

■ 일양강교

1) 형상전

< BEFORE COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.288 Y=0.000 Z=0.000
3 X= 9.288 Y=0.000 Z=0.000
4 X= 14.288 Y=0.000 Z=0.000
5 X= 19.288 Y=0.000 Z=0.000
6 X= 24.288 Y=0.000 Z=0.000
7 X= 29.288 Y=0.000 Z=0.000
8 X= 34.288 Y=0.000 Z=0.000
9 X= 39.288 Y=0.000 Z=0.000
10 X= 44.288 Y=0.000 Z=0.000
11 X= 49.288 Y=0.000 Z=0.000
12 X= 54.288 Y=0.000 Z=0.000
13 X= 59.288 Y=0.000 Z=0.000
14 X= 64.288 Y=0.000 Z=0.000
15 X= 69.288 Y=0.000 Z=0.000
16 X= 74.288 Y=0.000 Z=0.000
17 X= 79.288 Y=0.000 Z=0.000
18 X= 84.288 Y=0.000 Z=0.000
19 X= 89.288 Y=0.000 Z=0.000
20 X= 94.288 Y=0.000 Z=0.000
21 X= 99.288 Y=0.000 Z=0.000
22 X= 104.288 Y=0.000 Z=0.000
23 X= 109.288 Y=0.000 Z=0.000
24 X= 114.288 Y=0.000 Z=0.000
25 X= 119.288 Y=0.000 Z=0.000
26 X= 124.288 Y=0.000 Z=0.000
27 X= 129.288 Y=0.000 Z=0.000
28 X= 134.288 Y=0.000 Z=0.000
29 X= 139.288 Y=0.000 Z=0.000
30 X= 144.288 Y=0.000 Z=0.000
31 X= 149.288 Y=0.000 Z=0.000
32 X= 154.288 Y=0.000 Z=0.000
33 X= 159.288 Y=0.000 Z=0.000
34 X= 164.288 Y=0.000 Z=0.000
35 X= 169.288 Y=0.000 Z=0.000
36 X= 174.288 Y=0.000 Z=0.000
37 X= 179.288 Y=0.000 Z=0.000
38 X= 184.288 Y=0.000 Z=0.000
39 X= 189.288 Y=0.000 Z=0.000
40 X= 194.288 Y=0.000 Z=0.000
41 X= 199.288 Y=0.000 Z=0.000
42 X= 204.288 Y=0.000 Z=0.000
43 X= 209.288 Y=0.000 Z=0.000
44 X= 214.288 Y=0.000 Z=0.000
45 X= 219.288 Y=0.000 Z=0.000
46 X= 224.288 Y=0.000 Z=0.000
47 X= 229.288 Y=0.000 Z=0.000
48 X= 234.288 Y=0.000 Z=0.000
49 X= 239.288 Y=0.000 Z=0.000
50 X= 244.288 Y=0.000 Z=0.000
51 X= 248.675 Y=0.000 Z=0.000
52 X= 0.000 Y=-7.700 Z=-0.154
53 X= 4.288 Y=-7.700 Z=-0.154
54 X= 9.288 Y=-7.700 Z=-0.154
55 X= 14.288 Y=-7.700 Z=-0.154
56 X= 19.288 Y=-7.700 Z=-0.154
57 X= 24.288 Y=-7.700 Z=-0.154
58 X= 29.288 Y=-7.700 Z=-0.154
59 X= 34.288 Y=-7.700 Z=-0.154
60 X= 39.288 Y=-7.700 Z=-0.154
61 X= 44.288 Y=-7.700 Z=-0.154
62 X= 49.288 Y=-7.700 Z=-0.154
63 X= 54.288 Y=-7.700 Z=-0.154
64 X= 59.288 Y=-7.700 Z=-0.154

- 1 -

138 X= 174.288 Y=-3.850 Z=-0.077
139 X= 179.288 Y=-3.850 Z=-0.077
140 X= 184.288 Y=-3.850 Z=-0.077
141 X= 189.288 Y=-3.850 Z=-0.077
142 X= 194.288 Y=-3.850 Z=-0.077
143 X= 199.288 Y=-3.850 Z=-0.077
144 X= 204.288 Y=-3.850 Z=-0.077
145 X= 209.288 Y=-3.850 Z=-0.077
146 X= 214.288 Y=-3.850 Z=-0.077
147 X= 219.288 Y=-3.850 Z=-0.077
148 X= 224.288 Y=-3.850 Z=-0.077
149 X= 229.288 Y=-3.850 Z=-0.077
150 X= 234.288 Y=-3.850 Z=-0.077
151 X= 239.288 Y=-3.850 Z=-0.077
152 X= 244.288 Y=-3.850 Z=-0.077
153 X= 248.675 Y=-3.850 Z=-0.077
154 X= 0.000 Y=0.000 Z=-1.165
155 X= 0.000 Y=0.900 Z=-1.165
156 X= 0.000 Y=-0.900 Z=-1.165
157 X= 49.288 Y=0.000 Z=-1.250
158 X= 49.288 Y=0.900 Z=-1.250
159 X= 49.288 Y=-0.900 Z=-1.250
160 X= 99.288 Y=0.000 Z=-1.250
161 X= 99.288 Y=0.900 Z=-1.250
162 X= 99.288 Y=-0.900 Z=-1.250
163 X= 149.288 Y=0.000 Z=-1.250
164 X= 149.288 Y=0.900 Z=-1.250
165 X= 149.288 Y=-0.900 Z=-1.250
166 X= 199.288 Y=0.000 Z=-1.250
167 X= 199.288 Y=0.900 Z=-1.250
168 X= 199.288 Y=-0.900 Z=-1.250
169 X= 248.675 Y=0.000 Z=-1.165
170 X= 248.675 Y=0.900 Z=-1.165
171 X= 248.675 Y=-0.900 Z=-1.165
172 X= 0.000 Y=-7.700 Z=-1.319
173 X= 0.000 Y=-6.800 Z=-1.319
174 X= 0.000 Y=-6.800 Z=-1.319
175 X= 49.288 Y=-7.700 Z=-1.404
176 X= 49.288 Y=-6.800 Z=-1.404
177 X= 49.288 Y=-6.800 Z=-1.404
178 X= 99.288 Y=-7.700 Z=-1.404
179 X= 99.288 Y=-6.800 Z=-1.404
180 X= 99.288 Y=-6.800 Z=-1.404
181 X= 149.288 Y=-7.700 Z=-1.404
182 X= 149.288 Y=-6.800 Z=-1.404
183 X= 149.288 Y=-6.800 Z=-1.404
184 X= 199.288 Y=-7.700 Z=-1.404
185 X= 199.288 Y=-6.800 Z=-1.404
186 X= 199.288 Y=-6.800 Z=-1.404
187 X= 248.675 Y=-7.700 Z=-1.319
188 X= 248.675 Y=-6.800 Z=-1.319
189 X= 248.675 Y=-6.800 Z=-1.319

LOCAL

ADD= 155 ANG=-4.435
ADD= 156 ANG=-3.401
ADD= 158 ANG=-6.755
ADD= 159 ANG=-6.730
ADD= 161 ANG=0.000
ADD= 162 ANG=0.000
ADD= 164 ANG=6.755
ADD= 165 ANG=6.730
ADD= 167 ANG=4.403
ADD= 168 ANG=3.377
ADD= 170 ANG=2.951
ADD= 171 ANG=2.262
ADD= 173 ANG=0.000
ADD= 174 ANG=0.000
ADD= 176 ANG=0.000
ADD= 177 ANG=0.000
ADD= 179 ANG=0.000
ADD= 180 ANG=0.000
ADD= 182 ANG=0.000

