, 80, 1, Ecc=0.000
Name=L19G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L19G3
Path= 81, 90, 1, Ecc=1.179
Path= 91, 100, 1, Ecc=1.179
Path= 101, 110, 1, Ecc=1.179
Path= 111, 120, 1, Ecc=1.179

: Case = 20 ----- G2 Max DL 4선
Name=L20G1
Path= 1, 10, 1, Ecc=-0.581
Path= 11, 20, 1, Ecc=-0.581
Path= 21, 30, 1, Ecc=-0.581
Path= 31, 40, 1, Ecc=-0.581
Name=L20GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000

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Path= 315, 324, 1, Ecc=0.000
Name=L20G2
Path= 41, 50, 1, Ecc=0.000
Path= 51, 60, 1, Ecc=0.000
Path= 61, 70, 1, Ecc=0.000
Path= 71, 80, 1, Ecc=0.000
Name=L20G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L20G3
Path= 81, 90, 1, Ecc=0.581
Path= 91, 100, 1, Ecc=0.581
Path= 101, 110, 1, Ecc=0.581
Path= 111, 120, 1, Ecc=0.581

: Case = 21 ----- G3 Max DL 1선
Name=L21G1
Path= 1, 10, 1, Ecc=-1.467
Path= 11, 20, 1, Ecc=-1.467
Path= 21, 30, 1, Ecc=-1.467
Path= 31, 40, 1, Ecc=-1.467
Name=L21GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L21G2
Path= 41, 50, 1, Ecc=-1.765
Path= 51, 60, 1, Ecc=-1.765
Path= 61, 70, 1, Ecc=-1.765
Path= 71, 80, 1, Ecc=-1.765
Name=L21G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L21G3
Path= 81, 90, 1, Ecc=-0.221
Path= 91, 100, 1, Ecc=-0.221
Path= 101, 110, 1, Ecc=-0.221
Path= 111, 120, 1, Ecc=-0.221

: Case = 22 ----- G3 Max DL 2선
Name=L22G1
Path= 1, 10, 1, Ecc=-1.457
Path= 11, 20, 1, Ecc=-1.457
Path= 21, 30, 1, Ecc=-1.457
Path= 31, 40, 1, Ecc=-1.457
Name=L22GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L22G2
Path= 41, 50, 1, Ecc=-1.373
Path= 51, 60, 1, Ecc=-1.373
Path= 61, 70, 1, Ecc=-1.373
Path= 71, 80, 1, Ecc=-1.373
Name=L22G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L22G3
Path= 81, 90, 1, Ecc=-0.090
Path= 91, 100, 1, Ecc=-0.090
Path= 101, 110, 1, Ecc=-0.090
Path= 111, 120, 1, Ecc=-0.090

: Case = 23 ----- G3 Max DL 3선
Name=L23G1

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Path= 1, 10, 1, Ecc=-1.458
Path= 11, 20, 1, Ecc=-1.458
Path= 21, 30, 1, Ecc=-1.458
Path= 31, 40, 1, Ecc=-1.458
Name=L23GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L23G2
Path= 41, 50, 1, Ecc=0.148
Path= 51, 60, 1, Ecc=0.148
Path= 61, 70, 1, Ecc=0.148
Path= 71, 80, 1, Ecc=0.148
Name=L23G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L23G3
Path= 81, 90, 1, Ecc=-0.075
Path= 91, 100, 1, Ecc=-0.075
Path= 101, 110, 1, Ecc=-0.075
Path= 111, 120, 1, Ecc=-0.075

: Case = 24 ----- G3 Max DL 4선
Name=L24G1
Path= 1, 10, 1, Ecc=-0.774
Path= 11, 20, 1, Ecc=-0.774
Path= 21, 30, 1, Ecc=-0.774
Path= 31, 40, 1, Ecc=-0.774
Name=L24GIS1
Path= 285, 294, 1, Ecc=0.000
Path= 295, 304, 1, Ecc=0.000
Path= 305, 314, 1, Ecc=0.000
Path= 315, 324, 1, Ecc=0.000
Name=L24G2
Path= 41, 50, 1, Ecc=0.146
Path= 51, 60, 1, Ecc=0.146
Path= 61, 70, 1, Ecc=0.146
Path= 71, 80, 1, Ecc=0.146
Name=L24G2S1
Path= 325, 334, 1, Ecc=0.000
Path= 335, 344, 1, Ecc=0.000
Path= 345, 354, 1, Ecc=0.000
Path= 355, 364, 1, Ecc=0.000
Name=L24G3
Path= 81, 90, 1, Ecc=-0.075
Path= 91, 100, 1, Ecc=-0.075
Path= 101, 110, 1, Ecc=-0.075
Path= 111, 120, 1, Ecc=-0.075

VEHICLES
Name=1 TYPE=Gen : DB-24
P=24.000 P=96.000
D=4.200 P=96.000
D=4.200 9.000 P=96.000

Name=2 TYPE=Gen : DL-24
W=4.233 PM=36.000 PWM=52.000

Vehicle Class
Name=1
Vehi=1
Name=2
Vehi=2

Bridge Response
Elem=Frame
Add=+
Elem=Joint Type=DISP
Add=+

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Elem=Joint Type=REAC
Add=*

MOVING LOAD

Name= 1 Rf=1,000 : G1 Max DB 1선
Lane= L1G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,188
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 Sf=0,043
Lane= L1G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,004

Name= 2 Rf=1,000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,390
Lane= L2G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,797
Lane= L2G2 Class=1 Lmin= 1 Lmax= 1 Sf=0,798
Lane= L2G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,018

Name= 3 Rf=0,900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,415
Lane= L3G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,669
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,459
Lane= L3G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,519

Name= 4 Rf=0,750 : G1 Max DB 4선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,415
Lane= L4G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,668
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,447
Lane= L4G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,598
Lane= L4G3 Class=1 Lmin= 1 Lmax= 1 Sf=1,872

Name= 5 Rf=1,000 : G2 Max DB 1선
Lane= L5G1 Class=1 Lmin= 1 Lmax= 1 Sf=0,035
Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,294
Lane= L5G3 Class=1 Lmin= 1 Lmax= 1 Sf=0,035

Name= 6 Rf=1,000 : G2 Max DB 2선
Lane= L6G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,586
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,895
Lane= L6G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,586

Name= 7 Rf=0,900 : G2 Max DB 3선
Lane= L7G1 Class=1 Lmin= 1 Lmax= 1 Sf=1,047
Lane= L7G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,755
Lane= L7G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,394
Lane= L7G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,755
Lane= L7G3 Class=1 Lmin= 1 Lmax= 1 Sf=1,047

