```
;------------------------------------------------------------
-----------------
;  MIDAS/Civil Text(MCT) File.
;  Date :
;------------------------------------------------------------
-----------------
*VERSION
   8.7.5
*UNIT     ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*PROJINFO     ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX,
CLIENT, TITLE, ENGINEER, EDATE        ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3,
APPROVE, ADATE, COMMENT                    ; One Line per
Data
   USER=Park HJ
   ADDRESS=111
*STRUCTYPE     ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV,
TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
      0, 1, 1, NO, NO, 9.806, 0, YES, NO, NO
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD240, KS01-Civil(RC), SD240
*NODE     ; Nodes
; iNO, X, Y, Z
   101, 0, 3.125, 0
   102, 0.44, 3.125, 0
   103, 8.64, 3.125, 0
   104, 9.13, 3.125, 0
   105, 11.433, 3.125, 0
   106, 17.84, 3.125, 0
   107, 25.248, 3.125, 0
   108, 27.04, 3.125, 0
   109, 33.881, 3.125, 0
   110, 36.24, 3.125, 0
   111, 36.911, 3.125, 0
   112, 37.911, 3.125, 0
   113, 38.476, 3.125, 0
   114, 40.789, 3.125, 0
   115, 45.44, 3.125, 0
   116, 49.998, 3.125, 0
   117, 52.28, 3.125, 0
   118, 52.877, 3.125, 0
   119, 53.877, 3.125, 0
   120, 54.64, 3.125, 0
   121, 56.555, 3.125, 0
   122, 64.361, 3.125, 0
   123, 65.04, 3.125, 0
   124, 75.84, 3.125, 0
   125, 76.473, 3.125, 0
   126, 84.029, 3.125, 0
   127, 86.24, 3.125, 0
   128, 86.957, 3.125, 0
   129, 87.957, 3.125, 0
   130, 88.524, 3.125, 0
   131, 90.835, 3.125, 0
   132, 95.44, 3.125, 0
   133, 100.045, 3.125, 0
   134, 102.356, 3.125, 0
   135, 102.923, 3.125, 0
   136, 103.923, 3.125, 0
   137, 104.64, 3.125, 0
   138, 106.851, 3.125, 0
   139, 114.407, 3.125, 0
   140, 115.04, 3.125, 0
   141, 125.84, 3.125, 0
   142, 126.519, 3.125, 0
   143, 134.325, 3.125, 0
   144, 136.24, 3.125, 0
   145, 137.003, 3.125, 0
   146, 138.003, 3.125, 0
   147, 138.6, 3.125, 0
   148, 140.881, 3.125, 0
   149, 145.44, 3.125, 0
   150, 149.691, 3.125, 0
   151, 151.802, 3.125, 0
   152, 152.32, 3.125, 0
   153, 153.32, 3.125, 0
   154, 153.84, 3.125, 0
   155, 155.998, 3.125, 0
   156, 162.24, 3.125, 0
   157, 162.83, 3.125, 0
   158, 163.882, 3.125, 0
   159, 170.64, 3.125, 0
   160, 176.495, 3.125, 0
   161, 178.596, 3.125, 0
   162, 179.04, 3.125, 0
   163, 187.44, 3.125, 0
   164, 187.87, 3.125, 0
   201, 0, -3.125, 0
   202, 0.44, -3.125, 0
   203, 8.64, -3.125, 0
   204, 9.13, -3.125, 0
   205, 11.433, -3.125, 0
   206, 17.84, -3.125, 0
   207, 25.248, -3.125, 0
   208, 27.04, -3.125, 0
   209, 33.881, -3.125, 0
   210, 36.24, -3.125, 0
   211, 36.911, -3.125, 0
   212, 37.911, -3.125, 0
   213, 38.476, -3.125, 0
   214, 40.789, -3.125, 0
   215, 45.44, -3.125, 0
   216, 49.998, -3.125, 0
   217, 52.28, -3.125, 0
   218, 52.877, -3.125, 0
   219, 53.877, -3.125, 0
   220, 54.64, -3.125, 0
   221, 56.555, -3.125, 0
   222, 64.361, -3.125, 0
   223, 65.04, -3.125, 0
   224, 75.84, -3.125, 0
   225, 76.473, -3.125, 0
   226, 84.029, -3.125, 0
   227, 86.24, -3.125, 0
   228, 86.957, -3.125, 0
   229, 87.957, -3.125, 0
   230, 88.524, -3.125, 0
```

```
  231, 90.835, -3.125, 0
  232, 95.44, -3.125, 0
  233, 100.045, -3.125, 0
  234, 102.356, -3.125, 0
  235, 102.923, -3.125, 0
  236, 103.923, -3.125, 0
  237, 104.64, -3.125, 0
  238, 106.851, -3.125, 0
  239, 114.407, -3.125, 0
  240, 115.04, -3.125, 0
  241, 125.84, -3.125, 0
  242, 126.519, -3.125, 0
  243, 134.325, -3.125, 0
  244, 136.24, -3.125, 0
  245, 137.003, -3.125, 0
  246, 138.003, -3.125, 0
  247, 138.6, -3.125, 0
  248, 140.881, -3.125, 0
  249, 145.44, -3.125, 0
  250, 149.691, -3.125, 0
  251, 151.802, -3.125, 0
  252, 152.32, -3.125, 0
  253, 153.32, -3.125, 0
  254, 153.84, -3.125, 0
  255, 155.998, -3.125, 0
  256, 162.24, -3.125, 0
  257, 162.83, -3.125, 0
  258, 163.882, -3.125, 0
  259, 170.64, -3.125, 0
  260, 176.495, -3.125, 0
  261, 178.596, -3.125, 0
  262, 179.04, -3.125, 0
  263, 187.44, -3.125, 0
  264, 187.87, -3.125, 0
 1001, 0.44, 4.2, -1.9
 1002, 0.44, 2.05, -1.9
 1003, 45.44, 4.2, -1.9
 1004, 45.44, 2.05, -1.9
 1005, 95.44, 4.2, -1.9
 1006, 95.44, 2.05, -1.9
 1007, 145.44, 4.2, -1.9
 1008, 145.44, 2.05, -1.9
 1009, 187.44, 4.2, -1.9
 1010, 187.44, 2.05, -1.9
 2001, 0.44, -2.05, -1.9
 2002, 0.44, -4.2, -1.9
 2003, 45.44, -2.05, -1.9
 2004, 45.44, -4.2, -1.9
 2005, 95.44, -2.05, -1.9
 2006, 95.44, -4.2, -1.9
 2007, 145.44, -2.05, -1.9
 2008, 145.44, -4.2, -1.9
 2009, 187.44, -2.05, -1.9
 2010, 187.44, -4.2, -1.9
 2011, 45.04, -3.125, 0
 2012, 45.84, -3.125, 0
*ELEMENT  ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,
  ; 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 ,
LCAXIS  ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8
  ; Solid Element
  101, BEAM  ,  1,  1, 101, 102,  0,  0
  102, BEAM  ,  1,  1, 102, 103,  0,  0
  103, BEAM  ,  1,  1, 103, 104,  0,  0
  104, BEAM  ,  1,  2, 104, 105,  0,  0
  105, BEAM  ,  1,  2, 105, 106,  0,  0
  106, BEAM  ,  1,  2, 106, 107,  0,  0
  107, BEAM  ,  1,  2, 107, 108,  0,  0
  108, BEAM  ,  1,  3, 108, 109,  0,  0
  109, BEAM  ,  1,  4, 109, 110,  0,  0
  110, BEAM  ,  1,  4, 110, 111,  0,  0
  111, BEAM  ,  1,  5, 111, 112,  0,  0
  112, BEAM  ,  1,  5, 112, 113,  0,  0
  113, BEAM  ,  1,  6, 113, 114,  0,  0
  114, BEAM  ,  1,  7, 114, 115,  0,  0
  115, BEAM  ,  1,  7, 115, 116,  0,  0
  116, BEAM  ,  1,  8, 116, 117,  0,  0
  117, BEAM  ,  1,  9, 117, 118,  0,  0
  118, BEAM  ,  1,  9, 118, 119,  0,  0
  119, BEAM  ,  1, 10, 119, 120,  0,  0
  120, BEAM  ,  1, 10, 120, 121,  0,  0
  121, BEAM  ,  1, 11, 121, 122,  0,  0
  122, BEAM  ,  1, 11, 122, 123,  0,  0
  123, BEAM  ,  1, 11, 123, 124,  0,  0
  124, BEAM  ,  1, 11, 124, 125,  0,  0
  125, BEAM  ,  1, 11, 125, 126,  0,  0
  126, BEAM  ,  1, 12, 126, 127,  0,  0
  127, BEAM  ,  1,  1, 127, 128,  0,  0
  128, BEAM  ,  1, 13, 128, 129,  0,  0
  129, BEAM  ,  1, 13, 129, 130,  0,  0
  130, BEAM  ,  1, 14, 130, 131,  0,  0
  131, BEAM  ,  1, 15, 131, 132,  0,  0
  132, BEAM  ,  1, 15, 132, 133,  0,  0
  133, BEAM  ,  1, 14, 133, 134,  0,  0
  134, BEAM  ,  1, 13, 134, 135,  0,  0
  135, BEAM  ,  1, 13, 135, 136,  0,  0