65 X= 64.288 Y=-7.700 Z=-0.154
66 X= 69.288 Y=-7.700 Z=-0.154
67 X= 74.288 Y=-7.700 Z=-0.154
68 X= 79.288 Y=-7.700 Z=-0.154
69 X= 84.288 Y=-7.700 Z=-0.154
70 X= 89.288 Y=-7.700 Z=-0.154
71 X= 94.288 Y=-7.700 Z=-0.154
72 X= 99.288 Y=-7.700 Z=-0.154
73 X= 104.288 Y=-7.700 Z=-0.154
74 X= 109.288 Y=-7.700 Z=-0.154
75 X= 114.288 Y=-7.700 Z=-0.154
76 X= 119.288 Y=-7.700 Z=-0.154
77 X= 124.288 Y=-7.700 Z=-0.154
78 X= 129.288 Y=-7.700 Z=-0.154
79 X= 134.288 Y=-7.700 Z=-0.154
80 X= 139.288 Y=-7.700 Z=-0.154
81 X= 144.288 Y=-7.700 Z=-0.154
82 X= 149.288 Y=-7.700 Z=-0.154
83 X= 154.288 Y=-7.700 Z=-0.154
84 X= 159.288 Y=-7.700 Z=-0.154
85 X= 164.288 Y=-7.700 Z=-0.154
86 X= 169.288 Y=-7.700 Z=-0.154
87 X= 174.288 Y=-7.700 Z=-0.154
88 X= 179.288 Y=-7.700 Z=-0.154
89 X= 184.288 Y=-7.700 Z=-0.154
90 X= 189.288 Y=-7.700 Z=-0.154
91 X= 194.288 Y=-7.700 Z=-0.154
92 X= 199.288 Y=-7.700 Z=-0.154
93 X= 204.288 Y=-7.700 Z=-0.154
94 X= 209.288 Y=-7.700 Z=-0.154
95 X= 214.288 Y=-7.700 Z=-0.154
96 X= 219.288 Y=-7.700 Z=-0.154
97 X= 224.288 Y=-7.700 Z=-0.154
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99 X= 234.288 Y=-7.700 Z=-0.154
100 X= 239.288 Y=-7.700 Z=-0.154
101 X= 244.288 Y=-7.700 Z=-0.154
102 X= 248.675 Y=-7.700 Z=-0.154
103 X= 0.000 Y=-3.850 Z=-0.077
104 X= 4.288 Y=-3.850 Z=-0.077
105 X= 9.288 Y=-3.850 Z=-0.077
106 X= 14.288 Y=-3.850 Z=-0.077
107 X= 19.288 Y=-3.850 Z=-0.077
108 X= 24.288 Y=-3.850 Z=-0.077
109 X= 29.288 Y=-3.850 Z=-0.077
110 X= 34.288 Y=-3.850 Z=-0.077
111 X= 39.288 Y=-3.850 Z=-0.077
112 X= 44.288 Y=-3.850 Z=-0.077
113 X= 49.288 Y=-3.850 Z=-0.077
114 X= 54.288 Y=-3.850 Z=-0.077
115 X= 59.288 Y=-3.850 Z=-0.077
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117 X= 69.288 Y=-3.850 Z=-0.077
118 X= 74.288 Y=-3.850 Z=-0.077
119 X= 79.288 Y=-3.850 Z=-0.077
120 X= 84.288 Y=-3.850 Z=-0.077
121 X= 89.288 Y=-3.850 Z=-0.077
122 X= 94.288 Y=-3.850 Z=-0.077
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129 X= 129.288 Y=-3.850 Z=-0.077
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132 X= 144.288 Y=-3.850 Z=-0.077
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134 X= 154.288 Y=-3.850 Z=-0.077
135 X= 159.288 Y=-3.850 Z=-0.077
136 X= 164.288 Y=-3.850 Z=-0.077
137 X= 169.288 Y=-3.850 Z=-0.077

- 2 -

ADD= 183 ANG=0.000
ADD= 185 ANG=0.000
ADD= 186 ANG=0.000
ADD= 188 ANG=0.000
ADD= 189 ANG=0.000

RESTRAINT

ADD= 155 DOF= U3,
ADD= 156 DOF= U3,
ADD= 158 DOF= U3,
ADD= 159 DOF= U3,
ADD= 161 DOF= U1, U3,
ADD= 162 DOF= U1, U3,
ADD= 164 DOF= U3,
ADD= 165 DOF= U3,
ADD= 167 DOF= U3,
ADD= 168 DOF= U3,
ADD= 170 DOF= U3,
ADD= 171 DOF= U3,
ADD= 173 DOF= U2, U3,
ADD= 174 DOF= U2, U3,
ADD= 176 DOF= U2, U3,
ADD= 177 DOF= U2, U3,
ADD= 179 DOF= U1, U2, U3,
ADD= 180 DOF= U1, U2, U3,
ADD= 182 DOF= U2, U3,
ADD= 183 DOF= U2, U3,
ADD= 185 DOF= U2, U3,
ADD= 186 DOF= U2, U3,
ADD= 188 DOF= U2, U3,
ADD= 189 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

FRAME SECTION

Name= 1 Mat= 1 A=0.12780 I=0.12725215 0.13711370 J=0.15926081 : GIRDER
Name= 2 Mat= 2 A=0.13120 I=0.14852714 0.14335621 J=0.17727419 : GIRDER
Name= 3 Mat= 3 A=0.15472 I=0.18454963 0.16229767 J=0.20085843 : GIRDER
Name= 4 Mat= 4 A=0.16648 I=0.20555567 0.16978940 J=0.21946679 : GIRDER
Name= 5 Mat= 5 A=0.14604 I=0.17062269 0.15272195 J=0.18540098 : GIRDER
Name= 6 Mat= 6 A=0.22940 I=0.29487124 0.22540989 J=0.29393105 : GIRDER
Name= 7 Mat= 7 A=0.13120 I=0.14852714 0.14335621 J=0.17727419 : GIRDER
Name= 8 Mat= 8 A=0.13708 I=0.15894000 0.14759158 J=0.18540098 : GIRDER
Name= 9 Mat= 9 A=0.14018 I=0.16164923 0.14848659 J=0.17727419 : GIRDER
Name= 10 Mat= 10 A=0.16060 I=0.19423326 0.16453303 J=0.21457718 : GIRDER

- 3 -

- 4 -

Name= 11 Mat= 11 A=0.21764 I=0.27570965, 0.21693916 J=0.28514040 : GIRDER
Name= 12 Mat= 12 A=0.02400 I=0.00632363, 0.00005420 J=0.00000115 : CROSSBEAM
Name= 13 Mat= 13 A=0.01920 I=0.00284355, 0.00005414 J=0.00000092 : STRINGER
Name= 14 Mat= 14 A=10.00000 I=10.00000000, 10.00000000 J=10.00000000 : SHOE
Name= 15 Type=Nonpr Sec= 1, 2 Elvar=2.1
Name= 16 Type=Nonpr Sec= 2, 1
Name= 17 Type=Nonpr Sec= 2, 3
Name= 18 Type=Nonpr Sec= 3, 2
Name= 19 Type=Nonpr Sec= 3, 4
Name= 20 Type=Nonpr Sec= 4, 3
Name= 21 Type=Nonpr Sec= 4, 5
Name= 22 Type=Nonpr Sec= 5, 4
Name= 23 Type=Nonpr Sec= 5, 6
Name= 24 Type=Nonpr Sec= 5, 7
Name= 25 Type=Nonpr Sec= 5, 8
Name= 26 Type=Nonpr Sec= 6, 5
Name= 27 Type=Nonpr Sec= 6, 7
Name= 28 Type=Nonpr Sec= 7, 5
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Name= 30 Type=Nonpr Sec= 8, 5
Name= 31 Type=Nonpr Sec= 8, 9
Name= 32 Type=Nonpr Sec= 9, 8
Name= 33 Type=Nonpr Sec= 9, 10
Name= 34 Type=Nonpr Sec= 10, 9
Name= 35 Type=Nonpr Sec= 10, 11
Name= 36 Type=Nonpr Sec= 11, 10