Name= 8 Rf=0,750 : G2 Max DB 4선
Lane= L8G1 Class=1 Lmin= 1 Lmax= 1 Sf=2,028
Lane= L8G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,511
Lane= L8G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,922
Lane= L8G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,511
Lane= L8G3 Class=1 Lmin= 1 Lmax= 1 Sf=2,028

Name= 9 Rf=1,000 : G3 Max DB 1선
Lane= L9G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,004
Lane= L9G2 Class=1 Lmin= 1 Lmax= 1 Sf=0,040
Lane= L9G3 Class=1 Lmin= 1 Lmax= 1 Sf=2,174

Name= 10 Rf=1,000 : G3 Max DB 2선
Lane= L10G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,023
Lane= L10G2 Class=1 Lmin= 1 Lmax= 1 Sf=0,707
Lane= L10G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,836
Lane= L10G3 Class=1 Lmin= 1 Lmax= 1 Sf=2,438

Name= 11 Rf=0,900 : G3 Max DB 3선
Lane= L11G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,436
Lane= L11G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,467
Lane= L11G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,691
Lane= L11G3 Class=1 Lmin= 1 Lmax= 1 Sf=2,466

Name= 12 Rf=0,750 : G3 Max DB 4선
Lane= L12G1 Class=1 Lmin= 1 Lmax= 1 Sf=1,801
Lane= L12G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,601
Lane= L12G2 Class=1 Lmin= 1 Lmax= 1 Sf=2,443

Lane= L12G2S1 Class=1 Lmin= 1 Lmax= 1 Sf=0,688
Lane= L12G3 Class=1 Lmin= 1 Lmax= 1 Sf=2,466

Name= 13 Rf=1,000 : G1 Max DL 1선
Lane= L13G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,301
Lane= L13G2 Class=2 Lmin= 1 Lmax= 1 Sf=0,068
Lane= L13G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,006

Name= 14 Rf=1,000 : G1 Max DL 2선
Lane= L14G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,516
Lane= L14G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,337
Lane= L14G2 Class=2 Lmin= 1 Lmax= 1 Sf=1,128
Lane= L14G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,022

Name= 15 Rf=0,900 : G1 Max DL 3선
Lane= L15G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,545
Lane= L15G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,189
Lane= L15G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,663
Lane= L15G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,641

Name= 16 Rf=0,750 : G1 Max DL 4선
Lane= L16G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,545
Lane= L16G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,190
Lane= L16G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,693
Lane= L16G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,653
Lane= L16G3 Class=2 Lmin= 1 Lmax= 1 Sf=2,920

Name= 17 Rf=1,000 : G2 Max DL 1선
Lane= L17G1 Class=2 Lmin= 1 Lmax= 1 Sf=0,058
Lane= L17G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,482
Lane= L17G3 Class=2 Lmin= 1 Lmax= 1 Sf=0,058

Name= 18 Rf=1,000 : G2 Max DL 2선
Lane= L18G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,817
Lane= L18G2 Class=2 Lmin= 1 Lmax= 1 Sf=4,438
Lane= L18G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,817

Name= 19 Rf=0,900 : G2 Max DL 3선
Lane= L19G1 Class=2 Lmin= 1 Lmax= 1 Sf=1,567
Lane= L19G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,148
Lane= L19G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,569
Lane= L19G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,148
Lane= L19G3 Class=2 Lmin= 1 Lmax= 1 Sf=1,567

Name= 20 Rf=0,750 : G2 Max DL 4선
Lane= L20G1 Class=2 Lmin= 1 Lmax= 1 Sf=3,112
Lane= L20G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,631
Lane= L20G2 Class=2 Lmin= 1 Lmax= 1 Sf=4,514
Lane= L20G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,631
Lane= L20G3 Class=2 Lmin= 1 Lmax= 1 Sf=3,112

Name= 21 Rf=1,000 : G3 Max DL 1선
Lane= L21G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,006
Lane= L21G2 Class=2 Lmin= 1 Lmax= 1 Sf=0,062
Lane= L21G3 Class=2 Lmin= 1 Lmax= 1 Sf=3,274

Name= 22 Rf=1,000 : G3 Max DL 2선
Lane= L22G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,027
Lane= L22G2 Class=2 Lmin= 1 Lmax= 1 Sf=0,977
Lane= L22G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,431
Lane= L22G3 Class=2 Lmin= 1 Lmax= 1 Sf=3,570

Name= 23 Rf=0,900 : G3 Max DL 3선
Lane= L23G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,507
Lane= L23G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,684
Lane= L23G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,255
Lane= L23G3 Class=2 Lmin= 1 Lmax= 1 Sf=3,684

Name= 24 Rf=0,750 : G3 Max DL 4선
Lane= L24G1 Class=2 Lmin= 1 Lmax= 1 Sf=2,825
Lane= L24G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=0,837
Lane= L24G2 Class=2 Lmin= 1 Lmax= 1 Sf=3,880
Lane= L24G2S1 Class=2 Lmin= 1 Lmax= 1 Sf=1,254

