断面力データ

Case. 1・スナ定死・スラ重

case.								
部材	節点	着目		Y軸方向の	Z軸方向の	X軸周りの	Y軸周りの	Z軸周りの
No	No	位置	軸方向力	せん断力	せん断力	モーメント	曲げモーメント	曲げモーメント
		(m)	(kN)	(kN)	(kN)	$(kN \cdot m)$	(kN • m)	$(kN \cdot m)$
1	1	0.000	0.00	0.00	327.49	34.74	46.74	0.00
1	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	9	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2 2 2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	9	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
	$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58		0.00
	$\overset{2}{2}$	0. 900		0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
	2		0.00					
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	Δ	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2 2 2 2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
		0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	Z	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2 2 2 2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	Z	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2 2 2 2 2 2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00

部材 節点	着目	***	Y軸方向の	Z軸方向の	X軸周りの	Y軸周りの	Z軸周りの
No No	位置 (m)	軸方向力 (kN)	せん断力 (kN)	せん断力 (kN)	モーメント (kN・m)	曲げモーメント (kN・m)	曲げモーメント (kN・m)
2	0. 900 0. 900	0.00	0.00	289. 36	36. 58 36. 58	324. 32	0.00
2 2	0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58	324. 32 324. 32	0. 00 0. 00
$\frac{1}{2}$	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0. 900 0. 900	0. 00 0. 00	0.00 0.00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
2	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0.00 0.00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\frac{1}{2}$	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58 36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0.00 0.00	289. 36 289. 36	36. 58	324. 32 324. 32	0. 00 0. 00
$\frac{1}{2}$	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0.00 0.00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
2	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0.00 0.00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2 2 2 2 2 2	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
$\frac{2}{2}$	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
$\frac{2}{2}$	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2 2 2	0. 900	0.00	0.00	289. 36	36. 58	324. 32 324. 32	0.00
	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2 2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
$\overset{2}{2}$	0. 900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
2 2 2	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
$\frac{2}{2}$	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00
	0. 900 0. 900	0. 00 0. 00	0. 00 0. 00	289. 36 289. 36	36. 58 36. 58	324. 32 324. 32	0. 00 0. 00
2 2 2	0.900	0.00	0.00	289.36	36. 58	324. 32	0.00
2	0.900	0.00	0.00	289. 36	36. 58	324. 32	0.00

Y軸方向のせん断力

Z軸方向の

せん断力

X軸周りの

モーメント

Y軸周りの

曲げモーメント

Z軸周りの

曲げモーメント

着目位置

軸方向力

部材 節点

No

No

Case.	1	•	オ定死	•	スラ重
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Case.	1・スナ定タ	死・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
7	7	0.000 1.000 1.000 1.000	0.00 0.00 0.00 0.00	0. 00 0. 00 0. 00 0. 00	69. 49 27. 12 27. 12 27. 12	-0. 40 1. 65 1. 65 1. 65	1173. 14 1221. 45 1221. 45 1221. 45	0. 00 0. 00 0. 00 0. 00
		1. 000 1. 000 1. 000 1. 000	0. 00 0. 00 0. 00 0. 00	0. 00 0. 00 0. 00 0. 00	27. 12 27. 12 27. 12 27. 12 27. 12	1. 65 1. 65 1. 65 1. 65	1221. 45 1221. 45 1221. 45 1221. 45	0. 00 0. 00 0. 00 0. 00
		1. 000 1. 000 1. 000 1. 000	0.00 0.00 0.00 0.00	0. 00 0. 00 0. 00 0. 00	27. 12 27. 12 27. 12 27. 12	1. 65 1. 65 1. 65 1. 65	1221. 45 1221. 45 1221. 45 1221. 45	0.00 0.00 0.00 0.00
		1. 000 1. 000 1. 000 1. 000	0. 00 0. 00 0. 00 0. 00	0. 00 0. 00 0. 00 0. 00	27. 12 27. 12 27. 12 27. 12	1. 65 1. 65 1. 65 1. 65	1221. 45 1221. 45 1221. 45 1221. 45	0. 00 0. 00 0. 00 0. 00
	8	1. 000 1. 000 1. 000 1. 000 1. 000	0. 00 0. 00 0. 00 0. 00 0. 00	0. 00 0. 00 0. 00 0. 00 0. 00	27. 12 27. 12 27. 12 27. 12 27. 12	1. 65 1. 65 1. 65 1. 65 1. 65	1221. 45 1221. 45 1221. 45 1221. 45 1221. 45	0. 00 0. 00 0. 00 0. 00 0. 00
8	8	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	21. 18 0. 00 -21. 19	-1. 02 0. 00 1. 03	1221. 51 1226. 81 1221. 51	0. 00 0. 00 0. 00
9	9	0.000	0. 00	0.00	-27. 12	-1. 65	1221. 44	0. 00
	10	1.000	0. 00	0.00	-69. 49	0. 40	1173. 14	0. 00
10	10	0.000	0. 00	0.00	-75. 58	-2. 29	1172. 94	0. 00
	11	1.000	0. 00	0.00	-117. 95	-0. 24	1076. 17	0. 00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0.00 0.00 0.00	-118. 33 -160. 15 -160. 70	-36. 32 -34. 30 -34. 27	1046. 94 909. 50 907. 42	0.00 0.00 0.00
12	12	0.000	0. 00	0. 00	-166. 62	-36. 72	906. 91	0. 00
	13	1.000	0. 00	0. 00	-208. 99	-34. 67	719. 11	0. 00
13	13	0.000	0. 00	0.00	-214. 54	-36. 86	718. 50	0. 00
	14	1.000	0. 00	0.00	-256. 91	-34. 81	482. 77	0. 00
14	14	0. 000	0. 00	0. 00	-261. 03	-36. 32	481. 77	0. 00
	15	0. 575	0. 00	0. 00	-285. 40	-35. 14	324. 67	0. 00
15	15	0. 000	0. 00	0. 00	-289. 36	-36. 58	324. 32	0. 00
	16	0. 900	0. 00	0. 00	-327. 49	-34. 74	46. 74	0. 00
16	17	0.000	0. 00	0. 00	1. 86	0. 01	-0. 28	0. 00
	18	0.900	0. 00	0. 00	-1. 86	-0. 01	-0. 28	0. 00
17	18	0. 000	0. 00	0. 00	1. 19	0. 01	-0. 11	0. 00
	19	0. 575	0. 00	0. 00	-1. 19	-0. 01	-0. 11	0. 00
18	19	0.000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	20	1.000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
19	20	0.000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	21	1.000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
20	21	0.000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	22	1.000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
21	22	0. 000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	23	1. 000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
22	23	0. 000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	24	1. 000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
23	24	0. 000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	25	1. 000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
24	25	0.000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	26	1.000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00

25 26 0.000 0.00 0.00 2.07 0.01 -0.24

断面力	データ							
Case.	1・スナ定タ	で・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
26	27	0.000	0.00	0. 00	2. 07	0. 01	-0. 34	0. 00
	28	1.000	0.00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
27	28	0. 000	0. 00	0. 00	2. 07	0. 01	-0. 34	0.00
	29	1. 000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0.00
28	29	0.000	0. 00	0. 00	2. 07	0. 01	-0. 34	0. 00
	30	1.000	0. 00	0. 00	-2. 07	-0. 01	-0. 34	0. 00
29	30 31	0. 000 0. 575	0.00 0.00	0. 00 0. 00	1. 19 -1. 19	0. 01 -0. 01	-0.11 -0.11	0. 00 0. 00
30	31	0.000	0. 00	0.00	1. 86	0. 01	-0. 28	0. 00
	32	0.900	0. 00	0.00	-1. 86	-0. 01	-0. 28	0. 00
31	33	0. 000	0.00	0.00	2. 07	0. 01	-0.31	0.00
	34	0. 900	0.00	0.00	-2. 07	-0. 01	-0.31	0.00
32	34	0. 000	0. 00	0. 00	1. 32	0. 01	-0. 13	0.00
	35	0. 575	0. 00	0. 00	-1. 32	-0. 01	-0. 13	0.00
33	35	0. 000	0. 00	0. 00	2. 29	0. 01	-0.38	0. 00
	36	1. 000	0. 00	0. 00	-2. 29	-0. 01	-0.38	0. 00
34	36	0.000	0.00	0.00	2. 29	0. 01	-0. 38	0. 00
	37	1.000	0.00	0.00	-2. 29	-0. 01	-0. 38	0. 00
35	37	0.000	0. 00	0.00	2. 29	0. 01	-0. 38	0.00
	38	1.000	0. 00	0.00	-2. 29	-0. 01	-0. 38	0.00
36	38	0. 000	0.00	0. 00	2. 29	0. 01	-0. 38	0. 00
	39	1. 000	0.00	0. 00	-2. 29	-0. 01	-0. 38	0. 00
37	39 40	0.000 1.000	0.00 0.00	0.00 0.00	2. 29 -2. 29	$ \begin{array}{c} 0.01 \\ -0.01 \end{array} $	-0.38 -0.38	0. 00 0. 00
38	40 41	0.000 1.000	0. 00 0. 00	0.00 0.00	2. 29 -2. 29	$ \begin{array}{c} 0.01 \\ -0.01 \end{array} $	-0.38 -0.38	0.00 0.00
39	41	0. 000	0.00	0. 00	2. 29	0. 01	-0. 38	0. 00
	42	1. 000	0.00	0. 00	-2. 29	-0. 01	-0. 38	0. 00
40	42	0.000	0.00	0.00	2. 29	0. 01	-0. 38	0. 00
	43	1.000	0.00	0.00	-2. 29	-0. 01	-0. 38	0. 00
41	43	0. 000	0.00	0.00	2. 29	0. 01	-0. 38	0. 00
	44	1. 000	0.00	0.00	-2. 29	-0. 01	-0. 38	0. 00
42	44	0.000	0.00	0. 00	2. 29	0. 01	-0.38	0. 00
	45	1.000	0.00	0. 00	-2. 29	-0. 01	-0.38	0. 00
43	45 46	0.000 1.000	0.00 0.00	0.00 0.00	2. 29 -2. 29	$ \begin{array}{c} 0.01 \\ -0.01 \end{array} $	-0.38 -0.38	0.00 0.00
44	46	0. 000	0.00	0.00	1. 32	0. 01	-0. 13	0.00
	47	0. 575	0.00	0.00	-1. 32	-0. 01	-0. 13	0.00
45	47	0. 000	0. 00	0. 00	2. 07	0. 01	-0.31	0. 00
	48	0. 900	0. 00	0. 00	-2. 07	-0. 01	-0.31	0. 00
46	49	0. 000	0.00	0. 00	2. 01	-0. 02	-0.30	0.00
	50	0. 900	0.00	0. 00	-2. 01	0. 02	-0.30	0.00
47	50	0. 000	0.00	0.00	1. 29	-0. 01	-0. 12	0.00
	51	0. 575	0.00	0.00	-1. 29	0. 01	-0. 12	0.00
48	51	0. 000	0. 00	0. 00	2. 24	-0. 02	-0. 37	0. 00
	52	1. 000	0. 00	0. 00	-2. 24	0. 02	-0. 37	0. 00
49	52	0.000	0. 00	0. 00	2. 24	-0. 02	-0. 37	0.00
	53	1.000	0. 00	0. 00	-2. 24	0. 02	-0. 37	0.00
50	53	0. 000	0. 00	0. 00	2. 23	-0. 02	-0. 37	0.00
	54	1. 000	0. 00	0. 00	-2. 23	0. 02	-0. 37	0.00
51	54	0. 000	0. 00	0. 00	2. 24	-0. 02	-0. 37	0.00
	55	1. 000	0. 00	0. 00	-2. 24	0. 02	-0. 37	0.00
52	55	0.000	0.00	0.00	9 94	-0.02	-0.37	0.00

52

0.000

0.00

0.00

-0. 02

2. 24

-0.37

断面力]データ							
Case.	1・スナ定タ	E・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
55	58	0. 000	0.00	0.00	2. 24	-0. 02	-0. 37	0.00
	59	1. 000	0.00	0.00	-2. 24	0. 02	-0. 37	0.00
56	59	0. 000	0. 00	0.00	2. 24	-0. 02	-0. 37	0.00
	60	1. 000	0. 00	0.00	-2. 24	0. 02	-0. 37	0.00
57	60	0. 000	0. 00	0.00	2. 24	-0. 02	-0.37	0.00
	61	1. 000	0. 00	0.00	-2. 24	0. 02	-0.37	0.00
58	61	0. 000	0.00	0.00	2. 24	-0. 02	-0. 37	0.00
	62	1. 000	0.00	0.00	-2. 24	0. 02	-0. 37	0.00
59	62	0. 000	0. 00	0. 00	1. 29	-0. 01	-0. 12	0. 00
	63	0. 575	0. 00	0. 00	-1. 29	0. 01	-0. 12	0. 00
60	63	0. 000	0.00	0.00	2. 01	-0. 02	-0.30	0.00
	64	0. 900	0.00	0.00	-2. 01	0. 02	-0.30	0.00
61	65	0. 000	0. 00	0.00	514. 05	102. 19	-45. 85	0.00
	66	0. 900	0. 00	0.00	460. 59	74. 29	392. 74	0.00
62	66	0. 000	0.00	0.00	454. 82	77. 37	391. 86	0.00
	67	0. 575	0.00	0.00	420. 66	59. 55	643. 56	0.00
63	67	0. 000	0.00	0.00	414. 39	63. 02	643. 30	0.00
	68	1. 000	0.00	0.00	354. 99	32. 02	1027. 98	0.00
64	68	0. 000	0.00	0.00	347. 34	36. 08	1027. 37	0.00
	69	1. 000	0.00	0.00	287. 94	5. 08	1345. 02	0.00
65	69	0. 000 0. 013	0.00 0.00	0.00 0.00	280. 66 279. 88	8. 71 8. 31	1344. 51 1348. 15	0.00 0.00
66	70	1. 000	0. 00	0. 00	221. 26	-22. 29	1595. 47	0. 00
	70	0. 000	0. 00	0. 00	162. 87	70. 18	1566. 23	0. 00
00	71	1. 000	0.00	0.00	103. 47	39. 18	1699. 40	0.00
67	71	0. 000	0. 00	0.00	96. 36	42. 70	1699. 21	0. 00
	72	1. 000	0. 00	0.00	36. 96	11. 70	1765. 87	0. 00
68	72 73	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	29. 70 0. 00 -29. 70	15. 50 0. 00 -15. 50	1765. 80 1773. 23 1765. 80	0. 00 0. 00 0. 00
69	73	0. 000	0.00	0.00	-36. 96	-11. 70	1765. 87	0.00
	74	1. 000	0.00	0.00	-96. 36	-42. 70	1699. 21	0.00
70	74	0. 000	0. 00	0.00	-103. 47	-39. 18	1699. 40	0.00
	75	1. 000	0. 00	0.00	-162. 87	-70. 18	1566. 23	0.00
71	75 76	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-221. 26 -279. 88 -280. 66	22. 29 -8. 31 -8. 71	1595. 47 1348. 15 1344. 51	0. 00 0. 00 0. 00
72	76	0. 000	0.00	0.00	-287. 94	-5. 08	1345. 02	0.00
	77	1. 000	0.00	0.00	-347. 34	-36. 08	1027. 37	0.00
73	77	0. 000	0.00	0.00	-354. 99	-32. 02	1027. 98	0.00
	78	1. 000	0.00	0.00	-414. 39	-63. 02	643. 30	0.00
74	78	0. 000	0.00	0.00	-420.66	-59. 55	643. 56	0.00
	79	0. 575	0.00	0.00	-454.82	-77. 37	391. 86	0.00
75	79	0.000	0.00	0.00	-460. 59	-74. 29	392. 74	0.00
	80	0.900	0.00	0.00	-514. 05	-102. 19	-45. 85	0.00
76	1	0. 000	0. 00	0. 00	-31. 64	-46. 74	33. 64	0.00
	17	0. 475	0. 00	0. 00	-34. 75	-46. 74	18. 12	0.00
77	17	0.000	0.00	0.00	-36. 61	-46. 46	18. 13	0.00
	33	0.500	0.00	0.00	-60. 58	-46. 46	-6. 14	0.00
78	33	0. 000	0. 00	0. 00	-62. 65	-46. 15	-6. 13	0.00
	49	0. 500	0. 00	0. 00	-86. 62	-46. 15	-43. 48	0.00
79	49	0. 000	0. 00	0. 00	-88. 63	-45. 85	-43. 50	0.00
	65	0. 475	0. 00	0. 00	-91. 74	-45. 85	-86. 59	0.00
90	0	0.000	0.00	0.00	2 06	0.25	1 11	0.00

80

2

0.000

0.00

0.00

3.96

-0.35

-1.44

断面力	データ							
Case.	1・スナ定タ	死・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
83	50	0. 000	0. 00	0. 00	-5. 77	-0. 88	-0. 34	0. 00
	66	0. 475	0. 00	0. 00	-5. 77	-0. 88	-3. 08	0. 00
84	3	0. 000	0. 00	0. 00	4. 12	-1.00	-1. 51	0. 00
	19	0. 475	0. 00	0. 00	4. 12	-1.00	0. 45	0. 00
85	19	0.000	0. 00	0. 00	0. 86	-0. 77	0. 46	0. 00
	35	0.500	0. 00	0. 00	0. 86	-0. 77	0. 89	0. 00
86	35	0. 000	0. 00	0. 00	-2. 75	-0. 51	0. 91	0. 00
	51	0. 500	0. 00	0. 00	-2. 75	-0. 51	-0. 47	0. 00
87	51	0. 000	0. 00	0. 00	-6. 27	-0. 26	-0. 50	0. 00
	67	0. 475	0. 00	0. 00	-6. 27	-0. 26	-3. 48	0. 00
88	4	0. 000	0. 00	0. 00	5. 56	-0. 61	-2. 19	0. 00
	20	0. 475	0. 00	0. 00	5. 56	-0. 61	0. 45	0. 00
89	20	0.000	0. 00	0. 00	1. 42	-0. 61	0. 47	0. 00
	36	0.500	0. 00	0. 00	1. 42	-0. 61	1. 18	0. 00
90	36	0. 000	0. 00	0. 00	-3. 17	-0. 61	1. 20	0. 00
	52	0. 500	0. 00	0. 00	-3. 17	-0. 61	-0. 39	0. 00
91	52	0. 000	0. 00	0. 00	-7. 64	-0. 61	-0. 43	0. 00
	68	0. 475	0. 00	0. 00	-7. 64	-0. 61	-4. 06	0. 00
92	5	0. 000	0. 00	0. 00	5. 91	-0. 51	-2. 46	0. 00
	21	0. 475	0. 00	0. 00	5. 91	-0. 51	0. 35	0. 00
93	21	0. 000	0. 00	0. 00	1. 77	-0. 51	0. 37	0. 00
	37	0. 500	0. 00	0. 00	1. 77	-0. 51	1. 26	0. 00
94	37	0. 000	0. 00	0. 00	-2. 82	-0. 51	1. 28	0. 00
	53	0. 500	0. 00	0. 00	-2. 82	-0. 51	-0. 13	0. 00
95	53	0. 000	0. 00	0. 00	-7. 29	-0. 51	-0. 17	0. 00
	69	0. 475	0. 00	0. 00	-7. 29	-0. 51	-3. 63	0. 00
96	6	0. 000	0. 00	0. 00	0. 38	-29. 24	-36. 08	0. 00
	22	0. 475	0. 00	0. 00	-0. 72	-29. 24	-35. 91	0. 00
97	22	0. 000	0. 00	0. 00	-4. 86	-29. 24	-35. 89	0. 00
	38	0. 500	0. 00	0. 00	-26. 54	-29. 24	-43. 68	0. 00
98	38	0. 000	0. 00	0. 00	-31. 13	-29. 24	-43. 66	0. 00
	54	0. 500	0. 00	0. 00	-52. 81	-29. 24	-64. 71	0. 00
99	54	0. 000	0. 00	0. 00	-57. 28	-29. 24	-64. 75	0. 00
	70	0. 475	0. 00	0. 00	-58. 38	-29. 24	-92. 47	0. 00
100	7	0. 000	0. 00	0. 00	6. 09	-0. 20	-2. 69	0. 00
	23	0. 475	0. 00	0. 00	6. 09	-0. 20	0. 21	0. 00
101	23	0. 000	0. 00	0. 00	1. 95	-0. 20	0. 23	0. 00
	39	0. 500	0. 00	0. 00	1. 95	-0. 20	1. 20	0. 00
102	39	0. 000	0. 00	0. 00	-2. 64	-0. 20	1. 22	0. 00
	55	0. 500	0. 00	0. 00	-2. 64	-0. 20	-0. 10	0. 00
103	55	0. 000	0. 00	0. 00	-7. 11	-0. 20	-0. 14	0. 00
	71	0. 475	0. 00	0. 00	-7. 11	-0. 20	-3. 51	0. 00
104	8	0. 000	0. 00	0. 00	5. 94	-0. 07	-2. 68	0. 00
	24	0. 475	0. 00	0. 00	5. 94	-0. 07	0. 14	0. 00
105	24	0.000	0. 00	0. 00	1. 80	-0. 07	0. 16	0. 00
	40	0.500	0. 00	0. 00	1. 80	-0. 07	1. 06	0. 00
106	40	0.000	0. 00	0. 00	-2. 79	-0. 07	1. 08	0. 00
	56	0.500	0. 00	0. 00	-2. 79	-0. 07	-0. 31	0. 00
107	56	0. 000	0. 00	0. 00	-7. 26	-0. 07	-0. 35	0. 00
	72	0. 475	0. 00	0. 00	-7. 26	-0. 07	-3. 80	0. 00
108	9	0. 000	0. 00	0. 00	5. 94	0. 07	-2. 68	0. 00
	25	0. 475	0. 00	0. 00	5. 94	0. 07	0. 14	0. 00
100	25	0 000	0.00	0 00	1 00	0.07	0.16	0.00

0.00

0.000

109

25

0.00

1.80

0.07

0.00

0.000

0.00

0.00

_9 49

0.70

0.02

0 00

Case.	 1・スナ定る 	死・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
112	10 26	0.000 0.475	0. 00 0. 00	0.00 0.00	6. 09 6. 09	0. 20 0. 20	-2. 69 0. 21	0. 00 0. 00
113	26 42	0.000 0.500	0.00 0.00	0. 00 0. 00	1. 95 1. 95	0. 20 0. 20	0. 23 1. 20	0. 00 0. 00
114	42 58	0.000 0.500	0.00 0.00	0.00 0.00	-2. 64 -2. 64	0. 20 0. 20	1. 22 -0. 10	0. 00 0. 00
115	58 74	0.000 0.475	0.00 0.00	0.00 0.00	-7. 11 -7. 11	0. 20 0. 20	-0. 14 -3. 51	0. 00 0. 00
116	11 27	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 38 -0. 72	29. 24 29. 24	-36. 08 -35. 91	0. 00 0. 00
117	27 43	0.000 0.500	0.00 0.00	0.00 0.00	-4. 86 -26. 54	29. 24 29. 24	-35. 89 -43. 68	0. 00 0. 00
118	43 59	0.000 0.500	0.00 0.00	0.00 0.00	-31. 13 -52. 81	29. 24 29. 24	-43. 66 -64. 71	0. 00 0. 00
119	59 75	0. 000 0. 475	0.00 0.00	0.00 0.00	-57. 28 -58. 38	29. 24 29. 24	-64. 75 -92. 47	0. 00 0. 00
120	12 28	0. 000 0. 475	0.00 0.00	0.00 0.00	5. 91 5. 91	0. 51 0. 51	-2. 46 0. 35	0. 00 0. 00
121	28 44	0.000 0.500	0.00 0.00	0.00 0.00	1. 77 1. 77	0. 51 0. 51	0. 37 1. 26	0. 00 0. 00
122	44 60	0.000 0.500	0.00 0.00	0. 00 0. 00	-2. 82 -2. 82	0. 51 0. 51	1. 28 -0. 13	0. 00 0. 00
123	60 76	0. 000 0. 475	0.00 0.00	0.00 0.00	-7. 29 -7. 29	0. 51 0. 51	-0. 17 -3. 63	0. 00 0. 00
124	13 29	0. 000 0. 475	0.00 0.00	0.00 0.00	5. 56 5. 56	0. 61 0. 61	-2. 19 0. 45	0. 00 0. 00
125	29 45	0.000 0.500	0.00 0.00	0.00 0.00	1. 42 1. 42	0. 61 0. 61	0. 47 1. 18	0. 00 0. 00
126	45 61	0.000 0.500	0.00 0.00	0.00 0.00	-3. 17 -3. 17	0. 61 0. 61	1. 20 -0. 39	0. 00 0. 00
127	61 77	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-7. 64 -7. 64	0. 61 0. 61	-0. 43 -4. 06	0. 00 0. 00
128	14 30	0. 000 0. 475	0. 00 0. 00	0.00 0.00	4. 12 4. 12	1.00 1.00	-1. 51 0. 45	0. 00 0. 00
129	32 46	0. 000 0. 475 0. 475	0. 00 0. 00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.86 -91.74 -91.74 -91.74 -91.74 -91.74 -91.74 -91.74 -91.74 -91.74 -91.74 -91.686	0. 77 45. 85 45. 85 45. 85 45. 85 45. 85 45. 85 45. 85 45. 85 45. 85 46. 74 0. 77	0. 46 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59 -86. 59	0. 00 0. 00
130	46 62	0.000 0.500	0. 00 0. 00	0. 00 0. 00	-2. 75 -2. 75	0. 51 0. 51	0. 91 -0. 47	0.00 0.00
131	62 78	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-6. 27 -6. 27	0. 26 0. 26	-0. 50 -3. 48	0.00 0.00
132	15 31	0.000 0.475	0.00 0.00	0.00 0.00	3. 96 3. 96	0. 35 0. 35	-1.44 0.44	0.00 0.00
133	31 47	0.000 0.500	0.00 0.00	0.00 0.00	0. 91 0. 91	0. 52 0. 52	0. 46 0. 91	0.00 0.00
101			0.00		2 42			

Case. 2 • スt • ス • ス • ス • ス • ス • スラ重

Case.	2 • At • 7	ス・ス・ス・ス	• スラ重					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0. 000 0. 900	0.00 0.00	0.00 0.00	80. 04 69. 80	-13. 93 -8. 77	-2. 79 64. 63	0.00 0.00
2	2 3	0. 000 0. 575	0. 00 0. 00	0.00 0.00	68. 80 62. 25	-9. 28 -5. 99	64. 54 102. 21	0.00 0.00
3	3 4	0. 000 1. 000	0.00 0.00	0.00 0.00	61. 22 49. 84	-6. 54 -0. 81	102. 26 157. 79	0. 00 0. 00
4	4 5	0.000 1.000	0. 00 0. 00	0.00 0.00	48. 51 37. 13	-1. 49 4. 24	157. 77 200. 59	0.00 0.00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	35. 77 35. 62 24. 39	3. 57 3. 65 9. 30	200. 57 201. 03 230. 65	0. 00 0. 00 0. 00
6	6 7	0. 000 1. 000	0.00 0.00	0.00 0.00	31. 07 19. 69	-12. 97 -7. 24	229. 35 254. 74	0.00 0.00
7	7 8	0. 000 1. 000	0.00 0.00	0. 00 0. 00	18. 35 6. 97	-7. 91 -2. 18	254. 72 267. 38	0. 00 0. 00
8	8 9	0. 000 0. 500 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	5. 69 0. 00 -5. 69	-2. 86 0. 00 2. 87	267. 38 268. 80 267. 38	0. 00 0. 00 0. 00
9	9 10	0. 000 1. 000	0.00 0.00	0.00 0.00	-6. 97 -18. 35	2. 18 7. 91	267. 38 254. 72	0.00 0.00
10	10 11	0.000 1.000	0.00 0.00	0.00 0.00	-19. 69 -31. 07	7. 24 12. 97	254. 74 229. 35	0.00 0.00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-24. 39 -35. 62 -35. 77	-9. 30 -3. 65 -3. 57	230. 65 201. 03 200. 57	0. 00 0. 00 0. 00
12	12 13	0. 000 1. 000	0. 00 0. 00	0.00 0.00	-37. 13 -48. 51	-4. 24 1. 49	200. 59 157. 77	0.00 0.00
13	13 14	0.000 1.000	0. 00 0. 00	0.00 0.00	-49. 84 -61. 22	0. 81 6. 54	157. 79 102. 26	0.00 0.00
14	14 15	0. 000 0. 575	0. 00 0. 00	0.00 0.00	-62. 25 -68. 80	5. 99 9. 28	102. 21 64. 54	0.00 0.00
15	15 16	0. 000 0. 900	0.00 0.00	0.00 0.00	-69. 80 -80. 04	8. 77 13. 93	64. 63 -2. 79	0.00 0.00
16	17 18	0. 000 0. 900	0. 00 0. 00	0.00 0.00	$ \begin{array}{c} 0.44 \\ -0.44 \end{array} $	0.00 0.00	-0. 07 -0. 07	0.00 0.00
17	18 19	0. 000 0. 575	0.00 0.00	0. 00 0. 00	0. 28 -0. 28	0. 00 0. 00	-0. 03 -0. 03	0. 00 0. 00
18	19 20	0.000 1.000	0. 00 0. 00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0. 00 0. 00
19	20 21	0.000 1.000	0. 00 0. 00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0.00 0.00
20	21 22	0.000 1.000	0.00 0.00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0.00 0.00
21	22 23	0.000 1.000	0.00 0.00	0.00 0.00	$ \begin{array}{c} 0.49 \\ -0.49 \end{array} $	0.00 0.00	-0. 08 -0. 08	0.00 0.00
22	23 24	0.000 1.000	0.00 0.00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0.00 0.00
23	24 25	0.000 1.000	0.00 0.00	0.00 0.00	$ \begin{array}{c} 0.49 \\ -0.49 \end{array} $	0.00 0.00	-0. 08 -0. 08	0.00 0.00
24	25 26	0.000 1.000	0.00 0.00	0. 00 0. 00	$ \begin{array}{c} 0.49 \\ -0.49 \end{array} $	0.00 0.00	-0. 08 -0. 08	0.00 0.00
25	26 27	0.000 1.000	0.00 0.00	0. 00 0. 00	0. 49 -0. 49	0.00 0.00	-0. 08 -0. 08	0. 00 0. 00
26	27	0.000	0.00	0.00	0.49	0.00	-0.08	0.00

Case.	2 • 7t • 7	ス・ス・ス・ス・	• スラ重					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0. 00	0. 28	0.00	-0. 03	0.00
	31	0. 575	0.00	0. 00	-0. 28	0.00	-0. 03	0.00
30	31 32	0.000 0.900	0.00 0.00	0.00 0.00	0.44 -0.44	0.00 0.00	-0.07 -0.07	0.00 0.00
31	33	0.000	0. 00	0.00	0. 45	0.00	-0. 07	0. 00
	34	0.900	0. 00	0.00	-0. 45	0.00	-0. 07	0. 00
32	34	0.000	0.00	0. 00	0. 29	0.00	-0. 03	0. 00
	35	0.575	0.00	0. 00	-0. 29	0.00	-0. 03	0. 00
33	35	0.000	0. 00	0. 00	0. 50	0.00	-0. 08	0. 00
	36	1.000	0. 00	0. 00	-0. 50	0.00	-0. 08	0. 00
34	36	0.000	0.00	0.00	0.50	0.00	-0. 08	0.00
	37	1.000	0.00	0.00	-0.50	0.00	-0. 08	0.00
35	37	0.000	0.00	0.00	0.50	0.00	-0. 08	0.00
	38	1.000	0.00	0.00	-0.50	0.00	-0. 08	0.00
36	38	0.000	0. 00	0.00	0.50	0.00	-0. 08	0.00
	39	1.000	0. 00	0.00	-0.50	0.00	-0. 08	0.00
37	39 40	0.000 1.000	0.00 0.00	0.00 0.00	0.50 -0.50	0.00 0.00	-0. 08 -0. 08	0.00 0.00
38	40	0.000	0. 00	0.00	0.50	0.00	-0. 08	0.00
	41	1.000	0. 00	0.00	-0.50	0.00	-0. 08	0.00
39	41	0.000	0.00	0.00	0.50	0.00	-0. 08	0.00
	42	1.000	0.00	0.00	-0.50	0.00	-0. 08	0.00
40	42	0.000	0.00	0.00	0.50	0.00	-0. 08	0.00
	43	1.000	0.00	0.00	-0.50	0.00	-0. 08	0.00
41	43 44	0.000 1.000	0.00 0.00	0.00 0.00	0.50 -0.50	0.00 0.00	-0. 08 -0. 08	0.00 0.00
42	44	0.000	0. 00	0.00	0.50	0.00	-0. 08	0.00
	45	1.000	0. 00	0.00	-0.50	0.00	-0. 08	0.00
43	45	0.000	0. 00	0.00	0.50	0.00	-0.08	0.00
	46	1.000	0. 00	0.00	-0.50	0.00	-0.08	0.00
44	46	0.000	0. 00	0.00	0. 29	0.00	-0. 03	0.00
	47	0.575	0. 00	0.00	-0. 29	0.00	-0. 03	0.00
45	47 48	0.000 0.900	0. 00 0. 00	0. 00 0. 00	0.45 -0.45	0.00 0.00	-0. 07 -0. 07	0.00 0.00
46	49 50	0.000 0.900	0. 00 0. 00	0.00 0.00	$ \begin{array}{c} 0.44 \\ -0.44 \end{array} $	0.00 0.00	-0. 07 -0. 07	0.00 0.00
47	50	0.000	0.00	0. 00	0. 28	0.00	-0. 03	0. 00
	51	0.575	0.00	0. 00	-0. 28	0.00	-0. 03	0. 00
48	51	0.000	0.00	0. 00	0. 49	0. 00	-0. 08	0. 00
	52	1.000	0.00	0. 00	-0. 49	0. 00	-0. 08	0. 00
49	52	0.000	0.00	0. 00	0. 49	0.00	-0. 08	0. 00
	53	1.000	0.00	0. 00	-0. 49	0.00	-0. 08	0. 00
50	53	0.000	0.00	0. 00	0. 49	0.00	-0. 08	0. 00
	54	1.000	0.00	0. 00	-0. 49	0.00	-0. 08	0. 00
51	54	0.000	0.00	0. 00	0. 49	0.00	-0. 08	0.00
	55	1.000	0.00	0. 00	-0. 49	0.00	-0. 08	0.00
52	55	0.000	0.00	0. 00	0. 49	0.00	-0. 08	0.00
	56	1.000	0.00	0. 00	-0. 49	0.00	-0. 08	0.00
53	56	0.000	0. 00	0.00	0. 49	0.00	-0. 08	0. 00
	57	1.000	0. 00	0.00	-0. 49	0.00	-0. 08	0. 00
54	57 58	0.000 1.000	0. 00 0. 00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0.00 0.00
55	58 50	0.000	0.00	0.00	0.49	0.00	-0. 08 -0. 08	0.00

Case. 2 • スt • ス • ス • ス • ス • ス • スラ重

Case.	2 • At • 7	ス・ス・ス・ス	• スラ重					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61 62	0.000 1.000	0.00 0.00	0.00 0.00	0.49 -0.49	0.00 0.00	-0. 08 -0. 08	0.00 0.00
59	62	0. 000	0.00	0. 00	0. 28	0. 00	-0. 03	0.00
	63	0. 575	0.00	0. 00	-0. 28	0. 00	-0. 03	0.00
60	63 64	0.000 0.900	0. 00 0. 00	0. 00 0. 00	$ \begin{array}{c} 0.44 \\ -0.44 \end{array} $	0. 00 0. 00	-0. 07 -0. 07	0.00 0.00
61	65	0.000	0. 00	0. 00	98. 03	16. 48	2. 99	0. 00
	66	0.900	0. 00	0. 00	87. 78	8. 73	86. 61	0. 00
62	66	0.000	0. 00	0. 00	86. 60	9. 42	86. 58	0.00
	67	0.575	0. 00	0. 00	80. 06	4. 47	134. 50	0.00
63	67	0.000	0. 00	0. 00	78. 76	5. 27	134. 61	0. 00
	68	1.000	0. 00	0. 00	67. 38	-3. 34	207. 69	0. 00
64	68	0.000	0. 00	0. 00	65. 75	-2. 36	207. 71	0.00
	69	1.000	0. 00	0. 00	54. 37	-10. 97	267. 77	0.00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	52. 77 52. 63 41. 39	-10. 07 -10. 19 -18. 68	267. 79 268. 47 314. 87	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0. 00	31. 75	19. 51	316. 16	0. 00
	71	1. 000	0. 00	0. 00	20. 37	10. 90	342. 22	0. 00
67	71	0.000	0.00	0.00	18. 75	11. 84	342. 24	0.00
	72	1.000	0.00	0.00	7. 37	3. 23	355. 30	0.00
68	72	0.000 0.500	0. 00 0. 00	0. 00 0. 00	5. 69 0. 00	4. 31 0. 00	355. 30 356. 72	0.00 0.00
69	73	1. 000	0. 00	0. 00	-5. 69	-4. 30	355. 30	0. 00
	73	0. 000	0. 00	0. 00	-7. 37	-3. 23	355. 30	0. 00
	74	1.000	0.00	0.00	-18. 75	-11.84	342. 24	0.00
70	74	0.000	0. 00	0. 00	-20. 37	-10. 90	342. 22	0. 00
	75	1.000	0. 00	0. 00	-31. 75	-19. 51	316. 16	0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-41. 39 -52. 63 -52. 77	18. 68 10. 19 10. 07	314. 87 268. 47 267. 79	0. 00 0. 00 0. 00
72	76	0.000	0. 00	0.00	-54. 37	10. 97	267. 77	0.00
	77	1.000	0. 00	0.00	-65. 75	2. 36	207. 71	0.00
73	77	0.000	0. 00	0.00	-67. 38	3. 34	207. 69	0.00
	78	1.000	0. 00	0.00	-78. 76	-5. 27	134. 61	0.00
74	78	0. 000	0. 00	0.00	-80.06	-4. 47	134. 50	0.00
	79	0. 575	0. 00	0.00	-86.60	-9. 42	86. 58	0.00
75	79	0.000	0. 00	0. 00	-87. 78	-8. 73	86. 61	0.00
	80	0.900	0. 00	0. 00	-98. 03	-16. 48	2. 99	0.00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0.000 0.475	0. 00 0. 00	0. 00 0. 00	-0. 40 -0. 88	2. 79 2. 79	-16. 82 -17. 12	0. 00 0. 00
77	17	0.000	0.00	0. 00	-1. 32	2. 86	-17. 12	0.00
	33	0.500	0.00	0. 00	-1. 82	2. 86	-17. 91	0.00
78	33	0.000	0. 00	0. 00	-2. 27	2. 93	-17. 91	0.00
	49	0.500	0. 00	0. 00	-2. 77	2. 93	-19. 17	0.00
79	49	0. 000	0.00	0.00	-3. 21	2. 99	-19. 17	0.00
	65	0. 475	0.00	0.00	-3. 69	2. 99	-20. 81	0.00
80	2	0. 000	0. 00	0. 00	1. 00	0. 09	-0. 51	0. 00
	18	0. 475	0. 00	0. 00	1. 00	0. 09	-0. 04	0. 00
81	18	0. 000	0. 00	0. 00	0. 28	0. 06	-0. 04	0. 00
	34	0. 500	0. 00	0. 00	0. 28	0. 06	0. 10	0. 00
82	34	0. 000	0.00	0. 00	-0. 46	0. 02	0. 10	0. 00
	50	0. 500	0.00	0. 00	-0. 46	0. 02	-0. 13	0. 00
83	50	0.000	0.00	0.00	-1. 18	-0.02	-0.13	0.00

Case. 2 • スt • ス • ス • ス • ス • ス • スラ重

Case.	2 • At • 7	マ・ス・ス・ス	• スラ重					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0. 00	0.00	-0. 52	0. 06	0. 07	0. 00
	51	0. 500	0. 00	0.00	-0. 52	0. 06	-0. 19	0. 00
87	51	0. 000	0. 00	0.00	-1. 30	0. 12	-0. 19	0.00
	67	0. 475	0. 00	0.00	-1. 30	0. 12	-0. 80	0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	1. 33 1. 33	0. 03 0. 03	-0. 68 -0. 05	0. 00 0. 00
89	20	0.000	0. 00	0.00	0. 35	0. 03	-0. 05	0. 00
	36	0.500	0. 00	0.00	0. 35	0. 03	0. 13	0. 00
90	36	0.000	0. 00	0.00	-0.65	0. 03	0. 13	0. 00
	52	0.500	0. 00	0.00	-0.65	0. 03	-0. 20	0. 00
91	52	0. 000	0. 00	0.00	-1. 63	0. 03	-0. 20	0. 00
	68	0. 475	0. 00	0.00	-1. 63	0. 03	-0. 98	0. 00
92	5	0. 000	0. 00	0.00	1. 36	0. 02	-0. 67	0. 00
	21	0. 475	0. 00	0.00	1. 36	0. 02	-0. 02	0. 00
93	21	0.000	0. 00	0.00	0. 38	0. 02	-0. 02	0.00
	37	0.500	0. 00	0.00	0. 38	0. 02	0. 17	0.00
94	37	0.000	0. 00	0.00	-0. 62	0. 02	0. 17	0.00
	53	0.500	0. 00	0.00	-0. 62	0. 02	-0. 14	0.00
95	53	0.000	0. 00	0.00	-1.60	0. 02	-0. 14	0.00
	69	0.475	0. 00	0.00	-1.60	0. 02	-0. 90	0.00
96	6	0.000	0. 00	0.00	-6. 69	1. 29	-22. 27	0.00
	22	0.475	0. 00	0.00	-6. 69	1. 29	-25. 45	0.00
97	22	0.000	0. 00	0.00	-7. 67	1. 29	-25. 45	0. 00
	38	0.500	0. 00	0.00	-7. 67	1. 29	-29. 28	0. 00
98	38	0.000	0. 00	0.00	-8. 67	1. 29	-29. 28	0.00
	54	0.500	0. 00	0.00	-8. 67	1. 29	-33. 61	0.00
99	54	0. 000	0. 00	0.00	-9. 65	1. 29	-33. 61	0.00
	70	0. 475	0. 00	0.00	-9. 65	1. 29	-38. 20	0.00
100	7	0. 000	0.00	0.00	1. 34	0. 01	-0. 68	0.00
	23	0. 475	0.00	0.00	1. 34	0. 01	-0. 04	0.00
101	23	0.000	0.00	0.00	0. 36	0. 01	-0. 04	0.00
	39	0.500	0.00	0.00	0. 36	0. 01	0. 14	0.00
102	39	0.000	0.00	0.00	-0. 64	0. 01	0. 14	0.00
	55	0.500	0.00	0.00	-0. 64	0. 01	-0. 17	0.00
103	55 71	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-1. 62 -1. 62	0. 01 0. 01	-0.17 -0.94	0.00 0.00
104	8	0. 000	0.00	0.00	1. 28	0. 01	-0. 68	0.00
	24	0. 475	0.00	0.00	1. 28	0. 01	-0. 07	0.00
105	24	0. 000	0.00	0.00	0.30	0. 01	-0. 07	0.00
	40	0. 500	0.00	0.00	0.30	0. 01	0. 08	0.00
106	40	0. 000	0. 00	0.00	-0. 70	0. 01	0. 08	0.00
	56	0. 500	0. 00	0.00	-0. 70	0. 01	-0. 27	0.00
107	56 72	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-1. 68 -1. 68	0. 01 0. 01	-0.27 -1.07	0.00 0.00
108	9	0. 000	0. 00	0.00	1. 28	-0. 01	-0. 68	0.00
	25	0. 475	0. 00	0.00	1. 28	-0. 01	-0. 07	0.00
109	25	0. 000	0. 00	0. 00	0. 30	-0. 01	-0. 07	0. 00
	41	0. 500	0. 00	0. 00	0. 30	-0. 01	0. 08	0. 00
110	41	0.000	0. 00	0. 00	-0. 70	-0. 01	0. 08	0. 00
	57	0.500	0. 00	0. 00	-0. 70	-0. 01	-0. 27	0. 00
111	57 73	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-1. 68 -1. 68	-0.01 -0.01	-0. 27 -1. 07	0. 00 0. 00
112	10 26	0.000	0.00	0.00	1. 34 1. 34	-0. 01 -0. 01	-0.68 -0.04	0.00

Case. 2・スt・ス・ス・ス・ス・スラ重

Case. 2	• 7t • 7	· ス・ス・ス・	スラ重					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0.000 0.475	0.00 0.00	0.00 0.00	-1. 62 -1. 62	-0. 01 -0. 01	-0. 17 -0. 94	0.00 0.00
116	11 27	0.000 0.475	0.00 0.00	0.00 0.00	-6. 69 -6. 69	-1. 29 -1. 29	-22. 27 -25. 45	0. 00 0. 00
117	27 43	0.000 0.500	0.00 0.00	0.00 0.00	-7. 67 -7. 67	-1. 29 -1. 29	-25. 45 -29. 28	0.00 0.00
118	43 59	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-8. 67 -8. 67	-1. 29 -1. 29	-29. 28 -33. 61	0.00 0.00
119	59 75	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-9.65 -9.65	-1. 29 -1. 29	-33. 61 -38. 20	0. 00 0. 00
120	12 28	0. 000 0. 475	0.00 0.00	0.00 0.00	1. 36 1. 36	-0. 02 -0. 02	-0.67 -0.02	0. 00 0. 00
121	28 44	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 38 0. 38	-0. 02 -0. 02	-0. 02 0. 17	0. 00 0. 00
122	44 60	0.000 0.500	0.00 0.00	0. 00 0. 00	-0. 62 -0. 62	-0. 02 -0. 02	0. 17 -0. 14	0. 00 0. 00
123	60 76	0.000 0.475	0.00 0.00	0. 00 0. 00	-1.60 -1.60	-0. 02 -0. 02	-0. 14 -0. 90	0. 00 0. 00
124	13 29	0.000 0.475	0.00 0.00	0. 00 0. 00	1. 33 1. 33	-0. 03 -0. 03	-0.68 -0.05	0. 00 0. 00
125	29 45	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 35 0. 35	-0. 03 -0. 03	-0. 05 0. 13	0. 00 0. 00
126	45 61	0. 000 0. 500	0.00 0.00	0.00 0.00	-0.65 -0.65	-0. 03 -0. 03	0. 13 -0. 20	0. 00 0. 00
127	61 77	0.000 0.475	0.00 0.00	0. 00 0. 00	-1. 63 -1. 63	-0. 03 -0. 03	-0. 20 -0. 98	0. 00 0. 00
128	14 30	0. 000 0. 475	0.00 0.00	0. 00 0. 00	1. 04 1. 04	0. 05 0. 05	-0.55 -0.06	0. 00 0. 00
129	30 46	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 26 0. 26	-0. 01 -0. 01	-0. 06 0. 07	0. 00 0. 00
130	46 62	0.000 0.500	0.00 0.00	0.00 0.00	-0. 52 -0. 52	-0.06 -0.06	0. 07 -0. 19	0.00 0.00
131	62 78	0.000 0.475	0.00 0.00	0.00 0.00	-1. 30 -1. 30	-0. 12 -0. 12	-0. 19 -0. 80	0. 00 0. 00
132	15 31	0.000 0.475	0.00 0.00	0.00 0.00	1.00 1.00	-0. 09 -0. 09	-0. 51 -0. 04	0.00 0.00
133	31 47	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 28 0. 28	-0. 06 -0. 06	-0. 04 0. 10	0.00 0.00
134	47 63	0.000 0.500	0.00 0.00	0.00 0.00	-0. 46 -0. 46	-0. 02 -0. 02	0. 10 -0. 13	0. 00 0. 00
135	63 79	0.000 0.475	0.00 0.00	0. 00 0. 00	-1. 18 -1. 18	0. 02 0. 02	-0. 13 -0. 69	0. 00 0. 00
136	16 32	0.000 0.475	0.00 0.00	0. 00 0. 00	-0. 40 -0. 88	-2. 79 -2. 79	-16. 82 -17. 12	0. 00 0. 00
137	32 48	0.000 0.500	0. 00 0. 00	0.00 0.00	-1. 32 -1. 82	-2. 86 -2. 86	-17. 12 -17. 91	0. 00 0. 00
138	48 64	0.000 0.500	0.00 0.00	0.00 0.00	-2. 27 -2. 77	-2. 93 -2. 93	-17. 91 -19. 17	0. 00 0. 00
139	64 80	0. 000 0. 475	0.00 0.00	0.00 0.00	-3. 21 -3. 69	-2. 99 -2. 99	-19. 17 -20. 81	0. 00 0. 00