  136, BEAM  ,  1, 12, 136, 137,  0,  0
  137, BEAM  ,  1, 12, 137, 138,  0,  0
  138, BEAM  ,  1, 11, 138, 139,  0,  0
  139, BEAM  ,  1, 11, 139, 140,  0,  0
  140, BEAM  ,  1, 11, 140, 141,  0,  0
  141, BEAM  ,  1, 11, 141, 142,  0,  0
  142, BEAM  ,  1, 11, 142, 143,  0,  0
  143, BEAM  ,  1, 10, 143, 144,  0,  0
  144, BEAM  ,  1, 10, 144, 145,  0,  0
  145, BEAM  ,  1,  9, 145, 146,  0,  0
  146, BEAM  ,  1,  9, 146, 147,  0,  0
  147, BEAM  ,  1,  8, 147, 148,  0,  0
  148, BEAM  ,  1,  7, 148, 149,  0,  0
  149, BEAM  ,  1,  7, 149, 150,  0,  0
  150, BEAM  ,  1,  6, 150, 151,  0,  0
  151, BEAM  ,  1,  5, 151, 152,  0,  0
  152, BEAM  ,  1,  5, 152, 153,  0,  0
  153, BEAM  ,  1,  4, 153, 154,  0,  0
  154, BEAM  ,  1,  4, 154, 155,  0,  0
  155, BEAM  ,  1,  3, 155, 156,  0,  0
  156, BEAM  ,  1,  3, 156, 157,  0,  0
  157, BEAM  ,  1,  2, 157, 158,  0,  0
```

```
158, BEAM  ,    1,    2,  158,  159,    0,    0
159, BEAM  ,    1,    2,  159,  160,    0,    0
160, BEAM  ,    1,    2,  160,  161,    0,    0
161, BEAM  ,    1,    1,  161,  162,    0,    0
162, BEAM  ,    1,    1,  162,  163,    0,    0
163, BEAM  ,    1,    1,  163,  164,    0,    0
201, BEAM  ,    1,    1,  201,  202,    0,    0
202, BEAM  ,    1,    1,  202,  203,    0,    0
203, BEAM  ,    1,    1,  203,  204,    0,    0
204, BEAM  ,    1,    2,  204,  205,    0,    0
205, BEAM  ,    1,    2,  205,  206,    0,    0
206, BEAM  ,    1,    2,  206,  207,    0,    0
207, BEAM  ,    1,    2,  207,  208,    0,    0
208, BEAM  ,    1,    3,  208,  209,    0,    0
209, BEAM  ,    1,    4,  209,  210,    0,    0
210, BEAM  ,    1,    4,  210,  211,    0,    0
211, BEAM  ,    1,    5,  211,  212,    0,    0
212, BEAM  ,    1,    5,  212,  213,    0,    0
213, BEAM  ,    1,    6,  213,  214,    0,    0
214, BEAM  ,    1,    7,  214, 2011,    0,    0
215, BEAM  ,    1,    7,  215, 2012,    0,    0
216, BEAM  ,    1,    8,  216,  217,    0,    0
217, BEAM  ,    1,    9,  217,  218,    0,    0
218, BEAM  ,    1,    9,  218,  219,    0,    0
219, BEAM  ,    1,   10,  219,  220,    0,    0
220, BEAM  ,    1,   10,  220,  221,    0,    0
221, BEAM  ,    1,   11,  221,  222,    0,    0
222, BEAM  ,    1,   11,  222,  223,    0,    0
223, BEAM  ,    1,   11,  223,  224,    0,    0
224, BEAM  ,    1,   11,  224,  225,    0,    0
225, BEAM  ,    1,   11,  225,  226,    0,    0
226, BEAM  ,    1,   12,  226,  227,    0,    0
227, BEAM  ,    1,    1,  227,  228,    0,    0
228, BEAM  ,    1,   13,  228,  229,    0,    0
229, BEAM  ,    1,   13,  229,  230,    0,    0
230, BEAM  ,    1,   14,  230,  231,    0,    0
231, BEAM  ,    1,   15,  231,  232,    0,    0
232, BEAM  ,    1,   15,  232,  233,    0,    0
233, BEAM  ,    1,   14,  233,  234,    0,    0
234, BEAM  ,    1,   13,  234,  235,    0,    0
235, BEAM  ,    1,   13,  235,  236,    0,    0
236, BEAM  ,    1,   12,  236,  237,    0,    0
237, BEAM  ,    1,   12,  237,  238,    0,    0
238, BEAM  ,    1,   11,  238,  239,    0,    0
239, BEAM  ,    1,   11,  239,  240,    0,    0
240, BEAM  ,    1,   11,  240,  241,    0,    0
241, BEAM  ,    1,   11,  241,  242,    0,    0
242, BEAM  ,    1,   11,  242,  243,    0,    0
243, BEAM  ,    1,   10,  243,  244,    0,    0
244, BEAM  ,    1,   10,  244,  245,    0,    0
245, BEAM  ,    1,    9,  245,  246,    0,    0
246, BEAM  ,    1,    9,  246,  247,    0,    0
247, BEAM  ,    1,    8,  247,  248,    0,    0
248, BEAM  ,    1,    7,  248,  249,    0,    0
249, BEAM  ,    1,    7,  249,  250,    0,    0
250, BEAM  ,    1,    6,  250,  251,    0,    0
251, BEAM  ,    1,    5,  251,  252,    0,    0
252, BEAM  ,    1,    5,  252,  253,    0,    0
253, BEAM  ,    1,    4,  253,  254,    0,    0
254, BEAM  ,    1,    4,  254,  255,    0,    0
255, BEAM  ,    1,    3,  255,  256,    0,    0
256, BEAM  ,    1,    3,  256,  257,    0,    0
257, BEAM  ,    1,    2,  257,  258,    0,    0
258, BEAM  ,    1,    2,  258,  259,    0,    0
259, BEAM  ,    1,    2,  259,  260,    0,    0
260, BEAM  ,    1,    2,  260,  261,    0,    0
261, BEAM  ,    1,    1,  261,  262,    0,    0
262, BEAM  ,    1,    1,  262,  263,    0,    0
263, BEAM  ,    1,    1,  263,  264,    0,    0
301, BEAM  ,    1,   16,  102,  202,    0,    0
302, BEAM  ,    1,   16,  103,  203,    0,    0
303, BEAM  ,    1,   16,  106,  206,    0,    0
304, BEAM  ,    1,   16,  108,  208,    0,    0
305, BEAM  ,    1,   16,  110,  210,    0,    0
306, BEAM  ,    1,   16,  115,  215,    0,    0
307, BEAM  ,    1,   16,  120,  220,    0,    0
308, BEAM  ,    1,   16,  123,  223,    0,    0
309, BEAM  ,    1,   16,  124,  224,    0,    0
310, BEAM  ,    1,   16,  127,  227,    0,    0
311, BEAM  ,    1,   16,  132,  232,    0,    0
312, BEAM  ,    1,   16,  137,  237,    0,    0
313, BEAM  ,    1,   16,  140,  240,    0,    0
314, BEAM  ,    1,   16,  141,  241,    0,    0
315, BEAM  ,    1,   16,  144,  244,    0,    0
316, BEAM  ,    1,   16,  149,  249,    0,    0
317, BEAM  ,    1,   16,  154,  254,    0,    0
318, BEAM  ,    1,   16,  156,  256,    0,    0
319, BEAM  ,    1,   16,  159,  259,    0,    0
320, BEAM  ,    1,   16,  162,  262,    0,    0
321, BEAM  ,    1,   16,  163,  263,    0,    0
322, BEAM  ,    1,    7, 2011,  215,    0,    0
323, BEAM  ,    1,    7, 2012,  216,    0,    0
*GROUP    ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  가로보     , 102 103to154by17 106to256by50 108 110 115 123 124to241by39 127 \
        132 140 141 144 149 159 162 203to254by17 208 210 215 223 224 227 232 240 \
        244 249 259 262 263, 301to321, 0
  현장이음   , 105 107 112 118 122 125 129 135 139 142 146 152 158 160 205 207 \
        212 218 222 225 229 235 239 242 246 252 258 260, , 0
  지점부     , 102 115 132 149 163 202 215 232 249 263, 301to321by5, 0
  주형 G1   , , 101to163, 0
  주형 G2   , , 201to263 322 323, 0
  교량받침 G1, 1001to1010, , 0
  교량받침 G2, 2001to2010, , 0
  주형ALL   , , 101to163 201to263 322 323, 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, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [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, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN, MASS
   1, USER , SM490                    , 0, 0, , C, YES, 0, 2,
```