Lane= L24G3 Class=2 Lmin= 1 Lmax= 1 Sf=3,604

COMBO

Name=G1XDB1 Type=ENVE : G1 Max DB 1선
MOVE=1 sf=1,168

Name=G1XDB2 Type=ENVE : G1 Max DB 2선
MOVE=2 sf=1,168

Name=G1XDB3 Type=ENVE : G1 Max DB 3선
MOVE=3 sf=1,168

Name=G1XDB4 Type=ENVE : G1 Max DB 4선
MOVE=4 sf=1,168

Name=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=5 sf=1,168

Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=6 sf=1,168

Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=7 sf=1,168

Name=G2XDB4 Type=ENVE : G2 Max DB 4선
MOVE=8 sf=1,168

Name=G3XDB1 Type=ENVE : G3 Max DB 1선
MOVE=9 sf=1,168

Name=G3XDB2 Type=ENVE : G3 Max DB 2선
MOVE=10 sf=1,168

Name=G3XDB3 Type=ENVE : G3 Max DB 3선
MOVE=11 sf=1,168

Name=G3XDB4 Type=ENVE : G3 Max DB 4선
MOVE=12 sf=1,168

Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=13 sf=1,168

Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=14 sf=1,168

Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=15 sf=1,168

Name=G1XDL4 Type=ENVE : G1 Max DL 4선
MOVE=16 sf=1,168

Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=17 sf=1,168

Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=18 sf=1,168

Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=19 sf=1,168

Name=G2XDL4 Type=ENVE : G2 Max DL 4선
MOVE=20 sf=1,168

Name=G3XDL1 Type=ENVE : G3 Max DL 1선
MOVE=21 sf=1,168

Name=G3XDL2 Type=ENVE : G3 Max DL 2선
MOVE=22 sf=1,168

Name=G3XDL3 Type=ENVE : G3 Max DL 3선
MOVE=23 sf=1,168

Name=G3XDL4 Type=ENVE : G3 Max DL 4선

MOVE=24 sf=1,168

Name=DB Type=ENVE :
COMB=G1XDB1 sf=1,000
COMB=G1XDB2 sf=1,000
COMB=G1XDB3 sf=1,000
COMB=G1XDB4 sf=1,000
COMB=G2XDB1 sf=1,000
COMB=G2XDB2 sf=1,000
COMB=G2XDB3 sf=1,000
COMB=G2XDB4 sf=1,000
COMB=G3XDB1 sf=1,000
COMB=G3XDB2 sf=1,000
COMB=G3XDB3 sf=1,000
COMB=G3XDB4 sf=1,000

Name=DL Type=ENVE :
COMB=G1XDL1 sf=1,000
COMB=G1XDL2 sf=1,000
COMB=G1XDL3 sf=1,000
COMB=G1XDL4 sf=1,000
COMB=G2XDL1 sf=1,000
COMB=G2XDL2 sf=1,000
COMB=G2XDL3 sf=1,000
COMB=G2XDL4 sf=1,000
COMB=G3XDL1 sf=1,000
COMB=G3XDL2 sf=1,000
COMB=G3XDL3 sf=1,000
COMB=G3XDL4 sf=1,000

Name=CAR Type=ENVE :
COMB=DB sf=1,000
COMB=DL sf=1,000

Name=DESIGN Type=ENVE :
COMB=CAR sf=1,000

OUTPUT
ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
ELEM=FRAME TYPE=FORCE LOAD=> COMB=>

4) 부등강하

< UNEQUAL SETTLEMENT >

SYSTEM

LENGTH=MFORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 6.488 Y=0.000 Z=0.000
3 X= 11.488 Y=0.000 Z=0.000
4 X= 16.488 Y=0.000 Z=0.000
5 X= 21.488 Y=0.000 Z=0.000
6 X= 26.488 Y=0.000 Z=0.000
7 X= 31.488 Y=0.000 Z=0.000
8 X= 36.488 Y=0.000 Z=0.000
9 X= 41.488 Y=0.000 Z=0.000
10 X= 46.488 Y=0.000 Z=0.000
11 X= 49.450 Y=0.000 Z=0.000
12 X= 56.488 Y=0.000 Z=0.000
13 X= 61.488 Y=0.000 Z=0.000
14 X= 66.488 Y=0.000 Z=0.000
15 X= 71.488 Y=0.000 Z=0.000
16 X= 76.488 Y=0.000 Z=0.000
17 X= 81.488 Y=0.000 Z=0.000
18 X= 86.488 Y=0.000 Z=0.000
19 X= 91.488 Y=0.000 Z=0.000
20 X= 96.488 Y=0.000 Z=0.000
21 X= 99.450 Y=0.000 Z=0.000
22 X= 106.488 Y=0.000 Z=0.000
23 X= 111.488 Y=0.000 Z=0.000
24 X= 116.488 Y=0.000 Z=0.000
25 X= 121.488 Y=0.000 Z=0.000
26 X= 126.488 Y=0.000 Z=0.000
27 X= 131.488 Y=0.000 Z=0.000
28 X= 136.488 Y=0.000 Z=0.000
29 X= 141.488 Y=0.000 Z=0.000
30 X= 146.488 Y=0.000 Z=0.000
31 X= 149.450 Y=0.000 Z=0.000
32 X= 156.488 Y=0.000 Z=0.000
33 X= 161.488 Y=0.000 Z=0.000
34 X= 166.488 Y=0.000 Z=0.000
35 X= 171.488 Y=0.000 Z=0.000
36 X= 176.488 Y=0.000 Z=0.000
37 X= 181.488 Y=0.000 Z=0.000
38 X= 186.488 Y=0.000 Z=0.000
39 X= 191.488 Y=0.000 Z=0.000
40 X= 196.488 Y=0.000 Z=0.000
41 X= 198.900 Y=0.000 Z=0.000
42 X= 2.038 Y=-5.600 Z=-0.112
43 X= 6.488 Y=-5.600 Z=-0.112
44 X= 11.488 Y=-5.600 Z=-0.112
45 X= 16.488 Y=-5.600 Z=-0.112
46 X= 21.488 Y=-5.600 Z=-0.112
47 X= 26.488 Y=-5.600 Z=-0.112
48 X= 31.488 Y=-5.600 Z=-0.112
49 X= 36.488 Y=-5.600 Z=-0.112
50 X= 41.488 Y=-5.600 Z=-0.112
51 X= 46.488 Y=-5.600 Z=-0.112
52 X= 51.488 Y=-5.600 Z=-0.112
53 X= 56.488 Y=-5.600 Z=-0.112
54 X= 61.488 Y=-5.600 Z=-0.112
55 X= 66.488 Y=-5.600 Z=-0.112
56 X= 71.488 Y=-5.600 Z=-0.112
57 X= 76.488 Y=-5.600 Z=-0.112
58 X= 81.488 Y=-5.600 Z=-0.112
59 X= 86.488 Y=-5.600 Z=-0.112
60 X= 91.488 Y=-5.600 Z=-0.112
61 X= 96.488 Y=-5.600 Z=-0.112
62 X= 101.488 Y=-5.600 Z=-0.112
63 X= 106.488 Y=-5.600 Z=-0.112
64 X= 111.488 Y=-5.600 Z=-0.112
65 X= 116.488 Y=-5.600 Z=-0.112
66 X= 121.488 Y=-5.600 Z=-0.112

