

MIDAS/Civil Text(MCT) File.
Date : 2016/1/12

*VERSION
8.1.5
*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN, M, KCAL, C
*PROJINFO : Project Information
USER=곽민수
ADDRESS=OURBRAIN
*STRUCTYPE : Structure Type
: ISTYP, IMASS, ISMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB, bROTTRIGID
0, 1, NO, NO, 9.806, 0, YES, YES, NO
*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KS01-Civil(RC), SD300, KS01-Civil(RC), SD300
*NODE : Nodes
: INO, X, Y, Z
1, 11.8684698905286, 124.635154684304, 0
2, 14.6966602696952, 120.386972567868, 0
3, 17.6803460382984, 116.246521945955, 0
4, 20.8154278315801, 112.219491493164, 0
5, 24.0975982779504, 108.311414052882, 0
6, 27.5223479168383, 104.527659035811, 0
7, 31.0849713943588, 100.873425042798, 0
8, 34.7805739281221, 97.3537327223374, 0
9, 38.6040780323047, 93.9734178725684, 0
10, 42.5502304937411, 90.7371247972477, 0
11, 46.6136095894519, 87.6492999248155, 0
12, 50.7886325356918, 84.7141856993313, 0
13, 55.069563158284, 81.9358147516675, 0
14, 59.4505197737009, 79.3180043589719, 0
15, 63.9254832700642, 76.8643512000096, 0
16, 68.4883053769618, 74.5782264135913, 0
17, 73.1327171127185, 72.4627709668766, 0
18, 77.8523373975156, 70.5208913399166, 0
19, 82.6406818205242, 68.7552555323641, 0
20, 87.4911715490092, 67.1682893978383, 0
21, 92.3971423671603, 65.762173310981, 0
22, 97.3518538322348, 64.538839171782, 0
23, 102.348498535429, 63.4999677512907, 0
24, 107.380211454756, 62.6469863823608, 0
25, 112.440079387084, 61.9810669985993, 0
26, 117.521150446364, 61.503124524217, 0
27, 122.616443615012, 61.213815616989, 0
28, 127.725206736649, 61.1135342801156, 0
29, 132.725206736649, 61.1135342801156, 0
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37, 172.725206736649, 61.1135342801156, 0
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39, 182.725206736649, 61.1135342801156, 0
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43, 202.725206736649, 61.1135342801156, 0
44, 207.725206736649, 61.1135342801156, 0
45, 212.725206736649, 61.1135342801156, 0
46, 217.725206736649, 61.1135342801156, 0
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58, 277.725206736649, 61.1135342801156, 0
59, 16.586655668089, 127.651563636755, 0
60, 19.2998162693631, 123.57616601492, 0
61, 22.1621478625928, 119.6041181706, 0
62, 25.1697178147295, 115.740877405365, 0
63, 28.3183939460662, 111.991751527627, 0
64, 31.6038502073936, 108.361891560345, 0
65, 35.0215726236728, 104.856284663895, 0
66, 38.5668654959051, 101.479747284083, 0
67, 42.2348578526768, 98.2369185346979, 0
68, 46.020510142515, 95.1322538237162, 0
69, 49.9186211578604, 92.1700187318954, 0
70, 53.9238351811144, 89.3542831521818, 0
71, 58.0306493431481, 86.6889156979769, 0
72, 62.2334211835441, 84.1775783879473, 0
73, 66.5263764032174, 81.8237216146809, 0
74, 70.903616797729, 79.6305794041009, 0
75, 75.3591283610149, 77.601164972153, 0
76, 79.8867895481867, 75.7382665848678, 0
77, 84.4803796860847, 74.044437274893, 0
78, 89.1335875200242, 72.5220235879298, 0
79, 93.8400198849949, 71.1730978593856, 0
80, 98.5932104893992, 69.9995198665044, 0
81, 103.386628799261, 69.0029020190534, 0
82, 108.213689010697, 68.1846135965874, 0
83, 113.067759098329, 67.5457788671592, 0
84, 117.942169927198, 67.0872755426582, 0
85, 122.830224415662, 66.8097335728988, 0
86, 127.725206736649, 66.7135342801156, 0
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88, 137.725206736649, 66.7135342801156, 0
89, 142.725206736649, 66.7135342801156, 0

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90, 147.725206736649, 66.7135342801156, 0
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95, 172.725206736649, 66.7135342801156, 0
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106, 227.725206736649, 66.7135342801156, 0
107, 232.725206736649, 66.7135342801156, 0
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111, 252.725206736649, 66.7135342801156, 0
112, 257.725206736649, 66.7135342801156, 0
113, 262.725206736649, 66.7135342801156, 0
114, 267.725206736649, 66.7135342801156, 0
115, 272.725206736649, 66.7135342801156, 0
116, 277.725206736649, 66.7135342801156, 0
*ELEMENT, : Elements
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL, IOPT(EXVAL2) : Frame Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, ANGLE, ISUB, EXVAL, EXVAL2, bLMT : Comp/Tens Truss
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, ISUB, iWID : Planar Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, IN3, IN4, IN5, IN6, IN7, IN8 : Solid Element
: IEL, TYPE, IMAT, IPRO, IN1, IN2, REF, RPX, RPY, RPZ, ISUB, EXVAL : Frame(Ref. Point)
1, BEAM, 1, 1, 1, 2, 0
2, BEAM, 1, 1, 2, 3, 0
3, BEAM, 1, 2, 3, 4, 0
4, BEAM, 1, 2, 4, 5, 0
5, BEAM, 1, 2, 5, 6, 0
6, BEAM, 1, 2, 6, 7, 0
7, BEAM, 1, 4, 7, 8, 0
8, BEAM, 1, 5, 8, 9, 0
9, BEAM, 1, 6, 9, 10, 0
10, BEAM, 1, 5, 10, 11, 0
11, BEAM, 1, 7, 11, 12, 0
12, BEAM, 1, 8, 12, 13, 0
13, BEAM, 1, 9, 13, 14, 0
14, BEAM, 1, 9, 14, 15, 0
15, BEAM, 1, 9, 15, 16, 0
16, BEAM, 1, 9, 16, 17, 0
17, BEAM, 1, 8, 17, 18, 0
18, BEAM, 1, 10, 18, 19, 0
19, BEAM, 1, 5, 19, 20, 0
20, BEAM, 1, 6, 20, 21, 0
21, BEAM, 1, 5, 21, 22, 0
22, BEAM, 1, 7, 22, 23, 0
23, BEAM, 1, 8, 23, 24, 0
24, BEAM, 1, 9, 24, 25, 0
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26, BEAM, 1, 9, 26, 27, 0
27, BEAM, 1, 11, 27, 28, 0
28, BEAM, 1, 12, 28, 29, 0
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73, BEAM, 1, 9, 74, 75, 0
74, BEAM, 1, 8, 75, 76, 0
75, BEAM, 1, 10, 76, 77, 0
76, BEAM, 1, 5, 77, 78, 0

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78. BEAM , 1, 7, 79, 80, 0
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117. BEAM , 1, 46, 9, 67, 0
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119. BEAM , 1, 48, 30, 88, 0
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121. BEAM , 1, 50, 50, 108, 0
122. BEAM , 1, 51, 2, 60, 0
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125. BEAM , 1, 54, 5, 63, 0
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127. BEAM , 1, 56, 7, 65, 0
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129. BEAM , 1, 58, 10, 68, 0
130. BEAM , 1, 59, 11, 69, 0
131. BEAM , 1, 60, 12, 70, 0
132. BEAM , 1, 61, 13, 71, 0
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134. BEAM , 1, 63, 15, 73, 0
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152. BEAM , 1, 81, 35, 93, 0
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154. BEAM , 1, 83, 37, 95, 0
155. BEAM , 1, 84, 38, 96, 0
156. BEAM , 1, 85, 39, 97, 0
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158. BEAM , 1, 87, 42, 100, 0
159. BEAM , 1, 88, 43, 101, 0
160. BEAM , 1, 89, 44, 102, 0
161. BEAM , 1, 90, 45, 103, 0
162. BEAM , 1, 91, 46, 104, 0
163. BEAM , 1, 92, 47, 105, 0
164. BEAM , 1, 93, 48, 106, 0
165. BEAM , 1, 94, 49, 107, 0
166. BEAM , 1, 95, 51, 109, 0
167. BEAM , 1, 96, 52, 110, 0
168. BEAM , 1, 97, 53, 111, 0
169. BEAM , 1, 98, 54, 112, 0
170. BEAM , 1, 99, 55, 113, 0
171. BEAM , 1, 100, 56, 114, 0
172. BEAM , 1, 101, 57, 115, 0
*GROUP : Group
: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
가르보 , 115to172, 0
G1 , 59to116, 58to114, 0
G2 , 1to58, 1to57, 0
*MATERIAL : Material
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1] : STEEL, CONC, USER
: IMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] ; SRC
: [DATA1] : 1, DB, NAME, CODE
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS : Orthotropic
: [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
1, STEEL, 거더 , 0, 0, , C, NO, 0.05, 1, KS10-Civil(S), , SM490

