**Problem 1**

**Problem 3**

**Problem 4**



Figure . The plot of deformed truss 1

**Problem 5**

u =

0

0

-0.1054

0

0.0487

0.0723

0.0848

-0.0351

0.1027

-0.1914

f =[-0.0000 -0.2500 0 0.7500 0 0 0 0 0 -0.5000]



Figure .The plot of deformed truss 2