

Assignment # 8 part 1

Due date: Week of 11-14-2016

Question 1 (10 Marks)

Determine (approximately) the forces in each member of the truss shown in Figure (3). Assume the diagonals can support both tensile and compressive forces. Hint: take advantage of the symmetry.

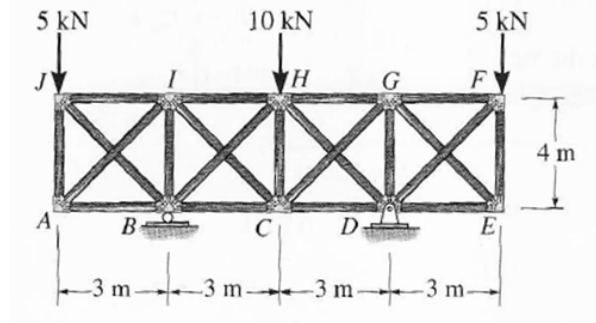


Figure (1)

Question 2 (30 Marks)

Determine the reactions and draw the shear and bending moment diagrams for the three structures shown in Figures (2), (3) and (4). Use the slope deflection method.

Figure (2)

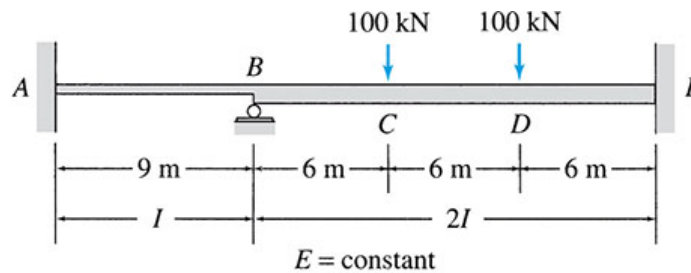


Figure (3)

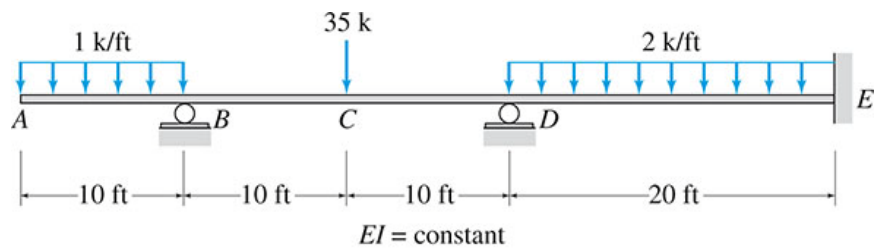


Figure (4)