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*MATL-COLOR
: IMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
: 1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*SECTION : Section
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] : 1st line - DB/USER
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, ICEL : 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERL_OUT, PERL_IN, Cy, Cz : 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF : 1st line - SRC
: D1, D2 [SRC] : 2nd line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 : 1st line - COMBINED
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 : 1st line - TAPERED
: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE : 2nd line(STYPE=DB)
: DB, NAME1, NAME2 : 2nd line(STYPE=USER)
: [DIM1], [DIM2] : 2nd line(STYPE=VALUE)
: D11, D12, D13, D14, D15, D16, D17, D18 : 3rd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 4th line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERL_OUT1, PERL_IN1, Cy1, Cz1 : 5th line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 6th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 7th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 8th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERL_OUT2, PERL_IN2, Cy2, Cz2 : 9th line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 2nd line(STYPE=PSC)
: OPT1, OPT2, [JOINT] : 2nd line(STYPE=PSC-CMPW)
: ELAST, DEN, POIS, POIC : 3rd line(STYPE=PSC)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd line(STYPE=PSC-CMPW)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 4th line(STYPE=PSC)
: bUSERDEFMESHESIZE, MESHESIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 5th line(STYPE=PSC)
: [SIZE-A]- : 6th line(STYPE=PSC)
: [SIZE-B]- : 7th line(STYPE=PSC)
: [SIZE-C]- : 8th line(STYPE=PSC)
: [SIZE-D]- : 9th line(STYPE=PSC)
: [SIZE-A]- : 10th line(STYPE=PSC)
: [SIZE-B]- : 11th line(STYPE=PSC)
: [SIZE-C]- : 12th line(STYPE=PSC)
: [SIZE-D]- : 2nd line(STYPE=CMP-B/I)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 3rd line(STYPE=CMP-B/I)
: SW_I, HW_I, tw_I, B_I, Bf1_I, tf1_I, B2_I, Bf2_I, tf2_I : 4th line(STYPE=CMP-B/I)
: SW_J, HW_J, tw_J, B_J, Bf1_J, tf1_J, B2_J, Bf2_J, tf2_J : 5th line(STYPE=CMP-B)
: N1, N2, Hr, Hr2, tr1, tr2 : 2nd line(STYPE=CMP-CI/CT)
: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_I, SW_J : 3rd line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 4th line(STYPE=CMP-CI/CT)
: [SIZE-A]- : 5th line(STYPE=CMP-CI/CT)
: [SIZE-B]- : 6th line(STYPE=CMP-CI/CT)
: [SIZE-C]- : 7th line(STYPE=CMP-CI/CT)
: [SIZE-D]- : 8th line(STYPE=CMP-CI/CT)
: [SIZE-A]- : 9th line(STYPE=CMP-CI/CT)
: [SIZE-B]- : 10th line(STYPE=CMP-CI/CT)
: [SIZE-C]- : 11th line(STYPE=CMP-CI/CT)
: [SIZE-D]- : 1st line - CONSTRUCT
: ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 : Before (STYPE1)
: SHAPE, ..., (same with other type data from shape) : After (STYPE2)
: SHAPE, ..., (same with other type data from shape) : 1st line - COMPOSITE-SB
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 2nd line
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 3rd line
: N1, N2, Hr, Hr2, tr1, tr2 : 4th line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 1st line - COMPOSITE-SI
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 2nd line
: Hw, tw, B, tf1, B2, tf2 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 1st line - COMPOSITE-CI/CT
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 2nd line
: OPT1, OPT2, [JOINT] : 3rd line
: [SIZE-A]- : 4th line
: [SIZE-B]- : 5th line
: [SIZE-C]- : 6th line
: [SIZE-D]- : 7th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb : 1st line - PSC
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 2nd line
: OPT1, OPT2, [JOINT] : 3rd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 4th line
: bUSERDEFMESHESIZE, MESHESIZE, bUSERINPSTIFF, [STIFF] : 5th line
: [SIZE-A]- : 6th line
: [SIZE-B]- : 7th line
: [SIZE-C]- : 8th line
: [SIZE-D]- : 8th line
[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
[DATA2] : CSHAPE or ICEL or IN1, IN2
[SRCE] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2
[DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
[OFFSET] : OFFSET, ICENT, IREF, IHORZ, HUSER, IVERT, VUSER
[OFFSET2] : OFFSET, ICENT, IREF, IHORZ, HUSERI, HUSERJ, IVERT, VUSERI, VUSERJ
[JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
[SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
[SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
[SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
[SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
[STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
[SCCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
[WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
[CMPWEB] : EFD, LRF, A, B, H, T
1, VALUE : G1, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.327113, 0.0784, 0.056, 0.233213, 0.227054, 0.59542
1.407, 1.407, 1, 1, 1.8763, 2.37713, 9.572, 9.516, 1.407, 1
-1.407, 1.393, 1.393, -1.407, 1, 1, -1, -1, 0.105073, 0.132182
2, VALUE : G2, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.335513, 0.0784, 0.0644, 0.285644, 0.302261, 0.612049
1.407, 1.407, 1.15, 1.15, 2.24545, 2.58818, 10.172, 10.116, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.125745, 0.143942
3, VALUE : G3, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.014, 2.8, 0.016, 0, 0, 0
0.351713, 0.0896, 0.0644, 0.300019, 0.336534, 0.621049
1.407, 1.407, 1.15, 1.15, 2.47018, 2.38592, 10.172, 10.108, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.13833, 0.151626
4, VALUE : G4, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.024, 2.8, 0.024, 0, 0, 0
0.395513, 0.1344, 0.0644, 0.342021, 0.418515, 0.657049
1.407, 1.407, 1.15, 1.15, 3.36514, 1.91399, 10.172, 10.076, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.188448, 0.182358
5, VALUE : G5, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.018, 0.024, 2.8, 0.024, 0, 0, 0
0.41391, 0.1344, 0.0828, 0.402114, 0.432123, 0.693942

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1.409, 1.409, 1.15, 1.15, 2.7582, 2.18254, 10.164, 10.068, 1.409, 1.15
-1.409, 1.391, 1.391, -1.409, 1.15, 1.15, -1.15, -1.15, 0.198591, 0.207581
6. VALUE G6 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.018, 0.032, 2.8, 0.032, 0, 0, 0
0.46191, 0.1792, 0.0828, 0.440977, 0.511011, 0.729942
1.409, 1.409, 1.15, 1.15, 3.44736, 1.87873, 10.164, 10.036, 1.409, 1.15
-1.409, 1.391, 1.391, -1.409, 1.15, 1.15, -1.15, -1.15, 0.24821, 0.238134
7. VALUE G7 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.024, 2.8, 0.024, 0, 0, 0
0.38631, 0.1344, 0.0552, 0.307581, 0.411515, 0.638681
1.406, 1.406, 1.15, 1.15, 3.82034, 1.78, 10.176, 10.08, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.183376, 0.169747
8. VALUE G8 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.016, 2.8, 0.016, 0, 0, 0
0.34251, 0.0896, 0.0552, 0.273081, 0.328589, 0.602681
1.406, 1.406, 1.15, 1.15, 2.77471, 2.18422, 10.176, 10.112, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.133186, 0.138925
9. VALUE G9 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.012, 2.8, 0.012, 0, 0, 0
0.31431, 0.0672, 0.0552, 0.246931, 0.271323, 0.584681
1.406, 1.406, 1.15, 1.15, 2.24912, 2.58845, 10.176, 10.128, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.107958, 0.123514
10. VALUE G10 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.024, 2.8, 0.024, 0, 0, 0
0.39051, 0.1344, 0.0552, 0.307581, 0.412572, 0.638681
1.406, 1.406, 1.15, 1.15, 3.82034, 1.78, 10.176, 10.08, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.183376, 0.169747
11. VALUE G11 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.012, 2.8, 0.012, 0, 0, 0
0.31851, 0.0672, 0.0552, 0.246931, 0.284869, 0.584681
1.406, 1.406, 1.15, 1.15, 2.24912, 2.58845, 10.176, 10.128, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.107958, 0.123514
12. VALUE G12 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.012, 0.018, 2.8, 0.018, 0, 0, 0
0.35451, 0.1008, 0.0552, 0.283412, 0.349965, 0.611681
1.406, 1.406, 1.15, 1.15, 3.03681, 2.04948, 10.176, 10.104, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.145767, 0.14663
13. VALUE G13 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.014, 0.018, 2.8, 0.018, 0, 0, 0
0.35951, 0.1008, 0.0644, 0.312498, 0.356768, 0.630049
1.407, 1.407, 1.15, 1.15, 2.69451, 2.22861, 10.172, 10.1, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.150893, 0.159309
14. VALUE G14 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.014, 0.026, 2.8, 0.026, 0, 0, 0
0.40751, 0.1456, 0.0644, 0.349965, 0.438724, 0.666049
1.407, 1.407, 1.15, 1.15, 3.58789, 1.84138, 10.172, 10.068, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.200922, 0.190042
15. VALUE G15 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.014, 0.018, 2.8, 0.018, 0, 0, 0
0.36371, 0.1008, 0.0644, 0.312498, 0.357654, 0.630049
1.407, 1.407, 1.15, 1.15, 2.69451, 2.22861, 10.172, 10.1, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.150893, 0.159309
16. VALUE G16 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.33971, 0.0784, 0.0644, 0.285644, 0.315133, 0.612049
1.407, 1.407, 1.15, 1.15, 2.24545, 2.58818, 10.172, 10.116, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.125745, 0.143942
31. VALUE 가로보 CC, 0, 0, 0, 0, 0, 0, 0, YES, H , BUILT, 1.2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0
0.0216, 0.006, 0.0144, 1.0368e-006, 0.00437219, 5.41728e-005
0.15, 0.15, 0.6, 0.6, 0.351072, 0.01125, 3.552, 0.15, 0.6
-0.15, 0.15, 0.15, -0.15, 0.6, 0.6, -0.6, -0.6, 0.00842573, 0.000582336
32. VALUE CROSS BOX-1 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2, 1.5, 0.014, 0.014, 1.5, 0.014, 0, 0, 0
0.250513, 0.042, 0.056, 0.0772444, 0.152437, 0.297702
0.757, 0.757, 1, 1, 1.23085, 1.03293, 6.972, 6.916, 0.757, 1
-0.757, 0.743, 0.743, -0.757, 1, 1, -1, -1, 0.0689275, 0.057162
33. VALUE CROSS BOX-2 CC, 0, 0, 0, 0, 0, 0, 0, YES, B , BUILT, 2.3, 2.2, 0.014, 0.014, 2.2, 0.014, 0, 0, 0
0.312275, 0.0616, 0.0644, 0.167414, 0.270722, 0.360524
1.107, 1.107, 1.15, 1.15, 1.90255, 1.87028, 8.972, 8.916, 1.107, 1.15
-1.107, 1.093, 1.093, -1.107, 1.15, 1.15, -1.15, -1.15, 0.106543, 0.103858
*SECT-COLOR
: ISEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
5, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
6, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
9, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
12, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
13, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
14, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
15, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
16, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
31, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
32, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
33, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*DGN-SECT
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, ICEL ; 1st line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz ; 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF ; 1st line - SRC
: D1, D2, [SRC] ; 2nd line
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
: ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
: ISEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, lyVAR, izVAR, STYPE ; 1st line - TAPERED
: DB, NAME1, NAME2 ; 2nd line(STYPE=DB)
: [DIM1], [DIM2] ; 2nd line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 ; 6th line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] ; 2nd line(STYPE=PSC)
: ELAST, DEN, POIS, POIC ; 2nd line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th line(STYPE=PSC)
: [SIZE-A]-I ; 5th line(STYPE=PSC)
: [SIZE-B]-I ; 6th line(STYPE=PSC)
: [SIZE-C]-I ; 7th line(STYPE=PSC)
: [SIZE-D]-I ; 8th line(STYPE=PSC)

