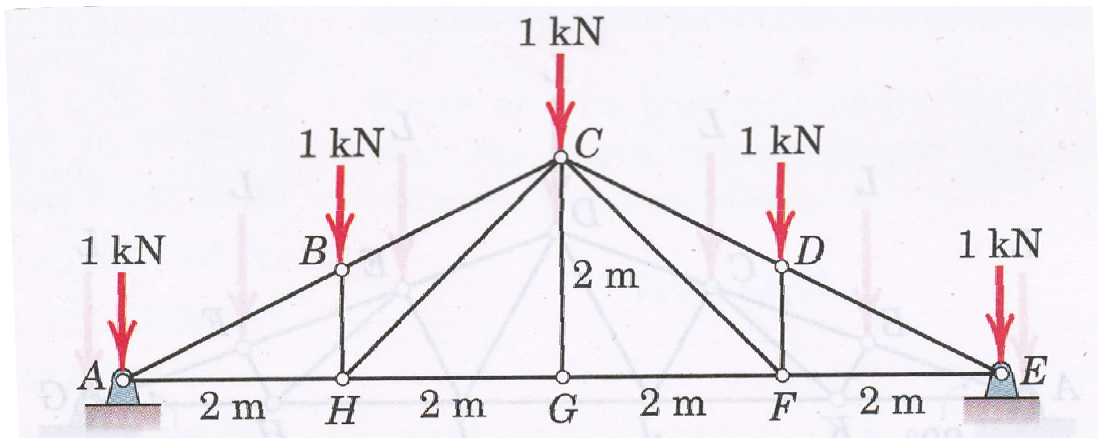


Quiz #5

Name: _____

A snow load transfers the forces, as shown to the upper joints of a Pratt roof truss. Neglect any horizontal reactions at the supports (or you may assume one of the supports, say, say the support at E is a roller-support). Solve for the internal forces in **all** members and indicate whether the members are in tension or compression.



Either joint analysis or section analysis can be used. Your solution should include necessary free-body diagrams and static equilibrium equations. Please circle your answers also mark your results on the figure.