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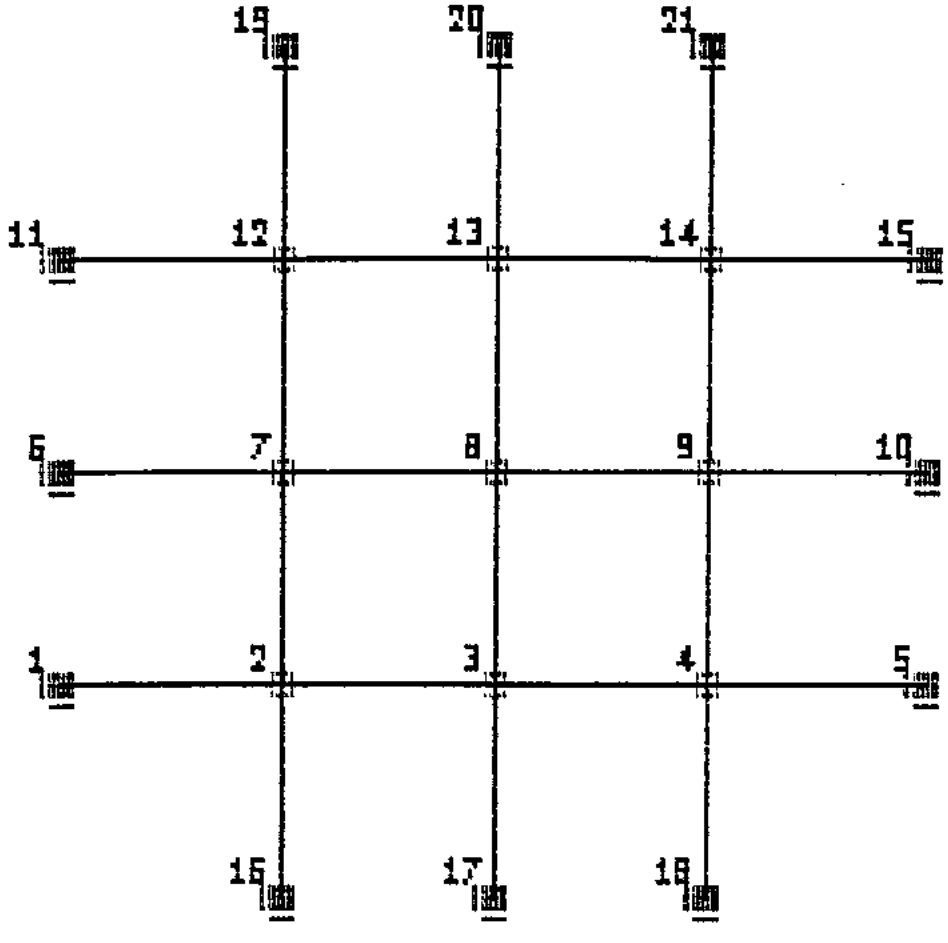
L A M P I R A N



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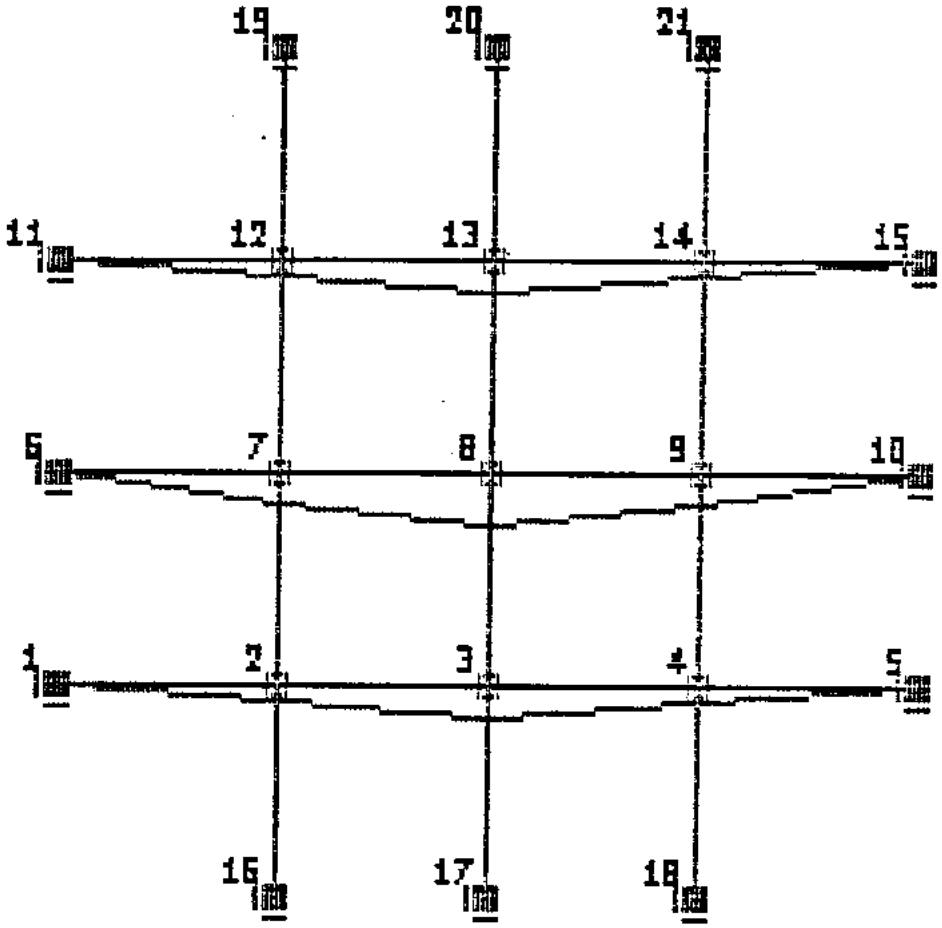

