```
;------------------------------------
------------------------------------
-----
;  MIDAS/Civil Text(MCT) File.
;  Date : 2015/4/21
;------------------------------------
------------------------------------
-----
*VERSION
   8.3.1
*UNIT    ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, J, C
*STRUCTYPE    ; Structure Type
;  iSTYP,  iMASS,  iSMAS,  bMASSOFFSET,
bSELFWEIGHT,  GRAV,  TEMPER,
bALIGNBEAM, bALIGNSLAB, bROTRIGID
     0, 1, 1, NO, YES, 9.806, 0, NO, NO,
NO
*REBAR-MATL-CODE    ; Rebar Material
Code
;  CONC_CODE,  CONC_MDB,  SRC_CODE,
SRC_MDB
 KSCE-LSD12(RC),  SD300,
KSCE-LSD12(RC), SD300
*NODE    ; Nodes
; iNO, X, Y, Z
     1, 0, -6.45, 0
     2, 0, -3.225, 0
     3, 0, 0, 0
     4, 0, 3.225, 0
     5, 0, 6.45, 0
     6, 0.4, -7.19, -0.4
     7, 0.4, -7.19, 0
     8, 0.4, -6.45, 0
     9, 0.4, -5.71, -0.4
    10, 0.4, -5.71, 0
    11, 0.4, -0.74, -0.4
    12, 0.4, -0.74, 0
    13, 0.4, 0, 0
    14, 0.4, 0.74, -0.4
    15, 0.4, 0.74, 0
    16, 0.4, 5.71, -0.4
    17, 0.4, 5.71, 0
    18, 0.4, 6.45, 0
    19, 0.4, 7.19, -0.4
    20, 0.4, 7.19, 0
    21, 5, -6.45, 0
    22, 5, -3.225, 0
    23, 5, 0, 0
    24, 5, 3.225, 0
    25, 5, 6.45, 0
    26, 10, -6.45, 0
    27, 10, -3.225, 0
    28, 10, 0, 0
    29, 10, 3.225, 0
    30, 10, 6.45, 0
    31, 15, -6.45, 0
    32, 15, -3.225, 0
    33, 15, 0, 0
    34, 15, 3.225, 0
    35, 15, 6.45, 0
    36, 20, -7.19, -0.4
    37, 20, -7.19, 0
    38, 20, -6.45, 0
    39, 20, -5.71, -0.4
    40, 20, -5.71, 0
    41, 20, -3.225, 0
    42, 20, -2.6, -10.195
    43, 20, -2.6, -7.76333333333333
    44, 20, -2.6, -5.33166666666667
    45, 20, -2.6, -2.9
    46, 20, -0.74, -0.4
    47, 20, -0.74, 0
    48, 20, 0, -2.9
    49, 20, 0, -1.6
    50, 20, 0, -0.4
    51, 20, 0, 0
    52, 20, 0.74, -0.4
    53, 20, 0.74, 0
    54, 20, 2.6, -10.195
    55, 20, 2.6, -7.76333333333333
    56, 20, 2.6, -5.33166666666667
    57, 20, 2.6, -2.9
    58, 20, 3.225, 0
    59, 20, 5.71, -0.4
    60, 20, 5.71, 0
    61, 20, 6.45, 0
    62, 20, 7.19, -0.4
    63, 20, 7.19, 0
    64, 25, -6.45, 0
    65, 25, -3.225, 0
    66, 25, 0, 0
    67, 25, 3.225, 0
    68, 25, 6.45, 0
    69, 30, -6.45, 0
    70, 30, -3.225, 0
    71, 30, 0, 0
    72, 30, 3.225, 0
    73, 30, 6.45, 0
    74, 35, -6.45, 0
    75, 35, -3.225, 0
    76, 35, 0, 0
    77, 35, 3.225, 0
    78, 35, 6.45, 0
    79, 40, -6.45, 0
    80, 40, -3.225, 0
    81, 40, 0, 0
    82, 40, 3.225, 0
    83, 40, 6.45, 0
    84, 45, -6.45, 0
    85, 45, -3.225, 0
    86, 45, 0, 0
    87, 45, 3.225, 0
    88, 45, 6.45, 0
    89, 50, -6.45, 0
    90, 50, -3.225, 0
    91, 50, 0, 0
    92, 50, 3.225, 0
    93, 50, 6.45, 0
    94, 55, -6.45, 0
    95, 55, -3.225, 0
    96, 55, 0, 0
    97, 55, 3.225, 0
    98, 55, 6.45, 0
    99, 60, -7.19, -0.4
   100, 60, -7.19, 0
   101, 60, -6.45, 0
   102, 60, -5.71, -0.4
   103, 60, -5.71, 0
   104, 60, -3.225, 0
   105, 60, -2.6, -10.195
   106, 60, -2.6, -7.76333333333333
   107, 60, -2.6, -5.33166666666667
   108, 60, -2.6, -2.9
   109, 60, -0.74, -0.4
   110, 60, -0.74, 0
   111, 60, 0, -2.9
   112, 60, 0, -1.6
   113, 60, 0, -0.4
   114, 60, 0, 0
   115, 60, 0.74, -0.4
   116, 60, 0.74, 0
   117, 60, 2.6, -10.195
   118, 60, 2.6, -7.76333333333333
   119, 60, 2.6, -5.33166666666667
   120, 60, 2.6, -2.9
   121, 60, 3.225, 0
   122, 60, 5.71, -0.4
   123, 60, 5.71, 0
   124, 60, 6.45, 0
   125, 60, 7.19, -0.4
   126, 60, 7.19, 0
   127, 65, -6.45, 0
   128, 65, -3.225, 0
   129, 65, 0, 0
   130, 65, 3.225, 0
   131, 65, 6.45, 0
   132, 70, -6.45, 0
   133, 70, -3.225, 0
   134, 70, 0, 0
   135, 70, 3.225, 0
   136, 70, 6.45, 0
   137, 75, -6.45, 0
   138, 75, -3.225, 0
   139, 75, 0, 0
   140, 75, 3.225, 0
   141, 75, 6.45, 0
   142, 80, -6.45, 0
   143, 80, -3.225, 0
   144, 80, 0, 0
   145, 80, 3.225, 0
   146, 80, 6.45, 0
   147, 85, -6.45, 0
   148, 85, -3.225, 0
   149, 85, 0, 0
   150, 85, 3.225, 0
   151, 85, 6.45, 0
   152, 90, -6.45, 0
   153, 90, -3.225, 0
   154, 90, 0, 0
   155, 90, 3.225, 0
   156, 90, 6.45, 0
   157, 95, -6.45, 0
   158, 95, -3.225, 0
   159, 95, 0, 0
   160, 95, 3.225, 0
   161, 95, 6.45, 0
   162, 100, -7.19, -0.4
   163, 100, -7.19, 0
   164, 100, -6.45, 0
   165, 100, -5.71, -0.4
   166, 100, -5.71, 0
   167, 100, -3.225, 0
   168, 100, -2.6, -10.195
   169, 100, -2.6, -7.76333333333333
   170, 100, -2.6, -5.33166666666667
   171, 100, -2.6, -2.9
   172, 100, -0.74, -0.4
   173, 100, -0.74, 0
   174, 100, 0, -2.9
   175, 100, 0, -1.6
   176, 100, 0, -0.4
   177, 100, 0, 0
```

178, 100, 0.74, -0.4
179, 100, 0.74, 0
180, 100, 2.6, -10.195
181, 100, 2.6, -7.76333333333333
182, 100, 2.6, -5.33166666666667
183, 100, 2.6, -2.9
184, 100, 3.225, 0
185, 100, 5.71, -0.4
186, 100, 5.71, 0
187, 100, 6.45, 0
188, 100, 7.19, -0.4
189, 100, 7.19, 0
190, 105, -6.45, 0
191, 105, -3.225, 0
192, 105, 0, 0
193, 105, 3.225, 0
194, 105, 6.45, 0
195, 110, -6.45, 0
196, 110, -3.225, 0
197, 110, 0, 0
198, 110, 3.225, 0
199, 110, 6.45, 0
200, 115, -6.45, 0
201, 115, -3.225, 0
202, 115, 0, 0
203, 115, 3.225, 0
204, 115, 6.45, 0
205, 120, -6.45, 0
206, 120, -3.225, 0
207, 120, 0, 0
208, 120, 3.225, 0
209, 120, 6.45, 0
210, 125, -6.45, 0
211, 125, -3.225, 0
212, 125, 0, 0
213, 125, 3.225, 0
214, 125, 6.45, 0
215, 130, -6.45, 0
216, 130, -3.225, 0
217, 130, 0, 0
218, 130, 3.225, 0
219, 130, 6.45, 0
220, 135, -6.45, 0
221, 135, -3.225, 0
222, 135, 0, 0
223, 135, 3.225, 0
224, 135, 6.45, 0
225, 139.6, -7.19, -0.4
226, 139.6, -7.19, 0
227, 139.6, -6.45, 0
228, 139.6, -5.71, -0.4
229, 139.6, -5.71, 0
230, 139.6, -0.74, -0.4
231, 139.6, -0.74, 0
232, 139.6, 0, -0.4
233, 139.6, 0, 0
234, 139.6, 0.74, -0.4
235, 139.6, 0.74, 0
236, 139.6, 5.71, -0.4
237, 139.6, 5.71, 0
238, 139.6, 6.45, 0
239, 139.6, 7.19, -0.4
240, 139.6, 7.19, 0
241, 140, -6.45, 0
242, 140, -3.225, 0
243, 140, 0, 0
244, 140, 3.225, 0
245, 140, 6.45, 0
246, 140.06, -2.6, -10.195
247, 140.06, -2.6, -7.76333333333333
248, 140.06, -2.6, -5.33166666666667
249, 140.06, -2.6, -2.9
250, 140.06, 0, -2.9
251, 140.06, 0, -1.6
252, 140.06, 0, -0.4
253, 140.06, 2.6, -10.195
254, 140.06, 2.6, -7.76333333333333
255, 140.06, 2.6, -5.33166666666667
256, 140.06, 2.6, -2.9
257, 140.12, -6.45, 0
258, 140.12, -3.225, 0
259, 140.12, 0, 0
260, 140.12, 3.225, 0
261, 140.12, 6.45, 0
262, 140.52, -7.19, -0.4
263, 140.52, -7.19, 0
264, 140.52, -6.45, 0
265, 140.52, -5.71, -0.4
266, 140.52, -5.71, 0
267, 140.52, -0.74, -0.4
268, 140.52, -0.74, 0
269, 140.52, 0, -0.4
270, 140.52, 0, 0
271, 140.52, 0.74, -0.4
272, 140.52, 0.74, 0
273, 140.52, 5.71, -0.4
274, 140.52, 5.71, 0
275, 140.52, 6.45, 0
276, 140.52, 7.19, -0.4
277, 140.52, 7.19, 0
278, 145.12, -6.45, 0
279, 145.12, -3.225, 0
280, 145.12, 0, 0
281, 145.12, 3.225, 0
282, 145.12, 6.45, 0
283, 150.12, -6.45, 0
284, 150.12, -3.225, 0
285, 150.12, 0, 0
286, 150.12, 3.225, 0
287, 150.12, 6.45, 0
288, 155.12, -6.45, 0
289, 155.12, -3.225, 0
290, 155.12, 0, 0
291, 155.12, 3.225, 0
292, 155.12, 6.45, 0
293, 160.12, -6.45, 0
294, 160.12, -3.225, 0
295, 160.12, 0, 0
296, 160.12, 3.225, 0
297, 160.12, 6.45, 0
298, 165.12, -6.45, 0
299, 165.12, -3.225, 0
300, 165.12, 0, 0
301, 165.12, 3.225, 0
302, 165.12, 6.45, 0
303, 170.12, -6.45, 0
304, 170.12, -3.225, 0
305, 170.12, 0, 0
306, 170.12, 3.225, 0
307, 170.12, 6.45, 0
308, 175.12, -6.45, 0
309, 175.12, -3.225, 0
310, 175.12, 0, 0
311, 175.12, 3.225, 0
312, 175.12, 6.45, 0
313, 180.12, -7.19, -0.4
314, 180.12, -7.19, 0
315, 180.12, -6.45, 0
316, 180.12, -5.71, -0.4
317, 180.12, -5.71, 0
318, 180.12, -3.225, 0
319, 180.12, -2.6, -10.195
320, 180.12, -2.6, -7.76333333333333
321, 180.12, -2.6, -5.33166666666667
322, 180.12, -2.6, -2.9
323, 180.12, -0.74, -0.4
324, 180.12, -0.74, 0
325, 180.12, 0, -2.9
326, 180.12, 0, -1.6
327, 180.12, 0, -0.4
328, 180.12, 0, 0
329, 180.12, 0.74, -0.4
330, 180.12, 0.74, 0
331, 180.12, 2.6, -10.195
332, 180.12, 2.6, -7.76333333333333
333, 180.12, 2.6, -5.33166666666667
334, 180.12, 2.6, -2.9
335, 180.12, 3.225, 0
336, 180.12, 5.71, -0.4
337, 180.12, 5.71, 0
338, 180.12, 6.45, 0
339, 180.12, 7.19, -0.4
340, 180.12, 7.19, 0
341, 185.12, -6.45, 0
342, 185.12, -3.225, 0
343, 185.12, 0, 0
344, 185.12, 3.225, 0
345, 185.12, 6.45, 0
346, 190.12, -6.45, 0
347, 190.12, -3.225, 0
348, 190.12, 0, 0
349, 190.12, 3.225, 0
350, 190.12, 6.45, 0
351, 195.12, -6.45, 0
352, 195.12, -3.225, 0
353, 195.12, 0, 0
354, 195.12, 3.225, 0
355, 195.12, 6.45, 0
356, 200.12, -6.45, 0
357, 200.12, -3.225, 0
358, 200.12, 0, 0
359, 200.12, 3.225, 0
360, 200.12, 6.45, 0
361, 205.12, -6.45, 0
362, 205.12, -3.225, 0
363, 205.12, 0, 0
364, 205.12, 3.225, 0
365, 205.12, 6.45, 0
366, 210.12, -6.45, 0
367, 210.12, -3.225, 0
368, 210.12, 0, 0
369, 210.12, 3.225, 0
370, 210.12, 6.45, 0
371, 215.12, -6.45, 0
372, 215.12, -3.225, 0
373, 215.12, 0, 0
374, 215.12, 3.225, 0
375, 215.12, 6.45, 0
376, 220.12, -7.19, -0.4
377, 220.12, -7.19, 0
378, 220.12, -6.45, 0
379, 220.12, -5.71, -0.4
380, 220.12, -5.71, 0
381, 220.12, -3.225, 0