2.1000e+008, 0.3, 1.2000e-005, 95.299, 9.7175
*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, bWE, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ; 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, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, 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, Ixx1, Iyy1, Izz1 ; 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, Ixx2, Iyy2, Izz2 ; 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, THERMAL ; 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)
; bUSERDEFMESHSIZE, MESHSIZE, 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)
; [SIZE-A]-j ; 9th line(STYPE=PSC)
; [SIZE-B]-j ; 10th line(STYPE=PSC)
; [SIZE-C]-j ; 11th line(STYPE=PSC)
; [SIZE-D]-j ; 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_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 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_i, SW_j ; 2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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, bWE, SHAPE ; 1st line - COMPOSITE-B
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line

; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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, bWE, SHAPE ; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ; 5th line
; [SIZE-A] ; 6th line
; [SIZE-B] ; 7th line
; [SIZE-C] ; 8th line
; [SIZE-D] ; 9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 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
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [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
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 01 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.012
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
2, COMPOSITE , 02 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.014, 2.75, 0.05, 0.017
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
3, COMPOSITE , 03 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.014
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
4, COMPOSITE , 04 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES

5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
5, COMPOSITE , 05-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
6, COMPOSITE , 05-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
7, COMPOSITE , 06 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.024, 2.75, 0.05, 0.028
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
8, COMPOSITE , 07-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
9, COMPOSITE , 07-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
10, COMPOSITE , 08 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
11, COMPOSITE , 09 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.015
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
12, COMPOSITE , 10 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
13, COMPOSITE , 11-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES