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・ス・スレ会ソス

26 27 0.000 0.00

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・スレ会ソス								
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0. 000	0. 00	0. 00	29. 45	24. 40	31. 23	0.00
	2	0. 900	0. 00	0. 00	27. 08	24. 75	56. 67	0.00
2	2	0. 000	0. 00	0. 00	25. 52	24. 19	56. 97	0. 00
	3	0. 575	0. 00	0. 00	24. 01	24. 41	71. 21	0. 00
3	3	0. 000	0. 00	0. 00	22. 36	23. 80	71. 78	0.00
	4	1. 000	0. 00	0. 00	19. 73	24. 19	92. 82	0.00
4	4	0. 000	0.00	0. 00	17. 46	23. 26	93. 22	0. 00
	5	1. 000	0.00	0. 00	14. 83	23. 65	109. 36	0. 00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	12. 40 12. 37 9. 77	22. 60 22. 61 22. 99	109. 68 109. 84 120. 77	0.00 0.00 0.00
6	6	0. 000	0.00	0. 00	11. 72	1. 49	139. 68	0. 00
	7	1. 000	0.00	0. 00	9. 09	1. 88	150. 09	0. 00
7	7	0.000	0.00	0. 00	6. 52	0. 68	150. 23	0. 00
	8	1.000	0.00	0. 00	3. 89	1. 07	155. 43	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	1. 32 0. 00 -1. 31	-0. 19 0. 00 0. 20	155. 48 155. 81 155. 48	0. 00 0. 00 0. 00
9	9	0. 000	0. 00	0. 00	-3. 89	-1. 07	155. 43	0. 00
	10	1. 000	0. 00	0. 00	-6. 52	-0. 68	150. 23	0. 00
10	10	0. 000	0. 00	0. 00	-9. 09	-1. 88	150. 09	0.00
	11	1. 000	0. 00	0. 00	-11. 72	-1. 49	139. 68	0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-9. 77 -12. 37 -12. 40	-22. 99 -22. 61 -22. 60	120. 77 109. 84 109. 68	0. 00 0. 00 0. 00
12	12	0. 000	0.00	0.00	-14.83	-23. 65	109. 36	0. 00
	13	1. 000	0.00	0.00	-17.46	-23. 26	93. 22	0. 00
13	13	0. 000	0.00	0. 00	-19. 73	-24. 19	92. 82	0.00
	14	1. 000	0.00	0. 00	-22. 36	-23. 80	71. 78	0.00
14	14	0. 000	0. 00	0. 00	-24. 01	-24. 41	71. 21	0. 00
	15	0. 575	0. 00	0. 00	-25. 52	-24. 19	56. 97	0. 00
15	15	0. 000	0.00	0. 00	-27. 08	-24. 75	56. 67	0.00
	16	0. 900	0.00	0. 00	-29. 45	-24. 40	31. 23	0.00
16	17 18	0. 000 0. 900	0.00 0.00	0. 00 0. 00	0.77 -0.77	0. 00 0. 00	-0. 12 -0. 12	0. 00 0. 00
17	18	0. 000	0.00	0. 00	0. 49	0. 00	-0. 05	0. 00
	19	0. 575	0.00	0. 00	-0. 49	0. 00	-0. 05	0. 00
18	19	0. 000	0.00	0. 00	0.86	0. 00	-0. 14	0. 00
	20	1. 000	0.00	0. 00	-0.85	0. 00	-0. 14	0. 00
19	20	0.000	0.00	0. 00	0.86	0. 00	-0. 14	0.00
	21	1.000	0.00	0. 00	-0.85	0. 00	-0. 14	0.00
20	21	0.000	0.00	0. 00	0.85	0. 00	-0. 14	0.00
	22	1.000	0.00	0. 00	-0.85	0. 00	-0. 14	0.00
21	22	0.000	0.00	0.00	0.86	0. 00	-0. 14	0.00
	23	1.000	0.00	0.00	-0.85	0. 00	-0. 14	0.00
22	23	0. 000	0. 00	0.00	0. 86	0.00	-0. 14	0. 00
	24	1. 000	0. 00	0.00	-0. 85	0.00	-0. 14	0. 00
23	24	0. 000	0. 00	0.00	0.86	0.00	-0. 14	0. 00
	25	1. 000	0. 00	0.00	-0.85	0.00	-0. 14	0. 00
24	25	0. 000	0. 00	0.00	0. 86	0.00	-0. 14	0. 00
	26	1. 000	0. 00	0.00	-0. 85	0.00	-0. 14	0. 00
25	26	0. 000	0. 00	0. 00	0. 86	0. 00	-0. 14	0. 00
	27	1. 000	0. 00	0. 00	-0. 85	0. 00	-0. 14	0. 00
0.2	0.5		0 0 0	0 0 0				

0.00 0.86

0.00 -0.14

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・ス・スレ会ソス

Case.	3 · X ·	スヤ荷重・ス・	ス・ス・ス・ス・	スレ会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0.000	0.00	0. 00	0. 49	0. 00	-0. 05	0.00
	31	0.575	0.00	0. 00	-0. 49	0. 00	-0. 05	0.00
30	31	0.000	0.00	0. 00	0. 77	0. 00	-0. 12	0. 00
	32	0.900	0.00	0. 00	-0. 77	0. 00	-0. 12	0. 00
31	33	0.000	0.00	0.00	0. 79	0.00	-0. 12	0. 00
	34	0.900	0.00	0.00	-0. 79	0.00	-0. 12	0. 00
32	34	0. 000	0. 00	0. 00	0. 51	0.00	-0. 05	0. 00
	35	0. 575	0. 00	0. 00	-0. 51	0.00	-0. 05	0. 00
33	35	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	36	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
34	36	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	37	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
35	37	0. 000	0. 00	0.00	0. 88	0. 00	-0. 15	0. 00
	38	1. 000	0. 00	0.00	-0. 88	0. 00	-0. 15	0. 00
36	38	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	39	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
37	39	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	40	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
38	40	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	41	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
39	41	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	42	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
40	42	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	43	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
41	43	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	44	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
42	44	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	45	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
43	45	0. 000	0. 00	0. 00	0. 88	0. 00	-0. 15	0. 00
	46	1. 000	0. 00	0. 00	-0. 88	0. 00	-0. 15	0. 00
44	46	0. 000	0. 00	0. 00	0. 51	0. 00	-0. 05	0. 00
	47	0. 575	0. 00	0. 00	-0. 51	0. 00	-0. 05	0. 00
45	47	0. 000	0. 00	0. 00	0. 79	0. 00	-0. 12	0. 00
	48	0. 900	0. 00	0. 00	-0. 79	0. 00	-0. 12	0. 00
46	49	0. 000	0. 00	0. 00	0. 77	0. 00	-0. 12	0. 00
	50	0. 900	0. 00	0. 00	-0. 77	0. 00	-0. 12	0. 00
	50	0. 000	0. 00	0. 00	0. 49	0. 00	-0. 05	0. 00
47 48	50 51 51	0. 000 0. 575 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 49 -0. 86	0. 00 0. 00 0. 00	-0. 05 -0. 05 -0. 14	0.00
49	51 52 52	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 86	0. 00 0. 00 0. 00	-0. 14 -0. 14 -0. 14	0.00
50	52 53 53	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 85	0. 00 0. 00 0. 00	-0. 14 -0. 14 -0. 14	0. 00 0. 00 0. 00
51	54 54	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 86	0. 00 0. 00 0. 00	-0. 14 -0. 14	0. 00 0. 00 0. 00
52	55 55	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 86	0. 00 0. 00 0. 00	-0. 14 -0. 14	0.00
53	56 56	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 86	0. 00 0. 00 0. 00	-0. 14 -0. 14 -0. 14	0. 00 0. 00 0. 00
53 54	57 57	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 0. 86	0. 00 0. 00 0. 00	-0. 14 -0. 14 -0. 14	0.00
	57 58 58	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 85 -0. 86	0. 00 0. 00 0. 00	-0.14	0. 00 0. 00 0. 00
55	58 50	0.000 1.000	0.00	0.00	0.86 -0.85	0.00	-0. 14 -0. 14	0.00

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・ス・スレ会ソス

Case.	. 3 • z •	スヤ荷重 ・ス・	ス・ス・ス・ス・ス・	スレ会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0.000	0. 00	0. 00	0. 86	0.00	-0. 14	0.00
	62	1.000	0. 00	0. 00	-0. 85	0.00	-0. 14	0.00
59	62	0. 000	0. 00	0. 00	0. 49	0.00	-0. 05	0. 00
	63	0. 575	0. 00	0. 00	-0. 49	0.00	-0. 05	0. 00
60	63	0.000	0. 00	0. 00	0. 77	0. 00	-0. 12	0. 00
	64	0.900	0. 00	0. 00	-0. 77	0. 00	-0. 12	0. 00
61	65	0.000	0.00	0. 00	94. 68	50. 72	-30. 88	0.00
	66	0.900	0.00	0. 00	85. 39	39. 22	50. 15	0.00
62	66	0. 000	0.00	0. 00	83. 13	40. 47	49. 64	0.00
	67	0. 575	0.00	0. 00	77. 19	33. 12	95. 73	0.00
63	67	0.000	0. 00	0. 00	74. 76	34. 50	95. 46	0.00
	68	1.000	0. 00	0. 00	64. 44	21. 72	165. 06	0.00
64	68	0.000	0. 00	0. 00	61. 54	23. 26	164. 67	0. 00
	69	1.000	0. 00	0. 00	51. 22	10. 48	221. 04	0. 00
65	69 70	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	48. 46 48. 33 38. 14	11. 84 11. 68 -0. 94	220. 72 221. 35 264. 02	0.00 0.00 0.00
66	70	0.000	0. 00	0. 00	31. 01	29. 42	245. 11	0.00
	71	1.000	0. 00	0. 00	20. 69	16. 64	270. 96	0.00
67	71	0.000	0. 00	0. 00	18. 08	17. 88	270. 83	0. 00
	72	1.000	0. 00	0. 00	7. 76	5. 10	283. 75	0. 00
68	72 73	0.000 0.500 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	5. 16 0. 00 -5. 16	6. 39 0. 00 -6. 39	283. 70 284. 99 283. 70	0. 00 0. 00 0. 00
69	73	0.000	0. 00	0. 00	-7. 76	-5. 10	283. 75	0. 00
	74	1.000	0. 00	0. 00	-18. 08	-17. 88	270. 83	0. 00
70	74	0.000	0. 00	0. 00	-20. 69	-16. 64	270. 96	0. 00
	75	1.000	0. 00	0. 00	-31. 01	-29. 42	245. 11	0. 00
71	75	0.000 0.987	0.00 0.00	0.00 0.00	-38. 14 -48. 33		264. 02 221. 35	0. 00 0. 00
72	76 76	1. 000 0. 000	0.00	0.00	-48. 46 -51. 22	-11. 84 -10. 48	220. 72 221. 04	0.00
73	77	1. 000	0. 00	0. 00	-61. 54	-23. 26	164. 67	0. 00
	77	0. 000	0. 00	0. 00	-64. 44	-21. 72	165. 06	0. 00
	78	1. 000	0. 00	0. 00	-74. 76	-34. 50	95. 46	0. 00
74	78	0. 000	0. 00	0. 00	-77. 19	-33. 12	95. 73	0. 00
	79	0. 575	0. 00	0. 00	-83. 13	-40. 47	49. 64	0. 00
75	79	0. 000	0. 00	0. 00	-85. 39	-39. 22	50. 15	0. 00
	80	0. 900	0. 00	0. 00	-94. 68	-50. 72	-30. 88	0. 00
76	1	0. 000	0.00	0. 00	-38. 82	-31. 23	24. 17	0. 00
	17	0. 475	0.00	0. 00	-39. 66	-31. 23	5. 53	0. 00
77	17	0.000	0.00	0. 00	-40. 42	-31. 12	5. 53	0.00
	33	0.500	0.00	0. 00	-41. 30	-31. 12	-14. 90	0.00
78	33	0.000	0.00	0.00	-42. 09	-31.00	-14. 90	0.00
	49	0.500	0.00	0.00	-42. 97	-31.00	-36. 17	0.00
79	49	0. 000	0.00	0.00	-43. 74	-30. 88	-36. 17	0. 00
	65	0. 475	0.00	0.00	-44. 57	-30. 88	-57. 14	0. 00
80	2	0. 000	0.00	0.00	1. 56	-0. 30	-0. 56	0. 00
	18	0. 475	0.00	0.00	1. 56	-0. 30	0. 18	0. 00
81	18	0.000	0.00	0.00	0. 29	-0. 37	0. 18	0. 00
	34	0.500	0.00	0.00	0. 29	-0. 37	0. 33	0. 00
82	34	0.000	0. 00	0.00	-1. 00	-0. 44	0. 33	0. 00
	50	0.500	0. 00	0.00	-1. 00	-0. 44	-0. 18	0. 00
0.0	- c	0 000	0.00	0 00	0.00	0 = 1	0 10	0.00

83 50 0.000 0.00 0.00 -2.26 -0.51 -0.18

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・ス・スレ会ソス

Case.	3 • x • x	ヤ荷重・ス・	ス・ス・ス・ス・	スレ会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0. 00	0. 00	-1. 08	-0. 37	0. 32	0. 00
	51	0. 500	0. 00	0. 00	-1. 08	-0. 37	-0. 22	0. 00
87	51	0. 000	0. 00	0. 00	-2. 43	-0. 27	-0. 22	0. 00
	67	0. 475	0. 00	0. 00	-2. 43	-0. 27	-1. 38	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	2. 27 2. 27	-0. 39 -0. 39	-0. 93 0. 15	0. 00 0. 00
89	20	0. 000	0. 00	0. 00	0. 56	-0. 39	0. 15	0. 00
	36	0. 500	0. 00	0. 00	0. 56	-0. 39	0. 43	0. 00
90	36	0. 000	0. 00	0. 00	-1. 20	-0. 39	0. 43	0. 00
	52	0. 500	0. 00	0. 00	-1. 20	-0. 39	-0. 17	0. 00
91	52	0. 000	0. 00	0. 00	-2. 91	-0. 39	-0. 17	0. 00
	68	0. 475	0. 00	0. 00	-2. 91	-0. 39	-1. 55	0. 00
92	5	0. 000	0. 00	0. 00	2. 43	-0. 32	-1. 05	0. 00
	21	0. 475	0. 00	0. 00	2. 43	-0. 32	0. 11	0. 00
93	21	0. 000	0. 00	0. 00	0. 72	-0. 32	0. 11	0. 00
	37	0. 500	0. 00	0. 00	0. 72	-0. 32	0. 47	0. 00
94	37	0. 000	0. 00	0. 00	-1. 04	-0. 32	0. 47	0. 00
	53	0. 500	0. 00	0. 00	-1. 04	-0. 32	-0. 05	0. 00
95	53	0. 000	0. 00	0. 00	-2. 75	-0. 32	-0. 05	0. 00
	69	0. 475	0. 00	0. 00	-2. 75	-0. 32	-1. 36	0. 00
96	6	0. 000	0. 00	0. 00	-1. 95	-18. 92	-21. 50	0. 00
	22	0. 475	0. 00	0. 00	-1. 95	-18. 92	-22. 42	0. 00
97 98	22 38 38	0. 000 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-3. 66 -3. 66 -5. 42	-18. 92 -18. 92 -18. 92	-22. 42 -24. 26 -24. 26	0. 00 0. 00 0. 00
98	56	0. 000	0. 00	0. 00	-5. 42	-18. 92	-24. 26	0. 00
	54	0. 500	0. 00	0. 00	-5. 42	-18. 92	-26. 97	0. 00
	54	0. 000	0. 00	0. 00	-7. 13	-18. 92	-26. 97	0. 00
100	70 7	0. 000 0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-7. 13 -7. 13 2. 57	-18. 92	-30. 35	0. 00 0. 00 0. 00
100	23 23	0. 000 0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	2. 57 2. 57 0. 86	-0. 13 -0. 13 -0. 13	-1. 20 0. 02 0. 02	0. 00 0. 00 0. 00
101	39 39	0. 000 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 86 -0. 90	-0. 13 -0. 13 -0. 13	0. 45 0. 45	0. 00 0. 00 0. 00
102	55 55	0. 500 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-0. 90 -2. 61	-0. 13 -0. 13	0. 43 0. 00 0. 00	0. 00 0. 00 0. 00
103	71 8	0. 000 0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-2. 61 2. 58	-0. 13 -0. 05	-1. 24 -1. 26	0. 00 0. 00 0. 00
104	24	0. 475	0. 00	0. 00	2. 58	-0. 05	-0. 04	0. 00
	24	0. 000	0. 00	0. 00	0. 87	-0. 05	-0. 04	0. 00
106	40 40	0. 500 0. 000	0.00	0. 00 0. 00	0. 87 -0. 89	-0. 05 -0. 05	0. 39	0. 00 0. 00
107	56 56	0. 500 0. 000	0.00	0. 00 0. 00	-0. 89 -2. 60	-0. 05 -0. 05	-0. 05 -0. 05	0. 00 0. 00
108	72	0. 475	0. 00	0. 00	-2. 60	-0. 05	-1. 29	0. 00
	9	0. 000	0. 00	0. 00	2. 58	0. 05	-1. 26	0. 00
109	25	0. 475	0. 00	0. 00	2. 58	0. 05	-0. 04	0. 00
	25	0. 000	0. 00	0. 00	0. 87	0. 05	-0. 04	0. 00
110	41	0. 500	0. 00	0. 00	0. 87	0. 05	0. 39	0. 00
	41	0. 000	0. 00	0. 00	-0. 89	0. 05	0. 39	0. 00
111	57 57	0. 500 0. 000	0.00	0. 00 0. 00	-0. 89 -2. 60	0. 05 0. 05	-0. 05 -0. 05	0. 00 0. 00
111	73 10	0. 475 0. 000	0.00	0. 00 0. 00	-2. 60 2. 57	0. 05 0. 13	-1. 29 -1. 20	0. 00 0. 00
	26	0.000	0.00	0.00	2.57	0.10	0.02	0.00

Case. 3・ス・スヤ荷重 ・ス・ス・ス・ス・スレ会ソス

Case.	3 • x • x	ヤ何重・ス・	ス・ス・ス・ス・	・スレ会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-2. 61 -2. 61	0. 13 0. 13	0.00 -1.24	0.00 0.00
116	11	0. 000	0.00	0.00	-1. 95	18. 92	-21.50	0.00
	27	0. 475	0.00	0.00	-1. 95	18. 92	-22.42	0.00
117	27	0. 000	0. 00	0. 00	-3. 66	18. 92	-22. 42	0. 00
	43	0. 500	0. 00	0. 00	-3. 66	18. 92	-24. 26	0. 00
118	43	0. 000	0.00	0. 00	-5. 42	18. 92	-24. 26	0. 00
	59	0. 500	0.00	0. 00	-5. 42	18. 92	-26. 97	0. 00
119	59	0. 000	0.00	0. 00	-7. 13	18. 92	-26. 97	0.00
	75	0. 475	0.00	0. 00	-7. 13	18. 92	-30. 35	0.00
120	12	0. 000	0.00	0.00	2. 43	0. 32	-1. 05	0.00
	28	0. 475	0.00	0.00	2. 43	0. 32	0. 11	0.00
121	28	0. 000	0. 00	0.00	0. 72	0. 32	0. 11	0.00
	44	0. 500	0. 00	0.00	0. 72	0. 32	0. 47	0.00
122	44	0. 000	0. 00	0.00	-1. 04	0. 32	0. 47	0.00
	60	0. 500	0. 00	0.00	-1. 04	0. 32	-0. 05	0.00
123	60	0. 000	0.00	0. 00	-2.75	0. 32	-0.05	0.00
	76	0. 475	0.00	0. 00	-2.75	0. 32	-1.36	0.00
124	13	0. 000	0. 00	0.00	2. 27	0. 39	-0. 93	0.00
	29	0. 475	0. 00	0.00	2. 27	0. 39	0. 15	0.00
125	29	0. 000	0. 00	0. 00	0. 56	0. 39	0. 15	0. 00
	45	0. 500	0. 00	0. 00	0. 56	0. 39	0. 43	0. 00
126	45	0. 000	0. 00	0. 00	-1. 20	0. 39	0. 43	0. 00
	61	0. 500	0. 00	0. 00	-1. 20	0. 39	-0. 17	0. 00
127	61	0. 000	0. 00	0. 00	-2. 91	0. 39	-0. 17	0. 00
	77	0. 475	0. 00	0. 00	-2. 91	0. 39	-1. 55	0. 00
128	14	0. 000	0. 00	0. 00	1. 65	0. 56	-0. 62	0. 00
	30	0. 475	0. 00	0. 00	1. 65	0. 56	0. 17	0. 00
129	30	0. 000	0. 00	0. 00	0. 30	0. 47	0. 17	0. 00
	46	0. 500	0. 00	0. 00	0. 30	0. 47	0. 32	0. 00
130	46	0. 000	0. 00	0. 00	-1. 08	0. 37	0. 32	0. 00
	62	0. 500	0. 00	0. 00	-1. 08	0. 37	-0. 22	0. 00
131	62	0. 000	0. 00	0. 00	-2. 43	0. 27	-0. 22	0. 00
	78	0. 475	0. 00	0. 00	-2. 43	0. 27	-1. 38	0. 00
132	15	0. 000	0. 00	0. 00	1. 56	0. 30	-0. 56	0. 00
	31	0. 475	0. 00	0. 00	1. 56	0. 30	0. 18	0. 00
133	31	0. 000	0. 00	0. 00	0. 29	0. 37	0. 18	0. 00
	47	0. 500	0. 00	0. 00	0. 29	0. 37	0. 33	0. 00
134	47	0. 000	0. 00	0. 00	-1. 00	0. 44	0. 33	0. 00
	63	0. 500	0. 00	0. 00	-1. 00	0. 44	-0. 18	0. 00
135	63	0. 000	0. 00	0. 00	-2. 26	0. 51	-0. 18	0. 00
	79	0. 475	0. 00	0. 00	-2. 26	0. 51	-1. 25	0. 00
136	16	0. 000	0. 00	0. 00	-38. 82	31. 23	24. 17	0. 00
	32	0. 475	0. 00	0. 00	-39. 66	31. 23	5. 53	0. 00
137	32	0. 000	0. 00	0. 00	-40. 42	31. 12	5. 53	0. 00
	48	0. 500	0. 00	0. 00	-41. 30	31. 12	-14. 90	0. 00
138	48 64	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00 0. 00	-42. 09 -42. 97	31. 00 31. 00	-14. 90 -36. 17	0. 00 0. 00 0. 00
139	64 80	0. 000 0. 475	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-43. 74 -44. 57	30. 88 30. 88	-36. 17 -57. 14	0. 00 0. 00 0. 00
	00	0. 110	0.00	0.00	77.01	50.00	01, 14	0.00

Case.	4 · λ · ɔ̈́	スヤ荷重・ス・	ス・ス・ス・スレ	会リス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0. 000	0.00	0. 00	12. 64	10. 45	13. 39	0. 00
	2	0. 900	0.00	0. 00	11. 63	10. 61	24. 31	0. 00
2	2	0. 000	0. 00	0. 00	10. 96	10. 37	24. 44	0.00
	3	0. 575	0. 00	0. 00	10. 31	10. 46	30. 56	0.00
3	3	0.000	0.00	0.00	9. 60	10. 20	30. 80	0. 00
	4	1.000	0.00	0.00	8. 47	10. 37	39. 84	0. 00
4	4	0. 000	0.00	0. 00	7. 50	9. 97	40. 01	0.00
	5	1. 000	0.00	0. 00	6. 37	10. 14	46. 94	0.00
5	5 6	0.000 0.013 1.000	0.00 0.00 0.00	0.00 0.00 0.00	5. 33 5. 31 4. 20	9. 69 9. 69 9. 86	47. 08 47. 15 51. 84	0.00 0.00 0.00
6	6	0. 000	0.00	0. 00	5. 03	0. 63	59. 95	0.00
	7	1. 000	0.00	0. 00	3. 90	0. 80	64. 42	0.00
7	7	0.000	0.00	0.00	2. 80	0. 29	64. 48	0.00
	8	1.000	0.00	0.00	1. 67	0. 46	66. 71	0.00
8	8 9	0.000 0.500 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 57 0. 00 -0. 56	-0. 09 0. 00 0. 08	66. 73 66. 87 66. 73	0.00 0.00 0.00
9	9	0. 000	0. 00	0.00	-1. 67	-0. 46	66. 71	0. 00
	10	1. 000	0. 00	0.00	-2. 80	-0. 29	64. 48	0. 00
10	10	0.000	0.00	0.00	-3. 90	-0. 80	64. 42	0.00
	11	1.000	0.00	0.00	-5. 03	-0. 63	59. 95	0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-4. 20 -5. 31 -5. 33	-9. 86 -9. 69 -9. 69	51. 84 47. 15 47. 08	0.00 0.00 0.00
12	12	0. 000	0. 00	0. 00	-6. 37	-10. 14	46. 94	0. 00
	13	1. 000	0. 00	0. 00	-7. 50	-9. 97	40. 01	0. 00
13	13	0.000	0.00	0. 00	-8. 47	-10. 37	39. 84	0. 00
	14	1.000	0.00	0. 00	-9. 60	-10. 20	30. 80	0. 00
14	14	0. 000	0.00	0. 00	-10. 31	-10. 46	30. 56	0.00
	15	0. 575	0.00	0. 00	-10. 96	-10. 37	24. 44	0.00
15	15	0. 000	0.00	0. 00	-11. 63	-10. 61	24. 31	0. 00
	16	0. 900	0.00	0. 00	-12. 64	-10. 45	13. 39	0. 00
16	17	0.000	0. 00	0. 00	0. 33	0.00	-0. 05	0. 00
	18	0.900	0. 00	0. 00	-0. 33	0.00	-0. 05	0. 00
17	18	0.000	0.00	0. 00	0. 21	0.00	-0. 02	0. 00
	19	0.575	0.00	0. 00	-0. 21	0.00	-0. 02	0. 00
18	19	0.000	0. 00	0. 00	0. 37	0. 00	-0. 06	0. 00
	20	1.000	0. 00	0. 00	-0. 36	0. 00	-0. 06	0. 00
19	20	0. 000	0. 00	0.00	0. 37	0.00	-0. 06	0. 00
	21	1. 000	0. 00	0.00	-0. 36	0.00	-0. 06	0. 00
20	21	0. 000	0. 00	0. 00	0. 36	0.00	-0. 06	0.00
	22	1. 000	0. 00	0. 00	-0. 36	0.00	-0. 06	0.00
21	22	0. 000	0.00	0. 00	0. 37	0.00	-0. 06	0.00
	23	1. 000	0.00	0. 00	-0. 36	0.00	-0. 06	0.00
22	23	0. 000	0. 00	0. 00	0. 37	0. 00	-0. 06	0. 00
	24	1. 000	0. 00	0. 00	-0. 36	0. 00	-0. 06	0. 00
23	24	0. 000	0.00	0. 00	0. 37	0.00	-0. 06	0.00
	25	1. 000	0.00	0. 00	-0. 36	0.00	-0. 06	0.00
24	25	0. 000	0.00	0. 00	0. 37	0.00	-0. 06	0. 00
	26	1. 000	0.00	0. 00	-0. 36	0.00	-0. 06	0. 00
25	26	0. 000	0. 00	0.00	0. 37	0.00	-0.06	0. 00
	27	1. 000	0. 00	0.00	-0. 36	0.00	-0.06	0. 00

26 27 0.000 0.00 0.00 0.37 0.00 -0.06 0.00

Case.	4 · z · z	ヤ荷重 ・ス・	ス・ス・ス・スレ	会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0.000	0.00	0.00	0. 21	0. 00	-0. 02	0.00
	31	0.575	0.00	0.00	-0. 21	0. 00	-0. 02	0.00
30	31	0. 000	0. 00	0.00	0. 33	0.00	-0. 05	0.00
	32	0. 900	0. 00	0.00	-0. 33	0.00	-0. 05	0.00
31	33	0. 000	0. 00	0. 00	0. 34	0.00	-0. 05	0.00
	34	0. 900	0. 00	0. 00	-0. 34	0.00	-0. 05	0.00
32	34	0. 000	0. 00	0.00	0. 22	0.00	-0. 02	0.00
	35	0. 575	0. 00	0.00	-0. 22	0.00	-0. 02	0.00
33	35	0.000	0. 00	0.00	0. 38	0. 00	-0.06	0.00
	36	1.000	0. 00	0.00	-0. 38	0. 00	-0.06	0.00
34	36	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	37	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
35	37	0.000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	38	1.000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
36	38	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	39	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
37	39	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	40	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
38	40	0.000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	41	1.000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
39	41	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	42	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
40	42	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	43	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
41	43	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	44	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
42	44	0.000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	45	1.000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
43	45	0. 000	0. 00	0.00	0. 38	0.00	-0.06	0.00
	46	1. 000	0. 00	0.00	-0. 38	0.00	-0.06	0.00
44	46	0. 000	0. 00	0.00	0. 22	0.00	-0. 02	0.00
	47	0. 575	0. 00	0.00	-0. 22	0.00	-0. 02	0.00
45	47	0.000	0. 00	0.00	0. 34	0.00	-0. 05	0.00
	48	0.900	0. 00	0.00	-0. 34	0.00	-0. 05	0.00
46	49	0.000	0. 00	0.00	0. 33	0.00	-0.05	0.00
	50	0.900	0. 00	0.00	-0. 33	0.00	-0.05	0.00
47	50 51	0. 000 0. 575	0.00 0.00	0.00 0.00	0.21 -0.21	0.00 0.00	-0. 02 -0. 02	0.00 0.00
48	51	0. 000	0.00	0.00	0. 37	0.00	-0.06	0.00
	52	1. 000	0.00	0.00	-0. 36	0.00	-0.06	0.00
49	52	0. 000	0.00	0.00	0. 37	0.00	-0.06	0.00
	53	1. 000	0.00	0.00	-0. 36	0.00	-0.06	0.00
50	53	0. 000	0.00	0.00	0. 36	0.00	-0.06	0.00
	54	1. 000	0.00	0.00	-0. 36	0.00	-0.06	0.00
51	54	0. 000	0.00	0.00	0. 37	0.00	-0.06	0.00
	55	1. 000	0.00	0.00	-0. 36	0.00	-0.06	0.00
52	55	0.000	0.00	0.00	0. 37	0.00	-0.06	0.00
	56	1.000	0.00	0.00	-0. 36	0.00	-0.06	0.00
53	56	0.000	0. 00	0.00	0. 37	0.00	-0.06	0.00
	57	1.000	0. 00	0.00	-0. 36	0.00	-0.06	0.00
54	57	0.000	0. 00	0. 00	0. 37	0.00	-0. 06	0.00
	58	1.000	0. 00	0. 00	-0. 36	0.00	-0. 06	0.00
55	58 50	0.000	0.00	0.00	0.37 -0.36	0.00	-0.06 -0.06	0.00

Case. 4・ス・スヤ荷重 ・ス・ス・ス・ス・スレ会ソス

Case.	4 • 7 • 7	マヤ荷重・ス・	ス・ス・ス・スレ	会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0. 00	0. 00	0. 37	0.00	-0. 06	0.00
	62	1. 000	0. 00	0. 00	-0. 36	0.00	-0. 06	0.00
59	62	0. 000	0. 00	0. 00	0. 21	0.00	-0. 02	0.00
	63	0. 575	0. 00	0. 00	-0. 21	0.00	-0. 02	0.00
60	63	0. 000	0.00	0. 00	0. 33	0.00	-0. 05	0.00
	64	0. 900	0.00	0. 00	-0. 33	0.00	-0. 05	0.00
61	65	0. 000	0.00	0. 00	40. 62	21. 75	-13. 24	0.00
	66	0. 900	0.00	0. 00	36. 64	16. 82	21. 53	0.00
62	66	0. 000	0. 00	0. 00	35. 66	17. 35	21. 31	0.00
	67	0. 575	0. 00	0. 00	33. 12	14. 20	41. 08	0.00
63	67	0. 000	0.00	0. 00	32. 08	14. 79	40. 96	0.00
	68	1. 000	0.00	0. 00	27. 65	9. 31	70. 83	0.00
64	68	0. 000	0.00	0. 00	26. 40	9. 97	70. 66	0.00
	69	1. 000	0.00	0. 00	21. 97	4. 49	94. 84	0.00
65	69 70	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	20. 79 20. 73 16. 36	5. 08 5. 01 -0. 40	94. 70 94. 97 113. 28	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0. 00	13. 31	12. 61	105. 17	0. 00
	71	1. 000	0. 00	0. 00	8. 88	7. 13	116. 26	0. 00
67	71	0. 000	0.00	0. 00	7. 76	7. 67	116. 21	0. 00
	72	1. 000	0.00	0. 00	3. 33	2. 19	121. 75	0. 00
68	72	0. 000 0. 500	0.00 0.00	0. 00 0. 00	2. 22 0. 00	2. 74 0. 00	121. 73 122. 29	0. 00 0. 00
60	73 73	1. 000	0.00	0.00	-2. 21	-2.74	121. 73	0.00
69	73	0. 000	0. 00	0. 00	-3. 33	-2. 19	121. 75	0. 00
	74	1. 000	0. 00	0. 00	-7. 76	-7. 67	116. 21	0. 00
70	74	0. 000	0. 00	0. 00	-8. 88	-7. 13	116. 26	0.00
	75	1. 000	0. 00	0. 00	-13. 31	-12. 61	105. 17	0.00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-16. 36 -20. 73 -20. 79	0. 40 -5. 01 -5. 08	113. 28 94. 97 94. 70	0. 00 0. 00 0. 00
72	76	0. 000	0. 00	0. 00	-21. 97	-4. 49	94. 84	0. 00
	77	1. 000	0. 00	0. 00	-26. 40	-9. 97	70. 66	0. 00
73	77	0. 000	0.00	0. 00	-27. 65	-9. 31	70. 83	0. 00
	78	1. 000	0.00	0. 00	-32. 08	-14. 79	40. 96	0. 00
74	78	0. 000	0.00	0. 00	-33. 12	-14. 20	41. 08	0. 00
	79	0. 575	0.00	0. 00	-35. 66	-17. 35	21. 31	0. 00
75	79	0. 000	0.00	0. 00	-36. 64	-16. 82	21. 53	0. 00
	80	0. 900	0.00	0. 00	-40. 62	-21. 75	-13. 24	0. 00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-16. 64 -17. 00	-13. 39 -13. 39	10. 36 2. 36	0.00 0.00
77	17	0. 000	0.00	0. 00	-17. 33	-13. 34	2. 36	0. 00
	33	0. 500	0.00	0. 00	-17. 70	-13. 34	-6. 39	0. 00
78	33	0. 000	0.00	0. 00	-18. 05	-13. 29	-6. 39	0. 00
	49	0. 500	0.00	0. 00	-18. 42	-13. 29	-15. 51	0. 00
79	49	0. 000	0. 00	0. 00	-18. 75	-13. 24	-15. 51	0. 00
	65	0. 475	0. 00	0. 00	-19. 11	-13. 24	-24. 50	0. 00
80	2	0. 000	0.00	0.00	0. 67	-0. 13	-0. 24	0. 00
	18	0. 475	0.00	0.00	0. 67	-0. 13	0. 08	0. 00
81	18	0. 000	0.00	0. 00	0. 13	-0. 16	0. 08	0. 00
	34	0. 500	0.00	0. 00	0. 13	-0. 16	0. 14	0. 00
82	34	0. 000	0. 00	0. 00	-0. 43	-0. 19	0. 14	0. 00
	50	0. 500	0. 00	0. 00	-0. 43	-0. 19	-0. 08	0. 00
83	50	0.000	0.00	0.00	-0.97	-0.22	-0.08	0.00

Case.	4 · A ·	スヤ荷重・ス・	ス・ス・ス・スレ	会ソス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35 51	0.000 0.500	0.00 0.00	0. 00 0. 00	-0.47 -0.47	-0. 16 -0. 16	0. 14 -0. 10	0. 00 0. 00
87	51	0. 000	0. 00	0. 00	-1. 04	-0. 12	-0. 10	0.00
	67	0. 475	0. 00	0. 00	-1. 04	-0. 12	-0. 59	0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 97 0. 97	-0. 17 -0. 17	-0. 40 0. 06	0. 00 0. 00
89	20	0.000	0.00	0. 00	0. 24	-0. 17	0. 06	0.00
	36	0.500	0.00	0. 00	0. 24	-0. 17	0. 19	0.00
90	36	0.000	0.00	0. 00	-0. 52	-0. 17	0. 19	0.00
	52	0.500	0.00	0. 00	-0. 52	-0. 17	-0. 07	0.00
91	52	0. 000	0. 00	0. 00	-1. 25	-0. 17	-0. 07	0.00
	68	0. 475	0. 00	0. 00	-1. 25	-0. 17	-0. 66	0.00
92	5 21	0. 000 0. 475	0.00 0.00	0.00 0.00	1. 04 1. 04	-0. 14 -0. 14	-0.45 0.05	0.00 0.00
93	21	0.000	0.00	0.00	0. 31	-0. 14	0. 05	0.00
	37	0.500	0.00	0.00	0. 31	-0. 14	0. 20	0.00
94	37	0.000	0.00	0. 00	-0. 45	-0. 14	0. 20	0.00
	53	0.500	0.00	0. 00	-0. 45	-0. 14	-0. 02	0.00
95	53	0. 000	0.00	0. 00	-1. 18	-0. 14	-0. 02	0.00
	69	0. 475	0.00	0. 00	-1. 18	-0. 14	-0. 58	0.00
96	6	0. 000	0.00	0. 00	-0. 83	-8. 11	-9. 23	0.00
	22	0. 475	0.00	0. 00	-0. 83	-8. 11	-9. 62	0.00
97	22	0. 000	0. 00	0. 00	-1. 56	-8. 11	-9. 62	0. 00
	38	0. 500	0. 00	0. 00	-1. 56	-8. 11	-10. 41	0. 00
98	38	0. 000	0. 00	0. 00	-2. 32	-8. 11	-10. 41	0. 00
	54	0. 500	0. 00	0. 00	-2. 32	-8. 11	-11. 57	0. 00
99	54	0. 000	0. 00	0. 00	-3. 05	-8. 11	-11. 57	0. 00
	70	0. 475	0. 00	0. 00	-3. 05	-8. 11	-13. 02	0. 00
100	7	0. 000	0.00	0. 00	1. 10	-0.06	-0. 52	0. 00
	23	0. 475	0.00	0. 00	1. 10	-0.06	0. 01	0. 00
101	23	0.000	0.00	0. 00	0. 37	-0.06	0. 01	0. 00
	39	0.500	0.00	0. 00	0. 37	-0.06	0. 19	0. 00
102	39	0. 000	0.00	0.00	-0.39	-0.06	0. 19	0.00
	55	0. 500	0.00	0.00	-0.39	-0.06	0. 00	0.00
103	55	0. 000	0.00	0. 00	-1. 12	-0.06	0.00	0.00
	71	0. 475	0.00	0. 00	-1. 12	-0.06	-0.53	0.00
104	8	0. 000	0.00	0.00	1. 10	-0. 02	-0. 54	0.00
	24	0. 475	0.00	0.00	1. 10	-0. 02	-0. 02	0.00
105	24	0.000	0.00	0. 00	0. 37	-0. 02	-0. 02	0. 00
	40	0.500	0.00	0. 00	0. 37	-0. 02	0. 17	0. 00
106	40	0.000	0.00	0.00	-0.39	-0. 02	0. 17	0.00
	56	0.500	0.00	0.00	-0.39	-0. 02	-0. 02	0.00
107	56	0. 000	0. 00	0. 00	-1. 12	-0. 02	-0. 02	0.00
	72	0. 475	0. 00	0. 00	-1. 12	-0. 02	-0. 55	0.00
108	9	0. 000	0.00	0.00	1. 10	0. 02	-0. 54	0.00
	25	0. 475	0.00	0.00	1. 10	0. 02	-0. 02	0.00
109	25	0. 000	0.00	0.00	0. 37	0. 02	-0. 02	0.00
	41	0. 500	0.00	0.00	0. 37	0. 02	0. 17	0.00
110	41	0.000	0. 00	0.00	-0.39	0. 02	0. 17	0.00
	57	0.500	0. 00	0.00	-0.39	0. 02	-0. 02	0.00
111	57	0. 000	0. 00	0. 00	-1. 12	0. 02	-0. 02	0.00
	73	0. 475	0. 00	0. 00	-1. 12	0. 02	-0. 55	0.00
112	10 26	0.000	0.00	0.00	1. 10	0.06	-0. 52	0.00

Case. 4・ス・スヤ荷重・ス・ス・ス・ス・スレ会ソス

(Case.	4・ ス・ス	や荷重 ・ス・	ス・ス・ス・スレ	会以				
	部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
]	115	58 74	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-1. 12 -1. 12	0. 06 0. 06	0.00 -0.53	0.00 0.00
]	116	11 27	0. 000 0. 475	0.00 0.00	0.00 0.00	-0.83 -0.83	8. 11 8. 11	-9. 23 -9. 62	0.00 0.00
]	117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	-1. 56 -1. 56	8. 11 8. 11	-9. 62 -10. 41	0.00 0.00
]	118	43 59	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-2.32 -2.32	8. 11 8. 11	-10. 41 -11. 57	0.00 0.00
]	119	59 75	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-3. 05 -3. 05	8. 11 8. 11	-11. 57 -13. 02	0. 00 0. 00
]	120	12 28	0. 000 0. 475	0. 00 0. 00	0.00 0.00	1. 04 1. 04	0. 14 0. 14	$ \begin{array}{c} -0.45 \\ 0.05 \end{array} $	0.00 0.00
]	121	28 44	0. 000 0. 500	0. 00 0. 00	0.00 0.00	0. 31 0. 31	0. 14 0. 14	0. 05 0. 20	0.00 0.00
]	122	44 60	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-0. 45 -0. 45	0. 14 0. 14	0. 20 -0. 02	0.00 0.00
]	123	60 76	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-1. 18 -1. 18	0. 14 0. 14	-0. 02 -0. 58	0.00 0.00
]	124	13 29	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 97 0. 97	0. 17 0. 17	-0.40 0.06	0.00 0.00
]	125	29 45	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 24 0. 24	0. 17 0. 17	0. 06 0. 19	0.00 0.00
]	126	45 61	0.000 0.500	0. 00 0. 00	0.00 0.00	-0. 52 -0. 52	0. 17 0. 17	0. 19 -0. 07	0.00 0.00
]	127	61 77	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-1. 25 -1. 25	0. 17 0. 17	-0. 07 -0. 66	0.00 0.00
]	128	14 30	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 71 0. 71	0. 24 0. 24	-0. 26 0. 07	0.00 0.00
]	129	30 46	0. 000 0. 500	0. 00 0. 00	0.00 0.00	0. 13 0. 13	0. 20 0. 20	0. 07 0. 14	0.00 0.00
]	130	46 62	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-0.47 -0.47	0. 16 0. 16	$ \begin{array}{c} 0.14 \\ -0.10 \end{array} $	0.00 0.00
]	131	62 78	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-1. 04 -1. 04	0. 12 0. 12	-0. 10 -0. 59	0.00 0.00
]	132	15 31	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 67 0. 67	0. 13 0. 13	-0. 24 0. 08	0.00 0.00
]	133	31 47	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 13 0. 13	0. 16 0. 16	0. 08 0. 14	0.00 0.00
]	134	47 63	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	-0. 43 -0. 43	0. 19 0. 19	0. 14 -0. 08	0.00 0.00
]	135	63 79	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-0. 97 -0. 97	0. 22 0. 22	-0. 08 -0. 54	0.00 0.00
]	136	16 32	0. 000 0. 475	0.00 0.00	0.00 0.00	-16. 64 -17. 00	13. 39 13. 39	10. 36 2. 36	0.00 0.00
]	137	32 48	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-17. 33 -17. 70	13. 34 13. 34	2. 36 -6. 39	0.00 0.00
]	138	48 64	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	-18. 05 -18. 42	13. 29 13. 29	-6. 39 -15. 51	0.00 0.00
]	139	64 80	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-18. 75 -19. 11	13. 24 13. 24	-15. 51 -24. 50	0. 00 0. 00

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Case.	5 • スユ鯉ソ	ス・スラ重・	• x • x • x S • x	•	ス)_・ス・ス・	ス・ス ・ス・ス	ス・ス・ス・ス!	く会ソス
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1 2	0.000 0.900	0. 00 0. 00	0. 00 0. 00	216. 10 216. 10	-120. 44 -120. 44	-145. 71 48. 78	0. 00 0. 00
2	2 3	0.000 0.575	0. 00 0. 00	0.00 0.00	215. 92 215. 92	-120. 63 -120. 63	46. 85 171. 00	0. 00 0. 00
3	3 4	0.000 1.000	0.00 0.00	0. 00 0. 00	216. 06 216. 06	-120. 52 -120. 52	168. 99 385. 05	0. 00 0. 00
4	4 5	0. 000 1. 000	0.00 0.00	0.00 0.00	216. 81 216. 81	-119. 83 -119. 83	383. 10 599. 91	0. 00 0. 00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	217. 78 217. 78 217. 78	-118. 95 -118. 95 -118. 95	598. 27 601. 10 816. 05	0.00 0.00 0.00
6	6 7	0. 000 1. 000	0.00 0.00	0.00 0.00	-7. 41 -7. 41	-5. 51 -5. 51	739. 25 731. 84	0. 00 0. 00
7	7 8	0. 000 1. 000	0.00 0.00	0. 00 0. 00	-5. 46 -5. 46	-3. 68 -3. 68	731. 21 725. 75	0. 00 0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-2. 67 -2. 67 -2. 67	-1. 04 -1. 04 -1. 04	725. 53 724. 20 722. 86	0.00 0.00 0.00
9	9 10	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 11 0. 11	1. 60 1. 60	723. 05 723. 16	0. 00 0. 00
10	10 11	0. 000 1. 000	0. 00 0. 00	0.00 0.00	2. 04 2. 04	3. 41 3. 41	723. 76 725. 80	0. 00 0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-222. 07 -222. 07 -222. 07	117. 90 117. 90 117. 90	834. 51 615. 33 612. 44	0.00 0.00 0.00
12	12 13	0.000 1.000	0. 00 0. 00	0.00 0.00	-221. 04 -221. 04	118. 84 118. 84	614. 05 393. 01	0. 00 0. 00
13	13 14	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	-220. 22 -220. 22	119. 60 119. 60	394. 95 174. 73	0. 00 0. 00
14	14 15	0. 000 0. 575	0.00 0.00	0. 00 0. 00	-220. 03 -220. 03	119. 76 119. 76	176. 73 50. 21	0. 00 0. 00
15	15 16	0.000 0.900	0.00 0.00	0. 00 0. 00	-220. 18 -220. 18	119. 60 119. 60	52. 15 -146. 01	0. 00 0. 00
16	17 18	0.000 0.900	0. 00 0. 00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00	0. 00 0. 00
17	18 19	0. 000 0. 575	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0.00 0.00	0. 00 0. 00
18	19 20	0. 000 1. 000	0.00 0.00	0.00 0.00	0. 00 0. 00	0.00 0.00	0.00 0.00	0. 00 0. 00
19	20 21	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
20	21 22	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00
21	22 23	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
22	23 24	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
23	24 25	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00
24	25 26	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
25	26 27	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
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断面力データ Case. 5・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ンン会ソス 節点 X軸周りの 部材 着目 Y軸方向の Z軸方向の Y軸周りの Z軸周りの 軸方向力 曲げモーメント 位置 せん断力 せん断力 モーメント 曲げモーメント No No (kN) (kN) $(kN \cdot m)$ $(kN \cdot m)$ $(kN \cdot m)$ (m)(kN) 0.000 0.00 0.00 0.00 29 0.00 0.00 30 0.00 0.575 0.00 0.00 0.00 0.00 0.00 0.00 31 0.000 0.00 0.00 0.00 0.00 0.00 0.00 30 31 0.00 0.00 0.00 0.00 0.900 0.00 0.00 32 0.00 0.00 33 0.000 0.00 0.00 0.00 0.00 31 34 0.900 0.00 0.00 0.00 0.00 0.00 0.00 32 0.000 0.00 0.00 0.00 0.00 0.00 0.00 34 0.575 0.00 0.00 0.00 0.00 0.00 0.00 35 0.00 0.000 0.00 0.00 0.00 0.00 0.00 33 35 0.00 0.00 0.00 0.00 1.000 0.00 0.00 36 0.000 0.00 0.00 0.00 0.00 0.00 0.00 34 36 0.00 0.00 37 1.000 0.00 0.00 0.00 0.00 37 0.000 0.00 0.00 0.00 0.00 0.00 0.00 35 1.000 0.00 0.00 38 0.00 0.00 0.00 0.00 0.000 36 38 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 39 1.000 0.00 0.00 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 37 39 1.000 0.00 0.00 0.00 0.00 0.00 40 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 38 40 1.000 0.00 0.00 0.00 0.00 0.00 0.00 41 39 0.000 0.00 0.00 0.00 0.00 0.00 0.00 41 42 1.000 0.00 0.00 0.00 0.00 0.00 0.00 42 0.000 0.00 0.00 0.00 0.00 0.00 0.00 40 1.000 0.00 0.00 0.00 0.00 0.00 43 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 43 41 1.000 0.00 0.00 0.00 0.00 0.00 44 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 42 44 0.00 1.000 0.00 0.00 0.00 0.00 0.00 45 0.000 0.00 0.00 0.00 0.00 0.00 0.00 43 45 0.00 0.00 0.00 46 1.000 0.00 0.00 0.00 0.00 46 0.000 0.00 0.00 0.00 0.00 0.00 44 0.575 0.00 0.00 0.00 0.00 0.00 0.00 47 0.00 47 0.000 0.00 0.00 0.00 0.00 0.00 45 0.00 0.00 0.00 0.900 0.00 0.00 0.00 48 0.000 0.00 0.00 0.00 0.00 0.00 0.00 46 49 0.00 0.900 0.00 0.00 0.00 50 0.00 0.00 50 0.000 0.00 0.00 0.00 0.00 0.00 0.00 47 0.00 51 0.575 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 51 0.000 0.00 0.00 0.00 48 1.000 0.00 0.00 0.00 0.00 0.00 52 0.00 0.00 49 52 0.000 0.00 0.00 0.00 0.00 0.00 53 1.000 0.00 0.00 0.00 0.00 0.00 0.00 53 0.000 0.00 0.00 0.00 0.00 0.00 0.00 50 0.00 0.00 0.00 0.00 0.00 54 1.000 0.00 0.00 51 54 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 55 1.000 0.00 0.00 0.00 0.00 52 55 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 56 1.000 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 53 56 0.00 0.00 57 1.000 0.00 0.00 0.00 0.00