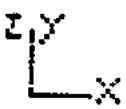

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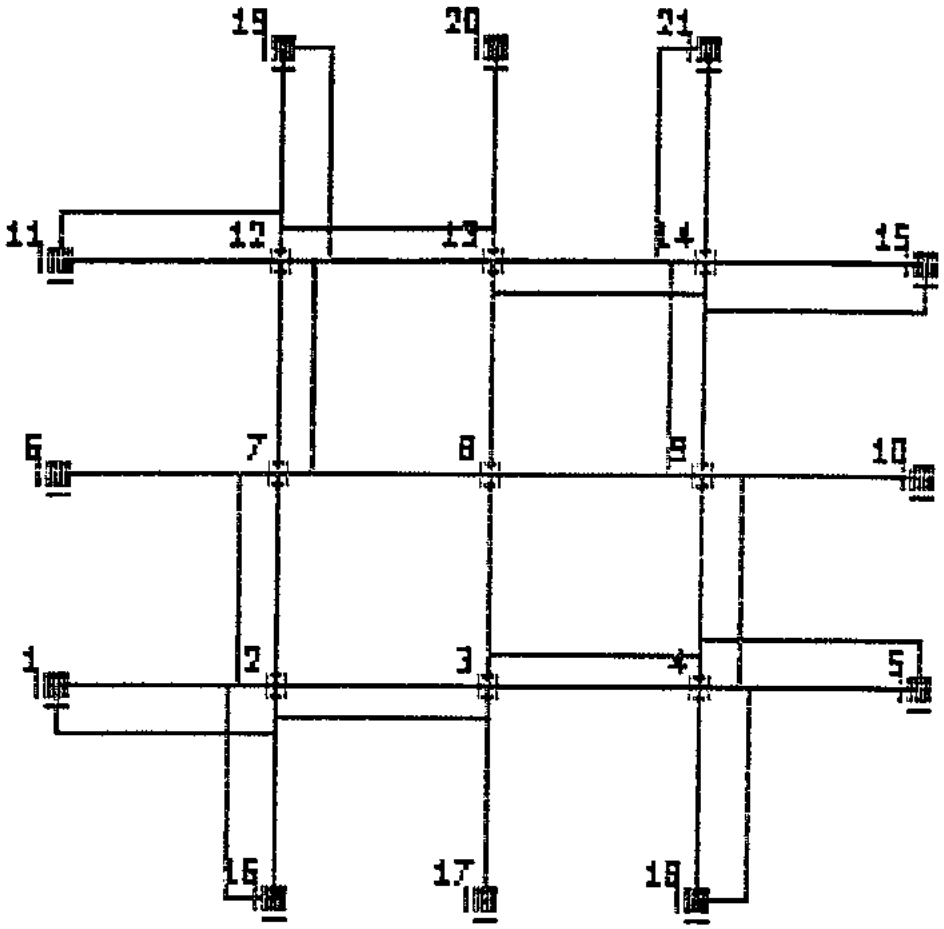
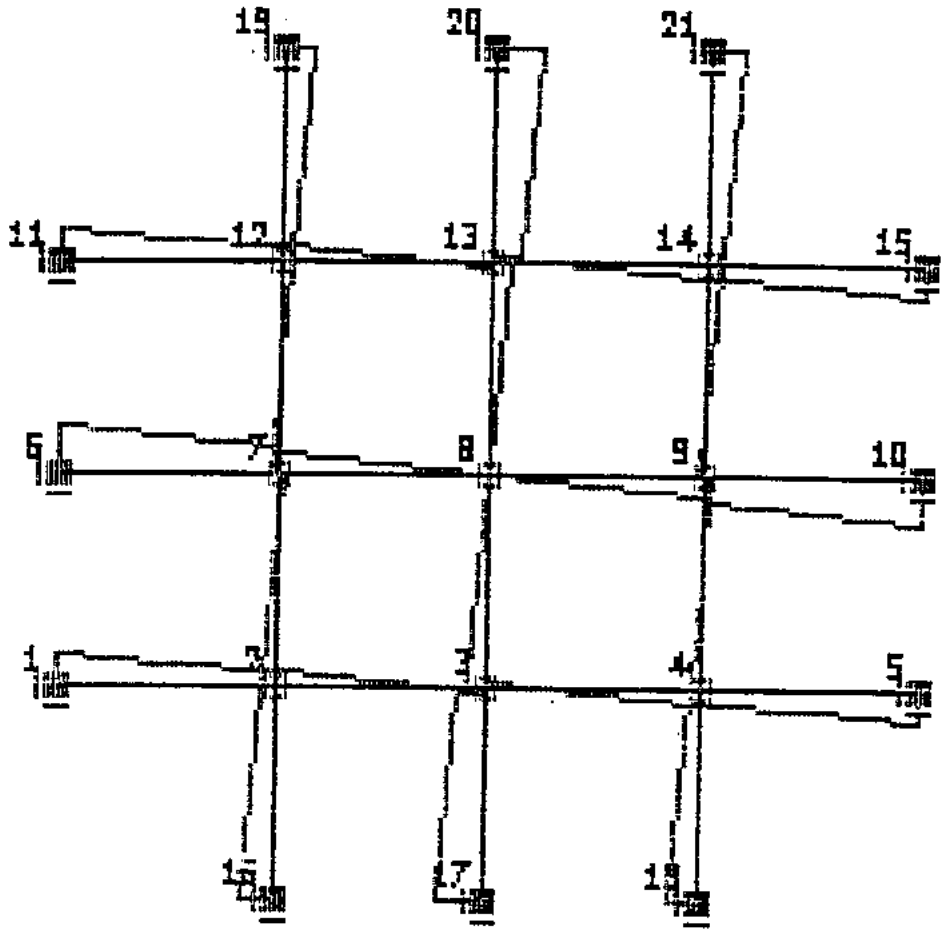
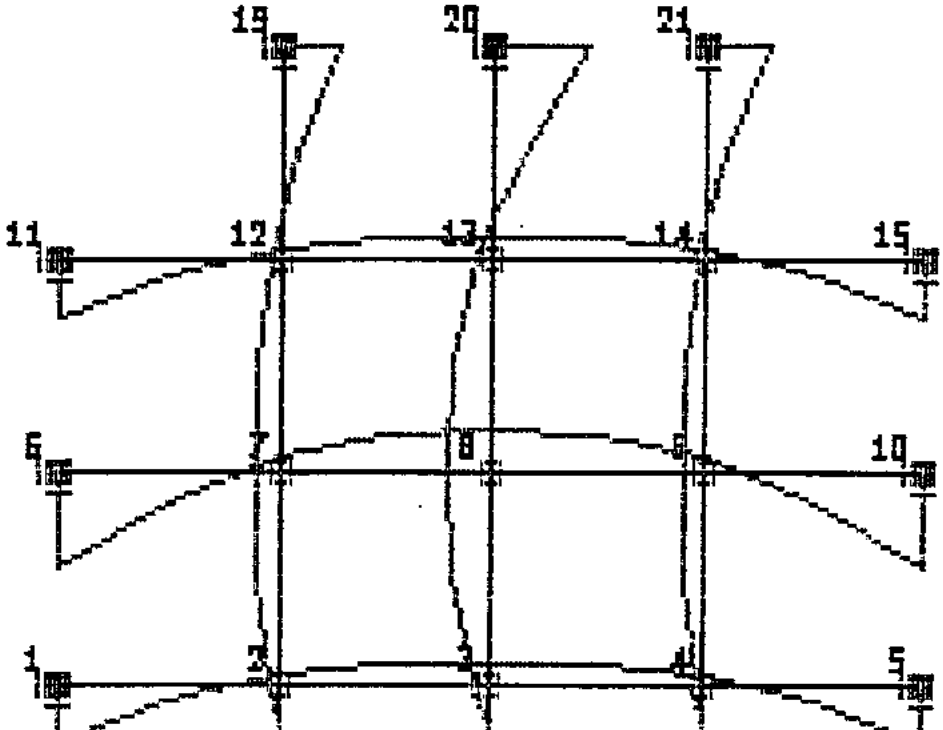


