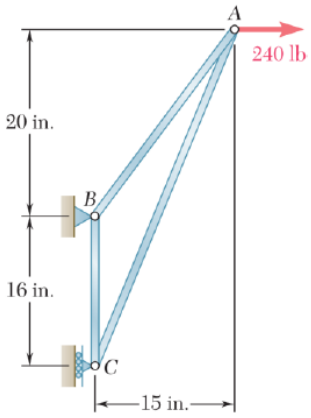
Hw Assignment # 4.

Chapter 6

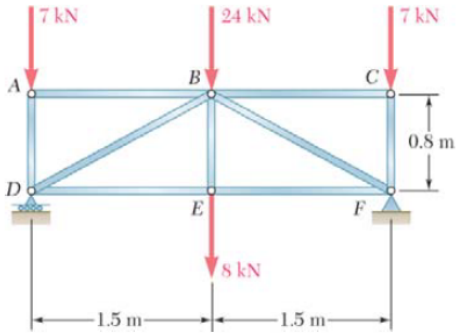
Due on 2018/3/23

Problems



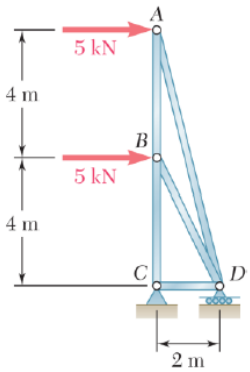
PROBLEM 6.1

Using the method of joints, determine the force in each member of the truss shown. State whether each member is in tension or compression.



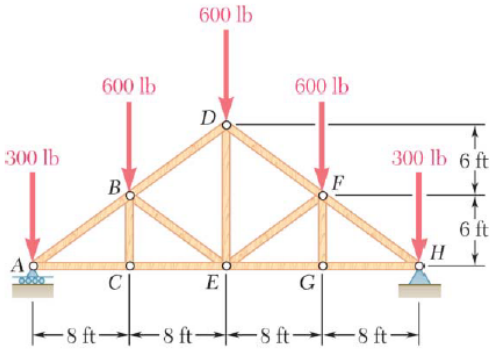
PROBLEM 6.4

Using the method of joints, determine the force in each member of the truss shown. State whether each member is in tension or compression.



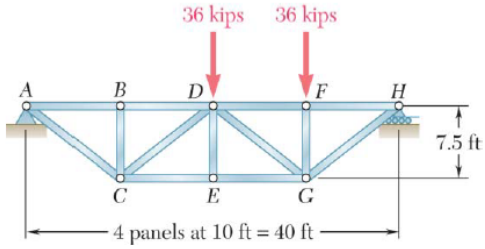
PROBLEM 6.8

Using the method of joints, determine the force in each member of the truss shown. State whether each member is in tension or compression.



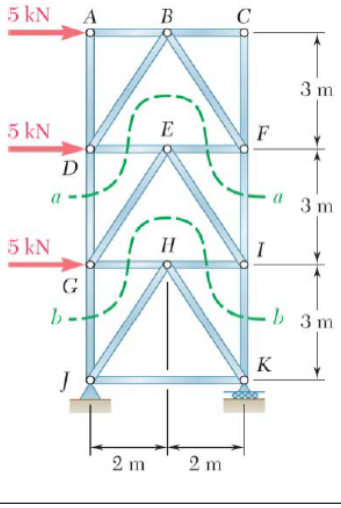
PROBLEM 6.12

Determine the force in each member of the Howe roof truss shown. State whether each member is in tension or compression.



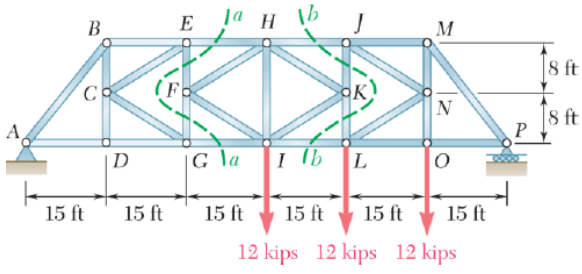
PROBLEM 6.45

Determine the force in members *BD* and *CD* of the truss shown.



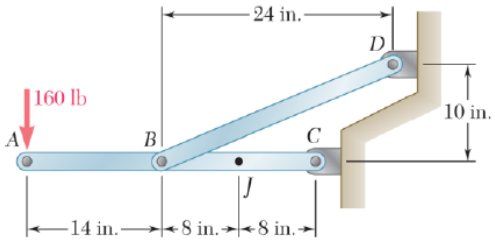
PROBLEM 6.61

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



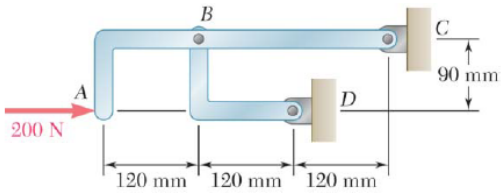
PROBLEM 6.63

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



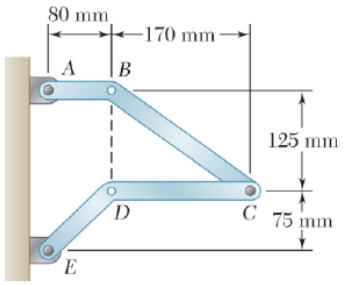
PROBLEM 6.76

Determine the force in member BD and the components of the reaction at C.



PROBLEM 6.77

For the frame and loading shown, determine the force acting on member ABC (a) at B, (b) at C.



PROBLEM 6.85

Determine the components of the reactions at A and E if a 750-N force directed vertically downward is applied (a) at B, (b) at D.