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140 X= 81.488 Y=-2.800 Z=-0.056
141 X= 86.488 Y=-2.800 Z=-0.056
142 X= 91.488 Y=-2.800 Z=-0.056
143 X= 96.488 Y=-2.800 Z=-0.056
144 X= 100.469 Y=-2.800 Z=-0.056
145 X= 106.488 Y=-2.800 Z=-0.056
146 X= 111.488 Y=-2.800 Z=-0.056
147 X= 116.488 Y=-2.800 Z=-0.056
148 X= 121.488 Y=-2.800 Z=-0.056
149 X= 126.488 Y=-2.800 Z=-0.056
150 X= 131.488 Y=-2.800 Z=-0.056
151 X= 136.488 Y=-2.800 Z=-0.056
152 X= 141.488 Y=-2.800 Z=-0.056
153 X= 146.488 Y=-2.800 Z=-0.056
154 X= 150.469 Y=-2.800 Z=-0.056
155 X= 156.488 Y=-2.800 Z=-0.056
156 X= 161.488 Y=-2.800 Z=-0.056
157 X= 166.488 Y=-2.800 Z=-0.056
158 X= 171.488 Y=-2.800 Z=-0.056
159 X= 176.488 Y=-2.800 Z=-0.056
160 X= 181.488 Y=-2.800 Z=-0.056
161 X= 186.488 Y=-2.800 Z=-0.056
162 X= 191.488 Y=-2.800 Z=-0.056
163 X= 196.488 Y=-2.800 Z=-0.056
164 X= 199.919 Y=-2.800 Z=-0.056
165 X= 3.057 Y=-8.400 Z=-0.168
166 X= 6.488 Y=-8.400 Z=-0.168
167 X= 11.488 Y=-8.400 Z=-0.168
168 X= 16.488 Y=-8.400 Z=-0.168
169 X= 21.488 Y=-8.400 Z=-0.168
170 X= 26.488 Y=-8.400 Z=-0.168
171 X= 31.488 Y=-8.400 Z=-0.168
172 X= 36.488 Y=-8.400 Z=-0.168
173 X= 41.488 Y=-8.400 Z=-0.168
174 X= 46.488 Y=-8.400 Z=-0.168
175 X= 52.507 Y=-8.400 Z=-0.168
176 X= 56.488 Y=-8.400 Z=-0.168
177 X= 61.488 Y=-8.400 Z=-0.168
178 X= 66.488 Y=-8.400 Z=-0.168
179 X= 71.488 Y=-8.400 Z=-0.168
180 X= 76.488 Y=-8.400 Z=-0.168
181 X= 81.488 Y=-8.400 Z=-0.168
182 X= 86.488 Y=-8.400 Z=-0.168
183 X= 91.488 Y=-8.400 Z=-0.168
184 X= 96.488 Y=-8.400 Z=-0.168
185 X= 102.507 Y=-8.400 Z=-0.168
186 X= 106.488 Y=-8.400 Z=-0.168
187 X= 111.488 Y=-8.400 Z=-0.168
188 X= 116.488 Y=-8.400 Z=-0.168
189 X= 121.488 Y=-8.400 Z=-0.168
190 X= 126.488 Y=-8.400 Z=-0.168
191 X= 131.488 Y=-8.400 Z=-0.168
192 X= 136.488 Y=-8.400 Z=-0.168
193 X= 141.488 Y=-8.400 Z=-0.168
194 X= 146.488 Y=-8.400 Z=-0.168
195 X= 152.507 Y=-8.400 Z=-0.168
196 X= 156.488 Y=-8.400 Z=-0.168
197 X= 161.488 Y=-8.400 Z=-0.168
198 X= 166.488 Y=-8.400 Z=-0.168
199 X= 171.488 Y=-8.400 Z=-0.168
200 X= 176.488 Y=-8.400 Z=-0.168
201 X= 181.488 Y=-8.400 Z=-0.168
202 X= 186.488 Y=-8.400 Z=-0.168
203 X= 191.488 Y=-8.400 Z=-0.168
204 X= 196.488 Y=-8.400 Z=-0.168
205 X= 201.957 Y=-8.400 Z=-0.168
206 X= 0.000 Y=0.000 Z=-1.100
207 X= -0.328 Y=0.900 Z=-1.100
208 X= 0.328 Y=-0.900 Z=-1.100
209 X= 49.450 Y=0.000 Z=-1.200
210 X= 49.122 Y=0.900 Z=-1.200
211 X= 49.778 Y=-0.900 Z=-1.200
212 X= 99.450 Y=0.000 Z=-1.200

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67 X= 126.488 Y=-5.600 Z=-0.112
68 X= 131.488 Y=-5.600 Z=-0.112
69 X= 136.488 Y=-5.600 Z=-0.112
70 X= 141.488 Y=-5.600 Z=-0.112
71 X= 146.488 Y=-5.600 Z=-0.112
72 X= 151.488 Y=-5.600 Z=-0.112
73 X= 156.488 Y=-5.600 Z=-0.112
74 X= 161.488 Y=-5.600 Z=-0.112
75 X= 166.488 Y=-5.600 Z=-0.112
76 X= 171.488 Y=-5.600 Z=-0.112
77 X= 176.488 Y=-5.600 Z=-0.112
78 X= 181.488 Y=-5.600 Z=-0.112
79 X= 186.488 Y=-5.600 Z=-0.112
80 X= 191.488 Y=-5.600 Z=-0.112
81 X= 196.488 Y=-5.600 Z=-0.112
82 X= 200.938 Y=-5.600 Z=-0.112
83 X= 4.076 Y=-11.200 Z=-0.224
84 X= 6.488 Y=-11.200 Z=-0.224
85 X= 11.488 Y=-11.200 Z=-0.224
86 X= 16.488 Y=-11.200 Z=-0.224
87 X= 21.488 Y=-11.200 Z=-0.224
88 X= 26.488 Y=-11.200 Z=-0.224
89 X= 31.488 Y=-11.200 Z=-0.224
90 X= 36.488 Y=-11.200 Z=-0.224
91 X= 41.488 Y=-11.200 Z=-0.224
92 X= 46.488 Y=-11.200 Z=-0.224
93 X= 53.526 Y=-11.200 Z=-0.224
94 X= 56.488 Y=-11.200 Z=-0.224
95 X= 61.488 Y=-11.200 Z=-0.224
96 X= 66.488 Y=-11.200 Z=-0.224
97 X= 71.488 Y=-11.200 Z=-0.224
98 X= 76.488 Y=-11.200 Z=-0.224
99 X= 81.488 Y=-11.200 Z=-0.224
100 X= 86.488 Y=-11.200 Z=-0.224
101 X= 91.488 Y=-11.200 Z=-0.224
102 X= 96.488 Y=-11.200 Z=-0.224
103 X= 103.526 Y=-11.200 Z=-0.224
104 X= 106.488 Y=-11.200 Z=-0.224
105 X= 111.488 Y=-11.200 Z=-0.224
106 X= 116.488 Y=-11.200 Z=-0.224
107 X= 121.488 Y=-11.200 Z=-0.224
108 X= 126.488 Y=-11.200 Z=-0.224
109 X= 131.488 Y=-11.200 Z=-0.224
110 X= 136.488 Y=-11.200 Z=-0.224
111 X= 141.488 Y=-11.200 Z=-0.224
112 X= 146.488 Y=-11.200 Z=-0.224
113 X= 153.526 Y=-11.200 Z=-0.224
114 X= 156.488 Y=-11.200 Z=-0.224
115 X= 161.488 Y=-11.200 Z=-0.224
116 X= 166.488 Y=-11.200 Z=-0.224
117 X= 171.488 Y=-11.200 Z=-0.224
118 X= 176.488 Y=-11.200 Z=-0.224
119 X= 181.488 Y=-11.200 Z=-0.224
120 X= 186.488 Y=-11.200 Z=-0.224
121 X= 191.488 Y=-11.200 Z=-0.224
122 X= 196.488 Y=-11.200 Z=-0.224
123 X= 202.976 Y=-11.200 Z=-0.224
124 X= 1.019 Y=-2.800 Z=-0.056
125 X= 6.488 Y=-2.800 Z=-0.056
126 X= 11.488 Y=-2.800 Z=-0.056
127 X= 16.488 Y=-2.800 Z=-0.056
128 X= 21.488 Y=-2.800 Z=-0.056
129 X= 26.488 Y=-2.800 Z=-0.056
130 X= 31.488 Y=-2.800 Z=-0.056
131 X= 36.488 Y=-2.800 Z=-0.056
132 X= 41.488 Y=-2.800 Z=-0.056
133 X= 46.488 Y=-2.800 Z=-0.056
134 X= 50.469 Y=-2.800 Z=-0.056
135 X= 56.488 Y=-2.800 Z=-0.056
136 X= 61.488 Y=-2.800 Z=-0.056
137 X= 66.488 Y=-2.800 Z=-0.056
138 X= 71.488 Y=-2.800 Z=-0.056
139 X= 76.488 Y=-2.800 Z=-0.056