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Case. 5・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ンと会ソス 部材 Y軸方向の 節点 着目 X軸周りの Y軸周りの Z軸周りの Z軸方向の 位置 軸方向力 曲げモーメント 曲げモーメント No せん断力 せん断力 モーメント No $(kN \cdot m)$ (m)(kN) (kN) (kN) $(kN \cdot m)$ $(kN \cdot m)$ 58 0.000 0.00 0.00 0.00 0.00 61 0.00 0.00 1.000 0.00 0.00 0.00 0.00 62 0.00 0.00 0.00 0.000 0.00 0.00 0.00 59 62 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 63 0.575 0.000 0.00 0.00 0.00 0.00 0.00 0.00 60 63 64 0.900 0.00 0.00 0.00 0.00 0.00 0.00 65 0.000 0.00 0.00 91.29 0.00 61 -118.54145.71 0.900 0.00 0.00 91.29 66 -118.54227.88 0.00 62 0.000 0.00 0.00 0.00 66 91.47 -118.69229.81 0.575 0.00 0.00 0.00 67 91.47 -118.69282.40 91.33 0.00 63 67 0.000 0.00 0.00 -118.53284.41 0.00 68 1.000 0.00 91.33 -118.53375.74 0.00 68 0.00 0.00 64 0.000 0.00 90.58 -117.76377.69 69 1.000 0.00 0.00 90.58 -117.76468.27 0.00 65 69 0.000 0.00 0.00 89.61 0.00 -116.75469.91 0.00 0.013 0.00 0.00 89, 61 -116.75471.08 70 1.000 0.00 0.00 89.61 -116.75559.53 0.00 66 70 0.000 0.00 0.00 4.80 -5.82 654.52 0.00 1.000 0.00 0.00 4.80 -5.82659.32 71 0.00 71 0.000 0.00 0.00 2.85 -3.83659.96 0.00 67 1.000 0.00 0.00 -3.83662.81 72 2.85 0.00 68 72 0.000 0.00 0.00 0.06 -1.04663.02 0.00 0.500 0.00 0.00 -1.04663.05 0.00 0.06 73 1.000 0.00 0.00 0.06 -1.04663.08 0.00 69 73 0.000 0.00 0.00 -2.711.74 0.00 662.89 0.00 74 1.000 0.00 -2.711.74 660.18 0.00 70 74 0.000 0.00 0.00 3.70 659.57 0.00 -4.6575 1.000 0.00 0.00 -4.653.70 654.92 0.00 71 75 0.000 0.00 0.00 -90.54115.70 564.42 0.00 0.987 0.00 0.00 -90.54115.70 475.05 0.00 0.00 0.00 76 1.000 -90.54115.70 473.88 0.00 472.27 72 76 0.000 0.00 0.00 -91.57 116.76 0.00 77 1.000 0.00 0.00 -91.57380.70 0.00 116.76 73 77 0.000 0.00 0.00 -92.39 117.60 378.76 0.00 78 1.000 0.00 0.00 -92.39117.60 286.37 0.00 74 78 0.000 0.00 0.00 -92.58117.81 0.00 284.37 0.00 0.00 -92.5879 0.575 117.81 231.13 0.00 75 79 0.000 0.00 0.00 -92.43 229.20 0.00 117.68 80 0.900 0.00 0.00 -92.43117.68 146.01 0.00 0.00 76 0.000 0.00 0.00 122.55 145.71 -120.441 17 0.475 0.00 0.00 122.55 145.71 -62.230.00 0.000 0.00 0.00 122.55 0.00 77 17 145.71 -62.2333 0.500 0.00 0.00 122.55 145.71 -0.950.00 78 33 0.000 0.00 0.00 122.55 -0.950.00 145.71 0.00 0.00 122.55 60.32 0.00 49 0.500 145.71 79 49 0.000 0.00 0.00 122.55 145.71 60.32 0.00 65 0.475 0.00 0.00 122.55 145.71 118.54 0.00 1.93 80 2 0.000 0.00 0.000.18 -0.190.00 18 0.475 0.00 0.00 1.93 0.18 -0.110.00 18 0.000 0.00 0.00 1.93 -0.110.00 81 0.18 34 0.500 0.00 0.00 0.18 1.93 -0.020.00 82 0.000 0.00 0.00 1.93 -0.020.00 34 0.18

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Case. 5・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ンン会ソス Y軸方向の 部材 節点 着目 X軸周りの Y軸周りの Z軸周りの Z軸方向の 軸方向力 位置 せん断力 曲げモーメント 曲げモーメント No No せん断力 モーメント (kN) (kN) $(kN \cdot m)$ $(kN \cdot m)$ (m)(kN) $(kN \cdot m)$ 0.00 86 0.000 0.00 0.00 -0.1435 2.01 -0.030.500 0.00 0.00 2.01 -0.1051 -0.140.00 0.00 0.00 87 51 0.000 0.00 -0.142.01 -0.100.00 0.00 2.01 0.00 67 0.475 -0.14-0.160.000 0.00 0.00 -0.750.69 0.00 88 4 1.95 20 0.475 0.00 0.00 -0.751.95 0.33 0.00 20 0.000 0.00 0.00 0.33 0.00 89 -0.751.95 36 0.500 0.00 0.00 1.95 -0.04-0.750.00 90 0.000 -0.040.00 36 0.00 0.00 -0.751.95 52 0.500 0.00 0.00 -0.751.95 -0.420.00 52 -0.750.00 91 0.000 0.00 0.00 1.95 -0.4268 0.475 0.00 0.00 -0.751.95 -0.770.00 5 0.00 0.00 92 0.000 0.00 -0.971.64 0.89 21 0.475 0.00 0.00 -0.971.64 0.43 0.00 93 21 0.000 0.00 0.00 0.00 -0.971.64 0.43 37 0.500 0.00 0.00 -0.971.64 -0.060.00 0.00 37 -0.97-0.060.00 94 0.000 0.00 1.64 0.500 0.00 53 0.00 -0.971.64 -0.540.00 0.00 0.00 95 53 0.000 0.00 -0.971.64 -0.540.00 0.475 0.00 -0.971.64 -1.000.00 69 96 6 0.000 0.00 94.99 0.00 0.00 -84.8154.44 22 0.475 0.00 0.00 -84.81 94.99 14.15 0.00 97 22 0.000 0.00 0.00 -84.81 0.00 94.99 14. 15 38 0.500 0.00 -28. 25 0.00 -84.81 94.99 0.00 38 0.000 0.00 0.00 98 0.00 -84.81 94.99 -28.250.500 0.00 0.00 -84.81 94.99 54 -70.650.00 99 54 0.000 0.00 0.00 -84.8194.99 -70.650.00 94.99 70 0.00 0.00 0.475 0.00 -84.81-110.94100 7 0.000 0.00 0.00 0.00 -1.960.63 1.83 23 0.475 0.00 0.00 -1.960.63 0.90 0.00 101 23 0.000 0.00 0.00 -1.960.63 0.90 0.00 39 0.500 0.00 0.00 -1.960.63 -0.070.00 102 39 0.00 -0.070.00 0.000 0.00 -1.960.63 0.500 0.00 0.00 -1.960.63 -1.050.00 55 0.00 103 55 0.000 0.00 -1.960.63 -1.050.00 0.00 71 0.475 0.00 -1.960.63 -1.980.00 104 8 0.000 0.00 0.00 -2.790.22 2.64 0.00 24 0.22 0.475 0.00 0.00 -2.791.32 0.00 105 24 0.000 0.00 0.00 -2.790.22 0.00 1.32 0.500 0.00 0.00 0.22 40 -2.79-0.070.00 106 40 0.000 0.00 0.00 -2.790.22 -0.070.00 0.00 0.00 -2.790.22 56 0.500 -1.470.00 0.00 0.00 -2.790.22 0.00 107 56 0.000 -1.47-2.79 72 -2.790.22 0.00 0.00 0.00 0.475 108 9 0.000 0.00 0.00 -2.78-0.192.63 0.00 25 0.475 0.00 0.00 -2.78-0.191.31 0.00 109 25 0.000 0.00 0.00 -2.78-0.191.31 0.00 -2.7841 0.500 0.00 0.00 -0.19-0.070.00 0.00 0.00 -2.78-0.19-0.070.00 110 0.000 41 -2.7857 0.500 0.00 0.00 -0.19-1.460.00 111 57 0.000 0.00 0.00 -2.78-0.190.00 -1.46

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-1.94

-0.19

-0.60

-2.78

1.81

0.00

部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0. 00	0. 00	-1. 94	-0.60	-1. 04	0.00
	74	0. 475	0. 00	0. 00	-1. 94	-0.60	-1. 96	0.00
116	11	0. 000	0.00	0. 00	-85. 89	-90. 50	55. 49	0.00
	27	0. 475	0.00	0. 00	-85. 89	-90. 50	14. 69	0.00
117	27	0. 000	0. 00	0. 00	-85. 89	-90. 50	14. 69	0. 00
	43	0. 500	0. 00	0. 00	-85. 89	-90. 50	-28. 25	0. 00
118	43	0.000	0. 00	0. 00	-85. 89	-90. 50	-28. 25	0. 00
	59	0.500	0. 00	0. 00	-85. 89	-90. 50	-71. 20	0. 00
119	59	0. 000	0.00	0. 00	-85. 89	-90. 50	-71. 20	0. 00
	75	0. 475	0.00	0. 00	-85. 89	-90. 50	-112. 00	0. 00
120	12	0. 000	0.00	0. 00	-1. 02	-1. 61	0. 94	0. 00
	28	0. 475	0.00	0. 00	-1. 02	-1. 61	0. 45	0. 00
121	28	0. 000	0.00	0. 00	-1. 02	-1. 61	0. 45	0.00
	44	0. 500	0.00	0. 00	-1. 02	-1. 61	-0. 06	0.00
122	44	0. 000	0.00	0. 00	-1. 02	-1. 61	-0. 06	0. 00
	60	0. 500	0.00	0. 00	-1. 02	-1. 61	-0. 57	0. 00
123	60	0. 000	0.00	0. 00	-1. 02	-1. 61	-0. 57	0.00
	76	0. 475	0.00	0. 00	-1. 02	-1. 61	-1. 06	0.00
124	13	0. 000	0.00	0. 00	-0. 82	-1. 94	0. 76	0.00
	29	0. 475	0.00	0. 00	-0. 82	-1. 94	0. 37	0.00
125	29	0. 000	0.00	0. 00	-0. 82	-1. 94	0. 37	0. 00
	45	0. 500	0.00	0. 00	-0. 82	-1. 94	-0. 04	0. 00
126	45	0. 000	0.00	0. 00	-0. 82	-1. 94	-0. 04	0.00
	61	0. 500	0.00	0. 00	-0. 82	-1. 94	-0. 45	0.00
127	61	0. 000	0.00	0. 00	-0. 82	-1. 94	-0. 45	0. 00
	77	0. 475	0.00	0. 00	-0. 82	-1. 94	-0. 84	0. 00
128	14	0. 000	0.00	0. 00	-0. 19	-2. 01	0. 16	0. 00
	30	0. 475	0.00	0. 00	-0. 19	-2. 01	0. 07	0. 00
129	30	0. 000	0.00	0. 00	-0. 19	-2. 01	0. 07	0. 00
	46	0. 500	0.00	0. 00	-0. 19	-2. 01	-0. 03	0. 00
130	46	0. 000	0.00	0. 00	-0. 19	-2. 01	-0. 03	0. 00
	62	0. 500	0.00	0. 00	-0. 19	-2. 01	-0. 12	0. 00
131	62	0. 000	0. 00	0. 00	-0. 19	-2. 01	-0. 12	0. 00
	78	0. 475	0. 00	0. 00	-0. 19	-2. 01	-0. 21	0. 00
132	15	0. 000	0. 00	0. 00	0. 14	-1. 93	-0. 16	0. 00
	31	0. 475	0. 00	0. 00	0. 14	-1. 93	-0. 09	0. 00
133	31	0. 000	0. 00	0. 00	0. 14	-1. 93	-0. 09	0. 00
	47	0. 500	0. 00	0. 00	0. 14	-1. 93	-0. 02	0. 00
134	47	0. 000	0. 00	0. 00	0. 14	-1. 93	-0. 02	0. 00
	63	0. 500	0. 00	0. 00	0. 14	-1. 93	0. 06	0. 00
135	63	0. 000	0. 00	0. 00	0. 14	-1. 93	0. 06	0. 00
	79	0. 475	0. 00	0. 00	0. 14	-1. 93	0. 12	0. 00
136	16	0. 000	0. 00	0. 00	121. 68	-146. 01	-119. 60	0. 00
	32	0. 475	0. 00	0. 00	121. 68	-146. 01	-61. 80	0. 00
137	32	0. 000	0. 00	0. 00	121. 68	-146. 01	-61. 80	0. 00
	48	0. 500	0. 00	0. 00	121. 68	-146. 01	-0. 96	0. 00
138	48	0. 000	0. 00	0. 00	121. 68	-146. 01	-0. 96	0. 00
	64	0. 500	0. 00	0. 00	121. 68	-146. 01	59. 88	0. 00
139	64	0. 000	0. 00	0. 00	121. 68	-146. 01	59. 88	0. 00
	80	0. 475	0. 00	0. 00	121. 68	-146. 01	117. 68	0. 00

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Case	. 6・スユ鯉シ	ソス・スラ重 ・	· ス・ス・スS ・ス	• ス(• スj • ス •	- ス)_・ス・ス・	ス・ス ・ス・ス	・ス・ス・スレ会シ	ソス
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0.000	0. 00	0.00	65. 62	-38. 30	-46. 18	0.00
	2	0.900	0. 00	0.00	65. 62	-38. 30	12. 87	0.00
2	2	0.000	0. 00	0. 00	65. 56	-38. 36	12. 26	0. 00
	3	0.575	0. 00	0. 00	65. 56	-38. 36	49. 96	0. 00
3	3	0.000	0. 00	0.00	65. 61	-38. 33	49. 32	0. 00
	4	1.000	0. 00	0.00	65. 61	-38. 33	114. 94	0. 00
4	4	0.000	0. 00	0.00	65. 85	-38. 11	114. 32	0. 00
	5	1.000	0. 00	0.00	65. 85	-38. 11	180. 18	0. 00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	66. 16 66. 16 66. 16	-37. 84 -37. 84 -37. 84	179. 66 180. 52 245. 82	0.00 0.00 0.00
6	6 7	0.000 1.000	0. 00 0. 00	0.00 0.00	-1.47 -1.47	-1. 37 -1. 37	216. 46 214. 98	0.00 0.00
7	7	0.000	0. 00	0.00	-0. 87	-0.81	214. 79	0. 00
	8	1.000	0. 00	0.00	-0. 87	-0.81	213. 92	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	213. 85 213. 85 213. 85	0. 00 0. 00 0. 00
9	9	0.000	0. 00	0.00	0. 87	0. 81	213. 92	0. 00
	10	1.000	0. 00	0.00	0. 87	0. 81	214. 79	0. 00
10	10	0.000	0. 00	0.00	1. 47	1. 37	214. 98	0.00
	11	1.000	0. 00	0.00	1. 47	1. 37	216. 46	0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-66. 16 -66. 16 -66. 16	37. 84 37. 84 37. 84	245. 82 180. 52 179. 66	0. 00 0. 00 0. 00
12	12	0. 000	0. 00	0. 00	-65. 85	38. 11	180. 18	0. 00
	13	1. 000	0. 00	0. 00	-65. 85	38. 11	114. 32	0. 00
13	13	0.000	0. 00	0. 00	-65. 61	38. 33	114. 94	0. 00
	14	1.000	0. 00	0. 00	-65. 61	38. 33	49. 32	0. 00
14	14	0.000	0. 00	0.00	-65. 56	38. 36	49. 96	0.00
	15	0.575	0. 00	0.00	-65. 56	38. 36	12. 26	0.00
15	15	0.000	0. 00	0.00	-65. 62	38. 30	12. 87	0. 00
	16	0.900	0. 00	0.00	-65. 62	38. 30	-46. 18	0. 00
16	17	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	18	0.900	0. 00	0.00	0.00	0.00	0.00	0. 00
17	18	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	19	0.575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
18	19	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	20	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
19	20	0.000	0. 00	0. 00	0. 00	0.00	0.00	0. 00
	21	1.000	0. 00	0. 00	0. 00	0.00	0.00	0. 00
20	21	0.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	22	1.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
21	22	0.000	0. 00	0. 00	0. 00	0.00	0.00	0. 00
	23	1.000	0. 00	0. 00	0. 00	0.00	0.00	0. 00
22	23	0.000	0. 00	0.00	0. 00	0.00	0. 00	0.00
	24	1.000	0. 00	0.00	0. 00	0.00	0. 00	0.00
23	24	0.000	0. 00	0.00	0. 00	0.00	0. 00	0.00
	25	1.000	0. 00	0.00	0. 00	0.00	0. 00	0.00
24	25	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	26	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
25	26	0. 000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	27	1. 000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
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Case.	6 ・ スユ鯉ソフ	く・スラ重・	ス・ス・スS ・ス	• ス(• スj • ス •	ス)_・ス・ス・	ス・ス ・ス・ス・	・ス・ス・スレ会シ	ノス
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0. 00	0. 00	0.00	0.00
	31	0. 575	0.00	0.00	0. 00	0. 00	0.00	0.00
30	31	0. 000	0. 00	0.00	0. 00	0. 00	0.00	0.00
	32	0. 900	0. 00	0.00	0. 00	0. 00	0.00	0.00
31	33	0.000	0. 00	0.00	0.00	0. 00	0.00	0.00
	34	0.900	0. 00	0.00	0.00	0. 00	0.00	0.00
32	34	0. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
	35	0. 575	0.00	0.00	0.00	0. 00	0.00	0. 00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	45	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
43	45	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	46	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	47	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	48	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
46	49	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	50	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
47	50	0. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	51	0. 575	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
48	51	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	52	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
49	52	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	53	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
50	53	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
51	54	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	56	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
54	57	0.000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	58	1.000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 6・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・スレ会ソス

Case.	6・スユ鯉)	ノス・スフ重	• x • x • x · x	· ス(• スj • ス	• ス)_ • ス • ス •	ス・ス ・ス・ス	・ス・ス・スレ会	ソス
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0.00	0.00	0. 00	0. 00	0.00	0. 00
	62	1. 000	0.00	0.00	0. 00	0. 00	0.00	0. 00
59	62	0. 000	0.00	0.00	0. 00	0. 00	0.00	0. 00
	63	0. 575	0.00	0.00	0. 00	0. 00	0.00	0. 00
60	63	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	64	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
61	65	0. 000	0.00	0. 00	24. 38	-37. 24	46. 18	0.00
	66	0. 900	0.00	0. 00	24. 38	-37. 24	68. 13	0.00
62	66	0. 000	0.00	0. 00	24. 44	-37. 29	68. 74	0.00
	67	0. 575	0.00	0. 00	24. 44	-37. 29	82. 79	0.00
63	67	0.000	0. 00	0. 00	24. 39	-37. 23	83. 43	0. 00
	68	1.000	0. 00	0. 00	24. 39	-37. 23	107. 81	0. 00
64	68	0.000	0. 00	0. 00	24. 15	-36. 97	108. 43	0. 00
	69	1.000	0. 00	0. 00	24. 15	-36. 97	132. 57	0. 00
65	69 70	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	23. 84 23. 84 23. 84	-36. 65 -36. 65 -36. 65	133. 09 133. 40 156. 93	0. 00 0. 00 0. 00
66	70	0. 000	0.00	0. 00	1. 47	-1. 51	186. 29	0. 00
	71	1. 000	0.00	0. 00	1. 47	-1. 51	187. 77	0. 00
67	71	0. 000	0.00	0. 00	0. 87	-0. 88	187. 96	0. 00
	72	1. 000	0.00	0. 00	0. 87	-0. 88	188. 83	0. 00
68	72 73	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 00 0. 00 0. 00	0.00 0.00 0.00	188. 90 188. 90 188. 90	0.00 0.00 0.00
69	73	0. 000	0. 00	0. 00	-0. 87	0. 88	188. 83	0. 00
	74	1. 000	0. 00	0. 00	-0. 87	0. 88	187. 96	0. 00
70	74	0. 000	0.00	0. 00	-1. 47	1. 51	187. 77	0. 00
	75	1. 000	0.00	0. 00	-1. 47	1. 51	186. 29	0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-23. 84 -23. 84 -23. 84	36. 65 36. 65 36. 65	156. 93 133. 40 133. 09	0. 00 0. 00 0. 00
72	76	0. 000	0. 00	0. 00	-24. 15	36. 97	132. 57	0. 00
	77	1. 000	0. 00	0. 00	-24. 15	36. 97	108. 43	0. 00
73	77	0. 000	0. 00	0. 00	-24. 39	37. 23	107. 81	0. 00
	78	1. 000	0. 00	0. 00	-24. 39	37. 23	83. 43	0. 00
74	78	0. 000	0. 00	0. 00	-24. 44	37. 29	82. 79	0. 00
	79	0. 575	0. 00	0. 00	-24. 44	37. 29	68. 74	0. 00
75	79	0.000	0. 00	0. 00	-24. 38	37. 24	68. 13	0. 00
	80	0.900	0. 00	0. 00	-24. 38	37. 24	46. 18	0. 00
76	1	0. 000	0. 00	0. 00	38. 74	46. 18	-38.30	0. 00
	17	0. 475	0. 00	0. 00	38. 74	46. 18	-19.90	0. 00
77	17	0. 000	0.00	0. 00	38. 74	46. 18	-19. 90	0.00
	33	0. 500	0.00	0. 00	38. 74	46. 18	-0. 53	0.00
78	33	0. 000	0.00	0.00	38. 74	46. 18	-0. 53	0.00
	49	0. 500	0.00	0.00	38. 74	46. 18	18. 84	0.00
79	49	0. 000	0.00	0.00	38. 74	46. 18	18. 84	0. 00
	65	0. 475	0.00	0.00	38. 74	46. 18	37. 24	0. 00
80	2	0. 000	0.00	0.00	0. 05	0. 61	-0.06	0. 00
	18	0. 475	0.00	0.00	0. 05	0. 61	-0.03	0. 00
81	18	0. 000	0.00	0.00	0. 05	0. 61	-0. 03	0. 00
	34	0. 500	0.00	0.00	0. 05	0. 61	-0. 01	0. 00
82	34	0. 000	0.00	0.00	0. 05	0. 61	-0. 01	0. 00
	50	0. 500	0.00	0.00	0. 05	0. 61	0. 02	0. 00

0.00

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Case. 6・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ンンン

Case.	. 6・スユ鯉)	ソス・スラ重・	• ス • ス • スS • ス	• x(• xj • x •	- ス)_・ス・ス・	ス・ス ・ス・ス	・ス・ス・スレ会シ	リス
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0. 00	0. 00	-0. 05	0. 64	-0. 01	0.00
	51	0.500	0. 00	0. 00	-0. 05	0. 64	-0. 04	0.00
87	51	0. 000	0. 00	0.00	-0. 05	0. 64	-0. 04	0.00
	67	0. 475	0. 00	0.00	-0. 05	0. 64	-0. 06	0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-0. 24 -0. 24	0. 62 0. 62	0. 22 0. 10	0.00 0.00
89	20	0. 000	0.00	0. 00	-0. 24	0. 62	0. 10	0. 00
	36	0. 500	0.00	0. 00	-0. 24	0. 62	-0. 02	0. 00
90	36	0. 000	0. 00	0. 00	-0. 24	0. 62	-0. 02	0. 00
	52	0. 500	0. 00	0. 00	-0. 24	0. 62	-0. 14	0. 00
91	52	0. 000	0. 00	0. 00	-0. 24	0. 62	-0. 14	0. 00
	68	0. 475	0. 00	0. 00	-0. 24	0. 62	-0. 26	0. 00
92	5	0. 000	0. 00	0. 00	-0. 31	0. 51	0. 27	0. 00
	21	0. 475	0. 00	0. 00	-0. 31	0. 51	0. 13	0. 00
93	21	0. 000	0. 00	0. 00	-0. 31	0. 51	0. 13	0. 00
	37	0. 500	0. 00	0. 00	-0. 31	0. 51	-0. 03	0. 00
94	37	0. 000	0. 00	0. 00	-0. 31	0. 51	-0. 03	0. 00
	53	0. 500	0. 00	0. 00	-0. 31	0. 51	-0. 18	0. 00
95	53	0. 000	0. 00	0. 00	-0. 31	0. 51	-0. 18	0. 00
	69	0. 475	0. 00	0. 00	-0. 31	0. 51	-0. 33	0. 00
96	6	0. 000	0. 00	0. 00	-22. 37	29. 37	8. 47	0. 00
	22	0. 475	0. 00	0. 00	-22. 37	29. 37	-2. 15	0. 00
97	22	0. 000	0. 00	0. 00	-22. 37	29. 37	-2. 15	0. 00
	38	0. 500	0. 00	0. 00	-22. 37	29. 37	-13. 33	0. 00
98	38	0. 000	0. 00	0. 00	-22. 37	29. 37	-13. 33	0. 00
	54	0. 500	0. 00	0. 00	-22. 37	29. 37	-24. 52	0. 00
99	54	0. 000	0. 00	0. 00	-22. 37	29. 37	-24. 52	0. 00
	70	0. 475	0. 00	0. 00	-22. 37	29. 37	-35. 14	0. 00
100	7	0. 000	0. 00	0. 00	-0. 60	0. 20	0. 55	0. 00
	23	0. 475	0. 00	0. 00	-0. 60	0. 20	0. 27	0. 00
101	23	0. 000	0. 00	0. 00	-0. 60	0. 20	0. 27	0. 00
	39	0. 500	0. 00	0. 00	-0. 60	0. 20	-0. 04	0. 00
102	39	0. 000	0. 00	0. 00	-0. 60	0. 20	-0. 04	0. 00
	55	0. 500	0. 00	0. 00	-0. 60	0. 20	-0. 34	0. 00
103	55	0. 000	0. 00	0. 00	-0. 60	0. 20	-0. 34	0. 00
	71	0. 475	0. 00	0. 00	-0. 60	0. 20	-0. 62	0. 00
104	8	0. 000	0. 00	0. 00	-0. 87	0. 06	0. 81	0. 00
	24	0. 475	0. 00	0. 00	-0. 87	0. 06	0. 40	0. 00
105	24	0. 000	0. 00	0. 00	-0. 87	0. 06	0. 40	0. 00
	40	0. 500	0. 00	0. 00	-0. 87	0. 06	-0. 03	0. 00
106	40	0. 000	0. 00	0. 00	-0. 87	0. 06	-0. 03	0. 00
	56	0. 500	0. 00	0. 00	-0. 87	0. 06	-0. 47	0. 00
107	56	0. 000	0. 00	0. 00	-0. 87	0. 06	-0. 47	0. 00
	72	0. 475	0. 00	0. 00	-0. 87	0. 06	-0. 88	0. 00
108	9	0. 000	0. 00	0. 00	-0. 87	-0. 06	0. 81	0. 00
	25	0. 475	0. 00	0. 00	-0. 87	-0. 06	0. 40	0. 00
109	25	0. 000	0. 00	0. 00	-0. 87	-0. 06	0. 40	0. 00
	41	0. 500	0. 00	0. 00	-0. 87	-0. 06	-0. 03	0. 00
110	41	0. 000	0. 00	0. 00	-0. 87	-0.06	-0. 03	0. 00
	57	0. 500	0. 00	0. 00	-0. 87	-0.06	-0. 47	0. 00
111	57	0. 000	0.00	0.00	-0. 87	-0.06	-0. 47	0. 00
	73	0. 475	0.00	0.00	-0. 87	-0.06	-0. 88	0. 00
112	10 26	0.000	0.00	0.00	-0.60 -0.60	-0. 20 -0. 20	0.55	0.00

Case. 6・スユ鯉ソス・スラ重 ・ス・ス・スS・ス・ス(・スj・ス・ス)_・ス・ス・ス・ス・ス・ス・ス・ス・ス・ス・ンス

case.	0 • 人工無	7人・ // 里	• Y • Y • Y2 • \	(• \(• \() = \(\)	• ^)_ • ^ • ^ ·	• ^ • ^ • ^ •	• / • / • // 云	7.5
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-0. 60 -0. 60	-0. 20 -0. 20	-0. 34 -0. 62	0. 00 0. 00
116	11 27	0. 000 0. 475	0.00 0.00	0.00 0.00	-22. 37 -22. 37	-29. 37 -29. 37	8. 47 -2. 15	0.00 0.00
117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	-22. 37 -22. 37	-29. 37 -29. 37	-2. 15 -13. 33	0. 00 0. 00
118	43 59	0.000 0.500	0.00 0.00	0.00 0.00	-22. 37 -22. 37	-29. 37 -29. 37	-13. 33 -24. 52	0. 00 0. 00
119	59 75	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-22. 37 -22. 37	-29. 37 -29. 37	-24. 52 -35. 14	0. 00 0. 00
120	12 28	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-0. 31 -0. 31	-0. 51 -0. 51	0. 27 0. 13	0. 00 0. 00
121	28 44	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 31 -0. 31	-0. 51 -0. 51	0. 13 -0. 03	0. 00 0. 00
122	44 60	0. 000 0. 500	0.00 0.00	0.00 0.00	-0.31 -0.31	-0. 51 -0. 51	-0. 03 -0. 18	0.00 0.00
123	60 76	0. 000 0. 475	0.00 0.00	0.00 0.00	-0. 31 -0. 31	-0. 51 -0. 51	-0. 18 -0. 33	0.00 0.00
124	13 29	0. 000 0. 475	0.00 0.00	0.00 0.00	-0. 24 -0. 24	-0. 62 -0. 62	0. 22 0. 10	0. 00 0. 00
125	29 45	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 24 -0. 24	-0. 62 -0. 62	0. 10 -0. 02	0. 00 0. 00
126	45 61	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 24 -0. 24	-0. 62 -0. 62	-0. 02 -0. 14	0.00 0.00
127	61 77	0. 000 0. 475	0.00 0.00	0.00 0.00	-0. 24 -0. 24	-0. 62 -0. 62	-0. 14 -0. 26	0.00 0.00
128	14 30	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-0. 05 -0. 05	-0. 64 -0. 64	0. 03 0. 01	0. 00 0. 00
129	30 46	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 05 -0. 05	-0. 64 -0. 64	0. 01 -0. 01	0.00 0.00
130	46 62	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 05 -0. 05	-0. 64 -0. 64	-0. 01 -0. 04	0.00 0.00
131	62 78	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-0. 05 -0. 05	-0. 64 -0. 64	-0. 04 -0. 06	0. 00 0. 00
132	15 31	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 05 0. 05	-0.61 -0.61	-0. 06 -0. 03	0.00 0.00
133	31 47	0. 000 0. 500	0.00 0.00	0.00 0.00	0. 05 0. 05	-0.61 -0.61	-0. 03 -0. 01	0.00 0.00
134	47 63	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 05 0. 05	-0.61 -0.61	-0. 01 0. 02	0. 00 0. 00
135	63 79	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 05 0. 05	-0.61 -0.61	0. 02 0. 04	0.00 0.00
136	16 32	0. 000 0. 475	0. 00 0. 00	0.00 0.00	38. 74 38. 74	-46. 18 -46. 18	-38. 30 -19. 90	0. 00 0. 00
137	32 48	0. 000 0. 500	0. 00 0. 00	0.00 0.00	38. 74 38. 74	-46. 18 -46. 18	-19. 90 -0. 53	0. 00 0. 00
138	48 64	0. 000 0. 500	0.00 0.00	0.00 0.00	38. 74 38. 74	-46. 18 -46. 18	-0. 53 18. 84	0. 00 0. 00
139	64 80	0. 000 0. 475	0. 00 0. 00	0.00 0.00	38. 74 38. 74	-46. 18 -46. 18	18. 84 37. 24	0. 00 0. 00

Case. 7・スヤ暦ソス・ス・ス・スラ重・ス・ス・ス・ス・ス・スレ会ソス

26 27 0.000 0.00

Case.	7 · スヤ暦	ソス・ス・ス・	スラ重 ・ス・ス・	・ス・ス・ス・スレ	会りな			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0.000	0.00	0.00	129. 13	-73. 42	-88. 84	0. 00
	2	0.900	0.00	0.00	129. 13	-73. 42	27. 38	0. 00
2	2	0. 000	0.00	0. 00	129. 03	-73. 53	26. 20	0. 00
	3	0. 575	0.00	0. 00	129. 03	-73. 53	100. 40	0. 00
3	3	0.000	0.00	0.00	129. 13	-73. 46	99. 17	0. 00
	4	1.000	0.00	0.00	129. 13	-73. 46	228. 30	0. 00
4	4	0.000	0.00	0. 00	129. 60	-73. 03	227. 12	0. 00
	5	1.000	0.00	0. 00	129. 60	-73. 03	356. 71	0. 00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	130. 19 130. 19 130. 19	-72. 50 -72. 50 -72. 50	355. 73 357. 42 485. 92	0. 00 0. 00 0. 00
6	6	0.000	0.00	0. 00	-2.85	-2. 67	429. 43	0. 00
	7	1.000	0.00	0. 00	-2.85	-2. 67	426. 57	0. 00
7	7	0.000	0.00	0. 00	-1. 68	-1. 58	426. 20	0.00
	8	1.000	0.00	0. 00	-1. 68	-1. 58	424. 52	0.00
8	8 9	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	424. 39 424. 39 424. 39	0.00 0.00 0.00
9	9	0.000	0.00	0. 00	1. 68	1. 58	424. 52	0.00
	10	1.000	0.00	0. 00	1. 68	1. 58	426. 20	0.00
10	10	0.000	0.00	0. 00	2. 85	2. 67	426. 57	0.00
	11	1.000	0.00	0. 00	2. 85	2. 67	429. 43	0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-130. 19 -130. 19 -130. 19	72. 50 72. 50 72. 50	485. 92 357. 42 355. 73	0. 00 0. 00 0. 00
12	12	0.000	0.00	0.00	-129. 60	73. 03	356. 71	0.00
	13	1.000	0.00	0.00	-129. 60	73. 03	227. 12	0.00
13	13	0.000	0.00	0.00	-129. 13	73. 46	228. 30	0. 00
	14	1.000	0.00	0.00	-129. 13	73. 46	99. 17	0. 00
14	14	0. 000	0.00	0. 00	-129. 03	73. 53	100. 40	0. 00
	15	0. 575	0.00	0. 00	-129. 03	73. 53	26. 20	0. 00
15	15	0.000	0.00	0. 00	-129. 13	73. 42	27. 38	0. 00
	16	0.900	0.00	0. 00	-129. 13	73. 42	-88. 84	0. 00
16	17	0.000	0.00	0. 00	0. 00	0. 00	0.00	0. 00
	18	0.900	0.00	0. 00	0. 00	0. 00	0.00	0. 00
17	18	0. 000	0.00	0. 00	0. 00	0. 00	0.00	0. 00
	19	0. 575	0.00	0. 00	0. 00	0. 00	0.00	0. 00
18	19	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	20	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
19	20	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	21	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
20	21	0.000	0.00	0. 00	0. 00	0. 00	0.00	0.00
	22	1.000	0.00	0. 00	0. 00	0. 00	0.00	0.00
21	22	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	23	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
22	23	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	24	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
23	24	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	25	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
24	25	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	26	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
0.2	0.7	0 000	0 0 0				0 0 0	0 0 0

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Case. 7・スヤ暦ソス・ス・ス・スラ重 ・ス・ス・ス・ス・ス・スレ会ソス

Case.	7 • スヤ暦ソ		マフ重 ・ス・ス・		会ソス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	31	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
30	31	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	32	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
31	33	0.000	0. 00	0. 00	0.00	0.00	0.00	0.00
	34	0.900	0. 00	0. 00	0.00	0.00	0.00	0.00
32	34	0. 000	0. 00	0. 00	0. 00	0. 00	0.00	0.00
	35	0. 575	0. 00	0. 00	0. 00	0. 00	0.00	0.00
33	35	0.000	0.00	0. 00	0.00	0.00	0.00	0. 00
	36	1.000	0.00	0. 00	0.00	0.00	0.00	0. 00
34	36	0.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	37	1.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
35	37	0.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	38	1.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	45	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
43	45	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	46	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	48	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
46	49	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	50	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
47	50	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	51	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
48	51	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	52	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
49	52	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	53	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
50	53	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
51	54	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	56	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
54	57	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	58	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 7・スヤ暦ソス・ス・ス・スラ重・ス・ス・ス・ス・ス・スレ会ソス

Case.	7 · スヤ暦	ソス・ス・ス・)	スラ重 ・ス・ス・	ス・ス・ス・スレ	会ソス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0.000	0.00	0.00	0.00	0. 00	0.00	0. 00
	62	1.000	0.00	0.00	0.00	0. 00	0.00	0. 00
59	62	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	63	0. 575	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
60	63	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0.00
	64	0.900	0.00	0. 00	0. 00	0. 00	0. 00	0.00
61	65	0.000	0.00	0. 00	50. 87	-71. 77	88. 84	0.00
	66	0.900	0.00	0. 00	50. 87	-71. 77	134. 62	0.00
62	66	0. 000	0.00	0.00	50. 97	-71. 86	135. 80	0.00
	67	0. 575	0.00	0.00	50. 97	-71. 86	165. 10	0.00
63	67	0.000	0.00	0.00	50. 87	-71. 74	166. 33	0.00
	68	1.000	0.00	0.00	50. 87	-71. 74	217. 20	0.00
64	68	0.000	0.00	0.00	50. 40	-71. 25	218. 38	0.00
	69	1.000	0.00	0.00	50. 40	-71. 25	268. 79	0.00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	49. 81 49. 81 49. 81	-70. 62 -70. 62 -70. 62	269. 77 270. 42 319. 58	0.00 0.00 0.00
66	70	0.000	0.00	0. 00	2. 85	-2. 90	376. 07	0.00
	71	1.000	0.00	0. 00	2. 85	-2. 90	378. 93	0.00
67	71	0.000	0. 00	0. 00	1. 68	-1. 70	379. 30	0.00
	72	1.000	0. 00	0. 00	1. 68	-1. 70	380. 98	0.00
68	72 73	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00 0.00 0.00	0.00 0.00 0.00	381. 11 381. 11 381. 11	0. 00 0. 00 0. 00
69	73	0. 000	0. 00	0. 00	-1. 68	1. 70	380. 98	0. 00
	74	1. 000	0. 00	0. 00	-1. 68	1. 70	379. 30	0. 00
70	74	0.000	0.00	0. 00	-2. 85	2. 90	378. 93	0. 00
	75	1.000	0.00	0. 00	-2. 85	2. 90	376. 07	0. 00
71	75	0.000	0. 00	0.00	-49. 81	70. 62	319. 58	0. 00
	76	0.987	0. 00	0.00	-49. 81	70. 62	270. 42	0. 00
72	76 76	1. 000 0. 000	0.00	0.00	-49. 81 -50. 40	70. 62 71. 25	269. 77 268. 79	0.00
73	77	1. 000	0. 00	0. 00	-50. 40	71. 25	218. 38	0. 00
	77	0. 000	0. 00	0. 00	-50. 87	71. 74	217. 20	0. 00
	78	1. 000	0. 00	0. 00	-50. 87	71. 74	166. 33	0. 00
74	78	0. 000	0. 00	0. 00	-50. 97	71. 86	165. 10	0. 00
	79	0. 575	0. 00	0. 00	-50. 97	71. 86	135. 80	0. 00
75	79	0.000	0.00	0.00	-50. 87	71. 77	134. 62	0. 00
	80	0.900	0.00	0.00	-50. 87	71. 77	88. 84	0. 00
76	1	0. 000	0.00	0.00	74. 46	88. 84	-73. 42	0. 00
	17	0. 475	0.00	0.00	74. 46	88. 84	-38. 05	0. 00
77	17	0.000	0.00	0.00	74. 46	88. 84	-38. 05	0. 00
	33	0.500	0.00	0.00	74. 46	88. 84	-0. 83	0. 00
78	33	0.000	0.00	0.00	74. 46	88. 84	-0. 83	0. 00
	49	0.500	0.00	0.00	74. 46	88. 84	36. 40	0. 00
79	49	0. 000	0. 00	0.00	74. 46	88. 84	36. 40	0. 00
	65	0. 475	0. 00	0.00	74. 46	88. 84	71. 77	0. 00
80	2	0. 000	0.00	0.00	0. 10	1. 18	-0. 11	0. 00
	18	0. 475	0.00	0.00	0. 10	1. 18	-0. 06	0. 00
81	18	0.000	0. 00	0. 00	0. 10	1. 18	-0.06	0. 00
	34	0.500	0. 00	0. 00	0. 10	1. 18	-0.01	0. 00
82	34	0. 000	0. 00	0.00	0. 10	1. 18	-0. 01	0. 00
	50	0. 500	0. 00	0.00	0. 10	1. 18	0. 04	0. 00
0.0	= 0	0 000	0.00	0 00	0 10		0.04	0 00

83 50 0.000 0.00 0.00 0.10 1.18 0.04 0.00

Case. 7・スヤ暦ソス・ス・ス・スラ重・ス・ス・ス・ス・ス・スレ会ソス

Case	. 7· スヤ暦シ	/ス・ス・ス・ <i>)</i>	スラ重 ・ス・ス・	ス・ス・ス・スレ	会リス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0. 00	0.00	-0. 10	1. 22	-0. 02	0.00
	51	0. 500	0. 00	0.00	-0. 10	1. 22	-0. 07	0.00
87	51	0. 000	0. 00	0. 00	-0. 10	1. 22	-0. 07	0. 00
	67	0. 475	0. 00	0. 00	-0. 10	1. 22	-0. 11	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	-0.47 -0.47	1. 18 1. 18	0. 43 0. 20	0.00 0.00
89	20 36	0.000 0.500	0.00 0.00	0.00 0.00	-0.47 -0.47	1. 18 1. 18	0. 20 -0. 03	0.00 0.00
90	36 52	0.000 0.500	0.00 0.00	0.00 0.00	-0.47 -0.47	1. 18 1. 18	-0. 03 -0. 27	0.00 0.00
91	52 68	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-0.47 -0.47	1. 18 1. 18	-0. 27 -0. 49	0. 00 0. 00
92	5	0. 000	0.00	0. 00	-0.60	0. 99	0. 54	0.00
	21	0. 475	0.00	0. 00	-0.60	0. 99	0. 25	0.00
93	21	0.000	0.00	0.00	-0.60	0. 99	0. 25	0.00
	37	0.500	0.00	0.00	-0.60	0. 99	-0. 05	0.00
94	37	0. 000	0.00	0. 00	-0.60	0. 99	-0. 05	0.00
	53	0. 500	0.00	0. 00	-0.60	0. 99	-0. 34	0.00
95	53	0. 000	0.00	0. 00	-0.60	0. 99	-0. 34	0.00
	69	0. 475	0.00	0. 00	-0.60	0. 99	-0. 63	0.00
96	6	0. 000	0. 00	0. 00	-46. 95	56. 49	23. 83	0. 00
	22	0. 475	0. 00	0. 00	-46. 95	56. 49	1. 53	0. 00
97	22	0. 000	0.00	0.00	-46. 95	56. 49	1. 53	0.00
	38	0. 500	0.00	0.00	-46. 95	56. 49	-21. 95	0.00
98	38	0. 000	0. 00	0. 00	-46. 95	56. 49	-21. 95	0. 00
	54	0. 500	0. 00	0. 00	-46. 95	56. 49	-45. 42	0. 00
99	54	0. 000	0.00	0.00	-46. 95	56. 49	-45. 42	0.00
	70	0. 475	0.00	0.00	-46. 95	56. 49	-67. 72	0.00
100	7	0. 000	0. 00	0. 00	-1. 17	0. 38	1. 09	0. 00
	23	0. 475	0. 00	0. 00	-1. 17	0. 38	0. 53	0. 00
101	23	0. 000	0. 00	0. 00	-1. 17	0. 38	0. 53	0. 00
	39	0. 500	0. 00	0. 00	-1. 17	0. 38	-0. 06	0. 00
102	39	0. 000	0.00	0.00	-1. 17	0. 38	-0. 06	0.00
	55	0. 500	0.00	0.00	-1. 17	0. 38	-0. 64	0.00
103	55	0. 000	0. 00	0. 00	-1. 17	0. 38	-0. 64	0. 00
	71	0. 475	0. 00	0. 00	-1. 17	0. 38	-1. 20	0. 00
104	8	0. 000	0.00	0. 00	-1. 68	0. 12	1. 58	0.00
	24	0. 475	0.00	0. 00	-1. 68	0. 12	0. 78	0.00
105	24	0.000	0. 00	0. 00	-1. 68	0. 12	0. 78	0. 00
	40	0.500	0. 00	0. 00	-1. 68	0. 12	-0. 06	0. 00
106	40	0. 000	0. 00	0. 00	-1. 68	0. 12	-0.06	0.00
	56	0. 500	0. 00	0. 00	-1. 68	0. 12	-0.90	0.00
107	56	0. 000	0.00	0. 00	-1. 68	0. 12	-0. 90	0. 00
	72	0. 475	0.00	0. 00	-1. 68	0. 12	-1. 70	0. 00
108	9	0. 000	0.00	0.00	-1. 68	-0. 12	1. 58	0.00
	25	0. 475	0.00	0.00	-1. 68	-0. 12	0. 78	0.00
109	25	0. 000	0. 00	0. 00	-1. 68	-0. 12	0. 78	0. 00
	41	0. 500	0. 00	0. 00	-1. 68	-0. 12	-0. 06	0. 00
110	41	0. 000	0. 00	0. 00	-1. 68	-0. 12	-0. 06	0.00
	57	0. 500	0. 00	0. 00	-1. 68	-0. 12	-0. 90	0.00
111	57	0. 000	0.00	0.00	-1. 68	-0. 12	-0. 90	0.00
	73	0. 475	0.00	0.00	-1. 68	-0. 12	-1. 70	0.00
112	10 26	0.000	0.00	0.00	-1.17 -1.17	-0.38 -0.38	1.09	0.00

Case. 7・スヤ暦ソス・ス・ス・スラ重 ・ス・ス・ス・ス・ス・スレ会ソス

case.	1 /1/10//	, , , , , , , , , , , , , , , , , , ,	//里 // //	/ · / · / · / · //	五///			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0.00 0.00	0.00 0.00	-1. 17 -1. 17	-0. 38 -0. 38	-0. 64 -1. 20	0.00 0.00
116	11 27	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-46. 95 -46. 95	-56. 49 -56. 49	23. 83 1. 53	0.00 0.00
117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	-46. 95 -46. 95	-56. 49 -56. 49	1. 53 -21. 95	0.00 0.00
118	43 59	0.000 0.500	0. 00 0. 00	0.00 0.00	-46. 95 -46. 95	-56. 49 -56. 49	-21. 95 -45. 42	0.00 0.00
119	59 75	0.000 0.475	0. 00 0. 00	0. 00 0. 00	-46. 95 -46. 95	-56. 49 -56. 49	-45. 42 -67. 72	0. 00 0. 00
120	12 28	0.000 0.475	0. 00 0. 00	0. 00 0. 00	-0.60 -0.60	-0. 99 -0. 99	0. 54 0. 25	0. 00 0. 00
121	28 44	0.000 0.500	0.00 0.00	0. 00 0. 00	-0.60 -0.60	-0. 99 -0. 99	0. 25 -0. 05	0.00 0.00
122	44 60	0.000 0.500	0. 00 0. 00	0. 00 0. 00	-0.60 -0.60	-0. 99 -0. 99	-0. 05 -0. 34	0. 00 0. 00
123	60 76	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-0.60 -0.60	-0. 99 -0. 99	-0. 34 -0. 63	0.00 0.00
124	13 29	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-0.47 -0.47	-1. 18 -1. 18	0. 43 0. 20	0.00 0.00
125	29 45	0.000 0.500	0. 00 0. 00	0. 00 0. 00	-0.47 -0.47	-1. 18 -1. 18	0. 20 -0. 03	0.00 0.00
126	45 61	0.000 0.500	0. 00 0. 00	0. 00 0. 00	-0.47 -0.47	-1. 18 -1. 18	-0. 03 -0. 27	0. 00 0. 00
127	61 77	0.000 0.475	0. 00 0. 00	0. 00 0. 00	-0.47 -0.47	-1. 18 -1. 18	-0. 27 -0. 49	0. 00 0. 00
128	14 30	0.000 0.475	0. 00 0. 00	0. 00 0. 00	-0. 10 -0. 10	-1. 22 -1. 22	0. 07 0. 03	0. 00 0. 00
129	30 46	0.000 0.500	0. 00 0. 00	0.00 0.00	-0. 10 -0. 10	-1. 22 -1. 22	0. 03 -0. 02	0. 00 0. 00
130	46 62	0.000 0.500	0. 00 0. 00	0.00 0.00	-0. 10 -0. 10	-1. 22 -1. 22	-0. 02 -0. 07	0. 00 0. 00
131	62 78	0.000 0.475	0. 00 0. 00	0.00 0.00	-0. 10 -0. 10	-1. 22 -1. 22	-0. 07 -0. 11	0. 00 0. 00
132	15 31	0.000 0.475	0. 00 0. 00	0.00 0.00	0. 10 0. 10	-1. 18 -1. 18	-0. 11 -0. 06	0. 00 0. 00
133	31 47	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 10 0. 10	-1. 18 -1. 18	-0. 06 -0. 01	0. 00 0. 00
134	47 63	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 10 0. 10	-1. 18 -1. 18	-0. 01 0. 04	0.00 0.00
135	63 79	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 10 0. 10	-1. 18 -1. 18	0. 04 0. 08	0.00 0.00
136	16 32	0. 000 0. 475	0. 00 0. 00	0.00 0.00	74. 46 74. 46	-88. 84 -88. 84	-73. 42 -38. 05	0.00 0.00
137	32 48	0.000 0.500	0. 00 0. 00	0.00 0.00	74. 46 74. 46	-88. 84 -88. 84	-38. 05 -0. 83	0. 00 0. 00
138	48 64	0.000 0.500	0. 00 0. 00	0.00 0.00	74. 46 74. 46	-88. 84 -88. 84	-0. 83 36. 40	0. 00 0. 00
139	64 80	0.000 0.475	0.00 0.00	0. 00 0. 00	74. 46 74. 46	-88. 84 -88. 84	36. 40 71. 77	0. 00 0. 00