5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
14, COMPOSITE , 11-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
15, COMPOSITE , 12 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.02, 2.75, 0.05, 0.024
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
16, DBUSER , cross , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1, 0.4, 0.01, 0.012, 0.4, 0.012, 0, 0, 0, 0
*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
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ; 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, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, 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, Ixx1, Iyy1, Izz1 ; 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, Ixx2, Iyy2, Izz2 ; 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, THERMAL ; 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)
; bUSERDEFMESHSIZE, MESHSIZE, 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)
; [SIZE-A]-j ; 9th line(STYPE=PSC)
; [SIZE-B]-j ; 10th line(STYPE=PSC)
; [SIZE-C]-j ; 11th line(STYPE=PSC)
; [SIZE-D]-j ; 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_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd line(STYPE=CMP-B/I)

; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 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_i, SW_j ; 2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ; 11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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, bWE, SHAPE ; 1st line - COMPOSITE-B
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, 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, bWE, SHAPE ; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ; 5th line
; [SIZE-A] ; 6th line
; [SIZE-B] ; 7th line
; [SIZE-C] ; 8th line
; [SIZE-D] ; 9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 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
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [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
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 01 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.012

2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
2, COMPOSITE , 02 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.014, 2.75, 0.05, 0.017
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
3, COMPOSITE , 03 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.014
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
4, COMPOSITE , 04 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
5, COMPOSITE , 05-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
6, COMPOSITE , 05-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
7, COMPOSITE , 06 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.024, 2.75, 0.05, 0.028
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
8, COMPOSITE , 07-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
9, COMPOSITE , 07-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
10, COMPOSITE , 08 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0,

0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
11, COMPOSITE , 09 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.015
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
12, COMPOSITE , 10 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
13, COMPOSITE , 11-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
14, COMPOSITE , 11-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
15, COMPOSITE , 12 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.02, 2.75, 0.05, 0.024
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
16, DBUSER , cross , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1, 0.4, 0.01, 0.012, 0.4, 0.012, 0, 0, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
자중 , USER,
1차고정하중, USER, 슬래브
2차고정하중, USER, "방호벽, 중분대"
풍하중, USER,
K값단위하중, USER,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
2006, 111000,
1005 1006 2005, 101000,
2002 2004 2008 2010, 011000,
1001to1004 1007to1010 2001 2003 2007 2009, 001000,
*ELASTICLINK ; Elastic Link
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP ; GEN
; iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR, DRy, DRz, GROUP ; RIGID
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, bSHEAR, DRy, DRz, GROUP ; TENS,COMP
; iNO, iNODE1, iNODE2, LINK, ANGLE, DIR, FUNCTION, bSHEAR, DRENDI, GROUP ; MULTI LINEAR
1, 102, 1001, RIGID, 0, NO, 0.5, 0.5,
2, 102, 1002, RIGID, 0, NO, 0.5, 0.5,
3, 115, 1003, RIGID, 0, NO, 0.5, 0.5,
4, 115, 1004, RIGID, 0, NO, 0.5, 0.5,
5, 132, 1005, RIGID, 0, NO, 0.5, 0.5,
6, 132, 1006, RIGID, 0, NO, 0.5, 0.5,
7, 149, 1007, RIGID, 0, NO, 0.5, 0.5,
8, 149, 1008, RIGID, 0, NO, 0.5, 0.5,
9, 163, 1009, RIGID, 0, NO, 0.5, 0.5,
10, 163, 1010, RIGID, 0, NO, 0.5, 0.5,
11, 202, 2001, RIGID, 0, NO, 0.5, 0.5,
12, 202, 2002, RIGID, 0, NO, 0.5, 0.5,
13, 215, 2003, RIGID, 0, NO, 0.5, 0.5,
14, 215, 2004, RIGID, 0, NO, 0.5, 0.5,
15, 232, 2005, RIGID, 0, NO, 0.5, 0.5,
16, 232, 2006, RIGID, 0, NO, 0.5, 0.5,
17, 249, 2007, RIGID, 0, NO, 0.5, 0.5,
18, 249, 2008, RIGID, 0, NO, 0.5, 0.5,
19, 263, 2009, RIGID, 0, NO, 0.5, 0.5,
20, 263, 2010, RIGID, 0, NO, 0.5, 0.5,
*OFFSET ; Beam End Offsets
; ELEM_LIST, TYPE, RGDXi, RGDYi, RGDZi, RGDXj, RGDYj,

RGDZj, GROUP ; TYPE=GLOBAL
; ELEM_LIST, TYPE, RGDi, RGDj, GROUP ; TYPE=ELEMENT
301, ELEMENT, 1.375, 1.375,
302, ELEMENT, 1.375, 1.375,
303, ELEMENT, 1.375, 1.375,
304, ELEMENT, 1.375, 1.375,
305, ELEMENT, 1.375, 1.375,
306, ELEMENT, 1.375, 1.375,
307, ELEMENT, 1.375, 1.375,
308, ELEMENT, 1.375, 1.375,
309, ELEMENT, 1.375, 1.375,
310, ELEMENT, 1.375, 1.375,
311, ELEMENT, 1.375, 1.375,
312, ELEMENT, 1.375, 1.375,
313, ELEMENT, 1.375, 1.375,
314, ELEMENT, 1.375, 1.375,
315, ELEMENT, 1.375, 1.375,
316, ELEMENT, 1.375, 1.375,
317, ELEMENT, 1.375, 1.375,
318, ELEMENT, 1.375, 1.375,
319, ELEMENT, 1.375, 1.375,
320, ELEMENT, 1.375, 1.375,
321, ELEMENT, 1.375, 1.375,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
자중, 1, 1차고정하중, 1, 2차고정하중, 1
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중] ----------
*USE-STLD, 1차고정하중
*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
101, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
101, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,

0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 0.939, 1, 0.939, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.283, 1, -45.283, 0, 0, 0, 0, , NO, 0, 0, NO,
201, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
201, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,

5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 5.583, 1, 5.583, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.66, 1, -45.66, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [1차고정하중]
---
*USE-STLD, 2차고정하중
*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
101, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042, NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,

NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 1.042, 1.042,
NO, 0, -16.729, 1, -16.729, 0, 0, 0, 0, , NO, 0, 0, NO,
201, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,

-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -0.873,
-0.873, NO, 0, -15.836, 1, -15.836, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [2차고정하중]
---
*USE-STLD, 풍하중
*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
101, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
101, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,

