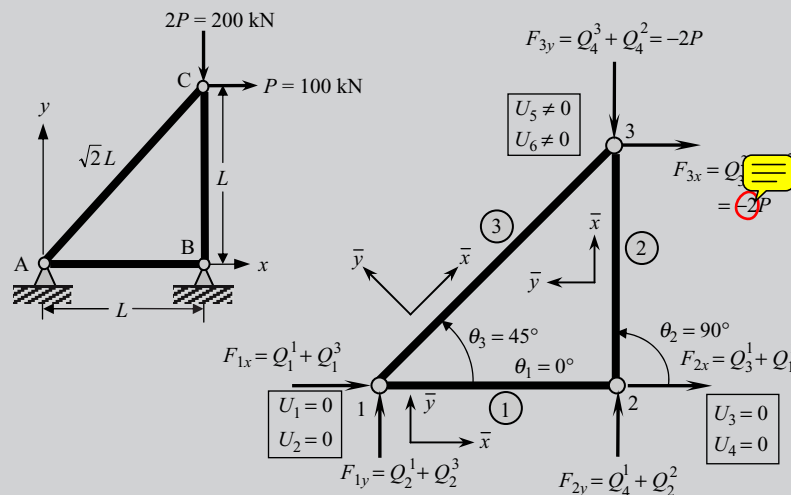


(Box 7.3.13 is continued from the previous page)

x is the the local coord.if ICONT=0				
x	Deflect.	Rotation	B. Moment	Shear Force
0.0000E+00	0.0000E+00	0.0000E+00	0.46182E+03	-0.38273E+04
0.5000E+00	0.47841E-03	-0.23091E-03	0.46182E+03	-0.29036E+04
0.1000E+01	0.95682E-03	-0.46182E-03	0.46182E+03	-0.19800E+04
0.1500E+01	0.14352E-02	-0.69273E-03	0.46182E+03	-0.10564E+04
0.2000E+01	0.19136E-02	-0.92364E-03	0.46182E+03	-0.13273E+03
0.2500E+01	0.23920E-02	-0.11545E-02	0.46182E+03	0.79091E+03
0.3000E+01	0.28705E-02	-0.13855E-02	0.46182E+03	0.17145E+04
0.3500E+01	0.33489E-02	-0.16164E-02	0.46182E+03	0.26382E+04
0.4000E+01	0.38273E-02	-0.18473E-02	0.46182E+03	0.35618E+04
0.0000E+00	0.38273E-02	-0.18473E-02	0.98182E+02	-0.12109E+04
0.7500E+00	0.54398E-02	-0.19209E-02	0.98182E+02	-0.91636E+03
0.1500E+01	0.70523E-02	-0.19945E-02	0.98182E+02	-0.62182E+03
0.2250E+01	0.86648E-02	-0.20682E-02	0.98182E+02	-0.32727E+03
0.3000E+01	0.10277E-01	-0.21418E-02	0.98182E+02	-0.32727E+02
0.3750E+01	0.11890E-01	-0.22155E-02	0.98182E+02	0.26182E+03
0.4500E+01	0.13502E-01	-0.22891E-02	0.98182E+02	0.55636E+03
0.5250E+01	0.15115E-01	-0.23627E-02	0.98182E+02	0.85091E+03
0.6000E+01	0.16727E-01	-0.24364E-02	0.98182E+02	0.11455E+04

Example 7.3.8 (Analysis of a Plane Truss)

Here, we consider the three-member plane truss shown in Figure 7.3.7 (see Example 4.6.1). A plane truss problem falls into $\text{MODEL} = 4$ and $\text{NTYPE} = 0$. To obtain the solution in nondimensional form, we take $E = 1$, $A = 1$, $P = 1$, and $L = 1$. The data are discontinuous ($\text{ICONT}=0$). The input and partial output are presented in Box 7.3.14.

**Figure 7.3.7** The plane truss problem of Example 7.3.8.