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[SIZE-A] : 9th line(STYPE=PSC)
[SIZE-B] : 10th line(STYPE=PSC)
[SIZE-C] : 11th line(STYPE=PSC)
[SIZE-D] : 12th line(STYPE=PSC)
GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd line(STYPE=CMP-B/I)
SW_1, Hw_1, tw_1, B_1, Bf1_1, tf1_1, B2_1, Bf2_1, tf2_1 : 3rd line(STYPE=CMP-B/I)
SW_2, Hw_2, tw_2, B_2, Bf1_2, tf1_2, B2_2, Bf2_2, tf2_2 : 4th line(STYPE=CMP-B/I)
N1, N2, Hr, Hr2, tr1, tr2 : 5th line(STYPE=CMP-B)
GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_1, SW_2 : 2nd line(STYPE=CMP-CI/CT)
OPT1, OPT2, [JOINT] : 3rd line(STYPE=CMP-CI/CT)
[SIZE-A] : 4th line(STYPE=CMP-CI/CT)
[SIZE-B] : 5th line(STYPE=CMP-CI/CT)
[SIZE-C] : 6th line(STYPE=CMP-CI/CT)
[SIZE-D] : 7th line(STYPE=CMP-CI/CT)
[SIZE-A] : 8th line(STYPE=CMP-CI/CT)
[SIZE-B] : 9th line(STYPE=CMP-CI/CT)
[SIZE-C] : 10th line(STYPE=CMP-CI/CT)
[SIZE-D] : 11th line(STYPE=CMP-CI/CT)
ISEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 : 1st line - CONSTRUCT
SHAPE, ... (same with other type data from shape) : Before (STYPE1)
SHAPE, ... (same with other type data from shape) : After (STYPE2)
ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SB
Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line
N1, N2, Hr, Hr2, tr1, tr2 : 3rd line
SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line
ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-SI
Hw, tw, B, tf1, B2, tf2 : 2nd line
SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line
ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - COMPOSITE-CI/CT
OPT1, OPT2, [JOINT] : 2nd line
[SIZE-A] : 3rd line
[SIZE-B] : 4th line
[SIZE-C] : 5th line
[SIZE-D] : 6th line
SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb : 7th line
ISEC, TYPE, SNAME, [OFFSET], bSD, SHAPE : 1st line - PSC
OPT1, OPT2, [JOINT] : 2nd line
bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
bUSERDEFMESH, MESH, MESH, bUSERINPSTIFF, [STIFF] : 4th line
[SIZE-A] : 5th line
[SIZE-B] : 6th line
[SIZE-C] : 7th line
[SIZE-D] : 8th line
[DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
[DATA2] : CSHAPES or ICEL or IN1, IN2
[SRG] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, IN1, IN2
[DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
[OFFSET] : OFFSET, ICENT, IREF, IHORZ, HUSER, IVERT, VUSER
[OFFSET2] : OFFSET, ICENT, IREF, IHORZ, HUSER, HUSERJ, IVERT, VUSER, VUSERJ
[JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
[SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
[SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
[SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
[SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
[STIFF] : AREA, ASY, ASZ, Ixx, Iyy, Izz
[SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
[WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
[CMPEWB] : EFD, LRF, A, B, H, T
1, VALUE : G1, CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.327113, 0.0784, 0.056, 0.233213, 0.227054, 0.59542
1.407, 1.407, 1, 1, 1.8763, 2.37713, 9.572, 9.516, 1.407, 1
-1.407, 1.393, 1.393, -1.407, 1, 1, -1, -1, 0.105073, 0.132182
2, VALUE : G2, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.335513, 0.0784, 0.0644, 0.285644, 0.302261, 0.612049
1.407, 1.407, 1.15, 1.15, 2.24545, 2.58818, 10.172, 10.116, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.125745, 0.143942
3, VALUE : G3, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.016, 2.8, 0.016, 0, 0, 0
0.351713, 0.0896, 0.0644, 0.300019, 0.336534, 0.621049
1.407, 1.407, 1.15, 1.15, 2.47018, 2.38592, 10.172, 10.108, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.13833, 0.151626
4, VALUE : G4, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.024, 2.8, 0.024, 0, 0, 0
0.395513, 0.1344, 0.0644, 0.342021, 0.418515, 0.657049
1.407, 1.407, 1.15, 1.15, 3.36514, 1.91399, 10.172, 10.076, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.188448, 0.182358
5, VALUE : G5, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.018, 0.024, 2.8, 0.024, 0, 0, 0
0.41391, 0.1344, 0.0828, 0.402114, 0.432123, 0.693942
1.409, 1.409, 1.15, 1.15, 2.7582, 2.18254, 10.164, 10.068, 1.409, 1.15
-1.409, 1.391, 1.391, -1.409, 1.15, 1.15, -1.15, -1.15, 0.198591, 0.207581
6, VALUE : G6, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.018, 0.032, 2.8, 0.032, 0, 0, 0
0.46191, 0.1792, 0.0828, 0.440977, 0.511011, 0.729942
1.409, 1.409, 1.15, 1.15, 3.44736, 1.87873, 10.164, 10.036, 1.409, 1.15
-1.409, 1.391, 1.391, -1.409, 1.15, 1.15, -1.15, -1.15, 0.24821, 0.238134
7, VALUE : G7, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.024, 2.8, 0.024, 0, 0, 0
0.38631, 0.1344, 0.0552, 0.307581, 0.411515, 0.638681
1.406, 1.406, 1.15, 1.15, 3.82034, 1.78, 10.176, 10.08, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.183376, 0.169747
8, VALUE : G8, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.016, 2.8, 0.016, 0, 0, 0
0.34251, 0.0896, 0.0552, 0.273081, 0.328589, 0.602681
1.406, 1.406, 1.15, 1.15, 2.77471, 2.18422, 10.176, 10.112, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.133186, 0.138925
9, VALUE : G9, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.012, 2.8, 0.012, 0, 0, 0
0.31431, 0.0672, 0.0552, 0.246931, 0.271323, 0.584681
1.406, 1.406, 1.15, 1.15, 2.24912, 2.58845, 10.176, 10.128, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.107958, 0.123514
10, VALUE : G10, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.024, 2.8, 0.024, 0, 0, 0
0.39051, 0.1344, 0.0552, 0.307581, 0.412572, 0.638681
1.406, 1.406, 1.15, 1.15, 3.82034, 1.78, 10.176, 10.08, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.183376, 0.169747
11, VALUE : G11, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.012, 2.8, 0.012, 0, 0, 0
0.31851, 0.0672, 0.0552, 0.246931, 0.284869, 0.584681
1.406, 1.406, 1.15, 1.15, 2.24912, 2.58845, 10.176, 10.128, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.107958, 0.123514
12, VALUE : G12, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.012, 0.018, 2.8, 0.018, 0, 0, 0
0.35451, 0.1008, 0.0552, 0.283412, 0.349965, 0.611681
1.406, 1.406, 1.15, 1.15, 3.03681, 2.04948, 10.176, 10.104, 1.406, 1.15
-1.406, 1.394, 1.394, -1.406, 1.15, 1.15, -1.15, -1.15, 0.145767, 0.14663
13, VALUE : G13, CC, 0, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.018, 2.8, 0.018, 0, 0, 0
0.35951, 0.1008, 0.0644, 0.312498, 0.356768, 0.630049
1.407, 1.407, 1.15, 1.15, 2.69451, 2.22861, 10.172, 10.1, 1.407, 1.15