382, 220.12, -2.6, -10.195
383, 220.12, -2.6, -7.76333333333333
384, 220.12, -2.6, -5.33166666666667
385, 220.12, -2.6, -2.9
386, 220.12, -0.74, -0.4
387, 220.12, -0.74, 0
388, 220.12, 0, -2.9
389, 220.12, 0, -1.6
390, 220.12, 0, -0.4
391, 220.12, 0, 0
392, 220.12, 0.74, -0.4
393, 220.12, 0.74, 0
394, 220.12, 2.6, -10.195
395, 220.12, 2.6, -7.76333333333333
396, 220.12, 2.6, -5.33166666666667
397, 220.12, 2.6, -2.9
398, 220.12, 3.225, 0
399, 220.12, 5.71, -0.4
400, 220.12, 5.71, 0
401, 220.12, 6.45, 0
402, 220.12, 7.19, -0.4
403, 220.12, 7.19, 0
404, 225.12, -6.45, 0
405, 225.12, -3.225, 0
406, 225.12, 0, 0
407, 225.12, 3.225, 0
408, 225.12, 6.45, 0
409, 230.12, -6.45, 0
410, 230.12, -3.225, 0
411, 230.12, 0, 0
412, 230.12, 3.225, 0
413, 230.12, 6.45, 0
414, 235.12, -6.45, 0
415, 235.12, -3.225, 0
416, 235.12, 0, 0
417, 235.12, 3.225, 0
418, 235.12, 6.45, 0
419, 240.12, -6.45, 0
420, 240.12, -3.225, 0
421, 240.12, 0, 0
422, 240.12, 3.225, 0
423, 240.12, 6.45, 0
424, 245.12, -6.45, 0
425, 245.12, -3.225, 0
426, 245.12, 0, 0
427, 245.12, 3.225, 0
428, 245.12, 6.45, 0
429, 250.12, -6.45, 0
430, 250.12, -3.225, 0
431, 250.12, 0, 0
432, 250.12, 3.225, 0
433, 250.12, 6.45, 0
434, 255.12, -6.45, 0
435, 255.12, -3.225, 0
436, 255.12, 0, 0
437, 255.12, 3.225, 0
438, 255.12, 6.45, 0
439, 259.72, -7.19, -0.4
440, 259.72, -7.19, 0
441, 259.72, -6.45, 0
442, 259.72, -5.71, -0.4
443, 259.72, -5.71, 0
444, 259.72, -0.74, -0.4
445, 259.72, -0.74, 0
446, 259.72, 0, -0.4
447, 259.72, 0, 0
448, 259.72, 0.74, -0.4
449, 259.72, 0.74, 0
450, 259.72, 5.71, -0.4
451, 259.72, 5.71, 0
452, 259.72, 6.45, 0
453, 259.72, 7.19, -0.4
454, 259.72, 7.19, 0
455, 260.12, -6.45, 0
456, 260.12, -3.225, 0
457, 260.12, 0, 0
458, 260.12, 3.225, 0
459, 260.12, 6.45, 0
460, 260.18, -2.6, -10.195
461, 260.18, -2.6, -7.76333333333333
462, 260.18, -2.6, -5.33166666666667
463, 260.18, -2.6, -2.9
464, 260.18, 0, -2.9
465, 260.18, 0, -1.6
466, 260.18, 0, -0.4
467, 260.18, 2.6, -10.195
468, 260.18, 2.6, -7.76333333333333
469, 260.18, 2.6, -5.33166666666667
470, 260.18, 2.6, -2.9
471, 260.24, -6.45, 0
472, 260.24, -3.225, 0
473, 260.24, 0, 0
474, 260.24, 3.225, 0
475, 260.24, 6.45, 0
476, 260.64, -7.19, -0.4
477, 260.64, -7.19, 0
478, 260.64, -6.45, 0
479, 260.64, -5.71, -0.4
480, 260.64, -5.71, 0
481, 260.64, -0.74, -0.4
482, 260.64, -0.74, 0
483, 260.64, 0, -0.4
484, 260.64, 0, 0
485, 260.64, 0.74, -0.4
486, 260.64, 0.74, 0
487, 260.64, 5.71, -0.4
488, 260.64, 5.71, 0
489, 260.64, 6.45, 0
490, 260.64, 7.19, -0.4
491, 260.64, 7.19, 0
492, 265.24, -6.45, 0
493, 265.24, -3.225, 0
494, 265.24, 0, 0
495, 265.24, 3.225, 0
496, 265.24, 6.45, 0
497, 270.24, -6.45, 0
498, 270.24, -3.225, 0
499, 270.24, 0, 0
500, 270.24, 3.225, 0
501, 270.24, 6.45, 0
502, 275.24, -6.45, 0
503, 275.24, -3.225, 0
504, 275.24, 0, 0
505, 275.24, 3.225, 0
506, 275.24, 6.45, 0
507, 280.24, -6.45, 0
508, 280.24, -3.225, 0
509, 280.24, 0, 0
510, 280.24, 3.225, 0
511, 280.24, 6.45, 0
512, 285.24, -6.45, 0
513, 285.24, -3.225, 0
514, 285.24, 0, 0
515, 285.24, 3.225, 0
516, 285.24, 6.45, 0
517, 290.24, -6.45, 0
518, 290.24, -3.225, 0
519, 290.24, 0, 0
520, 290.24, 3.225, 0
521, 290.24, 6.45, 0
522, 295.24, -6.45, 0
523, 295.24, -3.225, 0
524, 295.24, 0, 0
525, 295.24, 3.225, 0
526, 295.24, 6.45, 0
527, 300.24, -7.19, -0.4
528, 300.24, -7.19, 0
529, 300.24, -6.45, 0
530, 300.24, -5.71, -0.4
531, 300.24, -5.71, 0
532, 300.24, -3.225, 0
533, 300.24, -2.6, -10.195
534, 300.24, -2.6, -7.76333333333333
535, 300.24, -2.6, -5.33166666666667
536, 300.24, -2.6, -2.9
537, 300.24, -0.74, -0.4
538, 300.24, -0.74, 0
539, 300.24, 0, -2.9
540, 300.24, 0, -1.6
541, 300.24, 0, -0.4
542, 300.24, 0, 0
543, 300.24, 0.74, -0.4
544, 300.24, 0.74, 0
545, 300.24, 2.6, -10.195
546, 300.24, 2.6, -7.76333333333333
547, 300.24, 2.6, -5.33166666666667
548, 300.24, 2.6, -2.9
549, 300.24, 3.225, 0
550, 300.24, 5.71, -0.4
551, 300.24, 5.71, 0
552, 300.24, 6.45, 0
553, 300.24, 7.19, -0.4
554, 300.24, 7.19, 0
555, 305.24, -6.45, 0
556, 305.24, -3.225, 0
557, 305.24, 0, 0
558, 305.24, 3.225, 0
559, 305.24, 6.45, 0
560, 310.24, -6.45, 0
561, 310.24, -3.225, 0
562, 310.24, 0, 0
563, 310.24, 3.225, 0
564, 310.24, 6.45, 0
565, 315.24, -6.45, 0
566, 315.24, -3.225, 0
567, 315.24, 0, 0
568, 315.24, 3.225, 0
569, 315.24, 6.45, 0
570, 320.24, -6.45, 0
571, 320.24, -3.225, 0
572, 320.24, 0, 0
573, 320.24, 3.225, 0
574, 320.24, 6.45, 0
575, 325.24, -6.45, 0
576, 325.24, -3.225, 0
577, 325.24, 0, 0
578, 325.24, 3.225, 0
579, 325.24, 6.45, 0
580, 330.24, -6.45, 0
581, 330.24, -3.225, 0
582, 330.24, 0, 0
583, 330.24, 3.225, 0
584, 330.24, 6.45, 0
585, 335.24, -6.45, 0

586, 335.24, -3.225, 0
587, 335.24, 0, 0
588, 335.24, 3.225, 0
589, 335.24, 6.45, 0
590, 340.24, -7.19, -0.4
591, 340.24, -7.19, 0
592, 340.24, -6.45, 0
593, 340.24, -5.71, -0.4
594, 340.24, -5.71, 0
595, 340.24, -3.225, 0
596, 340.24, -2.6, -10.195
597, 340.24, -2.6, -7.76333333333333
598, 340.24, -2.6, -5.33166666666667
599, 340.24, -2.6, -2.9
600, 340.24, -0.74, -0.4
601, 340.24, -0.74, 0
602, 340.24, 0, -2.9
603, 340.24, 0, -1.6
604, 340.24, 0, -0.4
605, 340.24, 0, 0
606, 340.24, 0.74, -0.4
607, 340.24, 0.74, 0
608, 340.24, 2.6, -10.195
609, 340.24, 2.6, -7.76333333333333
610, 340.24, 2.6, -5.33166666666667
611, 340.24, 2.6, -2.9
612, 340.24, 3.225, 0
613, 340.24, 5.71, -0.4
614, 340.24, 5.71, 0
615, 340.24, 6.45, 0
616, 340.24, 7.19, -0.4
617, 340.24, 7.19, 0
618, 345.24, -6.45, 0
619, 345.24, -3.225, 0
620, 345.24, 0, 0
621, 345.24, 3.225, 0
622, 345.24, 6.45, 0
623, 350.24, -6.45, 0
624, 350.24, -3.225, 0
625, 350.24, 0, 0
626, 350.24, 3.225, 0
627, 350.24, 6.45, 0
628, 355.24, -6.45, 0
629, 355.24, -3.225, 0
630, 355.24, 0, 0
631, 355.24, 3.225, 0
632, 355.24, 6.45, 0
633, 360.24, -6.45, 0
634, 360.24, -3.225, 0
635, 360.24, 0, 0
636, 360.24, 3.225, 0
637, 360.24, 6.45, 0
638, 365.24, -6.45, 0
639, 365.24, -3.225, 0
640, 365.24, 0, 0
641, 365.24, 3.225, 0
642, 365.24, 6.45, 0
643, 370.24, -6.45, 0
644, 370.24, -3.225, 0
645, 370.24, 0, 0
646, 370.24, 3.225, 0
647, 370.24, 6.45, 0
648, 375.24, -6.45, 0
649, 375.24, -3.225, 0
650, 375.24, 0, 0
651, 375.24, 3.225, 0
652, 375.24, 6.45, 0
653, 379.84, -7.19, -0.4
654, 379.84, -7.19, 0
655, 379.84, -6.45, 0
656, 379.84, -5.71, -0.4
657, 379.84, -5.71, 0
658, 379.84, -0.74, -0.4
659, 379.84, -0.74, 0
660, 379.84, 0, -0.4
661, 379.84, 0, 0
662, 379.84, 0.74, -0.4
663, 379.84, 0.74, 0
664, 379.84, 5.71, -0.4
665, 379.84, 5.71, 0
666, 379.84, 6.45, 0
667, 379.84, 7.19, -0.4
668, 379.84, 7.19, 0
669, 380.24, -6.45, 0
670, 380.24, -3.225, 0
671, 380.24, 0, 0
672, 380.24, 3.225, 0
673, 380.24, 6.45, 0
674, 380.3, -2.6, -10.195
675, 380.3, -2.6, -7.76333333333333
676, 380.3, -2.6, -5.33166666666667
677, 380.3, -2.6, -2.9
678, 380.3, 0, -2.9
679, 380.3, 0, -1.6
680, 380.3, 0, -0.4
681, 380.3, 2.6, -10.195
682, 380.3, 2.6, -7.76333333333333
683, 380.3, 2.6, -5.33166666666667
684, 380.3, 2.6, -2.9
685, 380.36, -6.45, 0
686, 380.36, -3.225, 0
687, 380.36, 0, 0
688, 380.36, 3.225, 0
689, 380.36, 6.45, 0
690, 380.76, -7.19, -0.4
691, 380.76, -7.19, 0
692, 380.76, -6.45, 0
693, 380.76, -5.71, -0.4
694, 380.76, -5.71, 0
695, 380.76, -0.74, -0.4
696, 380.76, -0.74, 0
697, 380.76, 0, -0.4
698, 380.76, 0, 0
699, 380.76, 0.74, -0.4
700, 380.76, 0.74, 0
701, 380.76, 5.71, -0.4
702, 380.76, 5.71, 0
703, 380.76, 6.45, 0
704, 380.76, 7.19, -0.4
705, 380.76, 7.19, 0
706, 385.36, -6.45, 0
707, 385.36, -3.225, 0
708, 385.36, 0, 0
709, 385.36, 3.225, 0
710, 385.36, 6.45, 0
711, 390.36, -6.45, 0
712, 390.36, -3.225, 0
713, 390.36, 0, 0
714, 390.36, 3.225, 0
715, 390.36, 6.45, 0
716, 395.36, -6.45, 0
717, 395.36, -3.225, 0
718, 395.36, 0, 0
719, 395.36, 3.225, 0
720, 395.36, 6.45, 0
721, 400.36, -6.45, 0
722, 400.36, -3.225, 0
723, 400.36, 0, 0
724, 400.36, 3.225, 0
725, 400.36, 6.45, 0
726, 405.36, -6.45, 0
727, 405.36, -3.225, 0
728, 405.36, 0, 0
729, 405.36, 3.225, 0
730, 405.36, 6.45, 0
731, 410.36, -6.45, 0
732, 410.36, -3.225, 0
733, 410.36, 0, 0
734, 410.36, 3.225, 0
735, 410.36, 6.45, 0
736, 415.36, -6.45, 0
737, 415.36, -3.225, 0
738, 415.36, 0, 0
739, 415.36, 3.225, 0
740, 415.36, 6.45, 0
741, 420.36, -7.19, -0.4
742, 420.36, -7.19, 0
743, 420.36, -6.45, 0
744, 420.36, -5.71, -0.4
745, 420.36, -5.71, 0
746, 420.36, -3.225, 0
747, 420.36, -2.6, -10.195
748, 420.36, -2.6, -7.76333333333333
749, 420.36, -2.6, -5.33166666666667
750, 420.36, -2.6, -2.9
751, 420.36, -0.74, -0.4
752, 420.36, -0.74, 0
753, 420.36, 0, -2.9
754, 420.36, 0, -1.6
755, 420.36, 0, -0.4
756, 420.36, 0, 0
757, 420.36, 0.74, -0.4
758, 420.36, 0.74, 0
759, 420.36, 2.6, -10.195
760, 420.36, 2.6, -7.76333333333333
761, 420.36, 2.6, -5.33166666666667
762, 420.36, 2.6, -2.9
763, 420.36, 3.225, 0
764, 420.36, 5.71, -0.4
765, 420.36, 5.71, 0
766, 420.36, 6.45, 0
767, 420.36, 7.19, -0.4
768, 420.36, 7.19, 0
769, 425.36, -6.45, 0
770, 425.36, -3.225, 0
771, 425.36, 0, 0
772, 425.36, 3.225, 0
773, 425.36, 6.45, 0
774, 430.36, -6.45, 0
775, 430.36, -3.225, 0
776, 430.36, 0, 0
777, 430.36, 3.225, 0
778, 430.36, 6.45, 0
779, 435.36, -6.45, 0
780, 435.36, -3.225, 0
781, 435.36, 0, 0
782, 435.36, 3.225, 0
783, 435.36, 6.45, 0
784, 440.36, -6.45, 0
785, 440.36, -3.225, 0
786, 440.36, 0, 0
787, 440.36, 3.225, 0
788, 440.36, 6.45, 0
789, 445.36, -6.45, 0