213 X= 99.122 Y=0.900 Z=-1.200
214 X= 99.778 Y=-0.900 Z=-1.200
215 X= 149.450 Y=0.000 Z=-1.200
216 X= 149.122 Y=0.900 Z=-1.200
217 X= 149.778 Y=-0.900 Z=-1.200
218 X= 198.900 Y=0.000 Z=-1.100
219 X= 198.572 Y=-0.900 Z=-1.100
220 X= 199.228 Y=0.900 Z=-1.100
221 X= 2.038 Y=-5.600 Z=-1.212
222 X= 1.711 Y=-4.700 Z=-1.212
223 X= 2.366 Y=-6.500 Z=-1.212
224 X= 51.488 Y=-5.600 Z=-1.312
225 X= 51.161 Y=-4.700 Z=-1.312
226 X= 51.816 Y=-6.500 Z=-1.312
227 X= 101.488 Y=-5.600 Z=-1.312
228 X= 101.161 Y=-4.700 Z=-1.312
229 X= 101.816 Y=-6.500 Z=-1.312
230 X= 151.488 Y=-5.600 Z=-1.312
231 X= 151.161 Y=-4.700 Z=-1.312
232 X= 151.816 Y=-6.500 Z=-1.312
233 X= 200.938 Y=-5.600 Z=-1.212
234 X= 200.611 Y=-4.700 Z=-1.212
235 X= 201.266 Y=-6.500 Z=-1.212
236 X= 4.076 Y=-11.200 Z=-1.424
237 X= 3.749 Y=-10.300 Z=-1.424
238 X= 4.404 Y=-12.100 Z=-1.424
239 X= 53.526 Y=-11.200 Z=-1.424
240 X= 53.199 Y=-10.300 Z=-1.424
241 X= 53.854 Y=-12.100 Z=-1.424
242 X= 103.526 Y=-11.200 Z=-1.424
243 X= 103.199 Y=-10.300 Z=-1.424
244 X= 103.854 Y=-12.100 Z=-1.424
245 X= 153.526 Y=-11.200 Z=-1.424
246 X= 153.199 Y=-10.300 Z=-1.424
247 X= 153.854 Y=-12.100 Z=-1.424
248 X= 202.976 Y=-11.200 Z=-1.324
249 X= 202.649 Y=-10.300 Z=-1.324
250 X= 203.304 Y=-12.100 Z=-1.324

LOCAL

ADD= 207 ANG=0.000
ADD= 208 ANG=-6.693
ADD= 210 ANG=0.000
ADD= 211 ANG=1.038
ADD= 213 ANG=0.000
ADD= 214 ANG=2.089
ADD= 216 ANG=20.000
ADD= 217 ANG=20.000
ADD= 219 ANG=2.113
ADD= 220 ANG=0.000
ADD= 222 ANG=2.176
ADD= 223 ANG=2.887
ADD= 225 ANG=3.272
ADD= 226 ANG=4.349
ADD= 228 ANG=6.660
ADD= 229 ANG=8.691
ADD= 231 ANG=20.000
ADD= 232 ANG=20.000
ADD= 234 ANG=-4.275
ADD= 235 ANG=-6.207
ADD= 237 ANG=4.406
ADD= 238 ANG=5.133
ADD= 240 ANG=6.660
ADD= 241 ANG=7.770
ADD= 243 ANG=13.706
ADD= 244 ANG=16.023
ADD= 246 ANG=20.000
ADD= 247 ANG=20.000
ADD= 249 ANG=-10.081
ADD= 250 ANG=-11.818

RESTRAINT

ADD= 207 DOF= U2, U3,

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ADD= 208 DCF= U2, U3,
ADD= 210 DCF= U2, U3,
ADD= 211 DCF= U2, U3,
ADD= 213 DCF= U2, U3,
ADD= 214 DCF= U2, U3,
ADD= 216 DCF= U1, U2, U3,
ADD= 217 DCF= U1, U2, U3,
ADD= 219 DCF= U2, U3,
ADD= 220 DCF= U2, U3,
ADD= 222 DCF= U3,
ADD= 223 DCF= U3,
ADD= 225 DCF= U3,
ADD= 226 DCF= U3,
ADD= 228 DCF= U3,
ADD= 229 DCF= U3,
ADD= 231 DCF= U1, U3,
ADD= 232 DCF= U1, U3,
ADD= 234 DCF= U3,
ADD= 235 DCF= U3,
ADD= 237 DCF= U3,
ADD= 238 DCF= U3,
ADD= 240 DCF= U3,
ADD= 241 DCF= U3,
ADD= 243 DCF= U3,
ADD= 244 DCF= U3,
ADD= 246 DCF= U1, U3,
ADD= 247 DCF= U1, U3,
ADD= 249 DCF= U3,
ADD= 250 DCF= U3,