FRAME

1 J= 1, 2 Sec=15 Local=12 Pldir=+Z, X NSEG=4
2 J= 2, 3 Sec=17
3 J= 3, 4 Sec=19
4 J= 4, 5 Sec=4
5 J= 5, 6 Sec= 4
6 J= 6, 7 Sec= 4
7 J= 7, 8 Sec= 4
8 J= 8, 9 Sec=21
9 J= 9, 10 Sec=23
10 J= 10, 11 Sec= 6
11 J= 11, 12 Sec= 6
12 J= 12, 13 Sec=27
13 J= 13, 14 Sec=28
14 J= 14, 15 Sec=25
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16 J= 16, 17 Sec= 8
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18 J= 18, 19 Sec=31
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34 J= 34, 35 Sec= 8
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36 J= 36, 37 Sec= 8
37 J= 37, 38 Sec=30
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39 J= 39, 40 Sec=29
40 J= 40, 41 Sec= 6
41 J= 41, 42 Sec= 6
42 J= 42, 43 Sec=26
43 J= 43, 44 Sec=22
44 J= 44, 45 Sec= 4
45 J= 45, 46 Sec=22

46 J= 46, 47 Sec= 4
47 J= 47, 48 Sec= 4
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87 J= 88, 89 Sec=30
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91 J= 92, 93 Sec= 6
92 J= 93, 94 Sec=26
93 J= 94, 95 Sec=22
94 J= 95, 96 Sec= 4
95 J= 96, 97 Sec= 4
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97 J= 98, 99 Sec= 4
98 J= 99, 100 Sec=20
99 J=100, 101 Sec=18
100 J=101, 102 Sec=16
101 J= 1, 103 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
102 J=103, 52 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
103 J= 2, 104 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
104 J=104, 53 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
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108 J=106, 55 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
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117 J= 9, 111 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
118 J=111, 60 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0

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146 J=125, 74 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
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162 J=133, 82 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
163 J= 32, 134 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
164 J=134, 83 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
165 J= 33, 135 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
166 J=135, 84 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
167 J= 34, 136 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
168 J=136, 85 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
169 J= 35, 137 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
170 J=137, 86 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
171 J= 36, 138 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
172 J=138, 87 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
173 J= 37, 139 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
174 J=139, 88 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
175 J= 38, 140 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
176 J=140, 89 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
177 J= 39, 141 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
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179 J= 40, 142 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
180 J=142, 91 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
181 J= 41, 143 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
182 J=143, 92 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
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185 J= 43, 145 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
186 J=145, 94 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
187 J= 44, 146 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
188 J=146, 95 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
189 J= 45, 147 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
190 J=147, 96 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
191 J= 46, 148 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0

192 J=148, 97 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
193 J= 47, 149 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
194 J=149, 98 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
195 J= 48, 150 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
196 J=150, 99 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
197 J= 49, 151 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
198 J=151, 100 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
199 J= 50, 152 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
200 J=152, 101 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
201 J= 51, 153 Sec=12 IOFF=1.350 JOFF=0.000 RIGID=1.0
202 J=153, 102 Sec=12 IOFF=0.000 JOFF=1.350 RIGID=1.0
203 J=103, 104 Sec=13
204 J=104, 105 Sec=13
205 J=105, 106 Sec=13
206 J=106, 107 Sec=13
207 J=107, 108 Sec=13
208 J=108, 109 Sec=13
209 J=109, 110 Sec=13
210 J=110, 111 Sec=13
211 J=111, 112 Sec=13
212 J=112, 113 Sec=13
213 J=113, 114 Sec=13
214 J=114, 115 Sec=13
215 J=115, 116 Sec=13
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248 J=148, 149 Sec=13
249 J=149, 150 Sec=13
250 J=150, 151 Sec=13
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252 J=152, 153 Sec=13
253 J= 1, 154 Sec=14
254 J=155, 154 Sec=14
255 J=156, 154 Sec=14
256 J= 11, 157 Sec=14
257 J=158, 157 Sec=14
258 J=159, 157 Sec=14
259 J= 21, 160 Sec=14
260 J=161, 160 Sec=14
261 J=162, 160 Sec=14
262 J= 31, 163 Sec=14
263 J=164, 163 Sec=14
264 J=165, 163 Sec=14

LOAD	Name=STEEL : STEEL SELF-WEIGHT LOAD
Type=Distributed Span	
Add= 1 RD=0.00, 1.000	Uzpp=-15.368, -17.605
Add= 2 RD=0.00, 1.000	Uzpp=-15.777, -18.777
Add= 3 RD=0.00, 1.000	Uzpp=-18.605, -20.019
Add= 4 RD=0.00, 1.000	Uzpp=-20.019, -20.019
Add= 5 RD=0.00, 1.000	Uzpp=-20.019, -20.019
Add= 6 RD=0.00, 1.000	Uzpp=-20.019, -20.019
Add= 7 RD=0.00, 1.000	Uzpp=-20.019, -20.019
Add= 8 RD=0.00, 1.000	Uzpp=-20.019, -17.561
Add= 9 RD=0.00, 1.000	Uzpp=-17.561, -27.585
Add= 10 RD=0.00, 1.000	Uzpp=-27.585, -27.585
Add= 11 RD=0.00, 1.000	Uzpp=-27.585, -17.561
Add= 12 RD=0.00, 1.000	Uzpp=-27.585, -17.561
Add= 13 RD=0.00, 1.000	Uzpp=-17.561, -17.561
Add= 14 RD=0.00, 1.000	Uzpp=-15.777, -16.484
Add= 15 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 16 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 17 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 18 RD=0.00, 1.000	Uzpp=-16.484, -16.854
Add= 19 RD=0.00, 1.000	Uzpp=-16.854, -19.312
Add= 20 RD=0.00, 1.000	Uzpp=-19.312, -26.171
Add= 21 RD=0.00, 1.000	Uzpp=-26.171, -19.312
Add= 22 RD=0.00, 1.000	Uzpp=-19.312, -16.854
Add= 23 RD=0.00, 1.000	Uzpp=-16.854, -16.484
Add= 24 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 25 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 26 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 27 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 28 RD=0.00, 1.000	Uzpp=-16.484, -16.854
Add= 29 RD=0.00, 1.000	Uzpp=-16.854, -19.312
Add= 30 RD=0.00, 1.000	Uzpp=-19.312, -26.171
Add= 31 RD=0.00, 1.000	Uzpp=-26.171, -19.312
Add= 32 RD=0.00, 1.000	Uzpp=-19.312, -16.854
Add= 33 RD=0.00, 1.000	Uzpp=-16.854, -16.484
Add= 34 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 35 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 36 RD=0.00, 1.000	Uzpp=-16.484, -16.484
Add= 37 RD=0.00, 1.000	Uzpp=-16.484, -17.561
Add= 38 RD=0.00, 1.000	Uzpp=-17.561, -27.585
Add= 39 RD=0.00, 1.000	Uzpp=-27.585, -17.561
Add= 40 RD=0.00, 1.000	Uzpp=-17.561, -15.777
Add= 41 RD=0.00, 1.000	Uzpp=-27.585, -27.585
Add= 42 RD=0.00, 1.000	Uzpp=-27.585, -17.561
Add= 43 RD=0.00, 1.000	Uzpp=-17.561, -20.019
Add= 44 RD=0.00, 1.000	Uzpp=-20.019, -20.019
Add= 45 RD=0.00, 1.000	Uzpp=-20.019, -20.019

- 11 -

[illegible]