790, 445.36, -3.225, 0
791, 445.36, 0, 0
792, 445.36, 3.225, 0
793, 445.36, 6.45, 0
794, 450.36, -6.45, 0
795, 450.36, -3.225, 0
796, 450.36, 0, 0
797, 450.36, 3.225, 0
798, 450.36, 6.45, 0
799, 455.36, -6.45, 0
800, 455.36, -3.225, 0
801, 455.36, 0, 0
802, 455.36, 3.225, 0
803, 455.36, 6.45, 0
804, 460.36, -7.19, -0.4
805, 460.36, -7.19, 0
806, 460.36, -6.45, 0
807, 460.36, -5.71, -0.4
808, 460.36, -5.71, 0
809, 460.36, -3.225, 0
810, 460.36, -2.6, -10.195
811, 460.36, -2.6, -7.76333333333333
812, 460.36, -2.6, -5.33166666666667
813, 460.36, -2.6, -2.9
814, 460.36, -0.74, -0.4
815, 460.36, -0.74, 0
816, 460.36, 0, -2.9
817, 460.36, 0, -1.6
818, 460.36, 0, -0.4
819, 460.36, 0, 0
820, 460.36, 0.74, -0.4
821, 460.36, 0.74, 0
822, 460.36, 2.6, -10.195
823, 460.36, 2.6, -7.76333333333333
824, 460.36, 2.6, -5.33166666666667
825, 460.36, 2.6, -2.9
826, 460.36, 3.225, 0
827, 460.36, 5.71, -0.4
828, 460.36, 5.71, 0
829, 460.36, 6.45, 0
830, 460.36, 7.19, -0.4
831, 460.36, 7.19, 0
832, 465.36, -6.45, 0
833, 465.36, -3.225, 0
834, 465.36, 0, 0
835, 465.36, 3.225, 0
836, 465.36, 6.45, 0
837, 470.36, -6.45, 0
838, 470.36, -3.225, 0
839, 470.36, 0, 0
840, 470.36, 3.225, 0
841, 470.36, 6.45, 0
842, 475.36, -6.45, 0
843, 475.36, -3.225, 0
844, 475.36, 0, 0
845, 475.36, 3.225, 0
846, 475.36, 6.45, 0
847, 480.36, -6.45, 0
848, 480.36, -3.225, 0
849, 480.36, 0, 0
850, 480.36, 3.225, 0
851, 480.36, 6.45, 0
852, 485.36, -6.45, 0
853, 485.36, -3.225, 0
854, 485.36, 0, 0
855, 485.36, 3.225, 0
856, 485.36, 6.45, 0
857, 490.36, -6.45, 0
858, 490.36, -3.225, 0
859, 490.36, 0, 0
860, 490.36, 3.225, 0
861, 490.36, 6.45, 0
862, 495.36, -6.45, 0
863, 495.36, -3.225, 0
864, 495.36, 0, 0
865, 495.36, 3.225, 0
866, 495.36, 6.45, 0
867, 499.96, -7.19, -0.4
868, 499.96, -7.19, 0
869, 499.96, -6.45, 0
870, 499.96, -5.71, -0.4
871, 499.96, -5.71, 0
872, 499.96, -0.74, -0.4
873, 499.96, -0.74, 0
874, 499.96, 0, 0
875, 499.96, 0.74, -0.4
876, 499.96, 0.74, 0
877, 499.96, 5.71, -0.4
878, 499.96, 5.71, 0
879, 499.96, 6.45, 0
880, 499.96, 7.19, -0.4
881, 499.96, 7.19, 0
882, 500.36, -6.45, 0
883, 500.36, -3.225, 0
884, 500.36, 0, 0
885, 500.36, 3.225, 0
886, 500.36, 6.45, 0
*ELEMENT ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 ; Solid Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL ; Frame(Ref. Point)
1, BEAM , 2, 2, 2, 1, 0
2, BEAM , 2, 2, 3, 2, 0
3, BEAM , 2, 2, 4, 3, 0
4, BEAM , 2, 2, 5, 4, 0
5, BEAM , 2, 1, 1, 8, 0
6, BEAM , 2, 1, 3, 13, 0
7, BEAM , 2, 1, 5, 18, 0
8, BEAM , 2, 3, 2, 22, 0
9, BEAM , 2, 3, 4, 24, 0
10, BEAM , 2, 1, 8, 21, 0
11, BEAM , 2, 1, 13, 23, 0
12, BEAM , 2, 1, 18, 25, 0
13, BEAM , 2, 2, 22, 21, 0
14, BEAM , 2, 2, 23, 22, 0
15, BEAM , 2, 2, 24, 23, 0
16, BEAM , 2, 2, 25, 24, 0
17, BEAM , 2, 1, 21, 26, 0
18, BEAM , 2, 3, 22, 27, 0
19, BEAM , 2, 1, 23, 28, 0
20, BEAM , 2, 3, 24, 29, 0
21, BEAM , 2, 1, 25, 30, 0
22, BEAM , 2, 2, 27, 26, 0
23, BEAM , 2, 2, 28, 27, 0
24, BEAM , 2, 2, 29, 28, 0
25, BEAM , 2, 2, 30, 29, 0
26, BEAM , 2, 1, 26, 31, 0
27, BEAM , 2, 3, 27, 32, 0
28, BEAM , 2, 1, 28, 33, 0
29, BEAM , 2, 3, 29, 34, 0
30, BEAM , 2, 1, 30, 35, 0
31, BEAM , 2, 2, 32, 31, 0
32, BEAM , 2, 2, 33, 32, 0
33, BEAM , 2, 2, 34, 33, 0
34, BEAM , 2, 2, 35, 34, 0
35, BEAM , 2, 1, 31, 38, 0
36, BEAM , 2, 3, 32, 41, 0
37, BEAM , 2, 1, 33, 51, 0
38, BEAM , 2, 3, 34, 58, 0
39, BEAM , 2, 1, 35, 61, 0
40, BEAM , 2, 2, 41, 38, 0
41, BEAM , 1, 6, 43, 42, 0
42, BEAM , 1, 6, 44, 43, 0
43, BEAM , 1, 6, 45, 44, 0
44, BEAM , 2, 2, 51, 41, 0
45, BEAM , 1, 5, 49, 48, 0
46, BEAM , 1, 4, 50, 49, 0
47, BEAM , 2, 2, 58, 51, 0

48, BEAM , 1, 6, 55, 54, 0
49, BEAM , 1, 6, 56, 55, 0
50, BEAM , 1, 6, 57, 56, 0
51, BEAM , 2, 2, 61, 58, 0
52, BEAM , 2, 1, 38, 64, 0
53, BEAM , 2, 3, 41, 65, 0
54, BEAM , 2, 1, 51, 66, 0
55, BEAM , 2, 3, 58, 67, 0
56, BEAM , 2, 1, 61, 68, 0
57, BEAM , 2, 2, 65, 64, 0
58, BEAM , 2, 2, 66, 65, 0
59, BEAM , 2, 2, 67, 66, 0
60, BEAM , 2, 2, 68, 67, 0
61, BEAM , 2, 1, 64, 69, 0
62, BEAM , 2, 3, 65, 70, 0
63, BEAM , 2, 1, 66, 71, 0
64, BEAM , 2, 3, 67, 72, 0
65, BEAM , 2, 1, 68, 73, 0
66, BEAM , 2, 2, 70, 69, 0
67, BEAM , 2, 2, 71, 70, 0
68, BEAM , 2, 2, 72, 71, 0
69, BEAM , 2, 2, 73, 72, 0
70, BEAM , 2, 1, 69, 74, 0
71, BEAM , 2, 3, 70, 75, 0
72, BEAM , 2, 1, 71, 76, 0
73, BEAM , 2, 3, 72, 77, 0
74, BEAM , 2, 1, 73, 78, 0
75, BEAM , 2, 2, 75, 74, 0
76, BEAM , 2, 2, 76, 75, 0
77, BEAM , 2, 2, 77, 76, 0
78, BEAM , 2, 2, 78, 77, 0
79, BEAM , 2, 1, 74, 79, 0
80, BEAM , 2, 3, 75, 80, 0
81, BEAM , 2, 1, 76, 81, 0
82, BEAM , 2, 3, 77, 82, 0
83, BEAM , 2, 1, 78, 83, 0
84, BEAM , 2, 2, 80, 79, 0
85, BEAM , 2, 2, 81, 80, 0
86, BEAM , 2, 2, 82, 81, 0
87, BEAM , 2, 2, 83, 82, 0
88, BEAM , 2, 1, 79, 84, 0
89, BEAM , 2, 3, 80, 85, 0
90, BEAM , 2, 1, 81, 86, 0
91, BEAM , 2, 3, 82, 87, 0
92, BEAM , 2, 1, 83, 88, 0
93, BEAM , 2, 2, 85, 84, 0
94, BEAM , 2, 2, 86, 85, 0
95, BEAM , 2, 2, 87, 86, 0
96, BEAM , 2, 2, 88, 87, 0
97, BEAM , 2, 1, 84, 89, 0
98, BEAM , 2, 3, 85, 90, 0
99, BEAM , 2, 1, 86, 91, 0
100, BEAM , 2, 3, 87, 92, 0
101, BEAM , 2, 1, 88, 93, 0
102, BEAM , 2, 2, 90, 89, 0
103, BEAM , 2, 2, 91, 90, 0
104, BEAM , 2, 2, 92, 91, 0
105, BEAM , 2, 2, 93, 92, 0
106, BEAM , 2, 1, 89, 94, 0
107, BEAM , 2, 3, 90, 95, 0
108, BEAM , 2, 1, 91, 96, 0
109, BEAM , 2, 3, 92, 97, 0
110, BEAM , 2, 1, 93, 98, 0
111, BEAM , 2, 2, 95, 94, 0
112, BEAM , 2, 2, 96, 95, 0
113, BEAM , 2, 2, 97, 96, 0
114, BEAM , 2, 2, 98, 97, 0
115, BEAM , 2, 1, 94, 101, 0
116, BEAM , 2, 3, 95, 104, 0
117, BEAM , 2, 1, 96, 114, 0
118, BEAM , 2, 3, 97, 121, 0
119, BEAM , 2, 1, 98, 124, 0
120, BEAM , 2, 2, 104, 101, 0
121, BEAM , 1, 6, 106, 105, 0
122, BEAM , 1, 6, 107, 106, 0
123, BEAM , 1, 6, 108, 107, 0
124, BEAM , 2, 2, 114, 104, 0
125, BEAM , 1, 5, 112, 111, 0
126, BEAM , 1, 4, 113, 112, 0
127, BEAM , 2, 2, 121, 114, 0
128, BEAM , 1, 6, 118, 117, 0
129, BEAM , 1, 6, 119, 118, 0
130, BEAM , 1, 6, 120, 119, 0
131, BEAM , 2, 2, 124, 121, 0
132, BEAM , 2, 1, 101, 127, 0
133, BEAM , 2, 3, 104, 128, 0
134, BEAM , 2, 1, 114, 129, 0
135, BEAM , 2, 3, 121, 130, 0
136, BEAM , 2, 1, 124, 131, 0
137, BEAM , 2, 2, 128, 127, 0
138, BEAM , 2, 2, 129, 128, 0
139, BEAM , 2, 2, 130, 129, 0
140, BEAM , 2, 2, 131, 130, 0
141, BEAM , 2, 1, 127, 132, 0
142, BEAM , 2, 3, 128, 133, 0
143, BEAM , 2, 1, 129, 134, 0
144, BEAM , 2, 3, 130, 135, 0
145, BEAM , 2, 1, 131, 136, 0
146, BEAM , 2, 2, 133, 132, 0
147, BEAM , 2, 2, 134, 133, 0
148, BEAM , 2, 2, 135, 134, 0
149, BEAM , 2, 2, 136, 135, 0

150, BEAM , 2, 1, 132, 137, 0
151, BEAM , 2, 3, 133, 138, 0
152, BEAM , 2, 1, 134, 139, 0
153, BEAM , 2, 3, 135, 140, 0
154, BEAM , 2, 1, 136, 141, 0
155, BEAM , 2, 2, 138, 137, 0
156, BEAM , 2, 2, 139, 138, 0
157, BEAM , 2, 2, 140, 139, 0
158, BEAM , 2, 2, 141, 140, 0
159, BEAM , 2, 1, 137, 142, 0
160, BEAM , 2, 3, 138, 143, 0
161, BEAM , 2, 1, 139, 144, 0
162, BEAM , 2, 3, 140, 145, 0
163, BEAM , 2, 1, 141, 146, 0
164, BEAM , 2, 2, 143, 142, 0
165, BEAM , 2, 2, 144, 143, 0
166, BEAM , 2, 2, 145, 144, 0
167, BEAM , 2, 2, 146, 145, 0
168, BEAM , 2, 1, 142, 147, 0
169, BEAM , 2, 3, 143, 148, 0
170, BEAM , 2, 1, 144, 149, 0
171, BEAM , 2, 3, 145, 150, 0
172, BEAM , 2, 1, 146, 151, 0
173, BEAM , 2, 2, 148, 147, 0
174, BEAM , 2, 2, 149, 148, 0
175, BEAM , 2, 2, 150, 149, 0
176, BEAM , 2, 2, 151, 150, 0
177, BEAM , 2, 1, 147, 152, 0
178, BEAM , 2, 3, 148, 153, 0
179, BEAM , 2, 1, 149, 154, 0
180, BEAM , 2, 3, 150, 155, 0
181, BEAM , 2, 1, 151, 156, 0
182, BEAM , 2, 2, 153, 152, 0
183, BEAM , 2, 2, 154, 153, 0
184, BEAM , 2, 2, 155, 154, 0
185, BEAM , 2, 2, 156, 155, 0
186, BEAM , 2, 1, 152, 157, 0
187, BEAM , 2, 3, 153, 158, 0
188, BEAM , 2, 1, 154, 159, 0
189, BEAM , 2, 3, 155, 160, 0
190, BEAM , 2, 1, 156, 161, 0
191, BEAM , 2, 2, 158, 157, 0
192, BEAM , 2, 2, 159, 158, 0
193, BEAM , 2, 2, 160, 159, 0
194, BEAM , 2, 2, 161, 160, 0
195, BEAM , 2, 1, 157, 164, 0
196, BEAM , 2, 3, 158, 167, 0
197, BEAM , 2, 1, 159, 177, 0
198, BEAM , 2, 3, 160, 184, 0
199, BEAM , 2, 1, 161, 187, 0
200, BEAM , 2, 2, 167, 164, 0
201, BEAM , 1, 6, 169, 168, 0
202, BEAM , 1, 6, 170, 169, 0
203, BEAM , 1, 6, 171, 170, 0
204, BEAM , 2, 2, 177, 167, 0
205, BEAM , 1, 5, 175, 174, 0
206, BEAM , 1, 4, 176, 175, 0
207, BEAM , 2, 2, 184, 177, 0
208, BEAM , 1, 6, 181, 180, 0
209, BEAM , 1, 6, 182, 181, 0
210, BEAM , 1, 6, 183, 182, 0
211, BEAM , 2, 2, 187, 184, 0
212, BEAM , 2, 1, 164, 190, 0
213, BEAM , 2, 3, 167, 191, 0
214, BEAM , 2, 1, 177, 192, 0
215, BEAM , 2, 3, 184, 193, 0
216, BEAM , 2, 1, 187, 194, 0
217, BEAM , 2, 2, 191, 190, 0
218, BEAM , 2, 2, 192, 191, 0
219, BEAM , 2, 2, 193, 192, 0
220, BEAM , 2, 2, 194, 193, 0
221, BEAM , 2, 1, 190, 195, 0
222, BEAM , 2, 3, 191, 196, 0
223, BEAM , 2, 1, 192, 197, 0
224, BEAM , 2, 3, 193, 198, 0
225, BEAM , 2, 1, 194, 199, 0
226, BEAM , 2, 2, 196, 195, 0
227, BEAM , 2, 2, 197, 196, 0
228, BEAM , 2, 2, 198, 197, 0
229, BEAM , 2, 2, 199, 198, 0
230, BEAM , 2, 1, 195, 200, 0
231, BEAM , 2, 3, 196, 201, 0
232, BEAM , 2, 1, 197, 202, 0
233, BEAM , 2, 3, 198, 203, 0
234, BEAM , 2, 1, 199, 204, 0
235, BEAM , 2, 2, 201, 200, 0
236, BEAM , 2, 2, 202, 201, 0
237, BEAM , 2, 2, 203, 202, 0
238, BEAM , 2, 2, 204, 203, 0
239, BEAM , 2, 1, 200, 205, 0
240, BEAM , 2, 3, 201, 206, 0
241, BEAM , 2, 1, 202, 207, 0
242, BEAM , 2, 3, 203, 208, 0
243, BEAM , 2, 1, 204, 209, 0
244, BEAM , 2, 2, 206, 205, 0
245, BEAM , 2, 2, 207, 206, 0
246, BEAM , 2, 2, 208, 207, 0
247, BEAM , 2, 2, 209, 208, 0
248, BEAM , 2, 1, 205, 210, 0
249, BEAM , 2, 3, 206, 211, 0
250, BEAM , 2, 1, 207, 212, 0
251, BEAM , 2, 3, 208, 213, 0

