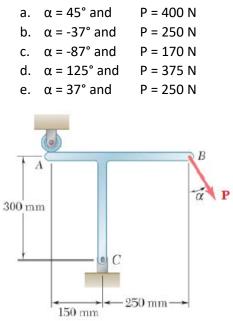
CVEN 221 Honors - Homework #11

 For Problem 6, Write a computer program to determine the reactions at A and C for the frame shown below. The inputs for the program should be the angle (α) measured positive counterclockwise from vertical and the load (P). Determine A and C for the following values of α and P:



You may check your program by solving the problem given by McGraw-Hill Connect.

2) Additional Problem, The position of the L-shaped rod shown is controlled by a cable attached at B. Knowing that the rod supports a load of magnitude P = 50 lb, write a computer program that can be used to plot the tension T in the cable for values of Θ from 0 to 120 degrees using 10 degree increments. In addition, determine the maximum tension T and the corresponding value of Θ .