MATERIAL

Name=1
E=2.05e+008
Name=2
E=2.05e+008
Name=3
E=2.05e+008
Name=4
E=2.05e+008
Name=5
E=2.05e+008
Name=6
E=2.05e+008
Name=7
E=2.05e+008
Name=8
E=2.05e+008
Name=9
E=2.05e+008
Name=10
E=2.05e+008
Name=11
E=2.05e+008
Name=12
E=2.05e+008
Name=13
E=2.05e+008
Name=14
E=2.05e+008
Name=15
E=2.05e+008
Name=16
E=2.05e+008
Name=17
E=2.05e+008
Name=18
E=2.05e+008
Name=19
E=2.05e+008
Name=20
E=2.05e+008
Name=21
E=2.05e+008

Name=22
E=2.05e+008
Name=23
E=2.05e+008
Name=24
E=2.05e+008
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E=2.05e+008
Name=26
E=2.05e+008
Name=27
E=2.05e+008
Name=28
E=2.05e+008
Name=29
E=2.05e+008
Name=30
E=2.05e+008
Name=31
E=2.05e+008
Name=32
E=2.05e+008
Name=33
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Name=34
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E=2.05e+008
Name=36
E=2.05e+008
Name=37
E=2.05e+008
Name=38
E=2.05e+008
Name=39
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.31459 I=0.24727653, 0.53729622 J=0.19969776 : GIRDER
Name= 2 Mat= 2 A=0.31939 I=0.29589229, 0.54433640 J=0.21784781 : GIRDER
Name= 3 Mat= 3 A=0.35107 I=0.35897424, 0.56308408 J=0.24065462 : GIRDER
Name= 4 Mat= 4 A=0.34579 I=0.34016850, 0.55995389 J=0.23503495 : GIRDER
Name= 5 Mat= 5 A=0.34051 I=0.33892024, 0.55684205 J=0.23414470 : GIRDER
Name= 6 Mat= 6 A=0.34681 I=0.36010260, 0.55959585 J=0.23414470 : GIRDER
Name= 7 Mat= 7 A=0.37747 I=0.42142417, 0.57866253 J=0.25228981 : GIRDER
Name= 8 Mat= 8 A=0.39559 I=0.45072292, 0.59110190 J=0.26491023 : GIRDER
Name= 9 Mat= 9 A=0.41971 I=0.50030660, 0.60323387 J=0.28907856 : GIRDER
Name= 10 Mat= 10 A=0.36377 I=0.42293358, 0.58140419 J=0.25228981 : GIRDER
Name= 11 Mat= 11 A=0.37747 I=0.40293527, 0.57866253 J=0.25228981 : GIRDER
Name= 12 Mat= 12 A=0.35635 I=0.32294144, 0.56620268 J=0.23064852 : GIRDER
Name= 13 Mat= 13 A=0.33523 I=0.31889337, 0.55371846 J=0.22754167 : GIRDER
Name= 14 Mat= 14 A=0.34153 I=0.34057531, 0.55647433 J=0.22754167 : GIRDER
Name= 15 Mat= 15 A=0.33523 I=0.33951548, 0.55371846 J=0.22754167 : GIRDER
Name= 16 Mat= 16 A=0.35107 I=0.39599159, 0.56308408 J=0.24451197 : GIRDER
Name= 17 Mat= 17 A=0.36691 I=0.40128290, 0.57243539 J=0.24722815 : GIRDER
Name= 18 Mat= 18 A=0.36163 I=0.34375335, 0.56931976 J=0.23741048 : GIRDER
Name= 19 Mat= 19 A=0.33523 I=0.29881280, 0.55371846 J=0.22338904 : GIRDER
Name= 20 Mat= 20 A=0.32804 I=0.25120837, 0.63293175 J=0.19369776 : GIRDER
Name= 21 Mat= 21 A=0.33284 I=0.30063847, 0.63991310 J=0.21784781 : GIRDER
Name= 22 Mat= 22 A=0.36452 I=0.36589163, 0.65831284 J=0.24065462 : GIRDER
Name= 23 Mat= 23 A=0.35396 I=0.34445691, 0.65217859 J=0.23414470 : GIRDER
Name= 24 Mat= 24 A=0.39722 I=0.42996612, 0.67634596 J=0.25228981 : GIRDER
Name= 25 Mat= 25 A=0.39092 I=0.42863739, 0.67364596 J=0.25228981 : GIRDER
Name= 26 Mat= 26 A=0.41204 I=0.49997920, 0.68591246 J=0.26491023 : GIRDER
Name= 27 Mat= 27 A=0.43316 I=0.50883195, 0.69817895 J=0.26807856 : GIRDER
Name= 28 Mat= 28 A=0.39592 I=0.40943339, 0.67364596 J=0.25228981 : GIRDER
Name= 29 Mat= 29 A=0.34868 I=0.32377467, 0.64911297 J=0.22754167 : GIRDER
Name= 30 Mat= 30 A=0.35498 I=0.34618184, 0.65180107 J=0.22754167 : GIRDER
Name= 31 Mat= 31 A=0.34868 I=0.34524729, 0.64911297 J=0.22754167 : GIRDER
Name= 32 Mat= 32 A=0.36452 I=0.40332636, 0.65831284 J=0.24451197 : GIRDER
Name= 33 Mat= 33 A=0.39036 I=0.40814200, 0.68751271 J=0.24722815 : GIRDER
Name= 34 Mat= 34 A=0.36980 I=0.40334032, 0.68137547 J=0.24666338 : GIRDER
Name= 35 Mat= 35 A=0.39859 I=0.42844835, 0.59110190 J=0.25521023 : GIRDER