Case. 8・スヤ暦ソス・ス・ス・スラ重 ・ス・ス・ス・ス・スレ会ソス

26 27 0.000 0.00

Case.	8・スヤ暦	ソス・ス・ス・	スラ重 ・ス・ス・	・ス・ス・スレ会ソ	ス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0.000	0.00	0.00	165. 26	-94. 21	-113. 95	0. 00
	2	0.900	0.00	0.00	165. 26	-94. 21	34. 78	0. 00
2	2	0. 000	0.00	0. 00	165. 13	-94. 35	33. 28	0. 00
	3	0. 575	0.00	0. 00	165. 13	-94. 35	128. 23	0. 00
3	3	0.000	0.00	0.00	165. 25	-94. 26	126. 66	0. 00
	4	1.000	0.00	0.00	165. 25	-94. 26	291. 91	0. 00
4	4	0.000	0.00	0. 00	165. 86	-93. 71	290. 39	0.00
	5	1.000	0.00	0. 00	165. 86	-93. 71	456. 25	0.00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	166. 62 166. 62 166. 62	-93. 03 -93. 03 -93. 03	454. 98 457. 14 621. 60	0. 00 0. 00 0. 00
6	6	0.000	0.00	0. 00	-3. 66	-3. 42	549. 14	0. 00
	7	1.000	0.00	0. 00	-3. 66	-3. 42	545. 48	0. 00
7	7	0.000	0.00	0. 00	-2. 16	-2. 03	545. 00	0.00
	8	1.000	0.00	0. 00	-2. 16	-2. 03	542. 84	0.00
8	8 9	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	542. 68 542. 68 542. 68	0.00 0.00 0.00
9	9	0.000	0.00	0. 00	2. 16	2. 03	542. 84	0. 00
	10	1.000	0.00	0. 00	2. 16	2. 03	545. 00	0. 00
10	10	0.000	0.00	0. 00	3. 66	3. 42	545. 48	0.00
	11	1.000	0.00	0. 00	3. 66	3. 42	549. 14	0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-166. 62 -166. 62 -166. 62	93. 03 93. 03 93. 03	621. 60 457. 14 454. 98	0. 00 0. 00 0. 00
12	12	0.000	0.00	0.00	-165.86	93. 71	456. 25	0.00
	13	1.000	0.00	0.00	-165.86	93. 71	290. 39	0.00
13	13	0.000	0.00	0.00	-165. 25	94. 26	291. 91	0. 00
	14	1.000	0.00	0.00	-165. 25	94. 26	126. 66	0. 00
14	14	0. 000	0. 00	0. 00	-165. 13	94. 35	128. 23	0. 00
	15	0. 575	0. 00	0. 00	-165. 13	94. 35	33. 28	0. 00
15	15	0.000	0.00	0. 00	-165. 26	94. 21	34. 78	0. 00
	16	0.900	0.00	0. 00	-165. 26	94. 21	-113. 95	0. 00
16	17	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	18	0.900	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
17	18	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	19	0. 575	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
18	19	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	20	1.000	0.00	0.00	0.00	0.00	0.00	0.00
19	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	21	1.000	0.00	0.00	0.00	0.00	0.00	0.00
20	21	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	22	1.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
21	22	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	23	1.000	0.00	0.00	0.00	0.00	0.00	0.00
22	23	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	24	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
23	24	0.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	25	1.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
24	25	0.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	26	1.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
0.2	0.7	0 000	0 0 0	0 0 0				0 00

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Case. 8・スヤ暦ソス・ス・ス・スラ重・ス・ス・ス・ス・スレ会ソス

Case.	8・スヤ暦ソ	ス・ス・ス・	スラ重 ・ス・ス・	ス・ス・スレ会ソ	ス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	31	0.575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
30	31	0.000	0.00	0.00	0.00	0.00	0. 00	0.00
	32	0.900	0.00	0.00	0.00	0.00	0. 00	0.00
31	33	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	34	0.900	0.00	0.00	0.00	0.00	0.00	0.00
32	34	0. 000	0.00	0.00	0. 00	0. 00	0.00	0.00
	35	0. 575	0.00	0.00	0. 00	0. 00	0.00	0.00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
34	36	0.000	0.00	0.00	0. 00	0. 00	0.00	0. 00
	37	1.000	0.00	0.00	0. 00	0. 00	0.00	0. 00
35	37	0.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	38	1.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
36	38	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	43	1.000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
41	43	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	45	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
43	45	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	46	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	48	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
46	49	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	50	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
47	50	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	51	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
48	51	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	52	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
49	52	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	53	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
50	53	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
51	54	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	56	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	57	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
54	57	0. 000	0.00	0. 00	0. 00	0. 00	0.00	0. 00
	58	1. 000	0.00	0. 00	0. 00	0. 00	0.00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 8・スヤ暦ソス・ス・ス・スラ重 ・ス・ス・ス・ス・スレ会ソス

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部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	62	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
59	62	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	63	0. 575	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
60	63	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0.00
	64	0. 900	0. 00	0.00	0. 00	0. 00	0. 00	0.00
61	65	0.000	0. 00	0.00	64. 74	-92. 04	113. 95	0. 00
	66	0.900	0. 00	0.00	64. 74	-92. 04	172. 22	0. 00
62	66	0. 000	0. 00	0.00	64. 87	-92. 15	173. 72	0. 00
	67	0. 575	0. 00	0.00	64. 87	-92. 15	211. 02	0. 00
63	67	0.000	0. 00	0.00	64. 75	-92. 00	212. 59	0.00
	68	1.000	0. 00	0.00	64. 75	-92. 00	277. 34	0.00
64	68	0.000	0. 00	0.00	64. 14	-91. 37	278. 86	0.00
	69	1.000	0. 00	0.00	64. 14	-91. 37	343. 00	0.00
65	69 70	0.000 0.013 1.000	0.00 0.00 0.00	0. 00 0. 00 0. 00	63. 38 63. 38 63. 38	-90. 57 -90. 57 -90. 57	344. 27 345. 10 407. 65	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0. 00	3. 66	-3. 72	480. 11	0. 00
	71	1. 000	0. 00	0. 00	3. 66	-3. 72	483. 77	0. 00
67	71	0. 000	0. 00	0. 00	2. 16	-2. 18	484. 25	0. 00
	72	1. 000	0. 00	0. 00	2. 16	-2. 18	486. 41	0. 00
68	72	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	486. 57 486. 57	0.00 0.00
69	73	1. 000	0. 00	0.00	0. 00	0. 00	486. 57	0. 00
	73	0. 000	0. 00	0.00	-2. 16	2. 18	486. 41	0. 00
	74	1. 000	0. 00	0.00	-2. 16	2. 18	484. 25	0. 00
70	74 75	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	-3. 66 -3. 66	3. 72 3. 72	483. 77 480. 11	0. 00 0. 00 0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-63. 38 -63. 38 -63. 38	90. 57 90. 57 90. 57	407. 65 345. 10 344. 27	0. 00 0. 00 0. 00
72	76	0. 000	0. 00	0. 00	-64. 14	91. 37	343. 00	0.00
	77	1. 000	0. 00	0. 00	-64. 14	91. 37	278. 86	0.00
73	77	0.000	0.00	0.00	-64. 75	92. 00	277. 34	0.00
	78	1.000	0.00	0.00	-64. 75	92. 00	212. 59	0.00
74	78	0. 000	0. 00	0.00	-64. 87	92. 15	211. 02	0.00
	79	0. 575	0. 00	0.00	-64. 87	92. 15	173. 72	0.00
75	79	0. 000	0. 00	0.00	-64. 74	92. 04	172. 22	0. 00
	80	0. 900	0. 00	0.00	-64. 74	92. 04	113. 95	0. 00
76	1	0.000	0. 00	0.00	95. 51	113. 95	-94. 21	0.00
	17	0.475	0. 00	0.00	95. 51	113. 95	-48. 84	0.00
77	17	0.000	0. 00	0.00	95. 51	113. 95	-48. 84	0.00
	33	0.500	0. 00	0.00	95. 51	113. 95	-1. 08	0.00
78	33	0.000	0.00	0.00	95. 51	113. 95	-1. 08	0.00
	49	0.500	0.00	0.00	95. 51	113. 95	46. 67	0.00
79	49	0. 000	0. 00	0.00	95. 51	113. 95	46. 67	0.00
	65	0. 475	0. 00	0.00	95. 51	113. 95	92. 04	0.00
80	2	0. 000	0. 00	0. 00	0. 13	1. 51	-0. 14	0. 00
	18	0. 475	0. 00	0. 00	0. 13	1. 51	-0. 08	0. 00
81	18	0. 000	0. 00	0. 00	0. 13	1. 51	-0. 08	0. 00
	34	0. 500	0. 00	0. 00	0. 13	1. 51	-0. 02	0. 00
82	34	0.000	0. 00	0. 00	0. 13	1. 51	-0. 02	0.00
	50	0.500	0. 00	0. 00	0. 13	1. 51	0. 05	0.00
83	50	0.000	0.00	0.00	0.13	1.51	0.05	0.00

Case. 8・スヤ暦ソス・ス・ス・スラ重・ス・ス・ス・ス・スレ会ソス

Case.	8・スヤ暦ン	<i>J</i> ス・ス・ス・ <i>フ</i>	り重 ・ス・ス・	ス・ス・スレ会ソ	ス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0. 00	0. 00	-0. 12	1. 57	-0. 03	0.00
	51	0. 500	0. 00	0. 00	-0. 12	1. 57	-0. 09	0.00
87	51	0. 000	0.00	0. 00	-0. 12	1. 57	-0. 09	0. 00
	67	0. 475	0.00	0. 00	-0. 12	1. 57	-0. 15	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-0.60 -0.60	1. 52 1. 52	0. 55 0. 26	0. 00 0. 00
89	20	0. 000	0.00	0.00	-0.60	1. 52	0. 26	0. 00
	36	0. 500	0.00	0.00	-0.60	1. 52	-0. 04	0. 00
90	36	0. 000	0. 00	0. 00	-0.60	1. 52	-0. 04	0. 00
	52	0. 500	0. 00	0. 00	-0.60	1. 52	-0. 34	0. 00
91	52	0. 000	0. 00	0. 00	-0. 60	1. 52	-0. 34	0. 00
	68	0. 475	0. 00	0. 00	-0. 60	1. 52	-0. 63	0. 00
92	5	0. 000	0. 00	0. 00	-0. 76	1. 27	0. 69	0. 00
	21	0. 475	0. 00	0. 00	-0. 76	1. 27	0. 32	0. 00
93	21	0. 000	0. 00	0. 00	-0. 76	1. 27	0. 32	0. 00
	37	0. 500	0. 00	0. 00	-0. 76	1. 27	-0. 06	0. 00
94	37	0. 000	0. 00	0. 00	-0. 76	1. 27	-0. 06	0. 00
	53	0. 500	0. 00	0. 00	-0. 76	1. 27	-0. 44	0. 00
95	53	0. 000	0. 00	0. 00	-0. 76	1. 27	-0. 44	0. 00
	69	0. 475	0. 00	0. 00	-0. 76	1. 27	-0. 80	0. 00
96	6	0. 000	0. 00	0. 00	-59. 72	72. 46	29. 61	0. 00
	22	0. 475	0. 00	0. 00	-59. 72	72. 46	1. 24	0. 00
97	22	0. 000	0. 00	0. 00	-59. 72	72. 46	1. 24	0. 00
	38	0. 500	0. 00	0. 00	-59. 72	72. 46	-28. 62	0. 00
98	38	0. 000	0. 00	0. 00	-59. 72	72. 46	-28. 62	0. 00
	54	0. 500	0. 00	0. 00	-59. 72	72. 46	-58. 48	0. 00
99	54	0. 000	0. 00	0. 00	-59. 72	72. 46	-58. 48	0. 00
	70	0. 475	0. 00	0. 00	-59. 72	72. 46	-86. 85	0. 00
100	7	0. 000	0. 00	0. 00	-1. 50	0. 48	1. 39	0. 00
	23	0. 475	0. 00	0. 00	-1. 50	0. 48	0. 68	0. 00
101	23	0. 000	0. 00	0. 00	-1. 50	0. 48	0. 68	0. 00
	39	0. 500	0. 00	0. 00	-1. 50	0. 48	-0. 08	0. 00
102	39	0. 000	0. 00	0. 00	-1. 50	0. 48	-0. 08	0. 00
	55	0. 500	0. 00	0. 00	-1. 50	0. 48	-0. 83	0. 00
103	55	0. 000	0. 00	0. 00	-1. 50	0. 48	-0. 83	0. 00
	71	0. 475	0. 00	0. 00	-1. 50	0. 48	-1. 54	0. 00
104	8	0. 000	0. 00	0. 00	-2. 16	0. 16	2. 03	0. 00
	24	0. 475	0. 00	0. 00	-2. 16	0. 16	1. 00	0. 00
105	24	0. 000	0. 00	0. 00	-2. 16	0. 16	1. 00	0. 00
	40	0. 500	0. 00	0. 00	-2. 16	0. 16	-0. 07	0. 00
106	40	0. 000	0. 00	0. 00	-2. 16	0. 16	-0. 07	0. 00
	56	0. 500	0. 00	0. 00	-2. 16	0. 16	-1. 15	0. 00
107	56	0. 000	0. 00	0. 00	-2. 16	0. 16	-1. 15	0. 00
	72	0. 475	0. 00	0. 00	-2. 16	0. 16	-2. 18	0. 00
108	9	0. 000	0. 00	0. 00	-2. 16	-0. 16	2. 03	0. 00
	25	0. 475	0. 00	0. 00	-2. 16	-0. 16	1. 00	0. 00
109	25	0. 000	0. 00	0. 00	-2. 16	-0. 16	1. 00	0. 00
	41	0. 500	0. 00	0. 00	-2. 16	-0. 16	-0. 07	0. 00
110	41	0. 000	0. 00	0. 00	-2. 16	-0. 16	-0. 07	0. 00
	57	0. 500	0. 00	0. 00	-2. 16	-0. 16	-1. 15	0. 00
111	57	0. 000	0. 00	0. 00	-2. 16	-0. 16	-1. 15	0. 00
	73	0. 475	0. 00	0. 00	-2. 16	-0. 16	-2. 18	0. 00
112	10 26	0.000	0.00	0.00	-1.50 -1.50	-0. 48 -0. 48	1. 39 0. 68	0.00

Case. 8・スヤ暦ソス・ス・ス・スラ重 ・ス・ス・ス・ス・スレ会ソス

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	りの Y軸周りの Z軸周りの 曲げモーメント kN・m (kN・m) (kN・m) -0.48
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	72. 46 29. 61 0. 00 72. 46 1. 24 0. 00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	72. 46 1. 24 0. 00 72. 46 -28. 62 0. 00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	72. 46
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	72. 46
44 0.500 0.00 0.00 -0.76 - 122 44 0.000 0.00 0.00 -0.76 - 60 0.500 0.00 0.00 -0.76 - 123 60 0.000 0.00 -0.76 - 76 0.475 0.00 0.00 -0.76 - 124 13 0.000 0.00 -0.60 - 29 0.475 0.00 0.00 -0.60 - 125 29 0.000 0.00 -0.60 - 45 0.500 0.00 0.00 -0.60 -	-1. 27 0. 69 0. 00 -1. 27 0. 32 0. 00
60 0.500 0.00 0.00 -0.76 - 123 60 0.000 0.00 0.00 -0.76 - 76 0.475 0.00 0.00 -0.76 - 124 13 0.000 0.00 -0.60 - 29 0.475 0.00 0.00 -0.60 - 125 29 0.000 0.00 -0.60 - 45 0.500 0.00 0.00 -0.60 -	-1. 27 0. 32 0. 00 -1. 27 -0. 06 0. 00
76 0.475 0.00 0.00 -0.76 - 124 13 0.000 0.00 -0.60 - 29 0.475 0.00 0.00 -0.60 - 125 29 0.000 0.00 0.00 -0.60 - 45 0.500 0.00 0.00 -0.60 -	-1. 27
29 0. 475 0. 00 0. 00 -0. 60 - 125 29 0. 000 0. 00 0. 00 -0. 60 - 45 0. 500 0. 00 0. 00 -0. 60 -	-1. 27
45 0.500 0.00 0.00 -0.60	-1. 52 0. 55 0. 00 -1. 52 0. 26 0. 00
	-1. 52 0. 26 0. 00 -1. 52 -0. 04 0. 00
	-1. 52
	-1. 52
	-1. 57 0. 09 0. 00 -1. 57 0. 04 0. 00
	-1. 57 0. 04 0. 00 -1. 57 -0. 03 0. 00
	-1. 57
	-1. 57
	-1. 51
	-1. 51
	-1. 51
	-1. 51 0. 05 0. 00 -1. 51 0. 11 0. 00
	3. 95 -94. 21 0. 00 3. 95 -48. 84 0. 00
	3. 95 -48. 84 0. 00 3. 95 -1. 08 0. 00
	3. 95 -1. 08 0. 00
139 64 0.000 0.00 0.00 95.51 -11 80 0.475 0.00 0.00 95.51 -11	3. 95 -1. 08 0. 00 3. 95 46. 67 0. 00

Case.	9 • 7 • 7	・スラ重(・ス	· Z)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0.000 0.900	0.00 0.00	0. 00 0. 00	-77. 40 -77. 40	56. 10 56. 10	65. 95 -3. 71	0. 00 0. 00
2	2 3	0. 000 0. 575	0.00 0.00	0. 00 0. 00	-77. 32 -77. 32	56. 21 56. 21	-2.84 -47.30	0. 00 0. 00
3	3	0.000	0.00	0.00	-77. 37	56. 20	-46. 39	0. 00
	4	1.000	0.00	0.00	-77. 37	56. 20	-123. 76	0. 00
4	4	0.000	0. 00	0.00	-77. 68	55. 95	-122. 88	0. 00
	5	1.000	0. 00	0.00	-77. 68	55. 95	-200. 56	0. 00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-78. 07 -78. 07 -78. 07	55. 65 55. 65 55. 65	-199. 83 -200. 84 -277. 90	0. 00 0. 00 0. 00
6	6	0.000	0.00	0.00	2. 00	1. 74	-235. 96	0. 00
	7	1.000	0.00	0.00	2. 00	1. 74	-233. 97	0. 00
7	7	0. 000	0.00	0.00	1. 19	1. 06	-233. 69	0. 00
	8	1. 000	0.00	0.00	1. 19	1. 06	-232. 50	0. 00
8	8	0. 000 0. 500 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-232. 41 -232. 41 -232. 41	0. 00 0. 00 0. 00
9	9	0.000	0. 00	0.00	-1. 19	-1.06	-232. 50	0. 00
	10	1.000	0. 00	0.00	-1. 19	-1.06	-233. 69	0. 00
10	10	0.000	0.00	0. 00	-2. 00	-1. 74	-233. 97	0. 00
	11	1.000	0.00	0. 00	-2. 00	-1. 74	-235. 96	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	78. 07 78. 07 78. 07	-55. 65 -55. 65 -55. 65	-277. 90 -200. 84 -199. 83	0. 00 0. 00 0. 00
12	12	0. 000	0.00	0.00	77. 68	-55. 95	-200. 56	0.00
	13	1. 000	0.00	0.00	77. 68	-55. 95	-122. 88	0.00
13	13	0.000	0. 00	0.00	77. 37	-56. 20	-123. 76	0.00
	14	1.000	0. 00	0.00	77. 37	-56. 20	-46. 39	0.00
14	14	0.000	0. 00	0. 00	77. 32	-56. 21	-47. 30	0. 00
	15	0.575	0. 00	0. 00	77. 32	-56. 21	-2. 84	0. 00
15	15	0.000	0.00	0.00	77. 40	-56. 10	-3. 71	0. 00
	16	0.900	0.00	0.00	77. 40	-56. 10	65. 95	0. 00
16	17	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.900	0.00	0.00	0.00	0.00	0.00	0.00
17	18	0. 000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
	19	0. 575	0. 00	0.00	0. 00	0. 00	0.00	0. 00
18	19	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	20	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
19	20	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	21	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
20	21	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	22	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
21	22	0.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	23	1.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
22	23	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	24	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
23	24	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	25	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
24	25	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	26	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
25	26	0. 000	0. 00	0.00	0.00	0.00	0.00	0. 00
	27	1. 000	0. 00	0.00	0.00	0.00	0.00	0. 00
26	27	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case.	9 · Z · Z	・スラ重(・ス	· Z)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0. 00	0. 00	0.00	0.00
	31	0. 575	0.00	0.00	0. 00	0. 00	0.00	0.00
30	31	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	32	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
31	33	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	34	0.900	0.00	0.00	0.00	0.00	0.00	0.00
32	34	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	35	0.575	0.00	0.00	0.00	0.00	0.00	0.00
33	35	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	36	1.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
34	36	0.000	0.00	0.00	0.00	0. 00	0.00	0.00
	37	1.000	0.00	0.00	0.00	0. 00	0.00	0.00
35	37	0.000	0.00	0.00	0. 00	0. 00	0.00	0.00
	38	1.000	0.00	0.00	0. 00	0. 00	0.00	0.00
36	38	0.000	0.00	0.00	0. 00	0.00	0.00	0.00
	39	1.000	0.00	0.00	0. 00	0.00	0.00	0.00
37	39	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0.00
	40	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0.00
38	40	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0.00
	41	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0.00
39	41	0.000	0. 00	0.00	0. 00	0.00	0.00	0.00
	42	1.000	0. 00	0.00	0. 00	0.00	0.00	0.00
40	42	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	43	1.000	0. 00	0.00	0.00	0.00	0.00	0.00
41	43	0.000	0. 00	0.00	0. 00	0.00	0.00	0.00
	44	1.000	0. 00	0.00	0. 00	0.00	0.00	0.00
42	44	0.000	0. 00	0.00	0. 00	0. 00	0.00	0.00
	45	1.000	0. 00	0.00	0. 00	0. 00	0.00	0.00
43	45	0.000	0. 00	0.00	0. 00	0.00	0.00	0.00
	46	1.000	0. 00	0.00	0. 00	0.00	0.00	0.00
44	46	0.000	0.00	0.00	0. 00	0.00	0.00	0.00
	47	0.575	0.00	0.00	0. 00	0.00	0.00	0.00
45	47	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	48	0.900	0.00	0.00	0.00	0.00	0.00	0.00
46	49	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0.00
	50	0.900	0. 00	0. 00	0. 00	0.00	0. 00	0.00
47	50	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	51	0. 575	0.00	0.00	0.00	0. 00	0.00	0.00
48	51	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	52	1.000	0.00	0.00	0.00	0.00	0.00	0.00
49	52	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	53	1.000	0.00	0.00	0.00	0.00	0.00	0.00
50	53	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	54	1.000	0.00	0.00	0.00	0.00	0.00	0.00
51	54	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	55	1.000	0.00	0.00	0.00	0.00	0.00	0.00
52	55	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	56	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
53	56	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	57	1.000	0. 00	0.00	0.00	0.00	0.00	0.00
54	57	0.000	0.00	0.00	0. 00	0.00	0.00	0.00
	58	1.000	0.00	0.00	0. 00	0.00	0.00	0.00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case.	9 · z · z	・ スラ重(・ ス	(・ス)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0.00
	62	1. 000	0.00	0. 00	0. 00	0. 00	0. 00	0.00
59	62	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	63	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
60	63	0. 000	0.00	0. 00	0. 00	0. 00	0.00	0.00
	64	0. 900	0.00	0. 00	0. 00	0. 00	0.00	0.00
61	65	0. 000	0.00	0.00	-12. 60	52. 46	-65. 95	0.00
	66	0. 900	0.00	0.00	-12. 60	52. 46	-77. 29	0.00
62	66	0. 000	0. 00	0. 00	-12. 68	52. 52	-78. 16	0.00
	67	0. 575	0. 00	0. 00	-12. 68	52. 52	-85. 45	0.00
63	67	0.000	0. 00	0. 00	-12. 63	52. 44	-86. 36	0.00
	68	1.000	0. 00	0. 00	-12. 63	52. 44	-98. 99	0.00
64	68	0.000	0. 00	0. 00	-12. 32	52. 07	-99. 87	0. 00
	69	1.000	0. 00	0. 00	-12. 32	52. 07	-112. 19	0. 00
65	69 70	0.000 0.013 1.000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-11. 93 -11. 93 -11. 93	51. 61 51. 61 51. 61	-112. 92 -113. 08 -124. 85	0. 00 0. 00 0. 00
66	70	0.000	0. 00	0.00	-2.00	2. 15	-166. 79	0.00
	71	1.000	0. 00	0.00	-2.00	2. 15	-168. 78	0.00
67	71	0. 000	0. 00	0.00	-1. 19	1. 26	-169. 06	0. 00
	72	1. 000	0. 00	0.00	-1. 19	1. 26	-170. 25	0. 00
68	72	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	-170. 34 -170. 34	0. 00 0. 00
69	73 73	1. 000 0. 000	0.00	0.00	0. 00 1. 19	0. 00 -1. 26	-170. 34 -170. 25	0.00
70	74 74	1. 000 0. 000	0.00	0.00	1. 19 2. 00	-1. 26 -2. 15	-169. 06 -168. 78	0.00
71	75	1. 000	0. 00	0. 00	2. 00	-2. 15	-166. 79	0. 00
	75	0. 000	0. 00	0. 00	11. 93	-51. 61	-124. 85	0. 00
, 1	76	0. 987 1. 000	0. 00 0. 00	0. 00 0. 00	11. 93 11. 93	-51. 61 -51. 61	-113. 08 -112. 92	0. 00 0. 00 0. 00
72	76	0. 000	0. 00	0.00	12. 32	-52. 07	-112. 19	0. 00
	77	1. 000	0. 00	0.00	12. 32	-52. 07	-99. 87	0. 00
73	77	0.000	0.00	0.00	12. 63	-52. 44	-98. 99	0. 00
	78	1.000	0.00	0.00	12. 63	-52. 44	-86. 36	0. 00
74	78	0. 000	0.00	0.00	12. 68	-52. 52	-85. 45	0.00
	79	0. 575	0.00	0.00	12. 68	-52. 52	-78. 16	0.00
75	79	0.000	0.00	0.00	12.60	-52. 46	-77. 29	0.00
	80	0.900	0.00	0.00	12.60	-52. 46	-65. 95	0.00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	-55. 67 -55. 67	-65. 95 -65. 95	56. 10 29. 66	0.00 0.00
77	17	0. 000	0. 00	0.00	-55. 67	-65. 95	29. 66	0. 00
	33	0. 500	0. 00	0.00	-55. 67	-65. 95	1. 82	0. 00
78	33	0. 000	0.00	0.00	-55. 67	-65. 95	1. 82	0.00
	49	0. 500	0.00	0.00	-55. 67	-65. 95	-26. 02	0.00
79	49	0. 000	0. 00	0.00	-55. 67	-65. 95	-26. 02	0. 00
	65	0. 475	0. 00	0.00	-55. 67	-65. 95	-52. 46	0. 00
80	2	0. 000	0. 00	0. 00	-0. 09	-0. 87	0. 11	0. 00
	18	0. 475	0. 00	0. 00	-0. 09	-0. 87	0. 07	0. 00
81	18	0. 000	0. 00	0. 00	-0. 09	-0.87	0. 07	0. 00
	34	0. 500	0. 00	0. 00	-0. 09	-0.87	0. 02	0. 00
82	34	0.000	0. 00	0.00	-0. 09	-0. 87	0. 02	0.00
	50	0.500	0. 00	0.00	-0. 09	-0. 87	-0. 02	0.00
83	50	0.000	0.00	0.00	-0.09	-0.87	-0.02	0.00

Case.	9 • 7 • 7	· スラ重(・ス	· Z)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0.00	0. 00	0. 05	-0. 91	0. 04	0. 00
	51	0.500	0.00	0. 00	0. 05	-0. 91	0. 06	0. 00
87	51	0. 000	0.00	0. 00	0. 05	-0. 91	0. 06	0. 00
	67	0. 475	0.00	0. 00	0. 05	-0. 91	0. 09	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 31 0. 31	-0.88 -0.88	-0. 25 -0. 10	0.00 0.00
89	20	0.000	0. 00	0.00	0. 31	-0.88	-0. 10	0.00
	36	0.500	0. 00	0.00	0. 31	-0.88	0. 06	0.00
90	36	0.000	0. 00	0.00	0. 31	-0.88	0. 06	0.00
	52	0.500	0. 00	0.00	0. 31	-0.88	0. 22	0.00
91	52	0.000	0.00	0. 00	0. 31	-0.88	0. 22	0. 00
	68	0.475	0.00	0. 00	0. 31	-0.88	0. 37	0. 00
92	5	0.000	0. 00	0.00	0.39	-0. 73	-0.30	0.00
	21	0.475	0. 00	0.00	0.39	-0. 73	-0.11	0.00
93	21	0.000	0. 00	0. 00	0. 39	-0. 73	-0. 11	0. 00
	37	0.500	0. 00	0. 00	0. 39	-0. 73	0. 08	0. 00
94	37	0.000	0. 00	0.00	0.39	-0. 73	0. 08	0.00
	53	0.500	0. 00	0.00	0.39	-0. 73	0. 28	0.00
95	53	0.000	0. 00	0.00	0.39	-0. 73	0. 28	0.00
	69	0.475	0. 00	0.00	0.39	-0. 73	0. 47	0.00
96	6	0. 000	0.00	0.00	9. 93	-41. 94	30. 09	0.00
	22	0. 475	0.00	0.00	9. 93	-41. 94	34. 81	0.00
97	22	0.000	0. 00	0.00	9. 93	-41. 94	34. 81	0.00
	38	0.500	0. 00	0.00	9. 93	-41. 94	39. 77	0.00
98	38	0.000	0. 00	0.00	9. 93	-41. 94	39. 77	0.00
	54	0.500	0. 00	0.00	9. 93	-41. 94	44. 73	0.00
99	54	0. 000	0. 00	0. 00	9. 93	-41. 94	44. 73	0.00
	70	0. 475	0. 00	0. 00	9. 93	-41. 94	49. 45	0.00
100	7	0. 000	0. 00	0.00	0. 81	-0. 28	-0.68	0. 00
	23	0. 475	0. 00	0.00	0. 81	-0. 28	-0.30	0. 00
101	23	0.000	0. 00	0.00	0. 81	-0. 28	-0.30	0.00
	39	0.500	0. 00	0.00	0. 81	-0. 28	0.10	0.00
102	39	0.000	0. 00	0.00	0.81	-0. 28	0. 10	0.00
	55	0.500	0. 00	0.00	0.81	-0. 28	0. 51	0.00
103	55	0. 000	0. 00	0.00	0. 81	-0. 28	0. 51	0.00
	71	0. 475	0. 00	0.00	0. 81	-0. 28	0. 89	0.00
104	8	0. 000	0. 00	0. 00	1. 19	-0. 09	-1. 06	0. 00
	24	0. 475	0. 00	0. 00	1. 19	-0. 09	-0. 49	0. 00
105	24	0.000	0. 00	0. 00	1. 19	-0. 09	-0. 49	0. 00
	40	0.500	0. 00	0. 00	1. 19	-0. 09	0. 10	0. 00
106	40	0.000	0. 00	0. 00	1. 19	-0. 09	0. 10	0. 00
	56	0.500	0. 00	0. 00	1. 19	-0. 09	0. 70	0. 00
107	56	0.000	0. 00	0. 00	1. 19	-0. 09	0. 70	0. 00
	72	0.475	0. 00	0. 00	1. 19	-0. 09	1. 26	0. 00
108	9	0.000	0. 00	0. 00	1. 19	0. 09	-1. 06	0. 00
	25	0.475	0. 00	0. 00	1. 19	0. 09	-0. 49	0. 00
109	25	0.000	0. 00	0.00	1. 19	0. 09	-0. 49	0.00
	41	0.500	0. 00	0.00	1. 19	0. 09	0. 10	0.00
110	41	0. 000	0. 00	0.00	1. 19	0. 09	0. 10	0.00
	57	0. 500	0. 00	0.00	1. 19	0. 09	0. 70	0.00
111	57	0. 000	0. 00	0.00	1. 19	0. 09	0. 70	0.00
	73	0. 475	0. 00	0.00	1. 19	0. 09	1. 26	0.00
112	10 26	0.000	0.00	0.00	0.81	0.28	-0.68 -0.30	0.00

Case	e. 9 • x • x	・スラ重(・ス	• Z)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0.00	0. 00	0. 81	0. 28	0. 51	0. 00
	74	0. 475	0.00	0. 00	0. 81	0. 28	0. 89	0. 00
116	11	0. 000	0.00	0. 00	9. 93	41. 94	30. 09	0. 00
	27	0. 475	0.00	0. 00	9. 93	41. 94	34. 81	0. 00
117	27	0.000	0. 00	0.00	9. 93	41. 94	34. 81	0.00
	43	0.500	0. 00	0.00	9. 93	41. 94	39. 77	0.00
118	43	0. 000	0. 00	0. 00	9. 93	41. 94	39. 77	0.00
	59	0. 500	0. 00	0. 00	9. 93	41. 94	44. 73	0.00
119	59	0. 000	0. 00	0. 00	9. 93	41. 94	44. 73	0. 00
	75	0. 475	0. 00	0. 00	9. 93	41. 94	49. 45	0. 00
120	12	0. 000	0. 00	0. 00	0. 39	0. 73	-0.30	0.00
	28	0. 475	0. 00	0. 00	0. 39	0. 73	-0.11	0.00
121	28	0. 000	0. 00	0.00	0. 39	0. 73	-0. 11	0.00
	44	0. 500	0. 00	0.00	0. 39	0. 73	0. 08	0.00
122	44	0.000	0.00	0.00	0.39	0. 73	0. 08	0.00
	60	0.500	0.00	0.00	0.39	0. 73	0. 28	0.00
123	60	0. 000	0. 00	0.00	0. 39	0. 73	0. 28	0.00
	76	0. 475	0. 00	0.00	0. 39	0. 73	0. 47	0.00
124	13	0.000	0. 00	0.00	0. 31	0. 88	-0. 25	0.00
	29	0.475	0. 00	0.00	0. 31	0. 88	-0. 10	0.00
125	29	0.000	0.00	0. 00	0. 31	0. 88	-0. 10	0. 00
	45	0.500	0.00	0. 00	0. 31	0. 88	0. 06	0. 00
126	45	0.000	0. 00	0.00	0. 31	0. 88	0. 06	0.00
	61	0.500	0. 00	0.00	0. 31	0. 88	0. 22	0.00
127	61	0. 000	0. 00	0.00	0. 31	0. 88	0. 22	0.00
	77	0. 475	0. 00	0.00	0. 31	0. 88	0. 37	0.00
128	14	0. 000	0. 00	0.00	0. 05	0. 91	-0. 01	0.00
	30	0. 475	0. 00	0.00	0. 05	0. 91	0. 01	0.00
129	30	0.000	0. 00	0.00	0. 05	0. 91	0. 01	0.00
	46	0.500	0. 00	0.00	0. 05	0. 91	0. 04	0.00
130	46	0.000	0. 00	0.00	0. 05	0. 91	0. 04	0.00
	62	0.500	0. 00	0.00	0. 05	0. 91	0. 06	0.00
131	62	0. 000	0. 00	0.00	0. 05	0. 91	0. 06	0.00
	78	0. 475	0. 00	0.00	0. 05	0. 91	0. 09	0.00
132	15	0. 000	0. 00	0.00	-0.09	0. 87	0. 11	0.00
	31	0. 475	0. 00	0.00	-0.09	0. 87	0. 07	0.00
133	31	0. 000	0. 00	0.00	-0.09	0. 87	0. 07	0.00
	47	0. 500	0. 00	0.00	-0.09	0. 87	0. 02	0.00
134	47	0.000	0.00	0.00	-0.09	0. 87	0. 02	0.00
	63	0.500	0.00	0.00	-0.09	0. 87	-0. 02	0.00
135	63	0.000	0. 00	0.00	-0.09	0. 87	-0. 02	0.00
	79	0.475	0. 00	0.00	-0.09	0. 87	-0. 06	0.00
136	16	0. 000	0. 00	0.00	-55. 67	65. 95	56. 10	0.00
	32	0. 475	0. 00	0.00	-55. 67	65. 95	29. 66	0.00
137	32	0.000	0. 00	0.00	-55. 67	65. 95	29. 66	0.00
	48	0.500	0. 00	0.00	-55. 67	65. 95	1. 82	0.00
138	48	0.000	0. 00	0.00	-55. 67	65. 95	1. 82	0.00
	64	0.500	0. 00	0.00	-55. 67	65. 95	-26. 02	0.00
139	64	0. 000	0. 00	0.00	-55. 67	65. 95	-26. 02	0.00
	80	0. 475	0. 00	0.00	-55. 67	65. 95	-52. 46	0.00

Case. 10・ス・ス・スラ重 (・ス・ス)

Case.	10 · x · 2	ス・スラ重(・	ス・ス)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0. 000	0.00	0.00	-35. 93	6. 97	10. 59	0.00
	2	0. 900	0.00	0.00	-35. 93	6. 97	-21. 75	0.00
2	2	0. 000	0.00	0. 00	-35. 93	6. 96	-21. 61	0. 00
	3	0. 575	0.00	0. 00	-35. 93	6. 96	-42. 27	0. 00
3	$\begin{array}{c} 3 \\ 4 \end{array}$	0. 000 1. 000	0. 00 0. 00	0.00 0.00	-35. 97 -35. 97	6. 90 6. 90	-42. 12 -78. 09	0.00 0.00
4	4	0. 000	0.00	0.00	-36. 06	6. 77	-77. 95	0.00
	5	1. 000	0.00	0.00	-36. 06	6. 77	-114. 01	0.00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-36. 19 -36. 19 -36. 19	6. 60 6. 60 6. 60	-113. 89 -114. 36 -150. 08	0.00 0.00 0.00
6	6	0. 000	0.00	0. 00	0. 48	0. 59	-143. 35	0.00
	7	1. 000	0.00	0. 00	0. 48	0. 59	-142. 88	0.00
7	7	0. 000	0.00	0.00	0. 27	0. 32	-142. 83	0. 00
	8	1. 000	0.00	0.00	0. 27	0. 32	-142. 56	0. 00
8	8 9	0. 000 0. 500 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-142. 55 -142. 55 -142. 55	0. 00 0. 00 0. 00
9	9	0. 000	0.00	0.00	-0. 27	-0. 32	-142. 56	0. 00
	10	1. 000	0.00	0.00	-0. 27	-0. 32	-142. 83	0. 00
10	10 11	0. 000 1. 000	0.00 0.00	0.00 0.00	-0.48 -0.48	-0. 59 -0. 59	-142. 88 -143. 35	0. 00 0. 00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	36. 19 36. 19 36. 19	-6. 60 -6. 60 -6. 60	-150. 08 -114. 36 -113. 89	0. 00 0. 00 0. 00
12	12	0. 000	0. 00	0.00	36. 06	-6. 77	-114. 01	0.00
	13	1. 000	0. 00	0.00	36. 06	-6. 77	-77. 95	0.00
13	13	0.000	0.00	0.00	35. 97	-6. 90	-78. 09	0.00
	14	1.000	0.00	0.00	35. 97	-6. 90	-42. 12	0.00
14	14	0. 000	0.00	0.00	35. 93	-6. 96	-42. 27	0.00
	15	0. 575	0.00	0.00	35. 93	-6. 96	-21. 61	0.00
15	15	0. 000	0.00	0.00	35. 93	-6. 97	-21. 75	0.00
	16	0. 900	0.00	0.00	35. 93	-6. 97	10. 59	0.00
16	17	0. 000	0.00	0. 00	0. 00	0. 00	0.00	0. 00
	18	0. 900	0.00	0. 00	0. 00	0. 00	0.00	0. 00
17	18	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	19	0. 575	0.00	0.00	0.00	0.00	0.00	0. 00
18	19	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	20	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
19	20	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	21	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
20	21	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	22	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
21	22	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	23	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
22	23	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	24	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
23	24	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	25	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
24	25	0.000	0. 00	0. 00	0.00	0. 00	0.00	0.00
	26	1.000	0. 00	0. 00	0.00	0. 00	0.00	0.00
25	26	0.000	0.00	0. 00	0.00	0. 00	0.00	0. 00
	27	1.000	0.00	0. 00	0.00	0. 00	0.00	0. 00
26	27	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case.	10 · ス・ス	ス・スラ重(・	ス・ス)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0.00	0. 00	0. 00	0. 00
	31	0. 575	0.00	0.00	0.00	0. 00	0. 00	0. 00
30	31	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	32	0.900	0. 00	0.00	0.00	0.00	0.00	0. 00
31	33	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	34	0.900	0. 00	0.00	0.00	0.00	0.00	0.00
32	34	0. 000	0. 00	0.00	0.00	0.00	0. 00	0.00
	35	0. 575	0. 00	0.00	0.00	0.00	0. 00	0.00
33	35	0. 000	0. 00	0.00	0.00	0.00	0. 00	0.00
	36	1. 000	0. 00	0.00	0.00	0.00	0. 00	0.00
34	36	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	37	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
35	37	0. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
	38	1. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
36	38	0. 000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
37	39	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	40	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
38	40	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	41	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
39	41	0. 000	0.00	0.00	0.00	0. 00	0. 00	0.00
	42	1. 000	0.00	0.00	0.00	0. 00	0. 00	0.00
40	42	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	43	1.000	0. 00	0.00	0.00	0.00	0.00	0.00
41	43	0. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
	44	1. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
42	44	0. 000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
	45	1. 000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
43	45	0. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
	46	1. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
44	46	0. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
	47	0. 575	0.00	0. 00	0.00	0.00	0.00	0. 00
45	47	0.000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
	48	0.900	0. 00	0. 00	0.00	0.00	0. 00	0. 00
46	49	0. 000	0. 00	0.00	0.00	0.00	0. 00	0.00
	50	0. 900	0. 00	0.00	0.00	0.00	0. 00	0.00
47	50	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	51	0.575	0.00	0.00	0.00	0.00	0.00	0.00
48	51	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	52	1.000	0.00	0.00	0.00	0.00	0.00	0.00
49	52	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	53	1.000	0.00	0.00	0.00	0.00	0.00	0.00
50	53	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	54	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
51	54	0. 000	0. 00	0. 00	0.00	0.00	0.00	0.00
	55	1. 000	0. 00	0. 00	0.00	0.00	0.00	0.00
52	55	0. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	56	1. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
53	56	0. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
54	57	0. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	58	1. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case, 10・ス・ス・スラ重 (・ス・ス)

Case.	10・ス・2	ス・スラ重(・	ス・ス)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0.00	0. 00	0.00	0. 00	0. 00	0. 00
	62	1. 000	0.00	0. 00	0.00	0. 00	0. 00	0. 00
59	62	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	63	0. 575	0.00	0.00	0.00	0.00	0.00	0. 00
60	63	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	64	0. 900	0.00	0.00	0.00	0.00	0.00	0.00
61	65	0. 000	0.00	0.00	-34. 07	9. 46	-10. 59	0. 00
	66	0. 900	0.00	0.00	-34. 07	9. 46	-41. 25	0. 00
62	66	0. 000	0.00	0. 00	-34. 07	9. 47	-41. 39	0. 00
	67	0. 575	0.00	0. 00	-34. 07	9. 47	-60. 98	0. 00
63	67	0. 000	0.00	0.00	-34. 03	9. 46	-61. 13	0. 00
	68	1. 000	0.00	0.00	-34. 03	9. 46	-95. 16	0. 00
64	68	0. 000	0.00	0.00	-33. 94	9. 41	-95. 30	0. 00
	69	1. 000	0.00	0.00	-33. 94	9. 41	-129. 24	0. 00
65	69 70	0. 000 0. 013 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-33. 81 -33. 81 -33. 81	9. 33 9. 33 9. 33	-129. 36 -129. 80 -163. 17	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0.00	-0. 48	0. 34	-169. 90	0.00
	71	1. 000	0. 00	0.00	-0. 48	0. 34	-170. 37	0.00
67	71	0.000	0. 00	0.00	-0. 27	0. 20	-170. 42	0.00
	72	1.000	0. 00	0.00	-0. 27	0. 20	-170. 69	0.00
68	72	0. 000 0. 500	0. 00 0. 00	0.00 0.00	0.00 0.00	0.00 0.00	-170.70 -170.70	0. 00 0. 00
69	73	1. 000	0. 00	0. 00	0. 00	0. 00	-170. 70	0. 00
	73	0. 000	0. 00	0. 00	0. 27	-0. 20	-170. 69	0. 00
	74	1.000	0.00	0.00	0. 27	-0.20	-170. 42	0.00
70	74	0.000	0. 00	0. 00	0. 48	-0. 34	-170. 37	0. 00
	75	1.000	0. 00	0. 00	0. 48	-0. 34	-169. 90	0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	33. 81 33. 81 33. 81	-9. 33 -9. 33 -9. 33	-163. 17 -129. 80 -129. 36	0. 00 0. 00 0. 00
72	76	0. 000	0.00	0.00	33. 94	-9. 41	-129. 24	0. 00
	77	1. 000	0.00	0.00	33. 94	-9. 41	-95. 30	0. 00
73	77	0. 000	0. 00	0.00	34. 03	-9. 46	-95. 16	0. 00
	78	1. 000	0. 00	0.00	34. 03	-9. 46	-61. 13	0. 00
74	78	0. 000	0.00	0. 00	34. 07	-9. 47	-60. 98	0. 00
	79	0. 575	0.00	0. 00	34. 07	-9. 47	-41. 39	0. 00
75	79	0.000	0.00	0. 00	34. 07	-9. 46	-41. 25	0. 00
	80	0.900	0.00	0. 00	34. 07	-9. 46	-10. 59	0. 00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-8. 43 -8. 43	-10. 59 -10. 59	6. 97 2. 97	0. 00 0. 00
77	17	0.000	0.00	0. 00	-8. 43	-10. 59	2. 97	0. 00
	33	0.500	0.00	0. 00	-8. 43	-10. 59	-1. 24	0. 00
78	33	0.000	0.00	0. 00	-8. 43	-10. 59	-1. 24	0. 00
	49	0.500	0.00	0. 00	-8. 43	-10. 59	-5. 46	0. 00
79	49	0. 000	0.00	0. 00	-8. 43	-10. 59	-5. 46	0. 00
	65	0. 475	0.00	0. 00	-8. 43	-10. 59	-9. 46	0. 00
80	2	0. 000	0. 00	0.00	0. 00	-0. 14	-0. 02	0.00
	18	0. 475	0. 00	0.00	0. 00	-0. 14	-0. 02	0.00
81	18 34	0.000 0.500	0. 00 0. 00	0.00 0.00	0.00 0.00	-0.14 -0.14	-0. 02 -0. 01	0.00 0.00
82	34	0. 000	0.00	0. 00	0. 00	-0. 14	-0. 01	0. 00
	50	0. 500	0.00	0. 00	0. 00	-0. 14	-0. 01	0. 00
83	50	0.000	0.00	0.00	0.00	-0.14	-0.01	0.00

Case.	10 · X · 7	ス・スラ重(・	ス・ス)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0.00	0. 00	0. 03	-0. 15	-0. 02	0. 00
	51	0. 500	0.00	0. 00	0. 03	-0. 15	-0. 01	0. 00
87	51	0. 000	0. 00	0. 00	0. 03	-0. 15	-0. 01	0. 00
	67	0. 475	0. 00	0. 00	0. 03	-0. 15	0. 01	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 09 0. 09	-0. 14 -0. 14	-0. 13 -0. 08	0.00 0.00
89	20	0.000	0.00	0.00	0. 09	-0. 14	-0. 08	0. 00
	36	0.500	0.00	0.00	0. 09	-0. 14	-0. 04	0. 00
90	36	0. 000	0.00	0. 00	0. 09	-0. 14	-0. 04	0. 00
	52	0. 500	0.00	0. 00	0. 09	-0. 14	0. 01	0. 00
91	52	0. 000	0.00	0.00	0. 09	-0. 14	0. 01	0.00
	68	0. 475	0.00	0.00	0. 09	-0. 14	0. 06	0.00
92	5	0. 000	0.00	0. 00	0. 13	-0. 12	-0. 17	0. 00
	21	0. 475	0.00	0. 00	0. 13	-0. 12	-0. 11	0. 00
93	21	0. 000	0.00	0. 00	0. 13	-0. 12	-0. 11	0. 00
	37	0. 500	0.00	0. 00	0. 13	-0. 12	-0. 05	0. 00
94	37	0. 000	0.00	0.00	0. 13	-0. 12	-0. 05	0.00
	53	0. 500	0.00	0.00	0. 13	-0. 12	0. 01	0.00
95	53	0. 000	0.00	0. 00	0. 13	-0. 12	0. 01	0. 00
	69	0. 475	0.00	0. 00	0. 13	-0. 12	0. 07	0. 00
96	6	0. 000	0.00	0. 00	33. 34	-6. 73	-56. 01	0. 00
	22	0. 475	0.00	0. 00	33. 34	-6. 73	-40. 18	0. 00
97	22	0. 000	0.00	0. 00	33. 34	-6. 73	-40. 18	0. 00
	38	0. 500	0.00	0. 00	33. 34	-6. 73	-23. 51	0. 00
98	38	0. 000	0.00	0. 00	33. 34	-6. 73	-23. 51	0.00
	54	0. 500	0.00	0. 00	33. 34	-6. 73	-6. 85	0.00
99	54	0. 000	0.00	0. 00	33. 34	-6. 73	-6. 85	0. 00
	70	0. 475	0.00	0. 00	33. 34	-6. 73	8. 99	0. 00
100	7	0. 000	0.00	0.00	0. 21	-0. 04	-0. 27	0.00
	23	0. 475	0.00	0.00	0. 21	-0. 04	-0. 17	0.00
101	23	0.000	0.00	0.00	0. 21	-0. 04	-0. 17	0.00
	39	0.500	0.00	0.00	0. 21	-0. 04	-0. 06	0.00
102	39	0.000	0.00	0.00	0. 21	-0. 04	-0. 06	0.00
	55	0.500	0.00	0.00	0. 21	-0. 04	0. 04	0.00
103	55 71	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 21 0. 21	-0.04 -0.04	0. 04 0. 14	0.00 0.00
104	8 24	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 27 0. 27	-0.01 -0.01	-0. 32 -0. 19	0.00 0.00
105	24	0. 000	0.00	0.00	0. 27	-0. 01	-0. 19	0.00
	40	0. 500	0.00	0.00	0. 27	-0. 01	-0. 06	0.00
106	40 56	0. 000 0. 500	0.00 0.00	0.00 0.00	0. 27 0. 27	-0.01 -0.01	-0. 06 0. 07	0.00 0.00
107	56 72	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 27 0. 27	-0.01 -0.01	0. 07 0. 20	0.00 0.00
108	9	0. 000	0.00	0.00	0. 27	0. 01	-0. 32	0.00
	25	0. 475	0.00	0.00	0. 27	0. 01	-0. 19	0.00
109	25	0. 000	0. 00	0. 00	0. 27	0. 01	-0. 19	0. 00
	41	0. 500	0. 00	0. 00	0. 27	0. 01	-0. 06	0. 00
110	41	0. 000	0. 00	0. 00	0. 27	0. 01	-0. 06	0. 00
	57	0. 500	0. 00	0. 00	0. 27	0. 01	0. 07	0. 00
111	57	0. 000	0. 00	0. 00	0. 27	0. 01	0. 07	0. 00
	73	0. 475	0. 00	0. 00	0. 27	0. 01	0. 20	0. 00
112	10 26	0.000	0.00	0.00	0. 21	0.04	-0. 27 -0. 17	0.00