252, BEAM , 2, 1, 209, 214, 0
253, BEAM , 2, 2, 211, 210, 0
254, BEAM , 2, 2, 212, 211, 0
255, BEAM , 2, 2, 213, 212, 0
256, BEAM , 2, 2, 214, 213, 0
257, BEAM , 2, 1, 210, 215, 0
258, BEAM , 2, 3, 211, 216, 0
259, BEAM , 2, 1, 212, 217, 0
260, BEAM , 2, 3, 213, 218, 0
261, BEAM , 2, 1, 214, 219, 0
262, BEAM , 2, 2, 216, 215, 0
263, BEAM , 2, 2, 217, 216, 0
264, BEAM , 2, 2, 218, 217, 0
265, BEAM , 2, 2, 219, 218, 0
266, BEAM , 2, 1, 215, 220, 0
267, BEAM , 2, 3, 216, 221, 0
268, BEAM , 2, 1, 217, 222, 0
269, BEAM , 2, 3, 218, 223, 0
270, BEAM , 2, 1, 219, 224, 0
271, BEAM , 2, 2, 221, 220, 0
272, BEAM , 2, 2, 222, 221, 0
273, BEAM , 2, 2, 223, 222, 0
274, BEAM , 2, 2, 224, 223, 0
275, BEAM , 2, 1, 220, 227, 0
276, BEAM , 2, 1, 222, 233, 0
277, BEAM , 2, 1, 224, 238, 0
278, BEAM , 2, 3, 221, 242, 0
279, BEAM , 2, 3, 223, 244, 0
280, BEAM , 2, 1, 227, 241, 0
281, BEAM , 2, 1, 233, 243, 0
282, BEAM , 2, 1, 238, 245, 0
283, BEAM , 2, 2, 242, 241, 0
284, BEAM , 2, 2, 243, 242, 0
285, BEAM , 2, 2, 244, 243, 0
286, BEAM , 2, 2, 245, 244, 0
287, BEAM , 1, 6, 247, 246, 0
288, BEAM , 1, 6, 248, 247, 0
289, BEAM , 1, 6, 249, 248, 0
290, BEAM , 1, 5, 251, 250, 0
291, BEAM , 1, 4, 252, 251, 0
292, BEAM , 1, 6, 254, 253, 0
293, BEAM , 1, 6, 255, 254, 0
294, BEAM , 1, 6, 256, 255, 0
295, BEAM , 2, 2, 258, 257, 0
296, BEAM , 2, 2, 259, 258, 0
297, BEAM , 2, 2, 260, 259, 0
298, BEAM , 2, 2, 261, 260, 0
299, BEAM , 2, 1, 257, 264, 0
300, BEAM , 2, 1, 259, 270, 0
301, BEAM , 2, 1, 261, 275, 0
302, BEAM , 2, 3, 258, 279, 0
303, BEAM , 2, 3, 260, 281, 0
304, BEAM , 2, 1, 264, 278, 0
305, BEAM , 2, 1, 270, 280, 0
306, BEAM , 2, 1, 275, 282, 0
307, BEAM , 2, 2, 279, 278, 0
308, BEAM , 2, 2, 280, 279, 0
309, BEAM , 2, 2, 281, 280, 0
310, BEAM , 2, 2, 282, 281, 0
311, BEAM , 2, 1, 278, 283, 0
312, BEAM , 2, 3, 279, 284, 0
313, BEAM , 2, 1, 280, 285, 0
314, BEAM , 2, 3, 281, 286, 0
315, BEAM , 2, 1, 282, 287, 0
316, BEAM , 2, 2, 284, 283, 0
317, BEAM , 2, 2, 285, 284, 0
318, BEAM , 2, 2, 286, 285, 0
319, BEAM , 2, 2, 287, 286, 0
320, BEAM , 2, 1, 283, 288, 0
321, BEAM , 2, 3, 284, 289, 0
322, BEAM , 2, 1, 285, 290, 0
323, BEAM , 2, 3, 286, 291, 0
324, BEAM , 2, 1, 287, 292, 0
325, BEAM , 2, 2, 289, 288, 0
326, BEAM , 2, 2, 290, 289, 0
327, BEAM , 2, 2, 291, 290, 0
328, BEAM , 2, 2, 292, 291, 0
329, BEAM , 2, 1, 288, 293, 0
330, BEAM , 2, 3, 289, 294, 0
331, BEAM , 2, 1, 290, 295, 0
332, BEAM , 2, 3, 291, 296, 0
333, BEAM , 2, 1, 292, 297, 0
334, BEAM , 2, 2, 294, 293, 0
335, BEAM , 2, 2, 295, 294, 0
336, BEAM , 2, 2, 296, 295, 0
337, BEAM , 2, 2, 297, 296, 0
338, BEAM , 2, 1, 293, 298, 0
339, BEAM , 2, 3, 294, 299, 0
340, BEAM , 2, 1, 295, 300, 0
341, BEAM , 2, 3, 296, 301, 0
342, BEAM , 2, 1, 297, 302, 0
343, BEAM , 2, 2, 299, 298, 0
344, BEAM , 2, 2, 300, 299, 0
345, BEAM , 2, 2, 301, 300, 0
346, BEAM , 2, 2, 302, 301, 0
347, BEAM , 2, 1, 298, 303, 0
348, BEAM , 2, 3, 299, 304, 0
349, BEAM , 2, 1, 300, 305, 0
350, BEAM , 2, 3, 301, 306, 0
351, BEAM , 2, 1, 302, 307, 0
352, BEAM , 2, 2, 304, 303, 0
353, BEAM , 2, 2, 305, 304, 0

354, BEAM , 2, 2, 306, 305, 0
355, BEAM , 2, 2, 307, 306, 0
356, BEAM , 2, 1, 303, 308, 0
357, BEAM , 2, 3, 304, 309, 0
358, BEAM , 2, 1, 305, 310, 0
359, BEAM , 2, 3, 306, 311, 0
360, BEAM , 2, 1, 307, 312, 0
361, BEAM , 2, 2, 309, 308, 0
362, BEAM , 2, 2, 310, 309, 0
363, BEAM , 2, 2, 311, 310, 0
364, BEAM , 2, 2, 312, 311, 0
365, BEAM , 2, 1, 308, 315, 0
366, BEAM , 2, 3, 309, 318, 0
367, BEAM , 2, 1, 310, 328, 0
368, BEAM , 2, 3, 311, 335, 0
369, BEAM , 2, 1, 312, 338, 0
370, BEAM , 2, 2, 318, 315, 0
371, BEAM , 1, 6, 320, 319, 0
372, BEAM , 1, 6, 321, 320, 0
373, BEAM , 1, 6, 322, 321, 0
374, BEAM , 2, 2, 328, 318, 0
375, BEAM , 1, 5, 326, 325, 0
376, BEAM , 1, 4, 327, 326, 0
377, BEAM , 2, 2, 335, 328, 0
378, BEAM , 1, 6, 332, 331, 0
379, BEAM , 1, 6, 333, 332, 0
380, BEAM , 1, 6, 334, 333, 0
381, BEAM , 2, 2, 338, 335, 0
382, BEAM , 2, 1, 315, 341, 0
383, BEAM , 2, 3, 318, 342, 0
384, BEAM , 2, 1, 328, 343, 0
385, BEAM , 2, 3, 335, 344, 0
386, BEAM , 2, 1, 338, 345, 0
387, BEAM , 2, 2, 342, 341, 0
388, BEAM , 2, 2, 343, 342, 0
389, BEAM , 2, 2, 344, 343, 0
390, BEAM , 2, 2, 345, 344, 0
391, BEAM , 2, 1, 341, 346, 0
392, BEAM , 2, 3, 342, 347, 0
393, BEAM , 2, 1, 343, 348, 0
394, BEAM , 2, 3, 344, 349, 0
395, BEAM , 2, 1, 345, 350, 0
396, BEAM , 2, 2, 347, 346, 0
397, BEAM , 2, 2, 348, 347, 0
398, BEAM , 2, 2, 349, 348, 0
399, BEAM , 2, 2, 350, 349, 0
400, BEAM , 2, 1, 346, 351, 0
401, BEAM , 2, 3, 347, 352, 0
402, BEAM , 2, 1, 348, 353, 0
403, BEAM , 2, 3, 349, 354, 0
404, BEAM , 2, 1, 350, 355, 0
405, BEAM , 2, 2, 352, 351, 0
406, BEAM , 2, 2, 353, 352, 0
407, BEAM , 2, 2, 354, 353, 0
408, BEAM , 2, 2, 355, 354, 0
409, BEAM , 2, 1, 351, 356, 0
410, BEAM , 2, 3, 352, 357, 0
411, BEAM , 2, 1, 353, 358, 0
412, BEAM , 2, 3, 354, 359, 0
413, BEAM , 2, 1, 355, 360, 0
414, BEAM , 2, 2, 357, 356, 0
415, BEAM , 2, 2, 358, 357, 0
416, BEAM , 2, 2, 359, 358, 0
417, BEAM , 2, 2, 360, 359, 0
418, BEAM , 2, 1, 356, 361, 0
419, BEAM , 2, 3, 357, 362, 0
420, BEAM , 2, 1, 358, 363, 0
421, BEAM , 2, 3, 359, 364, 0
422, BEAM , 2, 1, 360, 365, 0
423, BEAM , 2, 2, 362, 361, 0
424, BEAM , 2, 2, 363, 362, 0
425, BEAM , 2, 2, 364, 363, 0
426, BEAM , 2, 2, 365, 364, 0
427, BEAM , 2, 1, 361, 366, 0
428, BEAM , 2, 3, 362, 367, 0
429, BEAM , 2, 1, 363, 368, 0
430, BEAM , 2, 3, 364, 369, 0
431, BEAM , 2, 1, 365, 370, 0
432, BEAM , 2, 2, 367, 366, 0
433, BEAM , 2, 2, 368, 367, 0
434, BEAM , 2, 2, 369, 368, 0
435, BEAM , 2, 2, 370, 369, 0
436, BEAM , 2, 1, 366, 371, 0
437, BEAM , 2, 3, 367, 372, 0
438, BEAM , 2, 1, 368, 373, 0
439, BEAM , 2, 3, 369, 374, 0
440, BEAM , 2, 1, 370, 375, 0
441, BEAM , 2, 2, 372, 371, 0
442, BEAM , 2, 2, 373, 372, 0
443, BEAM , 2, 2, 374, 373, 0
444, BEAM , 2, 2, 375, 374, 0
445, BEAM , 2, 1, 371, 378, 0
446, BEAM , 2, 3, 372, 381, 0
447, BEAM , 2, 1, 373, 391, 0
448, BEAM , 2, 3, 374, 398, 0
449, BEAM , 2, 1, 375, 401, 0
450, BEAM , 2, 2, 381, 378, 0
451, BEAM , 1, 6, 383, 382, 0
452, BEAM , 1, 6, 384, 383, 0
453, BEAM , 1, 6, 385, 384, 0
454, BEAM , 2, 2, 391, 381, 0
455, BEAM , 1, 5, 389, 388, 0

456, BEAM , 1, 4, 390, 389,
0
457, BEAM , 2, 2, 398, 391,
0
458, BEAM , 1, 6, 395, 394,
0
459, BEAM , 1, 6, 396, 395,
0
460, BEAM , 1, 6, 397, 396,
0
461, BEAM , 2, 2, 401, 398,
0
462, BEAM , 2, 1, 378, 404,
0
463, BEAM , 2, 3, 381, 405,
0
464, BEAM , 2, 1, 391, 406,
0
465, BEAM , 2, 3, 398, 407,
0
466, BEAM , 2, 1, 401, 408,
0
467, BEAM , 2, 2, 405, 404,
0
468, BEAM , 2, 2, 406, 405,
0
469, BEAM , 2, 2, 407, 406,
0
470, BEAM , 2, 2, 408, 407,
0
471, BEAM , 2, 1, 404, 409,
0
472, BEAM , 2, 3, 405, 410,
0
473, BEAM , 2, 1, 406, 411,
0
474, BEAM , 2, 3, 407, 412,
0
475, BEAM , 2, 1, 408, 413,
0
476, BEAM , 2, 2, 410, 409,
0
477, BEAM , 2, 2, 411, 410,
0
478, BEAM , 2, 2, 412, 411,
0
479, BEAM , 2, 2, 413, 412,
0
480, BEAM , 2, 1, 409, 414,
0
481, BEAM , 2, 3, 410, 415,
0
482, BEAM , 2, 1, 411, 416,
0
483, BEAM , 2, 3, 412, 417,
0
484, BEAM , 2, 1, 413, 418,
0
485, BEAM , 2, 2, 415, 414,
0
486, BEAM , 2, 2, 416, 415,
0
487, BEAM , 2, 2, 417, 416,
0
488, BEAM , 2, 2, 418, 417,
0
489, BEAM , 2, 1, 414, 419,
0
490, BEAM , 2, 3, 415, 420,
0
491, BEAM , 2, 1, 416, 421,
0
492, BEAM , 2, 3, 417, 422,
0
493, BEAM , 2, 1, 418, 423,
0
494, BEAM , 2, 2, 420, 419,
0
495, BEAM , 2, 2, 421, 420,
0
496, BEAM , 2, 2, 422, 421,
0
497, BEAM , 2, 2, 423, 422,
0
498, BEAM , 2, 1, 419, 424,
0
499, BEAM , 2, 3, 420, 425,
0
500, BEAM , 2, 1, 421, 426,
0
501, BEAM , 2, 3, 422, 427,
0
502, BEAM , 2, 1, 423, 428,
0
503, BEAM , 2, 2, 425, 424,
0
504, BEAM , 2, 2, 426, 425,
0
505, BEAM , 2, 2, 427, 426,
0
506, BEAM , 2, 2, 428, 427,
0
507, BEAM , 2, 1, 424, 429,
0
508, BEAM , 2, 3, 425, 430,
0
509, BEAM , 2, 1, 426, 431,
0
510, BEAM , 2, 3, 427, 432,
0
511, BEAM , 2, 1, 428, 433,
0
512, BEAM , 2, 2, 430, 429,
0
513, BEAM , 2, 2, 431, 430,
0
514, BEAM , 2, 2, 432, 431,
0
515, BEAM , 2, 2, 433, 432,
0
516, BEAM , 2, 1, 429, 434,
0
517, BEAM , 2, 3, 430, 435,
0
518, BEAM , 2, 1, 431, 436,
0
519, BEAM , 2, 3, 432, 437,
0
520, BEAM , 2, 1, 433, 438,
0
521, BEAM , 2, 2, 435, 434,
0
522, BEAM , 2, 2, 436, 435,
0
523, BEAM , 2, 2, 437, 436,
0
524, BEAM , 2, 2, 438, 437,
0
525, BEAM , 2, 1, 434, 441,
0
526, BEAM , 2, 1, 436, 447,
0
527, BEAM , 2, 1, 438, 452,
0
528, BEAM , 2, 3, 435, 456,
0
529, BEAM , 2, 3, 437, 458,
0
530, BEAM , 2, 1, 441, 455,
0
531, BEAM , 2, 1, 447, 457,
0
532, BEAM , 2, 1, 452, 459,
0
533, BEAM , 2, 2, 456, 455,
0
534, BEAM , 2, 2, 457, 456,
0
535, BEAM , 2, 2, 458, 457,
0
536, BEAM , 2, 2, 459, 458,
0
537, BEAM , 1, 6, 461, 460,
0
538, BEAM , 1, 6, 462, 461,
0
539, BEAM , 1, 6, 463, 462,
0
540, BEAM , 1, 5, 465, 464,
0
541, BEAM , 1, 4, 466, 465,
0
542, BEAM , 1, 6, 468, 467,
0
543, BEAM , 1, 6, 469, 468,
0
544, BEAM , 1, 6, 470, 469,
0
545, BEAM , 2, 2, 472, 471,
0
546, BEAM , 2, 2, 473, 472,
0
547, BEAM , 2, 2, 474, 473,
0
548, BEAM , 2, 2, 475, 474,
0
549, BEAM , 2, 1, 471, 478,
0
550, BEAM , 2, 1, 473, 484,
0
551, BEAM , 2, 1, 475, 489,
0
552, BEAM , 2, 3, 472, 493,
0
553, BEAM , 2, 3, 474, 495,
0
554, BEAM , 2, 1, 478, 492,
0
555, BEAM , 2, 1, 484, 494,
0
556, BEAM , 2, 1, 489, 496,
0
557, BEAM , 2, 2, 493, 492,
0