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-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.150893, 0.159309
14, VALUE, G14, CC, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.026, 2.8, 0.026, 0, 0, 0
0.40751, 0.1456, 0.0644, 0.349965, 0.438724, 0.666049
1.407, 1.407, 1.15, 1.15, 3.58789, 1.84138, 10.172, 10.068, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.200922, 0.190042
15, VALUE, G15, CC, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.018, 2.8, 0.018, 0, 0, 0
0.36371, 0.1008, 0.0644, 0.312498, 0.357654, 0.630049
1.407, 1.407, 1.15, 1.15, 2.69451, 2.22861, 10.172, 10.1, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.150893, 0.159309
16, VALUE, G16, CC, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.8, 0.014, 0.014, 2.8, 0.014, 0, 0, 0
0.33971, 0.0784, 0.0644, 0.285644, 0.315133, 0.612049
1.407, 1.407, 1.15, 1.15, 2.24545, 2.58818, 10.172, 10.116, 1.407, 1.15
-1.407, 1.393, 1.393, -1.407, 1.15, 1.15, -1.15, -1.15, 0.125745, 0.143942
31, VALUE, 카로브, CC, 0, 0, 0, 0, 0, 0, YES, H, BUILT, 1.2, 0.3, 0.012, 0.012, 0.3, 0.012, 0, 0, 0
0.0216, 0.006, 0.0144, 1.0368e-006, 0.00437219, 5.41728e-005
0.15, 0.15, 0.6, 0.6, 0.351072, 0.01125, 3.552, 0, 0.15, 0.6
-0.15, 0.15, 0.15, -0.15, 0.6, 0.6, -0.6, 0.00842573, 0.000582336
32, VALUE, CROSS BOX-1, CC, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2, 1.5, 0.014, 0.014, 1.5, 0.014, 0, 0, 0
0.250513, 0.042, 0.056, 0.0772444, 0.152437, 0.297702
0.757, 0.757, 1, 1, 1.23085, 1.03293, 6.972, 6.916, 0.757, 1
-0.757, 0.743, 0.743, -0.757, 1, 1, -1, 0.0689275, 0.057162
33, VALUE, CROSS BOX-2, CC, 0, 0, 0, 0, 0, 0, YES, B, BUILT, 2.3, 2.2, 0.014, 0.014, 2.2, 0.014, 0, 0, 0
0.312275, 0.0616, 0.0644, 0.167414, 0.270722, 0.360524
1.107, 1.107, 1.15, 1.15, 1.90255, 1.87028, 8.972, 8.916, 1.107, 1.15
-1.107, 1.093, 1.093, -1.107, 1.15, 1.15, -1.15, -1.15, 0.106543, 0.103858
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
고정하중, USER,
T1, USER,
T2, USER,
T3, USER,
T4, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
30, 101000,
88, 111000,
1, 9, 20, 40, 50, 58, 001000,
59, 67, 78, 98, 108, 116, 011000,
*OFFSET : Beam End Offsets
: ELEM_LIST, TYPE, RGDxi, RGDyi, RGDzi, RGDxi, RGDyi, RGDzi, GROUP : TYPE=GLOBAL
: ELEM_LIST, TYPE, RGDxi, RGDj, GROUP : TYPE=ELEMENT
115, ELEMENT, 1, 4, 1, 4,
116, ELEMENT, 1, 4, 1, 4,
117, ELEMENT, 1, 4, 1, 4,
118, ELEMENT, 1, 4, 1, 4,
119, ELEMENT, 1, 4, 1, 4,
120, ELEMENT, 1, 4, 1, 4,
121, ELEMENT, 1, 4, 1, 4,
122, ELEMENT, 1, 4, 1, 4,
123, ELEMENT, 1, 4, 1, 4,
124, ELEMENT, 1, 4, 1, 4,
125, ELEMENT, 1, 4, 1, 4,
126, ELEMENT, 1, 4, 1, 4,
127, ELEMENT, 1, 4, 1, 4,
128, ELEMENT, 1, 4, 1, 4,
129, ELEMENT, 1, 4, 1, 4,
130, ELEMENT, 1, 4, 1, 4,
131, ELEMENT, 1, 4, 1, 4,
132, ELEMENT, 1, 4, 1, 4,
133, ELEMENT, 1, 4, 1, 4,
134, ELEMENT, 1, 4, 1, 4,
135, ELEMENT, 1, 4, 1, 4,
136, ELEMENT, 1, 4, 1, 4,
137, ELEMENT, 1, 4, 1, 4,
138, ELEMENT, 1, 4, 1, 4,
139, ELEMENT, 1, 4, 1, 4,
140, ELEMENT, 1, 4, 1, 4,
141, ELEMENT, 1, 4, 1, 4,
142, ELEMENT, 1, 4, 1, 4,
143, ELEMENT, 1, 4, 1, 4,
144, ELEMENT, 1, 4, 1, 4,
145, ELEMENT, 1, 4, 1, 4,
146, ELEMENT, 1, 4, 1, 4,
147, ELEMENT, 1, 4, 1, 4,
148, ELEMENT, 1, 4, 1, 4,
149, ELEMENT, 1, 4, 1, 4,
150, ELEMENT, 1, 4, 1, 4,
151, ELEMENT, 1, 4, 1, 4,
152, ELEMENT, 1, 4, 1, 4,
153, ELEMENT, 1, 4, 1, 4,
154, ELEMENT, 1, 4, 1, 4,
155, ELEMENT, 1, 4, 1, 4,
156, ELEMENT, 1, 4, 1, 4,
157, ELEMENT, 1, 4, 1, 4,
158, ELEMENT, 1, 4, 1, 4,
159, ELEMENT, 1, 4, 1, 4,
160, ELEMENT, 1, 4, 1, 4,
161, ELEMENT, 1, 4, 1, 4,
162, ELEMENT, 1, 4, 1, 4,
163, ELEMENT, 1, 4, 1, 4,
164, ELEMENT, 1, 4, 1, 4,
165, ELEMENT, 1, 4, 1, 4,
166, ELEMENT, 1, 4, 1, 4,
167, ELEMENT, 1, 4, 1, 4,
168, ELEMENT, 1, 4, 1, 4,
169, ELEMENT, 1, 4, 1, 4,
170, ELEMENT, 1, 4, 1, 4,
171, ELEMENT, 1, 4, 1, 4,
172, ELEMENT, 1, 4, 1, 4,
*USE-STLD, 고정하중
*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
1, BEAM, UNIMOMENT, LX, NO, NO, aDir[1], , , , 0, 47.944, 1, 47.944, 0, 0, 0, 0, , NO, 0, 0, NO
1, BEAM, UNILOAD, GZ, NO, NO, aDir[1], , , , 0, -39.59, 1, -39.59, 0, 0, 0, 0, , NO, 0, 0, NO
2, BEAM, UNIMOMENT, LX, NO, NO, aDir[1], , , , 0, 47.944, 1, 47.944, 0, 0, 0, 0, , NO, 0, 0, NO

