

Assignment 2

Due by 4pm on Thursday, October 9, 2014.

Problem 1**15 Marks**

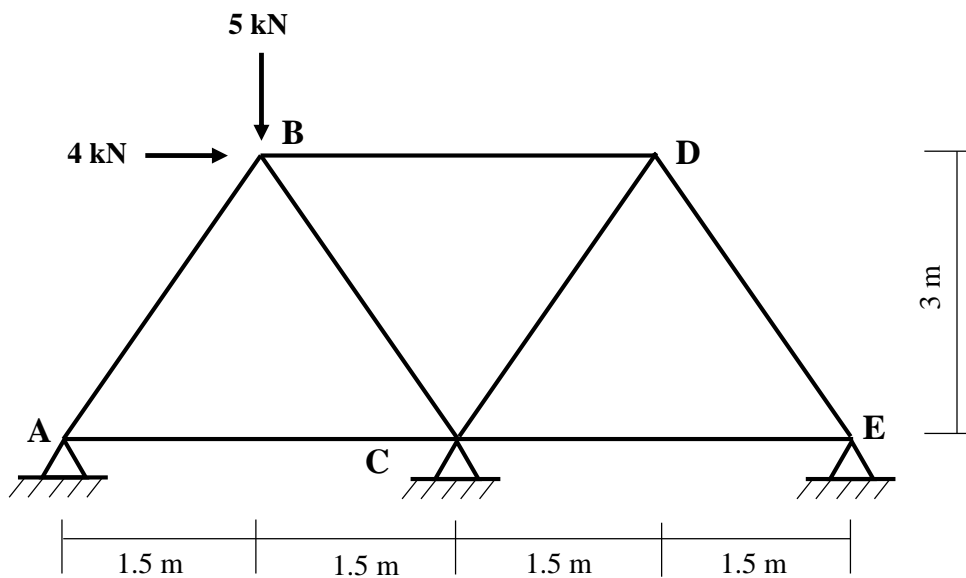
For the truss shown below use the force method to find all internal forces in the members. Use the following information:

- EA is constant for all members
- Use the following as redundants:

Redundant 1: Horizontal Reaction at C

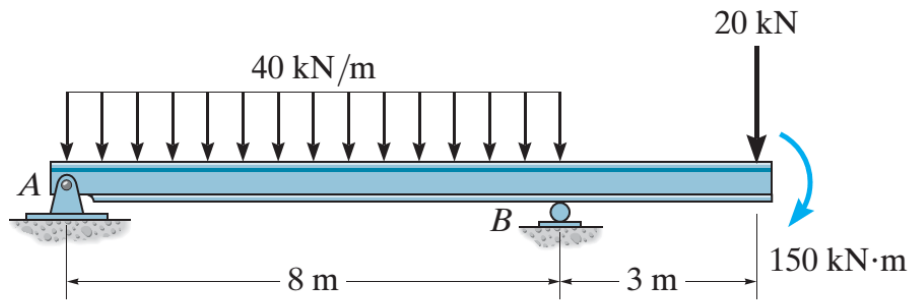
Redundant 2: Vertical Reaction at C

Redundant 3: Horizontal Reaction at E



Problem 2**10 Marks**

Find reactions and draw and completely label the shear and moment diagrams for the beam shown below.

Problem 3**10 Marks**

Find reactions and draw and completely label the shear and moment diagrams for the beam shown below.