TORSION ($\perp$ = 7.37E+01)



SHEAR FORCE (1 = 6.32E+03)



MOMENT ($\underline{1}$ = 1.60E+03)

```
********************************************************************************
    MICROFEAP-P2          DATE: 07-06-1995          <DATA> P.1
PROJECT  : B. ultimit                                FILENAME: b-ultim
AUTHORITY: IR R HARTONO                          ENGINEER: Taman Faizal
********************************************************************************
```

STRUCTURE DATA

COORDINATE DATA (m)

NODE	1-COOR	2-COOR	**BOUNDARY DATA** 1-B	2-B	3-B
1	0.00	0.75	L	L	L
2	0.75	0.75			
3	1.50	0.75			
4	2.25	0.75			
5	3.00	0.75	L	L	L
6	0.00	1.50	L	L	L
7	0.75	1.50			
8	1.50	1.50			
9	2.25	1.50			
10	3.00	1.50	L	L	L
11	0.00	2.25	L	L	L
12	0.75	2.25			
13	1.50	2.25			
14	2.25	2.25			
15	3.00	2.25	L	L	L
16	0.75	0.00	L	L	L
17	1.50	0.00	L	L	L
18	2.25	0.00	L	L	L
19	0.75	3.00	L	L	L
20	1.50	3.00	L	L	L
21	2.25	3.00	L	L	L