		ヘ・//里(・	Λ • Λ)					
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0. 00	0.00	0. 21	0. 04	0. 04	0. 00
	74	0. 475	0. 00	0.00	0. 21	0. 04	0. 14	0. 00
116	11	0. 000	0. 00	0. 00	33. 34	6. 73	-56. 01	0. 00
	27	0. 475	0. 00	0. 00	33. 34	6. 73	-40. 18	0. 00
117	27	0. 000	0.00	0. 00	33. 34	6. 73	-40. 18	0. 00
	43	0. 500	0.00	0. 00	33. 34	6. 73	-23. 51	0. 00
118	43	0.000	0.00	0. 00	33. 34	6. 73	-23. 51	0. 00
	59	0.500	0.00	0. 00	33. 34	6. 73	-6. 85	0. 00
119	59	0. 000	0. 00	0. 00	33. 34	6. 73	-6. 85	0. 00
	75	0. 475	0. 00	0. 00	33. 34	6. 73	8. 99	0. 00
120	12	0. 000	0.00	0.00	0. 13	0. 12	-0. 17	0. 00
	28	0. 475	0.00	0.00	0. 13	0. 12	-0. 11	0. 00
121	28	0.000	0.00	0.00	0. 13	0. 12	-0. 11	0. 00
	44	0.500	0.00	0.00	0. 13	0. 12	-0. 05	0. 00
122	44	0. 000	0.00	0.00	0. 13	0. 12	-0. 05	0.00
	60	0. 500	0.00	0.00	0. 13	0. 12	0. 01	0.00
123	60	0. 000	0.00	0.00	0. 13	0. 12	0. 01	0.00
	76	0. 475	0.00	0.00	0. 13	0. 12	0. 07	0.00
124	13	0. 000	0.00	0.00	0. 09	0. 14	-0. 13	0.00
	29	0. 475	0.00	0.00	0. 09	0. 14	-0. 08	0.00
125	29	0. 000	0.00	0. 00	0. 09	0. 14	-0. 08	0. 00
	45	0. 500	0.00	0. 00	0. 09	0. 14	-0. 04	0. 00
126	45	0. 000	0.00	0. 00	0. 09	0. 14	-0. 04	0.00
	61	0. 500	0.00	0. 00	0. 09	0. 14	0. 01	0.00
127	61	0. 000	0.00	0. 00	0. 09	0. 14	0. 01	0.00
	77	0. 475	0.00	0. 00	0. 09	0. 14	0. 06	0.00
128	14	0. 000	0. 00	0. 00	0. 03	0. 15	-0. 06	0. 00
	30	0. 475	0. 00	0. 00	0. 03	0. 15	-0. 04	0. 00
129	30	0. 000	0.00	0. 00	0. 03	0. 15	-0. 04	0.00
	46	0. 500	0.00	0. 00	0. 03	0. 15	-0. 02	0.00
130	46	0. 000	0. 00	0. 00	0. 03	0. 15	-0. 02	0. 00
	62	0. 500	0. 00	0. 00	0. 03	0. 15	-0. 01	0. 00
131	62	0. 000	0.00	0.00	0. 03	0. 15	-0. 01	0. 00
	78	0. 475	0.00	0.00	0. 03	0. 15	0. 01	0. 00
132	15	0. 000	0.00	0. 00	0. 00	0. 14	-0. 02	0.00
	31	0. 475	0.00	0. 00	0. 00	0. 14	-0. 02	0.00
133	31	0. 000	0. 00	0. 00	0. 00	0. 14	-0. 02	0. 00
	47	0. 500	0. 00	0. 00	0. 00	0. 14	-0. 01	0. 00
134	47	0. 000	0. 00	0. 00	0. 00	0. 14	-0. 01	0. 00
	63	0. 500	0. 00	0. 00	0. 00	0. 14	-0. 01	0. 00
135	63	0. 000	0.00	0. 00	0. 00	0. 14	-0. 01	0.00
	79	0. 475	0.00	0. 00	0. 00	0. 14	-0. 01	0.00
136	16	0. 000	0.00	0. 00	-8. 43	10. 59	6. 97	0. 00
	32	0. 475	0.00	0. 00	-8. 43	10. 59	2. 97	0. 00
137	32	0. 000	0. 00	0. 00	-8. 43	10. 59	2. 97	0. 00
	48	0. 500	0. 00	0. 00	-8. 43	10. 59	-1. 24	0. 00
138	48	0.000	0. 00	0. 00	-8. 43	10. 59	-1. 24	0. 00
	64	0.500	0. 00	0. 00	-8. 43	10. 59	-5. 46	0. 00
139	64	0. 000	0. 00	0. 00	-8. 43	10. 59	-5. 46	0. 00
	80	0. 475	0. 00	0. 00	-8. 43	10. 59	-9. 46	0. 00

Case. 11・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

27 0.000

26

0.00

0.00 0.00

0.00

Case.	. 11 · ス・.	スヤ包ソス・ス・	ス ・ス・ス・ス	• ス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0. 000 0. 900	0. 00 0. 00	0.00 0.00	-154. 81 -154. 81	112. 20 112. 20	131. 90 -7. 43	0. 00 0. 00
2	2	0. 000	0. 00	0. 00	-154. 63	112. 42	-5. 68	0.00
	3	0. 575	0. 00	0. 00	-154. 63	112. 42	-94. 60	0.00
3	3	0. 000	0. 00	0.00	-154. 73	112. 39	-92. 78	0. 00
	4	1. 000	0. 00	0.00	-154. 73	112. 39	-247. 51	0. 00
4	4	0. 000	0. 00	0. 00	-155. 36	111. 90	-245. 76	0. 00
	5	1. 000	0. 00	0. 00	-155. 36	111. 90	-401. 12	0. 00
5	5 6	0. 000 0. 013 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-156. 15 -156. 15 -156. 15	111. 30 111. 30 111. 30	-399. 65 -401. 68 -555. 80	0.00 0.00 0.00
6	6	0.000	0. 00	0. 00	3. 99	3. 48	-471. 93	0.00
	7	1.000	0. 00	0. 00	3. 99	3. 48	-467. 93	0.00
7	7	0.000	0. 00	0. 00	2. 38	2. 11	-467. 37	0. 00
	8	1.000	0. 00	0. 00	2. 38	2. 11	-465. 00	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00 0.00 0.00	0.00 0.00 0.00	-464. 81 -464. 81 -464. 81	0.00 0.00 0.00
9	9	0. 000	0. 00	0. 00	-2. 38	-2. 11	-465. 00	0. 00
	10	1. 000	0. 00	0. 00	-2. 38	-2. 11	-467. 37	0. 00
10	10	0. 000	0. 00	0. 00	-3. 99	-3. 48	-467. 93	0. 00
	11	1. 000	0. 00	0. 00	-3. 99	-3. 48	-471. 93	0. 00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	156. 15 156. 15 156. 15	-111. 30 -111. 30 -111. 30	-555. 80 -401. 68 -399. 65	0.00 0.00 0.00
12	12	0.000	0. 00	0.00	155. 36	-111. 90	-401. 12	0.00
	13	1.000	0. 00	0.00	155. 36	-111. 90	-245. 76	0.00
13	13	0. 000	0. 00	0.00	154. 73	-112. 39	-247. 51	0. 00
	14	1. 000	0. 00	0.00	154. 73	-112. 39	-92. 78	0. 00
14	14	0. 000	0. 00	0. 00	154. 63	-112. 42	-94. 60	0. 00
	15	0. 575	0. 00	0. 00	154. 63	-112. 42	-5. 68	0. 00
15	15	0.000	0. 00	0. 00	154. 81	-112. 20	-7. 43	0. 00
	16	0.900	0. 00	0. 00	154. 81	-112. 20	131. 90	0. 00
16	17	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	18	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
17	18	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	19	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
18	19	0. 000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
	20	1. 000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
19	20	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	21	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
20	21	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	22	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
21	22	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	23	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
22	23	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	24	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
23	24	0. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
	25	1. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
24	25	0. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
	26	1. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
25	26	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	27	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
0.0	0.5	0 000	0 0 0	0 0 0			0.00	0 00

0.00

Case. 11・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	11 · x ·	スヤ包ソス・ス・	ス ・ス・ス・ス	• Z				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	31	0. 575	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
30	31	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	32	0.900	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
31	33	0. 000	0. 00	0. 00	0.00	0.00	0.00	0. 00
	34	0. 900	0. 00	0. 00	0.00	0.00	0.00	0. 00
32	34	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	35	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44 45	0. 000 1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00
43	45 46	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	48 49	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
46 47	50 50	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00			
48	51 51	0. 000 0. 575 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
49	52 52	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
50	53 53	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
51	54	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56 56	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
54	57 57	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
54 55	58 58	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00			
JJ	50 50	1 000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 11・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	11 · ス・	スヤ包ソス・ス・。	ス・ス・ス・ス	• Z				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
	62	1. 000	0.00	0. 00	0.00	0.00	0.00	0. 00
59	62	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	63	0. 575	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
60	63	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	64	0.900	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
61	65	0.000	0.00	0.00	-25. 19	104. 93	-131. 90	0.00
	66	0.900	0.00	0.00	-25. 19	104. 93	-154. 57	0.00
62	66	0. 000	0.00	0.00	-25. 37	105. 05	-156. 32	0.00
	67	0. 575	0.00	0.00	-25. 37	105. 05	-170. 90	0.00
63	67	0.000	0.00	0.00	-25. 27	104. 87	-172. 72	0. 00
	68	1.000	0.00	0.00	-25. 27	104. 87	-197. 99	0. 00
64	68	0.000	0. 00	0.00	-24. 64	104. 14	-199. 74	0.00
	69	1.000	0. 00	0.00	-24. 64	104. 14	-224. 38	0.00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-23. 85 -23. 85 -23. 85	103. 21 103. 21 103. 21	-225. 85 -226. 16 -249. 70	0.00 0.00 0.00
66	70	0. 000	0. 00	0. 00	-3. 99	4. 31	-333. 57	0.00
	71	1. 000	0. 00	0. 00	-3. 99	4. 31	-337. 57	0.00
67	71	0. 000	0.00	0. 00	-2. 38	2. 52	-338. 13	0.00
	72	1. 000	0.00	0. 00	-2. 38	2. 52	-340. 50	0.00
68	72 73	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00 0.00 0.00	-340. 69 -340. 69 -340. 69	0. 00 0. 00 0. 00
69	73	0. 000	0. 00	0. 00	2. 38	-2. 52	-340. 50	0. 00
	74	1. 000	0. 00	0. 00	2. 38	-2. 52	-338. 13	0. 00
70	74	0. 000	0. 00	0.00	3. 99	-4. 31	-337. 57	0. 00
	75	1. 000	0. 00	0.00	3. 99	-4. 31	-333. 57	0. 00
71	75	0. 000 0. 987	0.00 0.00	0.00 0.00	23. 85 23. 85	-103. 21 -103. 21	-249. 70 -226. 16	0. 00 0. 00
72	76	1. 000	0. 00	0. 00	23. 85	-103. 21	-225. 85	0. 00
	76	0. 000	0. 00	0. 00	24. 64	-104. 14	-224. 38	0. 00
	77	1.000	0.00	0.00	24.64	-104. 14	-199. 74	0.00
73	77	0. 000	0. 00	0.00	25. 27	-104. 87	-197. 99	0. 00
	78	1. 000	0. 00	0.00	25. 27	-104. 87	-172. 72	0. 00
74	78	0.000	0.00	0. 00	25. 37	-105. 05	-170. 90	0.00
	79	0.575	0.00	0. 00	25. 37	-105. 05	-156. 32	0.00
75	79	0.000	0.00	0.00	25. 19	-104. 93	-154. 57	0.00
	80	0.900	0.00	0.00	25. 19	-104. 93	-131. 90	0.00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-111. 35 -111. 35	-131. 90 -131. 90	112. 20 59. 31	0.00 0.00
77	17	0.000	0. 00	0. 00	-111. 35	-131. 90	59. 31	0.00
	33	0.500	0. 00	0. 00	-111. 35	-131. 90	3. 64	0.00
78	33	0.000	0. 00	0.00	-111. 35	-131. 90	3. 64	0.00
	49	0.500	0. 00	0.00	-111. 35	-131. 90	-52. 04	0.00
79	49	0.000	0.00	0. 00	-111. 35	-131. 90	-52. 04	0.00
	65	0.475	0.00	0. 00	-111. 35	-131. 90	-104. 93	0.00
80	2	0. 000	0.00	0. 00	-0. 17	-1. 75	0. 22	0. 00
	18	0. 475	0.00	0. 00	-0. 17	-1. 75	0. 14	0. 00
81	18	0.000	0.00	0. 00	-0. 17	-1. 75	0. 14	0. 00
	34	0.500	0.00	0. 00	-0. 17	-1. 75	0. 05	0. 00
82	34	0.000	0.00	0. 00	-0. 17	-1. 75	0. 05	0. 00
	50	0.500	0.00	0. 00	-0. 17	-1. 75	-0. 04	0. 00
0.0	= 0	0 000	0.00	0.00			0.6:	0 00

83 50 0.000 0.00 0.00 -0.17 -1.75 -0.04 0.00

Case. 11・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	11 · X ·	スヤ包ソス・ス・	ス・ス・ス・ス	• ス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35 51	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 10 0. 10	-1. 82 -1. 82	0. 07 0. 13	0.00 0.00
87	51 67	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 10 0. 10	-1. 82 -1. 82	0. 13 0. 17	0.00 0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 63 0. 63	-1. 76 -1. 76	-0. 49 -0. 20	0. 00 0. 00
89	20 36	0.000 0.500	0. 00 0. 00	0. 00 0. 00	0. 63 0. 63	-1. 76 -1. 76	-0. 20 0. 12	0. 00 0. 00
90	36 52	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 63 0. 63	-1. 76 -1. 76	0. 12 0. 43	0. 00 0. 00
91	52 68	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 63 0. 63	-1. 76 -1. 76	0. 43 0. 73	0. 00 0. 00
92	5 21	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 79 0. 79	-1. 47 -1. 47	-0. 60 -0. 23	0. 00 0. 00
93	21 37	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 79 0. 79	-1. 47 -1. 47	-0. 23 0. 17	0. 00 0. 00
94	37 53	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 79 0. 79	-1. 47 -1. 47	0. 17 0. 56	0. 00 0. 00
95	53 69	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 79 0. 79	-1. 47 -1. 47	0. 56 0. 93	0. 00 0. 00
96	6 22	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	19. 86 19. 86	-83. 88 -83. 88	60. 18 69. 61	0. 00 0. 00
97 98	22 38 38	0. 000 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	19. 86 19. 86 19. 86	-83. 88 -83. 88 -83. 88	69. 61 79. 54 79. 54	0. 00 0. 00 0. 00
98	54 54	0. 000 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	19. 86 19. 86	-83. 88 -83. 88	89. 47 89. 47	0. 00 0. 00 0. 00
	70 7	0. 000 0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	19.86	-83. 88 -8. 56	98. 90	0. 00 0. 00 0. 00
100 101	23 23	0. 000 0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	1. 62 1. 62 1. 62	-0. 56 -0. 56	-1. 37 -0. 60 -0. 60	0. 00 0. 00 0. 00
101	39 39	0. 500 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	1. 62 1. 62 1. 62	-0. 56 -0. 56	0. 21 0. 21	0. 00 0. 00 0. 00
102	55 55	0. 500 0. 500 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	1. 62 1. 62 1. 62	-0. 56 -0. 56	1. 02 1. 02	0. 00 0. 00 0. 00
103	71 8	0. 475 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	1. 62 1. 62 2. 38	-0. 56 -0. 19	1. 78 1. 78 -2. 11	0. 00 0. 00 0. 00
104	24 24	0. 475 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	2. 38 2. 38	-0. 19 -0. 19	-0. 98 -0. 98	0. 00 0. 00 0. 00
106	40 40	0. 500 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	-0. 19 -0. 19	0. 21 0. 21	0.00
107	56 56	0. 500 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	-0. 19 -0. 19	1. 40 1. 40	0. 00 0. 00
108	72 9	0. 475 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	-0. 19 0. 19	2. 52 -2. 11	0.00
109	25 25	0. 475 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	0. 19 0. 19	-0. 98 -0. 98	0.00
110	41 41	0. 500 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	0. 19 0. 19	0. 21 0. 21	0. 00 0. 00
111	57 57	0. 500 0. 000	0.00	0. 00 0. 00	2. 38 2. 38	0. 19 0. 19	1. 40 1. 40	0.00
111	73 10	0. 475 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	2. 38 2. 38 1. 62	0. 19 0. 56	2. 52 -1. 37	0. 00 0. 00 0. 00
114	26	0.000	0.00	0.00	1.62	0.56	-0 60	0.00

Case. 11・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case	. 11・ス・フ	マヤ包ソス・ス・	ス・ス・ス・ス	• ス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0. 00	0. 00	1. 62	0. 56	1. 02	0. 00
	74	0. 475	0. 00	0. 00	1. 62	0. 56	1. 78	0. 00
116	11	0.000	0.00	0.00	19. 86	83. 88	60. 18	0.00
	27	0.475	0.00	0.00	19. 86	83. 88	69. 61	0.00
117	27	0.000	0.00	0.00	19. 86	83. 88	69. 61	0.00
	43	0.500	0.00	0.00	19. 86	83. 88	79. 54	0.00
118	43	0.000	0. 00	0.00	19. 86	83. 88	79. 54	0.00
	59	0.500	0. 00	0.00	19. 86	83. 88	89. 47	0.00
119	59	0.000	0. 00	0.00	19. 86	83. 88	89. 47	0.00
	75	0.475	0. 00	0.00	19. 86	83. 88	98. 90	0.00
120	12	0.000	0. 00	0.00	0. 79	1. 47	-0.60	0.00
	28	0.475	0. 00	0.00	0. 79	1. 47	-0.23	0.00
121	28	0.000	0. 00	0.00	0. 79	1. 47	-0. 23	0.00
	44	0.500	0. 00	0.00	0. 79	1. 47	0. 17	0.00
122	44	0.000	0. 00	0.00	0. 79	1. 47	0. 17	0. 00
	60	0.500	0. 00	0.00	0. 79	1. 47	0. 56	0. 00
123	60	0. 000	0.00	0.00	0. 79	1. 47	0. 56	0.00
	76	0. 475	0.00	0.00	0. 79	1. 47	0. 93	0.00
124	13	0. 000	0.00	0.00	0. 63	1. 76	-0. 49	0.00
	29	0. 475	0.00	0.00	0. 63	1. 76	-0. 20	0.00
125	29	0.000	0.00	0. 00	0. 63	1. 76	-0. 20	0. 00
	45	0.500	0.00	0. 00	0. 63	1. 76	0. 12	0. 00
126	45	0.000	0.00	0.00	0. 63	1. 76	0. 12	0.00
	61	0.500	0.00	0.00	0. 63	1. 76	0. 43	0.00
127	61	0.000	0. 00	0.00	0. 63	1. 76	0. 43	0.00
	77	0.475	0. 00	0.00	0. 63	1. 76	0. 73	0.00
128	14	0.000	0. 00	0.00	0. 10	1.82	-0. 03	0. 00
	30	0.475	0. 00	0.00	0. 10	1.82	0. 02	0. 00
129	30	0.000	0. 00	0.00	0. 10	1.82	0. 02	0.00
	46	0.500	0. 00	0.00	0. 10	1.82	0. 07	0.00
130	46	0.000	0. 00	0.00	0. 10	1.82	0. 07	0.00
	62	0.500	0. 00	0.00	0. 10	1.82	0. 13	0.00
131	62	0.000	0. 00	0.00	0. 10	1. 82	0. 13	0.00
	78	0.475	0. 00	0.00	0. 10	1. 82	0. 17	0.00
132	15	0.000	0. 00	0.00	-0. 17	1. 75	0. 22	0.00
	31	0.475	0. 00	0.00	-0. 17	1. 75	0. 14	0.00
133	31	0.000	0. 00	0. 00	-0. 17	1. 75	0. 14	0.00
	47	0.500	0. 00	0. 00	-0. 17	1. 75	0. 05	0.00
134	47	0.000	0. 00	0. 00	-0. 17	1. 75	0. 05	0. 00
	63	0.500	0. 00	0. 00	-0. 17	1. 75	-0. 04	0. 00
135	63	0.000	0. 00	0. 00	-0. 17	1. 75	-0. 04	0.00
	79	0.475	0. 00	0. 00	-0. 17	1. 75	-0. 12	0.00
136	16	0.000	0. 00	0. 00	-111. 35	131. 90	112. 20	0. 00
	32	0.475	0. 00	0. 00	-111. 35	131. 90	59. 31	0. 00
137	32	0.000	0. 00	0.00	-111. 35	131. 90	59. 31	0.00
	48	0.500	0. 00	0.00	-111. 35	131. 90	3. 64	0.00
138	48	0.000	0. 00	0.00	-111. 35	131. 90	3. 64	0.00
	64	0.500	0. 00	0.00	-111. 35	131. 90	-52. 04	0.00
139	64	0.000	0. 00	0.00	-111. 35	131. 90	-52. 04	0.00
	80	0.475	0. 00	0.00	-111. 35	131. 90	-104. 93	0.00

Case.	12 · x ·	スヤ包ソス・ス・	ス ・ス・ス・ス	• 7				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0. 000 0. 900	0.00 0.00	0. 00 0. 00	-67. 12 -67. 12	13. 54 13. 54	20. 32 -40. 09	0. 00 0. 00
2	2 3	0. 000 0. 575	0. 00 0. 00	0.00 0.00	-67. 12 -67. 12	13. 51 13. 51	-39. 82 -78. 41	0. 00 0. 00
3	3	0. 000	0.00	0.00	-67. 19	13. 41	-78. 13	0. 00
	4	1. 000	0.00	0.00	-67. 19	13. 41	-145. 32	0. 00
4	4	0. 000	0.00	0.00	-67. 36	13. 17	-145. 05	0. 00
	5	1. 000	0.00	0.00	-67. 36	13. 17	-212. 41	0. 00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-67. 60 -67. 60 -67. 60	12. 85 12. 85 12. 85	-212. 18 -213. 06 -279. 79	0.00 0.00 0.00
6	6	0. 000	0.00	0. 00	0. 90	1. 10	-266. 87	0.00
	7	1. 000	0.00	0. 00	0. 90	1. 10	-265. 97	0.00
7	7	0. 000	0.00	0. 00	0. 51	0. 61	-265. 89	0. 00
	8	1. 000	0.00	0. 00	0. 51	0. 61	-265. 38	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00 0.00 0.00	0.00 0.00 0.00	-265. 35 -265. 35 -265. 35	0.00 0.00 0.00
9	9	0. 000	0.00	0. 00	-0. 51	-0. 61	-265. 38	0.00
	10	1. 000	0.00	0. 00	-0. 51	-0. 61	-265. 89	0.00
10	10	0. 000	0.00	0.00	-0. 90	-1. 10	-265. 97	0. 00
	11	1. 000	0.00	0.00	-0. 90	-1. 10	-266. 87	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	67. 60 67. 60 67. 60	-12. 85 -12. 85 -12. 85	-279. 79 -213. 06 -212. 18	0. 00 0. 00 0. 00
12	12	0. 000	0. 00	0. 00	67. 36	-13. 17	-212. 41	0. 00
	13	1. 000	0. 00	0. 00	67. 36	-13. 17	-145. 05	0. 00
13	13	0. 000	0.00	0.00	67. 19	-13. 41	-145. 32	0. 00
	14	1. 000	0.00	0.00	67. 19	-13. 41	-78. 13	0. 00
14	14	0. 000	0.00	0.00	67. 12	-13. 51	-78. 41	0.00
	15	0. 575	0.00	0.00	67. 12	-13. 51	-39. 82	0.00
15	15	0. 000	0.00	0.00	67. 12	-13. 54	-40. 09	0.00
	16	0. 900	0.00	0.00	67. 12	-13. 54	20. 32	0.00
16	17	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0.00
	18	0. 900	0.00	0. 00	0. 00	0. 00	0. 00	0.00
17	18	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	19	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
18	19	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	20	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
19	20	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	21	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
20	21	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	22	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
21	22	0. 000	0.00	0.00	0.00	0. 00	0. 00	0.00
	23	1. 000	0.00	0.00	0.00	0. 00	0. 00	0.00
22	23	0. 000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
	24	1. 000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
23	24	0.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	25	1.000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
24	25	0.000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
	26	1.000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
25	26	0. 000	0. 00	0.00	0.00	0.00	0.00	0. 00
	27	1. 000	0. 00	0.00	0.00	0.00	0.00	0. 00

26 27 0.000 0.00 0.00 0.00 0.00 0.00 0.00

Case. 12・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	12 · x ·	スヤ包ソス・ス・	ス ・ス・ス・ス	• ス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0. 00	0. 00	0. 00	0. 00	0.00
	31	0. 575	0.00	0. 00	0. 00	0. 00	0. 00	0.00
30	31	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	32	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
31	33	0. 000	0. 00	0. 00	0.00	0.00	0.00	0. 00
	34	0. 900	0. 00	0. 00	0.00	0.00	0.00	0. 00
32	34	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	35	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44 45	0. 000 1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00
43	45 46	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	48 49	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
46 47	50 50	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00			
48	51 51	0. 000 0. 575 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
49	52 52	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
50	53 53	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
51	54	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56 56	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
54	57 57	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
54 55	58 58	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0.00			
JJ	50 50	1 000	0.00	0.00	0.00	0.00	0.00	0.00

50

0.000

0.00

Case. 12・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	12 · x · 7	マヤ包ソス・ス・ン	ス ・ス・ス・ス	• Z				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61 62	0.000 1.000	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0.00 0.00	0. 00 0. 00
59	62 63	0. 000 0. 575	0. 00 0. 00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
60	63 64	0.000 0.900	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
61	65 66	0.000 0.900	0. 00 0. 00	0.00 0.00	-62. 88 -62. 88	18. 07 18. 07	-20. 32 -76. 91	0. 00 0. 00
62	66 67	0. 000 0. 575	0.00 0.00	0.00 0.00	-62. 88 -62. 88	18. 10 18. 10	-77. 18 -113. 34	0. 00 0. 00
63	67 68	0.000 1.000	0.00 0.00	0.00 0.00	-62. 81 -62. 81	18. 08 18. 08	-113. 62 -176. 43	0. 00 0. 00
64	68 69	0.000 1.000	0.00 0.00	0.00 0.00	-62. 64 -62. 64	17. 97 17. 97	-176. 70 -239. 34	0. 00 0. 00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-62. 40 -62. 40 -62. 40	17. 83 17. 83 17. 83	-239. 57 -240. 38 -301. 96	0. 00 0. 00 0. 00
66	70 71	0.000 1.000	0. 00 0. 00	0.00 0.00	-0. 90 -0. 90	0.66 0.66	-314. 88 -315. 78	0. 00 0. 00
67	71 72	0.000 1.000	0. 00 0. 00	0.00 0.00	-0. 51 -0. 51	0. 38 0. 38	-315. 86 -316. 37	0. 00 0. 00
68	72 73	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-316. 40 -316. 40 -316. 40	0.00 0.00 0.00
69	73 74	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00	0. 51 0. 51	-0. 38 -0. 38	-316. 37 -315. 86	0. 00 0. 00 0. 00
70	74 75	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 90 0. 90	-0. 66 -0. 66	-315. 78 -314. 88	0. 00 0. 00
71	75	0. 000 0. 987	0. 00 0. 00	0. 00 0. 00	62. 40 62. 40	-17. 83 -17. 83	-301. 96 -240. 38	0. 00 0. 00
	76	1. 000	0.00	0.00	62. 40	-17. 83	-239. 57	0.00
72	76 77	0.000 1.000	0. 00 0. 00	0. 00 0. 00	62. 64 62. 64	-17. 97 -17. 97	-239. 34 -176. 70	0. 00 0. 00
73	77 78	0.000 1.000	0. 00 0. 00	0. 00 0. 00	62. 81 62. 81	-18. 08 -18. 08	-176. 43 -113. 62	0. 00 0. 00
74	78 79	0. 000 0. 575	0. 00 0. 00	0. 00 0. 00	62. 88 62. 88	-18. 10 -18. 10	-113. 34 -77. 18	0. 00 0. 00
75	79 80	0. 000 0. 900	0. 00 0. 00	0. 00 0. 00	62. 88 62. 88	-18. 07 -18. 07	-76. 91 -20. 32	0. 00 0. 00
76	1 17	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-16. 21 -16. 21	-20. 32 -20. 32	13. 54 5. 84	0. 00 0. 00
77	17 33	0.000 0.500	0.00 0.00	0.00 0.00	-16. 21 -16. 21	-20. 32 -20. 32	5. 84 -2. 27	0. 00 0. 00
78	33 49	0.000 0.500	0.00 0.00	0.00 0.00	-16. 21 -16. 21	-20. 32 -20. 32	-2.27 -10.37	0. 00 0. 00
79	49 65	0. 000 0. 475	0.00 0.00	0.00 0.00	-16. 21 -16. 21	-20. 32 -20. 32	-10. 37 -18. 07	0. 00 0. 00
80	2 18	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0.00 0.00	-0. 27 -0. 27	-0.03 -0.03	0. 00 0. 00
81	18 34	0.000 0.500	0.00 0.00	0.00 0.00	0.00 0.00	-0. 27 -0. 27	-0.03 -0.03	0. 00 0. 00
82	34 50	0.000 0.500	0.00 0.00	0.00 0.00	0. 00 0. 00	-0. 27 -0. 27	-0. 03 -0. 03	0. 00 0. 00
0.0	= 0	0 000	0.00	0.00	0.60		0.00	0 00

0.00

0.00 0.00 -0.27 -0.03

Case. 12・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case.	12 · x ·	スヤ包ソス・ス・	ス・ス・ス・ス	• Z				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0. 00	0. 00	0. 06	-0. 28	-0. 04	0. 00
	51	0.500	0. 00	0. 00	0. 06	-0. 28	-0. 01	0. 00
87	51	0. 000	0. 00	0. 00	0. 06	-0. 28	-0. 01	0. 00
	67	0. 475	0. 00	0. 00	0. 06	-0. 28	0. 02	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 18 0. 18	-0. 27 -0. 27	-0. 24 -0. 15	0. 00 0. 00
89	20	0.000	0. 00	0.00	0. 18	-0. 27	-0. 15	0.00
	36	0.500	0. 00	0.00	0. 18	-0. 27	-0. 06	0.00
90	36	0. 000	0. 00	0.00	0. 18	-0. 27	-0. 06	0. 00
	52	0. 500	0. 00	0.00	0. 18	-0. 27	0. 02	0. 00
91	52	0. 000	0. 00	0.00	0. 18	-0. 27	0. 02	0.00
	68	0. 475	0. 00	0.00	0. 18	-0. 27	0. 11	0.00
92	5	0. 000	0. 00	0.00	0. 24	-0. 23	-0. 32	0. 00
	21	0. 475	0. 00	0.00	0. 24	-0. 23	-0. 21	0. 00
93	21	0. 000	0. 00	0. 00	0. 24	-0. 23	-0. 21	0. 00
	37	0. 500	0. 00	0. 00	0. 24	-0. 23	-0. 09	0. 00
94	37	0. 000	0. 00	0. 00	0. 24	-0. 23	-0. 09	0. 00
	53	0. 500	0. 00	0. 00	0. 24	-0. 23	0. 03	0. 00
95	53	0. 000	0. 00	0. 00	0. 24	-0. 23	0. 03	0. 00
	69	0. 475	0. 00	0. 00	0. 24	-0. 23	0. 14	0. 00
96	6	0. 000	0. 00	0. 00	61. 50	-12. 91	-102. 75	0. 00
	22	0. 475	0. 00	0. 00	61. 50	-12. 91	-73. 54	0. 00
97	22	0. 000	0. 00	0.00	61. 50	-12. 91	-73. 54	0. 00
	38	0. 500	0. 00	0.00	61. 50	-12. 91	-42. 79	0. 00
98	38	0. 000	0. 00	0.00	61. 50	-12. 91	-42. 79	0. 00
	54	0. 500	0. 00	0.00	61. 50	-12. 91	-12. 04	0. 00
99	54	0. 000	0.00	0.00	61. 50	-12. 91	-12. 04	0. 00
	70	0. 475	0.00	0.00	61. 50	-12. 91	17. 17	0. 00
100	7	0. 000	0.00	0.00	0. 40	-0. 09	-0. 50	0. 00
	23	0. 475	0.00	0.00	0. 40	-0. 09	-0. 31	0. 00
101	23	0. 000	0. 00	0.00	0. 40	-0. 09	-0. 31	0. 00
	39	0. 500	0. 00	0.00	0. 40	-0. 09	-0. 11	0. 00
102	39	0. 000	0. 00	0. 00	0. 40	-0. 09	-0. 11	0. 00
	55	0. 500	0. 00	0. 00	0. 40	-0. 09	0. 09	0. 00
103	55	0. 000	0. 00	0.00	0. 40	-0. 09	0. 09	0. 00
	71	0. 475	0. 00	0.00	0. 40	-0. 09	0. 27	0. 00
104	8	0. 000	0. 00	0.00	0. 51	-0. 03	-0. 61	0. 00
	24	0. 475	0. 00	0.00	0. 51	-0. 03	-0. 36	0. 00
105	24	0. 000	0. 00	0.00	0. 51	-0. 03	-0.36	0. 00
	40	0. 500	0. 00	0.00	0. 51	-0. 03	-0.11	0. 00
106	40	0. 000	0.00	0. 00	0. 51	-0. 03	-0. 11	0. 00
	56	0. 500	0.00	0. 00	0. 51	-0. 03	0. 14	0. 00
107	56	0. 000	0. 00	0.00	0. 51	-0. 03	0. 14	0. 00
	72	0. 475	0. 00	0.00	0. 51	-0. 03	0. 38	0. 00
108	9	0. 000	0. 00	0.00	0. 51	0. 03	-0. 61	0. 00
	25	0. 475	0. 00	0.00	0. 51	0. 03	-0. 36	0. 00
109	25	0. 000	0. 00	0. 00	0. 51	0. 03	-0. 36	0.00
	41	0. 500	0. 00	0. 00	0. 51	0. 03	-0. 11	0.00
110	41	0. 000	0. 00	0. 00	0. 51	0. 03	-0. 11	0.00
	57	0. 500	0. 00	0. 00	0. 51	0. 03	0. 14	0.00
111	57	0. 000	0.00	0. 00	0. 51	0. 03	0. 14	0.00
	73	0. 475	0.00	0. 00	0. 51	0. 03	0. 38	0.00
112	10 26	0.000	0.00	0.00	0.40	0.09	-0.50 -0.31	0.00

断面力データ

Case. 12・ス・スヤ包ソス・ス・ス ・ス・ス・ス・ス

Case	. 12 · ス・フ	マヤ包ソス・ス・	ス・ス・ス・ス	• ス				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0.00	0. 00	0. 40	0. 09	0. 09	0. 00
	74	0. 475	0.00	0. 00	0. 40	0. 09	0. 27	0. 00
116	11	0. 000	0. 00	0.00	61. 50	12. 91	-102. 75	0.00
	27	0. 475	0. 00	0.00	61. 50	12. 91	-73. 54	0.00
117	27	0.000	0. 00	0.00	61. 50	12. 91	-73. 54	0.00
	43	0.500	0. 00	0.00	61. 50	12. 91	-42. 79	0.00
118	43	0.000	0.00	0. 00	61. 50	12. 91	-42. 79	0.00
	59	0.500	0.00	0. 00	61. 50	12. 91	-12. 04	0.00
119	59	0. 000	0.00	0. 00	61. 50	12. 91	-12. 04	0. 00
	75	0. 475	0.00	0. 00	61. 50	12. 91	17. 17	0. 00
120	12	0.000	0.00	0. 00	0. 24	0. 23	-0. 32	0.00
	28	0.475	0.00	0. 00	0. 24	0. 23	-0. 21	0.00
121	28	0.000	0.00	0. 00	0. 24	0. 23	-0. 21	0.00
	44	0.500	0.00	0. 00	0. 24	0. 23	-0. 09	0.00
122	44	0.000	0. 00	0. 00	0. 24	0. 23	-0. 09	0. 00
	60	0.500	0. 00	0. 00	0. 24	0. 23	0. 03	0. 00
123	60	0.000	0. 00	0. 00	0. 24	0. 23	0. 03	0. 00
	76	0.475	0. 00	0. 00	0. 24	0. 23	0. 14	0. 00
124	13	0. 000	0.00	0.00	0. 18	0. 27	-0. 24	0.00
	29	0. 475	0.00	0.00	0. 18	0. 27	-0. 15	0.00
125	29	0.000	0.00	0.00	0. 18	0. 27	-0. 15	0.00
	45	0.500	0.00	0.00	0. 18	0. 27	-0. 06	0.00
126	45	0.000	0. 00	0.00	0. 18	0. 27	-0. 06	0.00
	61	0.500	0. 00	0.00	0. 18	0. 27	0. 02	0.00
127	61	0. 000	0. 00	0.00	0. 18	0. 27	0. 02	0.00
	77	0. 475	0. 00	0.00	0. 18	0. 27	0. 11	0.00
128	14	0.000	0. 00	0. 00	0. 06	0. 28	-0. 10	0. 00
	30	0.475	0. 00	0. 00	0. 06	0. 28	-0. 07	0. 00
129	30	0.000	0. 00	0.00	0. 06	0. 28	-0. 07	0.00
	46	0.500	0. 00	0.00	0. 06	0. 28	-0. 04	0.00
130	46 62	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 06 0. 06	0. 28 0. 28	-0.04 -0.01	0.00 0.00
131	62	0.000	0. 00	0. 00	0. 06	0. 28	-0. 01	0. 00
	78	0.475	0. 00	0. 00	0. 06	0. 28	0. 02	0. 00
132	15	0.000	0. 00	0.00	0.00	0. 27	-0. 03	0.00
	31	0.475	0. 00	0.00	0.00	0. 27	-0. 03	0.00
133	31	0.000	0. 00	0.00	0.00	0. 27	-0. 03	0.00
	47	0.500	0. 00	0.00	0.00	0. 27	-0. 03	0.00
134	47	0.000	0.00	0.00	0.00	0. 27	-0. 03	0.00
	63	0.500	0.00	0.00	0.00	0. 27	-0. 03	0.00
135	63	0. 000	0. 00	0.00	0.00	0. 27	-0. 03	0.00
	79	0. 475	0. 00	0.00	0.00	0. 27	-0. 02	0.00
136	16	0. 000	0. 00	0.00	-16. 21	20. 32	13. 54	0.00
	32	0. 475	0. 00	0.00	-16. 21	20. 32	5. 84	0.00
137	32	0.000	0. 00	0.00	-16. 21	20. 32	5. 84	0.00
	48	0.500	0. 00	0.00	-16. 21	20. 32	-2. 27	0.00
138	48	0.000	0. 00	0.00	-16. 21	20. 32	-2. 27	0.00
	64	0.500	0. 00	0.00	-16. 21	20. 32	-10. 37	0.00
139	64	0. 000	0. 00	0.00	-16. 21	20. 32	-10. 37	0. 00
	80	0. 475	0. 00	0.00	-16. 21	20. 32	-18. 07	0. 00

Case.	13 • スQ •	・スW・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0. 000	0.00	0. 00	-369. 02	361. 41	413. 09	0.00
	2	0. 900	0.00	0. 00	-369. 02	361. 41	80. 97	0.00
2	2	0. 000	0.00	0. 00	-368. 39	362. 27	86. 44	0.00
	3	0. 575	0.00	0. 00	-368. 39	362. 27	-125. 38	0.00
3	$\begin{array}{c} 3 \\ 4 \end{array}$	0.000 1.000	0.00 0.00	0.00 0.00	-368. 58 -368. 58	362. 45 362. 45	-119. 70 -488. 28	0.00 0.00
4	4	0.000	0.00	0.00	-370. 34	361. 34	-482. 78	0.00
	5	1.000	0.00	0.00	-370. 34	361. 34	-853. 12	0.00
5	5 6	0.000 0.013 1.000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-372. 48 -372. 48 -372. 48	360. 07 360. 07 360. 07	-848. 52 -853. 36 -1221. 01	0. 00 0. 00 0. 00
6	6	0. 000	0.00	0.00	11. 74	9. 37	-958. 29	0.00
	7	1. 000	0.00	0.00	11. 74	9. 37	-946. 55	0.00
7	7	0. 000	0. 00	0.00	7. 07	5. 86	-944. 80	0.00
	8	1. 000	0. 00	0.00	7. 07	5. 86	-937. 73	0.00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-937. 15 -937. 15 -937. 15	0. 00 0. 00 0. 00
9	9	0. 000	0. 00	0. 00	-7. 07	-5. 86	-937. 73	0.00
	10	1. 000	0. 00	0. 00	-7. 07	-5. 86	-944. 80	0.00
10	10	0.000	0.00	0. 00	-11. 74	-9. 37	-946. 55	0.00
	11	1.000	0.00	0. 00	-11. 74	-9. 37	-958. 29	0.00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	372. 48 372. 48 372. 48	-360. 07 -360. 07 -360. 07	-1221. 01 -853. 36 -848. 52	0. 00 0. 00 0. 00
12	12	0.000	0.00	0.00	370. 34	-361. 34	-853. 12	0.00
	13	1.000	0.00	0.00	370. 34	-361. 34	-482. 78	0.00
13	13	0. 000	0.00	0.00	368. 58	-362. 45	-488. 28	0.00
	14	1. 000	0.00	0.00	368. 58	-362. 45	-119. 70	0.00
14	14	0. 000	0. 00	0.00	368. 39	-362. 27	-125. 38	0.00
	15	0. 575	0. 00	0.00	368. 39	-362. 27	86. 44	0.00
15	15	0.000	0.00	0.00	369. 02	-361. 41	80. 97	0.00
	16	0.900	0.00	0.00	369. 02	-361. 41	413. 09	0.00
16	17	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.900	0.00	0.00	0.00	0.00	0.00	0.00
17	18	0. 000	0. 00	0.00	0.00	0.00	0.00	0.00
	19	0. 575	0. 00	0.00	0.00	0.00	0.00	0.00
18	19	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	20	1.000	0.00	0.00	0.00	0.00	0.00	0.00
19	20	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	21	1.000	0.00	0.00	0.00	0.00	0.00	0.00
20	21	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	22	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
21	22	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	23	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
22	23	0. 000	0. 00	0. 00	0.00	0. 00	0.00	0. 00
	24	1. 000	0. 00	0. 00	0.00	0. 00	0.00	0. 00
23	24	0. 000	0. 00	0.00	0.00	0.00	0.00	0.00
	25	1. 000	0. 00	0.00	0.00	0.00	0.00	0.00
24	25	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	26	1.000	0. 00	0.00	0.00	0.00	0.00	0.00
25	26	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	27	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
26	27	0.000	0.00	0.00	0.00	0.00	0.00	0.00

		スW・スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	31	0.575	0.00	0.00	0.00	0.00	0.00	0. 00
30	31	0.000	0.00	0. 00	0.00	0.00	0. 00	0. 00
	32	0.900	0.00	0. 00	0.00	0.00	0. 00	0. 00
31	33	0. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
	34	0. 900	0. 00	0.00	0.00	0.00	0. 00	0. 00
32	34	0. 000	0. 00	0.00	0.00	0.00	0.00	0. 00
	35	0. 575	0. 00	0.00	0.00	0.00	0.00	0. 00
33	35	0.000	0. 00	0.00	0.00	0.00	0. 00	0. 00
	36	1.000	0. 00	0.00	0.00	0.00	0. 00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44 45	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00
43	45	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	46	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	48	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
46	49	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	50	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
47	50	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	51	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
48	51	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	52	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
49	52	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	53	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
50	53	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	54	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
51	54	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	55	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
52	55	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	56	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
53	56	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
54	57 58	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case.	13 • スQ •	スW・スラ <u>重</u>						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	62	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
59	62	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	63	0. 575	0.00	0.00	0.00	0.00	0.00	0. 00
60	63	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	64	0. 900	0.00	0.00	0.00	0.00	0.00	0. 00
61	65	0. 000	0.00	0.00	79. 02	323. 50	-413. 09	0. 00
	66	0. 900	0.00	0.00	79. 02	323. 50	-341. 97	0. 00
62	66	0. 000	0. 00	0.00	78. 39	323. 87	-347. 44	0.00
	67	0. 575	0. 00	0.00	78. 39	323. 87	-302. 37	0.00
63	67	0. 000	0. 00	0. 00	78. 58	323. 31	-308. 05	0. 00
	68	1. 000	0. 00	0. 00	78. 58	323. 31	-229. 47	0. 00
64	68	0. 000	0. 00	0.00	80. 34	321. 00	-234. 97	0. 00
	69	1. 000	0. 00	0.00	80. 34	321. 00	-154. 63	0. 00
65	69 70	0.000 0.013 1.000	0.00 0.00 0.00	0. 00 0. 00 0. 00	82. 48 82. 48 82. 48	318. 09 318. 09 318. 09	-159. 23 -158. 16 -76. 74	0. 00 0. 00 0. 00
66	70	0.000	0.00	0.00	-11. 74	13. 51	-339. 46	0.00
	71	1.000	0.00	0.00	-11. 74	13. 51	-351. 20	0.00
67	71	0.000	0. 00	0.00	-7. 07	7. 92	-352. 95	0. 00
	72	1.000	0. 00	0.00	-7. 07	7. 92	-360. 02	0. 00
68	72 73	0. 000 0. 500 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 00 0. 00 0. 00	-360. 60 -360. 60 -360. 60	0.00 0.00 0.00
69	73	0. 000	0. 00	0. 00	7. 07	-7. 92	-360. 02	0. 00
	74	1. 000	0. 00	0. 00	7. 07	-7. 92	-352. 95	0. 00
70	74	0. 000	0. 00	0.00	11. 74	-13. 51	-351. 20	0. 00
	75	1. 000	0. 00	0.00	11. 74	-13. 51	-339. 46	0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-82. 48 -82. 48 -82. 48	-318. 09 -318. 09 -318. 09	-76. 74 -158. 16 -159. 23	0. 00 0. 00 0. 00
72	76	0. 000	0. 00	0.00	-80. 34	-321. 00	-154. 63	0. 00
	77	1. 000	0. 00	0.00	-80. 34	-321. 00	-234. 97	0. 00
73	77	0. 000	0. 00	0.00	-78. 58	-323. 31	-229. 47	0. 00
	78	1. 000	0. 00	0.00	-78. 58	-323. 31	-308. 05	0. 00
74	78	0. 000	0. 00	0.00	-78.39	-323. 87	-302.37	0. 00
	79	0. 575	0. 00	0.00	-78.39	-323. 87	-347.44	0. 00
75	79	0.000	0. 00	0.00	-79. 02	-323.50	-341. 97	0.00
	80	0.900	0. 00	0.00	-79. 02	-323.50	-413. 09	0.00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-351. 24 -351. 24	-413. 09 -413. 09	361. 41 194. 57	0.00 0.00
77	17	0. 000	0. 00	0.00	-351. 24	-413. 09	194. 57	0.00
	33	0. 500	0. 00	0.00	-351. 24	-413. 09	18. 95	0.00
78	33	0.000	0. 00	0.00	-351. 24	-413. 09	18. 95	0.00
	49	0.500	0. 00	0.00	-351. 24	-413. 09	-156. 67	0.00
79	49	0. 000	0. 00	0.00	-351. 24	-413. 09	-156. 67	0.00
	65	0. 475	0. 00	0.00	-351. 24	-413. 09	-323. 50	0.00
80	2	0. 000	0. 00	0.00	-0. 63	-5. 47	0. 86	0.00
	18	0. 475	0. 00	0.00	-0. 63	-5. 47	0. 56	0.00
81	18	0.000	0. 00	0.00	-0.63	-5. 47	0. 56	0.00
	34	0.500	0. 00	0.00	-0.63	-5. 47	0. 25	0.00
82	34	0. 000	0. 00	0.00	-0. 63	-5. 47	0. 25	0. 00
	50	0. 500	0. 00	0.00	-0. 63	-5. 47	-0. 07	0. 00
83	50	0.000	0.00	0.00	-0.63	-5. 47	-0.07	0.00

