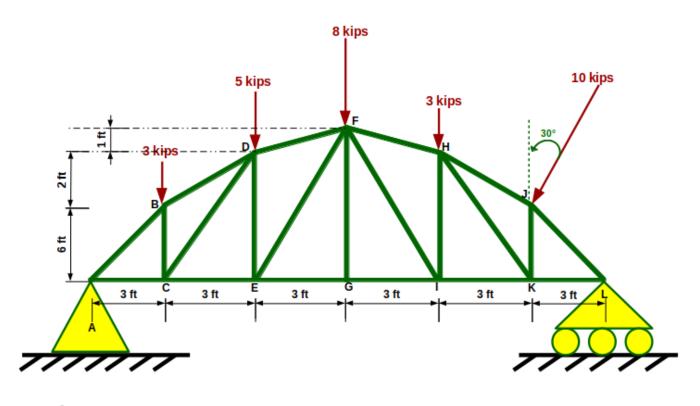


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The horizontal bowstring truss shown below is supported by a pin at A and a roller at L. Compute the forces in member DF, EF and EG and indicate whether the members are in tension (T) or compression (C).



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Answers (refer to solutions for detail)

 $F_{EG} = 5.28 \text{ kips (T)}$

 $F_{EF} = 2.99 \text{ kips (C)}$

 $F_{DF} = 9.84 \text{ kips (C)}$