



```

PROGRAM FEM1D << BAR ANALYSIS
lamp pole
NN  NE  NM  NDIM      NEN  NDN
2   1   1   1      2
ND  NL  NCH
1   1   2
NODE#  X-COORD
1     0
2    50000
EL#  N1  N2  MAT#      AREA    TEMP  RISE
1   1   2   1        6204.64  0
DOF#  DISP
1     0
DOF#  LOAD
2   -7848
MAT#  E
1    200000
B1  I  B2  J  B3

```

```

Results from Program FEM1D
lamp pole
Node#  Displacement
1     -3.16215E-05
2     -0.316246303
Element#  Stress
1     -1.264858727
Node#  Reaction
1     7848

```