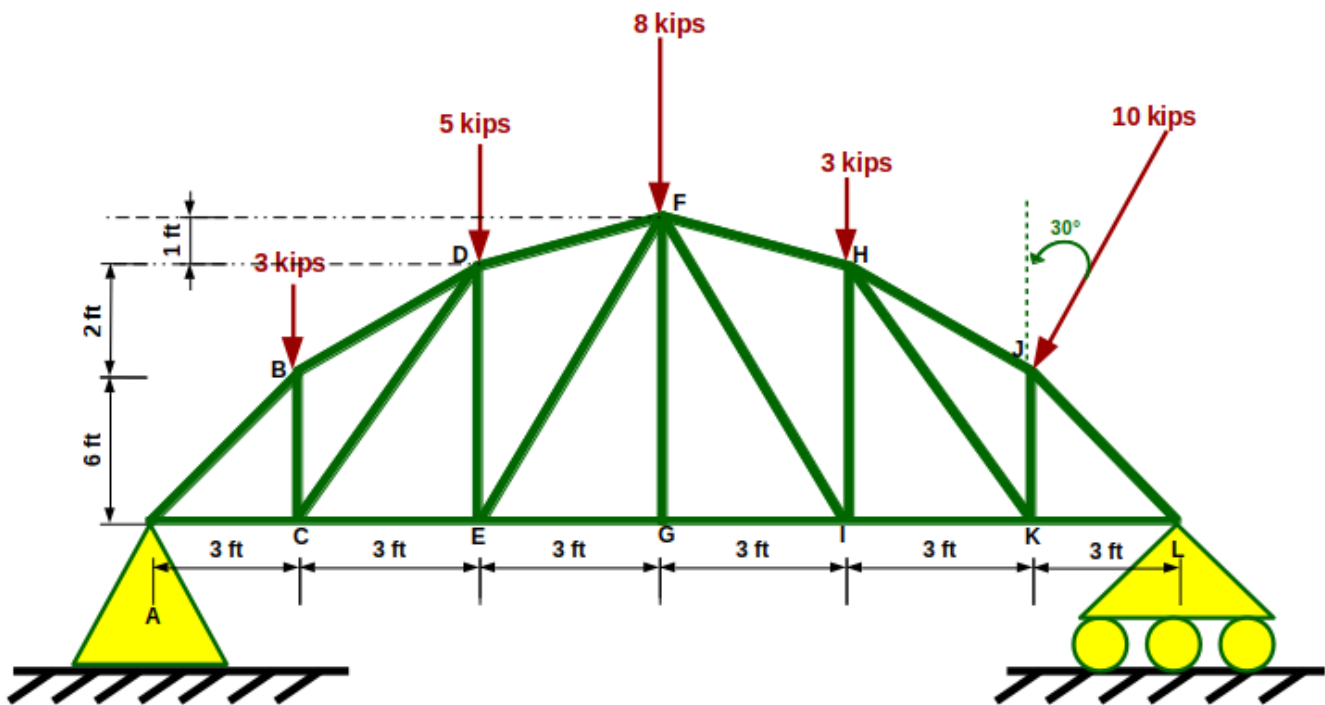Date: 15th January 2020

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).

Answers (refer to solutions for detail)

F_{EG} = 5.28 kips (T)
F_{EF} = 2.99 kips (C)
F_{DF} = 9.84 kips (C)