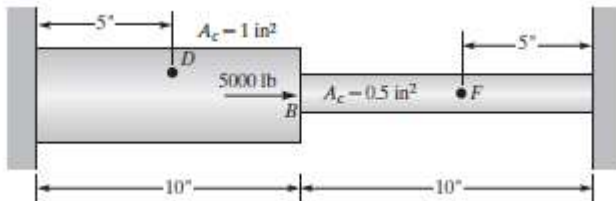# ENME421

HW2

Problem1:

Determine the deflection of point D and the axial stress in each member in the system shown

in the accompanying figure. (E = 10.6 * 10³ ksi.)

1- Analytical method

2- Numerical method using Abaqus

Problem2:

Determine the deflections of point D and point F in the system in the accompanying figure.

Also compute the axial force and stress in each member. (E = 29 * 10⁶ ksi.)

3- Analytical method

4- Numerical method using Abaqus