ELEMENT DATA

ELEM	1-NODE	2-NODE	HINGE	MATERIAL
1	1	2		1
2	2	3		1
3	3	4		1
4	4	5		1
5	6	7		1
6	7	8		1
7	8	9		1
8	9	10		1
9	11	12		1
10	12	13		1
11	13	14		1
12	14	15		1

```
================================================================================
    MICROFEAP-P2          DATE: 07-06-1995          <DATA> P.2
PROJECT  : B. ultimit                                FILENAME: b-ultim
AUTHORITY: IR R HARTONO                          ENGINEER: Taman Faisal
================================================================================
**ELEMENT DATA**
ELEM    1-NODE    2-NODE    HINGE  MATERIAL
----------------------------------------
  13        16         2              1
  14        17         3              1
  15        18         4              1
  16         2         7              1
  17         3         8              1
  18         4         9              1
  19         7        12              1
  20         8        13              1
  21         9        14              1
  22        12        19              1
  23        13        20              1
  24        14        21              1


**MATERIAL DATA**
MATE  E-MODULUS AXIAL-AREA    INERTIA  G-MODULUS  J-TORSION
       (N/m^2)      (m^2)      (m^4)    (N/m^2)      (m^4)
------------------------------------------------------------
   1  2.575D+10  3.500D-02  3.573D-04  1.073D+10  9.567D-05


LOAD CASE #1 : beban merata
**UNIFORM LOAD DATA**
ELEM     UNIFORM
           (N/m)
---------------
 ALL  -4.388D+03
```

COMBINATION

DISPLACEMENT COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

NODE	1-DISP (m)	2-DISP (Rad)	3-DISP (Rad)
1	0.0000D+00	0.0000D+00	0.0000D+00
2	-4.2229D-05	-7.1597D-05	7.1597D-05
3	-7.1881D-05	-1.2279D-04	1.6941D-21
4	-4.2229D-05	-7.1597D-05	-7.1597D-05
5	0.0000D+00	0.0000D+00	0.0000D+00
6	0.0000D+00	0.0000D+00	0.0000D+00
7	-7.1881D-05	9.3958D-22	1.2279D-04
8	-1.2421D-04	-1.0107D-21	1.6941D-21
9	-7.1881D-05	2.1176D-22	-1.2279D-04
10	0.0000D+00	0.0000D+00	0.0000D+00
11	0.0000D+00	0.0000D+00	0.0000D+00
12	-4.2229D-05	7.1597D-05	7.1597D-05
13	-7.1881D-05	1.2279D-04	1.6941D-21
14	-4.2229D-05	7.1597D-05	-7.1597D-05
15	0.0000D+00	0.0000D+00	0.0000D+00
16	0.0000D+00	0.0000D+00	0.0000D+00
17	0.0000D+00	0.0000D+00	0.0000D+00
18	0.0000D+00	0.0000D+00	0.0000D+00
19	0.0000D+00	0.0000D+00	0.0000D+00
20	0.0000D+00	0.0000D+00	0.0000D+00
21	0.0000D+00	0.0000D+00	0.0000D+00

COMBINATION

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

BEAM	NO RINGS	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
1	1	0.00	-9.7961D+01	5.6700D+03	-2.5931D+03
		0.38	-9.7961D+01	4.0245D+03	-7.7534D+02
		0.75	-9.7961D+01	2.3790D+03	4.2534D+02
2	1	0.00	-7.0041D+01	2.3790D+03	3.9741D+02
		0.38	-7.0041D+01	7.3354D+02	9.8102D+02
		0.75	-7.0041D+01	-9.1196D+02	9.4757D+02
3	1	0.00	7.0041D+01	9.1196D+02	9.4757D+02
		0.38	7.0041D+01	-7.3354D+02	9.8102D+02
		0.75	7.0041D+01	-2.3790D+03	3.9741D+02
4	1	0.00	9.7961D+01	-2.3790D+03	4.2534D+02
		0.38	9.7961D+01	-4.0245D+03	-7.7534D+02
		0.75	9.7961D+01	-5.6700D+03	-2.5931D+03
5	1	0.00	1.2857D-15	8.4059D+03	-4.2469D+03
		0.38	1.2857D-15	6.7604D+03	-1.4032D+03
		0.75	1.2857D-15	5.1149D+03	8.2340D+02
6	1	0.00	-2.6686D-15	3.2910D+03	6.8332D+02
		0.38	-2.6686D-15	1.6455D+03	1.6089D+03
		0.75	-2.6686D-15	2.8422D-13	1.9174D+03
7	1	0.00	1.6727D-15	-6.8212D-13	1.9174D+03
		0.38	1.6727D-15	-1.6455D+03	1.6089D+03
		0.75	1.6727D-15	-3.2910D+03	6.8332D+02
8	1	0.00	-2.8973D-16	-5.1149D+03	8.2340D+02
		0.38	-2.8973D-16	-6.7604D+03	-1.4032D+03
		0.75	-2.8973D-16	-8.4059D+03	-4.2469D+03
9	1	0.00	9.7961D+01	5.6700D+03	-2.5931D+03
		0.38	9.7961D+01	4.0245D+03	-7.7534D+02
		0.75	9.7961D+01	2.3790D+03	4.2534D+02