-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0,
-10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,

6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, -10.1, 1, -10.1, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, 6.313, 1, 6.313, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [풍하중] ----------
*USE-STLD, K값단위하중
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
101, 0, 0, 0, 0, 1, 0,
164, 0, 0, 0, 0, -1, 0,
201, 0, 0, 0, 0, 1, 0,
264, 0, 0, 0, 0, -1, 0,
; End of data for load case [K값단위하중] ----------
*MVLDCODE ; Moving Load Code

```
; CODE=CODE
   CODE=KOREA
*LINELANE     ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW,
WS, bLANEOPT, ALLOWWIDTH  ; line 1
;                iELEM1,  ECC1,  FACT1,  bSPAN1,  ECCVL...
                  ; from line 2
   NAME=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO, 0
         101, -1.095, 0.175, YES, 0,    102, -1.095, 0.175, NO,
0
         103, -1.095, 0.175, NO, 0,   104, -1.095, 0.175, NO, 0
         105, -1.095, 0.175, NO, 0,   106, -1.095, 0.175, NO, 0
         107, -1.095, 0.175, NO, 0,   108, -1.095, 0.175, NO, 0
         109, -1.095, 0.175, NO, 0,   110, -1.095, 0.175, NO, 0
         111, -1.095, 0.175, NO, 0,   112, -1.095, 0.175, NO, 0
         113, -1.095, 0.175, NO, 0,   114, -1.095, 0.175, NO, 0
         115, -1.095, 0.167, YES, 0,    116, -1.095, 0.167, NO,
0
         117, -1.095, 0.167, NO, 0,   118, -1.095, 0.167, NO, 0
         119, -1.095, 0.167, NO, 0,   120, -1.095, 0.167, NO, 0
         121, -1.095, 0.167, NO, 0,   122, -1.095, 0.167, NO, 0
         123, -1.095, 0.167, NO, 0,   124, -1.095, 0.167, NO, 0
         125, -1.095, 0.167, NO, 0,   126, -1.095, 0.167, NO, 0
         127, -1.095, 0.167, NO, 0,   128, -1.095, 0.167, NO, 0
         129, -1.095, 0.167, NO, 0,   130, -1.095, 0.167, NO, 0
         131, -1.095, 0.167, NO, 0,    132, -1.095, 0.167, YES,
0
         133, -1.095, 0.167, NO, 0,   134, -1.095, 0.167, NO, 0
         135, -1.095, 0.167, NO, 0,   136, -1.095, 0.167, NO, 0
         137, -1.095, 0.167, NO, 0,   138, -1.095, 0.167, NO, 0
         139, -1.095, 0.167, NO, 0,   140, -1.095, 0.167, NO, 0
         141, -1.095, 0.167, NO, 0,   142, -1.095, 0.167, NO, 0
         143, -1.095, 0.167, NO, 0,   144, -1.095, 0.167, NO, 0
         145, -1.095, 0.167, NO, 0,   146, -1.095, 0.167, NO, 0
         147, -1.095, 0.167, NO, 0,   148, -1.095, 0.167, NO, 0
         149, -1.095, 0.182, YES, 0,    150, -1.095, 0.182, NO,
0
         151, -1.095, 0.182, NO, 0,   152, -1.095, 0.182, NO, 0
         153, -1.095, 0.182, NO, 0,   154, -1.095, 0.182, NO, 0
         155, -1.095, 0.182, NO, 0,   156, -1.095, 0.182, NO, 0
         157, -1.095, 0.182, NO, 0,   158, -1.095, 0.182, NO, 0
         159, -1.095, 0.182, NO, 0,   160, -1.095, 0.182, NO, 0
         161, -1.095, 0.182, NO, 0,   162, -1.095, 0.182, NO, 0
         163, -1.095, 0.182, NO, 0
   NAME=L2, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
         101, 1.905, 0.175, YES, 0,   102, 1.905, 0.175, NO, 0
         103, 1.905, 0.175, NO, 0,   104, 1.905, 0.175, NO, 0
         105, 1.905, 0.175, NO, 0,   106, 1.905, 0.175, NO, 0
         107, 1.905, 0.175, NO, 0,   108, 1.905, 0.175, NO, 0
         109, 1.905, 0.175, NO, 0,   110, 1.905, 0.175, NO, 0
         111, 1.905, 0.175, NO, 0,   112, 1.905, 0.175, NO, 0
         113, 1.905, 0.175, NO, 0,   114, 1.905, 0.175, NO, 0
         115, 1.905, 0.167, YES, 0,   116, 1.905, 0.167, NO, 0
         117, 1.905, 0.167, NO, 0,   118, 1.905, 0.167, NO, 0
         119, 1.905, 0.167, NO, 0,   120, 1.905, 0.167, NO, 0
         121, 1.905, 0.167, NO, 0,   122, 1.905, 0.167, NO, 0
         123, 1.905, 0.167, NO, 0,   124, 1.905, 0.167, NO, 0
         125, 1.905, 0.167, NO, 0,   126, 1.905, 0.167, NO, 0
         127, 1.905, 0.167, NO, 0,   128, 1.905, 0.167, NO, 0
         129, 1.905, 0.167, NO, 0,   130, 1.905, 0.167, NO, 0
         131, 1.905, 0.167, NO, 0,   132, 1.905, 0.167, YES, 0
         133, 1.905, 0.167, NO, 0,   134, 1.905, 0.167, NO, 0
         135, 1.905, 0.167, NO, 0,   136, 1.905, 0.167, NO, 0
         137, 1.905, 0.167, NO, 0,   138, 1.905, 0.167, NO, 0
         139, 1.905, 0.167, NO, 0,   140, 1.905, 0.167, NO, 0
         141, 1.905, 0.167, NO, 0,   142, 1.905, 0.167, NO, 0
         143, 1.905, 0.167, NO, 0,   144, 1.905, 0.167, NO, 0
         145, 1.905, 0.167, NO, 0,   146, 1.905, 0.167, NO, 0
         147, 1.905, 0.167, NO, 0,   148, 1.905, 0.167, NO, 0
         149, 1.905, 0.182, YES, 0,   150, 1.905, 0.182, NO, 0
         151, 1.905, 0.182, NO, 0,   152, 1.905, 0.182, NO, 0
         153, 1.905, 0.182, NO, 0,   154, 1.905, 0.182, NO, 0
         155, 1.905, 0.182, NO, 0,   156, 1.905, 0.182, NO, 0
         157, 1.905, 0.182, NO, 0,   158, 1.905, 0.182, NO, 0
         159, 1.905, 0.182, NO, 0,   160, 1.905, 0.182, NO, 0
         161, 1.905, 0.182, NO, 0,   162, 1.905, 0.182, NO, 0
         163, 1.905, 0.182, NO, 0
   NAME=L3, LANE, , 0, 0, BOTH, 3, 1.8, NO, 0
         201, -1.345, 0.175, YES, 0,   202, -1.345, 0.175, NO,
0
         203, -1.345, 0.175, NO, 0,   204, -1.345, 0.175, NO, 0
         205, -1.345, 0.175, NO, 0,   206, -1.345, 0.175, NO, 0
         207, -1.345, 0.175, NO, 0,   208, -1.345, 0.175, NO, 0
         209, -1.345, 0.175, NO, 0,   210, -1.345, 0.175, NO, 0
         211, -1.345, 0.175, NO, 0,   212, -1.345, 0.175, NO, 0
         213, -1.345, 0.175, NO, 0,   214, -1.345, 0.175, NO, 0
         322, -1.345, 0.175, NO, 0,   215, -1.345, 0.167, YES,
0
         323, -1.345, 0.167, NO, 0,   216, -1.345, 0.167, NO, 0
