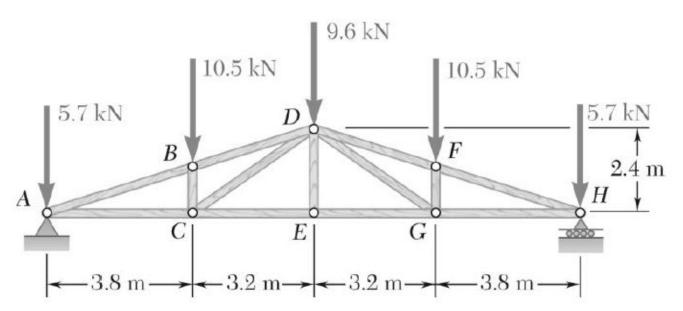
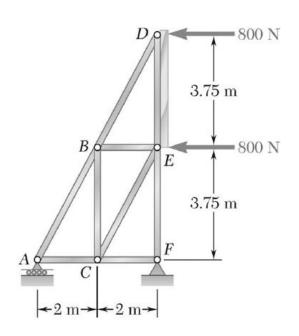
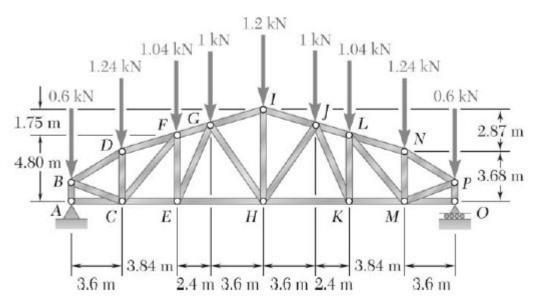
Tutorial Sheet - 4 Chapter 6 Vector Mechanics



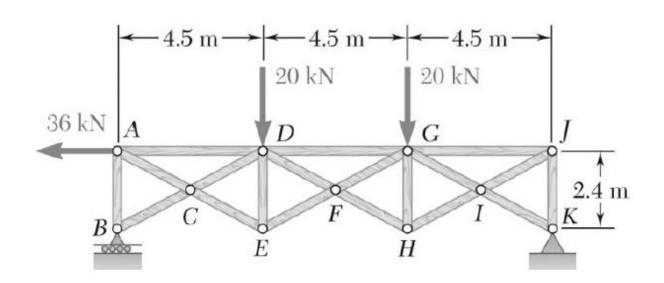
Determine forces in each member of the truss.



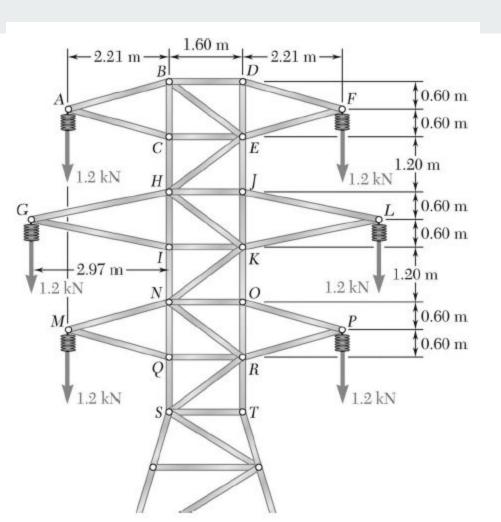
Determine the force in each member of the truss for a wind load equivalent to the two forces shown. State whether each member is in tension or compression.



This is an example of a roof truss. Determine the forces in FG, EG, and EH

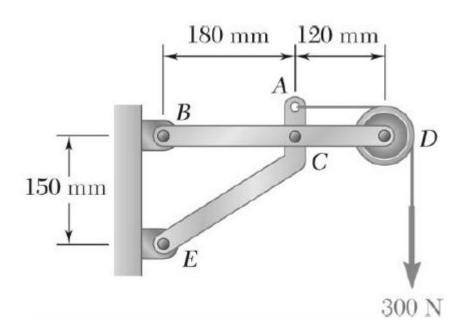


Determine the force in DG, FG, FH.



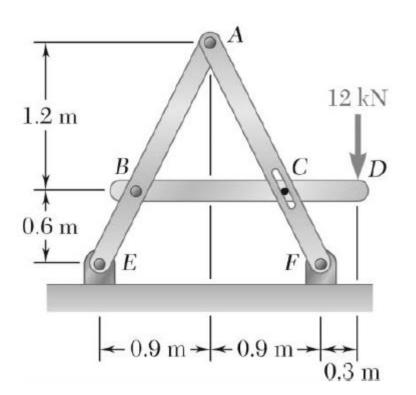
Determine the force in each of the members located above HJ.

Identify where you see this type of truss.

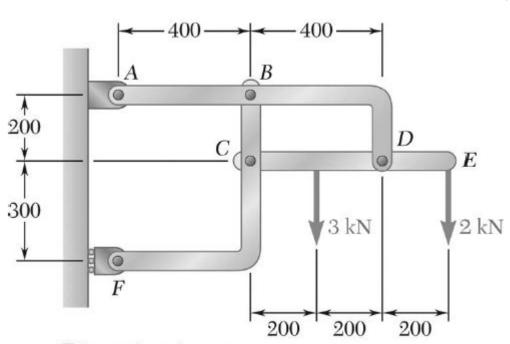


Determine the components of the reactions at B and E.

The diameter of the pulley is 480 mm.



Determine the components of all forces acting on member ABE.



Determine the components of all forces acting on member ABD.

Additional Problem

Try to locate/make a simple frame (may be a part of a bigger structure or a machine) and do the analysis of forces in each member of that frame.