558, BEAM , 2, 2, 494, 493, 0
559, BEAM , 2, 2, 495, 494, 0
560, BEAM , 2, 2, 496, 495, 0
561, BEAM , 2, 1, 492, 497, 0
562, BEAM , 2, 3, 493, 498, 0
563, BEAM , 2, 1, 494, 499, 0
564, BEAM , 2, 3, 495, 500, 0
565, BEAM , 2, 1, 496, 501, 0
566, BEAM , 2, 2, 498, 497, 0
567, BEAM , 2, 2, 499, 498, 0
568, BEAM , 2, 2, 500, 499, 0
569, BEAM , 2, 2, 501, 500, 0
570, BEAM , 2, 1, 497, 502, 0
571, BEAM , 2, 3, 498, 503, 0
572, BEAM , 2, 1, 499, 504, 0
573, BEAM , 2, 3, 500, 505, 0
574, BEAM , 2, 1, 501, 506, 0
575, BEAM , 2, 2, 503, 502, 0
576, BEAM , 2, 2, 504, 503, 0
577, BEAM , 2, 2, 505, 504, 0
578, BEAM , 2, 2, 506, 505, 0
579, BEAM , 2, 1, 502, 507, 0
580, BEAM , 2, 3, 503, 508, 0
581, BEAM , 2, 1, 504, 509, 0
582, BEAM , 2, 3, 505, 510, 0
583, BEAM , 2, 1, 506, 511, 0
584, BEAM , 2, 2, 508, 507, 0
585, BEAM , 2, 2, 509, 508, 0
586, BEAM , 2, 2, 510, 509, 0
587, BEAM , 2, 2, 511, 510, 0
588, BEAM , 2, 1, 507, 512, 0
589, BEAM , 2, 3, 508, 513, 0
590, BEAM , 2, 1, 509, 514, 0
591, BEAM , 2, 3, 510, 515, 0
592, BEAM , 2, 1, 511, 516, 0
593, BEAM , 2, 2, 513, 512, 0
594, BEAM , 2, 2, 514, 513, 0
595, BEAM , 2, 2, 515, 514, 0
596, BEAM , 2, 2, 516, 515, 0
597, BEAM , 2, 1, 512, 517, 0
598, BEAM , 2, 3, 513, 518, 0
599, BEAM , 2, 1, 514, 519, 0
600, BEAM , 2, 3, 515, 520, 0
601, BEAM , 2, 1, 516, 521, 0
602, BEAM , 2, 2, 518, 517, 0
603, BEAM , 2, 2, 519, 518, 0
604, BEAM , 2, 2, 520, 519, 0
605, BEAM , 2, 2, 521, 520, 0
606, BEAM , 2, 1, 517, 522, 0
607, BEAM , 2, 3, 518, 523, 0
608, BEAM , 2, 1, 519, 524, 0
609, BEAM , 2, 3, 520, 525, 0
610, BEAM , 2, 1, 521, 526, 0
611, BEAM , 2, 2, 523, 522, 0
612, BEAM , 2, 2, 524, 523, 0
613, BEAM , 2, 2, 525, 524, 0
614, BEAM , 2, 2, 526, 525, 0
615, BEAM , 2, 1, 522, 529, 0
616, BEAM , 2, 3, 523, 532, 0
617, BEAM , 2, 1, 524, 542, 0
618, BEAM , 2, 3, 525, 549, 0
619, BEAM , 2, 1, 526, 552, 0
620, BEAM , 2, 2, 532, 529, 0
621, BEAM , 1, 6, 534, 533, 0
622, BEAM , 1, 6, 535, 534, 0
623, BEAM , 1, 6, 536, 535, 0
624, BEAM , 2, 2, 542, 532, 0
625, BEAM , 1, 5, 540, 539, 0
626, BEAM , 1, 4, 541, 540, 0
627, BEAM , 2, 2, 549, 542, 0
628, BEAM , 1, 6, 546, 545, 0
629, BEAM , 1, 6, 547, 546, 0
630, BEAM , 1, 6, 548, 547, 0
631, BEAM , 2, 2, 552, 549, 0
632, BEAM , 2, 1, 529, 555, 0
633, BEAM , 2, 3, 532, 556, 0
634, BEAM , 2, 1, 542, 557, 0
635, BEAM , 2, 3, 549, 558, 0
636, BEAM , 2, 1, 552, 559, 0
637, BEAM , 2, 2, 556, 555, 0
638, BEAM , 2, 2, 557, 556, 0
639, BEAM , 2, 2, 558, 557, 0
640, BEAM , 2, 2, 559, 558, 0
641, BEAM , 2, 1, 555, 560, 0
642, BEAM , 2, 3, 556, 561, 0
643, BEAM , 2, 1, 557, 562, 0
644, BEAM , 2, 3, 558, 563, 0
645, BEAM , 2, 1, 559, 564, 0
646, BEAM , 2, 2, 561, 560, 0
647, BEAM , 2, 2, 562, 561, 0
648, BEAM , 2, 2, 563, 562, 0
649, BEAM , 2, 2, 564, 563, 0
650, BEAM , 2, 1, 560, 565, 0
651, BEAM , 2, 3, 561, 566, 0
652, BEAM , 2, 1, 562, 567, 0
653, BEAM , 2, 3, 563, 568, 0
654, BEAM , 2, 1, 564, 569, 0
655, BEAM , 2, 2, 566, 565, 0
656, BEAM , 2, 2, 567, 566, 0
657, BEAM , 2, 2, 568, 567, 0
658, BEAM , 2, 2, 569, 568, 0
659, BEAM , 2, 1, 565, 570, 0

660, BEAM , 2, 3, 566, 571, 0
661, BEAM , 2, 1, 567, 572, 0
662, BEAM , 2, 3, 568, 573, 0
663, BEAM , 2, 1, 569, 574, 0
664, BEAM , 2, 2, 571, 570, 0
665, BEAM , 2, 2, 572, 571, 0
666, BEAM , 2, 2, 573, 572, 0
667, BEAM , 2, 2, 574, 573, 0
668, BEAM , 2, 1, 570, 575, 0
669, BEAM , 2, 3, 571, 576, 0
670, BEAM , 2, 1, 572, 577, 0
671, BEAM , 2, 3, 573, 578, 0
672, BEAM , 2, 1, 574, 579, 0
673, BEAM , 2, 2, 576, 575, 0
674, BEAM , 2, 2, 577, 576, 0
675, BEAM , 2, 2, 578, 577, 0
676, BEAM , 2, 2, 579, 578, 0
677, BEAM , 2, 1, 575, 580, 0
678, BEAM , 2, 3, 576, 581, 0
679, BEAM , 2, 1, 577, 582, 0
680, BEAM , 2, 3, 578, 583, 0
681, BEAM , 2, 1, 579, 584, 0
682, BEAM , 2, 2, 581, 580, 0
683, BEAM , 2, 2, 582, 581, 0
684, BEAM , 2, 2, 583, 582, 0
685, BEAM , 2, 2, 584, 583, 0
686, BEAM , 2, 1, 580, 585, 0
687, BEAM , 2, 3, 581, 586, 0
688, BEAM , 2, 1, 582, 587, 0
689, BEAM , 2, 3, 583, 588, 0
690, BEAM , 2, 1, 584, 589, 0
691, BEAM , 2, 2, 586, 585, 0
692, BEAM , 2, 2, 587, 586, 0
693, BEAM , 2, 2, 588, 587, 0
694, BEAM , 2, 2, 589, 588, 0
695, BEAM , 2, 1, 585, 592, 0
696, BEAM , 2, 3, 586, 595, 0
697, BEAM , 2, 1, 587, 605, 0
698, BEAM , 2, 3, 588, 612, 0
699, BEAM , 2, 1, 589, 615, 0
700, BEAM , 2, 2, 595, 592, 0
701, BEAM , 1, 6, 597, 596, 0
702, BEAM , 1, 6, 598, 597, 0
703, BEAM , 1, 6, 599, 598, 0
704, BEAM , 2, 2, 605, 595, 0
705, BEAM , 1, 5, 603, 602, 0
706, BEAM , 1, 4, 604, 603, 0
707, BEAM , 2, 2, 612, 605, 0
708, BEAM , 1, 6, 609, 608, 0
709, BEAM , 1, 6, 610, 609, 0
710, BEAM , 1, 6, 611, 610, 0
711, BEAM , 2, 2, 615, 612, 0
712, BEAM , 2, 1, 592, 618, 0
713, BEAM , 2, 3, 595, 619, 0
714, BEAM , 2, 1, 605, 620, 0
715, BEAM , 2, 3, 612, 621, 0
716, BEAM , 2, 1, 615, 622, 0
717, BEAM , 2, 2, 619, 618, 0
718, BEAM , 2, 2, 620, 619, 0
719, BEAM , 2, 2, 621, 620, 0
720, BEAM , 2, 2, 622, 621, 0
721, BEAM , 2, 1, 618, 623, 0
722, BEAM , 2, 3, 619, 624, 0
723, BEAM , 2, 1, 620, 625, 0
724, BEAM , 2, 3, 621, 626, 0
725, BEAM , 2, 1, 622, 627, 0
726, BEAM , 2, 2, 624, 623, 0
727, BEAM , 2, 2, 625, 624, 0
728, BEAM , 2, 2, 626, 625, 0
729, BEAM , 2, 2, 627, 626, 0
730, BEAM , 2, 1, 623, 628, 0
731, BEAM , 2, 3, 624, 629, 0
732, BEAM , 2, 1, 625, 630, 0
733, BEAM , 2, 3, 626, 631, 0
734, BEAM , 2, 1, 627, 632, 0
735, BEAM , 2, 2, 629, 628, 0
736, BEAM , 2, 2, 630, 629, 0
737, BEAM , 2, 2, 631, 630, 0
738, BEAM , 2, 2, 632, 631, 0
739, BEAM , 2, 1, 628, 633, 0
740, BEAM , 2, 3, 629, 634, 0
741, BEAM , 2, 1, 630, 635, 0
742, BEAM , 2, 3, 631, 636, 0
743, BEAM , 2, 1, 632, 637, 0
744, BEAM , 2, 2, 634, 633, 0
745, BEAM , 2, 2, 635, 634, 0
746, BEAM , 2, 2, 636, 635, 0
747, BEAM , 2, 2, 637, 636, 0
748, BEAM , 2, 1, 633, 638, 0
749, BEAM , 2, 3, 634, 639, 0
750, BEAM , 2, 1, 635, 640, 0
751, BEAM , 2, 3, 636, 641, 0
752, BEAM , 2, 1, 637, 642, 0
753, BEAM , 2, 2, 639, 638, 0
754, BEAM , 2, 2, 640, 639, 0
755, BEAM , 2, 2, 641, 640, 0
756, BEAM , 2, 2, 642, 641, 0
757, BEAM , 2, 1, 638, 643, 0
758, BEAM , 2, 3, 639, 644, 0
759, BEAM , 2, 1, 640, 645, 0
760, BEAM , 2, 3, 641, 646, 0
761, BEAM , 2, 1, 642, 647, 0

762, BEAM , 2, 2, 644, 643, 0
763, BEAM , 2, 2, 645, 644, 0
764, BEAM , 2, 2, 646, 645, 0
765, BEAM , 2, 2, 647, 646, 0
766, BEAM , 2, 1, 643, 648, 0
767, BEAM , 2, 3, 644, 649, 0
768, BEAM , 2, 1, 645, 650, 0
769, BEAM , 2, 3, 646, 651, 0
770, BEAM , 2, 1, 647, 652, 0
771, BEAM , 2, 2, 649, 648, 0
772, BEAM , 2, 2, 650, 649, 0
773, BEAM , 2, 2, 651, 650, 0
774, BEAM , 2, 2, 652, 651, 0
775, BEAM , 2, 1, 648, 655, 0
776, BEAM , 2, 1, 650, 661, 0
777, BEAM , 2, 1, 652, 666, 0
778, BEAM , 2, 3, 649, 670, 0
779, BEAM , 2, 3, 651, 672, 0
780, BEAM , 2, 1, 655, 669, 0
781, BEAM , 2, 1, 661, 671, 0
782, BEAM , 2, 1, 666, 673, 0
783, BEAM , 2, 2, 670, 669, 0
784, BEAM , 2, 2, 671, 670, 0
785, BEAM , 2, 2, 672, 671, 0
786, BEAM , 2, 2, 673, 672, 0
787, BEAM , 1, 6, 675, 674, 0
788, BEAM , 1, 6, 676, 675, 0
789, BEAM , 1, 6, 677, 676, 0
790, BEAM , 1, 5, 679, 678, 0
791, BEAM , 1, 4, 680, 679, 0
792, BEAM , 1, 6, 682, 681, 0
793, BEAM , 1, 6, 683, 682, 0
794, BEAM , 1, 6, 684, 683, 0
795, BEAM , 2, 2, 686, 685, 0
796, BEAM , 2, 2, 687, 686, 0
797, BEAM , 2, 2, 688, 687, 0
798, BEAM , 2, 2, 689, 688, 0
799, BEAM , 2, 1, 685, 692, 0
800, BEAM , 2, 1, 687, 698, 0
801, BEAM , 2, 1, 689, 703, 0
802, BEAM , 2, 3, 686, 707, 0
803, BEAM , 2, 3, 688, 709, 0
804, BEAM , 2, 1, 692, 706, 0
805, BEAM , 2, 1, 698, 708, 0
806, BEAM , 2, 1, 703, 710, 0
807, BEAM , 2, 2, 707, 706, 0
808, BEAM , 2, 2, 708, 707, 0
809, BEAM , 2, 2, 709, 708, 0
810, BEAM , 2, 2, 710, 709, 0
811, BEAM , 2, 1, 706, 711, 0
812, BEAM , 2, 3, 707, 712, 0
813, BEAM , 2, 1, 708, 713, 0
814, BEAM , 2, 3, 709, 714, 0
815, BEAM , 2, 1, 710, 715, 0
816, BEAM , 2, 2, 712, 711, 0
817, BEAM , 2, 2, 713, 712, 0
818, BEAM , 2, 2, 714, 713, 0
819, BEAM , 2, 2, 715, 714, 0
820, BEAM , 2, 1, 711, 716, 0
821, BEAM , 2, 3, 712, 717, 0
822, BEAM , 2, 1, 713, 718, 0
823, BEAM , 2, 3, 714, 719, 0
824, BEAM , 2, 1, 715, 720, 0
825, BEAM , 2, 2, 717, 716, 0
826, BEAM , 2, 2, 718, 717, 0
827, BEAM , 2, 2, 719, 718, 0
828, BEAM , 2, 2, 720, 719, 0
829, BEAM , 2, 1, 716, 721, 0
830, BEAM , 2, 3, 717, 722, 0
831, BEAM , 2, 1, 718, 723, 0
832, BEAM , 2, 3, 719, 724, 0
833, BEAM , 2, 1, 720, 725, 0
834, BEAM , 2, 2, 722, 721, 0
835, BEAM , 2, 2, 723, 722, 0
836, BEAM , 2, 2, 724, 723, 0
837, BEAM , 2, 2, 725, 724, 0
838, BEAM , 2, 1, 721, 726, 0
839, BEAM , 2, 3, 722, 727, 0
840, BEAM , 2, 1, 723, 728, 0
841, BEAM , 2, 3, 724, 729, 0
842, BEAM , 2, 1, 725, 730, 0
843, BEAM , 2, 2, 727, 726, 0
844, BEAM , 2, 2, 728, 727, 0
845, BEAM , 2, 2, 729, 728, 0
846, BEAM , 2, 2, 730, 729, 0
847, BEAM , 2, 1, 726, 731, 0
848, BEAM , 2, 3, 727, 732, 0
849, BEAM , 2, 1, 728, 733, 0
850, BEAM , 2, 3, 729, 734, 0
851, BEAM , 2, 1, 730, 735, 0
852, BEAM , 2, 2, 732, 731, 0
853, BEAM , 2, 2, 733, 732, 0
854, BEAM , 2, 2, 734, 733, 0
855, BEAM , 2, 2, 735, 734, 0
856, BEAM , 2, 1, 731, 736, 0
857, BEAM , 2, 3, 732, 737, 0
858, BEAM , 2, 1, 733, 738, 0
859, BEAM , 2, 3, 734, 739, 0
860, BEAM , 2, 1, 735, 740, 0
861, BEAM , 2, 2, 737, 736, 0
862, BEAM , 2, 2, 738, 737, 0
863, BEAM , 2, 2, 739, 738, 0