Name= 36 Mat= 36 A=0.35107 I=0.34335266, 0.56308408 J=0.22933698 : GIRDER
Name= 37 Mat= 37 A=0.02220 I=0.00529551, 0.00005419 J=0.00000109 : CROSSBEAM
Name= 38 Mat= 38 A=0.01820 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 39 Mat= 39 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 40 Type=Nonpr Sec= 1, 2 Evar=2,1
Name= 41 Type=Nonpr Sec= 2, 1
Name= 42 Type=Nonpr Sec= 2, 3
Name= 43 Type=Nonpr Sec= 3, 4
Name= 44 Type=Nonpr Sec= 3, 17
Name= 45 Type=Nonpr Sec= 3, 19
Name= 46 Type=Nonpr Sec= 4, 5
Name= 47 Type=Nonpr Sec= 4, 16
Name= 48 Type=Nonpr Sec= 5, 3
Name= 49 Type=Nonpr Sec= 5, 6
Name= 50 Type=Nonpr Sec= 6, 7
Name= 51 Type=Nonpr Sec= 6, 8
Name= 52 Type=Nonpr Sec= 6, 9
Name= 53 Type=Nonpr Sec= 7, 8
Name= 54 Type=Nonpr Sec= 8, 6
Name= 55 Type=Nonpr Sec= 8, 9
Name= 56 Type=Nonpr Sec= 9, 4
Name= 57 Type=Nonpr Sec= 9, 6
Name= 58 Type=Nonpr Sec= 9, 10
Name= 59 Type=Nonpr Sec= 9, 35
Name= 60 Type=Nonpr Sec= 10, 7
Name= 61 Type=Nonpr Sec= 10, 11
Name= 62 Type=Nonpr Sec= 10, 18
Name= 63 Type=Nonpr Sec= 11, 9
Name= 64 Type=Nonpr Sec= 11, 12
Name= 65 Type=Nonpr Sec= 11, 13
Name= 66 Type=Nonpr Sec= 12, 11
Name= 67 Type=Nonpr Sec= 12, 13
Name= 68 Type=Nonpr Sec= 13, 10
Name= 69 Type=Nonpr Sec= 13, 12
Name= 70 Type=Nonpr Sec= 13, 14
Name= 71 Type=Nonpr Sec= 14, 13
Name= 72 Type=Nonpr Sec= 14, 15
Name= 73 Type=Nonpr Sec= 15, 12
Name= 74 Type=Nonpr Sec= 15, 13
Name= 75 Type=Nonpr Sec= 15, 16
Name= 76 Type=Nonpr Sec= 16, 3
Name= 77 Type=Nonpr Sec= 16, 17
Name= 78 Type=Nonpr Sec= 17, 1
Name= 79 Type=Nonpr Sec= 17, 2
Name= 80 Type=Nonpr Sec= 17, 14
Name= 81 Type=Nonpr Sec= 17, 36
Name= 82 Type=Nonpr Sec= 18, 5
Name= 83 Type=Nonpr Sec= 18, 19
Name= 84 Type=Nonpr Sec= 19, 1
Name= 85 Type=Nonpr Sec= 19, 2
Name= 86 Type=Nonpr Sec= 19, 18
Name= 87 Type=Nonpr Sec= 19, 20
Name= 88 Type=Nonpr Sec= 20, 19
Name= 89 Type=Nonpr Sec= 20, 21
Name= 90 Type=Nonpr Sec= 21, 20
Name= 91 Type=Nonpr Sec= 21, 22
Name= 92 Type=Nonpr Sec= 22, 21
Name= 93 Type=Nonpr Sec= 22, 23
Name= 94 Type=Nonpr Sec= 22, 25
Name= 95 Type=Nonpr Sec= 23, 22
Name= 96 Type=Nonpr Sec= 23, 24
Name= 97 Type=Nonpr Sec= 24, 23
Name= 98 Type=Nonpr Sec= 24, 25
Name= 99 Type=Nonpr Sec= 24, 28
Name= 100 Type=Nonpr Sec= 25, 24
Name= 101 Type=Nonpr Sec= 25, 26
Name= 102 Type=Nonpr Sec= 26, 27
Name= 103 Type=Nonpr Sec= 26, 30
Name= 104 Type=Nonpr Sec= 27, 25
Name= 105 Type=Nonpr Sec= 27, 26
Name= 106 Type=Nonpr Sec= 27, 28
Name= 107 Type=Nonpr Sec= 28, 27
Name= 108 Type=Nonpr Sec= 28, 29

Name= 109 Type=Nonpr Sec= 29, 28
Name= 110 Type=Nonpr Sec= 29, 30
Name= 111 Type=Nonpr Sec= 29, 34
Name= 112 Type=Nonpr Sec= 30, 22
Name= 113 Type=Nonpr Sec= 30, 29
Name= 114 Type=Nonpr Sec= 30, 31
Name= 115 Type=Nonpr Sec= 31, 30
Name= 116 Type=Nonpr Sec= 31, 32
Name= 117 Type=Nonpr Sec= 32, 33
Name= 118 Type=Nonpr Sec= 33, 31
Name= 119 Type=Nonpr Sec= 34, 24
Name= 120 Type=Nonpr Sec= 35, 10
Name= 121 Type=Nonpr Sec= 36, 14

FRAME

1 J= 1, 2 Sec=40 Local=12 Pdir=+Z, +X NSEG=4
2 J= 2, 3 Sec=42
3 J= 3, 4 Sec= 3
4 J= 4, 5 Sec=43
5 J= 5, 6 Sec=46
6 J= 6, 7 Sec=49
7 J= 7, 8 Sec=50
8 J= 8, 9 Sec=53
9 J= 9, 10 Sec=55
10 J= 10, 11 Sec= 9
11 J= 11, 12 Sec=58
12 J= 12, 13 Sec=61
13 J= 13, 14 Sec=64
14 J= 14, 15 Sec=67
15 J= 15, 16 Sec=13
16 J= 16, 17 Sec=70
17 J= 17, 18 Sec=72
18 J= 18, 19 Sec=75
19 J= 19, 20 Sec=77
20 J= 20, 21 Sec=17
21 J= 21, 22 Sec=80
22 J= 22, 23 Sec=71
23 J= 23, 24 Sec=13
24 J= 24, 25 Sec=13
25 J= 25, 26 Sec=13
26 J= 26, 27 Sec=68
27 J= 27, 28 Sec=60
28 J= 28, 29 Sec=53
29 J= 29, 30 Sec=55
30 J= 30, 31 Sec= 9
31 J= 31, 32 Sec=58
32 J= 32, 33 Sec=62
33 J= 33, 34 Sec=82
34 J= 34, 35 Sec= 5
35 J= 35, 36 Sec=48
36 J= 36, 37 Sec= 3
37 J= 37, 38 Sec=45
38 J= 38, 39 Sec=85
39 J= 39, 40 Sec=41
40 J= 40, 41 Sec= 1
41 J= 42, 43 Sec=69
42 J= 43, 44 Sec=91
43 J= 44, 45 Sec=22
44 J= 45, 46 Sec=22
45 J= 46, 47 Sec=93
46 J= 47, 48 Sec=23
47 J= 48, 49 Sec=96
48 J= 49, 50 Sec=98
49 J= 50, 51 Sec=101
50 J= 51, 52 Sec=102
51 J= 52, 53 Sec=104
52 J= 53, 54 Sec=100
53 J= 54, 55 Sec=99
54 J= 55, 56 Sec=108
55 J= 56, 57 Sec=29
56 J= 57, 58 Sec=29
57 J= 58, 59 Sec=110
58 J= 59, 60 Sec=114

