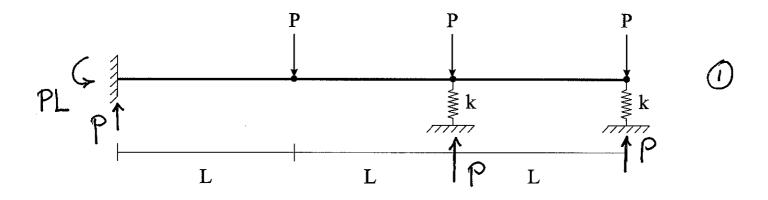
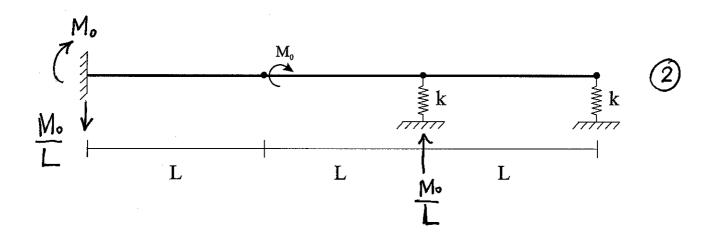
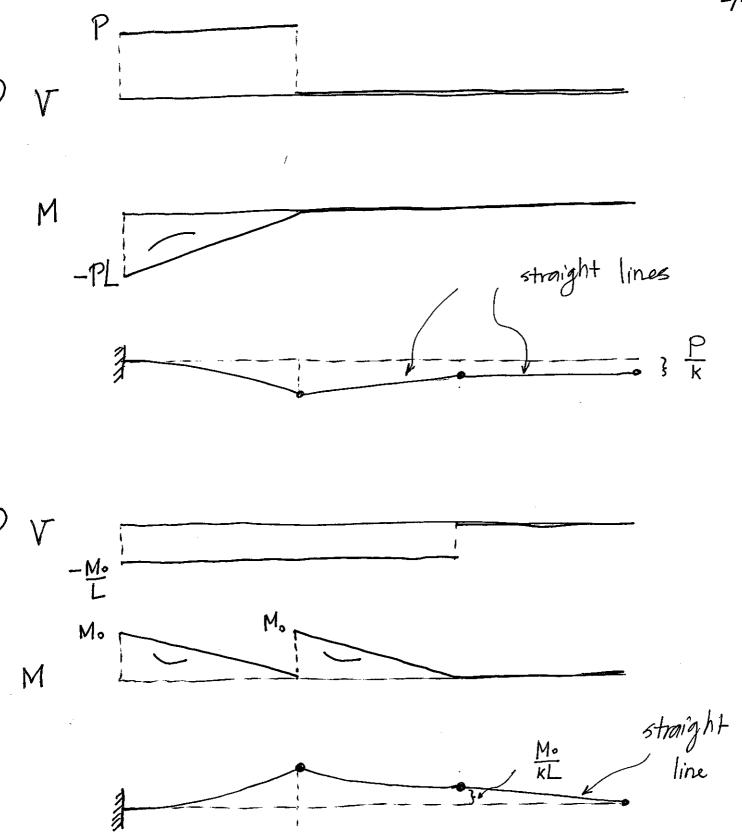
Problem 1

For the two beams shown below find the shear force and bending moment diagrams and also sketch the deformed shapes.

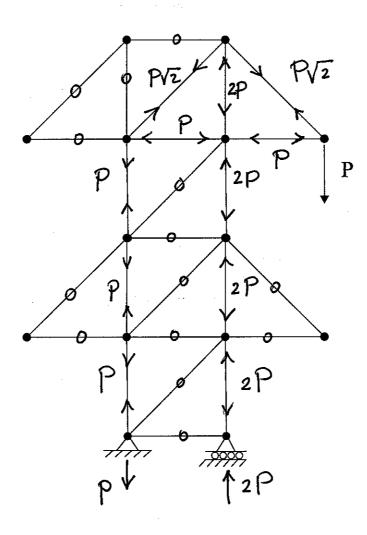






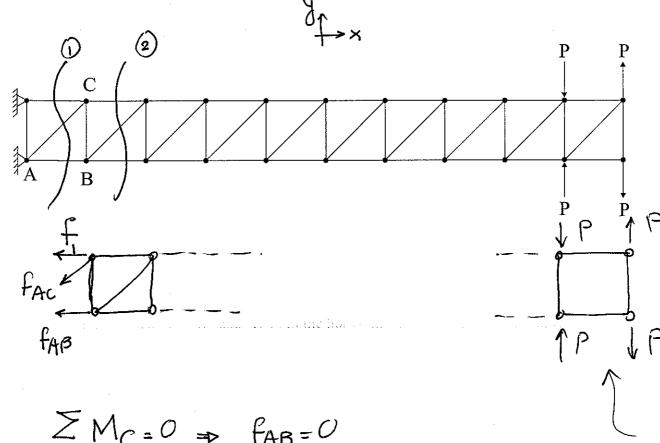
Problem 2

Find all the forces in the truss shown below. All the horizontal and vertical members have lengths $\it L$.



Problem 3

Find the forces in members AB and AC. All the horizontal and vertical members have lengths L.



ZMC=0 => FAB=0

self-equilibrated system

aut (2)

aut 1

Equilibrium of node C:

$$f_{AC} = 0$$

$$f_{AC} = 0$$

$$f_{AC} = 0$$

$$f_{AC} = 0$$