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

BEAM	NA HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
10	1	0.00	7.0041D+01	2.3790D+03	3.9741D+02
		0.38	7.0041D+01	7.3354D+02	9.8102D+02
		0.75	7.0041D+01	-9.1196D+02	9.4757D+02
11	1	0.00	-7.0041D+01	9.1196D+02	9.4757D+02
		0.38	-7.0041D+01	-7.3354D+02	9.8102D+02
		0.75	-7.0041D+01	-2.3790D+03	3.9741D+02
12	1	0.00	-9.7961D+01	-2.3790D+03	4.2534D+02
		0.38	-9.7961D+01	-4.0245D+03	-7.7534D+02
		0.75	-9.7961D+01	-5.6700D+03	-2.5931D+03
13	1	0.00	9.7961D+01	5.6700D+03	-2.5931D+03
		0.38	9.7961D+01	4.0245D+03	-7.7534D+02
		0.75	9.7961D+01	2.3790D+03	4.2534D+02
14	1	0.00	2.3179D-15	8.4059D+03	-4.2469D+03
		0.38	2.3179D-15	6.7604D+03	-1.4032D+03
		0.75	2.3179D-15	5.1149D+03	8.2340D+02
15	1	0.00	-9.7961D+01	5.6700D+03	-2.5931D+03
		0.38	-9.7961D+01	4.0245D+03	-7.7534D+02
		0.75	-9.7961D+01	2.3790D+03	4.2534D+02
16	1	0.00	7.0041D+01	2.3790D+03	3.9741D+02
		0.38	7.0041D+01	7.3354D+02	9.8102D+02
		0.75	7.0041D+01	-9.1196D+02	9.4757D+02
17	1	0.00	0.0000D+00	3.2910D+03	6.8332D+02
		0.38	0.0000D+00	1.6455D+03	1.6089D+03
		0.75	0.0000D+00	-5.4091D-13	1.9174D+03
18	1	0.00	-7.0041D+01	2.3790D+03	3.9741D+02
		0.38	-7.0041D+01	7.3354D+02	9.8102D+02
		0.75	-7.0041D+01	-9.1196D+02	9.4757D+02
19	1	0.00	-7.0041D+01	9.1196D+02	9.4757D+02
		0.38	-7.0041D+01	-7.3354D+02	9.8102D+02
		0.75	-7.0041D+01	-2.3790D+03	3.9741D+02
20	1	0.00	0.0000D+00	4.5475D-13	1.9174D+03
		0.38	0.0000D+00	-1.6455D+03	1.6089D+03
		0.75	0.0000D+00	-3.2910D+03	6.8332D+02
21	1	0.00	7.0041D+01	9.1196D+02	9.4757D+02
		0.38	7.0041D+01	-7.3354D+02	9.8102D+02

COMBINATION

STRESS COMBINATION <BEAM GRIDS>
LOAD FACTOR : 1

ELEM	MA HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
21	1	0.00	7.0041D+01	9.1196D+02	9.4757D+02
		0.38	7.0041D+01	-7.3354D+02	9.8102D+02
		0.75	7.0041D+01	-2.3790D+03	3.9741D+02
22	1	0.00	-9.7961D+01	-2.3790D+03	4.2534D+02
		0.38	-9.7961D+01	-4.0245D+03	-7.7534D+02
		0.75	-9.7961D+01	-5.6700D+03	-2.5931D+03
23	1	0.00	-2.3179D-15	-5.1149D+03	8.2340D+02
		0.38	-2.3179D-15	-6.7604D+03	-1.4033D+03
		0.75	-2.3179D-15	-8.4059D+03	-4.2469D+03
24	1	0.00	9.7961D+01	-2.3790D+03	4.2534D+02
		0.38	9.7961D+01	-4.0245D+03	-7.7534D+02
		0.75	9.7961D+01	-5.6700D+03	-2.5931D+03

COMBINATION

SUPPORT REACTIONS (BEAM GRIDS)
LOAD FACTOR : 1

NODE	1-REACTION (N)	2-REACTION (N-m)	3-REACTION (N-m)
1	5.6700D+03	9.7961D+01	-2.5931D+03
5	5.6700D+03	9.7961D+01	2.5931D+03
6	8.4059D+03	-1.2857D-15	-4.2469D+03
10	8.4059D+03	-2.9973D-15	4.2469D+03
11	5.6700D+03	-9.7961D+01	-2.5931D+03
15	5.6700D+03	-9.7961D+01	2.5931D+03
16	5.6700D+03	2.5931D+03	-9.7961D+01
17	8.4059D+03	4.2469D+03	-2.3179D-15
18	5.6700D+03	2.5931D+03	9.7961D+01
19	5.6700D+03	-2.5931D+03	-9.7961D+01
20	8.4059D+03	-4.2469D+03	-2.2179D-15
21	5.6700D+03	-2.5931D+03	9.7961D+01

MICROFEAP-P2 DATE: 07-06-1995 (COMB) P.1
PROJECT : B. ultimit FILENAME: b-ultim
AUTHORITY: IR R HARTONO ENGINEER: Taman Faisal

COMBINATION

VOLUME OF MATERIALS (BEAM GRIDS)