- 121 -

- 122 -

- 123 -

- 124 -

351 J=191, 192 Sec=38
 352 J=192, 193 Sec=38
 353 J=193, 194 Sec=38
 354 J=194, 195 Sec=38
 355 J=195, 196 Sec=38
 356 J=196, 197 Sec=38
 357 J=197, 198 Sec=38
 358 J=198, 199 Sec=38
 359 J=199, 200 Sec=38
 360 J=200, 201 Sec=38
 361 J=201, 202 Sec=38
 362 J=202, 203 Sec=38
 363 J=203, 204 Sec=38
 364 J=204, 205 Sec=38
 365 J= 1, 206 Sec=39
 366 J=207, 206 Sec=39
 367 J=208, 206 Sec=39
 368 J= 11, 209 Sec=39
 369 J=210, 209 Sec=39
 370 J=211, 209 Sec=39
 371 J= 21, 212 Sec=39
 372 J=213, 212 Sec=39
 373 J=214, 212 Sec=39
 374 J= 31, 215 Sec=39
 375 J=216, 215 Sec=39
 376 J=217, 215 Sec=39
 377 J= 41, 218 Sec=39
 378 J=219, 218 Sec=39
 379 J=220, 218 Sec=39
 380 J= 42, 221 Sec=39
 381 J=222, 221 Sec=39
 382 J=223, 221 Sec=39
 383 J= 52, 224 Sec=39
 384 J=225, 224 Sec=39
 385 J=226, 224 Sec=39
 386 J= 62, 227 Sec=39
 387 J=228, 227 Sec=39
 388 J=229, 227 Sec=39
 389 J= 72, 230 Sec=39
 390 J=231, 230 Sec=39
 391 J=232, 230 Sec=39
 392 J= 82, 233 Sec=39
 393 J=234, 233 Sec=39
 394 J=235, 233 Sec=39
 395 J= 83, 236 Sec=39
 396 J=237, 236 Sec=39
 397 J=238, 236 Sec=39
 398 J= 93, 239 Sec=39
 399 J=240, 239 Sec=39
 400 J=241, 239 Sec=39
 401 J=103, 242 Sec=39
 402 J=243, 242 Sec=39
 403 J=244, 242 Sec=39
 404 J=113, 245 Sec=39
 405 J=246, 245 Sec=39
 406 J=247, 245 Sec=39
 407 J=123, 248 Sec=39
 408 J=249, 248 Sec=39
 409 J=250, 248 Sec=39

LOAD
 Name=A1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=207 Uz=-0.010
 Add=208 Uz=-0.010
 Add=222 Uz=-0.010
 Add=223 Uz=-0.010
 Add=237 Uz=-0.010
 Add=238 Uz=-0.010

Name=P1 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=210 Uz=-0.010

Add=211 Uz=-0.010
 Add=225 Uz=-0.010
 Add=226 Uz=-0.010
 Add=240 Uz=-0.010
 Add=241 Uz=-0.010

Name=P2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=213 Uz=-0.010
 Add=214 Uz=-0.010
 Add=228 Uz=-0.010
 Add=229 Uz=-0.010
 Add=243 Uz=-0.010
 Add=244 Uz=-0.010

Name=P3 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=216 Uz=-0.010
 Add=217 Uz=-0.010
 Add=231 Uz=-0.010
 Add=232 Uz=-0.010
 Add=246 Uz=-0.010
 Add=247 Uz=-0.010

Name=A2 : UNEQUAL SETTLEMENT
 Type=RESTRAINT DISPLACEMENT
 Add=219 Uz=-0.010
 Add=220 Uz=-0.010
 Add=234 Uz=-0.010
 Add=235 Uz=-0.010
 Add=249 Uz=-0.010
 Add=250 Uz=-0.010

COMBO
 Name=2N1 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000

Name=2N2 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P2 sf=1.000

Name=2N3 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P3 sf=1.000

Name=2N4 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=A2 sf=1.000

Name=2N5 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000

Name=2N6 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P3 sf=1.000

Name=2N7 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=A2 sf=1.000

Name=2N8 Type=ENVE :
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000

Name=2N9 Type=ENVE :
 LOAD=P2 sf=1.000
 LOAD=A2 sf=1.000

Name=2N10 Type=ENVE :
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=3N1 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000

Name=3N2 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P3 sf=1.000

Name=3N3 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=A2 sf=1.000

Name=3N4 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000

Name=3N5 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=A2 sf=1.000

Name=3N6 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=3N7 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000

Name=3N8 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=A2 sf=1.000

Name=3N9 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=3N10 Type=ENVE :
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=4N1 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000

Name=4N2 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=A2 sf=1.000

Name=4N3 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=4N4 Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000

LOAD=A2 sf=1.000

Name=4N5 Type=ENVE :
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000

Name=2N Type=ENVE :
 COMB=2N1 sf=1.000
 COMB=2N2 sf=1.000
 COMB=2N3 sf=1.000
 COMB=2N4 sf=1.000
 COMB=2N5 sf=1.000
 COMB=2N6 sf=1.000
 COMB=2N7 sf=1.000
 COMB=2N8 sf=1.000
 COMB=2N9 sf=1.000
 COMB=2N10 sf=1.000

Name=3N Type=ENVE :
 COMB=3N1 sf=1.000
 COMB=3N2 sf=1.000
 COMB=3N3 sf=1.000
 COMB=3N4 sf=1.000
 COMB=3N5 sf=1.000
 COMB=3N6 sf=1.000
 COMB=3N7 sf=1.000
 COMB=3N8 sf=1.000
 COMB=3N9 sf=1.000
 COMB=3N10 sf=1.000

Name=4N Type=ENVE :
 COMB=4N1 sf=1.000
 COMB=4N2 sf=1.000
 COMB=4N3 sf=1.000
 COMB=4N4 sf=1.000
 COMB=4N5 sf=1.000

Name=SETTLE Type=ENVE :
 LOAD=A1 sf=1.000
 LOAD=P1 sf=1.000
 LOAD=P2 sf=1.000
 LOAD=P3 sf=1.000
 LOAD=A2 sf=1.000
 COMB=2N sf=1.000
 COMB=3N sf=1.000
 COMB=4N sf=1.000

OUTPUT
 ELEM=JOINT TYPE=DISP,REAC LOAD=> COMB=>
 ELEM=FRAME TYPE=FORCE LOAD=> COMB=>