- 12 -

[illegible]

```

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

```

2. 합성 후

< AFTER COMPOSITE SELF-WEIGHT LOAD >

SYSTEM
LENGTH=M

FORCE=KN

JOINT

1 X= 0.000 Y=0.000 Z=0.000
2 X= 4.288 Y=0.000 Z=0.000
3 X= 9.288 Y=0.000 Z=0.000
4 X= 14.288 Y=0.000 Z=0.000
5 X= 19.288 Y=0.000 Z=0.000
6 X= 24.288 Y=0.000 Z=0.000
7 X= 29.288 Y=0.000 Z=0.000
8 X= 34.288 Y=0.000 Z=0.000
9 X= 39.288 Y=0.000 Z=0.000
10 X= 44.288 Y=0.000 Z=0.000
11 X= 49.288 Y=0.000 Z=0.000
12 X= 54.288 Y=0.000 Z=0.000
13 X= 59.288 Y=0.000 Z=0.000
14 X= 64.288 Y=0.000 Z=0.000
15 X= 69.288 Y=0.000 Z=0.000
16 X= 74.288 Y=0.000 Z=0.000
17 X= 79.288 Y=0.000 Z=0.000
18 X= 84.288 Y=0.000 Z=0.000
19 X= 89.288 Y=0.000 Z=0.000
20 X= 94.288 Y=0.000 Z=0.000
21 X= 99.288 Y=0.000 Z=0.000
22 X= 104.288 Y=0.000 Z=0.000
23 X= 109.288 Y=0.000 Z=0.000
24 X= 114.288 Y=0.000 Z=0.000
25 X= 119.288 Y=0.000 Z=0.000
26 X= 124.288 Y=0.000 Z=0.000
27 X= 129.288 Y=0.000 Z=0.000
28 X= 134.288 Y=0.000 Z=0.000
29 X= 139.288 Y=0.000 Z=0.000
30 X= 144.288 Y=0.000 Z=0.000
31 X= 149.288 Y=0.000 Z=0.000
32 X= 154.288 Y=0.000 Z=0.000
33 X= 159.288 Y=0.000 Z=0.000
34 X= 164.288 Y=0.000 Z=0.000
35 X= 169.288 Y=0.000 Z=0.000
36 X= 174.288 Y=0.000 Z=0.000
37 X= 179.288 Y=0.000 Z=0.000
38 X= 184.288 Y=0.000 Z=0.000
39 X= 189.288 Y=0.000 Z=0.000
40 X= 194.288 Y=0.000 Z=0.000
41 X= 199.288 Y=0.000 Z=0.000
42 X= 204.288 Y=0.000 Z=0.000
43 X= 209.288 Y=0.000 Z=0.000
44 X= 214.288 Y=0.000 Z=0.000
45 X= 219.288 Y=0.000 Z=0.000
46 X= 224.288 Y=0.000 Z=0.000
47 X= 229.288 Y=0.000 Z=0.000
48 X= 234.288 Y=0.000 Z=0.000
49 X= 239.288 Y=0.000 Z=0.000
50 X= 244.288 Y=0.000 Z=0.000
51 X= 248.675 Y=0.000 Z=0.000
52 X= 0.000 Y=-7.700 Z=-0.154
53 X= 4.288 Y=-7.700 Z=-0.154
54 X= 9.288 Y=-7.700 Z=-0.154
55 X= 14.288 Y=-7.700 Z=-0.154
56 X= 19.288 Y=-7.700 Z=-0.154
57 X= 24.288 Y=-7.700 Z=-0.154
58 X= 29.288 Y=-7.700 Z=-0.154
59 X= 34.288 Y=-7.700 Z=-0.154
60 X= 39.288 Y=-7.700 Z=-0.154
61 X= 44.288 Y=-7.700 Z=-0.154
62 X= 49.288 Y=-7.700 Z=-0.154
63 X= 54.288 Y=-7.700 Z=-0.154
64 X= 59.288 Y=-7.700 Z=-0.154
65 X= 64.288 Y=-7.700 Z=-0.154
66 X= 69.288 Y=-7.700 Z=-0.154

67 X= 74.288 Y=-7.700 Z=-0.154
68 X= 79.288 Y=-7.700 Z=-0.154
69 X= 84.288 Y=-7.700 Z=-0.154
70 X= 89.288 Y=-7.700 Z=-0.154
71 X= 94.288 Y=-7.700 Z=-0.154
72 X= 99.288 Y=-7.700 Z=-0.154
73 X= 104.288 Y=-7.700 Z=-0.154
74 X= 109.288 Y=-7.700 Z=-0.154
75 X= 114.288 Y=-7.700 Z=-0.154
76 X= 119.288 Y=-7.700 Z=-0.154
77 X= 124.288 Y=-7.700 Z=-0.154
78 X= 129.288 Y=-7.700 Z=-0.154
79 X= 134.288 Y=-7.700 Z=-0.154
80 X= 139.288 Y=-7.700 Z=-0.154
81 X= 144.288 Y=-7.700 Z=-0.154
82 X= 149.288 Y=-7.700 Z=-0.154
83 X= 154.288 Y=-7.700 Z=-0.154
84 X= 159.288 Y=-7.700 Z=-0.154
85 X= 164.288 Y=-7.700 Z=-0.154
86 X= 169.288 Y=-7.700 Z=-0.154
87 X= 174.288 Y=-7.700 Z=-0.154
88 X= 179.288 Y=-7.700 Z=-0.154
89 X= 184.288 Y=-7.700 Z=-0.154
90 X= 189.288 Y=-7.700 Z=-0.154
91 X= 194.288 Y=-7.700 Z=-0.154
92 X= 199.288 Y=-7.700 Z=-0.154
93 X= 204.288 Y=-7.700 Z=-0.154
94 X= 209.288 Y=-7.700 Z=-0.154
95 X= 214.288 Y=-7.700 Z=-0.154
96 X= 219.288 Y=-7.700 Z=-0.154
97 X= 224.288 Y=-7.700 Z=-0.154
98 X= 229.288 Y=-7.700 Z=-0.154
99 X= 234.288 Y=-7.700 Z=-0.154
100 X= 239.288 Y=-7.700 Z=-0.154
101 X= 244.288 Y=-7.700 Z=-0.154
102 X= 248.675 Y=-7.700 Z=-0.154
103 X= 0.000 Y=-3.850 Z=-0.077
104 X= 4.288 Y=-3.850 Z=-0.077
105 X= 9.288 Y=-3.850 Z=-0.077
106 X= 14.288 Y=-3.850 Z=-0.077
107 X= 19.288 Y=-3.850 Z=-0.077
108 X= 24.288 Y=-3.850 Z=-0.077
109 X= 29.288 Y=-3.850 Z=-0.077
110 X= 34.288 Y=-3.850 Z=-0.077
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116 X= 64.288 Y=-3.850 Z=-0.077
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121 X= 89.288 Y=-3.850 Z=-0.077
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123 X= 99.288 Y=-3.850 Z=-0.077
124 X= 104.288 Y=-3.850 Z=-0.077
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128 X= 124.288 Y=-3.850 Z=-0.077
129 X= 129.288 Y=-3.850 Z=-0.077
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135 X= 159.288 Y=-3.850 Z=-0.077
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137 X= 169.288 Y=-3.850 Z=-0.077
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139 X= 179.288 Y=-3.850 Z=-0.077

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143 X= 199.288 Y=-3.850 Z=-0.077
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153 X= 248.675 Y=-3.850 Z=-0.077
154 X= 0.000 Y=0.000 Z=-1.165
155 X= 0.000 Y=0.900 Z=-1.165
156 X= 0.000 Y=-0.900 Z=-1.165
157 X= 49.288 Y=0.000 Z=-1.250
158 X= 49.288 Y=0.900 Z=-1.250
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161 X= 99.288 Y=0.900 Z=-1.250
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164 X= 149.288 Y=0.900 Z=-1.250
165 X= 149.288 Y=-0.900 Z=-1.250
166 X= 199.288 Y=0.000 Z=-1.250
167 X= 199.288 Y=0.900 Z=-1.250
168 X= 199.288 Y=-0.900 Z=-1.250
169 X= 248.675 Y=0.000 Z=-1.165
170 X= 248.675 Y=0.900 Z=-1.165
171 X= 248.675 Y=-0.900 Z=-1.165
172 X= 0.000 Y=-7.700 Z=-1.319
173 X= 0.000 Y=-6.800 Z=-1.319
174 X= 0.000 Y=-8.600 Z=-1.319
175 X= 49.288 Y=-7.700 Z=-1.404
176 X= 49.288 Y=-6.800 Z=-1.404
177 X= 49.288 Y=-8.600 Z=-1.404
178 X= 99.288 Y=-7.700 Z=-1.404
179 X= 99.288 Y=-6.800 Z=-1.404
180 X= 99.288 Y=-8.600 Z=-1.404
181 X= 149.288 Y=-7.700 Z=-1.404
182 X= 149.288 Y=-6.800 Z=-1.404
183 X= 149.288 Y=-8.600 Z=-1.404
184 X= 199.288 Y=-7.700 Z=-1.404
185 X= 199.288 Y=-6.800 Z=-1.404
186 X= 199.288 Y=-8.600 Z=-1.404
187 X= 248.675 Y=-7.700 Z=-1.319
188 X= 248.675 Y=-6.800 Z=-1.319
189 X= 248.675 Y=-8.600 Z=-1.319

