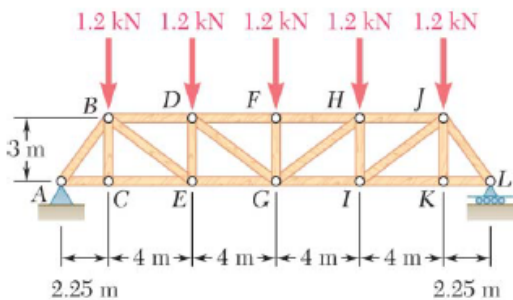
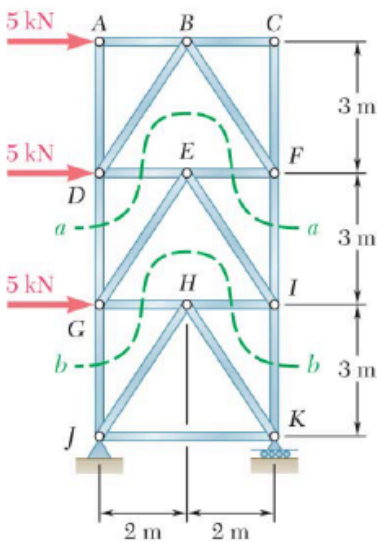


All problems are from Beer and Johnston's book



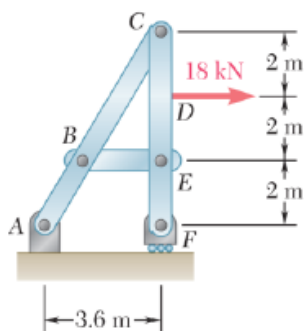
PROBLEM 6.44

A Mansard roof truss is loaded as shown. Determine the force in members GI , HI , and HJ .



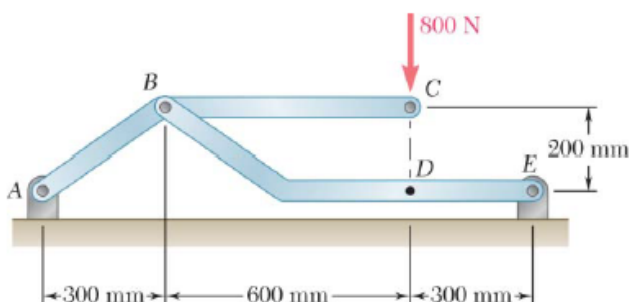
PROBLEM 6.61

Determine the force in members DG and FI of the truss shown. (*Hint:* Use section aa .)



PROBLEM 6.79

For the frame and loading shown, determine the components of all forces acting on member ABC .



PROBLEM 6.83

Determine the components of the reactions at A and E , (*a*) if the 800-N load is applied as shown, (*b*) if the 800-N load is moved along its line of action and is applied at point D .