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111, BEAM , UNILOAD, GZ, NO , NO, aDir[1], . . . , 0, -39.59, 1, -39.59, 0, 0, 0, 0, , NO, 0, 0, NO
112, BEAM , UNILOAD, GZ, NO , NO, aDir[1], . . . , 0, -39.59, 1, -39.59, 0, 0, 0, 0, , NO, 0, 0, NO
112, BEAM , UNIMOMENT, LX, NO , NO, aDir[1], . . . , 0, -47.944, 1, -47.944, 0, 0, 0, 0, , NO, 0, 0, NO
113, BEAM , UNIMOMENT, LX, NO , NO, aDir[1], . . . , 0, -47.944, 1, -47.944, 0, 0, 0, 0, , NO, 0, 0, NO
113, BEAM , UNILOAD, GZ, NO , NO, aDir[1], . . . , 0, -39.59, 1, -39.59, 0, 0, 0, 0, , NO, 0, 0, NO
114, BEAM , UNIMOMENT, LX, NO , NO, aDir[1], . . . , 0, -47.944, 1, -47.944, 0, 0, 0, 0, , NO, 0, 0, NO
114, BEAM , UNILOAD, GZ, NO , NO, aDir[1], . . . , 0, -39.59, 1, -39.59, 0, 0, 0, 0, , NO, 0, 0, NO
: End of data for load case [고정하중] -----
*USE-STLD, T1
*THEGRAD , Temperature Gradient
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, TY, bUSEHY, HY, GROUP
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, GROUP
1, 1, 10, YES, 0, 0, YES, 0,
2, 1, 10, YES, 0, 0, YES, 0,
3, 1, 10, YES, 0, 0, YES, 0,
4, 1, 10, YES, 0, 0, YES, 0,
5, 1, 10, YES, 0, 0, YES, 0,
6, 1, 10, YES, 0, 0, YES, 0,
7, 1, 10, YES, 0, 0, YES, 0,
8, 1, 10, YES, 0, 0, YES, 0,
9, 1, 10, YES, 0, 0, YES, 0,
10, 1, 10, YES, 0, 0, YES, 0,
11, 1, 10, YES, 0, 0, YES, 0,
12, 1, 10, YES, 0, 0, YES, 0,
13, 1, 10, YES, 0, 0, YES, 0,
14, 1, 10, YES, 0, 0, YES, 0,
15, 1, 10, YES, 0, 0, YES, 0,
16, 1, 10, YES, 0, 0, YES, 0,
17, 1, 10, YES, 0, 0, YES, 0,
18, 1, 10, YES, 0, 0, YES, 0,
19, 1, 10, YES, 0, 0, YES, 0,
20, 1, 10, YES, 0, 0, YES, 0,
21, 1, 10, YES, 0, 0, YES, 0,
22, 1, 10, YES, 0, 0, YES, 0,
23, 1, 10, YES, 0, 0, YES, 0,
24, 1, 10, YES, 0, 0, YES, 0,
25, 1, 10, YES, 0, 0, YES, 0,
26, 1, 10, YES, 0, 0, YES, 0,
27, 1, 10, YES, 0, 0, YES, 0,
28, 1, 10, YES, 0, 0, YES, 0,
29, 1, 10, YES, 0, 0, YES, 0,
30, 1, 10, YES, 0, 0, YES, 0,
31, 1, 10, YES, 0, 0, YES, 0,
32, 1, 10, YES, 0, 0, YES, 0,
33, 1, 10, YES, 0, 0, YES, 0,
34, 1, 10, YES, 0, 0, YES, 0,
35, 1, 10, YES, 0, 0, YES, 0,
36, 1, 10, YES, 0, 0, YES, 0,
37, 1, 10, YES, 0, 0, YES, 0,
38, 1, 10, YES, 0, 0, YES, 0,
39, 1, 10, YES, 0, 0, YES, 0,
40, 1, 10, YES, 0, 0, YES, 0,
41, 1, 10, YES, 0, 0, YES, 0,
42, 1, 10, YES, 0, 0, YES, 0,
43, 1, 10, YES, 0, 0, YES, 0,
44, 1, 10, YES, 0, 0, YES, 0,
45, 1, 10, YES, 0, 0, YES, 0,
46, 1, 10, YES, 0, 0, YES, 0,
47, 1, 10, YES, 0, 0, YES, 0,
48, 1, 10, YES, 0, 0, YES, 0,
49, 1, 10, YES, 0, 0, YES, 0,
50, 1, 10, YES, 0, 0, YES, 0,
51, 1, 10, YES, 0, 0, YES, 0,
52, 1, 10, YES, 0, 0, YES, 0,
53, 1, 10, YES, 0, 0, YES, 0,
54, 1, 10, YES, 0, 0, YES, 0,
55, 1, 10, YES, 0, 0, YES, 0,
56, 1, 10, YES, 0, 0, YES, 0,
57, 1, 10, YES, 0, 0, YES, 0,
58, 1, 10, YES, 0, 0, YES, 0,
59, 1, 10, YES, 0, 0, YES, 0,
60, 1, 10, YES, 0, 0, YES, 0,
61, 1, 10, YES, 0, 0, YES, 0,
62, 1, 10, YES, 0, 0, YES, 0,
63, 1, 10, YES, 0, 0, YES, 0,
64, 1, 10, YES, 0, 0, YES, 0,
65, 1, 10, YES, 0, 0, YES, 0,
66, 1, 10, YES, 0, 0, YES, 0,
67, 1, 10, YES, 0, 0, YES, 0,
68, 1, 10, YES, 0, 0, YES, 0,
69, 1, 10, YES, 0, 0, YES, 0,
70, 1, 10, YES, 0, 0, YES, 0,
71, 1, 10, YES, 0, 0, YES, 0,
72, 1, 10, YES, 0, 0, YES, 0,
73, 1, 10, YES, 0, 0, YES, 0,
74, 1, 10, YES, 0, 0, YES, 0,
75, 1, 10, YES, 0, 0, YES, 0,
76, 1, 10, YES, 0, 0, YES, 0,
77, 1, 10, YES, 0, 0, YES, 0,
78, 1, 10, YES, 0, 0, YES, 0,
79, 1, 10, YES, 0, 0, YES, 0,
80, 1, 10, YES, 0, 0, YES, 0,
81, 1, 10, YES, 0, 0, YES, 0,
82, 1, 10, YES, 0, 0, YES, 0,
83, 1, 10, YES, 0, 0, YES, 0,
84, 1, 10, YES, 0, 0, YES, 0,
85, 1, 10, YES, 0, 0, YES, 0,
86, 1, 10, YES, 0, 0, YES, 0,
87, 1, 10, YES, 0, 0, YES, 0,
88, 1, 10, YES, 0, 0, YES, 0,
89, 1, 10, YES, 0, 0, YES, 0,
90, 1, 10, YES, 0, 0, YES, 0,
91, 1, 10, YES, 0, 0, YES, 0,
92, 1, 10, YES, 0, 0, YES, 0,
93, 1, 10, YES, 0, 0, YES, 0,
94, 1, 10, YES, 0, 0, YES, 0,
95, 1, 10, YES, 0, 0, YES, 0,
96, 1, 10, YES, 0, 0, YES, 0,
97, 1, 10, YES, 0, 0, YES, 0,

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98, 1, 10, YES, 0, 0, YES, 0,
99, 1, 10, YES, 0, 0, YES, 0,
100, 1, 10, YES, 0, 0, YES, 0,
101, 1, 10, YES, 0, 0, YES, 0,
102, 1, 10, YES, 0, 0, YES, 0,
103, 1, 10, YES, 0, 0, YES, 0,
104, 1, 10, YES, 0, 0, YES, 0,
105, 1, 10, YES, 0, 0, YES, 0,
106, 1, 10, YES, 0, 0, YES, 0,
107, 1, 10, YES, 0, 0, YES, 0,
108, 1, 10, YES, 0, 0, YES, 0,
109, 1, 10, YES, 0, 0, YES, 0,
110, 1, 10, YES, 0, 0, YES, 0,
111, 1, 10, YES, 0, 0, YES, 0,
112, 1, 10, YES, 0, 0, YES, 0,
113, 1, 10, YES, 0, 0, YES, 0,
114, 1, 10, YES, 0, 0, YES, 0,
: End of data for load case [T1] -----
*USE-STLD, T2
*THERGRAD, : Temperature Gradient
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, TY, bUSEHY, HY, GROUP
: ELEM_LIST, IETYP, TZ, bUSEHZ, HZ, GROUP
1, 1, -10, YES, 0, 0, YES, 0,
2, 1, -10, YES, 0, 0, YES, 0,
3, 1, -10, YES, 0, 0, YES, 0,
4, 1, -10, YES, 0, 0, YES, 0,
5, 1, -10, YES, 0, 0, YES, 0,
6, 1, -10, YES, 0, 0, YES, 0,
7, 1, -10, YES, 0, 0, YES, 0,
8, 1, -10, YES, 0, 0, YES, 0,
9, 1, -10, YES, 0, 0, YES, 0,
10, 1, -10, YES, 0, 0, YES, 0,
11, 1, -10, YES, 0, 0, YES, 0,
12, 1, -10, YES, 0, 0, YES, 0,
13, 1, -10, YES, 0, 0, YES, 0,
14, 1, -10, YES, 0, 0, YES, 0,
15, 1, -10, YES, 0, 0, YES, 0,
16, 1, -10, YES, 0, 0, YES, 0,
17, 1, -10, YES, 0, 0, YES, 0,
18, 1, -10, YES, 0, 0, YES, 0,
19, 1, -10, YES, 0, 0, YES, 0,
20, 1, -10, YES, 0, 0, YES, 0,
21, 1, -10, YES, 0, 0, YES, 0,
22, 1, -10, YES, 0, 0, YES, 0,
23, 1, -10, YES, 0, 0, YES, 0,
24, 1, -10, YES, 0, 0, YES, 0,
25, 1, -10, YES, 0, 0, YES, 0,
26, 1, -10, YES, 0, 0, YES, 0,
27, 1, -10, YES, 0, 0, YES, 0,
28, 1, -10, YES, 0, 0, YES, 0,
29, 1, -10, YES, 0, 0, YES, 0,
30, 1, -10, YES, 0, 0, YES, 0,
31, 1, -10, YES, 0, 0, YES, 0,
32, 1, -10, YES, 0, 0, YES, 0,
33, 1, -10, YES, 0, 0, YES, 0,
34, 1, -10, YES, 0, 0, YES, 0,
35, 1, -10, YES, 0, 0, YES, 0,
36, 1, -10, YES, 0, 0, YES, 0,
37, 1, -10, YES, 0, 0, YES, 0,
38, 1, -10, YES, 0, 0, YES, 0,
39, 1, -10, YES, 0, 0, YES, 0,
40, 1, -10, YES, 0, 0, YES, 0,
41, 1, -10, YES, 0, 0, YES, 0,
42, 1, -10, YES, 0, 0, YES, 0,
43, 1, -10, YES, 0, 0, YES, 0,
44, 1, -10, YES, 0, 0, YES, 0,
45, 1, -10, YES, 0, 0, YES, 0,
46, 1, -10, YES, 0, 0, YES, 0,
47, 1, -10, YES, 0, 0, YES, 0,
48, 1, -10, YES, 0, 0, YES, 0,
49, 1, -10, YES, 0, 0, YES, 0,
50, 1, -10, YES, 0, 0, YES, 0,
51, 1, -10, YES, 0, 0, YES, 0,
52, 1, -10, YES, 0, 0, YES, 0,
53, 1, -10, YES, 0, 0, YES, 0,
54, 1, -10, YES, 0, 0, YES, 0,
55, 1, -10, YES, 0, 0, YES, 0,
56, 1, -10, YES, 0, 0, YES, 0,
57, 1, -10, YES, 0, 0, YES, 0,
58, 1, -10, YES, 0, 0, YES, 0,
59, 1, -10, YES, 0, 0, YES, 0,
60, 1, -10, YES, 0, 0, YES, 0,
61, 1, -10, YES, 0, 0, YES, 0,
62, 1, -10, YES, 0, 0, YES, 0,
63, 1, -10, YES, 0, 0, YES, 0,
64, 1, -10, YES, 0, 0, YES, 0,
65, 1, -10, YES, 0, 0, YES, 0,
66, 1, -10, YES, 0, 0, YES, 0,
67, 1, -10, YES, 0, 0, YES, 0,
68, 1, -10, YES, 0, 0, YES, 0,
69, 1, -10, YES, 0, 0, YES, 0,
70, 1, -10, YES, 0, 0, YES, 0,
71, 1, -10, YES, 0, 0, YES, 0,
72, 1, -10, YES, 0, 0, YES, 0,
73, 1, -10, YES, 0, 0, YES, 0,
74, 1, -10, YES, 0, 0, YES, 0,
75, 1, -10, YES, 0, 0, YES, 0,
76, 1, -10, YES, 0, 0, YES, 0,
77, 1, -10, YES, 0, 0, YES, 0,
78, 1, -10, YES, 0, 0, YES, 0,
79, 1, -10, YES, 0, 0, YES, 0,
80, 1, -10, YES, 0, 0, YES, 0,
81, 1, -10, YES, 0, 0, YES, 0,
82, 1, -10, YES, 0, 0, YES, 0,
83, 1, -10, YES, 0, 0, YES, 0,
84, 1, -10, YES, 0, 0, YES, 0,
85, 1, -10, YES, 0, 0, YES, 0,
86, 1, -10, YES, 0, 0, YES, 0,
87, 1, -10, YES, 0, 0, YES, 0,