Case.	13 • スQ •	スW・スラ <u>重</u>						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0.00	0.00	0. 19	-5. 69	0. 37	0. 00
	51	0.500	0.00	0.00	0. 19	-5. 69	0. 47	0. 00
87	51	0. 000	0. 00	0.00	0. 19	-5. 69	0. 47	0.00
	67	0. 475	0. 00	0.00	0. 19	-5. 69	0. 56	0.00
88	4	0. 000	0. 00	0. 00	1. 75	-5. 50	-1. 12	0. 00
	20	0. 475	0. 00	0. 00	1. 75	-5. 50	-0. 28	0. 00
89	20	0.000	0. 00	0. 00	1. 75	-5. 50	-0. 28	0.00
	36	0.500	0. 00	0. 00	1. 75	-5. 50	0. 59	0.00
90	36	0.000	0. 00	0. 00	1. 75	-5. 50	0. 59	0.00
	52	0.500	0. 00	0. 00	1. 75	-5. 50	1. 47	0.00
91	52	0. 000	0. 00	0. 00	1. 75	-5. 50	1. 47	0.00
	68	0. 475	0. 00	0. 00	1. 75	-5. 50	2. 31	0.00
92	5	0. 000	0. 00	0.00	2. 15	-4.60	-1. 27	0.00
	21	0. 475	0. 00	0.00	2. 15	-4.60	-0. 25	0.00
93	21	0.000	0. 00	0.00	2. 15	-4.60	-0. 25	0. 00
	37	0.500	0. 00	0.00	2. 15	-4.60	0. 82	0. 00
94	37	0.000	0. 00	0. 00	2. 15	-4.60	0. 82	0.00
	53	0.500	0. 00	0. 00	2. 15	-4.60	1. 90	0.00
95	53	0. 000	0. 00	0.00	2. 15	-4.60	1. 90	0. 00
	69	0. 475	0. 00	0.00	2. 15	-4.60	2. 92	0. 00
96	6	0. 000	0.00	0. 00	-94. 22	-262. 72	488. 31	0.00
	22	0. 475	0.00	0. 00	-94. 22	-262. 72	443. 55	0.00
97	22	0.000	0. 00	0.00	-94. 22	-262. 72	443. 55	0.00
	38	0.500	0. 00	0.00	-94. 22	-262. 72	396. 44	0.00
98	38	0. 000	0.00	0.00	-94. 22	-262. 72	396. 44	0.00
	54	0. 500	0.00	0.00	-94. 22	-262. 72	349. 33	0.00
99	54	0. 000	0. 00	0.00	-94. 22	-262. 72	349. 33	0.00
	70	0. 475	0. 00	0.00	-94. 22	-262. 72	304. 57	0.00
100	7	0. 000	0. 00	0. 00	4. 67	-1. 75	-3. 51	0.00
	23	0. 475	0. 00	0. 00	4. 67	-1. 75	-1. 29	0.00
101	23	0. 000	0.00	0.00	4. 67	-1. 75	-1. 29	0. 00
	39	0. 500	0.00	0.00	4. 67	-1. 75	1. 04	0. 00
102	39	0. 000	0. 00	0. 00	4. 67	-1. 75	1. 04	0. 00
	55	0. 500	0. 00	0. 00	4. 67	-1. 75	3. 38	0. 00
103	55	0. 000	0. 00	0.00	4. 67	-1. 75	3. 38	0. 00
	71	0. 475	0. 00	0.00	4. 67	-1. 75	5. 59	0. 00
104	8	0. 000	0. 00	0. 00	7. 07	-0. 58	-5. 86	0.00
	24	0. 475	0. 00	0. 00	7. 07	-0. 58	-2. 50	0.00
105	24	0. 000	0. 00	0. 00	7. 07	-0. 58	-2. 50	0. 00
	40	0. 500	0. 00	0. 00	7. 07	-0. 58	1. 03	0. 00
106	40	0. 000	0. 00	0. 00	7. 07	-0. 58	1. 03	0.00
	56	0. 500	0. 00	0. 00	7. 07	-0. 58	4. 56	0.00
107	56	0. 000	0.00	0. 00	7. 07	-0. 58	4. 56	0. 00
	72	0. 475	0.00	0. 00	7. 07	-0. 58	7. 92	0. 00
108	9	0. 000	0. 00	0. 00	7. 07	0. 58	-5. 86	0. 00
	25	0. 475	0. 00	0. 00	7. 07	0. 58	-2. 50	0. 00
109	25	0. 000	0.00	0. 00	7. 07	0. 58	-2.50	0.00
	41	0. 500	0.00	0. 00	7. 07	0. 58	1.03	0.00
110	41	0. 000	0. 00	0. 00	7. 07	0. 58	1. 03	0. 00
	57	0. 500	0. 00	0. 00	7. 07	0. 58	4. 56	0. 00
111	57	0. 000	0. 00	0. 00	7. 07	0. 58	4. 56	0.00
	73	0. 475	0. 00	0. 00	7. 07	0. 58	7. 92	0.00
112	10 26	0.000	0.00	0.00	4. 67	1.75 1.75	-3.51 -1.20	0.00

Case.	13 • дQ	• スW • スラ重						
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0.00	0. 00	4. 67	1. 75	3. 38	0. 00
	74	0. 475	0.00	0. 00	4. 67	1. 75	5. 59	0. 00
116	11	0. 000	0.00	0. 00	-94. 22	262. 72	488. 31	0. 00
	27	0. 475	0.00	0. 00	-94. 22	262. 72	443. 55	0. 00
117	27	0.000	0.00	0.00	-94. 22	262. 72	443. 55	0.00
	43	0.500	0.00	0.00	-94. 22	262. 72	396. 44	0.00
118	43	0.000	0.00	0.00	-94. 22	262. 72	396. 44	0.00
	59	0.500	0.00	0.00	-94. 22	262. 72	349. 33	0.00
119	59	0. 000	0.00	0.00	-94. 22	262. 72	349. 33	0. 00
	75	0. 475	0.00	0.00	-94. 22	262. 72	304. 57	0. 00
120	12	0. 000	0.00	0.00	2. 15	4. 60	-1. 27	0.00
	28	0. 475	0.00	0.00	2. 15	4. 60	-0. 25	0.00
121	28	0.000	0.00	0.00	2. 15	4. 60	-0. 25	0.00
	44	0.500	0.00	0.00	2. 15	4. 60	0. 82	0.00
122	44	0.000	0.00	0.00	2. 15	4. 60	0. 82	0. 00
	60	0.500	0.00	0.00	2. 15	4. 60	1. 90	0. 00
123	60	0. 000	0.00	0.00	2. 15	4. 60	1. 90	0.00
	76	0. 475	0.00	0.00	2. 15	4. 60	2. 92	0.00
124	13	0.000	0.00	0.00	1. 75	5. 50	-1. 12	0. 00
	29	0.475	0.00	0.00	1. 75	5. 50	-0. 28	0. 00
125	29	0.000	0.00	0. 00	1. 75	5. 50	-0. 28	0. 00
	45	0.500	0.00	0. 00	1. 75	5. 50	0. 59	0. 00
126	45	0.000	0.00	0.00	1. 75	5. 50	0. 59	0. 00
	61	0.500	0.00	0.00	1. 75	5. 50	1. 47	0. 00
127	61	0. 000	0.00	0.00	1. 75	5. 50	1. 47	0. 00
	77	0. 475	0.00	0.00	1. 75	5. 50	2. 31	0. 00
128	14	0. 000	0.00	0. 00	0. 19	5. 69	0. 18	0. 00
	30	0. 475	0.00	0. 00	0. 19	5. 69	0. 28	0. 00
129	30	0. 000	0.00	0.00	0. 19	5. 69	0. 28	0. 00
	46	0. 500	0.00	0.00	0. 19	5. 69	0. 37	0. 00
130	46	0. 000	0.00	0. 00	0. 19	5. 69	0. 37	0. 00
	62	0. 500	0.00	0. 00	0. 19	5. 69	0. 47	0. 00
131	62	0. 000	0.00	0. 00	0. 19	5. 69	0. 47	0. 00
	78	0. 475	0.00	0. 00	0. 19	5. 69	0. 56	0. 00
132	15	0. 000	0.00	0. 00	-0. 63	5. 47	0. 86	0. 00
	31	0. 475	0.00	0. 00	-0. 63	5. 47	0. 56	0. 00
133	31	0.000	0.00	0. 00	-0. 63	5. 47	0. 56	0. 00
	47	0.500	0.00	0. 00	-0. 63	5. 47	0. 25	0. 00
134	47	0.000	0.00	0. 00	-0. 63	5. 47	0. 25	0. 00
	63	0.500	0.00	0. 00	-0. 63	5. 47	-0. 07	0. 00
135	63	0. 000	0.00	0. 00	-0. 63	5. 47	-0. 07	0. 00
	79	0. 475	0.00	0. 00	-0. 63	5. 47	-0. 37	0. 00
136	16	0. 000	0.00	0. 00	-351. 24	413. 09	361. 41	0. 00
	32	0. 475	0.00	0. 00	-351. 24	413. 09	194. 57	0. 00
137	32	0.000	0. 00	0.00	-351. 24	413. 09	194. 57	0.00
	48	0.500	0. 00	0.00	-351. 24	413. 09	18. 95	0.00
138	48	0.000	0. 00	0. 00	-351. 24	413. 09	18. 95	0. 00
	64	0.500	0. 00	0. 00	-351. 24	413. 09	-156. 67	0. 00
139	64	0. 000	0. 00	0. 00	-351. 24	413. 09	-156. 67	0.00
	80	0. 475	0. 00	0. 00	-351. 24	413. 09	-323. 50	0.00

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Case. 14・スV・スト・ス・ス・ス・ス・ス「・ス・ス・ス・ス・ス・ス ・スナ定死・スラ重 部材 節点 着目 X軸周りの Y軸周りの Z軸周りの Y軸方向の Z軸方向の せん断力 軸方向力 曲げモーメント 曲げモーメント No 位置 せん断力 モーメント No $(kN \cdot m)$ $(kN \cdot m)$ $(kN \cdot m)$ (m)(kN) (kN) (kN) 369.02 1 0.000 0.00 0.00 1 -361.41-413.090.00 2 0.900 0.00 0.00 369.02 -361.41-80.970.00 0.00 2 2 0.00 0.000 0.00 368.39 -362.27-86.44 3 0.00 0.00 -362.270.00 0.575 368.39 125.38 3 0.000 0.00 0.00 368, 58 119.70 0.00 3 -362.454 1.000 0.00 0.00 368.58 -362.45488.28 0.00 0.000 0.00 0.00 0.00 4 370.34 -361.34 482.78 4 1.000 0.00 0.00 5 370.34 -361.34853.12 0.00 0.000 0.00 0.00 -360.070.00 5 5 372.48 848.52 0.00 0.00 0.013 372.48 -360.07853.36 0.00 6 0.00 372.48 1.000 0.00 -360.071221.01 0.00 6 6 0.000 0.00 0.00 -11.74-9.37 958.29 0.00 7 1.000 0.00 0.00 -11.74-9.37946.55 0.00 7 7 0.000 0.00 0.00 -7.07-5.860.00 944.80 1.000 0.00 0.00 -7.07-5.86937.73 0.00 8 0.00 0.000 0.00 0.00 0.00 8 8 0.00 937.15 937.15 0.500 0.00 0.00 0.00 0.00 0.00 9 0.00 937.15 1.000 0.00 0.00 0.00 0.00 9 9 0.000 0.00 0.00 7.07 5.86 937.73 0.00 10 1.000 0.00 0.00 7.07 5.86 944.80 0.00 10 10 0.000 0.00 0.00 11.74 9.37 946.55 0.00 1.000 0.00 0.00 9.37 958.29 0.00 11 11.74 360.07 0.000 0.00 0.00 -372.48 1221.01 0.00 11 11 -372.48 0.987 0.00 0.00 360.07 853.36 0.00 12 1.000 0.00 0.00 -372.48360.07 848.52 0.00 12 12 0.000 0.00 0.00 -370.340.00 361.34 853.12 13 1.000 0.00 0.00 -370.34361.34 482.78 0.00 13 0.000 0.00 0.00 -368.58362.45 488.28 0.00 13 14 1.000 0.00 0.00 -368.58362.45 119.70 0.00 14 14 0.000 0.00 0.00 -368.39362.27 125.38 0.00 15 0.575 0.00 0.00 -368.39362.27 -86.440.00 15 15 0.000 0.00 0.00 -369.02361.41 -80.970.00 0.900 0.00 0.00 -369.02361.41 -413.090.00 16 16 17 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.900 0.00 0.00 0.00 0.00 0.00 0.00 18 18 0.000 0.00 0.00 0.00 0.00 0.00 0.00 17 0.00 0.00 0.00 0.00 19 0.575 0.00 0.00 19 0.000 0.00 0.00 0.00 0.00 0.00 0.00 18 0.00 20 1.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 19 20 0.000 0.00 0.00 0.00 0.00 21 1.000 0.00 0.00 0.00 0.00 0.00 0.00 21 0.000 0.00 0.00 0.00 0.00 0.00 0.00 20 22 1.000 0.00 0.00 0.00 0.00 0.00 0.00 22 21 0.000 0.00 0.00 0.00 0.00 0.00 0.00 23 0.00 0.00 0.00 0.00 1.000 0.00 0.00 22 23 0.000 0.00 0.00 0.00 0.00 0.00 0.00 24 1.000 0.00 0.00 0.00 0.00 0.00 0.00 23 24 0.000 0.00 0.000.00 0.00 0.00 0.00 25 1.000 0.00 0.00 0.00 0.00 0.00 0.00 24 25 0.000 0.00 0.00 0.00 0.00 0.00 0.00 26 1.000 0.00 0.00 0.00 0.00 0.00 0.00 25 26 0.000 0.00 0.00 0.00 0.00 0.00 0.00

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Case. 14・スV・スF・ス・ス・ス・ズ・ス[・ス・ス・ス・ス・ス・ス ・スナ定死・スラ重 節点 着目 部材 Y軸方向の Z軸方向の X軸周りの Y軸周りの Z軸周りの 軸方向力 位置 せん断力 せん断力 モーメント 曲げモーメント 曲げモーメント No No $(kN \cdot m)$ (kN) (kN) $(kN \cdot m)$ $(kN \cdot m)$ (m)(kN) 0.000 0.00 0.00 0.00 29 0.00 0.00 30 0.00 0.575 0.00 0.00 0.00 0.00 0.00 0.00 31 0.000 0.00 0.00 0.00 0.00 0.00 0.00 30 31 0.00 0.900 0.00 0.00 0.00 0.00 0.00 32 0.00 0.00 33 0.000 0.00 0.00 0.00 0.00 31 34 0.900 0.00 0.00 0.00 0.00 0.00 0.00 32 0.000 0.00 0.00 0.00 0.00 0.00 0.00 34 0.575 0.00 0.00 0.00 0.00 0.00 0.00 35 0.000 0.00 0.00 0.00 0.00 0.00 0.00 33 35 0.00 0.00 0.00 1.000 0.00 0.00 0.00 36 0.000 0.00 0.00 0.00 0.00 0.00 0.00 34 36 0.00 37 1.000 0.00 0.00 0.00 0.00 0.00 37 0.000 0.00 0.00 0.00 0.00 0.00 0.00 35 0.00 0.00 38 1.000 0.00 0.00 0.00 0.00 36 38 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 39 1.000 0.00 0.00 0.00 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 37 39 1.000 0.00 0.00 0.00 0.00 0.00 40 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 38 40 0.00 0.00 0.00 0.00 0.00 1.000 0.00 41 39 0.000 0.00 0.00 0.00 0.00 0.00 0.00 41 42 1.000 0.00 0.00 0.00 0.00 0.00 0.00 42 0.000 0.00 0.00 0.00 0.00 0.00 0.00 40 1.000 0.00 0.00 0.00 0.00 0.00 43 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 43 41 1.000 0.00 0.00 0.00 0.00 0.00 44 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 42 44 0.00 1.000 0.00 0.00 0.00 0.00 0.00 45 0.000 0.00 0.00 0.00 0.00 0.00 0.00 43 45 0.00 46 1.000 0.00 0.00 0.00 0.00 0.00 46 0.000 0.00 0.00 0.00 0.00 0.00 0.00 44 0.575 0.00 0.00 0.00 0.00 0.00 47 0.00 47 0.000 0.00 0.00 0.00 0.00 0.00 0.00 45 0.00 0.00 0.00 0.900 0.00 0.00 0.00 48 0.000 0.00 0.00 0.00 0.00 0.00 0.00 46 49 0.00 0.00 0.00 0.00 50 0.900 0.00 0.00 50 0.000 0.00 0.00 0.00 0.00 0.00 0.00 47 51 0.575 0.00 0.00 0.00 0.00 0.00 0.00 0.00 51 0.000 0.00 0.00 0.00 0.00 0.00 48 0.00 1.000 0.00 0.00 0.00 0.00 52 0.00 52 0.000 0.00 0.00 0.00 0.00 0.00 0.00 49 53 1.000 0.00 0.00 0.00 0.00 0.00 0.00 53 0.000 0.00 0.00 0.00 0.00 0.00 0.00 50 0.00 0.00 54 1.000 0.00 0.00 0.00 0.00 51 54 0.000 0.00 0.00 0.00 0.00 0.00 0.00 55 1.000 0.00 0.00 0.00 0.00 0.00 0.00 52 55 0.000 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 56 1.000 0.00 0.00 0.00 0.000 0.00 0.00 0.00 0.00 0.00 0.00 53 56 0.00 0.00 57 1.000 0.00 0.00 0.00 0.00 54 57 0.000 0.00 0.00 0.00 0.00 0.00 0.00 1.000 0.00 0.00 0.00 0.00 0.00 0.00 58

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Case.	14・スV・	ス F • ス • ス •	ス ^・ ス[・ス・	ス・ス・ス・スナ	定死・スラ重			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	62	1.000	0.00	0.00	0.00	0.00	0.00	0.00
59	62	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	63	0.575	0.00	0.00	0.00	0.00	0.00	0.00
60	63	0.000 0.900	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0.00 0.00
61	64 65	0.900	0.00	0.00	0. 00 -79. 02	0. 00 -323. 50	0. 00 413. 09	0.00
62	66	0. 900	0.00	0. 00	-79. 02	-323. 50	341. 97	0. 00
	66	0. 000	0.00	0. 00	-78. 39	-323. 87	347. 44	0. 00
	67	0. 575	0.00	0. 00	-78. 39	-323. 87	302. 37	0. 00
63	67 68	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00 0. 00	-78. 58 -78. 58	-323. 31 -323. 31	308. 05 229. 47	0. 00 0. 00 0. 00
64	68	0. 000	0. 00	0. 00	-80. 34	-321. 00	234. 97	0. 00
	69	1. 000	0. 00	0. 00	-80. 34	-321. 00	154. 63	0. 00
65	69 70	0.000 0.013 1.000	0.00 0.00 0.00	0.00 0.00 0.00	-82. 48 -82. 48 -82. 48	-318. 09 -318. 09 -318. 09	159. 23 158. 16 76. 74	0.00 0.00 0.00
66	70	0.000	0. 00	0.00	11. 74	-13. 51	339. 46	0. 00
	71	1.000	0. 00	0.00	11. 74	-13. 51	351. 20	0. 00
67	71	0.000	0. 00	0. 00	7. 07	-7. 92	352. 95	0.00
	72	1.000	0. 00	0. 00	7. 07	-7. 92	360. 02	0.00
68	72 73	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	360. 60 360. 60 360. 60	0. 00 0. 00 0. 00
69	73 74	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-7. 07 -7. 07	7. 92 7. 92	360. 00 360. 02 352. 95	0. 00 0. 00 0. 00
70	74	0. 000	0. 00	0. 00	-11. 74	13. 51	351. 20	0. 00
	75	1. 000	0. 00	0. 00	-11. 74	13. 51	339. 46	0. 00
71	75 76	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	82. 48 82. 48 82. 48	318. 09 318. 09 318. 09	76. 74 158. 16 159. 23	0. 00 0. 00 0. 00
72	76	0.000	0. 00	0.00	80. 34	321. 00	154. 63	0.00
	77	1.000	0. 00	0.00	80. 34	321. 00	234. 97	0.00
73	77	0.000	0. 00	0. 00	78. 58	323. 31	229. 47	0.00
	78	1.000	0. 00	0. 00	78. 58	323. 31	308. 05	0.00
74	78	0. 000	0. 00	0. 00	78. 39	323. 87	302. 37	0.00
	79	0. 575	0. 00	0. 00	78. 39	323. 87	347. 44	0.00
75	79	0. 000	0. 00	0. 00	79. 02	323. 50	341. 97	0. 00
	80	0. 900	0. 00	0. 00	79. 02	323. 50	413. 09	0. 00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	351. 24 351. 24	413. 09 413. 09	-361. 41 -194. 57	0. 00 0. 00
77	17	0. 000	0. 00	0. 00	351. 24	413. 09	-194. 57	0. 00
	33	0. 500	0. 00	0. 00	351. 24	413. 09	-18. 95	0. 00
78	33	0. 000	0. 00	0. 00	351. 24	413. 09	-18. 95	0. 00
	49	0. 500	0. 00	0. 00	351. 24	413. 09	156. 67	0. 00
79	49	0. 000	0. 00	0. 00	351. 24	413. 09	156. 67	0. 00
	65	0. 475	0. 00	0. 00	351. 24	413. 09	323. 50	0. 00
80	2	0. 000	0. 00	0. 00	0. 63	5. 47	-0. 86	0. 00
	18	0. 475	0. 00	0. 00	0. 63	5. 47	-0. 56	0. 00
81	18	0. 000	0. 00	0. 00	0. 63	5. 47	-0. 56	0. 00
	34	0. 500	0. 00	0. 00	0. 63	5. 47	-0. 25	0. 00
82	34	0. 000	0. 00	0. 00	0. 63	5. 47	-0. 25	0. 00
	50	0. 500	0. 00	0. 00	0. 63	5. 47	0. 07	0. 00

Case.	14 · XV ·	• 7F • 7 • 7 •	ス^・ス[・ス・:	ス・ス・ス・スナ	定死・スラ重			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
85	19	0.000	0. 00	0.00	-0. 19	5. 69	-0. 28	0. 00
	35	0.500	0. 00	0.00	-0. 19	5. 69	-0. 37	0. 00
86	35	0. 000	0. 00	0.00	-0. 19	5. 69	-0. 37	0.00
	51	0. 500	0. 00	0.00	-0. 19	5. 69	-0. 47	0.00
87	51 67	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-0. 19 -0. 19	5. 69 5. 69	-0.47 -0.56	0.00 0.00
88	4	0. 000	0. 00	0.00	-1.75	5. 50	1. 12	0.00
	20	0. 475	0. 00	0.00	-1.75	5. 50	0. 28	0.00
89	20	0. 000	0. 00	0. 00	-1. 75	5. 50	0. 28	0.00
	36	0. 500	0. 00	0. 00	-1. 75	5. 50	-0. 59	0.00
90	36	0. 000	0. 00	0.00	-1. 75	5. 50	-0. 59	0.00
	52	0. 500	0. 00	0.00	-1. 75	5. 50	-1. 47	0.00
91	52	0. 000	0. 00	0.00	-1. 75	5. 50	-1. 47	0.00
	68	0. 475	0. 00	0.00	-1. 75	5. 50	-2. 31	0.00
92	5	0. 000	0. 00	0. 00	-2. 15	4. 60	1. 27	0.00
	21	0. 475	0. 00	0. 00	-2. 15	4. 60	0. 25	0.00
93	21	0. 000	0. 00	0.00	-2. 15	4. 60	0. 25	0.00
	37	0. 500	0. 00	0.00	-2. 15	4. 60	-0. 82	0.00
94	37	0. 000	0. 00	0.00	-2. 15	4. 60	-0.82	0.00
	53	0. 500	0. 00	0.00	-2. 15	4. 60	-1.90	0.00
95	53	0. 000	0. 00	0.00	-2. 15	4. 60	-1. 90	0. 00
	69	0. 475	0. 00	0.00	-2. 15	4. 60	-2. 92	0. 00
96	6	0. 000	0. 00	0.00	94. 22	262. 72	-488. 31	0.00
	22	0. 475	0. 00	0.00	94. 22	262. 72	-443. 55	0.00
97	22	0. 000	0. 00	0.00	94. 22	262. 72	-443. 55	0.00
	38	0. 500	0. 00	0.00	94. 22	262. 72	-396. 44	0.00
98	38	0. 000	0. 00	0.00	94. 22	262. 72	-396. 44	0.00
	54	0. 500	0. 00	0.00	94. 22	262. 72	-349. 33	0.00
99	54	0. 000	0. 00	0.00	94. 22	262. 72	-349. 33	0.00
	70	0. 475	0. 00	0.00	94. 22	262. 72	-304. 57	0.00
100	7	0. 000	0. 00	0.00	-4. 67	1. 75	3. 51	0.00
	23	0. 475	0. 00	0.00	-4. 67	1. 75	1. 29	0.00
101	23	0. 000	0. 00	0.00	-4. 67	1. 75	1. 29	0. 00
	39	0. 500	0. 00	0.00	-4. 67	1. 75	-1. 04	0. 00
102	39	0. 000	0. 00	0.00	-4. 67	1. 75	-1. 04	0.00
	55	0. 500	0. 00	0.00	-4. 67	1. 75	-3. 38	0.00
103	55	0. 000	0. 00	0.00	-4. 67	1. 75	-3. 38	0.00
	71	0. 475	0. 00	0.00	-4. 67	1. 75	-5. 59	0.00
104	8	0. 000	0. 00	0.00	-7. 07	0. 58	5. 86	0. 00
	24	0. 475	0. 00	0.00	-7. 07	0. 58	2. 50	0. 00
105	24 40	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-7.07 -7.07	0. 58 0. 58	2. 50 -1. 03	0.00 0.00
106	40 56	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-7.07 -7.07	0. 58 0. 58	-1. 03 -4. 56	0.00 0.00
107	56 72	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-7.07 -7.07	0. 58 0. 58	-4. 56 -7. 92	0. 00 0. 00
108	9	0. 000	0.00	0. 00	-7. 07	-0. 58	5. 86	0.00
	25	0. 475	0.00	0. 00	-7. 07	-0. 58	2. 50	0.00
109	25	0. 000	0.00	0.00	-7. 07	-0. 58	2. 50	0.00
	41	0. 500	0.00	0.00	-7. 07	-0. 58	-1. 03	0.00
110	41	0.000	0.00	0. 00	-7. 07	-0. 58	-1. 03	0.00
	57	0.500	0.00	0. 00	-7. 07	-0. 58	-4. 56	0.00
111	57 73	0.000	0.00	0.00	-7. 07 -7. 07	-0.58 -0.58	-4.56 -7.92	0.00

Case.	14 • XV	• 7F • 7 • 7 •	ス゚・ス[・ス・	ス・ス・ス・スナ	定死・スラ重			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
114	42	0.000	0. 00	0.00	-4. 67	-1. 75	-1. 04	0. 00
	58	0.500	0. 00	0.00	-4. 67	-1. 75	-3. 38	0. 00
115	58	0. 000	0. 00	0. 00	-4. 67	-1. 75	-3. 38	0. 00
	74	0. 475	0. 00	0. 00	-4. 67	-1. 75	-5. 59	0. 00
116	11	0.000	0.00	0.00	94. 22	-262. 72	-488. 31	0.00
	27	0.475	0.00	0.00	94. 22	-262. 72	-443. 55	0.00
117	27	0.000	0.00	0.00	94. 22	-262. 72	-443. 55	0.00
	43	0.500	0.00	0.00	94. 22	-262. 72	-396. 44	0.00
118	43	0.000	0.00	0.00	94. 22	-262. 72	-396. 44	0.00
	59	0.500	0.00	0.00	94. 22	-262. 72	-349. 33	0.00
119	59	0.000	0.00	0.00	94. 22	-262. 72	-349. 33	0.00
	75	0.475	0.00	0.00	94. 22	-262. 72	-304. 57	0.00
120	12	0.000	0.00	0.00	-2. 15	-4.60	1. 27	0.00
	28	0.475	0.00	0.00	-2. 15	-4.60	0. 25	0.00
121	28	0.000	0.00	0.00	-2. 15	-4.60	0. 25	0.00
	44	0.500	0.00	0.00	-2. 15	-4.60	-0. 82	0.00
122	44	0.000	0.00	0.00	-2. 15	-4.60	-0.82	0.00
	60	0.500	0.00	0.00	-2. 15	-4.60	-1.90	0.00
123	60	0.000	0.00	0.00	-2. 15	-4. 60	-1. 90	0.00
	76	0.475	0.00	0.00	-2. 15	-4. 60	-2. 92	0.00
124	13	0. 000	0. 00	0.00	-1. 75	-5. 50	1. 12	0. 00
	29	0. 475	0. 00	0.00	-1. 75	-5. 50	0. 28	0. 00
125	29	0.000	0. 00	0.00	-1. 75	-5. 50	0. 28	0.00
	45	0.500	0. 00	0.00	-1. 75	-5. 50	-0. 59	0.00
126	45	0.000	0. 00	0.00	-1. 75	-5. 50	-0. 59	0.00
	61	0.500	0. 00	0.00	-1. 75	-5. 50	-1. 47	0.00
127	61	0. 000	0. 00	0.00	-1. 75	-5. 50	-1. 47	0. 00
	77	0. 475	0. 00	0.00	-1. 75	-5. 50	-2. 31	0. 00
128	14	0. 000	0. 00	0.00	-0. 19	-5. 69	-0. 18	0. 00
	30	0. 475	0. 00	0.00	-0. 19	-5. 69	-0. 28	0. 00
129	30	0.000	0. 00	0.00	-0. 19	-5. 69	-0. 28	0. 00
	46	0.500	0. 00	0.00	-0. 19	-5. 69	-0. 37	0. 00
130	46	0.000	0. 00	0.00	-0. 19	-5. 69	-0. 37	0. 00
	62	0.500	0. 00	0.00	-0. 19	-5. 69	-0. 47	0. 00
131	62	0. 000	0. 00	0.00	-0. 19	-5. 69	-0. 47	0. 00
	78	0. 475	0. 00	0.00	-0. 19	-5. 69	-0. 56	0. 00
132	15	0. 000	0. 00	0.00	0. 63	-5. 47	-0.86	0. 00
	31	0. 475	0. 00	0.00	0. 63	-5. 47	-0.56	0. 00
133	31	0.000	0. 00	0.00	0. 63	-5. 47	-0. 56	0. 00
	47	0.500	0. 00	0.00	0. 63	-5. 47	-0. 25	0. 00
134	47	0.000	0. 00	0.00	0. 63	-5. 47	-0. 25	0. 00
	63	0.500	0. 00	0.00	0. 63	-5. 47	0. 07	0. 00
135	63	0. 000	0. 00	0.00	0. 63	-5. 47	0. 07	0. 00
	79	0. 475	0. 00	0.00	0. 63	-5. 47	0. 37	0. 00
136	16	0. 000	0. 00	0.00	351. 24	-413. 09	-361. 41	0.00
	32	0. 475	0. 00	0.00	351. 24	-413. 09	-194. 57	0.00
137	32	0.000	0. 00	0.00	351. 24	-413. 09	-194. 57	0.00
	48	0.500	0. 00	0.00	351. 24	-413. 09	-18. 95	0.00
138	48	0.000	0. 00	0.00	351. 24	-413. 09	-18. 95	0.00
	64	0.500	0. 00	0.00	351. 24	-413. 09	156. 67	0.00
139	64	0. 000	0. 00	0.00	351. 24	-413. 09	156. 67	0.00
	80	0. 475	0. 00	0.00	351. 24	-413. 09	323. 50	0.00

26 27 0.000

0.00

Case. 15・スV・スF・ス・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス・ス・ス・ス・スラ重

Case.	15 · XV	• 7F • 7 • 7 •	ス^・ス[・ス・フ	ス・ス・ス ・スt	• ス • ス • ス • ス	く・ スラ重		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0.000 0.900	0. 00 0. 00	0.00 0.00	-113. 81 -113. 81	111. 09 111. 09	127. 01 24. 58	0. 00 0. 00
2	2 3	0. 000 0. 575	0. 00 0. 00	0. 00 0. 00	-113. 62 -113. 62	111. 35 111. 35	26. 26 -39. 07	0. 00 0. 00
3	3	0.000	0. 00	0.00	-113. 68	111. 41	-37. 32	0.00
	4	1.000	0. 00	0.00	-113. 68	111. 41	-151. 00	0.00
4	4	0.000	0. 00	0.00	-114. 22	111. 06	-149. 31	0.00
	5	1.000	0. 00	0.00	-114. 22	111. 06	-263. 53	0.00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-114. 88 -114. 88 -114. 88	110. 67 110. 67 110. 67	-262. 12 -263. 61 -377. 00	0. 00 0. 00 0. 00
6	6	0.000	0. 00	0.00	3. 61	2. 89	-296. 22	0.00
	7	1.000	0. 00	0.00	3. 61	2. 89	-292. 61	0.00
7	7	0.000	0. 00	0.00	2. 17	1. 80	-292. 07	0.00
	8	1.000	0. 00	0.00	2. 17	1. 80	-289. 90	0.00
8	8 9	0.000 0.500 1.000	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	-289. 72 -289. 72 -289. 72	0.00 0.00 0.00
9	9	0. 000	0. 00	0.00	-2. 17	-1. 80	-289. 90	0.00
	10	1. 000	0. 00	0.00	-2. 17	-1. 80	-292. 07	0.00
10	10	0. 000	0. 00	0.00	-3. 61	-2. 89	-292. 61	0. 00
	11	1. 000	0. 00	0.00	-3. 61	-2. 89	-296. 22	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	114. 88 114. 88 114. 88	-110. 67 -110. 67 -110. 67	-377. 00 -263. 61 -262. 12	0. 00 0. 00 0. 00
12	12	0.000	0. 00	0.00	114. 22	-111.06	-263. 53	0.00
	13	1.000	0. 00	0.00	114. 22	-111.06	-149. 31	0.00
13	13	0.000	0. 00	0. 00	113. 68	-111. 41	-151. 00	0. 00
	14	1.000	0. 00	0. 00	113. 68	-111. 41	-37. 32	0. 00
14	14	0. 000	0. 00	0.00	113. 62	-111. 35	-39. 07	0. 00
	15	0. 575	0. 00	0.00	113. 62	-111. 35	26. 26	0. 00
15	15	0.000	0. 00	0.00	113. 81	-111. 09	24. 58	0.00
	16	0.900	0. 00	0.00	113. 81	-111. 09	127. 01	0.00
16	17	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	18	0.900	0. 00	0.00	0.00	0.00	0.00	0.00
17	18	0. 000	0. 00	0.00	0.00	0.00	0.00	0. 00
	19	0. 575	0. 00	0.00	0.00	0.00	0.00	0. 00
18	19	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	20	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
19	20	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	21	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
20	21	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	22	1.000	0. 00	0.00	0.00	0.00	0.00	0. 00
21	22	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	23	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
22	23	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	24	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
23	24	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	25	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
24	25	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	26	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
0.2	~ =		0.00					0 00

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Case. 15・スV・スF・ス・ス・ス・ス ・ス 「・ス・ス・ス・ス・ス・ス・ス・ス・スラ重

Case.	15 · XV ·	スF • ス • ス •	ス ・ ス[・ ス・	ス・ス・ス ・ スt	• ス • ス • ス • ス	スラ重		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	31	0. 575	0.00	0.00	0.00	0.00	0.00	0.00
30	31	0.000	0.00	0. 00	0.00	0. 00	0.00	0.00
	32	0.900	0.00	0. 00	0.00	0. 00	0.00	0.00
31	33	0.000	0.00	0. 00	0. 00	0. 00	0.00	0.00
	34	0.900	0.00	0. 00	0. 00	0. 00	0.00	0.00
32	34	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	35	0.575	0.00	0. 00	0.00	0.00	0.00	0.00
33	35	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	36	1.000	0.00	0.00	0.00	0.00	0.00	0.00
34	36	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	37	1.000	0.00	0. 00	0.00	0.00	0.00	0.00
35	37	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	38	1.000	0.00	0. 00	0.00	0.00	0.00	0.00
36	38	0. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
	39	1. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
37	39	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	40	1.000	0.00	0.00	0.00	0.00	0.00	0.00
38	40	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	41	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
39	41	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	42	1.000	0.00	0.00	0.00	0.00	0.00	0.00
40	42	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	43	1.000	0.00	0. 00	0.00	0.00	0.00	0.00
41	43	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	44	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
42	44	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	45	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
43	45	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	46	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
44	46	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	47	0. 575	0.00	0.00	0. 00	0.00	0.00	0.00
45	47	0. 000	0.00	0.00	0. 00	0.00	0.00	0. 00
	48	0. 900	0.00	0.00	0. 00	0.00	0.00	0. 00
46	49	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	50	0. 900	0.00	0.00	0. 00	0.00	0.00	0.00
47	50	0. 000	0.00	0.00	0.00	0.00	0. 00	0. 00
	51	0. 575	0.00	0.00	0.00	0.00	0. 00	0. 00
48	51	0. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
	52	1. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
49	52	0. 000	0.00	0.00	0.00	0.00	0. 00	0. 00
	53	1. 000	0.00	0.00	0.00	0.00	0. 00	0. 00
50	53	0. 000	0.00	0.00	0.00	0.00	0. 00	0. 00
	54	1. 000	0.00	0.00	0.00	0.00	0. 00	0. 00
51	54	0. 000	0.00	0.00	0. 00	0.00	0. 00	0.00
	55	1. 000	0.00	0.00	0. 00	0.00	0. 00	0.00
52	55	0. 000	0.00	0.00	0. 00	0.00	0.00	0. 00
	56	1. 000	0.00	0.00	0. 00	0.00	0.00	0. 00
53	56	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0.00
	57	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0.00
54	57	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	58	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 15・スV・スF・ス・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス・ス・ス・ス・スラ重

Case.	15 · XV ·	λ F • λ • λ •	ス^・ス[・ス・フ	く・ス・ス ・ スt	x - x - x - x	.・スラ重		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61 62	0. 000 1. 000	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
59	62 63	0. 000 0. 575	0.00 0.00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
60	63 64	0.000 0.900	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0.00 0.00
61	65 66	0.000 0.900	0.00 0.00	0. 00 0. 00	23. 81 23. 81	99. 48 99. 48	-127. 01 -105. 58	0.00 0.00
62	66 67	0. 000 0. 575	0. 00 0. 00	0. 00 0. 00	23. 62 23. 62	99. 59 99. 59	-107. 26 -93. 68	0. 00 0. 00
63	67 68	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	23. 68 23. 68	99. 42 99. 42	-95. 43 -71. 75	0. 00 0. 00
64	68 69	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	24. 22 24. 22	98. 71 98. 71	-73. 44 -49. 22	0. 00 0. 00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	24. 88 24. 88 24. 88	97. 81 97. 81 97. 81	-50. 63 -50. 31 -25. 75	0. 00 0. 00 0. 00
66	70 71	0.000 1.000	0. 00 0. 00	0. 00 0. 00	-3. 61 -3. 61	4. 15 4. 15	-106. 53 -110. 14	0. 00 0. 00
67	71 72	0.000 1.000	0. 00 0. 00	0. 00 0. 00	-2. 17 -2. 17	2. 43 2. 43	-110. 68 -112. 85	0.00 0.00
68	72 73	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-113. 03 -113. 03 -113. 03	0. 00 0. 00 0. 00
69	73 74	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	2. 17 2. 17	-2. 43 -2. 43	-112. 85 -110. 68	0. 00 0. 00
70	74 75	0.000 1.000	0.00 0.00	0. 00 0. 00	3. 61 3. 61	-4. 15 -4. 15	-110. 14 -106. 53	0. 00 0. 00
71	75 76	0.000 0.987	0. 00 0. 00	0.00 0.00	-24. 88 -24. 88	-97. 81 -97. 81		0. 00 0. 00
72	76 76 77	1. 000 0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-24. 88 -24. 22 -24. 22	-97. 81 -98. 71 -98. 71	-50. 63 -49. 22 -73. 44	0.00
73	77 78	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-24. 22 -23. 68 -23. 68	-98. 71 -99. 42 -99. 42	-73. 44 -71. 75 -95. 43	0. 00 0. 00 0. 00
74	78 79	0. 000 0. 575	0. 00 0. 00	0. 00 0. 00	-23. 62 -23. 62	-99. 59 -99. 59	-93. 68 -107. 26	0. 00 0. 00
75	79 80	0.000 0.900	0. 00 0. 00	0. 00 0. 00	-23. 81 -23. 81	-99. 48 -99. 48	-105. 58 -127. 01	0.00 0.00
76	1 17	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-107. 98 -107. 98	-127. 01 -127. 01	111. 09 59. 80	0.00 0.00
77	17 33	0.000 0.500	0.00 0.00	0. 00 0. 00	-107. 98 -107. 98	-127. 01 -127. 01	59. 80 5. 80	0. 00 0. 00
78	33 49	0.000 0.500	0.00 0.00	0. 00 0. 00	-107. 98 -107. 98	-127. 01 -127. 01	5. 80 -48. 19	0. 00 0. 00
79	49 65	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-107. 98 -107. 98	-127. 01 -127. 01	-48. 19 -99. 48	0. 00 0. 00
80	2 18	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-0. 19 -0. 19	-1. 68 -1. 68	0. 26 0. 17	0. 00 0. 00
81	18 34	0. 000 0. 500	0.00 0.00	0.00 0.00	-0. 19 -0. 19	-1. 68 -1. 68	0. 17 0. 08	0. 00 0. 00
82	34 50	0.000 0.500	0. 00 0. 00	0.00 0.00	-0. 19 -0. 19	-1. 68 -1. 68	0. 08 -0. 02	0. 00 0. 00
0.0	- 0	0 000	0.00	0.00	0 10	1 65	0.00	0.00

0. 00 -0. 19 -1. 68 -0. 02

0.00

83 50 0.000 0.00

Case. 15・スV・スF・ス・ス・ス・ス ・ス[・ス・ス・ス・ス・ス・ス・ス・ス・ス・ステ重

Case.	. 15・スV・	スF • ス • ス •	スー・ス[・ス・	ス・ス・ス ・ スt	x - x - x - x	.・スラ重		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0. 00	0.00	0. 06	-1. 75	0. 11	0.00
	51	0.500	0. 00	0.00	0. 06	-1. 75	0. 14	0.00
87	51	0. 000	0. 00	0. 00	0.06	-1. 75	0. 14	0. 00
	67	0. 475	0. 00	0. 00	0.06	-1. 75	0. 17	0. 00
88	4	0. 000	0.00	0. 00	0. 54	-1. 69	-0. 34	0. 00
	20	0. 475	0.00	0. 00	0. 54	-1. 69	-0. 09	0. 00
89	20	0.000	0.00	0. 00	0. 54	-1. 69	-0. 09	0. 00
	36	0.500	0.00	0. 00	0. 54	-1. 69	0. 18	0. 00
90	36	0. 000	0.00	0. 00	0. 54	-1. 69	0. 18	0. 00
	52	0. 500	0.00	0. 00	0. 54	-1. 69	0. 45	0. 00
91	52	0. 000	0. 00	0. 00	0. 54	-1. 69	0. 45	0. 00
	68	0. 475	0. 00	0. 00	0. 54	-1. 69	0. 71	0. 00
92	5 21	0. 000 0. 475	0.00 0.00	0. 00 0. 00	0. 66 0. 66	-1.41 -1.41	-0. 39 -0. 08	0. 00 0. 00
93	21 37	0.000 0.500	0. 00 0. 00	0. 00 0. 00	0. 66 0. 66	-1.41 -1.41	-0. 08 0. 25	0. 00 0. 00
94	37	0.000	0. 00	0. 00	0. 66	-1. 41	0. 25	0. 00
	53	0.500	0. 00	0. 00	0. 66	-1. 41	0. 58	0. 00
95	53	0. 000	0. 00	0. 00	0. 66	-1. 41	0. 58	0. 00
	69	0. 475	0. 00	0. 00	0. 66	-1. 41	0. 90	0. 00
96	6	0. 000	0. 00	0. 00	-28. 49	-80. 77	149. 22	0. 00
	22	0. 475	0. 00	0. 00	-28. 49	-80. 77	135. 68	0. 00
97	22	0.000	0. 00	0. 00	-28. 49	-80. 77	135. 68	0. 00
	38	0.500	0. 00	0. 00	-28. 49	-80. 77	121. 44	0. 00
98	38	0.000	0. 00	0. 00	-28. 49	-80. 77	121. 44	0. 00
	54	0.500	0. 00	0. 00	-28. 49	-80. 77	107. 19	0. 00
99	54	0. 000	0. 00	0. 00	-28. 49	-80. 77	107. 19	0. 00
	70	0. 475	0. 00	0. 00	-28. 49	-80. 77	93. 66	0. 00
100	7	0. 000	0. 00	0. 00	1. 44	-0. 54	-1. 08	0. 00
	23	0. 475	0. 00	0. 00	1. 44	-0. 54	-0. 40	0. 00
101	23	0.000	0. 00	0. 00	1. 44	-0. 54	-0. 40	0. 00
	39	0.500	0. 00	0. 00	1. 44	-0. 54	0. 32	0. 00
102	39	0.000	0. 00	0. 00	1. 44	-0. 54	0. 32	0. 00
	55	0.500	0. 00	0. 00	1. 44	-0. 54	1. 04	0. 00
103	55	0. 000	0. 00	0. 00	1. 44	-0. 54	1. 04	0. 00
	71	0. 475	0. 00	0. 00	1. 44	-0. 54	1. 72	0. 00
104	8	0. 000	0. 00	0. 00	2. 17	-0. 18	-1. 80	0. 00
	24	0. 475	0. 00	0. 00	2. 17	-0. 18	-0. 77	0. 00
105	24	0.000	0. 00	0. 00	2. 17	-0. 18	-0. 77	0. 00
	40	0.500	0. 00	0. 00	2. 17	-0. 18	0. 32	0. 00
106	40	0.000	0. 00	0. 00	2. 17	-0. 18	0. 32	0. 00
	56	0.500	0. 00	0. 00	2. 17	-0. 18	1. 40	0. 00
107	56	0. 000	0. 00	0. 00	2. 17	-0. 18	1. 40	0. 00
	72	0. 475	0. 00	0. 00	2. 17	-0. 18	2. 43	0. 00
108	9 25	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	2. 17 2. 17	0. 18 0. 18	-1.80 -0.77	0. 00 0. 00
109	25	0.000	0. 00	0. 00	2. 17	0. 18	-0. 77	0. 00
	41	0.500	0. 00	0. 00	2. 17	0. 18	0. 32	0. 00
110	41	0.000	0. 00	0. 00	2. 17	0. 18	0. 32	0. 00
	57	0.500	0. 00	0. 00	2. 17	0. 18	1. 40	0. 00
111	57	0. 000	0.00	0. 00	2. 17	0. 18	1. 40	0. 00
	73	0. 475	0.00	0. 00	2. 17	0. 18	2. 43	0. 00
112	10 26	0.000	0.00	0.00	1. 44 1. 44	0.54	-1. 08 -0. 40	0.00

Case. 15・スV・スF・ス・ス・ス・ス ・ ス [・ス・ス・ス・ス・ス・ス・ス・ス・ステ重

			ス ・ ス[・ス・.		• ス・ス・ス・ス			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0. 00	0.00	1. 44	0. 54	1. 04	0.00
	74	0. 475	0. 00	0.00	1. 44	0. 54	1. 72	0.00
116	11	0. 000	0.00	0.00	-28. 49	80. 77	149. 22	0. 00
	27	0. 475	0.00	0.00	-28. 49	80. 77	135. 68	0. 00
117	27	0.000	0.00	0.00	-28. 49	80. 77	135. 68	0. 00
	43	0.500	0.00	0.00	-28. 49	80. 77	121. 44	0. 00
118	43	0.000	0.00	0.00	-28. 49	80. 77	121. 44	0.00
	59	0.500	0.00	0.00	-28. 49	80. 77	107. 19	0.00
119	59	0. 000	0. 00	0. 00	-28. 49	80. 77	107. 19	0.00
	75	0. 475	0. 00	0. 00	-28. 49	80. 77	93. 66	0.00
120	12	0. 000	0. 00	0. 00	0. 66	1. 41	-0. 39	0.00
	28	0. 475	0. 00	0. 00	0. 66	1. 41	-0. 08	0.00
121	28	0. 000	0.00	0.00	0. 66	1. 41	-0. 08	0.00
	44	0. 500	0.00	0.00	0. 66	1. 41	0. 25	0.00
122	44	0. 000	0.00	0.00	0. 66	1. 41	0. 25	0.00
	60	0. 500	0.00	0.00	0. 66	1. 41	0. 58	0.00
123	60	0. 000	0.00	0.00	0. 66	1. 41	0. 58	0.00
	76	0. 475	0.00	0.00	0. 66	1. 41	0. 90	0.00
124	13	0. 000	0.00	0.00	0. 54	1. 69	-0. 34	0.00
	29	0. 475	0.00	0.00	0. 54	1. 69	-0. 09	0.00
125	29	0. 000	0.00	0.00	0. 54	1. 69	-0. 09	0.00
	45	0. 500	0.00	0.00	0. 54	1. 69	0. 18	0.00
126	45	0. 000	0.00	0.00	0. 54	1. 69	0. 18	0.00
	61	0. 500	0.00	0.00	0. 54	1. 69	0. 45	0.00
127	61	0. 000	0. 00	0.00	0. 54	1. 69	0. 45	0.00
	77	0. 475	0. 00	0.00	0. 54	1. 69	0. 71	0.00
128	14	0. 000	0.00	0.00	0. 06	1. 75	0. 06	0. 00
	30	0. 475	0.00	0.00	0. 06	1. 75	0. 08	0. 00
129	30	0. 000	0.00	0.00	0. 06	1. 75	0. 08	0.00
	46	0. 500	0.00	0.00	0. 06	1. 75	0. 11	0.00
130	46	0. 000	0.00	0.00	0. 06	1. 75	0. 11	0.00
	62	0. 500	0.00	0.00	0. 06	1. 75	0. 14	0.00
131	62	0. 000	0.00	0.00	0. 06	1. 75	0. 14	0.00
	78	0. 475	0.00	0.00	0. 06	1. 75	0. 17	0.00
132	15	0. 000	0.00	0.00	-0. 19	1. 68	0. 26	0.00
	31	0. 475	0.00	0.00	-0. 19	1. 68	0. 17	0.00
133	31	0. 000	0.00	0.00	-0. 19	1. 68	0. 17	0.00
	47	0. 500	0.00	0.00	-0. 19	1. 68	0. 08	0.00
134	47	0. 000	0. 00	0. 00	-0. 19	1. 68	0. 08	0.00
	63	0. 500	0. 00	0. 00	-0. 19	1. 68	-0. 02	0.00
135	63	0. 000	0. 00	0.00	-0. 19	1. 68	-0. 02	0.00
	79	0. 475	0. 00	0.00	-0. 19	1. 68	-0. 11	0.00
136	16	0. 000	0. 00	0.00	-107. 98	127. 01	111. 09	0.00
	32	0. 475	0. 00	0.00	-107. 98	127. 01	59. 80	0.00
137	32	0. 000	0.00	0. 00	-107. 98	127. 01	59. 80	0.00
	48	0. 500	0.00	0. 00	-107. 98	127. 01	5. 80	0.00
138	48	0. 000	0.00	0.00	-107. 98	127. 01	5. 80	0.00
	64	0. 500	0.00	0.00	-107. 98	127. 01	-48. 19	0.00
139	64	0. 000	0.00	0. 00	-107. 98	127. 01	-48. 19	0.00
	80	0. 475	0.00	0. 00	-107. 98	127. 01	-99. 48	0.00