         217, -1.345, 0.167, NO, 0,   218, -1.345, 0.167, NO, 0
         219, -1.345, 0.167, NO, 0,   220, -1.345, 0.167, NO, 0
         221, -1.345, 0.167, NO, 0,   222, -1.345, 0.167, NO, 0
         223, -1.345, 0.167, NO, 0,   224, -1.345, 0.167, NO, 0
         225, -1.345, 0.167, NO, 0,   226, -1.345, 0.167, NO, 0
         227, -1.345, 0.167, NO, 0,   228, -1.345, 0.167, NO, 0
         229, -1.345, 0.167, NO, 0,   230, -1.345, 0.167, NO, 0
         231, -1.345, 0.167, NO, 0,   232, -1.345, 0.167, YES,
0
         233, -1.345, 0.167, NO, 0,   234, -1.345, 0.167, NO, 0
         235, -1.345, 0.167, NO, 0,   236, -1.345, 0.167, NO, 0
         237, -1.345, 0.167, NO, 0,   238, -1.345, 0.167, NO, 0
         239, -1.345, 0.167, NO, 0,   240, -1.345, 0.167, NO, 0
         241, -1.345, 0.167, NO, 0,   242, -1.345, 0.167, NO, 0
         243, -1.345, 0.167, NO, 0,   244, -1.345, 0.167, NO, 0
         245, -1.345, 0.167, NO, 0,   246, -1.345, 0.167, NO, 0
         247, -1.345, 0.167, NO, 0,   248, -1.345, 0.167, NO, 0
         249, -1.345, 0.182, YES, 0,   250, -1.345, 0.182, NO,
0
         251, -1.345, 0.182, NO, 0,   252, -1.345, 0.182, NO, 0
         253, -1.345, 0.182, NO, 0,   254, -1.345, 0.182, NO, 0
         255, -1.345, 0.182, NO, 0,   256, -1.345, 0.182, NO, 0
         257, -1.345, 0.182, NO, 0,   258, -1.345, 0.182, NO, 0
         259, -1.345, 0.182, NO, 0,   260, -1.345, 0.182, NO, 0
         261, -1.345, 0.182, NO, 0,   262, -1.345, 0.182, NO, 0
         263, -1.345, 0.182, NO, 0
   NAME=R1, LANE, , 0, 0, BOTH, 3, 1.8, NO, 0
         201, 1.3, 0.175, YES, 0,   202, 1.3, 0.175, NO, 0
         203, 1.3, 0.175, NO, 0,   204, 1.3, 0.175, NO, 0
         205, 1.3, 0.175, NO, 0,   206, 1.3, 0.175, NO, 0
         207, 1.3, 0.175, NO, 0,   208, 1.3, 0.175, NO, 0
         209, 1.3, 0.175, NO, 0,   210, 1.3, 0.175, NO, 0
         211, 1.3, 0.175, NO, 0,   212, 1.3, 0.175, NO, 0
```

```
213, 1.3, 0.175, NO, 0,   214, 1.3, 0.175, NO, 0
322, 1.3, 0.175, NO, 0,   215, 1.3, 0.167, YES, 0
323, 1.3, 0.167, NO, 0,   216, 1.3, 0.167, NO, 0
217, 1.3, 0.167, NO, 0,   218, 1.3, 0.167, NO, 0
219, 1.3, 0.167, NO, 0,   220, 1.3, 0.167, NO, 0
221, 1.3, 0.167, NO, 0,   222, 1.3, 0.167, NO, 0
223, 1.3, 0.167, NO, 0,   224, 1.3, 0.167, NO, 0
225, 1.3, 0.167, NO, 0,   226, 1.3, 0.167, NO, 0
227, 1.3, 0.167, NO, 0,   228, 1.3, 0.167, NO, 0
229, 1.3, 0.167, NO, 0,   230, 1.3, 0.167, NO, 0
231, 1.3, 0.167, NO, 0,   232, 1.3, 0.167, YES, 0
233, 1.3, 0.167, NO, 0,   234, 1.3, 0.167, NO, 0
235, 1.3, 0.167, NO, 0,   236, 1.3, 0.167, NO, 0
237, 1.3, 0.167, NO, 0,   238, 1.3, 0.167, NO, 0
239, 1.3, 0.167, NO, 0,   240, 1.3, 0.167, NO, 0
241, 1.3, 0.167, NO, 0,   242, 1.3, 0.167, NO, 0
243, 1.3, 0.167, NO, 0,   244, 1.3, 0.167, NO, 0
245, 1.3, 0.167, NO, 0,   246, 1.3, 0.167, NO, 0
247, 1.3, 0.167, NO, 0,   248, 1.3, 0.167, NO, 0
249, 1.3, 0.182, YES, 0,   250, 1.3, 0.182, NO, 0
251, 1.3, 0.182, NO, 0,   252, 1.3, 0.182, NO, 0
253, 1.3, 0.182, NO, 0,   254, 1.3, 0.182, NO, 0
255, 1.3, 0.182, NO, 0,   256, 1.3, 0.182, NO, 0
257, 1.3, 0.182, NO, 0,   258, 1.3, 0.182, NO, 0
259, 1.3, 0.182, NO, 0,   260, 1.3, 0.182, NO, 0
261, 1.3, 0.182, NO, 0,   262, 1.3, 0.182, NO, 0
263, 1.3, 0.182, NO, 0
NAME=R2, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
201, -1.7, 0.175, YES, 0,   202, -1.7, 0.175, NO, 0
203, -1.7, 0.175, NO, 0,   204, -1.7, 0.175, NO, 0
205, -1.7, 0.175, NO, 0,   206, -1.7, 0.175, NO, 0
207, -1.7, 0.175, NO, 0,   208, -1.7, 0.175, NO, 0
209, -1.7, 0.175, NO, 0,   210, -1.7, 0.175, NO, 0
211, -1.7, 0.175, NO, 0,   212, -1.7, 0.175, NO, 0
213, -1.7, 0.175, NO, 0,   214, -1.7, 0.175, NO, 0
322, -1.7, 0.175, NO, 0,   215, -1.7, 0.167, YES, 0
323, -1.7, 0.167, NO, 0,   216, -1.7, 0.167, NO, 0
217, -1.7, 0.167, NO, 0,   218, -1.7, 0.167, NO, 0
219, -1.7, 0.167, NO, 0,   220, -1.7, 0.167, NO, 0
221, -1.7, 0.167, NO, 0,   222, -1.7, 0.167, NO, 0
223, -1.7, 0.167, NO, 0,   224, -1.7, 0.167, NO, 0
225, -1.7, 0.167, NO, 0,   226, -1.7, 0.167, NO, 0
227, -1.7, 0.167, NO, 0,   228, -1.7, 0.167, NO, 0
229, -1.7, 0.167, NO, 0,   230, -1.7, 0.167, NO, 0
231, -1.7, 0.167, NO, 0,   232, -1.7, 0.167, YES, 0
233, -1.7, 0.167, NO, 0,   234, -1.7, 0.167, NO, 0
235, -1.7, 0.167, NO, 0,   236, -1.7, 0.167, NO, 0
237, -1.7, 0.167, NO, 0,   238, -1.7, 0.167, NO, 0
239, -1.7, 0.167, NO, 0,   240, -1.7, 0.167, NO, 0
241, -1.7, 0.167, NO, 0,   242, -1.7, 0.167, NO, 0
243, -1.7, 0.167, NO, 0,   244, -1.7, 0.167, NO, 0
245, -1.7, 0.167, NO, 0,   246, -1.7, 0.167, NO, 0
247, -1.7, 0.167, NO, 0,   248, -1.7, 0.167, NO, 0
249, -1.7, 0.182, YES, 0,   250, -1.7, 0.182, NO, 0
251, -1.7, 0.182, NO, 0,   252, -1.7, 0.182, NO, 0
253, -1.7, 0.182, NO, 0,   254, -1.7, 0.182, NO, 0
255, -1.7, 0.182, NO, 0,   256, -1.7, 0.182, NO, 0
257, -1.7, 0.182, NO, 0,   258, -1.7, 0.182, NO, 0
259, -1.7, 0.182, NO, 0,   260, -1.7, 0.182, NO, 0
261, -1.7, 0.182, NO, 0,   262, -1.7, 0.182, NO, 0
263, -1.7, 0.182, NO, 0
NAME=R3, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
101, 1.55, 0.175, YES, 0,   102, 1.55, 0.175, NO, 0
103, 1.55, 0.175, NO, 0,   104, 1.55, 0.175, NO, 0
105, 1.55, 0.175, NO, 0,   106, 1.55, 0.175, NO, 0
107, 1.55, 0.175, NO, 0,   108, 1.55, 0.175, NO, 0
109, 1.55, 0.175, NO, 0,   110, 1.55, 0.175, NO, 0
111, 1.55, 0.175, NO, 0,   112, 1.55, 0.175, NO, 0
113, 1.55, 0.175, NO, 0,   114, 1.55, 0.175, NO, 0
115, 1.55, 0.167, YES, 0,   116, 1.55, 0.167, NO, 0
117, 1.55, 0.167, NO, 0,   118, 1.55, 0.167, NO, 0
119, 1.55, 0.167, NO, 0,   120, 1.55, 0.167, NO, 0