SETS	VOLUME (m^3)
1	6.3000D-01

COMBINATION

DISPLACEMENT COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

NODE	1-DISP (m)	2-DISP (Rad)	3-DISP (Rad)
1	0.0000D+00	0.0000D+00	0.0000D+00
2	-3.1178D-05	-5.2859D-05	5.2859D-05
3	-5.3070D-05	-9.0653D-05	0.0000D+00
4	-3.1178D-05	-5.2859D-05	-5.2859D-05
5	0.0000D+00	0.0000D+00	0.0000D+00
6	0.0000D+00	0.0000D+00	0.0000D+00
7	-5.3070D-05	-1.3913D-21	9.0653D-05
8	-9.1707D-05	-3.3062D-21	-8.4703D-22
9	-5.3070D-05	-1.0583D-21	-9.0653D-05
10	0.0000D+00	0.0000D+00	0.0000D+00
11	0.0000D+00	0.0000D+00	0.0000D+00
12	-3.1178D-05	5.2859D-05	5.2859D-05
13	-5.3070D-05	9.0653D-05	-8.4703D-22
14	-3.1178D-05	5.2859D-05	-5.2859D-05
15	0.0000D+00	0.0000D+00	0.0000D+00
16	0.0000D+00	0.0000D+00	0.0000D+00
17	0.0000D+00	0.0000D+00	0.0000D+00
18	0.0000D+00	0.0000D+00	0.0000D+00
19	0.0000D+00	0.0000D+00	0.0000D+00
20	0.0000D+00	0.0000D+00	0.0000D+00
21	0.0000D+00	0.0000D+00	0.0000D+00

COMBINATION

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

ELEM	MA	HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
1	1		0.00	-7.2350D+01	4.1866D+03	-1.9147D+03
			0.38	-7.2350D+01	2.9716D+03	-5.7249D+02
			0.75	-7.2350D+01	1.7566D+03	3.1406D+02
2	1		0.00	-5.1729D+01	1.7566D+03	2.9344D+02
			0.38	-5.1729D+01	5.4163D+02	7.2436D+02
			0.75	-5.1729D+01	-6.7337D+02	6.9966D+02
3	1		0.00	5.1729D+01	6.7337D+02	6.9956D+02
			0.38	5.1729D+01	-5.4163D+02	7.2436D+02
			0.75	5.1729D+01	-1.7566D+03	2.9344D+02
4	1		0.00	7.2350D+01	-1.7566D+03	3.1406D+02
			0.38	7.2350D+01	-2.9716D+03	-5.7249D+02
			0.75	7.2350D+01	-4.1866D+03	-1.9147D+03
5	1		0.00	-1.9043D-15	6.2067D+03	-3.1358D+03
			0.38	-1.9043D-15	4.9917D+03	-1.0361D+03
			0.75	-1.9043D-15	3.7767D+03	6.0799D+02
6	1		0.00	-2.6210D-15	2.4300D+03	5.0454D+02
			0.38	-2.6210D-15	1.2150D+03	1.1980D+03
			0.75	-2.6210D-15	8.5265D-14	1.4158D+03
7	1		0.00	3.0762D-15	-2.2737D-13	1.4158D+03
			0.38	3.0762D-15	-1.2150D+03	1.1880D+03
			0.75	3.0762D-15	-2.4300D+03	5.0454D+02
8	1		0.00	1.4492D-15	-3.7767D+03	6.0799D+02
			0.38	1.4492D-15	-4.9917D+03	-1.0361D+03
			0.75	1.4492D-15	-6.2067D+03	-3.1358D+03
9	1		0.00	7.2350D+01	4.1866D+03	-1.9147D+03
			0.38	7.2350D+01	2.9716D+03	-5.7249D+02
			0.75	7.2350D+01	1.7566D+03	3.1406D+02

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

ELEM	MA HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
10	1	0.00	5.1729D+01	1.7566D+03	2.9344D+02
		0.38	5.1729D+01	5.4163D+02	7.2436D+02
		0.75	5.1729D+01	-6.7337D+02	6.9966D+02
11	1	0.00	-5.1729D+01	6.7337D+02	6.9966D+02
		0.38	-5.1729D+01	-5.4163D+02	7.2436D+02
		0.75	-5.1729D+01	-1.7566D+03	2.9344D+02
12	1	0.00	-7.2350D+01	-1.7566D+03	3.1406D+02
		0.38	-7.2350D+01	-2.9716D+03	-5.7249D+02
		0.75	-7.2350D+01	-4.1866D+03	-1.9147D+03
13	1	0.00	7.2350D+01	4.1866D+03	-1.9147D+03
		0.38	7.2350D+01	2.9716D+03	-5.7249D+02
		0.75	7.2350D+01	1.7566D+03	3.1406D+02
14	1	0.00	0.0000D+00	6.2067D+03	-3.1358D+03
		0.38	0.0000D+00	4.9917D+03	-1.9361D+03
		0.75	0.0000D+00	3.7767D+03	6.9799D+02
15	1	0.00	-7.2350D+01	4.1866D+03	-1.9147D+03
		0.38	-7.2350D+01	2.9716D+03	-5.7249D+02
		0.75	-7.2350D+01	1.7566D+03	3.1406D+02
16	1	0.00	5.1729D+01	1.7566D+03	2.9344D+02
		0.38	5.1729D+01	5.4163D+02	7.2436D+02
		0.75	5.1729D+01	-6.7337D+02	6.9966D+02
17	1	0.00	-1.1593D-15	2.4300D+03	5.0454D+02
		0.38	-1.1593D-15	1.2150D+03	1.1880D+03
		0.75	-1.1593D-15	-5.4001D-13	1.4159D+03
18	1	0.00	-5.1729D+01	1.7566D+03	2.9344D+02
		0.38	-5.1729D+01	5.4163D+02	7.2436D+02
		0.75	-5.1729D+01	-6.7337D+02	6.9966D+02
19	1	0.00	-5.1729D+01	6.7337D+02	6.9966D+02
		0.38	-5.1729D+01	-5.4163D+02	7.2436D+02
		0.75	-5.1729D+01	-1.7566D+03	2.9344D+02
20	1	0.00	0.0000D+00	4.5475D-13	1.4159D+03
		0.38	0.0000D+00	-1.2150D+03	1.1880D+03
		0.75	0.0000D+00	-2.4300D+03	5.0454D+02
21	1	0.00	5.1729D+01	6.7337D+02	6.9966D+02
		0.38	5.1729D+01	-5.4163D+02	7.2436D+02

