

RESTRAINT-DISPLACEMENT REPORT, Loads on Restraints  
 RESTRAINT SUMMARY

-----Forces(N. )-----      -----Moments(N.m. )-----      -----Displacements(

NODE CASE TYPE      FX      FY      FZ      MX      MY      MZ      DX      DY

| 530 |     | Rigid Y | Rigid X | Rigid Z |    |    |    |        |        |
|-----|-----|---------|---------|---------|----|----|----|--------|--------|
| 1   | OPE | -13865. | -8923.  | -4447.  | 0. | 0. | 0. | 0.0000 | 0.0000 |

FORCE REPORT, Forces on Elements  
 CASE 1 (OPE) W+D1+T1+P1

| ELEMENT | AXIAL FORCE | SHEAR FORCE | BENDING MOMENT | TORSION MOMENT | -----Forces(N. )----- |         |         |           |
|---------|-------------|-------------|----------------|----------------|-----------------------|---------|---------|-----------|
|         |             |             |                |                | FX                    | FY      | FZ      | MX        |
| 520     | -15345.     | 14486.      | 109748.2       | -15626.3       | 8283.                 | 11885.  | -15345. | 107694.8  |
| 530     | 15345.      | 10200.      | 144100.6       | 15626.3        | 8283.                 | 5952.   | 15345.  | -125492.8 |
| 530     | -10897.     | 6324.       | 144100.6       | -15626.3       | 5582.                 | 2971.   | -10897. | 125492.8  |
| 540     | 10897.      | 15879.      | 97259.8        | 15626.3        | -5582.                | -14866. | 10897.  | -89809.6  |

LOCAL FORCE REPORT, Forces on Elements  
 CASE 1 (OPE) W+D1+T1+P1

| ELEMENT | -----Forces(N. )----- |        |         | -----Moments(N.m. )----- |           |          |
|---------|-----------------------|--------|---------|--------------------------|-----------|----------|
|         | fx                    | fy     | fz      | mx                       | my        | mz       |
| 530     | 15345.                | -8283. | -5952.  | 15626.3                  | 125492.8  | 70827.6  |
| 530     | -10897.               | -5582. | -2971.  | -15626.3                 | -125492.8 | -70827.6 |
| 540     | 10897.                | 5582.  | -14866. | 15626.3                  | 89809.6   | 37332.4  |

$\sum f_x = 4448$        $\sum f_y = -13865$        $\sum f_z = -8923$