121, 1.55, 0.167, NO, 0,   122, 1.55, 0.167, NO, 0
123, 1.55, 0.167, NO, 0,   124, 1.55, 0.167, NO, 0
125, 1.55, 0.167, NO, 0,   126, 1.55, 0.167, NO, 0
127, 1.55, 0.167, NO, 0,   128, 1.55, 0.167, NO, 0
129, 1.55, 0.167, NO, 0,   130, 1.55, 0.167, NO, 0
131, 1.55, 0.167, NO, 0,   132, 1.55, 0.167, YES, 0
133, 1.55, 0.167, NO, 0,   134, 1.55, 0.167, NO, 0
135, 1.55, 0.167, NO, 0,   136, 1.55, 0.167, NO, 0
137, 1.55, 0.167, NO, 0,   138, 1.55, 0.167, NO, 0
139, 1.55, 0.167, NO, 0,   140, 1.55, 0.167, NO, 0
141, 1.55, 0.167, NO, 0,   142, 1.55, 0.167, NO, 0
143, 1.55, 0.167, NO, 0,   144, 1.55, 0.167, NO, 0
145, 1.55, 0.167, NO, 0,   146, 1.55, 0.167, NO, 0
147, 1.55, 0.167, NO, 0,   148, 1.55, 0.167, NO, 0
149, 1.55, 0.182, YES, 0,   150, 1.55, 0.182, NO, 0
151, 1.55, 0.182, NO, 0,   152, 1.55, 0.182, NO, 0
153, 1.55, 0.182, NO, 0,   154, 1.55, 0.182, NO, 0
155, 1.55, 0.182, NO, 0,   156, 1.55, 0.182, NO, 0
157, 1.55, 0.182, NO, 0,   158, 1.55, 0.182, NO, 0
159, 1.55, 0.182, NO, 0,   160, 1.55, 0.182, NO, 0
161, 1.55, 0.182, NO, 0,   162, 1.55, 0.182, NO, 0
163, 1.55, 0.182, NO, 0
*LSUPPORT   ; Lane Supports - Negative Moments at Interior Piers
; iTYPE, ELEM_LIST, POSITION   ; (When iTYPE=0)
; iTYPE, GRUP-NAME   ; (When iTYPE=1)
  0, 115 132 149 215 232 249, END-I
  0, 114 131 148 214 231 248, END-J
*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)
;   [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 1
; 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, ADDDATA, AL, CA, LL ; 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], [BS-DATA-LF] ; user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ; user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] ; user(HA&HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ; user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L ; user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; 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, bFATI, nLOADFAC, dLOADFAC ; standard (SK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (SK FATIGUE)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] ; standard (AK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N14)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N11)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; standard (TRAMCARS)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NK-80)
; NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NG-60)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; standard (UNIFORM LOAD)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; 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, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] ; user (Type 1)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; user (Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; user (Type 3)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 4)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 5)
; NAME=NAME, 2, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; user (Type 6)
; NAME=NAME, 2, iTYPE, P, W, bFATI, nLOADFAC, dLOADFAC ; user (Type 7)
; if Moving Load Code is KSCE-LSD15
; NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE, nLANELOAD, L, CONVERTDIST ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L, CONVERTDIST ; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, NO ; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0, NO ; user: line 1 (Type 3)
; LOAD1, DIST1, (DIST2_1), LOAD2, DIST2, (DIST2_2), ... ; user: from line 2
; if Moving Load Code is South Africa
; NAME=NAME, 1, TYPE-NAME, CODE, bINCREL, dINCREL ; standard NA
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM ; standard NB
; NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE ; standard NC
; NAME=NAME, 2, TYPE, W1, L, W2, W3, PA, bINCREL, dINCREL ; user NA
; NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA, D1, D2 ; user NB
; NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1, NUM2, NUM3 [DIST1], [DIST2], [DIST3] ; user NC
; if 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
*MVLDCASE ; Moving Load Cases
; NAME=NAME, nLCTYPE, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL ; 1st line
; nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 ; 2st line
; TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ... ; 3nd line
; ... ; ...
; TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ... ; n+1th line
; NAME=NAME, nLCTYPE, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
; NAME=NAME, nLCTYPE, DESC, bOPTIM, SUBLANEW, MINSPACING, MARGIN, LANE, MINNUM, MAXNUM, SERIAL ; Traffic Lane Optimization
; TYPE1, VCLASS1, SCALE1... ; Traffic Lane Optimization 1st line
; ... ; Traffic Lane Optimization ...
; TYPEn, VCLASSn, SCALEn... ; Traffic Lane Optimization n+1th line
NAME=DB-L, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, L1, L2, L3
NAME=DB-R, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 2
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, R1, R2, R3
NAME=DL-L, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 3
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3
NAME=DL-R, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 4
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, R1, R2, R3
*SM-GROUP ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
A1, 0.01, 1001 1002 2001 2002
P1, 0.01, 1003 1004 2003 2004
P3, 0.01, 1005 1006 2005 2006
P4, 0.01, 1007 1008 2007 2008
A2, 0.01, 1009 1010 2009 2010
*SMLDCASE ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1