LOCAL

ADD= 155 ANG=-4.435
ADD= 156 ANG=-3.401
ADD= 158 ANG=-6.755
ADD= 159 ANG=-6.730
ADD= 161 ANG=0.000
ADD= 162 ANG=0.000
ADD= 164 ANG=6.755
ADD= 165 ANG=6.730
ADD= 167 ANG=4.403
ADD= 168 ANG=3.377
ADD= 170 ANG=2.951
ADD= 171 ANG=2.262
ADD= 173 ANG=0.000
ADD= 174 ANG=0.000
ADD= 176 ANG=0.000
ADD= 177 ANG=0.000
ADD= 179 ANG=0.000
ADD= 180 ANG=0.000
ADD= 182 ANG=0.000
ADD= 183 ANG=0.000
ADD= 185 ANG=0.000

ADD= 186 ANG=0.000
ADD= 188 ANG=0.000
ADD= 189 ANG=0.000

RESTRAINT

ADD= 155 DOF= U3,
ADD= 156 DOF= U3,
ADD= 158 DOF= U3,
ADD= 159 DOF= U3,
ADD= 161 DOF= U1, U3,
ADD= 162 DOF= U1, U3,
ADD= 164 DOF= U3,
ADD= 165 DOF= U3,
ADD= 167 DOF= U3,
ADD= 168 DOF= U3,
ADD= 170 DOF= U3,
ADD= 171 DOF= U3,
ADD= 173 DOF= U2, U3,
ADD= 174 DOF= U2, U3,
ADD= 176 DOF= U2, U3,
ADD= 177 DOF= U2, U3,
ADD= 179 DOF= U1, U2, U3,
ADD= 180 DOF= U1, U2, U3,
ADD= 182 DOF= U2, U3,
ADD= 183 DOF= U2, U3,
ADD= 185 DOF= U2, U3,
ADD= 186 DOF= U2, U3,
ADD= 188 DOF= U2, U3,
ADD= 189 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
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Name=19
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Name=22
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E=2.05e+008
Name=25
E=2.05e+008

FRAME SECTION

Name= 1 Mat= 1 A=0.35174 I=0.25840261, 0.92850822 J=0.20347753 : GIRDER
Name= 2 Mat= 2 A=0.35514 I=0.2937777, 0.93536348 J=0.22437322 : GIRDER
Name= 3 Mat= 3 A=0.37866 I=0.40537662, 0.95624231 J=0.26265283 : GIRDER
Name= 4 Mat= 4 A=0.39042 I=0.40789726, 0.96650383 J=0.26471954 : GIRDER
Name= 5 Mat= 5 A=0.36998 I=0.36430484, 0.94727179 J=0.23730804 : GIRDER
Name= 6 Mat= 6 A=0.45334 I=0.55215659, 1.03114830 J=0.33141965 : GIRDER
Name= 7 Mat= 7 A=0.35514 I=0.33705712, 0.93536348 J=0.22437322 : GIRDER
Name= 8 Mat= 8 A=0.36102 I=0.32709631, 0.94063128 J=0.23730804 : GIRDER
Name= 9 Mat= 9 A=0.36410 I=0.33786779, 0.92405378 J=0.22437322 : GIRDER
Name= 10 Mat= 10 A=0.38454 I=0.41622798, 0.96138676 J=0.257777289 : GIRDER
Name= 11 Mat= 11 A=0.44158 I=0.52772592, 1.02135508 J=0.32525342 : GIRDER
Name= 12 Mat= 12 A=0.34171 I=0.25617187, 0.94779655 J=0.20347753 : GIRDER
Name= 13 Mat= 13 A=0.34511 I=0.29677549, 0.85490996 J=0.22437322 : GIRDER
Name= 14 Mat= 14 A=0.36863 I=0.40119322, 0.87743806 J=0.26265283 : GIRDER
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8 J= 8, 9 Sec=32
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[illegible]

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LOAD=AFter  sf=1.000

OUTPUT
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ELEM=FRAME  TYPE=FORCE  LOAD=**  COMB=**

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3 철하중 재하시
< MOVING LOAD >

SYSTEM
LENGTH=M FORCE=KN

JOINT

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Name= 6 Mat= 6 A=0.45334 I=0.55219559, 1.03114830 J=0.33141965 : GIRDER
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Name= 10 Mat= 10 A=0.38454 I=0.41622798, 0.96138676 J=0.25777289 : GIRDER
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257 J=158, 157 Sec=25
258 J=159, 157 Sec=25
259 J= 21, 160 Sec=25
260 J=161, 160 Sec=25
261 J=162, 160 Sec=25
262 J= 31, 163 Sec=25
263 J=164, 163 Sec=25
264 J=165, 163 Sec=25
265 J= 41, 166 Sec=25
266 J=167, 166 Sec=25
267 J=168, 166 Sec=25
268 J= 51, 169 Sec=25
269 J=170, 169 Sec=25
270 J=171, 169 Sec=25
271 J= 52, 172 Sec=25
272 J=173, 172 Sec=25
273 J=174, 172 Sec=25
274 J= 62, 175 Sec=25
275 J=176, 175 Sec=25
276 J=177, 175 Sec=25
277 J= 72, 178 Sec=25
278 J=179, 178 Sec=25
279 J=180, 178 Sec=25
280 J= 82, 181 Sec=25
281 J=182, 181 Sec=25
282 J=183, 181 Sec=25
283 J= 92, 184 Sec=25
284 J=185, 184 Sec=25

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Name=L4GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L4G2
Path= 51, 60, 1, Ecc=-0.021
Path= 61, 70, 1, Ecc=-0.021
Path= 71, 80, 1, Ecc=-0.021
Path= 81, 90, 1, Ecc=-0.021
Path= 91, 100, 1, Ecc=-0.021
: Case = 5 ----- G2 Max DB 2선
Name=L5G1
Path= 1, 10, 1, Ecc=-1.816
Path= 11, 20, 1, Ecc=-1.816
Path= 21, 30, 1, Ecc=-1.816
Path= 31, 40, 1, Ecc=-1.816
Path= 41, 50, 1, Ecc=-1.816
Name=L5GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L5G2
Path= 51, 60, 1, Ecc=0.296
Path= 61, 70, 1, Ecc=0.296
Path= 71, 80, 1, Ecc=0.296
Path= 81, 90, 1, Ecc=0.296
Path= 91, 100, 1, Ecc=0.296
: Case = 6 ----- G2 Max DB 3선
Name=L6G1
Path= 1, 10, 1, Ecc=-0.841
Path= 11, 20, 1, Ecc=-0.841
Path= 21, 30, 1, Ecc=-0.841
Path= 31, 40, 1, Ecc=-0.841
Path= 41, 50, 1, Ecc=-0.841
Name=L6GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L6G2
Path= 51, 60, 1, Ecc=0.301
Path= 61, 70, 1, Ecc=0.301
Path= 71, 80, 1, Ecc=0.301
Path= 81, 90, 1, Ecc=0.301
Path= 91, 100, 1, Ecc=0.301
: Case = 7 ----- G1 Max DL 1선
Name=L7G1
Path= 1, 10, 1, Ecc=0.194
Path= 11, 20, 1, Ecc=0.194
Path= 21, 30, 1, Ecc=0.194
Path= 31, 40, 1, Ecc=0.194
Path= 41, 50, 1, Ecc=0.194
Name=L7GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L7G2
Path= 51, 60, 1, Ecc=1.828
Path= 61, 70, 1, Ecc=1.828
Path= 71, 80, 1, Ecc=1.828
Path= 81, 90, 1, Ecc=1.828
Path= 91, 100, 1, Ecc=1.828

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285 J=186, 184 Sec=25
286 J=102, 187 Sec=25
287 J=188, 187 Sec=25
288 J=189, 187 Sec=25

