

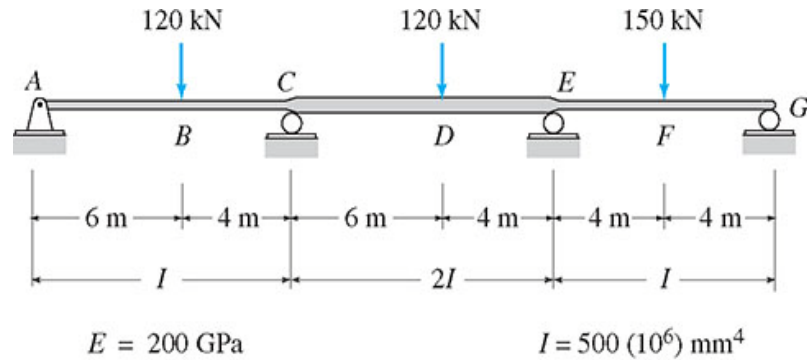
Assignment # 10

Due date: unmarked

Question 1

Determine the reactions and draw the shear and bending moment diagrams for the beam shown in Figure (1) for the loads on the beam and the support settlements of 10 mm at A, 65 mm at C, 40 mm at E and 25 mm at G. Use the moment distribution method.

Figure (1)



Question 2

Determine the member end moments and reactions for the frame shown in Figure (2) and the nonprismatic beam shown in Figure (3). Use the moment distribution method.

Figure (2)

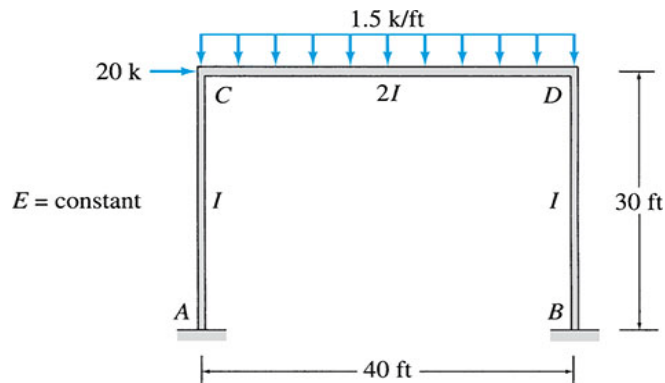


Figure (3)