864, BEAM , 2, 2, 740, 739, 0
865, BEAM , 2, 1, 736, 743, 0
866, BEAM , 2, 3, 737, 746, 0
867, BEAM , 2, 1, 738, 756, 0
868, BEAM , 2, 3, 739, 763, 0
869, BEAM , 2, 1, 740, 766, 0
870, BEAM , 2, 2, 746, 743, 0
871, BEAM , 1, 6, 748, 747, 0
872, BEAM , 1, 6, 749, 748, 0
873, BEAM , 1, 6, 750, 749, 0
874, BEAM , 2, 2, 756, 746, 0
875, BEAM , 1, 5, 754, 753, 0
876, BEAM , 1, 4, 755, 754, 0
877, BEAM , 2, 2, 763, 756, 0
878, BEAM , 1, 6, 760, 759, 0
879, BEAM , 1, 6, 761, 760, 0
880, BEAM , 1, 6, 762, 761, 0
881, BEAM , 2, 2, 766, 763, 0
882, BEAM , 2, 1, 743, 769, 0
883, BEAM , 2, 3, 746, 770, 0
884, BEAM , 2, 1, 756, 771, 0
885, BEAM , 2, 3, 763, 772, 0
886, BEAM , 2, 1, 766, 773, 0
887, BEAM , 2, 2, 770, 769, 0
888, BEAM , 2, 2, 771, 770, 0
889, BEAM , 2, 2, 772, 771, 0
890, BEAM , 2, 2, 773, 772, 0
891, BEAM , 2, 1, 769, 774, 0
892, BEAM , 2, 3, 770, 775, 0
893, BEAM , 2, 1, 771, 776, 0
894, BEAM , 2, 3, 772, 777, 0
895, BEAM , 2, 1, 773, 778, 0
896, BEAM , 2, 2, 775, 774, 0
897, BEAM , 2, 2, 776, 775, 0
898, BEAM , 2, 2, 777, 776, 0
899, BEAM , 2, 2, 778, 777, 0
900, BEAM , 2, 1, 774, 779, 0
901, BEAM , 2, 3, 775, 780, 0
902, BEAM , 2, 1, 776, 781, 0
903, BEAM , 2, 3, 777, 782, 0
904, BEAM , 2, 1, 778, 783, 0
905, BEAM , 2, 2, 780, 779, 0
906, BEAM , 2, 2, 781, 780, 0
907, BEAM , 2, 2, 782, 781, 0
908, BEAM , 2, 2, 783, 782, 0
909, BEAM , 2, 1, 779, 784, 0
910, BEAM , 2, 3, 780, 785, 0
911, BEAM , 2, 1, 781, 786, 0
912, BEAM , 2, 3, 782, 787, 0
913, BEAM , 2, 1, 783, 788, 0
914, BEAM , 2, 2, 785, 784, 0
915, BEAM , 2, 2, 786, 785, 0
916, BEAM , 2, 2, 787, 786, 0
917, BEAM , 2, 2, 788, 787, 0
918, BEAM , 2, 1, 784, 789, 0
919, BEAM , 2, 3, 785, 790, 0
920, BEAM , 2, 1, 786, 791, 0
921, BEAM , 2, 3, 787, 792, 0
922, BEAM , 2, 1, 788, 793, 0
923, BEAM , 2, 2, 790, 789, 0
924, BEAM , 2, 2, 791, 790, 0
925, BEAM , 2, 2, 792, 791, 0
926, BEAM , 2, 2, 793, 792, 0
927, BEAM , 2, 1, 789, 794, 0
928, BEAM , 2, 3, 790, 795, 0
929, BEAM , 2, 1, 791, 796, 0
930, BEAM , 2, 3, 792, 797, 0
931, BEAM , 2, 1, 793, 798, 0
932, BEAM , 2, 2, 795, 794, 0
933, BEAM , 2, 2, 796, 795, 0
934, BEAM , 2, 2, 797, 796, 0
935, BEAM , 2, 2, 798, 797, 0
936, BEAM , 2, 1, 794, 799, 0
937, BEAM , 2, 3, 795, 800, 0
938, BEAM , 2, 1, 796, 801, 0
939, BEAM , 2, 3, 797, 802, 0
940, BEAM , 2, 1, 798, 803, 0
941, BEAM , 2, 2, 800, 799, 0
942, BEAM , 2, 2, 801, 800, 0
943, BEAM , 2, 2, 802, 801, 0
944, BEAM , 2, 2, 803, 802, 0
945, BEAM , 2, 1, 799, 806, 0
946, BEAM , 2, 3, 800, 809, 0
947, BEAM , 2, 1, 801, 819, 0
948, BEAM , 2, 3, 802, 826, 0
949, BEAM , 2, 1, 803, 829, 0
950, BEAM , 2, 2, 809, 806, 0
951, BEAM , 1, 6, 811, 810, 0
952, BEAM , 1, 6, 812, 811, 0
953, BEAM , 1, 6, 813, 812, 0
954, BEAM , 2, 2, 819, 809, 0
955, BEAM , 1, 5, 817, 816, 0
956, BEAM , 1, 4, 818, 817, 0
957, BEAM , 2, 2, 826, 819, 0
958, BEAM , 1, 6, 823, 822, 0
959, BEAM , 1, 6, 824, 823, 0
960, BEAM , 1, 6, 825, 824, 0
961, BEAM , 2, 2, 829, 826, 0
962, BEAM , 2, 1, 806, 832, 0
963, BEAM , 2, 3, 809, 833, 0
964, BEAM , 2, 1, 819, 834, 0
965, BEAM , 2, 3, 826, 835, 0

966, BEAM , 2, 1, 829, 836, 0
967, BEAM , 2, 2, 833, 832, 0
968, BEAM , 2, 2, 834, 833, 0
969, BEAM , 2, 2, 835, 834, 0
970, BEAM , 2, 2, 836, 835, 0
971, BEAM , 2, 1, 832, 837, 0
972, BEAM , 2, 3, 833, 838, 0
973, BEAM , 2, 1, 834, 839, 0
974, BEAM , 2, 3, 835, 840, 0
975, BEAM , 2, 1, 836, 841, 0
976, BEAM , 2, 2, 838, 837, 0
977, BEAM , 2, 2, 839, 838, 0
978, BEAM , 2, 2, 840, 839, 0
979, BEAM , 2, 2, 841, 840, 0
980, BEAM , 2, 1, 837, 842, 0
981, BEAM , 2, 3, 838, 843, 0
982, BEAM , 2, 1, 839, 844, 0
983, BEAM , 2, 3, 840, 845, 0
984, BEAM , 2, 1, 841, 846, 0
985, BEAM , 2, 2, 843, 842, 0
986, BEAM , 2, 2, 844, 843, 0
987, BEAM , 2, 2, 845, 844, 0
988, BEAM , 2, 2, 846, 845, 0
989, BEAM , 2, 1, 842, 847, 0
990, BEAM , 2, 3, 843, 848, 0
991, BEAM , 2, 1, 844, 849, 0
992, BEAM , 2, 3, 845, 850, 0
993, BEAM , 2, 1, 846, 851, 0
994, BEAM , 2, 2, 848, 847, 0
995, BEAM , 2, 2, 849, 848, 0
996, BEAM , 2, 2, 850, 849, 0
997, BEAM , 2, 2, 851, 850, 0
998, BEAM , 2, 1, 847, 852, 0
999, BEAM , 2, 3, 848, 853, 0
1000, BEAM , 2, 1, 849, 854, 0
1001, BEAM , 2, 3, 850, 855, 0
1002, BEAM , 2, 1, 851, 856, 0
1003, BEAM , 2, 2, 853, 852, 0
1004, BEAM , 2, 2, 854, 853, 0
1005, BEAM , 2, 2, 855, 854, 0
1006, BEAM , 2, 2, 856, 855, 0
1007, BEAM , 2, 1, 852, 857, 0
1008, BEAM , 2, 3, 853, 858, 0
1009, BEAM , 2, 1, 854, 859, 0
1010, BEAM , 2, 3, 855, 860, 0
1011, BEAM , 2, 1, 856, 861, 0
1012, BEAM , 2, 2, 858, 857, 0
1013, BEAM , 2, 2, 859, 858, 0
1014, BEAM , 2, 2, 860, 859, 0
1015, BEAM , 2, 2, 861, 860, 0
1016, BEAM , 2, 1, 857, 862, 0
1017, BEAM , 2, 3, 858, 863, 0
1018, BEAM , 2, 1, 859, 864, 0
1019, BEAM , 2, 3, 860, 865, 0
1020, BEAM , 2, 1, 861, 866, 0
1021, BEAM , 2, 2, 863, 862, 0
1022, BEAM , 2, 2, 864, 863, 0
1023, BEAM , 2, 2, 865, 864, 0
1024, BEAM , 2, 2, 866, 865, 0
1025, BEAM , 2, 1, 862, 869, 0
1026, BEAM , 2, 1, 864, 874, 0
1027, BEAM , 2, 1, 866, 879, 0
1028, BEAM , 2, 3, 863, 883, 0
1029, BEAM , 2, 3, 865, 885, 0
1030, BEAM , 2, 1, 869, 882, 0
1031, BEAM , 2, 1, 874, 884, 0
1032, BEAM , 2, 1, 879, 886, 0
1033, BEAM , 2, 2, 883, 882, 0
1034, BEAM , 2, 2, 884, 883, 0
1035, BEAM , 2, 2, 885, 884, 0
1036, BEAM , 2, 2, 886, 885, 0
*GROUP ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
받침부1 , 1to5 38 41 51 58 61 101to743by214 104to746by214 114to756by214 ₩
121to763by214 124to766by214 164to806by214 167to809by214 177to819by214 ₩
184to826by214 187to829by214 241to245 455to459 471to475 669to673 685to689 ₩
882to886, 1to4 40 44 47 51 120to870by250 124to874by250 127to877by250 ₩
131to881by250 200to950by250 204to954by250 207to957by250 211to961by250 ₩
283to286 533to536 545to548 783to786 795to798 1033to1036, 0
경간 , 241to245 257to261 455to459 471to475 669to673 685to689, 283to286 ₩
295to298 533to536 545to548 783to786 795to798, 0
받침부2 , 1 3 5 38 51to882by277 61 101to743by214 114 124to766by214 ₩
164to806by214 177 187to829by214 241 243 245 391 455 457 459 471 473 475 ₩
542 669 671 673 685 687 689 756 819 884 886, 5to7 10to12 299to301 ₩
304to306 549to551 554to556 799to801 804to806, 0
받침부3 , 8 13to869by214 18to874by214 38 50to692by214 51 61to703by214 ₩
101to743by214 113to755by214 114to756by214 124to766by214 164to806by214 ₩
176to818by214 177to819by214 187to829by214 233 238 269 270 447 452 483 ₩
484 661 666 697 698 879, , 0
코핑부 , 50 113to755by214 176to818by214 252 466 680, , 0
받침부4 , 6to20 36to40 46 47 50to53 59to63 99to103 109to751by214 ₩
110to752by214 113to116 122to126 162to166 172to814by214 173to815by214 ₩
176to179 185to189 225to240 262to277 313to317 327to330 336to340 376to380 ₩
390to393 399to403 439to454 476to491 527to531 541to544 550to554 590to594 ₩
604to607 613to617 653to668 690to705 741to745 755to758 764to768 804to808 ₩
818to821 827to831 867to881, , 0
받침링크 , 6to336by110 7 9to12 14to17 19 20to476by152 36to225by63 ₩
37to490by151 39to60by7 40to454by138 47 52 59to440by127 62