26 27 0.000

0.00

0.00 0.00

Case. 16・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(2・スN)

Case.	16 · XV	• 7F • 7 • 7 •	ス ・ ス[・ス・)	ス・ス・ス ・ス・	· スラ重(2 • スN)			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0.000 0.900	0. 00 0. 00	0.00 0.00	113. 81 113. 81	-111. 09 -111. 09	-127. 01 -24. 58	0. 00 0. 00
2	2 3	0. 000 0. 575	0.00 0.00	0.00 0.00	113. 62 113. 62	-111. 35 -111. 35	-26. 26 39. 07	0. 00 0. 00
3	3	0.000	0. 00	0.00	113. 68	-111. 41	37. 32	0. 00
	4	1.000	0. 00	0.00	113. 68	-111. 41	151. 00	0. 00
4	4	0.000	0.00	0.00	114. 22	-111. 06	149. 31	0. 00
	5	1.000	0.00	0.00	114. 22	-111. 06	263. 53	0. 00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	114. 88 114. 88 114. 88	-110. 67 -110. 67 -110. 67	262. 12 263. 61 377. 00	0. 00 0. 00 0. 00
6	6	0.000	0. 00	0.00	-3. 61	-2. 89	296. 22	0. 00
	7	1.000	0. 00	0.00	-3. 61	-2. 89	292. 61	0. 00
7	7	0.000	0. 00	0.00	-2. 17	-1.80	292. 07	0. 00
	8	1.000	0. 00	0.00	-2. 17	-1.80	289. 90	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	0. 00 0. 00 0. 00	0.00 0.00 0.00	289. 72 289. 72 289. 72	0.00 0.00 0.00
9	9	0.000	0. 00	0. 00	2. 17	1.80	289. 90	0. 00
	10	1.000	0. 00	0. 00	2. 17	1.80	292. 07	0. 00
10	10	0.000	0. 00	0.00	3. 61	2. 89	292. 61	0. 00
	11	1.000	0. 00	0.00	3. 61	2. 89	296. 22	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-114. 88 -114. 88 -114. 88	110. 67 110. 67 110. 67	377. 00 263. 61 262. 12	0.00 0.00 0.00
12	12	0.000	0. 00	0. 00	-114. 22	111. 06	263. 53	0. 00
	13	1.000	0. 00	0. 00	-114. 22	111. 06	149. 31	0. 00
13	13	0.000	0.00	0.00	-113. 68	111. 41	151. 00	0.00
	14	1.000	0.00	0.00	-113. 68	111. 41	37. 32	0.00
14	14	0.000	0. 00	0.00	-113. 62	111. 35	39. 07	0. 00
	15	0.575	0. 00	0.00	-113. 62	111. 35	-26. 26	0. 00
15	15	0.000	0. 00	0.00	-113. 81	111. 09	-24. 58	0. 00
	16	0.900	0. 00	0.00	-113. 81	111. 09	-127. 01	0. 00
16	17	0.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	18	0.900	0. 00	0.00	0. 00	0.00	0.00	0. 00
17	18	0.000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
	19	0.575	0. 00	0.00	0. 00	0. 00	0.00	0. 00
18	19	0.000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
	20	1.000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
19	20	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	21	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
20	21	0.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	22	1.000	0. 00	0.00	0. 00	0.00	0.00	0. 00
21	22	0.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	23	1.000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
22	23	0.000	0.00	0.00	0. 00	0. 00	0. 00	0.00
	24	1.000	0.00	0.00	0. 00	0. 00	0. 00	0.00
23	24	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	25	1.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
24	25	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	26	1.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
0.0	0.7	0 000	0 00				0 00	0 00

0.00

0.00

Case. 16・スV・スF・ス・ス・ス・ス ・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(2・スN)

Case.	16 · XV ·	スF • ス • ス •	ス^・ス[・ス・	ス・ス・ス ・ス・	スラ重(2・スN)			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0. 00	0. 00	0.00	0.00
	31	0. 575	0.00	0.00	0. 00	0. 00	0.00	0.00
30	31	0.000	0.00	0. 00	0.00	0. 00	0.00	0.00
	32	0.900	0.00	0. 00	0.00	0. 00	0.00	0.00
31	33	0.000	0. 00	0. 00	0.00	0. 00	0. 00	0.00
	34	0.900	0. 00	0. 00	0.00	0. 00	0. 00	0.00
32	34	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	35	0. 575	0.00	0.00	0.00	0.00	0.00	0.00
33	35	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	36	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
34	36	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	37	1.000	0.00	0.00	0.00	0.00	0.00	0.00
35	37	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	38	1.000	0.00	0.00	0.00	0.00	0.00	0.00
36	38	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	39	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
37	39	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	40	1.000	0.00	0.00	0.00	0.00	0.00	0.00
38	40	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	41	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
39	41	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	42	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
40	42	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	43	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
41	43	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	44	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
42	44	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	45	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
43	45	0. 000	0.00	0. 00	0.00	0. 00	0.00	0.00
	46	1. 000	0.00	0. 00	0.00	0. 00	0.00	0.00
44	46	0. 000	0.00	0. 00	0.00	0. 00	0.00	0.00
	47	0. 575	0.00	0. 00	0.00	0. 00	0.00	0.00
45	47	0. 000	0.00	0. 00	0.00	0. 00	0.00	0.00
	48	0. 900	0.00	0. 00	0.00	0. 00	0.00	0.00
46	49	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	50	0. 900	0.00	0.00	0.00	0. 00	0.00	0.00
47	50	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	51	0. 575	0.00	0.00	0.00	0. 00	0.00	0.00
48	51	0. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
	52	1. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
49	52	0. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
	53	1. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
50	53	0. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
	54	1. 000	0.00	0.00	0.00	0. 00	0.00	0. 00
51	54	0. 000	0.00	0.00	0.00	0. 00	0.00	0.00
	55	1. 000	0.00	0.00	0.00	0. 00	0.00	0.00
52	55	0. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
	56	1. 000	0. 00	0.00	0.00	0.00	0. 00	0. 00
53	56	0. 000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0.00	0.00	0. 00	0. 00	0. 00
54	57	0. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	58	1. 000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 16・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ス・スラ重(2・スN)

83 50 0.000 0.00

Case.	16 · XV ·	スF • ス • ス •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	スラ重(2・スN)			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61 62	0.000 1.000	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
59	62 63	0.000 0.575	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00
60	63 64	0.000 0.900	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
61	65 66	0.000 0.900	0.00 0.00	0. 00 0. 00	-23. 81 -23. 81	-99. 48 -99. 48	127. 01 105. 58	0.00 0.00
62	66 67	0. 000 0. 575	0.00 0.00	0. 00 0. 00	-23. 62 -23. 62	-99. 59 -99. 59	107. 26 93. 68	0. 00 0. 00
63	67 68	0.000 1.000	0.00 0.00	0. 00 0. 00	-23. 68 -23. 68	-99. 42 -99. 42	95. 43 71. 75	0.00 0.00
64	68 69	0.000 1.000	0.00 0.00	0. 00 0. 00	-24. 22 -24. 22	-98. 71 -98. 71	73. 44 49. 22	0. 00 0. 00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-24. 88 -24. 88 -24. 88	-97. 81 -97. 81 -97. 81	50. 63 50. 31 25. 75	0.00 0.00 0.00
66	70 71	0.000 1.000	0.00 0.00	0. 00 0. 00	3. 61 3. 61	-4. 15 -4. 15	106. 53 110. 14	0.00 0.00
67	71 72	0.000 1.000	0.00 0.00	0. 00 0. 00	2. 17 2. 17	-2. 43 -2. 43	110. 68 112. 85	0. 00 0. 00
68	72 73	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	113. 03 113. 03 113. 03	0. 00 0. 00 0. 00
69	73 74	0.000 1.000	0. 00 0. 00	0. 00 0. 00	-2. 17 -2. 17	2. 43 2. 43	112. 85 110. 68	0. 00 0. 00
70	74 75	0.000 1.000	0.00 0.00	0. 00 0. 00	-3. 61 -3. 61	4. 15 4. 15	110. 14 106. 53	0. 00 0. 00
71	75	0.000 0.987	0.00 0.00	0. 00 0. 00	24. 88 24. 88	97. 81 97. 81	25. 75 50. 31	0.00 0.00
72	76 76	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00	24. 88 24. 22	97. 81 98. 71	50. 63 49. 22	0. 00 0. 00
73	77 77	1. 000 0. 000	0.00	0.00	24. 22 23. 68	98. 71 99. 42	73. 44 71. 75	0.00
74	78 78 79	1. 000 0. 000 0. 575	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	23. 68 23. 62 23. 62	99. 42 99. 59 99. 59	95. 43 93. 68 107. 26	0.00
75	79 79 80	0. 000 0. 900	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	23. 81 23. 81	99. 48 99. 48	107. 20 105. 58 127. 01	0. 00 0. 00 0. 00
76	1 17	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	107. 98 107. 98	127. 01 127. 01	-111. 09 -59. 80	0. 00 0. 00
77	17 33	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	107. 98 107. 98	127. 01 127. 01	-59. 80 -5. 80	0. 00 0. 00
78	33 49	0.000 0.500	0.00 0.00	0. 00 0. 00	107. 98 107. 98	127. 01 127. 01	-5. 80 48. 19	0. 00 0. 00
79	49 65	0.000 0.475	0.00 0.00	0.00 0.00	107. 98 107. 98	127. 01 127. 01	48. 19 99. 48	0.00 0.00
80	2 18	0.000 0.475	0.00 0.00	0.00 0.00	0. 19 0. 19	1. 68 1. 68	-0. 26 -0. 17	0.00 0.00
81	18 34	0.000 0.500	0.00 0.00	0.00 0.00	0. 19 0. 19	1. 68 1. 68	-0. 17 -0. 08	0.00 0.00
82	34 50	0.000 0.500	0.00 0.00	0.00 0.00	0. 19 0. 19	1. 68 1. 68	-0.08 0.02	0.00 0.00
0.0	= 0	0 000	0.00	0.00	0.40	4 60	0.00	0 00

0.00 0.19 1.68 0.02

Case. 16・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ス・スラ重(2・スN)

Case.	. 16・スV・	λ F • λ • λ •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	スラ重(2・スN)			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0. 00	0. 00	-0.06	1. 75	-0. 11	0. 00
	51	0. 500	0. 00	0. 00	-0.06	1. 75	-0. 14	0. 00
87	51	0. 000	0.00	0.00	-0.06	1. 75	-0. 14	0. 00
	67	0. 475	0.00	0.00	-0.06	1. 75	-0. 17	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-0. 54 -0. 54	1. 69 1. 69	0. 34 0. 09	0. 00 0. 00
89	20	0. 000	0. 00	0. 00	-0. 54	1. 69	0. 09	0. 00
	36	0. 500	0. 00	0. 00	-0. 54	1. 69	-0. 18	0. 00
90	36	0. 000	0. 00	0. 00	-0. 54	1. 69	-0. 18	0. 00
	52	0. 500	0. 00	0. 00	-0. 54	1. 69	-0. 45	0. 00
91	52	0. 000	0. 00	0. 00	-0. 54	1. 69	-0. 45	0. 00
	68	0. 475	0. 00	0. 00	-0. 54	1. 69	-0. 71	0. 00
92	5	0. 000	0. 00	0. 00	-0. 66	1. 41	0. 39	0. 00
	21	0. 475	0. 00	0. 00	-0. 66	1. 41	0. 08	0. 00
93	21	0. 000	0. 00	0. 00	-0. 66	1. 41	0. 08	0. 00
	37	0. 500	0. 00	0. 00	-0. 66	1. 41	-0. 25	0. 00
94	37	0. 000	0. 00	0. 00	-0. 66	1. 41	-0. 25	0. 00
	53	0. 500	0. 00	0. 00	-0. 66	1. 41	-0. 58	0. 00
95	53	0. 000	0. 00	0. 00	-0. 66	1. 41	-0. 58	0. 00
	69	0. 475	0. 00	0. 00	-0. 66	1. 41	-0. 90	0. 00
96	6	0. 000	0. 00	0. 00	28. 49	80. 77	-149. 22	0. 00
	22	0. 475	0. 00	0. 00	28. 49	80. 77	-135. 68	0. 00
97	22	0. 000	0. 00	0. 00	28. 49	80. 77	-135. 68	0. 00
	38	0. 500	0. 00	0. 00	28. 49	80. 77	-121. 44	0. 00
98	38	0. 000	0. 00	0. 00	28. 49	80. 77	-121. 44	0. 00
	54	0. 500	0. 00	0. 00	28. 49	80. 77	-107. 19	0. 00
99	54	0. 000	0. 00	0. 00	28. 49	80. 77	-107. 19	0. 00
	70	0. 475	0. 00	0. 00	28. 49	80. 77	-93. 66	0. 00
100	7	0. 000	0. 00	0. 00	-1. 44	0. 54	1. 08	0. 00
	23	0. 475	0. 00	0. 00	-1. 44	0. 54	0. 40	0. 00
101	23	0. 000	0. 00	0. 00	-1. 44	0. 54	0. 40	0. 00
	39	0. 500	0. 00	0. 00	-1. 44	0. 54	-0. 32	0. 00
102	39	0. 000	0. 00	0. 00	-1. 44	0. 54	-0. 32	0. 00
	55	0. 500	0. 00	0. 00	-1. 44	0. 54	-1. 04	0. 00
103	55	0. 000	0. 00	0. 00	-1. 44	0. 54	-1. 04	0. 00
	71	0. 475	0. 00	0. 00	-1. 44	0. 54	-1. 72	0. 00
104	8	0. 000	0. 00	0. 00	-2. 17	0. 18	1. 80	0. 00
	24	0. 475	0. 00	0. 00	-2. 17	0. 18	0. 77	0. 00
105	24	0. 000	0. 00	0. 00	-2. 17	0. 18	0. 77	0. 00
	40	0. 500	0. 00	0. 00	-2. 17	0. 18	-0. 32	0. 00
106	40	0. 000	0. 00	0. 00	-2. 17	0. 18	-0. 32	0. 00
	56	0. 500	0. 00	0. 00	-2. 17	0. 18	-1. 40	0. 00
107	56	0. 000	0. 00	0. 00	-2. 17	0. 18	-1. 40	0. 00
	72	0. 475	0. 00	0. 00	-2. 17	0. 18	-2. 43	0. 00
108	9	0. 000	0. 00	0. 00	-2. 17	-0. 18	1. 80	0. 00
	25	0. 475	0. 00	0. 00	-2. 17	-0. 18	0. 77	0. 00
109	25	0. 000	0. 00	0. 00	-2. 17	-0. 18	0. 77	0. 00
	41	0. 500	0. 00	0. 00	-2. 17	-0. 18	-0. 32	0. 00
110	41	0.000	0.00	0.00	-2. 17	-0. 18	-0. 32	0. 00
	57	0.500	0.00	0.00	-2. 17	-0. 18	-1. 40	0. 00
111	57	0. 000	0. 00	0. 00	-2. 17	-0. 18	-1. 40	0.00
	73	0. 475	0. 00	0. 00	-2. 17	-0. 18	-2. 43	0.00
112	10 26	0.000	0.00	0.00	-1. 44 -1. 44	-0. 54 -0. 54	1. 08	0.00

Case. 16・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ス・スラ重(2・スN)

Case.	16 · XV ·	ス F ・ ス ・ ス ・	ス^・ス[・ス・フ	ス・ス・ス ・ス・	スラ重(2・スN)			
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-1. 44 -1. 44	-0. 54 -0. 54	-1. 04 -1. 72	0.00 0.00
116	11 27	0. 000 0. 475	0.00 0.00	0.00 0.00	28. 49 28. 49	-80. 77 -80. 77	-149. 22 -135. 68	0.00 0.00
117	27 43	0.000 0.500	0.00 0.00	0. 00 0. 00	28. 49 28. 49	-80. 77 -80. 77	-135. 68 -121. 44	0.00 0.00
118	43 59	0.000 0.500	0.00 0.00	0.00 0.00	28. 49 28. 49	-80. 77 -80. 77	-121. 44 -107. 19	0.00 0.00
119	59 75	0.000 0.475	0.00 0.00	0.00 0.00	28. 49 28. 49	-80. 77 -80. 77	-107. 19 -93. 66	0.00 0.00
120	12 28	0.000 0.475	0.00 0.00	0.00 0.00	-0. 66 -0. 66	-1.41 -1.41	0. 39 0. 08	0. 00 0. 00
121	28 44	0.000 0.500	0.00 0.00	0.00 0.00	-0. 66 -0. 66	-1.41 -1.41	0. 08 -0. 25	0. 00 0. 00
122	44 60	0.000 0.500	0.00 0.00	0. 00 0. 00	-0. 66 -0. 66	-1. 41 -1. 41	-0. 25 -0. 58	0.00 0.00
123	60 76	0.000 0.475	0.00 0.00	0.00 0.00	-0. 66 -0. 66	-1.41 -1.41	-0. 58 -0. 90	0. 00 0. 00
124	13 29	0.000 0.475	0.00 0.00	0.00 0.00	-0. 54 -0. 54	-1.69 -1.69	0. 34 0. 09	0. 00 0. 00
125	29 45	0.000 0.500	0.00 0.00	0. 00 0. 00	-0. 54 -0. 54	-1. 69 -1. 69	0. 09 -0. 18	0. 00 0. 00
126	45 61	0.000 0.500	0.00 0.00	0.00 0.00	-0. 54 -0. 54	-1. 69 -1. 69	-0. 18 -0. 45	0.00 0.00
127	61 77	0.000 0.475	0.00 0.00	0.00 0.00	-0. 54 -0. 54	-1.69 -1.69	-0. 45 -0. 71	0. 00 0. 00
128	14 30	0.000 0.475	0.00 0.00	0.00 0.00	-0. 06 -0. 06	-1. 75 -1. 75	-0.06 -0.08	0.00 0.00
129	30 46	0.000 0.500	0.00 0.00	0.00 0.00	-0. 06 -0. 06	-1. 75 -1. 75	-0. 08 -0. 11	0. 00 0. 00
130	46 62	0.000 0.500	0.00 0.00	0. 00 0. 00	-0. 06 -0. 06	-1. 75 -1. 75	-0. 11 -0. 14	0. 00 0. 00
131	62 78	0.000 0.475	0.00 0.00	0.00 0.00	-0. 06 -0. 06	-1. 75 -1. 75	-0.14 -0.17	0.00 0.00
132	15 31	0.000 0.475	0.00 0.00	0. 00 0. 00	0. 19 0. 19	-1. 68 -1. 68	-0. 26 -0. 17	0. 00 0. 00
133	31 47	0.000 0.500	0. 00 0. 00	0. 00 0. 00	0. 19 0. 19	-1. 68 -1. 68	-0. 17 -0. 08	0. 00 0. 00
134	47 63	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 19 0. 19	-1. 68 -1. 68	-0. 08 0. 02	0.00 0.00
135	63 79	0.000 0.475	0.00 0.00	0.00 0.00	0. 19 0. 19	-1. 68 -1. 68	0. 02 0. 11	0. 00 0. 00
136	16 32	0.000 0.475	0.00 0.00	0. 00 0. 00	107. 98 107. 98	-127.01 -127.01	-111. 09 -59. 80	0. 00 0. 00
137	32 48	0.000 0.500	0.00 0.00	0. 00 0. 00	107. 98 107. 98	-127. 01 -127. 01	-59. 80 -5. 80	0. 00 0. 00
138	48 64	0.000 0.500	0.00 0.00	0.00 0.00	107. 98 107. 98	-127.01 -127.01	-5. 80 48. 19	0.00 0.00
139	64 80	0. 000 0. 475	0. 00 0. 00	0.00 0.00	107. 98 107. 98	-127. 01 -127. 01	48. 19 99. 48	0. 00 0. 00

Case. 17・スV・スF・ス・ス・ス・ス゚・ス [・ス・ス・ス・ス・ス・ス ・ス・スラ重(30・スN)]

Case.	17 · XV ·	スF • ス • ス •	ス^・ス[・ス・	ス・ス・ス ・ス・	スラ重(30・スN	()		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1	0. 000	0. 00	0.00	161. 47	-142. 90	-146. 55	0.00
	2	0. 900	0. 00	0.00	161. 47	-142. 90	-1. 22	0.00
2	2	0. 000	0. 00	0.00	160. 58	-143. 77	-3. 21	0.00
	3	0. 575	0. 00	0.00	160. 58	-143. 77	89. 12	0.00
3	3	0. 000	0. 00	0.00	159. 66	-144. 67	86. 98	0.00
	4	1. 000	0. 00	0.00	159. 66	-144. 67	246. 64	0.00
4	4	0.000	0. 00	0.00	159. 03	-145. 28	244. 34	0.00
	5	1.000	0. 00	0.00	159. 03	-145. 28	403. 37	0.00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	158. 89 158. 89 158. 89	-145. 41 -145. 41 -145. 41	401. 04 403. 10 559. 93	0. 00 0. 00 0. 00
6	6	0.000	0. 00	0.00	-124. 51	-51. 63	1171. 67	0. 00
	7	1.000	0. 00	0.00	-124. 51	-51. 63	1047. 16	0. 00
7	7	0. 000	0.00	0.00	-121. 96	-49. 14	1045. 81	0. 00
	8	1. 000	0.00	0.00	-121. 96	-49. 14	923. 84	0. 00
8	8 9	0. 000 0. 500 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-118. 75 -118. 75 -118. 75	-46. 01 -46. 01 -46. 01	923. 14 863. 76 804. 39	0.00 0.00 0.00
9	9	0. 000	0.00	0.00	-115. 97	-43. 30	804. 11	0. 00
	10	1. 000	0.00	0.00	-115. 97	-43. 30	688. 15	0. 00
10	10	0. 000	0.00	0.00	-114. 27	-41. 65	688. 09	0.00
	11	1. 000	0.00	0.00	-114. 27	-41. 65	573. 82	0.00
11	11 12	0. 000 0. 987 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-349. 49 -349. 49 -349. 49	98. 92 98. 92 98. 92	1380. 47 1035. 52 1030. 98	0. 00 0. 00 0. 00
12	12	0.000	0.00	0. 00	-347. 14	101. 21	1032. 06	0.00
	13	1.000	0.00	0. 00	-347. 14	101. 21	684. 92	0.00
13	13	0. 000	0.00	0.00	-344. 78	103. 51	686. 71	0.00
	14	1. 000	0.00	0.00	-344. 78	103. 51	341. 92	0.00
14	14	0. 000	0.00	0.00	-343. 46	104. 80	344. 00	0. 00
	15	0. 575	0.00	0.00	-343. 46	104. 80	146. 51	0. 00
15	15	0. 000	0.00	0.00	-342. 87	105. 37	148. 59	0. 00
	16	0. 900	0.00	0.00	-342. 87	105. 37	-160. 00	0. 00
16	17	0.000	0. 00	0.00	0.00	0.00	0.00	0. 00
	18	0.900	0. 00	0.00	0.00	0.00	0.00	0. 00
17	18	0. 000	0. 00	0. 00	0.00	0.00	0.00	0. 00
	19	0. 575	0. 00	0. 00	0.00	0.00	0.00	0. 00
18	19	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	20	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
19	20	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	21	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
20	21	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	22	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
21	22	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	23	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
22	23	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	24	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
23	24	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	25	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
24	25	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	26	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
25	26	0. 000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
	27	1. 000	0. 00	0.00	0. 00	0. 00	0.00	0. 00
26	27	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 17・スV・スF・ス・ス・ス・ス ・ス 「・ス・ス・ス・ス・ス・ス ・ ス ・ スラ重(30・スN)

Case.	17 · XV ·	スF • ス • ス •	ス^・ス[・ス・3	ス・ス・ス ・ス・	スラ重(30・スN)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	31	0. 575	0.00	0.00	0. 00	0.00	0.00	0.00
30	31	0.000	0. 00	0. 00	0. 00	0.00	0.00	0.00
	32	0.900	0. 00	0. 00	0. 00	0.00	0.00	0.00
31	33	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	34	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
32	34	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	35	0. 575	0.00	0.00	0.00	0.00	0.00	0. 00
33	35	0. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
	36	1. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
34	36	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	37	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
35	37	0.000	0.00	0. 00	0. 00	0.00	0.00	0.00
	38	1.000	0.00	0. 00	0. 00	0.00	0.00	0.00
36	38	0. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
	39	1. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
37	39	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	40	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
38	40	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	41	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
39	41	0. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
	42	1. 000	0.00	0. 00	0. 00	0.00	0.00	0.00
40	42	0.000	0.00	0. 00	0. 00	0.00	0.00	0.00
	43	1.000	0.00	0. 00	0. 00	0.00	0.00	0.00
41	43	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	44	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
42	44	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	45	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
43	45	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	46	1. 000	0.00	0.00	0. 00	0.00	0.00	0.00
44	46	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	47	0. 575	0.00	0.00	0. 00	0.00	0.00	0.00
45	47	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	48	0. 900	0. 00	0.00	0. 00	0.00	0.00	0. 00
46	49	0. 000	0.00	0.00	0. 00	0.00	0.00	0.00
	50	0. 900	0.00	0.00	0. 00	0.00	0.00	0.00
47	50	0. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
	51	0. 575	0.00	0.00	0. 00	0.00	0. 00	0. 00
48	51	0. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
	52	1. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
49	52	0. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
	53	1. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
50	53	0. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
	54	1. 000	0.00	0.00	0. 00	0.00	0. 00	0. 00
51	54	0. 000	0.00	0.00	0. 00	0.00	0.00	0. 00
	55	1. 000	0.00	0.00	0. 00	0.00	0.00	0. 00
52	55	0. 000	0. 00	0.00	0. 00	0.00	0.00	0.00
	56	1. 000	0. 00	0.00	0. 00	0.00	0.00	0.00
53	56	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	57	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
54	57	0. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
	58	1. 000	0. 00	0.00	0. 00	0. 00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 17・スV・スF・ス・ス・ス・ス ・ス[・ス・ス・ス・ス・ス・ス ・ ス ・ スラ重(30・スN)

50 0.000 0.00

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Case.	17 · XV ·	• 7F • 7 • 7 •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	スラ重(30・スハ	ī)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	62	1. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
59	62	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	63	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
60	63	0. 000	0. 00	0. 00	0.00	0.00	0. 00	0.00
	64	0. 900	0. 00	0. 00	0.00	0.00	0. 00	0.00
61	65	0. 000	0.00	0.00	102. 54	-144. 08	146. 55	0. 00
	66	0. 900	0.00	0.00	102. 54	-144. 08	238. 83	0. 00
62	66	0. 000	0. 00	0. 00	103. 44	-144. 95	240. 82	0. 00
	67	0. 575	0. 00	0. 00	103. 44	-144. 95	300. 30	0. 00
63	67	0. 000	0.00	0.00	104. 36	-145. 85	302. 44	0. 00
	68	1. 000	0.00	0.00	104. 36	-145. 85	406. 80	0. 00
64	68	0. 000	0.00	0.00	104. 98	-146. 46	409. 10	0. 00
	69	1. 000	0.00	0.00	104. 98	-146. 46	514. 08	0. 00
65	69 70	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	105. 12 105. 12 105. 12	-146. 59 -146. 59 -146. 59	516. 41 517. 78 621. 53	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0. 00	8. 53	-52. 03	818. 79	0. 00
	71	1. 000	0. 00	0. 00	8. 53	-52. 03	827. 32	0. 00
67	71	0. 000	0. 00	0. 00	5. 98	-49. 54	828. 67	0. 00
	72	1. 000	0. 00	0. 00	5. 98	-49. 54	834. 65	0. 00
68	72 73	0. 000 0. 500 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	2. 76 2. 76 2. 76	-46. 40 -46. 40 -46. 40	835. 35 836. 74 838. 12	0.00 0.00 0.00
69	73	0. 000	0. 00	0. 00	-0. 02	-43. 69	838. 39	0. 00
	74	1. 000	0. 00	0. 00	-0. 02	-43. 69	838. 38	0. 00
70	74	0. 000	0. 00	0. 00	-1. 71	-42. 03	838. 43	0. 00
	75	1. 000	0. 00	0. 00	-1. 71	-42. 03	836. 71	0. 00
71	75	0. 000 0. 987	0.00 0.00	0. 00 0. 00	-146. 49 -146. 49	99. 72 99. 72	839. 06 694. 47	0. 00 0. 00
72	76	1. 000	0. 00	0. 00	-146. 49	99. 72	692. 57	0. 00
	76	0. 000	0. 00	0. 00	-148. 84	102. 01	691. 49	0. 00
73	77	1. 000	0. 00	0. 00	-148. 84	102. 01	542. 64	0. 00
	77	0. 000	0. 00	0. 00	-151. 20	104. 31	540. 86	0. 00
74	78 78	1. 000 0. 000	0.00	0.00	-151. 20 -152. 52	104. 31 105. 60	389. 66 387. 58	0.00
75	79 79 80	0. 575 0. 000 0. 900	0. 00 0. 00 0. 00	0.00	-152. 52 -153. 11 -153. 11	105. 60 106. 17	299. 87 297. 80	0.00
76	1 17	0. 900 0. 000 0. 475	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	147. 17 147. 17	106. 17 146. 55 146. 55	160. 00 -142. 90 -73. 00	0. 00 0. 00 0. 00
77	17 17 33	0. 473 0. 000 0. 500	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	147. 17 147. 17 147. 17	146. 55 146. 55	-73. 00 0. 59	0. 00 0. 00 0. 00
78	33	0. 000	0. 00	0. 00	147. 17	146. 55	0. 59	0. 00
	49	0. 500	0. 00	0. 00	147. 17	146. 55	74. 17	0. 00
79	49	0. 000	0. 00	0. 00	147. 17	146. 55	74. 17	0. 00
	65	0. 475	0. 00	0. 00	147. 17	146. 55	144. 08	0. 00
80	2	0. 000	0. 00	0. 00	0. 90	1. 99	-0. 87	0. 00
	18	0. 475	0. 00	0. 00	0. 90	1. 99	-0. 45	0. 00
81	18	0. 000	0. 00	0. 00	0. 90	1. 99	-0. 45	0. 00
	34	0. 500	0. 00	0. 00	0. 90	1. 99	0. 00	0. 00
82	34	0. 000	0. 00	0. 00	0. 90	1. 99	0. 00	0. 00
	50	0. 500	0. 00	0. 00	0. 90	1. 99	0. 45	0. 00
0.0			0.00	0.00		4 00	o	0.00

0.00

0.00 0.90 1.99 0.45

Case. 17・スV・スF・ス・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(30・スN)

Case.	17・スV・	スF • ス • ス •	ス^・ス[・ス・2	ス・ス・ス ・ス・	スラ重(30・スN	1)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0.00	0.00	0. 92	2. 14	0. 00	0. 00
	51	0. 500	0.00	0.00	0. 92	2. 14	0. 46	0. 00
87	51	0. 000	0.00	0. 00	0. 92	2. 14	0. 46	0. 00
	67	0. 475	0.00	0. 00	0. 92	2. 14	0. 90	0. 00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0. 00 0. 00	0. 63 0. 63	2. 30 2. 30	-0. 61 -0. 31	0.00 0.00
89	20	0.000	0.00	0.00	0. 63	2. 30	-0. 31	0. 00
	36	0.500	0.00	0.00	0. 63	2. 30	0. 00	0. 00
90	36	0.000	0. 00	0.00	0. 63	2. 30	0. 00	0. 00
	52	0.500	0. 00	0.00	0. 63	2. 30	0. 31	0. 00
91	52	0. 000	0.00	0. 00	0. 63	2. 30	0. 31	0. 00
	68	0. 475	0.00	0. 00	0. 63	2. 30	0. 61	0. 00
92	5	0. 000	0.00	0.00	0. 14	2. 33	-0. 13	0.00
	21	0. 475	0.00	0.00	0. 14	2. 33	-0. 07	0.00
93	21 37	0.000 0.500	0.00 0.00	0. 00 0. 00	0. 14 0. 14	2. 33 2. 33	-0.07 0.00	0.00 0.00
94	37	0.000	0.00	0.00	0. 14	2. 33	0. 00	0.00
	53	0.500	0.00	0.00	0. 14	2. 33	0. 07	0.00
95	53	0. 000	0.00	0.00	0. 14	2. 33	0. 07	0. 00
	69	0. 475	0.00	0.00	0. 14	2. 33	0. 13	0. 00
96	6	0. 000	0.00	0.00	-96. 59	197. 26	93. 79	0. 00
	22	0. 475	0.00	0.00	-96. 59	197. 26	47. 91	0. 00
97	22	0.000	0.00	0.00	-96. 59	197. 26	47. 91	0. 00
	38	0.500	0.00	0.00	-96. 59	197. 26	-0. 39	0. 00
98	38	0. 000	0. 00	0.00	-96. 59	197. 26	-0. 39	0.00
	54	0. 500	0. 00	0.00	-96. 59	197. 26	-48. 69	0.00
99	54	0. 000	0. 00	0.00	-96. 59	197. 26	-48. 69	0. 00
	70	0. 475	0. 00	0.00	-96. 59	197. 26	-94. 57	0. 00
100	7	0. 000	0. 00	0.00	-2. 55	1. 35	2. 48	0. 00
	23	0. 475	0. 00	0.00	-2. 55	1. 35	1. 27	0. 00
101	23	0. 000	0. 00	0.00	-2.55	1. 35	1. 27	0. 00
	39	0. 500	0. 00	0.00	-2.55	1. 35	0. 00	0. 00
102	39	0. 000	0. 00	0.00	-2.55	1. 35	0.00	0. 00
	55	0. 500	0. 00	0.00	-2.55	1. 35	-1.28	0. 00
103	55	0. 000	0. 00	0.00	-2. 55	1. 35	-1. 28	0. 00
	71	0. 475	0. 00	0.00	-2. 55	1. 35	-2. 49	0. 00
104	8	0. 000	0. 00	0.00	-3. 22	0. 71	3. 13	0. 00
	24	0. 475	0. 00	0.00	-3. 22	0. 71	1. 61	0. 00
105	24	0.000	0.00	0. 00	-3. 22	0. 71	1.61	0. 00
	40	0.500	0.00	0. 00	-3. 22	0. 71	0.00	0. 00
106	40	0.000	0.00	0.00	-3. 22	0. 71	0.00	0. 00
	56	0.500	0.00	0.00	-3. 22	0. 71	-1.61	0. 00
107	56	0. 000	0.00	0.00	-3. 22	0. 71	-1. 61	0.00
	72	0. 475	0.00	0.00	-3. 22	0. 71	-3. 14	0.00
108	9	0. 000	0.00	0. 00	-2. 78	0. 28	2. 71	0. 00
	25	0. 475	0.00	0. 00	-2. 78	0. 28	1. 39	0. 00
109	25	0.000	0.00	0. 00	-2. 78	0. 28	1. 39	0. 00
	41	0.500	0.00	0. 00	-2. 78	0. 28	0. 00	0. 00
110	41	0.000	0.00	0.00	-2. 78	0. 28	0. 00	0.00
	57	0.500	0.00	0.00	-2. 78	0. 28	-1. 39	0.00
111	57	0. 000	0.00	0.00	-2. 78	0. 28	-1. 39	0.00
	73	0. 475	0.00	0.00	-2. 78	0. 28	-2. 71	0.00
112	10 26	0.000	0.00	0.00	-1.70 -1.70	0.05	1.65	0.00

Case. 17・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ ス ・ スラ重(30・スN)

case.	11 · V	• \r • \ • \ •	, y • yr • y •	Y • Y • Y • Y	• A7里(30 • A	N)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58	0. 000	0. 00	0.00	-1. 70	0. 05	-0.85	0.00
	74	0. 475	0. 00	0.00	-1. 70	0. 05	-1.66	0.00
116	11	0. 000	0. 00	0. 00	-144. 78	2. 35	140. 57	0. 00
	27	0. 475	0. 00	0. 00	-144. 78	2. 35	71. 80	0. 00
117	27	0.000	0. 00	0. 00	-144. 78	2. 35	71. 80	0. 00
	43	0.500	0. 00	0. 00	-144. 78	2. 35	-0. 59	0. 00
118	43	0. 000	0. 00	0.00	-144. 78	2. 35	-0. 59	0.00
	59	0. 500	0. 00	0.00	-144. 78	2. 35	-72. 98	0.00
119	59	0. 000	0. 00	0.00	-144. 78	2. 35	-72. 98	0.00
	75	0. 475	0. 00	0.00	-144. 78	2. 35	-141. 75	0.00
120	12	0. 000	0. 00	0.00	-2. 35	-1. 08	2. 29	0.00
	28	0. 475	0. 00	0.00	-2. 35	-1. 08	1. 18	0.00
121	28	0. 000	0. 00	0. 00	-2. 35	-1. 08	1. 18	0.00
	44	0. 500	0. 00	0. 00	-2. 35	-1. 08	0. 00	0.00
122	44	0. 000	0. 00	0.00	-2. 35	-1. 08	0.00	0.00
	60	0. 500	0. 00	0.00	-2. 35	-1. 08	-1.18	0.00
123	60	0. 000	0. 00	0.00	-2. 35	-1. 08	-1. 18	0.00
	76	0. 475	0. 00	0.00	-2. 35	-1. 08	-2. 30	0.00
124	13	0. 000	0. 00	0.00	-2. 36	-1. 78	2. 30	0.00
	29	0. 475	0. 00	0.00	-2. 36	-1. 78	1. 18	0.00
125	29	0. 000	0. 00	0.00	-2. 36	-1. 78	1. 18	0.00
	45	0. 500	0. 00	0.00	-2. 36	-1. 78	0. 00	0.00
126	45	0. 000	0. 00	0.00	-2. 36	-1. 78	0.00	0.00
	61	0. 500	0. 00	0.00	-2. 36	-1. 78	-1.18	0.00
127	61	0. 000	0. 00	0.00	-2. 36	-1. 78	-1. 18	0.00
	77	0. 475	0. 00	0.00	-2. 36	-1. 78	-2. 30	0.00
128	14	0. 000	0. 00	0.00	-1. 32	-2. 08	1. 29	0.00
	30	0. 475	0. 00	0.00	-1. 32	-2. 08	0. 66	0.00
129	30	0. 000	0. 00	0.00	-1. 32	-2. 08	0.66	0.00
	46	0. 500	0. 00	0.00	-1. 32	-2. 08	0.00	0.00
130	46	0. 000	0.00	0.00	-1. 32	-2. 08	0.00	0.00
	62	0. 500	0.00	0.00	-1. 32	-2. 08	-0.66	0.00
131	62	0. 000	0. 00	0.00	-1. 32	-2. 08	-0. 66	0.00
	78	0. 475	0. 00	0.00	-1. 32	-2. 08	-1. 29	0.00
132	15	0. 000	0. 00	0. 00	-0. 59	-2. 07	0. 57	0.00
	31	0. 475	0. 00	0. 00	-0. 59	-2. 07	0. 29	0.00
133	31	0. 000	0. 00	0. 00	-0. 59	-2. 07	0. 29	0.00
	47	0. 500	0. 00	0. 00	-0. 59	-2. 07	0. 00	0.00
134	47	0. 000	0. 00	0. 00	-0. 59	-2. 07	0.00	0. 00
	63	0. 500	0. 00	0. 00	-0. 59	-2. 07	-0.29	0. 00
135	63	0. 000	0. 00	0.00	-0. 59	-2. 07	-0. 29	0.00
	79	0. 475	0. 00	0.00	-0. 59	-2. 07	-0. 57	0.00
136	16	0. 000	0. 00	0. 00	108. 48	-160. 00	-105. 37	0.00
	32	0. 475	0. 00	0. 00	108. 48	-160. 00	-53. 84	0.00
137	32	0. 000	0. 00	0. 00	108. 48	-160. 00	-53. 84	0. 00
	48	0. 500	0. 00	0. 00	108. 48	-160. 00	0. 40	0. 00
138	48	0. 000	0. 00	0.00	108. 48	-160.00	0. 40	0.00
	64	0. 500	0. 00	0.00	108. 48	-160.00	54. 64	0.00
139	64	0. 000	0. 00	0. 00	108. 48	-160. 00	54. 64	0. 00
	80	0. 475	0. 00	0. 00	108. 48	-160. 00	106. 17	0. 00

Case. 18・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(100・スN)

0.000

0.00

0.00

0.00

0.00

27

26

Case.	18 · XV ·	λ F • λ • λ •	ス^・ス[・ス・)	ス・ス・ス ・ス・	・スラ重(100・ス	(N)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	1 2	0. 000 0. 900	0. 00 0. 00	0.00 0.00	-161. 47 -161. 47	142. 90 142. 90	146. 55 1. 22	0. 00 0. 00
2	2 3	0. 000 0. 575	0. 00 0. 00	0.00 0.00	-160. 58 -160. 58	143. 77 143. 77	3. 21 -89. 12	0. 00 0. 00
3	3 4	0. 000 1. 000	0.00 0.00	0.00 0.00	-159. 66 -159. 66	144. 67 144. 67	-86. 98 -246. 64	0. 00 0. 00
4	4 5	0. 000 1. 000	0.00 0.00	0.00 0.00	-159. 03 -159. 03	145. 28 145. 28	-244. 34 -403. 37	0. 00 0. 00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-158. 89 -158. 89 -158. 89	145. 41 145. 41 145. 41	-401. 04 -403. 10 -559. 93	0. 00 0. 00 0. 00
6	6 7	0. 000 1. 000	0.00 0.00	0.00 0.00	124. 51 124. 51	51. 63 51. 63	-1171. 67 -1047. 16	0. 00 0. 00
7	7 8	0. 000 1. 000	0.00 0.00	0.00 0.00	121. 96 121. 96	49. 14 49. 14	-1045. 81 -923. 84	0. 00 0. 00
8	8 9	0. 000 0. 500 1. 000	0.00 0.00 0.00	0.00 0.00 0.00	118. 75 118. 75 118. 75	46. 01 46. 01 46. 01	-923. 14 -863. 76 -804. 39	0. 00 0. 00 0. 00
9	9 10	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	115. 97 115. 97	43. 30 43. 30	-804. 11 -688. 15	0.00 0.00
10	10 11	0. 000 1. 000	0.00 0.00	0.00 0.00	114. 27 114. 27	41. 65 41. 65	-688. 09 -573. 82	0.00 0.00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	349. 49 349. 49 349. 49	-98. 92 -98. 92 -98. 92	-1380. 47 -1035. 52 -1030. 98	0. 00 0. 00 0. 00
12	12 13	0. 000 1. 000	0. 00 0. 00	0.00 0.00	347. 14 347. 14	-101. 21 -101. 21	-1032.06 -684.92	0. 00 0. 00
13	13 14	0.000 1.000	0.00 0.00	0. 00 0. 00	344. 78 344. 78	-103. 51 -103. 51	-686. 71 -341. 92	0.00 0.00
14	14 15	0. 000 0. 575	0.00 0.00	0.00 0.00	343. 46 343. 46	-104. 80 -104. 80	-344. 00 -146. 51	0. 00 0. 00
15	15 16	0. 000 0. 900	0.00 0.00	0.00 0.00	342. 87 342. 87	-105. 37 -105. 37	-148. 59 160. 00	0. 00 0. 00
16	17 18	0. 000 0. 900	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
17	18 19	0. 000 0. 575	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
18	19 20	0.000 1.000	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
19	20 21	0.000 1.000	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
20	21 22	0. 000 1. 000	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
21	22 23	0.000 1.000	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0. 00 0. 00
22	23 24	0.000 1.000	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
23	24 25	0.000 1.000	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
24	25 26	0. 000 1. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
25	26 27	0. 000 1. 000	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0. 00 0. 00
0.0	0.7	0 000	0 00	0 00	0 00	0.00	0.00	0 00

0.00

Case. 18・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(100・スN)

Case.	18 · XV ·	ス F ・ ス ・ ス ・ .	ス [^] ・ス[・ス・フ	ス・ス・ス ・ス・	スラ重(100・ス	N)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	31	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
30	31	0.000	0. 00	0.00	0.00	0.00	0. 00	0.00
	32	0.900	0. 00	0.00	0.00	0.00	0. 00	0.00
31	33	0.000	0. 00	0. 00	0.00	0.00	0. 00	0. 00
	34	0.900	0. 00	0. 00	0.00	0.00	0. 00	0. 00
32	34	0. 000	0.00	0. 00	0. 00	0. 00	0.00	0.00
	35	0. 575	0.00	0. 00	0. 00	0. 00	0.00	0.00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0.00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	44	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
42	44	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	45	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
43	45	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	46	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
44	46	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	47	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
45	47	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	48	0. 900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
46	49 50	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
47 48	50 51 51	0. 000 0. 575 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
49	51 52 52	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
50	52 53 53	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
51	54 54	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
52	55 55	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
53	56 56	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
53 54	57 57	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
	57 58 58	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
55	58 50	0.000 1.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 18・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ス・スラ重(100・スN)

			ス ・ ス	ス・ス・ス ・ス・				
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	62	1.000	0.00	0. 00	0.00	0.00	0.00	0.00
59	62	0.000	0. 00	0. 00	0. 00	0. 00	0.00	0.00
	63	0.575	0. 00	0. 00	0. 00	0. 00	0.00	0.00
60	63	0.000	0.00	0. 00	0.00	0.00	0.00	0.00
	64	0.900	0.00	0. 00	0.00	0.00	0.00	0.00
61	65	0.000	0. 00	0. 00	-102. 54	144. 08	-146. 55	0. 00
	66	0.900	0. 00	0. 00	-102. 54	144. 08	-238. 83	0. 00
62	66	0.000	0.00	0. 00	-103. 44	144. 95	-240. 82	0. 00
	67	0.575	0.00	0. 00	-103. 44	144. 95	-300. 30	0. 00
63	67	0.000	0. 00	0. 00	-104. 36	145. 85	-302. 44	0. 00
	68	1.000	0. 00	0. 00	-104. 36	145. 85	-406. 80	0. 00
64	68	0.000	0.00	0. 00	-104. 98	146. 46	-409. 10	0. 00
	69	1.000	0.00	0. 00	-104. 98	146. 46	-514. 08	0. 00
65	69 70	0. 000 0. 013 1. 000	0.00 0.00 0.00	0. 00 0. 00 0. 00	-105. 12 -105. 12 -105. 12	146. 59 146. 59 146. 59	-516. 41 -517. 78 -621. 53	0. 00 0. 00 0. 00
66	70 70 71	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-8. 53 -8. 53	52. 03 52. 03	-818. 79 -827. 32	0. 00 0. 00 0. 00
67	71 72	0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00	-5. 98 -5. 98	49. 54 49. 54	-828. 67 -834. 65	0. 00 0. 00 0. 00
68	72	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	-2. 76 -2. 76	46. 40 46. 40	-835. 35 -836. 74	0. 00 0. 00
	73	1.000	0.00	0.00	-2. 76	46. 40	-838. 12	0.00
69	73	0. 000	0. 00	0. 00	0. 02	43. 69	-838. 39	0. 00
	74	1. 000	0. 00	0. 00	0. 02	43. 69	-838. 38	0. 00
70	74	0.000	0. 00	0. 00	1. 71	42. 03	-838. 43	0. 00
	75	1.000	0. 00	0. 00	1. 71	42. 03	-836. 71	0. 00
71	75 76	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	146. 49 146. 49 146. 49	-99. 72 -99. 72 -99. 72	-839. 06 -694. 47 -692. 57	0. 00 0. 00 0. 00
72	76	0.000	0.00	0.00	148. 84	-102. 01	-691. 49	0.00
	77	1.000	0.00	0.00	148. 84	-102. 01	-542. 64	0.00
73	77	0.000	0.00	0. 00	151. 20	-104. 31	-540. 86	0.00
	78	1.000	0.00	0. 00	151. 20	-104. 31	-389. 66	0.00
74	78	0.000	0.00	0. 00	152. 52	-105. 60	-387. 58	0.00
	79	0.575	0.00	0. 00	152. 52	-105. 60	-299. 87	0.00
75	79	0.000	0. 00	0. 00	153. 11	-106. 17	-297. 80	0. 00
	80	0.900	0. 00	0. 00	153. 11	-106. 17	-160. 00	0. 00
76	$\begin{array}{c} 1 \\ 17 \end{array}$	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-147. 17 -147. 17	-146. 55 -146. 55	142. 90 73. 00	0. 00 0. 00
77	17	0.000	0.00	0.00	-147. 17	-146. 55	73. 00	0. 00
	33	0.500	0.00	0.00	-147. 17	-146. 55	-0. 59	0. 00
78	33 49	0.000 0.500	0.00 0.00	0. 00 0. 00	-147. 17 -147. 17	-146. 55 -146. 55	-0.59 -74.17	0. 00 0. 00
79	49	0. 000	0. 00	0. 00	-147. 17	-146. 55	-74. 17	0.00
	65	0. 475	0. 00	0. 00	-147. 17	-146. 55	-144. 08	0.00
80	2	0. 000	0. 00	0. 00	-0. 90	-1. 99	0. 87	0. 00
	18	0. 475	0. 00	0. 00	-0. 90	-1. 99	0. 45	0. 00
81	18	0.000	0. 00	0. 00	-0. 90	-1. 99	0. 45	0. 00
	34	0.500	0. 00	0. 00	-0. 90	-1. 99	0. 00	0. 00
82	34	0.000	0. 00	0. 00	-0. 90	-1. 99	0.00	0. 00
	50	0.500	0. 00	0. 00	-0. 90	-1. 99	-0.45	0. 00
83	50	0.000	0.00	0.00	-0.90	-1. 99	-0.45	0.00