COMBINATION

STRESS COMBINATION <BEAM GRIDS>
LOAD FACTOR : 1

ELEM	MA MINOR	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
21	1	0.00	5.1729D+01	6.7337D+02	6.9966D+02
		0.38	5.1729D+01	-5.4163D+02	7.2436D+02
		0.75	5.1729D+01	-1.7566D+03	2.9344D+02
22	1	0.00	-7.2350D+01	-1.7566D+03	3.1406D+02
		0.38	-7.2350D+01	-2.9716D+03	-5.7249D+02
		0.75	-7.2350D+01	-4.1866D+03	-1.9147D+03
23	1	0.00	1.1593D-15	-3.7767D+03	6.0799D+02
		0.38	1.1593D-15	-4.9917D+03	-1.0361D+03
		0.75	1.1593D-15	-6.2067D+03	-3.1358D+03
24	1	0.00	7.2350D+01	-1.7566D+03	3.1406D+02
		0.38	7.2350D+01	-2.9716D+03	-5.7249D+02
		0.75	7.2350D+01	-4.1866D+03	-1.9147D+03

COMBINATION

SUPPORT REACTIONS <BEAM GRIDS>
LOAD FACTOR : 1

NODE	1-REACTION (N)	2-REACTION (N-m)	3-REACTION (N-m)
1	4.1866D+03	7.2350D+01	-1.9147D+03
5	4.1866D+03	7.2350D+01	1.9147D+03
6	6.2067D+03	1.9043D-15	-3.1358D+03
10	6.2067D+03	1.4492D-15	3.1358D+03
11	4.1866D+03	-7.2350D+01	-1.9147D+03
15	4.1866D+03	-7.2350D+01	1.9147D+03
16	4.1866D+03	1.9147D+03	-7.2350D+01
17	6.2067D+03	3.1358D+03	0.0000D+00
18	4.1866D+03	1.9147D+03	7.2350D+01
19	4.1866D+03	-1.9147D+03	-7.2350D+01
20	6.2067D+03	-3.1358D+03	1.1593D-15
21	4.1866D+03	-1.9147D+03	7.2350D+01

STRUCTURE DATA

LOAD CASE #1 : beban merata
UNIFORM LOAD DATA

ELEM	UNIFORM (N/m)
ALL	-3.240D+03

COMBINATION

DISPLACEMENT COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

NODE	1-DISP (m)	2-DISP (Rad)	3-DISP (Rad)
1	0.0000D+00	0.0000D+00	0.0000D+00
2	-1.9149D-05	-3.2466D-05	3.2466D-05
3	-3.2595D-05	-5.5679D-05	0.0000D+00
4	-1.9149D-05	-3.2466D-05	-3.2466D-05
5	0.0000D+00	0.0000D+00	0.0000D+00
6	0.0000D+00	0.0000D+00	0.0000D+00
7	-3.2595D-05	-6.7829D-22	5.5679D-05
8	-5.6326D-05	-7.2426D-22	-1.2705D-21
9	-3.2595D-05	-4.2252D-22	-5.5679D-05
10	0.0000D+00	0.0000D+00	0.0000D+00
11	0.0000D+00	0.0000D+00	0.0000D+00
12	-1.9149D-05	3.2466D-05	3.2466D-05
13	-3.2595D-05	5.5679D-05	-8.4703D-22
14	-1.9149D-05	3.2466D-05	-3.2466D-05
15	0.0000D+00	0.0000D+00	0.0000D+00
16	0.0000D+00	0.0000D+00	0.0000D+00
17	0.0000D+00	0.0000D+00	0.0000D+00
18	0.0000D+00	0.0000D+00	0.0000D+00
19	0.0000D+00	0.0000D+00	0.0000D+00
20	0.0000D+00	0.0000D+00	0.0000D+00
21	0.0000D+00	0.0000D+00	0.0000D+00