63to705by214 ₩
100to742by214 102to765by221 103to745by214 109 110 115to337by74 122 ₩
123to744by207 125 126to768by214 163to805by214 165to807by214 ₩
166to808by214 173to815by214 179to821by214 185to827by214 228to231 ₩
234to237 239to881by214 240 262 265to268 271to274 276 329to551by74 376 ₩
386 392 400 402 439 442to445 448to451 479to482 485to488 527 530 538 543 ₩
550 553 590 600 606 614 616 617 653 654 656to659 662to665 668 690 691 ₩
693to696 699to702 704 741 751 752 757 758 764 767 804 814 820 828 830 ₩
831 867 868 870to873 875to878 880, , 0
RI 1 , 6to10 36to40 99to103 162to166 225to229 262to266 313to317 ₩
376to380 439to443 476to480 527to531 590to594 653to657 690to694 741to745 ₩
804to808 867to871, , 0
RI 2 , 16to20 59to63 122to126 185to189 236to240 273to277 336to340 ₩
399to403 450to454 487to491 550to554 613to617 664to668 701to705 764to768 ₩
827to831 877to881, , 0
RI 3 , 11to15 46 47 50to53 109to751by214 110to752by214 113to116 ₩
172to814by214 173to815by214 176to179 230to235 267to272 327to330 390to393 ₩
444to449 481to486 541to544 604to607 658to663 695to700 755to758 818to821 ₩
872to876, , 0
*MATERIAL ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1] ; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2] ; SRC
; [DATA1] : 1, DB, NAME, CODE
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS ; Orthotropic
; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
1, CONC , C21 , 0, 0, , C, YES, 0.05, 1, KSCE-LSD12(RC), , C21
2, STEEL, SM490 , 0, 0, , C, YES, 0.05, 1, KSCE-LSD12(S), , SM490
*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
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*SECTION ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, 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, SHAPE, ELAST, DEN, POIS, POIC, SF ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, 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 ; 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, 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, S H A P E
; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, S H A P E
; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2 ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, S H A P E
; 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, S H A P E
; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]
; 4th line
; [SIZE-A] ; 5th line
; [SIZE-B] ; 6th line
; [SIZE-C] ; 7th line
; [SIZE-D] ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : 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
; [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
1, COMPOSITE , STB , CB, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
1, 0, 0, 0, 3, 4
1, 1, 0, 0.2, 0.01, 0, 0, 0, 0, 0, 0
0
0
3, 0.55, 0, YES, 0.55, 0, YES, 0.55, 0, YES
4, 0.44, 0, YES, 0.44, 0, YES, 0.44, 0, YES, 0.44, 0, YES
17.5, 3, 6.45, 6.45, 0.3, 0.01, 7.68337, 3.13991, 0.3, 0.18, NO, ,
2, DBUSER , 크로스(횡) , CB, 0, 0, 0, 0, 1, 1.2, YES, H , 2, 1.2, 0.3, 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
3, DBUSER , 크로스(종) , CB, 0, 0, 0, 0, 1, 1.3, YES, H , 2, 0.8, 0.3, 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
4, DBUSER , COP1 , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 16, 0, 0, 0, 0, 0, 0, 0, 0
5, TAPERED , COP2 , CC, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER
2, 16, 0, 0, 0, 0, 0, 0, 2, 7.2, 0, 0, 0, 0, 0, 0
6, DBUSER , PIER , CC, 0, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2, 0, 0, 0, 0, 0, 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
*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2]
; 1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st line - VALUE
; AREA, ASy, ASz, 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, SHAPE, ELAST, DEN, POIS, POIC, SF ; 1st line - SRC
; D1, D2, [SRC] ; 2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, 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 ; 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, 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, S H A P E
; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, S H A P E
; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2 ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, S H A P E
; 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, S H A P E
; 1st line - PSC
; OPT1, OPT2, [JOINT] ; 2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd line
; bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] ; 4th line
; [SIZE-A] ; 5th line
; [SIZE-B] ; 6th line
; [SIZE-C] ; 7th line
; [SIZE-D] ; 8th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : 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
; [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
1, COMPOSITE , STB , CB, 0, 0, 0, 0, 0, 0, YES, B
1.8, 0.012, 2.2, 0.1, 0.016, 2.2, 0.1, 0.016
1, 0, 0, 0, 3, 4
1, 1, 0, 0.2, 0.01, 0, 0, 0, 0, 0, 0
0
0
3, 0.55, 0, YES, 0.55, 0, YES, 0.55, 0, YES
4, 0.44, 0, YES, 0.44, 0, YES, 0.44, 0, YES, 0.44, 0, YES
17.5, 3, 6.45, 6.45, 0.3, 0.01, 7.68337, 3.13991, 0.3, 0.18, NO, ,
2, DBUSER , 크로스(횡) , CB, 0, 0, 0, 0, 1, 1.2, YES, H , 2, 1.2, 0.3, 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
3, DBUSER , 크로스(종) , CB, 0, 0, 0, 0, 1, 1.3, YES, H , 2, 0.8, 0.3, 0.016, 0.016, 0.3, 0.016, 0.001, 0.001, 0, 0
4, DBUSER , COP1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 16, 0, 0, 0, 0, 0, 0, 0, 0
5, TAPERED , COP2 , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USER

```
        2, 16, 0, 0, 0, 0, 0, 0,   2, 7.2, 0, 0, 0, 0, 0, 0
    6, DBUSER     , PIER                    , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
*STLDCASE     ; Static Load Cases
; LCNAME, LCTYPE, DESC
    고정하중, USER,
*CONSTRAINT     ; Supports
;   NODE_LIST,   CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
    6 9 11 14 16 19 42 54 105to747by214 117to759by214 168to810by214 , 111111,
    180to822by214 246 253 460 467 674 681 867 870 872 875 877 880, 111111,
*ELASTICLINK
; 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,  (UN)SYM,  NUM,  DIST1,  FORCE1  ...  DIST10, FORCE10, DIR, bSHEAR, DRENDI, GROUP ; MULTI LINEAR
      1,     20,     19, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      2,     63,     62, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      3,    126,    125, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
      4,    189,    188, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      5,    240,    239, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      6,    277,    276, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      7,    340,    339, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
      8,    403,    402, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
      9,    454,    453, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     10,    491,    490, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     11,    554,    553, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     12,    617,    616, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     13,    668,    667, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     14,    705,    704, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     15,    768,    767, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     16,    831,    830, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     17,    881,    880, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     18,     17,     16, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     19,     60,     59, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     20,    123,    122, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     21,    186,    185, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     22,    237,    236, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     23,    274,    273, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     24,    337,    336, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     25,    400,    399, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     26,    451,    450, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     27,    488,    487, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     28,    551,    550, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     29,    614,    613, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     30,    665,    664, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     31,    702,    701, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     32,    765,    764, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     33,    828,    827, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     34,    878,    877, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     35,     15,     14, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     36,     53,     52, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     37,    116,    115, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     38,    179,    178, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     39,    235,    234, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     40,    272,    271, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     41,    330,    329, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     42,    393,    392, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     43,    449,    448, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     44,    486,    485, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     45,    544,    543, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     46,    607,    606, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     47,    663,    662, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     48,    700,    699, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     49,    758,    757, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     50,    821,    820, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     51,    876,    875, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     52,     12,     11, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     53,     47,     46, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     54,    110,    109, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     55,    173,    172, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     56,    231,    230, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     57,    268,    267, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     58,    324,    323, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     59,    387,    386, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     60,    445,    444, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     61,    482,    481, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     62,    538,    537, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     63,    601,    600, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     64,    659,    658, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     65,    696,    695, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     66,    752,    751, GEN    ,      0, 100000, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     67,    815,    814, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     68,    873,    872, GEN    ,      0, 100000, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     69,     10,      9, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     70,     40,     39, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     71,    103,    102, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     72,    166,    165, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     73,    229,    228, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     74,    266,    265, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     75,    317,    316, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     76,    380,    379, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     77,    443,    442, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     78,    480,    479, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     79,    531,    530, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     80,    594,    593, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     81,    657,    656, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     82,    694,    693, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     83,    745,    744, GEN    ,      0, 100000, 100000, 0, 0, 0, NO, 0.5, 0.5,
     84,    808,    807, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     85,    871,    870, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     86,      7,      6, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     87,     37,     36, GEN    ,      0, 100000,      0, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
     88,    100,     99, GEN    ,      0, 100000,
```

0, 100000, 0, 0, 0, NO, 0.5, 0.5,
89, 163, 162, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
90, 226, 225, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
91, 263, 262, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
92, 314, 313, GEN , 0, 100000, 0, 100000, 0, 0, 0, NO, 0.5, 0.5,
93, 377, 376, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
94, 440, 439, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
95, 477, 476, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
96, 528, 527, GEN , 0, 100000, 0, 100000, 0, 0, 0, NO, 0.5, 0.5,
97, 591, 590, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
98, 654, 653, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
99, 691, 690, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
100, 742, 741, GEN , 0, 100000, 0, 100000, 0, 0, 0, NO, 0.5, 0.5,
101, 805, 804, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
102, 868, 867, GEN , 0, 100000, 0, 0, 0, 0, 0, NO, 0.5, 0.5,
103, 10, 8, RIGID, 0, NO, 0.5, 0.5,
104, 40, 38, RIGID, 0, NO, 0.5, 0.5,
105, 103, 101, RIGID, 0, NO, 0.5, 0.5,
106, 166, 164, RIGID, 0, NO, 0.5, 0.5,
107, 229, 227, RIGID, 0, NO, 0.5, 0.5,
108, 266, 264, RIGID, 0, NO, 0.5, 0.5,
109, 317, 315, RIGID, 0, NO, 0.5, 0.5,
110, 380, 378, RIGID, 0, NO, 0.5, 0.5,
111, 443, 441, RIGID, 0, NO, 0.5, 0.5,
112, 480, 478, RIGID, 0, NO, 0.5, 0.5,
113, 531, 529, RIGID, 0, NO, 0.5, 0.5,
114, 594, 592, RIGID, 0, NO, 0.5, 0.5,
115, 657, 655, RIGID, 0, NO, 0.5, 0.5,
116, 694, 692, RIGID, 0, NO, 0.5, 0.5,
117, 745, 743, RIGID, 0, NO, 0.5, 0.5,
118, 808, 806, RIGID, 0, NO, 0.5, 0.5,
119, 871, 869, RIGID, 0, NO, 0.5, 0.5,
120, 8, 7, RIGID, 0, NO, 0.5, 0.5,
121, 38, 37, RIGID, 0, NO, 0.5, 0.5,
122, 101, 100, RIGID, 0, NO, 0.5, 0.5,
123, 164, 163, RIGID, 0, NO, 0.5, 0.5,
124, 227, 226, RIGID, 0, NO, 0.5, 0.5,
125, 264, 263, RIGID, 0, NO, 0.5, 0.5,
126, 315, 314, RIGID, 0, NO, 0.5, 0.5,
127, 378, 377, RIGID, 0, NO, 0.5, 0.5,
128, 441, 440, RIGID, 0, NO, 0.5, 0.5,
129, 478, 477, RIGID, 0, NO, 0.5, 0.5,
130, 529, 528, RIGID, 0, NO, 0.5, 0.5,
131, 592, 591, RIGID, 0, NO, 0.5, 0.5,
132, 655, 654, RIGID, 0, NO, 0.5, 0.5,
133, 692, 691, RIGID, 0, NO, 0.5, 0.5,
134, 743, 742, RIGID, 0, NO, 0.5, 0.5,
135, 806, 805, RIGID, 0, NO, 0.5, 0.5,
136, 869, 868, RIGID, 0, NO, 0.5, 0.5,
137, 20, 18, RIGID, 0, NO, 0.5, 0.5,
138, 63, 61, RIGID, 0, NO, 0.5, 0.5,
139, 126, 124, RIGID, 0, NO, 0.5, 0.5,
140, 189, 187, RIGID, 0, NO, 0.5, 0.5,
141, 240, 238, RIGID, 0, NO, 0.5, 0.5,
142, 277, 275, RIGID, 0, NO, 0.5, 0.5,
143, 340, 338, RIGID, 0, NO, 0.5, 0.5,
144, 403, 401, RIGID, 0, NO, 0.5, 0.5,
145, 454, 452, RIGID, 0, NO, 0.5, 0.5,
146, 491, 489, RIGID, 0, NO, 0.5, 0.5,
147, 554, 552, RIGID, 0, NO, 0.5, 0.5,
148, 617, 615, RIGID, 0, NO, 0.5, 0.5,
149, 668, 666, RIGID, 0, NO, 0.5, 0.5,
150, 705, 703, RIGID, 0, NO, 0.5, 0.5,
151, 768, 766, RIGID, 0, NO, 0.5, 0.5,
152, 831, 829, RIGID, 0, NO, 0.5, 0.5,
153, 881, 879, RIGID, 0, NO, 0.5, 0.5,
154, 18, 17, RIGID, 0, NO, 0.5, 0.5,
155, 61, 60, RIGID, 0, NO, 0.5, 0.5,
156, 124, 123, RIGID, 0, NO, 0.5, 0.5,
157, 187, 186, RIGID, 0, NO, 0.5, 0.5,
158, 238, 237, RIGID, 0, NO, 0.5, 0.5,
159, 275, 274, RIGID, 0, NO, 0.5, 0.5,
160, 338, 337, RIGID, 0, NO, 0.5, 0.5,
161, 401, 400, RIGID, 0, NO, 0.5, 0.5,
162, 452, 451, RIGID, 0, NO, 0.5, 0.5,
163, 489, 488, RIGID, 0, NO, 0.5, 0.5,
164, 552, 551, RIGID, 0, NO, 0.5, 0.5,
165, 615, 614, RIGID, 0, NO, 0.5, 0.5,
166, 666, 665, RIGID, 0, NO, 0.5, 0.5,
167, 703, 702, RIGID, 0, NO, 0.5, 0.5,
168, 766, 765, RIGID, 0, NO, 0.5, 0.5,
169, 829, 828, RIGID, 0, NO, 0.5, 0.5,
170, 879, 878, RIGID, 0, NO, 0.5, 0.5,
171, 15, 13, RIGID, 0, NO, 0.5, 0.5,
172, 53, 51, RIGID, 0, NO, 0.5, 0.5,
173, 116, 114, RIGID, 0, NO, 0.5, 0.5,
174, 179, 177, RIGID, 0, NO, 0.5, 0.5,
175, 235, 233, RIGID, 0, NO, 0.5, 0.5,
176, 272, 270, RIGID, 0, NO, 0.5, 0.5,
177, 330, 328, RIGID, 0, NO, 0.5, 0.5,
178, 393, 391, RIGID, 0, NO, 0.5, 0.5,
179, 449, 447, RIGID, 0, NO, 0.5, 0.5,
180, 486, 484, RIGID, 0, NO, 0.5, 0.5,
181, 544, 542, RIGID, 0, NO, 0.5, 0.5,
182, 607, 605, RIGID, 0, NO, 0.5, 0.5,
183, 663, 661, RIGID, 0, NO, 0.5, 0.5,
184, 700, 698, RIGID, 0, NO, 0.5, 0.5,
185, 758, 756, RIGID, 0, NO, 0.5, 0.5,
186, 821, 819, RIGID, 0, NO, 0.5, 0.5,
187, 876, 874, RIGID, 0, NO, 0.5, 0.5,
188, 13, 12, RIGID, 0, NO, 0.5, 0.5,
189, 51, 47, RIGID, 0, NO, 0.5, 0.5,
190, 114, 110, RIGID, 0, NO, 0.5,

0.5,
191, 177, 173, RIGID, 0, NO, 0.5,
0.5,
192, 233, 231, RIGID, 0, NO, 0.5,
0.5,
193, 270, 268, RIGID, 0, NO, 0.5,
0.5,
194, 328, 324, RIGID, 0, NO, 0.5,
0.5,
195, 391, 387, RIGID, 0, NO, 0.5,
0.5,
196, 447, 445, RIGID, 0, NO, 0.5,
0.5,
197, 484, 482, RIGID, 0, NO, 0.5,
0.5,
198, 542, 538, RIGID, 0, NO, 0.5,
0.5,
199, 605, 601, RIGID, 0, NO, 0.5,
0.5,
200, 661, 659, RIGID, 0, NO, 0.5,
0.5,
201, 698, 696, RIGID, 0, NO, 0.5,
0.5,
202, 756, 752, RIGID, 0, NO, 0.5,
0.5,
203, 819, 815, RIGID, 0, NO, 0.5,
0.5,
204, 874, 873, RIGID, 0, NO, 0.5,
0.5,
205, 232, 252, RIGID, 0, NO, 0.5,
0.5,
206, 62, 59, RIGID, 0, NO, 0.5,
0.5,
207, 125, 122, RIGID, 0, NO, 0.5,
0.5,
208, 188, 185, RIGID, 0, NO, 0.5,
0.5,
209, 239, 236, RIGID, 0, NO, 0.5,
0.5,
210, 276, 273, RIGID, 0, NO, 0.5,
0.5,
211, 339, 336, RIGID, 0, NO, 0.5,
0.5,
212, 402, 399, RIGID, 0, NO, 0.5,
0.5,
213, 453, 450, RIGID, 0, NO, 0.5,
0.5,
214, 490, 487, RIGID, 0, NO, 0.5,
0.5,
215, 553, 550, RIGID, 0, NO, 0.5,
0.5,
216, 616, 613, RIGID, 0, NO, 0.5,
0.5,
217, 667, 664, RIGID, 0, NO, 0.5,
0.5,
218, 704, 701, RIGID, 0, NO, 0.5,
0.5,
219, 767, 764, RIGID, 0, NO, 0.5,
0.5,
220, 830, 827, RIGID, 0, NO, 0.5,
0.5,
221, 57, 48, RIGID, 0, NO, 0.5,
0.5,
222, 252, 269, RIGID, 0, NO, 0.5,
0.5,
223, 59, 52, RIGID, 0, NO, 0.5,
0.5,
224, 122, 115, RIGID, 0, NO, 0.5,
0.5,
225, 185, 178, RIGID, 0, NO, 0.5,
0.5,
226, 236, 234, RIGID, 0, NO, 0.5,
0.5,
227, 273, 271, RIGID, 0, NO, 0.5,
0.5,
228, 336, 329, RIGID, 0, NO, 0.5,
0.5,
229, 399, 392, RIGID, 0, NO, 0.5,
0.5,
230, 450, 448, RIGID, 0, NO, 0.5,
0.5,
231, 487, 485, RIGID, 0, NO, 0.5,
0.5,
232, 550, 543, RIGID, 0, NO, 0.5,
0.5,
233, 613, 606, RIGID, 0, NO, 0.5,
0.5,
234, 664, 662, RIGID, 0, NO, 0.5,
0.5,
235, 701, 699, RIGID, 0, NO, 0.5,
0.5,
236, 764, 757, RIGID, 0, NO, 0.5,
0.5,
237, 827, 820, RIGID, 0, NO, 0.5,
0.5,
238, 48, 45, RIGID, 0, NO, 0.5,
0.5,
239, 446, 466, RIGID, 0, NO, 0.5,
0.5,
240, 52, 50, RIGID, 0, NO, 0.5,
0.5,
241, 115, 113, RIGID, 0, NO, 0.5,
0.5,
242, 178, 176, RIGID, 0, NO, 0.5,
0.5,
243, 234, 232, RIGID, 0, NO, 0.5,
0.5,
244, 271, 269, RIGID, 0, NO, 0.5,
0.5,
245, 329, 327, RIGID, 0, NO, 0.5,
0.5,
246, 392, 390, RIGID, 0, NO, 0.5,
0.5,
247, 448, 446, RIGID, 0, NO, 0.5,
0.5,
248, 485, 483, RIGID, 0, NO, 0.5,
0.5,
249, 543, 541, RIGID, 0, NO, 0.5,
0.5,
250, 606, 604, RIGID, 0, NO, 0.5,
0.5,
251, 662, 660, RIGID, 0, NO, 0.5,
0.5,
252, 699, 697, RIGID, 0, NO, 0.5,
0.5,
253, 757, 755, RIGID, 0, NO, 0.5,
0.5,
254, 820, 818, RIGID, 0, NO, 0.5,
0.5,
255, 120, 111, RIGID, 0, NO, 0.5,
0.5,
256, 466, 483, RIGID, 0, NO, 0.5,
0.5,
257, 50, 46, RIGID, 0, NO, 0.5,
0.5,
258, 113, 109, RIGID, 0, NO, 0.5,
0.5,
259, 176, 172, RIGID, 0, NO, 0.5,
0.5,
260, 232, 230, RIGID, 0, NO, 0.5,
0.5,
261, 269, 267, RIGID, 0, NO, 0.5,
0.5,
262, 327, 323, RIGID, 0, NO, 0.5,
0.5,
263, 390, 386, RIGID, 0, NO, 0.5,
0.5,
264, 446, 444, RIGID, 0, NO, 0.5,
0.5,
265, 483, 481, RIGID, 0, NO, 0.5,
0.5,
266, 541, 537, RIGID, 0, NO, 0.5,
0.5,
267, 604, 600, RIGID, 0, NO, 0.5,
0.5,
268, 660, 658, RIGID, 0, NO, 0.5,
0.5,
269, 697, 695, RIGID, 0, NO, 0.5,
0.5,
270, 755, 751, RIGID, 0, NO, 0.5,
0.5,
271, 818, 814, RIGID, 0, NO, 0.5,
0.5,
272, 111, 108, RIGID, 0, NO, 0.5,
0.5,
273, 660, 680, RIGID, 0, NO, 0.5,
0.5,
274, 46, 39, RIGID, 0, NO, 0.5,
0.5,
275, 109, 102, RIGID, 0, NO, 0.5,
0.5,
276, 172, 165, RIGID, 0, NO, 0.5,
0.5,
277, 230, 228, RIGID, 0, NO, 0.5,
0.5,
278, 267, 265, RIGID, 0, NO, 0.5,
0.5,
279, 323, 316, RIGID, 0, NO, 0.5,
0.5,
280, 386, 379, RIGID, 0, NO, 0.5,
0.5,
281, 444, 442, RIGID, 0, NO, 0.5,
0.5,
282, 481, 479, RIGID, 0, NO, 0.5,
0.5,
283, 537, 530, RIGID, 0, NO, 0.5,
0.5,
284, 600, 593, RIGID, 0, NO, 0.5,
0.5,
285, 658, 656, RIGID, 0, NO, 0.5,
0.5,
286, 695, 693, RIGID, 0, NO, 0.5,
0.5,
287, 751, 744, RIGID, 0, NO, 0.5,
0.5,
288, 814, 807, RIGID, 0, NO, 0.5,
0.5,
289, 183, 174, RIGID, 0, NO, 0.5,
0.5,
290, 680, 697, RIGID, 0, NO, 0.5,
0.5,
291, 39, 36, RIGID, 0, NO, 0.5,
0.5,
292, 102, 99, RIGID, 0, NO, 0.5,