LANE
: Case = 1 ----- G1 Max DB 1선
Name=L1G1
Path= 1, 10, 1, Ecc=0.194
Path= 11, 20, 1, Ecc=0.194
Path= 21, 30, 1, Ecc=0.194
Path= 31, 40, 1, Ecc=0.194
Path= 41, 50, 1, Ecc=0.194
Name=L1GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L1G2
Path= 51, 60, 1, Ecc=1.828
Path= 61, 70, 1, Ecc=1.828
Path= 71, 80, 1, Ecc=1.828
Path= 81, 90, 1, Ecc=1.828
Path= 91, 100, 1, Ecc=1.828
: Case = 2 ----- G1 Max DB 2선
Name=L2G1
Path= 1, 10, 1, Ecc=-0.207
Path= 11, 20, 1, Ecc=-0.207
Path= 21, 30, 1, Ecc=-0.207
Path= 31, 40, 1, Ecc=-0.207
Path= 41, 50, 1, Ecc=-0.207
Name=L2GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L2G2
Path= 51, 60, 1, Ecc=1.840
Path= 61, 70, 1, Ecc=1.840
Path= 71, 80, 1, Ecc=1.840
Path= 81, 90, 1, Ecc=1.840
Path= 91, 100, 1, Ecc=1.840
: Case = 3 ----- G1 Max DB 3선
Name=L3G1
Path= 1, 10, 1, Ecc=-0.203
Path= 11, 20, 1, Ecc=-0.203
Path= 21, 30, 1, Ecc=-0.203
Path= 31, 40, 1, Ecc=-0.203
Path= 41, 50, 1, Ecc=-0.203
Name=L3GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L3G2
Path= 51, 60, 1, Ecc=0.912
Path= 61, 70, 1, Ecc=0.912
Path= 71, 80, 1, Ecc=0.912
Path= 81, 90, 1, Ecc=0.912
Path= 91, 100, 1, Ecc=0.912
: Case = 4 ----- G2 Max DB 1선
Name=L4G1
Path= 1, 10, 1, Ecc=-1.828
Path= 11, 20, 1, Ecc=-1.828
Path= 21, 30, 1, Ecc=-1.828
Path= 31, 40, 1, Ecc=-1.828
Path= 41, 50, 1, Ecc=-1.828

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: Case = 8 ----- G1 Max DL 2선
Name=L8G1
Path= 1, 10, 1, Ecc=-0.208
Path= 11, 20, 1, Ecc=-0.208
Path= 21, 30, 1, Ecc=-0.208
Path= 31, 40, 1, Ecc=-0.208
Path= 41, 50, 1, Ecc=-0.208
Name=L8GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L8G2
Path= 51, 60, 1, Ecc=-1.022
Path= 61, 70, 1, Ecc=-1.022
Path= 71, 80, 1, Ecc=-1.022
Path= 81, 90, 1, Ecc=-1.022
Path= 91, 100, 1, Ecc=-1.022
: Case = 9 ----- G1 Max DL 3선
Name=L9G1
Path= 1, 10, 1, Ecc=-0.209
Path= 11, 20, 1, Ecc=-0.209
Path= 21, 30, 1, Ecc=-0.209
Path= 31, 40, 1, Ecc=-0.209
Path= 41, 50, 1, Ecc=-0.209
Name=L9GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L9G2
Path= 51, 60, 1, Ecc=0.930
Path= 61, 70, 1, Ecc=0.930
Path= 71, 80, 1, Ecc=0.930
Path= 81, 90, 1, Ecc=0.930
Path= 91, 100, 1, Ecc=0.930
: Case = 10 ----- G2 Max DL 1선
Name=L10G1
Path= 1, 10, 1, Ecc=-1.828
Path= 11, 20, 1, Ecc=-1.828
Path= 21, 30, 1, Ecc=-1.828
Path= 31, 40, 1, Ecc=-1.828
Path= 41, 50, 1, Ecc=-1.828
Name=L10GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L10G2
Path= 51, 60, 1, Ecc=-0.009
Path= 61, 70, 1, Ecc=-0.009
Path= 71, 80, 1, Ecc=-0.009
Path= 81, 90, 1, Ecc=-0.009
Path= 91, 100, 1, Ecc=-0.009
: Case = 11 ----- G2 Max DL 2선
Name=L11G1
Path= 1, 10, 1, Ecc=-1.737
Path= 11, 20, 1, Ecc=-1.737
Path= 21, 30, 1, Ecc=-1.737
Path= 31, 40, 1, Ecc=-1.737
Path= 41, 50, 1, Ecc=-1.737
Name=L11GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000

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Name=L11G2
Path= 51, 60, 1, Ecc=0.295
Path= 61, 70, 1, Ecc=0.295
Path= 71, 80, 1, Ecc=0.295
Path= 81, 90, 1, Ecc=0.295
Path= 91, 100, 1, Ecc=0.295
: Case = 12 ----- G2 Max DL 3선
Name=L12G1
Path= 1, 10, 1, Ecc=-0.853
Path= 11, 20, 1, Ecc=-0.853
Path= 21, 30, 1, Ecc=-0.853
Path= 31, 40, 1, Ecc=-0.853
Path= 41, 50, 1, Ecc=-0.853
Name=L12GIS1
Path= 203, 212, 1, Ecc=0.000
Path= 213, 222, 1, Ecc=0.000
Path= 223, 232, 1, Ecc=0.000
Path= 233, 242, 1, Ecc=0.000
Path= 243, 252, 1, Ecc=0.000
Name=L12G2
Path= 51, 60, 1, Ecc=0.303
Path= 61, 70, 1, Ecc=0.303
Path= 71, 80, 1, Ecc=0.303
Path= 81, 90, 1, Ecc=0.303
Path= 91, 100, 1, Ecc=0.303
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 PXM=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=2.140
Lane= L1G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.036
Name= 2 Rf=1.000 : G1 Max DB 2선
Lane= L2G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.743
Lane= L2G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.240
Lane= L2G2 Class=1 Lmin= 1 Lmax= 1 Sf=0.017
Name= 3 Rf=0.900 : G1 Max DB 3선
Lane= L3G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.737
Lane= L3G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.275
Lane= L3G2 Class=1 Lmin= 1 Lmax= 1 Sf=1.988
Name= 4 Rf=1.000 : G2 Max DB 1선
Lane= L4G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.039
Lane= L4G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.152
Name= 5 Rf=1.000 : G2 Max DB 2선
Lane= L5G1 Class=1 Lmin= 1 Lmax= 1 Sf=0.064
Lane= L5G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.283

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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=+

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Lane= L5G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.653
Name= 6 Rf=0.900 : G2 Max DB 3선
Lane= L6G1 Class=1 Lmin= 1 Lmax= 1 Sf=2.092
Lane= L6G1S1 Class=1 Lmin= 1 Lmax= 1 Sf=1.247
Lane= L6G2 Class=1 Lmin= 1 Lmax= 1 Sf=2.661
Name= 7 Rf=1.000 : G1 Max DL 1선
Lane= L7G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.218
Lane= L7G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.056
Name= 8 Rf=1.000 : G1 Max DL 2선
Lane= L8G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.103
Lane= L8G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.896
Lane= L8G2 Class=2 Lmin= 1 Lmax= 1 Sf=0.001
Name= 9 Rf=0.900 : G1 Max DL 3선
Lane= L9G1 Class=2 Lmin= 1 Lmax= 1 Sf=4.106
Lane= L9G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.900
Lane= L9G2 Class=2 Lmin= 1 Lmax= 1 Sf=2.993
Name= 10 Rf=1.000 : G2 Max DL 1선
Lane= L10G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.061
Lane= L10G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.238
Name= 11 Rf=1.000 : G2 Max DL 2선
Lane= L11G1 Class=2 Lmin= 1 Lmax= 1 Sf=0.065
Lane= L11G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.972
Lane= L11G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.962
Name= 12 Rf=0.900 : G2 Max DL 3선
Lane= L12G1 Class=2 Lmin= 1 Lmax= 1 Sf=3.138
Lane= L12G1S1 Class=2 Lmin= 1 Lmax= 1 Sf=1.878
Lane= L12G2 Class=2 Lmin= 1 Lmax= 1 Sf=3.984
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=G2XDB1 Type=ENVE : G2 Max DB 1선
MOVE=4 sf=1.168
Name=G2XDB2 Type=ENVE : G2 Max DB 2선
MOVE=5 sf=1.168
Name=G2XDB3 Type=ENVE : G2 Max DB 3선
MOVE=6 sf=1.168
Name=G1XDL1 Type=ENVE : G1 Max DL 1선
MOVE=7 sf=1.168
Name=G1XDL2 Type=ENVE : G1 Max DL 2선
MOVE=8 sf=1.168
Name=G1XDL3 Type=ENVE : G1 Max DL 3선
MOVE=9 sf=1.168
Name=G2XDL1 Type=ENVE : G2 Max DL 1선
MOVE=10 sf=1.168
Name=G2XDL2 Type=ENVE : G2 Max DL 2선
MOVE=11 sf=1.168
Name=G2XDL3 Type=ENVE : G2 Max DL 3선
MOVE=12 sf=1.168
Name=DB Type=ENVE :