Case. 18・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・スラ重(100・スN)

Case.	18 · XV ·	· スF • ス • ス •	ス ^・ ス[・ス・2	ス・ス・ス ・ス・	・スラ重(100・ス	iN)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35 51	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-0. 92 -0. 92	-2. 14 -2. 14	0.00 -0.46	0.00 0.00
87	51	0. 000	0.00	0.00	-0. 92	-2. 14	-0. 46	0.00
	67	0. 475	0.00	0.00	-0. 92	-2. 14	-0. 90	0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	-0. 63 -0. 63	-2. 30 -2. 30	0. 61 0. 31	0.00 0.00
89	20	0. 000	0. 00	0.00	-0. 63	-2. 30	0. 31	0.00
	36	0. 500	0. 00	0.00	-0. 63	-2. 30	0. 00	0.00
90	36	0. 000	0. 00	0.00	-0. 63	-2. 30	0. 00	0. 00
	52	0. 500	0. 00	0.00	-0. 63	-2. 30	-0. 31	0. 00
91	52	0. 000	0. 00	0.00	-0. 63	-2. 30	-0. 31	0.00
	68	0. 475	0. 00	0.00	-0. 63	-2. 30	-0. 61	0.00
92	5	0. 000	0. 00	0.00	-0. 14	-2. 33	0. 13	0.00
	21	0. 475	0. 00	0.00	-0. 14	-2. 33	0. 07	0.00
93	21	0. 000	0. 00	0.00	-0. 14	-2. 33	0. 07	0.00
	37	0. 500	0. 00	0.00	-0. 14	-2. 33	0. 00	0.00
94	37	0. 000	0. 00	0.00	-0. 14	-2. 33	0.00	0.00
	53	0. 500	0. 00	0.00	-0. 14	-2. 33	-0.07	0.00
95	53	0. 000	0. 00	0.00	-0. 14	-2. 33	-0. 07	0.00
	69	0. 475	0. 00	0.00	-0. 14	-2. 33	-0. 13	0.00
96	6	0. 000	0. 00	0.00	96. 59	-197. 26	-93. 79	0.00
	22	0. 475	0. 00	0.00	96. 59	-197. 26	-47. 91	0.00
97	22	0. 000	0. 00	0.00	96. 59	-197. 26	-47. 91	0.00
	38	0. 500	0. 00	0.00	96. 59	-197. 26	0. 39	0.00
98	38	0. 000	0. 00	0.00	96. 59	-197. 26	0. 39	0. 00
	54	0. 500	0. 00	0.00	96. 59	-197. 26	48. 69	0. 00
99	54	0. 000	0. 00	0.00	96. 59	-197. 26	48. 69	0.00
	70	0. 475	0. 00	0.00	96. 59	-197. 26	94. 57	0.00
100	7	0. 000	0. 00	0.00	2. 55	-1. 35	-2. 48	0. 00
	23	0. 475	0. 00	0.00	2. 55	-1. 35	-1. 27	0. 00
101	23	0. 000	0. 00	0.00	2. 55	-1. 35	-1. 27	0. 00
	39	0. 500	0. 00	0.00	2. 55	-1. 35	0. 00	0. 00
102	39	0. 000	0. 00	0.00	2. 55	-1. 35	0. 00	0. 00
	55	0. 500	0. 00	0.00	2. 55	-1. 35	1. 28	0. 00
103	55	0. 000	0. 00	0.00	2. 55	-1. 35	1. 28	0. 00
	71	0. 475	0. 00	0.00	2. 55	-1. 35	2. 49	0. 00
104	8 24	0. 000 0. 475	0. 00 0. 00	0.00 0.00	3. 22 3. 22	-0.71 -0.71	-3. 13 -1. 61	0.00 0.00
105	24 40	0. 000 0. 500	0. 00 0. 00	0.00 0.00	3. 22 3. 22	-0.71 -0.71	-1. 61 0. 00	0.00 0.00
106	40 56	0. 000 0. 500	0. 00 0. 00	0.00 0.00	3. 22 3. 22	-0.71 -0.71	0.00 1.61	0.00 0.00
107	56 72	0. 000 0. 475	0. 00 0. 00	0.00 0.00	3. 22 3. 22	-0.71 -0.71	1. 61 3. 14	0.00 0.00
108	9	0. 000	0. 00	0.00	2. 78	-0. 28	-2. 71	0.00
	25	0. 475	0. 00	0.00	2. 78	-0. 28	-1. 39	0.00
109	25	0. 000	0. 00	0.00	2. 78	-0. 28	-1. 39	0.00
	41	0. 500	0. 00	0.00	2. 78	-0. 28	0. 00	0.00
110	41	0. 000	0.00	0. 00	2. 78	-0. 28	0. 00	0.00
	57	0. 500	0.00	0. 00	2. 78	-0. 28	1. 39	0.00
111	57	0. 000	0.00	0. 00	2. 78	-0. 28	1. 39	0. 00
	73	0. 475	0.00	0. 00	2. 78	-0. 28	2. 71	0. 00
112	10 26	0.000	0.00	0.00	1.70	-0.05 -0.05	-1.65 -0.85	0.00

Case. 18・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス ・ス・スラ重(100・スN)

case.	18 • AV	• YL • Y • Y •	γ • γΓ • γ •	Λ • Λ • Λ · Λ ·	/ 八里(100 •	AN)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0. 00 0. 00	0.00 0.00	1. 70 1. 70	-0.05 -0.05	0. 85 1. 66	0.00 0.00
116	11 27	0. 000 0. 475	0. 00 0. 00	0.00 0.00	144. 78 144. 78	-2. 35 -2. 35	-140. 57 -71. 80	0. 00 0. 00
117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	144. 78 144. 78	-2. 35 -2. 35	-71. 80 0. 59	0. 00 0. 00
118	43 59	0.000 0.500	0. 00 0. 00	0.00 0.00	144. 78 144. 78	-2. 35 -2. 35	0. 59 72. 98	0.00 0.00
119	59 75	0. 000 0. 475	0. 00 0. 00	0.00 0.00	144. 78 144. 78	-2. 35 -2. 35	72. 98 141. 75	0. 00 0. 00
120	12 28	0. 000 0. 475	0. 00 0. 00	0.00 0.00	2. 35 2. 35	1. 08 1. 08	-2. 29 -1. 18	0.00 0.00
121	28 44	0.000 0.500	0. 00 0. 00	0.00 0.00	2. 35 2. 35	1. 08 1. 08	-1. 18 0. 00	0. 00 0. 00
122	44 60	0.000 0.500	0. 00 0. 00	0.00 0.00	2. 35 2. 35	1. 08 1. 08	0. 00 1. 18	0. 00 0. 00
123	60 76	0. 000 0. 475	0. 00 0. 00	0.00 0.00	2. 35 2. 35	1. 08 1. 08	1. 18 2. 30	0.00 0.00
124	13 29	0. 000 0. 475	0. 00 0. 00	0.00 0.00	2. 36 2. 36	1. 78 1. 78	-2.30 -1.18	0.00 0.00
125	29 45	0.000 0.500	0. 00 0. 00	0.00 0.00	2. 36 2. 36	1. 78 1. 78	-1. 18 0. 00	0.00 0.00
126	45 61	0.000 0.500	0. 00 0. 00	0.00 0.00	2. 36 2. 36	1. 78 1. 78	0. 00 1. 18	0.00 0.00
127	61 77	0. 000 0. 475	0. 00 0. 00	0.00 0.00	2. 36 2. 36	1. 78 1. 78	1. 18 2. 30	0. 00 0. 00
128	14 30	0. 000 0. 475	0. 00 0. 00	0.00 0.00	1. 32 1. 32	2. 08 2. 08	-1. 29 -0. 66	0. 00 0. 00
129	30 46	0.000 0.500	0. 00 0. 00	0.00 0.00	1. 32 1. 32	2. 08 2. 08	-0.66 0.00	0.00 0.00
130	46 62	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	1. 32 1. 32	2. 08 2. 08	0. 00 0. 66	0. 00 0. 00
131	62 78	0. 000 0. 475	0. 00 0. 00	0.00 0.00	1. 32 1. 32	2. 08 2. 08	0. 66 1. 29	0. 00 0. 00
132	15 31	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 59 0. 59	2. 07 2. 07	-0. 57 -0. 29	0. 00 0. 00
133	31 47	0. 000 0. 500	0. 00 0. 00	0. 00 0. 00	0. 59 0. 59	2. 07 2. 07	-0. 29 0. 00	0. 00 0. 00
134	47 63	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 59 0. 59	2. 07 2. 07	0. 00 0. 29	0.00 0.00
135	63 79	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 59 0. 59	2. 07 2. 07	0. 29 0. 57	0. 00 0. 00
136	16 32	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-108. 48 -108. 48	160. 00 160. 00	105. 37 53. 84	0. 00 0. 00
137	32 48	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-108. 48 -108. 48	160. 00 160. 00	53. 84 -0. 40	0. 00 0. 00
138	48 64	0. 000 0. 500	0. 00 0. 00	0.00 0.00	-108. 48 -108. 48	160. 00 160. 00	-0. 40 -54. 64	0. 00 0. 00
139	64 80	0. 000 0. 475	0. 00 0. 00	0.00 0.00	-108. 48 -108. 48	160. 00 160. 00	-54. 64 -106. 17	0. 00 0. 00

26 27 0.000

0.00

Case. 19・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス・スラ重 (・ス・ス)

Case.	19 · XV	• 7F • 7 • 7 • 7 •	ス^・ス[・ス・	ス・ス・ス ・ス・	・ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0.000 0.900	0. 00 0. 00	0. 00 0. 00	44. 52 44. 52	-41. 83 -41. 83	-42. 26 -2. 19	0. 00 0. 00
2	2	0. 000	0. 00	0.00	44. 24	-42. 10	-2. 76	0.00
	3	0. 575	0. 00	0.00	44. 24	-42. 10	22. 68	0.00
3	3	0.000	0.00	0.00	43. 95	-42.38	22. 06	0. 00
	4	1.000	0.00	0.00	43. 95	-42.38	66. 01	0. 00
4	4	0.000	0. 00	0.00	43. 73	-42.60	65. 33	0.00
	5	1.000	0. 00	0.00	43. 73	-42.60	109. 06	0.00
5	5 6	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	43. 66 43. 66 43. 66	-42. 66 -42. 66 -42. 66	108. 37 108. 94 152. 04	0. 00 0. 00 0. 00
6	6	0.000	0.00	0.00	-38. 97	-16. 09	346. 49	0. 00
	7	1.000	0.00	0.00	-38. 97	-16. 09	307. 52	0. 00
7	7	0.000	0.00	0.00	-38. 22	-15. 36	307. 11	0.00
	8	1.000	0.00	0.00	-38. 22	-15. 36	268. 90	0.00
8	8 9	0.000 0.500 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-37. 28 -37. 28 -37. 28	-14. 45 -14. 45 -14. 45	268. 68 250. 04 231. 40	0.00 0.00 0.00
9	9	0.000	0. 00	0. 00	-36. 48	-13. 67	231. 30	0. 00
	10	1.000	0. 00	0. 00	-36. 48	-13. 67	194. 82	0. 00
10	10	0.000	0. 00	0.00	-36. 00	-13. 20	194. 79	0. 00
	11	1.000	0. 00	0.00	-36. 00	-13. 20	158. 78	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-103. 50 -103. 50 -103. 50	28. 06 28. 06 28. 06	409. 66 307. 50 306. 16	0. 00 0. 00 0. 00
12	12	0.000	0.00	0.00	-102. 79	28. 76	306. 46	0.00
	13	1.000	0.00	0.00	-102. 79	28. 76	203. 66	0.00
13	13	0.000	0.00	0. 00	-102. 07	29. 46	204. 17	0. 00
	14	1.000	0.00	0. 00	-102. 07	29. 46	102. 10	0. 00
14	14	0. 000	0. 00	0. 00	-101. 66	29. 86	102. 70	0. 00
	15	0. 575	0. 00	0. 00	-101. 66	29. 86	44. 25	0. 00
15	15	0.000	0. 00	0.00	-101. 47	30. 04	44. 85	0. 00
	16	0.900	0. 00	0.00	-101. 47	30. 04	-46. 48	0. 00
16	17	0.000	0. 00	0.00	0.00	0.00	0.00	0.00
	18	0.900	0. 00	0.00	0.00	0.00	0.00	0.00
17	18	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	19	0. 575	0.00	0.00	0.00	0.00	0.00	0. 00
18	19	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	20	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
19	20	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	21	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
20	21	0.000	0.00	0.00	0. 00	0.00	0.00	0. 00
	22	1.000	0.00	0.00	0. 00	0.00	0.00	0. 00
21	22	0.000	0.00	0.00	0.00	0.00	0.00	0. 00
	23	1.000	0.00	0.00	0.00	0.00	0.00	0. 00
22	23	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	24	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
23	24	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	25	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
24	25	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	26	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0.00	0. 00	0. 00	0. 00
0.2	0.5		0 0 0					0 0 0

0.00 0.00

0.00

0.00

Case. 19・スV・スF・ス・ス・ス・ス・ス ・ス ・ス・ス・ス・ス・ス・スラ重 (・ス・ス)

Case.	19 · XV ·	スF • ス • ス •	ス^・ス[・ス・	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	31	0. 575	0.00	0.00	0.00	0.00	0.00	0.00
30	31	0.000	0.00	0.00	0.00	0. 00	0.00	0.00
	32	0.900	0.00	0.00	0.00	0. 00	0.00	0.00
31	33	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
	34	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0.00
32	34	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	35	0. 575	0.00	0.00	0.00	0.00	0.00	0.00
33	35	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	36	1.000	0.00	0.00	0.00	0.00	0.00	0.00
34	36	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	37	1.000	0.00	0.00	0.00	0.00	0.00	0.00
35	37	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	38	1.000	0.00	0.00	0.00	0.00	0.00	0.00
36	38	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	39	1.000	0.00	0.00	0.00	0.00	0.00	0.00
37	39	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	40	1.000	0.00	0.00	0.00	0.00	0.00	0.00
38	40	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	41	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
39	41	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	42	1.000	0.00	0.00	0.00	0.00	0.00	0.00
40	42	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	43	1.000	0.00	0.00	0.00	0.00	0.00	0.00
41	43	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	44	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
42	44	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	45	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
43	45	0. 000	0.00	0. 00	0.00	0.00	0.00	0.00
	46	1. 000	0.00	0. 00	0.00	0.00	0.00	0.00
44	46	0. 000	0.00	0. 00	0.00	0.00	0.00	0.00
	47	0. 575	0.00	0. 00	0.00	0.00	0.00	0.00
45	47	0. 000	0.00	0. 00	0.00	0.00	0.00	0.00
	48	0. 900	0.00	0. 00	0.00	0.00	0.00	0.00
46	49	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	50	0. 900	0.00	0.00	0.00	0.00	0.00	0.00
47	50	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	51	0. 575	0.00	0.00	0.00	0.00	0.00	0.00
48	51	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	52	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
49	52	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	53	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
50	53	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	54	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
51	54	0. 000	0.00	0.00	0.00	0.00	0.00	0. 00
	55	1. 000	0.00	0.00	0.00	0.00	0.00	0. 00
52	55	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	56	1. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
53	56	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	57	1. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
54	57	0. 000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	58	1. 000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
55	58 50	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 19・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス・スラ重 (・ス・ス)

83 50 0.000 0.00

Case.	19 · XV ·	λ F • λ • λ •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61 62	0. 000 1. 000	0.00 0.00	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
59	62 63	0.000 0.575	0.00 0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0.00 0.00	0.00 0.00
60	63 64	0.000 0.900	0.00 0.00	0. 00 0. 00	0.00 0.00	0. 00 0. 00	0.00 0.00	0.00 0.00
61	65 66	0.000 0.900	0.00 0.00	0. 00 0. 00	29. 06 29. 06	-42. 17 -42. 17	42. 26 68. 41	0. 00 0. 00
62	66 67	0. 000 0. 575	0.00 0.00	0. 00 0. 00	29. 34 29. 34	-42. 44 -42. 44	68. 99 85. 86	0. 00 0. 00
63	67 68	0. 000 1. 000	0.00 0.00	0. 00 0. 00	29. 64 29. 64	-42. 73 -42. 73	86. 48 116. 11	0. 00 0. 00
64	68 69	0. 000 1. 000	0.00 0.00	0. 00 0. 00	29. 85 29. 85	-42. 94 -42. 94	116. 79 146. 64	0. 00 0. 00
65	69 70	0.000 0.013 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	29. 92 29. 92 29. 92	-43. 01 -43. 01 -43. 01	147. 33 147. 72 177. 25	0. 00 0. 00 0. 00
66	70 71	0.000 1.000	0.00 0.00	0. 00 0. 00	2. 55 2. 55	-16. 21 -16. 21	236. 80 239. 35	0. 00 0. 00
67	71 72	0.000 1.000	0. 00 0. 00	0. 00 0. 00	1.80 1.80	-15. 48 -15. 48	239. 76 241. 56	0.00 0.00
68	72 73	0.000 0.500 1.000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 87 0. 87 0. 87	-14. 57 -14. 57 -14. 57	241. 78 242. 21 242. 65	0. 00 0. 00 0. 00
69	73 74	0. 000 1. 000	0.00 0.00	0. 00 0. 00	0. 07 0. 07	-13. 79 -13. 79	242. 74 242. 81	0. 00 0. 00
70	74 75	0.000 1.000	0. 00 0. 00	0. 00 0. 00	-0. 41 -0. 41	-13. 32 -13. 32	242. 84 242. 43	0. 00 0. 00
71	75	0. 000 0. 987	0.00 0.00	0.00 0.00	-42. 91 -42. 91	28. 29 28. 29	245. 55 203. 20	0. 00 0. 00
72	76 76 77	1. 000 0. 000	0.00	0.00	-42. 91 -43. 62	28. 29 28. 99	202. 64 202. 34	0.00
73	77 78	1. 000 0. 000 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-43. 62 -44. 34 -44. 34	28. 99 29. 69 29. 69	158. 72 158. 21 113. 86	0. 00 0. 00 0. 00
74	78 79	0. 000 0. 575	0. 00 0. 00	0. 00 0. 00	-44. 75 -44. 75	30. 09 30. 09	113. 26 87. 53	0. 00 0. 00
75	79 80	0.000 0.900	0.00 0.00	0. 00 0. 00	-44. 94 -44. 94	30. 27 30. 27	86. 93 46. 48	0.00 0.00
76	1 17	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	43. 08 43. 08	42. 26 42. 26	-41. 83 -21. 37	0. 00 0. 00
77	17 33	0.000 0.500	0.00 0.00	0. 00 0. 00	43. 08 43. 08	42. 26 42. 26	-21.37 0.17	0. 00 0. 00
78	33 49	0.000 0.500	0.00 0.00	0. 00 0. 00	43. 08 43. 08	42. 26 42. 26	0. 17 21. 71	0. 00 0. 00
79	49 65	0. 000 0. 475	0.00 0.00	0.00 0.00	43. 08 43. 08	42. 26 42. 26	21. 71 42. 17	0. 00 0. 00
80	2 18	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 28 0. 28	0. 57 0. 57	-0. 27 -0. 14	0. 00 0. 00
81	18 34	0. 000 0. 500	0. 00 0. 00	0.00 0.00	0. 28 0. 28	0. 57 0. 57	-0. 14 0. 00	0. 00 0. 00
82	34 50	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 28 0. 28	0. 57 0. 57	0. 00 0. 14	0. 00 0. 00
0.0	- 0	0 000	0.00	0.00	0.00		0 1 .	0 00

0.00 0.28 0.57 0.14

Case.	19 · XV ·	λ F • λ • λ •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0. 000	0.00	0. 00	0. 29	0. 62	0. 00	0. 00
	51	0. 500	0.00	0. 00	0. 29	0. 62	0. 15	0. 00
87	51	0. 000	0.00	0. 00	0. 29	0. 62	0. 15	0. 00
	67	0. 475	0.00	0. 00	0. 29	0. 62	0. 29	0. 00
88	4	0. 000	0. 00	0. 00	0. 22	0. 67	-0. 21	0. 00
	20	0. 475	0. 00	0. 00	0. 22	0. 67	-0. 11	0. 00
89	20	0. 000	0. 00	0. 00	0. 22	0. 67	-0. 11	0. 00
	36	0. 500	0. 00	0. 00	0. 22	0. 67	0. 00	0. 00
90	36	0. 000	0. 00	0. 00	0. 22	0. 67	0. 00	0. 00
	52	0. 500	0. 00	0. 00	0. 22	0. 67	0. 11	0. 00
91	52	0. 000	0. 00	0. 00	0. 22	0. 67	0. 11	0. 00
	68	0. 475	0. 00	0. 00	0. 22	0. 67	0. 21	0. 00
92	5	0. 000	0. 00	0. 00	0. 07	0. 69	-0. 07	0. 00
	21	0. 475	0. 00	0. 00	0. 07	0. 69	-0. 03	0. 00
93	21	0. 000	0. 00	0. 00	0. 07	0. 69	-0. 03	0. 00
	37	0. 500	0. 00	0. 00	0. 07	0. 69	0. 00	0. 00
94	37	0. 000	0. 00	0. 00	0. 07	0. 69	0. 00	0. 00
	53	0. 500	0. 00	0. 00	0. 07	0. 69	0. 03	0. 00
95	53	0. 000	0. 00	0. 00	0. 07	0. 69	0. 03	0. 00
	69	0. 475	0. 00	0. 00	0. 07	0. 69	0. 07	0. 00
96	6	0. 000	0. 00	0. 00	-27. 37	59. 55	26. 58	0. 00
	22	0. 475	0. 00	0. 00	-27. 37	59. 55	13. 58	0. 00
97	22	0. 000	0. 00	0. 00	-27. 37	59. 55	13. 58	0. 00
	38	0. 500	0. 00	0. 00	-27. 37	59. 55	-0. 11	0. 00
98	38	0. 000	0. 00	0. 00	-27. 37	59. 55	-0. 11	0. 00
	54	0. 500	0. 00	0. 00	-27. 37	59. 55	-13. 80	0. 00
99	54	0. 000	0. 00	0. 00	-27. 37	59. 55	-13. 80	0. 00
	70	0. 475	0. 00	0. 00	-27. 37	59. 55	-26. 80	0. 00
100	7	0. 000	0. 00	0. 00	-0. 75	0. 41	0. 73	0. 00
	23	0. 475	0. 00	0. 00	-0. 75	0. 41	0. 37	0. 00
101	23	0. 000	0. 00	0. 00	-0. 75	0. 41	0. 37	0. 00
	39	0. 500	0. 00	0. 00	-0. 75	0. 41	0. 00	0. 00
102	39	0. 000	0. 00	0. 00	-0. 75	0. 41	0. 00	0. 00
	55	0. 500	0. 00	0. 00	-0. 75	0. 41	-0. 37	0. 00
103	55	0. 000	0. 00	0. 00	-0. 75	0. 41	-0. 37	0. 00
	71	0. 475	0. 00	0. 00	-0. 75	0. 41	-0. 73	0. 00
104	8	0. 000	0. 00	0. 00	-0. 94	0. 22	0. 91	0. 00
	24	0. 475	0. 00	0. 00	-0. 94	0. 22	0. 47	0. 00
105	24	0. 000	0. 00	0. 00	-0. 94	0. 22	0. 47	0. 00
	40	0. 500	0. 00	0. 00	-0. 94	0. 22	0. 00	0. 00
106	40	0. 000	0. 00	0. 00	-0. 94	0. 22	0. 00	0. 00
	56	0. 500	0. 00	0. 00	-0. 94	0. 22	-0. 47	0. 00
107	56	0. 000	0. 00	0. 00	-0. 94	0. 22	-0. 47	0. 00
	72	0. 475	0. 00	0. 00	-0. 94	0. 22	-0. 91	0. 00
108	9	0. 000	0. 00	0. 00	-0. 80	0. 09	0. 78	0. 00
	25	0. 475	0. 00	0. 00	-0. 80	0. 09	0. 40	0. 00
109	25	0. 000	0. 00	0. 00	-0. 80	0. 09	0. 40	0. 00
	41	0. 500	0. 00	0. 00	-0. 80	0. 09	0. 00	0. 00
110	41	0. 000	0. 00	0. 00	-0. 80	0. 09	0. 00	0. 00
	57	0. 500	0. 00	0. 00	-0. 80	0. 09	-0. 40	0. 00
111	57	0. 000	0. 00	0. 00	-0. 80	0. 09	-0. 40	0. 00
	73	0. 475	0. 00	0. 00	-0. 80	0. 09	-0. 78	0. 00
112	10 26	0.000	0.00	0.00	-0.48 -0.48	0.03	0.47	0.00

Case. 19・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス ・ス・ステ重 (・ス・ス)

Case.	19 · XV ·	ス F • ス • ス •	ス^・ス[・ス・フ	マ・ス・ス ・ス・	・ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0.00 0.00	0. 00 0. 00	-0.48 -0.48	0. 03 0. 03	-0. 24 -0. 47	0. 00 0. 00
116	11 27	0.000 0.475	0.00 0.00	0.00 0.00	-42. 50 -42. 50	3. 12 3. 12	41. 26 21. 08	0. 00 0. 00
117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	-42. 50 -42. 50	3. 12 3. 12	21. 08 -0. 17	0.00 0.00
118	43 59	0.000 0.500	0. 00 0. 00	0. 00 0. 00	-42. 50 -42. 50	3. 12 3. 12	-0.17 -21.42	0.00 0.00
119	59 75	0.000 0.475	0.00 0.00	0. 00 0. 00	-42. 50 -42. 50	3. 12 3. 12	-21. 42 -41. 61	0. 00 0. 00
120	12 28	0.000 0.475	0.00 0.00	0.00 0.00	-0.71 -0.71	-0. 30 -0. 30	0. 69 0. 36	0. 00 0. 00
121	28 44	0.000 0.500	0.00 0.00	0.00 0.00	-0.71 -0.71	-0. 30 -0. 30	0. 36 0. 00	0. 00 0. 00
122	44 60	0.000 0.500	0.00 0.00	0.00 0.00	-0.71 -0.71	-0. 30 -0. 30	0.00 -0.36	0. 00 0. 00
123	60 76	0.000 0.475	0.00 0.00	0. 00 0. 00	-0.71 -0.71	-0. 30 -0. 30	-0. 36 -0. 69	0.00 0.00
124	13 29	0.000 0.475	0.00 0.00	0. 00 0. 00	-0.72 -0.72	-0. 51 -0. 51	0.70 0.36	0.00 0.00
125	29 45	0.000 0.500	0.00 0.00	0. 00 0. 00	-0. 72 -0. 72	-0. 51 -0. 51	0. 36 0. 00	0.00 0.00
126	45 61	0.000 0.500	0.00 0.00	0. 00 0. 00	-0.72 -0.72	-0. 51 -0. 51	0.00 -0.36	0.00 0.00
127	61 77	0.000 0.475	0.00 0.00	0. 00 0. 00	-0.72 -0.72	-0. 51 -0. 51	-0. 36 -0. 70	0.00 0.00
128	14 30	0.000 0.475	0.00 0.00	0. 00 0. 00	-0.41 -0.41	-0.60 -0.60	0. 40 0. 20	0. 00 0. 00
129	30 46	0.000 0.500	0.00 0.00	0. 00 0. 00	-0.41 -0.41	-0.60 -0.60	0. 20 0. 00	0.00 0.00
130	46 62	0.000 0.500	0.00 0.00	0. 00 0. 00	-0.41 -0.41	-0.60 -0.60	0.00 -0.20	0.00 0.00
131	62 78	0.000 0.475	0.00 0.00	0. 00 0. 00	-0.41 -0.41	-0.60 -0.60	-0. 20 -0. 40	0.00 0.00
132	15 31	0.000 0.475	0.00 0.00	0. 00 0. 00	-0. 19 -0. 19	-0.60 -0.60	0. 18 0. 09	0.00 0.00
133	31 47	0.000 0.500	0.00 0.00	0.00 0.00	-0. 19 -0. 19	-0.60 -0.60	0. 09 0. 00	0. 00 0. 00
134	47 63	0.000 0.500	0.00 0.00	0.00 0.00	-0. 19 -0. 19	-0.60 -0.60	0.00 -0.09	0. 00 0. 00
135	63 79	0.000 0.475	0.00 0.00	0. 00 0. 00	-0. 19 -0. 19	-0.60 -0.60	-0. 09 -0. 18	0.00 0.00
136	16 32	0.000 0.475	0.00 0.00	0. 00 0. 00	30. 93 30. 93	-46. 48 -46. 48	-30. 04 -15. 35	0.00 0.00
137	32 48	0.000 0.500	0. 00 0. 00	0. 00 0. 00	30. 93 30. 93	-46. 48 -46. 48	-15. 35 0. 11	0.00 0.00
138	48 64	0.000 0.500	0. 00 0. 00	0. 00 0. 00	30. 93 30. 93	-46. 48 -46. 48	0. 11 15. 58	0.00 0.00
139	64 80	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	30. 93 30. 93	-46. 48 -46. 48	15. 58 30. 27	0. 00 0. 00

27 0.000

26

0.00

Case. 20・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス・スラ重 (・ス・ス)

Case. 20・スV・スF・ス・ス・ス・ス・スに・ス・ス・ス・ス・ス・スラ重(・ス・ス)								
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
1	$\frac{1}{2}$	0. 000 0. 900	0. 00 0. 00	0.00 0.00	-44. 52 -44. 52	41. 83 41. 83	42. 26 2. 19	0. 00 0. 00
2	2 3	0. 000 0. 575	0.00 0.00	0.00 0.00	-44. 24 -44. 24	42. 10 42. 10	2. 76 -22. 68	0. 00 0. 00
3	3	0.000	0.00	0.00	-43. 95	42. 38	-22. 06	0. 00
	4	1.000	0.00	0.00	-43. 95	42. 38	-66. 01	0. 00
4	4	0.000	0.00	0.00	-43. 73	42. 60	-65. 33	0. 00
	5	1.000	0.00	0.00	-43. 73	42. 60	-109. 06	0. 00
5	5 6	0.000 0.013 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	-43. 66 -43. 66 -43. 66	42. 66 42. 66 42. 66	-108. 37 -108. 94 -152. 04	0. 00 0. 00 0. 00
6	6	0. 000	0. 00	0.00	38. 97	16. 09	-346. 49	0. 00
	7	1. 000	0. 00	0.00	38. 97	16. 09	-307. 52	0. 00
7	7	0. 000	0. 00	0.00	38. 22	15. 36	-307. 11	0. 00
	8	1. 000	0. 00	0.00	38. 22	15. 36	-268. 90	0. 00
8	8 9	0.000 0.500 1.000	0. 00 0. 00 0. 00	0.00 0.00 0.00	37. 28 37. 28 37. 28	14. 45 14. 45 14. 45	-268. 68 -250. 04 -231. 40	0.00 0.00 0.00
9	9	0. 000	0. 00	0.00	36. 48	13. 67	-231. 30	0. 00
	10	1. 000	0. 00	0.00	36. 48	13. 67	-194. 82	0. 00
10	10	0.000	0. 00	0.00	36. 00	13. 20	-194. 79	0. 00
	11	1.000	0. 00	0.00	36. 00	13. 20	-158. 78	0. 00
11	11 12	0. 000 0. 987 1. 000	0. 00 0. 00 0. 00	0.00 0.00 0.00	103. 50 103. 50 103. 50	-28. 06 -28. 06 -28. 06	-409. 66 -307. 50 -306. 16	0.00 0.00 0.00
12	12	0.000	0.00	0. 00	102. 79	-28. 76	-306. 46	0.00
	13	1.000	0.00	0. 00	102. 79	-28. 76	-203. 66	0.00
13	13	0.000	0. 00	0.00	102. 07	-29. 46	-204. 17	0. 00
	14	1.000	0. 00	0.00	102. 07	-29. 46	-102. 10	0. 00
14	14	0. 000	0. 00	0.00	101. 66	-29. 86	-102. 70	0. 00
	15	0. 575	0. 00	0.00	101. 66	-29. 86	-44. 25	0. 00
15	15	0. 000	0. 00	0.00	101. 47	-30. 04	-44. 85	0. 00
	16	0. 900	0. 00	0.00	101. 47	-30. 04	46. 48	0. 00
16	17	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	18	0. 900	0. 00	0.00	0. 00	0.00	0. 00	0. 00
17	18	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	19	0. 575	0. 00	0.00	0. 00	0.00	0. 00	0. 00
18	19	0. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
	20	1. 000	0. 00	0.00	0. 00	0.00	0. 00	0. 00
19	20	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	21	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
20	21	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	22	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
21	22	0. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
	23	1. 000	0. 00	0.00	0. 00	0.00	0.00	0. 00
22	23	0.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
	24	1.000	0.00	0. 00	0. 00	0. 00	0. 00	0. 00
23	24	0. 000	0.00	0. 00	0. 00	0.00	0. 00	0. 00
	25	1. 000	0.00	0. 00	0. 00	0.00	0. 00	0. 00
24	25	0.000	0.00	0. 00	0. 00	0.00	0. 00	0. 00
	26	1.000	0.00	0. 00	0. 00	0.00	0. 00	0. 00
25	26	0.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
	27	1.000	0. 00	0. 00	0. 00	0.00	0. 00	0. 00
0.0	0.7	0 000	0 00					0 00

0.00

0.00

0.00

0.00

Case. 20・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス ・ス・ステ重 (・ス・ス)

Case.	20 · XV ·	ス F ・ ス ・ ス ・	ス^・ス[・ス・フ	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
29	30	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	31	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
30	31	0.000	0. 00	0.00	0. 00	0.00	0. 00	0.00
	32	0.900	0. 00	0.00	0. 00	0.00	0. 00	0.00
31	33	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	34	0.900	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
32	34	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	35	0. 575	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
33	35	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	36	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
34	36	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	37	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
35	37	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	38	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
36	38	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	39	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
37	39	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	40	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
38	40	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	41	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
39	41	0.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	42	1.000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
40	42	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	43	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
41	43	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	44	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
42	44 45	0. 000 1. 000 0. 000	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00
43	45 46 46	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
44 45	46 47 47	0. 000 0. 575 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
46	47 48 49	0. 000 0. 900 0. 000	0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
47	50 50	0. 000 0. 900 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
48	51 51	0. 000 0. 575 0. 000	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
49	52	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	52	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
50	53	1. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
	53	0. 000	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
51	54 54	1. 000 0. 000	0.00	0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
52	55 55	1. 000 0. 000	0. 00 0. 00	0.00	0.00	0. 00 0. 00	0. 00 0. 00	0. 00 0. 00
53	56 56	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
54	57 57	1. 000 0. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00			
54 55	58 58	1. 000 0. 000	0.00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00
<i>5</i> 5	50 50	0.000 1.000	0.00	0.00	0.00	0.00	0.00	0.00

Case. 20・スV・スF・ス・ス・ス゚・ス[・ス・ス・ス・ス・ス・ス ・ス・ス・スラ重 (・ス・ス)

Case.	20 · XV ·	スF • ス • ス •	ス^・ス[・ス・	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
58	61	0. 000	0.00	0.00	0.00	0.00	0.00	0.00
	62	1. 000	0.00	0.00	0.00	0.00	0.00	0.00
59	62	0. 000	0.00	0.00	0. 00	0. 00	0. 00	0. 00
	63	0. 575	0.00	0.00	0. 00	0. 00	0. 00	0. 00
60	63	0. 000	0.00	0.00	0. 00	0. 00	0. 00	0. 00
	64	0. 900	0.00	0.00	0. 00	0. 00	0. 00	0. 00
61	65	0.000	0.00	0.00	-29. 06	42. 17	-42. 26	0.00
	66	0.900	0.00	0.00	-29. 06	42. 17	-68. 41	0.00
62	66	0. 000	0.00	0.00	-29. 34	42. 44	-68. 99	0. 00
	67	0. 575	0.00	0.00	-29. 34	42. 44	-85. 86	0. 00
63	67	0. 000	0.00	0.00	-29. 64	42. 73	-86. 48	0. 00
	68	1. 000	0.00	0.00	-29. 64	42. 73	-116. 11	0. 00
64	68	0.000	0.00	0.00	-29. 85	42. 94	-116. 79	0.00
	69	1.000	0.00	0.00	-29. 85	42. 94	-146. 64	0.00
65	69 70	0. 000 0. 013 1. 000	0. 00 0. 00 0. 00	0. 00 0. 00 0. 00	-29. 92 -29. 92 -29. 92	43. 01 43. 01 43. 01	-147. 33 -147. 72 -177. 25	0. 00 0. 00 0. 00
66	70	0. 000	0. 00	0. 00	-2. 55	16. 21	-236. 80	0. 00
	71	1. 000	0. 00	0. 00	-2. 55	16. 21	-239. 35	0. 00
67	71	0. 000	0.00	0.00	-1.80	15. 48	-239. 76	0.00
	72	1. 000	0.00	0.00	-1.80	15. 48	-241. 56	0.00
68	72	0. 000	0. 00	0.00	-0. 87	14. 57	-241. 78	0. 00
	- 2	0. 500	0. 00	0.00	-0. 87	14. 57	-242. 21	0. 00
69	73 73	1. 000 0. 000	0.00	0.00	-0. 87 -0. 07	14. 57 13. 79	-242. 65 -242. 74	0.00
70	74 74	1. 000 0. 000	0.00	0.00	-0. 07 0. 41	13. 79 13. 32	-242. 81 -242. 84	0.00
71	75 75	1. 000 0. 000	0. 00 0. 00	0. 00 0. 00	0. 41 42. 91	13. 32 -28. 29	-242. 43 -245. 55	0.00
	76	0. 987 1. 000	0. 00 0. 00	0. 00 0. 00	42. 91 42. 91	-28. 29 -28. 29	-203. 20 -202. 64	0. 00 0. 00
72	76	0. 000	0. 00	0. 00	43. 62	-28. 99	-202. 34	0. 00
	77	1. 000	0. 00	0. 00	43. 62	-28. 99	-158. 72	0. 00
73	77	0. 000	0. 00	0. 00	44. 34	-29. 69	-158. 21	0. 00
	78	1. 000	0. 00	0. 00	44. 34	-29. 69	-113. 86	0. 00
74	78	0. 000	0. 00	0. 00	44. 75	-30. 09	-113. 26	0. 00
	79	0. 575	0. 00	0. 00	44. 75	-30. 09	-87. 53	0. 00
75	79	0. 000	0.00	0. 00	44. 94	-30. 27	-86. 93	0. 00
	80	0. 900	0.00	0. 00	44. 94	-30. 27	-46. 48	0. 00
76	1	0. 000	0.00	0. 00	-43. 08	-42. 26	41. 83	0.00
	17	0. 475	0.00	0. 00	-43. 08	-42. 26	21. 37	0.00
77	17	0. 000	0. 00	0. 00	-43. 08	-42. 26	21. 37	0.00
	33	0. 500	0. 00	0. 00	-43. 08	-42. 26	-0. 17	0.00
78	33 49	0. 000 0. 500	0.00 0.00	0.00 0.00	-43. 08 -43. 08	-42. 26 -42. 26	-0.17 -21.71	0.00 0.00
79	49	0. 000	0.00	0.00	-43. 08	-42. 26	-21.71	0.00
	65	0. 475	0.00	0.00	-43. 08	-42. 26	-42.17	0.00
80	2	0. 000	0. 00	0.00	-0. 28	-0. 57	0. 27	0. 00
	18	0. 475	0. 00	0.00	-0. 28	-0. 57	0. 14	0. 00
81	18	0. 000	0.00	0. 00	-0. 28	-0. 57	0. 14	0. 00
	34	0. 500	0.00	0. 00	-0. 28	-0. 57	0. 00	0. 00
82	34	0.000	0.00	0.00	-0. 28	-0. 57	0.00	0. 00
	50	0.500	0.00	0.00	-0. 28	-0. 57	-0.14	0. 00
83	50	0.000	0.00	0.00	-0.28	-0.57	-0.14	0.00

Case. 20・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス ・ス・ステ重 (・ス・ス)

Case.	. 20・スV・	スF • ス • ス •	ス・ス[・ス・	ス・ス・ス ・ス・	・ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
86	35	0.000	0. 00	0. 00	-0. 29	-0. 62	0. 00	0.00
	51	0.500	0. 00	0. 00	-0. 29	-0. 62	-0. 15	0.00
87	51	0. 000	0. 00	0. 00	-0. 29	-0. 62	-0. 15	0.00
	67	0. 475	0. 00	0. 00	-0. 29	-0. 62	-0. 29	0.00
88	$\begin{array}{c} 4 \\ 20 \end{array}$	0. 000 0. 475	0.00 0.00	0.00 0.00	-0. 22 -0. 22	-0. 67 -0. 67	0. 21 0. 11	0.00 0.00
89	20	0.000	0. 00	0. 00	-0. 22	-0. 67	0. 11	0. 00
	36	0.500	0. 00	0. 00	-0. 22	-0. 67	0. 00	0. 00
90	36	0.000	0. 00	0. 00	-0. 22	-0. 67	0. 00	0. 00
	52	0.500	0. 00	0. 00	-0. 22	-0. 67	-0. 11	0. 00
91	52	0. 000	0. 00	0. 00	-0. 22	-0. 67	-0. 11	0. 00
	68	0. 475	0. 00	0. 00	-0. 22	-0. 67	-0. 21	0. 00
92	5	0. 000	0. 00	0. 00	-0. 07	-0. 69	0. 07	0. 00
	21	0. 475	0. 00	0. 00	-0. 07	-0. 69	0. 03	0. 00
93	21	0.000	0. 00	0. 00	-0. 07	-0. 69	0. 03	0. 00
	37	0.500	0. 00	0. 00	-0. 07	-0. 69	0. 00	0. 00
94	37	0.000	0. 00	0. 00	-0. 07	-0. 69	0. 00	0. 00
	53	0.500	0. 00	0. 00	-0. 07	-0. 69	-0. 03	0. 00
95	53	0. 000	0. 00	0. 00	-0. 07	-0. 69	-0. 03	0. 00
	69	0. 475	0. 00	0. 00	-0. 07	-0. 69	-0. 07	0. 00
96	6	0. 000	0. 00	0. 00	27. 37	-59. 55	-26. 58	0. 00
	22	0. 475	0. 00	0. 00	27. 37	-59. 55	-13. 58	0. 00
97	22	0.000	0. 00	0. 00	27. 37	-59. 55	-13. 58	0. 00
	38	0.500	0. 00	0. 00	27. 37	-59. 55	0. 11	0. 00
98	38	0.000	0. 00	0. 00	27. 37	-59. 55	0. 11	0. 00
	54	0.500	0. 00	0. 00	27. 37	-59. 55	13. 80	0. 00
99	54	0. 000	0. 00	0. 00	27. 37	-59. 55	13. 80	0. 00
	70	0. 475	0. 00	0. 00	27. 37	-59. 55	26. 80	0. 00
100	7 23	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 75 0. 75	-0.41 -0.41	-0. 73 -0. 37	0. 00 0. 00
101	23 39	0.000 0.500	0. 00 0. 00	0. 00 0. 00	0. 75 0. 75	-0.41 -0.41	-0. 37 0. 00	0. 00 0. 00
102	39 55	0.000 0.500	0. 00 0. 00	0. 00 0. 00	0. 75 0. 75	-0.41 -0.41	0. 00 0. 37	0. 00 0. 00
103	55 71	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 75 0. 75	-0.41 -0.41	0. 37 0. 73	0. 00 0. 00
104	8	0. 000	0. 00	0. 00	0. 94	-0. 22	-0. 91	0. 00
	24	0. 475	0. 00	0. 00	0. 94	-0. 22	-0. 47	0. 00
105	24	0.000	0. 00	0. 00	0. 94	-0. 22	-0. 47	0. 00
	40	0.500	0. 00	0. 00	0. 94	-0. 22	0. 00	0. 00
106	40	0.000	0. 00	0. 00	0. 94	-0. 22	0. 00	0. 00
	56	0.500	0. 00	0. 00	0. 94	-0. 22	0. 47	0. 00
107	56	0. 000	0. 00	0. 00	0. 94	-0. 22	0. 47	0. 00
	72	0. 475	0. 00	0. 00	0. 94	-0. 22	0. 91	0. 00
108	9 25	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	0. 80 0. 80	-0. 09 -0. 09	-0.78 -0.40	0. 00 0. 00
109	25	0.000	0. 00	0. 00	0. 80	-0. 09	-0. 40	0. 00
	41	0.500	0. 00	0. 00	0. 80	-0. 09	0. 00	0. 00
110	41	0.000	0. 00	0. 00	0. 80	-0. 09	0. 00	0. 00
	57	0.500	0. 00	0. 00	0. 80	-0. 09	0. 40	0. 00
111	57	0. 000	0.00	0. 00	0. 80	-0. 09	0. 40	0. 00
	73	0. 475	0.00	0. 00	0. 80	-0. 09	0. 78	0. 00
112	10 26	0.000 0.475	0.00	0.00	0.48	-0. 03 -0. 03	-0. 47 -0. 24	0.00

Case. 20・スV・スF・ス・ス・ス・ス・ス[・ス・ス・ス・ス・ス・ス・ス・スラ重 (・ス・ス)

Case.	20 · XV ·	ス F • ス • ス •	ス^・ス[・ス・フ	ス・ス・ス ・ス・	ス・スラ重(・	ス・ス)		
部材 No	節点 No	着目 位置 (m)	軸方向力 (kN)	Y軸方向の せん断力 (kN)	Z軸方向の せん断力 (kN)	X軸周りの モーメント (kN・m)	Y軸周りの 曲げモーメント (kN・m)	Z軸周りの 曲げモーメント (kN・m)
115	58 74	0. 000 0. 475	0.00 0.00	0. 00 0. 00	0. 48 0. 48	-0. 03 -0. 03	0. 24 0. 47	0. 00 0. 00
116	11 27	0.000 0.475	0.00 0.00	0.00 0.00	42. 50 42. 50	-3. 12 -3. 12	-41. 26 -21. 08	0. 00 0. 00
117	27 43	0.000 0.500	0. 00 0. 00	0.00 0.00	42. 50 42. 50	-3. 12 -3. 12	-21.08 0.17	0.00 0.00
118	43 59	0.000 0.500	0.00 0.00	0.00 0.00	42. 50 42. 50	-3. 12 -3. 12	0. 17 21. 42	0.00 0.00
119	59 75	0. 000 0. 475	0.00 0.00	0.00 0.00	42. 50 42. 50	-3. 12 -3. 12	21. 42 41. 61	0.00 0.00
120	12 28	0. 000 0. 475	0.00 0.00	0.00 0.00	0.71 0.71	0. 30 0. 30	-0. 69 -0. 36	0.00 0.00
121	28 44	0.000 0.500	0.00 0.00	0.00 0.00	0.71 0.71	0.30 0.30	-0. 36 0. 00	0.00 0.00
122	44 60	0.000 0.500	0.00 0.00	0.00 0.00	0. 71 0. 71	0.30 0.30	0.00 0.36	0.00 0.00
123	60 76	0. 000 0. 475	0.00 0.00	0.00 0.00	0.71 0.71	0.30 0.30	0. 36 0. 69	0.00 0.00
124	13 29	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 72 0. 72	0. 51 0. 51	-0. 70 -0. 36	0.00 0.00
125	29 45	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 72 0. 72	0. 51 0. 51	-0. 36 0. 00	0.00 0.00
126	45 61	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 72 0. 72	0. 51 0. 51	0. 00 0. 36	0.00 0.00
127	61 77	0. 000 0. 475	0. 00 0. 00	0.00 0.00	0. 72 0. 72	0. 51 0. 51	0. 36 0. 70	0.00 0.00
128	14 30	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 41 0. 41	0.60 0.60	-0. 40 -0. 20	0.00 0.00
129	30 46	0.000 0.500	0. 00 0. 00	0.00 0.00	0. 41 0. 41	0.60 0.60	-0. 20 0. 00	0.00 0.00
130	46 62	0.000 0.500	0.00 0.00	0.00 0.00	0. 41 0. 41	0.60 0.60	0.00 0.20	0.00 0.00
131	62 78	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 41 0. 41	0.60 0.60	0. 20 0. 40	0.00 0.00
132	15 31	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 19 0. 19	0.60 0.60	-0. 18 -0. 09	0.00 0.00
133	31 47	0.000 0.500	0.00 0.00	0.00 0.00	0. 19 0. 19	0.60 0.60	-0. 09 0. 00	0.00 0.00
134	47 63	0.000 0.500	0.00 0.00	0.00 0.00	0. 19 0. 19	0.60 0.60	0.00 0.09	0.00 0.00
135	63 79	0. 000 0. 475	0.00 0.00	0.00 0.00	0. 19 0. 19	0.60 0.60	0. 09 0. 18	0.00 0.00
136	16 32	0. 000 0. 475	0.00 0.00	0.00 0.00	-30. 93 -30. 93	46. 48 46. 48	30. 04 15. 35	0.00 0.00
137	32 48	0.000 0.500	0.00 0.00	0.00 0.00	-30. 93 -30. 93	46. 48 46. 48	15. 35 -0. 11	0.00 0.00
138	48 64	0.000 0.500	0.00 0.00	0. 00 0. 00	-30. 93 -30. 93	46. 48 46. 48	-0. 11 -15. 58	0.00 0.00
139	64 80	0. 000 0. 475	0. 00 0. 00	0. 00 0. 00	-30. 93 -30. 93	46. 48 46. 48	-15. 58 -30. 27	0. 00 0. 00