0.5,
293, 165, 162, RIGID, 0, NO, 0.5,
0.5,
294, 228, 225, RIGID, 0, NO, 0.5,
0.5,
295, 265, 262, RIGID, 0, NO, 0.5,
0.5,
296, 316, 313, RIGID, 0, NO, 0.5,
0.5,
297, 379, 376, RIGID, 0, NO, 0.5,
0.5,
298, 442, 439, RIGID, 0, NO, 0.5,
0.5,
299, 479, 476, RIGID, 0, NO, 0.5,
0.5,
300, 530, 527, RIGID, 0, NO, 0.5,
0.5,
301, 593, 590, RIGID, 0, NO, 0.5,
0.5,
302, 656, 653, RIGID, 0, NO, 0.5,
0.5,
303, 693, 690, RIGID, 0, NO, 0.5,
0.5,
304, 744, 741, RIGID, 0, NO, 0.5,
0.5,
305, 807, 804, RIGID, 0, NO, 0.5,
0.5,
306, 174, 171, RIGID, 0, NO, 0.5,
0.5,
307, 256, 250, RIGID, 0, NO, 0.5,
0.5,
308, 250, 249, RIGID, 0, NO, 0.5,
0.5,
309, 334, 325, RIGID, 0, NO, 0.5,
0.5,
310, 325, 322, RIGID, 0, NO, 0.5,
0.5,
311, 397, 388, RIGID, 0, NO, 0.5,
0.5,
312, 388, 385, RIGID, 0, NO, 0.5,
0.5,
313, 470, 464, RIGID, 0, NO, 0.5,
0.5,
314, 464, 463, RIGID, 0, NO, 0.5,
0.5,
315, 548, 539, RIGID, 0, NO, 0.5,
0.5,
316, 539, 536, RIGID, 0, NO, 0.5,
0.5,
317, 611, 602, RIGID, 0, NO, 0.5,
0.5,
318, 602, 599, RIGID, 0, NO, 0.5,
0.5,
319, 684, 678, RIGID, 0, NO, 0.5,
0.5,
320, 678, 677, RIGID, 0, NO, 0.5,
0.5,
321, 762, 753, RIGID, 0, NO, 0.5,
0.5,
322, 753, 750, RIGID, 0, NO, 0.5,
0.5,
323, 825, 816, RIGID, 0, NO, 0.5,
0.5,
324, 816, 813, RIGID, 0, NO, 0.5,
0.5,
*USE-STLD, 고정하중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [고정하중]
---
*SFUNCTION ; Spectrum Function
; FUNC=NAME, iTYPE, iMETHOD, SCALE/MAX, GRAV, DRATIO, DESC, RMF ; line 1
; SPEC_CODE, [CODE_DATA] ; line 2
; PERIOD1, VALUE1, PERIOD2, VALUE2, ... ; from line 3
;[CODE_DATA] : NSC, SFI, SC, EQ, TG ; CH2001
;[CODE_DATA] : SFI, SC, EQ, TG ; CHSH2003
;[CODE_DATA] : DIV, SC, SFI, EQ, TG, G ; GB50111_2006
;[CODE_DATA] : BT, ZM, ST, SI, SC, TG, CI, CS, CD, EPA, SMAX, PERIOD ; JTG/T B02-01-2008
FUNC=KS-Bridge, 1, 0, 1, 9.806, 0.05, KS-Bridge : Soil = 1.20 Area = 0.110 I = 1.400 R = 1.000, 1.000000
KS_BRG
0.000000, 0.385, 0.100000, 0.385
0.200000, 0.385, 0.300000, 0.385
0.400000, 0.385, 0.437153, 0.385
0.500000, 0.35202205728, 0.600000, 0.3117327131
0.700000, 0.28128798775, 0.800000, 0.25732968494
0.900000, 0.23789658437, 1.000000, 0.22176
1.100000, 0.20810767128, 1.200000, 0.19637930358
1.300000, 0.18617483519, 1.400000, 0.17720032843
1.500000, 0.16923455362, 1.600000, 0.16210754341
1.700000, 0.15568637214, 1.800000, 0.14986545717
1.900000, 0.14455978012, 2.000000, 0.13970004601
2.100000, 0.13522915982, 2.200000, 0.13109961784
2.300000, 0.12727154677, 2.400000, 0.12371120918
2.500000, 0.12038985013, 2.600000, 0.11728279691
2.700000, 0.11436874886, 2.800000, 0.11162921192
2.900000, 0.10904804424, 3.000000, 0.10661108824
3.100000, 0.10430587013, 3.200000, 0.10212135314
3.300000, 0.10004773316, 3.400000, 0.098076268722
3.500000, 0.096199138629, 3.600000, 0.094409322071
3.700000, 0.092700497213, 3.800000, 0.091066954968
3.900000, 0.089503525352, 4.000000, 0.088005514321
4.100000, 0.084484702539, 4.200000, 0.08181334844
4.300000, 0.079286384484, 4.400000, 0.076892914002
4.500000, 0.074623085679, 4.600000, 0.072467972808
4.700000, 0.070419468744, 4.800000, 0.068470196111
4.900000, 0.066613427703, 5.000000, 0.064843017363
5.100000, 0.063153339425, 5.200000, 0.061539235506
5.300000, 0.05999596763, 5.400000, 0.058519176842
5.500000, 0.057104846562, 5.600000, 0.055749270082
5.700000, 0.054449021654, 5.800000, 0.053200930731
5.900000, 0.052002058968, 6.000000, 0.050849679633
6.100000, 0.049741259164, 6.200000, 0.048674440592
6.300000, 0.047647028634, 6.400000, 0.046656976256
6.500000, 0.045702372536, 6.600000, 0.044781431699
6.700000, 0.043892483175, 6.800000, 0.043033962591
6.900000, 0.042204403576, 7.000000, 0.041402430319
7.100000, 0.040626750779, 7.200000, 0.039876150493
7.300000, 0.039149486926, 7.400000, 0.038445684293
7.500000, 0.037763728828, 7.600000, 0.03710266444
7.700000, 0.036461588724, 7.800000, 0.035839649302
7.900000, 0.035236040451, 8.000000, 0.03465
8.100000, 0.034080806468, 8.200000, 0.033527776421
8.300000, 0.032990262037, 8.400000, 0.032467648845
8.500000, 0.031959353636, 8.600000, 0.031464822534
8.700000, 0.030983529195, 8.800000, 0.030514973144
8.900000, 0.030058678228, 9.000000, 0.029614191177
9.100000, 0.029181080266, 9.200000, 0.028758934067
9.300000, 0.028347360289, 9.400000, 0.027945984691
9.500000, 0.027554450074, 9.600000, 0.027172415334
9.700000, 0.026799554579, 9.800000, 0.026435556303
9.900000, 0.02608012261, 10.000000, 0.025732968494
*SPLDCASE ; Spectrum Load Cases
; TYPE, bADDSIGN, iSIGNTYPE
; NAME=NAME, DIR, ANGLE, SCALE, PMFT, bDAMP, bECC, INTERP, DESC, ; line 1
; COMTYPE, bADDSIGN, iSIGNTYPE, bMODE ; line 2
; FUNC1, FUNC2, FUNC3, ... ; line 3
; bUSE1, dFACTOR1, bUSE2, dFACTOR2, ..., bUSEn, dFACTORn ; line 4 (bMODE=YES)

```
;                         bCDR,    [DR-DC]
                              ;     line     5
(bDAMP=YES)
; [DR-DC] : iMDTYPE, DALL, iMODE1,
DAMPING1, iMODE2, DAMPING2, ...       ;
iMDTYPE=1
;             : iMDTYPE, iCOEF, bMASSP,
MASSC, bSTIFFP, STIFFC                ;
iMDTYPE=2, iCOEF=1
;              : iMDTYPE, iCOEF, iCALC,
bMASSP, FP1, DR1, bSTIFFP, FP2, DR2 ;
iMDTYPE=2, iCOEF=2
   NAME=X-dir, XY, 0, 1, 1, NO, NO, LOG,
        SRSS, NO, 0, YES
        KS-Bridge
        YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1
   NAME=Y-dir, XY, 90, 1, 1, NO, NO, LOG,
        SRSS, NO, 0, YES
        KS-Bridge
        YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1,YES, 1,YES, 1,YES,
1,YES, 1,YES, 1,YES, 1
*MVLDCODE    ; Moving Load Code
; CODE=CODE
   CODE=NONE
*LOADCOMB    ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE,
DESC, iSERV-TYPE, nLCOMTYPE   ; line 1
;           ANAL1, LCNAME1, FACT1, ...
                          ; from line 2
   NAME=최대반력, GEN, ACTIVE, 0, 0, , 0,
0
        ST, 고정하중, 1
   NAME=X, GEN, ACTIVE, 0, 0, , 0, 0
        RS, X-dir, 1
   NAME=Y, GEN, ACTIVE, 0, 0, , 0, 0
        RS, Y-dir, 1
   NAME=COM1, GEN, ACTIVE, 0, 0, , 0, 0
        RS, X-dir, 1, RS, Y-dir, 0.3
   NAME=COM2, GEN, ACTIVE, 0, 0, , 0, 0
        RS, X-dir, 0.3, RS, Y-dir, 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, 고정하중, 255, 0, 128, 93, 255, 87,
192, 0, 128
 RS, X-dir, 210, 210, 210, 160, 192, 255,
163, 255, 160
 RS, Y-dir, 160, 192, 255, 160, 192, 255,
192, 72, 0
 CB, 최대반력, 146, 0, 255, 78, 0, 255, 255,
255, 255
 CB, X, 192, 128, 0, 0, 192, 192, 255, 160,
255
 CB, Y, 255, 0, 192, 0, 128, 192, 212, 160,
255
 CB, COM1, 255, 192, 87, 255, 192, 160, 0,
192, 128
 CB, COM2, 255, 255, 255, 0, 128, 128,
160, 255, 255
*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)
   RITZ, NO, 0
   GROUND, ACCX, 25, GROUND, ACCY, 25
*DGN-MATL      ; Modify Steel(Concrete)
Material
;    iMAT,    TYPE,    MNAME,    [DATA1]
                      ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA],
FCI, bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2],
[R-DATA]                ; SRC
;    iMAT,    TYPE,    MNAME,    [DATA5]
                      ;    STEEL(None)    &
KSCE-ASD05
; [DATA1] : 1, DB, CODE, NAME or 2,
ELAST, POISN, FU, FY1, FY2, FY3, FY4
;          FY5, FY6, AFT, AFT2, AFT3, FY,
AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC,
CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2,
ELAST, FU, FY1, FY2, FY3, FY4
;              FY5, FY6, AFT, AFT2, AFT3,
FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2,
AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
;              MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB,
FY(R), FYS
    1, CONC , C21                 , 1,
KSCE-LSD12(RC),                    ,C21
, NO, 1, , , , 0, 0, 14700, NO, 0, 0
    2, STEEL, SM490               , 1,
KSCE-LSD12(S),              ,SM490
*SECTION MANAGER-GROUP & PART      ;
Section Manager - Group & Part
;      SECT      =      NO,      bSAMEJ
                                   ; line
1
;      GRPDISIZE, GRPDJSIZE, PARTISIZE,
PARTJSIZE                          ;
line 2
;
.................................................................
.......... ;
;               LOOP UTIL (GRPDISIZE,
GRPDJSIZE)
       ;
;                  GROUPID, GROUPNAME,
GROUPTYPE
           ; line n
;
.................................................................
.......... ;
;       LOOP UTIL (PARTISIZE, PARTJSIZE)
                                   ;
;         PARTTYPE, GROUPID, PARTNAME,
PARTSHAPE,                  bSTIFFENER
  ; line n
;              LINESIZE, LINEINDEX[i]......
                               ; line n
;
.................................................................
.......... ;
   SECT=1, YES
 0, 0, 0, 0
   SECT=5, YES
 0, 0, 0, 0
*SECTION MANAGER-STIFFENER          ;
Section Manager - Stiffener
;      SECT      =      NO,      bSAMEJ
                                   ; line
1
;                  STFNISIZE, STFNJSIZE
                                 ; line 2
;
.................................................................
.......... ;
;        LOOP UTIL (STFNISIZE, STFNJSIZE)
                                   ;
;           TYPE, Z, STANDREF, POSLINE,
STANDREFL,          NUM,          CTC
  ; line n
;             STIFFTYPE, dSIZE(0 ~ 20)
                                 ; line n
;              LINESIZE, LINEINDEX[i]......
                               ; line n
;
.................................................................
.......... ;
   SECT=1, YES
 0, 0
   SECT=5, YES
 0, 0
*ENDDATA
```