COMBINATION

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

ELEM	MA	HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
1	1		0.00	-4.4437D+01	2.5714D+03	-1.1760D+03
			0.38	-4.4437D+01	1.8252D+03	-3.5162D+02
			0.75	-4.4437D+01	1.0789D+03	1.9290D+02
2	1		0.00	-3.1772D+01	1.0789D+03	1.8023D+02
			0.38	-3.1772D+01	3.3267D+02	4.4490D+02
			0.75	-3.1772D+01	-4.1358D+02	4.2973D+02
3	1		0.00	3.1772D+01	4.1358D+02	4.2973D+02
			0.38	3.1772D+01	-3.3267D+02	4.4490D+02
			0.75	3.1772D+01	-1.0789D+03	1.8023D+02
4	1		0.00	4.4437D+01	-1.0789D+03	1.9290D+02
			0.38	4.4437D+01	-1.8252D+03	-3.5162D+02
			0.75	4.4437D+01	-2.5714D+03	-1.1760D+03
5	1		0.00	-9.2839D-16	3.8122D+03	-1.9260D+03
			0.38	-9.2839D-16	3.0659D+03	-6.3637D+02
			0.75	-9.2839D-16	2.3197D+03	3.7343D+02
6	1		0.00	-6.2919D-17	1.4925D+02	3.0989D+02
			0.38	-6.2919D-17	7.4625D+02	7.2965D+02
			0.75	-6.2919D-17	1.4211D-14	8.6957D+02
7	1		0.00	4.1163D-16	3.4106D-13	8.6957D+02
			0.38	4.1163D-16	-7.4625D+02	7.2965D+02
			0.75	4.1163D-16	-1.4925D+03	3.0989D+02
8	1		0.00	5.7967D-16	-2.3197D+03	3.7343D+02
			0.38	5.7967D-16	-3.0659D+03	-6.3637D+02
			0.75	5.7967D-16	-3.8122D+03	-1.9260D+03
9	1		0.00	4.4437D+01	2.5714D+03	-1.1760D+03
			0.38	4.4437D+01	1.8252D+03	-3.5162D+02
			0.75	4.4437D+01	1.0789D+03	1.9290D+02

STRESS COMBINATION (BEAM GRIDS)
LOAD FACTOR : 1

ELEM	MA HINGE	SECTION (m)	TORSION (N-m)	SHEAR (N)	MOMENT (N-m)
10	1	0.00	3.1772D+01	1.0789D+03	1.8023D+02
		0.38	3.1772D+01	3.3267D+02	4.4490D+02
		0.75	3.1772D+01	-4.1358D+02	4.2973D+02
11	1	0.00	-3.1772D+01	4.1358D+02	4.2973D+02
		0.38	-3.1772D+01	-3.3267D+02	4.4490D+02
		0.75	-3.1772D+01	-1.0789D+03	1.8023D+02
12	1	0.00	-4.4437D+01	-1.0789D+03	1.9290D+02
		0.38	-4.4437D+01	-1.8252D+03	-3.5162D+02
		0.75	-4.4437D+01	-2.5714D+03	-1.1760D+03
13	1	0.00	4.4437D+01	2.5714D+03	-1.1760D+03
		0.38	4.4437D+01	1.8252D+03	-3.5162D+02
		0.75	4.4437D+01	1.0789D+03	1.9290D+02
14	1	0.00	0.0000D+00	3.8122D+03	-1.9260D+03
		0.38	0.0000D+00	3.0659D+03	-6.3637D+02
		0.75	0.0000D+00	2.3197D+03	3.7343D+02
15	1	0.00	-4.4437D+01	2.5714D+03	-1.1760D+03
		0.38	-4.4437D+01	1.8252D+03	-3.5162D+02
		0.75	-4.4437D+01	1.0789D+03	1.9290D+02
16	1	0.00	3.1772D+01	1.0789D+03	1.8023D+02
		0.38	3.1772D+01	3.3267D+02	4.4490D+02
		0.75	3.1772D+01	-4.1358D+02	4.2973D+02
17	1	0.00	-1.7390D-15	1.4925D+03	3.0989D+02
		0.38	-1.7390D-15	7.4625D+02	7.2965D+02
		0.75	-1.7390D-15	-1.8474D-13	8.6957D+02
18	1	0.00	-3.1772D+01	1.0789D+03	1.8023D+02
		0.38	-3.1772D+01	3.3267D+02	4.4490D+02
		0.75	-3.1772D+01	-4.1358D+02	4.2973D+02
19	1	0.00	-3.1772D+01	4.1358D+02	4.2973D+02
		0.38	-3.1772D+01	-3.3267D+02	4.4490D+02
		0.75	-3.1772D+01	-1.0789D+03	1.8023D+02
20	1	0.00	5.7967D-16	3.4106D-13	8.6957D+02
		0.38	5.7967D-16	-7.4625D+02	7.2965D+02
		0.75	5.7967D-16	-1.4925D+03	3.0989D+02
21	1	0.00	3.1772D+01	4.1358D+02	4.2973D+02
		0.38	3.1772D+01	-3.3267D+02	4.4490D+02

COMBINATION

SUPPORT REACTIONS <BRAM GRIDS>
LOAD FACTOR : 1

NODE	1-REACTION (N)	2-REACTION (N-m)	3-REACTION (N-m)
1	2.5714D+03	4.4437D+01	-1.1760D+03
5	2.5714D+03	4.4437D+01	1.1760D+03
6	3.8122D+03	9.2839D-16	-1.9260D+03
10	3.8122D+03	5.7967D-16	1.9260D+03
11	2.5714D+03	-4.4437D+01	-1.1760D+03
15	2.5714D+03	-4.4437D+01	1.1760D+03
16	2.5714D+03	1.1760D+03	-4.4437D+01
17	3.8122D+03	1.9260D+03	0.0000D+00
18	2.5714D+03	1.1760D+03	4.4437D+01
19	2.5714D+03	-1.1760D+03	-4.4437D+01
20	3.8122D+03	-1.9260D+03	1.1593D-15
21	2.5714D+03	-1.1760D+03	4.4437D+01

LOAD CASE #1 : beban merata
UNIFORM LOAD DATA

BLKN	UNIFORM (N/m)
ALL	-1.990D+03