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88, 1, -10, YES, 0, 0, YES, 0,
89, 1, -10, YES, 0, 0, YES, 0,
90, 1, -10, YES, 0, 0, YES, 0,
91, 1, -10, YES, 0, 0, YES, 0,
92, 1, -10, YES, 0, 0, YES, 0,
93, 1, -10, YES, 0, 0, YES, 0,
94, 1, -10, YES, 0, 0, YES, 0,
95, 1, -10, YES, 0, 0, YES, 0,
96, 1, -10, YES, 0, 0, YES, 0,
97, 1, -10, YES, 0, 0, YES, 0,
98, 1, -10, YES, 0, 0, YES, 0,
99, 1, -10, YES, 0, 0, YES, 0,
100, 1, -10, YES, 0, 0, YES, 0,
101, 1, -10, YES, 0, 0, YES, 0,
102, 1, -10, YES, 0, 0, YES, 0,
103, 1, -10, YES, 0, 0, YES, 0,
104, 1, -10, YES, 0, 0, YES, 0,
105, 1, -10, YES, 0, 0, YES, 0,
106, 1, -10, YES, 0, 0, YES, 0,
107, 1, -10, YES, 0, 0, YES, 0,
108, 1, -10, YES, 0, 0, YES, 0,
109, 1, -10, YES, 0, 0, YES, 0,
110, 1, -10, YES, 0, 0, YES, 0,
111, 1, -10, YES, 0, 0, YES, 0,
112, 1, -10, YES, 0, 0, YES, 0,
113, 1, -10, YES, 0, 0, YES, 0,
114, 1, -10, YES, 0, 0, YES, 0,
: End of data for load case [T2] -----
*USE-STLD, T3
*ELTEMPER : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
1, 10,
2, 10,
3, 10,
4, 10,
5, 10,
6, 10,
7, 10,
8, 10,
9, 10,
10, 10,
11, 10,
12, 10,
13, 10,
14, 10,
15, 10,
16, 10,
17, 10,
18, 10,
19, 10,
20, 10,
21, 10,
22, 10,
23, 10,
24, 10,
25, 10,
26, 10,
27, 10,
28, 10,
29, 10,
30, 10,
31, 10,
32, 10,
33, 10,
34, 10,
35, 10,
36, 10,
37, 10,
38, 10,
39, 10,
40, 10,
41, 10,
42, 10,
43, 10,
44, 10,
45, 10,
46, 10,
47, 10,
48, 10,
49, 10,
50, 10,
51, 10,
52, 10,
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59, 10,
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61, 10,
62, 10,
63, 10,
64, 10,
65, 10,
66, 10,
67, 10,
68, 10,
69, 10,
70, 10,
71, 10,
72, 10,
73, 10,
74, 10,
75, 10,
76, 10,
77, 10,
78, 10,

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79, 10.
80, 10.
81, 10.
82, 10.
83, 10.
84, 10.
85, 10.
86, 10.
87, 10.
88, 10.
89, 10.
90, 10.
91, 10.
92, 10.
93, 10.
94, 10.
95, 10.
96, 10.
97, 10.
98, 10.
99, 10.
100, 10.
101, 10.
102, 10.
103, 10.
104, 10.
105, 10.
106, 10.
107, 10.
108, 10.
109, 10.
110, 10.
111, 10.
112, 10.
113, 10.
114, 10.
: End of data for load case [T3] -----
*USE-STLD, T4
*ELTEMPER, : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
1, -10.
2, -10.
3, -10.
4, -10.
5, -10.
6, -10.
7, -10.
8, -10.
9, -10.
10, -10.
11, -10.
12, -10.
13, -10.
14, -10.
15, -10.
16, -10.
17, -10.
18, -10.
19, -10.
20, -10.
21, -10.
22, -10.
23, -10.
24, -10.
25, -10.
26, -10.
27, -10.
28, -10.
29, -10.
30, -10.
31, -10.
32, -10.
33, -10.
34, -10.
35, -10.
36, -10.
37, -10.
38, -10.
39, -10.
40, -10.
41, -10.
42, -10.
43, -10.
44, -10.
45, -10.
46, -10.
47, -10.
48, -10.
49, -10.
50, -10.
51, -10.
52, -10.
53, -10.
54, -10.
55, -10.
56, -10.
57, -10.
58, -10.
59, -10.
60, -10.
61, -10.
62, -10.
63, -10.
64, -10.
65, -10.
66, -10.
67, -10.
68, -10.
69, -10.
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70, -10.
71, -10.
72, -10.
73, -10.
74, -10.
75, -10.
76, -10.
77, -10.
78, -10.
79, -10.
80, -10.
81, -10.
82, -10.
83, -10.
84, -10.
85, -10.
86, -10.
87, -10.
88, -10.
89, -10.
90, -10.
91, -10.
92, -10.
93, -10.
94, -10.
95, -10.
96, -10.
97, -10.
98, -10.
99, -10.
100, -10.
101, -10.
102, -10.
103, -10.
104, -10.
105, -10.
106, -10.
107, -10.
108, -10.
109, -10.
110, -10.
111, -10.
112, -10.
113, -10.
114, -10.
; End of data for load case [T4] -----
*MLDCCODE : Moving Load Code
; CODE=CODE
; CODE=KOREA
*LINELANE : Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS : line 1
; IELEM1, ECC1, FACT1, bSPAN1 : from line 2
; NAME=L1(G1 MAX), LANE, 0, 0, BOTH, 3, 1.8
58, -0.7, 0.189, YES, 59, -0.7, 0.189, NO, 60, -0.7, 0.189, NO
61, -0.7, 0.189, NO, 62, -0.7, 0.189, NO, 63, -0.7, 0.189, NO
64, -0.7, 0.172, YES, 65, -0.7, 0.172, NO, 66, -0.7, 0.172, NO
67, -0.7, 0.172, NO, 68, -0.7, 0.172, NO, 69, -0.7, 0.158, YES
70, -0.7, 0.158, NO, 71, -0.7, 0.158, NO, 72, -0.7, 0.158, NO
73, -0.7, 0.162, YES, 74, -0.7, 0.162, NO, 75, -0.7, 0.162, NO
76, -0.7, 0.162, NO, 77, -0.7, 0.162, NO, 78, -0.7, 0.162, NO
79, -0.7, 0.167, YES, 80, -0.7, 0.167, NO, 81, -0.7, 0.167, NO
82, -0.7, 0.167, NO, 83, -0.7, 0.167, NO, 84, -0.7, 0.167, NO
85, -0.7, 0.167, NO, 86, -0.7, 0.167, NO, 87, -0.7, 0.167, NO
88, -0.7, 0.167, NO, 89, -0.7, 0.167, NO, 90, -0.7, 0.167, NO
91, -0.7, 0.167, NO, 92, -0.7, 0.167, NO, 93, -0.7, 0.167, NO
94, -0.7, 0.167, NO, 95, -0.7, 0.167, NO, 96, -0.7, 0.167, NO
97, -0.7, 0.167, NO, 98, -0.7, 0.167, NO, 99, -0.7, 0.167, NO
100, -0.7, 0.167, NO, 101, -0.7, 0.167, NO, 102, -0.7, 0.167, NO
103, -0.7, 0.167, NO, 104, -0.7, 0.167, NO, 105, -0.7, 0.177, YES
106, -0.7, 0.177, NO, 107, -0.7, 0.177, NO, 108, -0.7, 0.177, NO
109, -0.7, 0.189, YES, 110, -0.7, 0.189, NO, 111, -0.7, 0.189, NO
112, -0.7, 0.189, NO, 113, -0.7, 0.189, NO, 114, -0.7, 0.189, NO
NAME=L1(G2 MAX), LANE, 0, 0, BOTH, 3, 1.8
58, 7.3, 0.189, YES, 59, 7.3, 0.189, NO, 60, 7.3, 0.189, NO
61, 7.3, 0.189, NO, 62, 7.3, 0.189, NO, 63, 7.3, 0.189, NO
64, 7.3, 0.172, YES, 65, 7.3, 0.172, NO, 66, 7.3, 0.172, NO
67, 7.3, 0.172, NO, 68, 7.3, 0.172, NO, 69, 7.3, 0.158, YES
70, 7.3, 0.158, NO, 71, 7.3, 0.158, NO, 72, 7.3, 0.158, NO
73, 7.3, 0.162, YES, 74, 7.3, 0.162, NO, 75, 7.3, 0.162, NO
76, 7.3, 0.162, NO, 77, 7.3, 0.162, NO, 78, 7.3, 0.162, NO
79, 7.3, 0.167, YES, 80, 7.3, 0.167, NO, 81, 7.3, 0.167, NO
82, 7.3, 0.167, NO, 83, 7.3, 0.167, NO, 84, 7.3, 0.167, NO
85, 7.3, 0.167, NO, 86, 7.3, 0.167, NO, 87, 7.3, 0.167, NO
88, 7.3, 0.167, NO, 89, 7.3, 0.167, NO, 90, 7.3, 0.167, NO
91, 7.3, 0.167, NO, 92, 7.3, 0.167, NO, 93, 7.3, 0.167, NO
94, 7.3, 0.167, NO, 95, 7.3, 0.167, NO, 96, 7.3, 0.167, NO
97, 7.3, 0.167, NO, 98, 7.3, 0.167, NO, 99, 7.3, 0.167, NO
100, 7.3, 0.167, NO, 101, 7.3, 0.167, NO, 102, 7.3, 0.167, NO
103, 7.3, 0.167, NO, 104, 7.3, 0.167, NO, 105, 7.3, 0.177, YES
106, 7.3, 0.177, NO, 107, 7.3, 0.177, NO, 108, 7.3, 0.177, NO
109, 7.3, 0.189, YES, 110, 7.3, 0.189, NO, 111, 7.3, 0.189, NO
112, 7.3, 0.189, NO, 113, 7.3, 0.189, NO, 114, 7.3, 0.189, NO
NAME=L2(G1 MAX), CROSS, 가로보, 0, 0, BOTH, 3, 1.8
58, 2.633, 0.189, YES, 59, 2.633, 0.189, NO
60, 2.633, 0.189, NO, 61, 2.633, 0.189, NO
62, 2.633, 0.189, NO, 63, 2.633, 0.189, NO
64, 2.633, 0.172, YES, 65, 2.633, 0.172, NO
66, 2.633, 0.172, NO, 67, 2.633, 0.172, NO
68, 2.633, 0.172, NO, 69, 2.633, 0.158, YES
70, 2.633, 0.158, NO, 71, 2.633, 0.158, NO
72, 2.633, 0.158, NO, 73, 2.633, 0.162, YES
74, 2.633, 0.162, NO, 75, 2.633, 0.162, NO
76, 2.633, 0.162, NO, 77, 2.633, 0.162, NO
78, 2.633, 0.162, NO, 79, 2.633, 0.167, YES
80, 2.633, 0.167, NO, 81, 2.633, 0.167, NO
82, 2.633, 0.167, NO, 83, 2.633, 0.167, NO
84, 2.633, 0.167, NO, 85, 2.633, 0.167, NO
86, 2.633, 0.167, NO, 87, 2.633, 0.167, NO
88, 2.633, 0.167, NO, 89, 2.633, 0.167, NO