```
;       GRNAME1, GRNAME2, ...            ; from line 2
   NAME=SE, 1, 5, 1,
         A1, P1, P3, P4, A2
*COMPBOXLC      ; Pre-Combined Load Cases for Composite Section
; LCNAME1, LCNAME2, ..., LCNAMEn
   1차고정하중, 자중
*LOADCOMB     ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE    ; line 1
;                         ANAL1,    LCNAME1,    FACT1,    ...
        ; from line 2
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         ST, 자중, 1, ST, 1차고정하중, 1, ST, 2차고정하중, 1
   NAME=1차고정하중, GEN, ACTIVE, 0, 0, , 0, 0
         ST, 자중, 1, ST, 1차고정하중, 1
   NAME=ENV, GEN, ACTIVE, 0, 0, , 0, 0
         CB, 고정하중, 1, SM, SE, 1, ST, 풍하중, 1
   NAME=DB-DL(ENVELOP), GEN, ACTIVE, 0, 1, , 0, 0
         MV, DB-L, 1, MV, DB-R, 1, MV, DL-L, 1, MV, DL-R, 1
   NAME=활하중+지점침하, GEN, ACTIVE, 0, 0, , 0, 0
         CB, DB-DL(ENVELOP), 1, SM, SE, 1
*LC-COLOR     ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)
 ST, 자중, 255, 192, 87, 93, 255, 87, 163, 255, 160
 ST, 1차고정하중, 160, 192, 255, 192, 128, 0, 255, 192, 160
 ST, 2차고정하중, 160, 192, 255, 192, 0, 192, 163, 160, 255
 ST, 풍하중, 0, 157, 192, 146, 0, 255, 160, 255, 255
 ST, K값단위하중, 0, 128, 128, 192, 72, 0, 85, 0, 192
 SM, SE, 160, 255, 255, 192, 0, 192, 255, 0, 192
 CB, 고정하중, 192, 128, 0, 148, 87, 255, 255, 128, 0
 CB, 1차고정하중, 255, 87, 87, 0, 192, 128, 192, 128, 0
 CB, ENV, 148, 87, 255, 160, 192, 255, 128, 192, 0
 MV, DB-L, 160, 192, 255, 255, 160, 255, 192, 128, 0
 MV, DB-R, 255, 0, 128, 255, 0, 128, 192, 192, 0
 MV, DL-L, 0, 157, 192, 0, 192, 192, 255, 128, 0
 MV, DL-R, 192, 192, 0, 0, 192, 192, 255, 0, 192
 CB, DB-DL(ENVELOP), 255, 255, 87, 0, 128, 128, 0, 157, 192
 CB, 활하중+지점침하, 0, 128, 128, 255, 160, 255, 210, 210, 210
*EIGEN-CTRL     ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM    ; TYPE=EIGEN
;                TYPE,                bINCNL,                iGNUM
   ; TYPE=RITZ(line 1)
;                         KIND1,    CASE1/GROUND1,    iNOG1,    ...
    ; TYPE=RITZ(from line2)
   LANCZOS, 20, 20, 1, 1e-010, NO, 0, 0, NO
*LINK-KEY     ; Link Key
; iKEY, TYPE, LINK KEY
  1, ELNK, 1
  2, ELNK, 2
  3, ELNK, 3
  4, ELNK, 4
  5, ELNK, 5
  6, ELNK, 6
  7, ELNK, 7
  8, ELNK, 8
  9, ELNK, 9
  10, ELNK, 10
  11, ELNK, 11
  12, ELNK, 12
  13, ELNK, 13
  14, ELNK, 14
  15, ELNK, 15
  16, ELNK, 16
  17, ELNK, 17
  18, ELNK, 18
  19, ELNK, 19
  20, ELNK, 20
*ENDDATA
```