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4) 부등침하 < UNEQUAL SETTLEMENT >

SYSTEM	LENGTH=M	FORCE=KN
JOINT		
1	X= 0.000	Y=0.000 Z=0.000
2	X= 4.288	Y=0.000 Z=0.000
3	X= 9.288	Y=0.000 Z=0.000
4	X= 14.288	Y=0.000 Z=0.000
5	X= 19.288	Y=0.000 Z=0.000
6	X= 24.288	Y=0.000 Z=0.000
7	X= 29.288	Y=0.000 Z=0.000
8	X= 34.288	Y=0.000 Z=0.000
9	X= 39.288	Y=0.000 Z=0.000
10	X= 44.288	Y=0.000 Z=0.000
11	X= 49.288	Y=0.000 Z=0.000
12	X= 54.288	Y=0.000 Z=0.000
13	X= 59.288	Y=0.000 Z=0.000
14	X= 64.288	Y=0.000 Z=0.000
15	X= 69.288	Y=0.000 Z=0.000
16	X= 74.288	Y=0.000 Z=0.000
17	X= 79.288	Y=0.000 Z=0.000
18	X= 84.288	Y=0.000 Z=0.000
19	X= 89.288	Y=0.000 Z=0.000
20	X= 94.288	Y=0.000 Z=0.000
21	X= 99.288	Y=0.000 Z=0.000
22	X= 104.288	Y=0.000 Z=0.000
23	X= 109.288	Y=0.000 Z=0.000
24	X= 114.288	Y=0.000 Z=0.000
25	X= 119.288	Y=0.000 Z=0.000
26	X= 124.288	Y=0.000 Z=0.000
27	X= 129.288	Y=0.000 Z=0.000
28	X= 134.288	Y=0.000 Z=0.000
29	X= 139.288	Y=0.000 Z=0.000
30	X= 144.288	Y=0.000 Z=0.000
31	X= 149.288	Y=0.000 Z=0.000
32	X= 154.288	Y=0.000 Z=0.000
33	X= 159.288	Y=0.000 Z=0.000
34	X= 164.288	Y=0.000 Z=0.000
35	X= 169.288	Y=0.000 Z=0.000
36	X= 174.288	Y=0.000 Z=0.000
37	X= 179.288	Y=0.000 Z=0.000
38	X= 184.288	Y=0.000 Z=0.000
39	X= 189.288	Y=0.000 Z=0.000
40	X= 194.288	Y=0.000 Z=0.000
41	X= 199.288	Y=0.000 Z=0.000
42	X= 204.288	Y=0.000 Z=0.000
43	X= 209.288	Y=0.000 Z=0.000
44	X= 214.288	Y=0.000 Z=0.000
45	X= 219.288	Y=0.000 Z=0.000
46	X= 224.288	Y=0.000 Z=0.000
47	X= 229.288	Y=0.000 Z=0.000
48	X= 234.288	Y=0.000 Z=0.000
49	X= 239.288	Y=0.000 Z=0.000
50	X= 244.288	Y=0.000 Z=0.000
51	X= 248.675	Y=0.000 Z=0.000
52	X= 0.000	Y=-7.700 Z=-0.154
53	X= 4.288	Y=-7.700 Z=-0.154
54	X= 9.288	Y=-7.700 Z=-0.154
55	X= 14.288	Y=-7.700 Z=-0.154
56	X= 19.288	Y=-7.700 Z=-0.154
57	X= 24.288	Y=-7.700 Z=-0.154
58	X= 29.288	Y=-7.700 Z=-0.154
59	X= 34.288	Y=-7.700 Z=-0.154
60	X= 39.288	Y=-7.700 Z=-0.154
61	X= 44.288	Y=-7.700 Z=-0.154
62	X= 49.288	Y=-7.700 Z=-0.154
63	X= 54.288	Y=-7.700 Z=-0.154
64	X= 59.288	Y=-7.700 Z=-0.154
65	X= 64.288	Y=-7.700 Z=-0.154
66	X= 69.288	Y=-7.700 Z=-0.154

