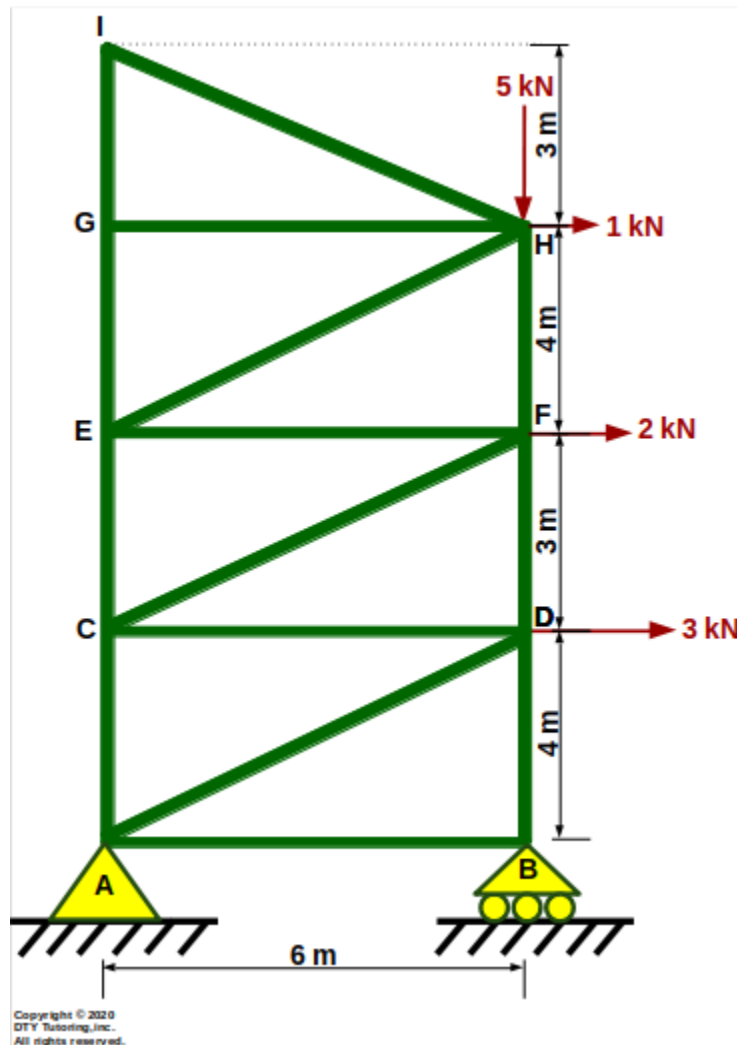


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The vertical truss shown below is supported by a pin at A and a roller at B. Compute the forces in member EC, CF and DF and indicate whether the members are in tension (T) or compression (C).





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Answers (refer to solutions for detail)

$$F_{EC} = 0.67 \text{ kN (T)}$$

$$F_{CF} = 3.606 \text{ kN (T)}$$

$$F_{DF} = 7.7 \text{ kN (C)}$$