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90, 2.633, 0.167, NO, 91, 2.633, 0.167, NO
92, 2.633, 0.167, NO, 93, 2.633, 0.167, NO
94, 2.633, 0.167, NO, 95, 2.633, 0.167, NO
96, 2.633, 0.167, NO, 97, 2.633, 0.167, NO
98, 2.633, 0.167, NO, 99, 2.633, 0.167, NO
100, 2.633, 0.167, NO, 101, 2.633, 0.167, NO
102, 2.633, 0.167, NO, 103, 2.633, 0.167, NO
104, 2.633, 0.167, NO, 105, 2.633, 0.177, YES
106, 2.633, 0.177, NO, 107, 2.633, 0.177, NO
108, 2.633, 0.177, NO, 109, 2.633, 0.189, YES
110, 2.633, 0.189, NO, 111, 2.633, 0.189, NO
112, 2.633, 0.189, NO, 113, 2.633, 0.189, NO
114, 2.633, 0.189, NO
NAME=L2(G2 MAX), CROSS, 가로보, 0, 0, BOTH, 3, 1.8
58, 2.967, 0.189, YES, 59, 2.967, 0.189, NO
60, 2.967, 0.189, NO, 61, 2.967, 0.189, NO
62, 2.967, 0.189, NO, 63, 2.967, 0.189, NO
64, 2.967, 0.172, YES, 65, 2.967, 0.172, NO
66, 2.967, 0.172, NO, 67, 2.967, 0.158, YES
68, 2.967, 0.172, NO, 69, 2.967, 0.158, YES
70, 2.967, 0.158, NO, 71, 2.967, 0.158, NO
72, 2.967, 0.158, NO, 73, 2.967, 0.162, YES
74, 2.967, 0.162, NO, 75, 2.967, 0.162, NO
76, 2.967, 0.162, NO, 77, 2.967, 0.162, NO
78, 2.967, 0.162, NO, 79, 2.967, 0.167, YES
80, 2.967, 0.167, NO, 81, 2.967, 0.167, NO
82, 2.967, 0.167, NO, 83, 2.967, 0.167, NO
84, 2.967, 0.167, NO, 85, 2.967, 0.167, NO
86, 2.967, 0.167, NO, 87, 2.967, 0.167, NO
88, 2.967, 0.167, NO, 89, 2.967, 0.167, NO
90, 2.967, 0.167, NO, 91, 2.967, 0.167, NO
92, 2.967, 0.167, NO, 93, 2.967, 0.167, NO
94, 2.967, 0.167, NO, 95, 2.967, 0.167, NO
96, 2.967, 0.167, NO, 97, 2.967, 0.167, NO
98, 2.967, 0.167, NO, 99, 2.967, 0.167, NO
100, 2.967, 0.167, NO, 101, 2.967, 0.167, NO
102, 2.967, 0.167, NO, 103, 2.967, 0.167, NO
104, 2.967, 0.167, NO, 105, 2.967, 0.177, YES
106, 2.967, 0.177, NO, 107, 2.967, 0.177, NO
108, 2.967, 0.177, NO, 109, 2.967, 0.189, YES
110, 2.967, 0.189, NO, 111, 2.967, 0.189, NO
112, 2.967, 0.189, NO, 113, 2.967, 0.189, NO
114, 2.967, 0.189, NO
NAME=L3(G1 MAX), LANE, , 0, 0, BOTH, 3, 1.8
58, 6.416, 0.189, YES, 59, 6.416, 0.189, NO
60, 6.416, 0.189, NO, 61, 6.416, 0.189, NO
62, 6.416, 0.189, NO, 63, 6.416, 0.189, NO
64, 6.416, 0.172, YES, 65, 6.416, 0.172, NO
66, 6.416, 0.172, NO, 67, 6.416, 0.172, NO
68, 6.416, 0.172, NO, 69, 6.416, 0.158, YES
70, 6.416, 0.158, NO, 71, 6.416, 0.158, NO
72, 6.416, 0.158, NO, 73, 6.416, 0.162, YES
74, 6.416, 0.162, NO, 75, 6.416, 0.162, NO
76, 6.416, 0.162, NO, 77, 6.416, 0.162, NO
78, 6.416, 0.162, NO, 79, 6.416, 0.167, YES
80, 6.416, 0.167, NO, 81, 6.416, 0.167, NO
82, 6.416, 0.167, NO, 83, 6.416, 0.167, NO
84, 6.416, 0.167, NO, 85, 6.416, 0.167, NO
86, 6.416, 0.167, NO, 87, 6.416, 0.167, NO
88, 6.416, 0.167, NO, 89, 6.416, 0.167, NO
90, 6.416, 0.167, NO, 91, 6.416, 0.167, NO
92, 6.416, 0.167, NO, 93, 6.416, 0.167, NO
94, 6.416, 0.167, NO, 95, 6.416, 0.167, NO
96, 6.416, 0.167, NO, 97, 6.416, 0.167, NO
98, 6.416, 0.167, NO, 99, 6.416, 0.167, NO
100, 6.416, 0.167, NO, 101, 6.416, 0.167, NO
102, 6.416, 0.167, NO, 103, 6.416, 0.167, NO
104, 6.416, 0.167, NO, 105, 6.416, 0.177, YES
106, 6.416, 0.177, NO, 107, 6.416, 0.177, NO
108, 6.416, 0.177, NO, 109, 6.416, 0.189, YES
110, 6.416, 0.189, NO, 111, 6.416, 0.189, NO
112, 6.416, 0.189, NO, 113, 6.416, 0.189, NO
114, 6.416, 0.189, NO
NAME=L3(G2 MAX), LANE, , 0, 0, BOTH, 3, 1.8
58, -0.336, 0.189, YES, 59, -0.336, 0.189, NO
60, -0.336, 0.189, NO, 61, -0.336, 0.189, NO
62, -0.336, 0.189, NO, 63, -0.336, 0.189, NO
64, -0.336, 0.172, YES, 65, -0.336, 0.172, NO
66, -0.336, 0.172, NO, 67, -0.336, 0.172, NO
68, -0.336, 0.172, NO, 69, -0.336, 0.158, YES
70, -0.336, 0.158, NO, 71, -0.336, 0.158, NO
72, -0.336, 0.158, NO, 73, -0.336, 0.162, YES
74, -0.336, 0.162, NO, 75, -0.336, 0.162, NO
76, -0.336, 0.162, NO, 77, -0.336, 0.162, NO
78, -0.336, 0.162, NO, 79, -0.336, 0.167, YES
80, -0.336, 0.167, NO, 81, -0.336, 0.167, NO
82, -0.336, 0.167, NO, 83, -0.336, 0.167, NO
84, -0.336, 0.167, NO, 85, -0.336, 0.167, NO
86, -0.336, 0.167, NO, 87, -0.336, 0.167, NO
88, -0.336, 0.167, NO, 89, -0.336, 0.167, NO
90, -0.336, 0.167, NO, 91, -0.336, 0.167, NO
92, -0.336, 0.167, NO, 93, -0.336, 0.167, NO
94, -0.336, 0.167, NO, 95, -0.336, 0.167, NO
96, -0.336, 0.167, NO, 97, -0.336, 0.167, NO
98, -0.336, 0.167, NO, 99, -0.336, 0.167, NO
100, -0.336, 0.167, NO, 101, -0.336, 0.167, NO
102, -0.336, 0.167, NO, 103, -0.336, 0.167, NO
104, -0.336, 0.167, NO, 105, -0.336, 0.177, YES
106, -0.336, 0.177, NO, 107, -0.336, 0.177, NO
108, -0.336, 0.177, NO, 109, -0.336, 0.189, YES
110, -0.336, 0.189, NO, 111, -0.336, 0.189, NO
112, -0.336, 0.189, NO, 113, -0.336, 0.189, NO
114, -0.336, 0.189, NO
*VEHICLE : Vehicles
: if Moving Load Code is China
: NAME=NAME, 1, TYPE=NAME, CODE : standard
: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD] : user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user: from line 2
: [TRUCK/LANE] : 1, P, Qm, Qq : truck(JTG)