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67 X= 74.288 Y=-7.700 Z=-0.154
68 X= 79.288 Y=-7.700 Z=-0.154
69 X= 84.288 Y=-7.700 Z=-0.154
70 X= 89.288 Y=-7.700 Z=-0.154
71 X= 94.288 Y=-7.700 Z=-0.154
72 X= 99.288 Y=-7.700 Z=-0.154
73 X= 104.288 Y=-7.700 Z=-0.154
74 X= 109.288 Y=-7.700 Z=-0.154
75 X= 114.288 Y=-7.700 Z=-0.154
76 X= 119.288 Y=-7.700 Z=-0.154
77 X= 124.288 Y=-7.700 Z=-0.154
78 X= 129.288 Y=-7.700 Z=-0.154
79 X= 134.288 Y=-7.700 Z=-0.154
80 X= 139.288 Y=-7.700 Z=-0.154
81 X= 144.288 Y=-7.700 Z=-0.154
82 X= 149.288 Y=-7.700 Z=-0.154
83 X= 154.288 Y=-7.700 Z=-0.154
84 X= 159.288 Y=-7.700 Z=-0.154
85 X= 164.288 Y=-7.700 Z=-0.154
86 X= 169.288 Y=-7.700 Z=-0.154
87 X= 174.288 Y=-7.700 Z=-0.154
88 X= 179.288 Y=-7.700 Z=-0.154
89 X= 184.288 Y=-7.700 Z=-0.154
90 X= 189.288 Y=-7.700 Z=-0.154
91 X= 194.288 Y=-7.700 Z=-0.154
92 X= 199.288 Y=-7.700 Z=-0.154
93 X= 204.288 Y=-7.700 Z=-0.154
94 X= 209.288 Y=-7.700 Z=-0.154
95 X= 214.288 Y=-7.700 Z=-0.154
96 X= 219.288 Y=-7.700 Z=-0.154
97 X= 224.288 Y=-7.700 Z=-0.154
98 X= 229.288 Y=-7.700 Z=-0.154
99 X= 234.288 Y=-7.700 Z=-0.154
100 X= 239.288 Y=-7.700 Z=-0.154
101 X= 244.288 Y=-7.700 Z=-0.154
102 X= 248.675 Y=-7.700 Z=-0.154
103 X= 0.000 Y=-3.850 Z=-0.077
104 X= 4.288 Y=-3.850 Z=-0.077
105 X= 9.288 Y=-3.850 Z=-0.077
106 X= 14.288 Y=-3.850 Z=-0.077
107 X= 19.288 Y=-3.850 Z=-0.077
108 X= 24.288 Y=-3.850 Z=-0.077
109 X= 29.288 Y=-3.850 Z=-0.077
110 X= 34.288 Y=-3.850 Z=-0.077
111 X= 39.288 Y=-3.850 Z=-0.077
112 X= 44.288 Y=-3.850 Z=-0.077
113 X= 49.288 Y=-3.850 Z=-0.077
114 X= 54.288 Y=-3.850 Z=-0.077
115 X= 59.288 Y=-3.850 Z=-0.077
116 X= 64.288 Y=-3.850 Z=-0.077
117 X= 69.288 Y=-3.850 Z=-0.077
118 X= 74.288 Y=-3.850 Z=-0.077
119 X= 79.288 Y=-3.850 Z=-0.077
120 X= 84.288 Y=-3.850 Z=-0.077
121 X= 89.288 Y=-3.850 Z=-0.077
122 X= 94.288 Y=-3.850 Z=-0.077
123 X= 99.288 Y=-3.850 Z=-0.077
124 X= 104.288 Y=-3.850 Z=-0.077
125 X= 109.288 Y=-3.850 Z=-0.077
126 X= 114.288 Y=-3.850 Z=-0.077
127 X= 119.288 Y=-3.850 Z=-0.077
128 X= 124.288 Y=-3.850 Z=-0.077
129 X= 129.288 Y=-3.850 Z=-0.077
130 X= 134.288 Y=-3.850 Z=-0.077
131 X= 139.288 Y=-3.850 Z=-0.077
132 X= 144.288 Y=-3.850 Z=-0.077
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143 X= 199.288 Y=-3.850 Z=-0.077
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153 X= 248.675 Y=-3.850 Z=-0.077
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155 X= 0.000 Y=0.900 Z=-1.165
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173 X= 0.000 Y=-6.800 Z=-1.319
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Name= 4 Mat= 4 A=0.39042 I=0.40789726, 0.96650383 J=0.26471954 : GIRDER
Name= 5 Mat= 5 A=0.36998 I=0.36430484, 0.94727179 J=0.23730804 : GIRDER
Name= 6 Mat= 6 A=0.45334 I=0.55215659, 1.03114830 J=0.3141965 : GIRDER
Name= 7 Mat= 7 A=0.35514 I=0.33705712, 0.93536348 J=0.22437322 : GIRDER
Name= 8 Mat= 8 A=0.36102 I=0.32705631, 0.94063128 J=0.23730804 : GIRDER
Name= 9 Mat= 9 A=0.36410 I=0.33786779, 0.94205378 J=0.22437322 : GIRDER
Name= 10 Mat= 10 A=0.38454 I=0.41622798, 0.96138676 J=0.25777289 : GIRDER
Name= 11 Mat= 11 A=0.44158 I=0.52772592, 1.02135508 J=0.32525342 : GIRDER
Name= 12 Mat= 12 A=0.34171 I=0.25617187, 0.84779655 J=0.20347753 : GIRDER
Name= 13 Mat= 13 A=0.34511 I=0.29677549, 0.85490996 J=0.22437322 : GIRDER
Name= 14 Mat= 14 A=0.36863 I=0.40119322, 0.87743806 J=0.26265283 : GIRDER
Name= 15 Mat= 15 A=0.38039 I=0.40389954, 0.88844013 J=0.26471954 : GIRDER
Name= 16 Mat= 16 A=0.35995 I=0.36075244, 0.86788432 J=0.23730804 : GIRDER
Name= 17 Mat= 17 A=0.44331 I=0.54616527, 0.95633251 J=0.3141965 : GIRDER
Name= 18 Mat= 18 A=0.34511 I=0.33381294, 0.85490996 J=0.22437322 : GIRDER
Name= 19 Mat= 19 A=0.35099 I=0.32411636, 0.86061166 J=0.23730804 : GIRDER
Name= 20 Mat= 20 A=0.35407 I=0.33471031, 0.86225531 J=0.22437322 : GIRDER
Name= 21 Mat= 21 A=0.37451 I=0.41119322, 0.88295799 J=0.25777289 : GIRDER
Name= 22 Mat= 22 A=0.43155 I=0.52200459, 0.94602494 J=0.32525342 : GIRDER
Name= 23 Mat= 23 A=0.02400 I=0.00633283, 0.00005420 J=0.00000115 : CROSSBEAM
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Name= 28 Type=Nonpr Sec= 2, 3
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9 J= 9, 10 Sec=34
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232 J=132, 133 Sec=24
233 J=133, 134 Sec=24
234 J=134, 135 Sec=24
235 J=135, 136 Sec=24
236 J=136, 137 Sec=24
237 J=137, 138 Sec=24
238 J=138, 139 Sec=24
239 J=139, 140 Sec=24
240 J=140, 141 Sec=24
241 J=141, 142 Sec=24
242 J=142, 143 Sec=24
243 J=143, 144 Sec=24
244 J=144, 145 Sec=24
245 J=145, 146 Sec=24
246 J=146, 147 Sec=24
247 J=147, 148 Sec=24
248 J=148, 149 Sec=24
249 J=149, 150 Sec=24
250 J=150, 151 Sec=24
251 J=151, 152 Sec=24
252 J=152, 153 Sec=24
253 J= 1, 154 Sec=25
254 J=155, 154 Sec=25
255 J=156, 154 Sec=25
256 J= 11, 157 Sec=25
257 J=158, 157 Sec=25
258 J=159, 157 Sec=25
259 J= 21, 160 Sec=25
260 J=161, 160 Sec=25
261 J=162, 160 Sec=25
262 J= 31, 163 Sec=25
263 J=164, 163 Sec=25
264 J=165, 163 Sec=25
265 J= 41, 166 Sec=25
266 J=167, 166 Sec=25
267 J=168, 166 Sec=25
268 J= 51, 169 Sec=25
269 J=170, 169 Sec=25
270 J=171, 169 Sec=25
271 J= 52, 172 Sec=25
272 J=173, 172 Sec=25
273 J=174, 172 Sec=25
274 J= 62, 175 Sec=25
275 J=176, 175 Sec=25
276 J=177, 175 Sec=25
277 J= 72, 178 Sec=25
278 J=178, 178 Sec=25
279 J=180, 178 Sec=25
280 J= 82, 181 Sec=25
281 J=182, 181 Sec=25
282 J=183, 181 Sec=25
283 J= 92, 184 Sec=25
284 J=185, 184 Sec=25

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285 J=186, 184 Sec=25
286 J=102, 187 Sec=25
287 J=188, 187 Sec=25
288 J=189, 187 Sec=25

LOAD
Name=-P1 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=155 Uz=-0.010
Add=156 Uz=-0.010
Add=173 Uz=-0.010
Add=174 Uz=-0.010

Name=-P2 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=158 Uz=-0.010
Add=159 Uz=-0.010
Add=176 Uz=-0.010
Add=177 Uz=-0.010

Name=-P3 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=161 Uz=-0.010
Add=162 Uz=-0.010
Add=179 Uz=-0.010
Add=180 Uz=-0.010

Name=-P4 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=164 Uz=-0.010
Add=165 Uz=-0.010
Add=182 Uz=-0.010
Add=183 Uz=-0.010

Name=-P5 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=167 Uz=-0.010
Add=168 Uz=-0.010
Add=185 Uz=-0.010
Add=186 Uz=-0.010

Name=-P6 : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=170 Uz=-0.010
Add=171 Uz=-0.010
Add=188 Uz=-0.010
Add=189 Uz=-0.010

Name=-2N+1- : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=155 Uz=-0.010
Add=156 Uz=-0.010
Add=173 Uz=-0.010
Add=174 Uz=-0.010
Add=161 Uz=-0.010
Add=162 Uz=-0.010
Add=179 Uz=-0.010
Add=180 Uz=-0.010
Add=167 Uz=-0.010
Add=168 Uz=-0.010
Add=185 Uz=-0.010
Add=186 Uz=-0.010

Name=-2N+2- : UNEQUAL SETTLEMENT
Type=RESTRAINT DISPLACEMENT
Add=158 Uz=-0.010
Add=159 Uz=-0.010
Add=176 Uz=-0.010
Add=177 Uz=-0.010
Add=164 Uz=-0.010
Add=165 Uz=-0.010
Add=182 Uz=-0.010
Add=183 Uz=-0.010

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Add=170 Uz=-0.010
Add=171 Uz=-0.010
Add=188 Uz=-0.010
Add=189 Uz=-0.010

COMBO
Name=SETTLE Type=ENVE ;
LOAD=-P1 sf=1.000
LOAD=-P2 sf=1.000
LOAD=-P3 sf=1.000
LOAD=-P4 sf=1.000
LOAD=-P5 sf=1.000
LOAD=-P6 sf=1.000
LOAD=-2N+1- sf=1.000
LOAD=-2N+2- sf=1.000

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

```