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[TRUCK/LANE] : 2, P, Qm, Qq ; lane load1
[TRUCK/LANE] : 3, Qk, PK1, L1, PK2, L2 ; lane load2
[TRUCK/LANE] : 4, dW, dD ; crawler type
[TRUCK/LANE] : 5 ; GC type load
[TRAIN/SUBWAY] : ITYPE, W1, D1, W2, D2 ; train-type1,3
[TRAIN/SUBWAY] : ITYPE, DD, FD, BD, MAINCOUNT ; train-type2
[TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway
[CROWD] : 1, dW1 ; crowd-type1
[CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ; crowd-type2
if Moving Load Type is India
NAME=NAME, 1, TYPE=NAME, CODE ; standard
NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST ; user: line 1
NAME=NAME, 2, bWTB, dD1, dD2, NDIST ; user: line 2
LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
if Moving Load Code is CANADA
NAME=NAME, 1, TYPE=NAME, DLA, CODE, [DYNA] ; standard
NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] ; user: line 1
LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
[DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE ; Dynamic Load Allowance
if Moving Load Code is BS
NAME=NAME, 1, TYPE=NAME, CODE, UNITNUM ; standard
NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4 ; HA, HA & HB, HA & HB(Auto)
NAME=NAME, 2, ISTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM ; user(BS 5400)
NAME=NAME, 2, ISTYPE, [BD37/01-HA], [BD37/01-HB] ; user(BS BD37/01)
NAME=NAME, 2, ISTYPE, W, L ; user(Pedestrian)
[BS-DATA-HA] : W1, W2, W3, EXP, L1, L2, Pa
[BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
if Moving Load Code is EUROCODE
NAME=NAME, 1, ITYPE, TYPE=NAME, PSY1, PSY2, PHI, [AF7] ; standard (LM1, FLM1)
NAME=NAME, 1, ITYPE, TYPE=NAME, bDF, bU, PHI, PSY, ADJ, IN ; standard (others)
NAME=NAME, 2, 1, [AF7] ; user(Type 1)
[LOAD7], D, PHI, TPSY, UPSY ; user(Type 1): line 2
NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... ; user(Type 2)
NAME=NAME, 2, 3 ; user(Type 3)
[LOADCASE1] ; user(Type 3): line 2
[LOADCASE2] ; user(Type 3): line 3
[LOADCASE3] ; user(Type 3): line 4
NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... ; user(Type 4)
NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 ; user(Type 5)
[VEHICLE1] ; user(Type 5): line 2
[VEHICLE2] ; user(Type 5): line 3
[VEHICLE3] ; user(Type 5): line 4
[AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 ; adjustment factor
[LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 ; tandem/udl loads
[LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... ; load case
[VEHICLE] : bUSE, N, P1, L1, P2, L2, ... ; vehicle
if Moving Load Code is RUSSIA
NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC ; standard (SK)
NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC ; standard (SK FATIGUE)
NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC ; standard (AK)
NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC ; standard (N14)
NAME=NAME, 1, ITYPE, K, nDYNAFAC, dDYNAFAC ; standard (N11)
NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC ; standard (SUBWAY TRAINS)
NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC ; standard (TRAMCARS)
NAME=NAME, 1, ITYPE, nDYNAFAC, dDYNAFAC ; standard (NK-80)
NAME=NAME, 1, ITYPE, W, D, nDYNAFAC, dDYNAFAC ; standard (NG-60)
NAME=NAME, 1, ITYPE, BRIDGETYPE, W ; standard (UNIFORM LOAD)
NAME=NAME, 1, ITYPE, BRIDGETYPE, W ; standard (UNIFORM LOAD(W/O OTHER LOADS))
NAME=NAME, 1, ITYPE, BRIDGETYPE, P ; standard (CONCENTRATED LOAD (W/O OTHER LOADS))
NAME=NAME, 2, ITYPE, W, nDYNAFAC, dDYNAFAC ; user (Type 1)
NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC ; user (Type 2)
NAME=NAME, 2, ITYPE, Variable, nDYNAFAC, dDYNAFAC ; user (Type 3)
NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC ; user (Type 4)
NAME=NAME, 2, ITYPE, nDYNAFAC, dDYNAFAC ; user (Type 5)
NAME=NAME, 2, ITYPE, W, D, nDYNAFAC, dDYNAFAC ; user (Type 6)
NAME=NAME, 2, ITYPE, P, W ; user (Type 7)
if Moving Load Code is KSCE-LSD12
NAME=NAME, 1, TYPE=NAME, nLANETYPE, dDYNAFAC, CODE ; standard
NAME=NAME, 2, W1 ; user: line 1
LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
if Moving Load Code is AASHTO LRFD, CANADA and Load Type is Permit Truck
NAME=NAME, 3, AXLE-TYPE=NUM, IMP-FACTOR ; user(Permit Truck)
AXLE-TYPE=NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn ; user(from line 2)
AXLE-TYPE=NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2, ... ; line 2+AXLE-TYPE=NUM
if Moving Load Code is not one of those specified above.
NAME=NAME, 1, TYPE=NAME, DLA, CODE ; standard
NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST ; user: line 1
LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
NAME=DB-24, 1, DB-24, 0, KS-RB
NAME=DL-24, 1, DL-24, 0, KS-RB
*MLDCase : Moving Load Cases
NAME=NAME, bLCPV, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC ; 1st line
nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 ; 2nd line
TYPE1, VCLASS1, SCALE1, IMIN1, IMAX1, LANE11, LANE12, ... ; 3rd line
; ... ; n+1th line
NAME=NAME, bLCPV, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
NAME=물하중, NO, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT,
1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, L1(G1 MAX), L2(G1 MAX), L3(G1 MAX)
VL, DB-24, 1, 1, 3, L1(G2 MAX), L2(G2 MAX), L3(G2 MAX)
VL, DL-24, 1, 1, 3, L1(G1 MAX), L2(G1 MAX), L3(G1 MAX)
VL, DL-24, 1, 1, 3, L1(G2 MAX), L2(G2 MAX), L3(G2 MAX)
*SM-GROUP : Settlement Group
: GRNAME, DISPLACEMENT, NODE_LIST
A1, -0.01, 1 59
P1, -0.01, 9 67
P2, -0.01, 20 78
P3, -0.01, 30 88
P4, -0.01, 40 98
P5, -0.01, 50 108
A2, -0.01, 58 116
*SMLDCase : Settlement Load Cases
: NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
: GRNAME1, GRNAME2, ... ; from line 2
NAME=SM, 1, 7, 1,
A1, P1, P2, P3, P4, P5, A2

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    SECT=10, YES  
0, 0  
    SECT=11, YES  
0, 0  
    SECT=12, YES  
0, 0  
    SECT=13, YES  
0, 0  
    SECT=14, YES  
0, 0  
    SECT=15, YES  
0, 0  
    SECT=16, YES  
0, 0  
    SECT=31, YES  
0, 0  
    SECT=32, YES  
0, 0  
    SECT=33, YES  
0, 0  
*ENDDATA
```

※ 자세한 입력자료 및 출력자료는 CD참조