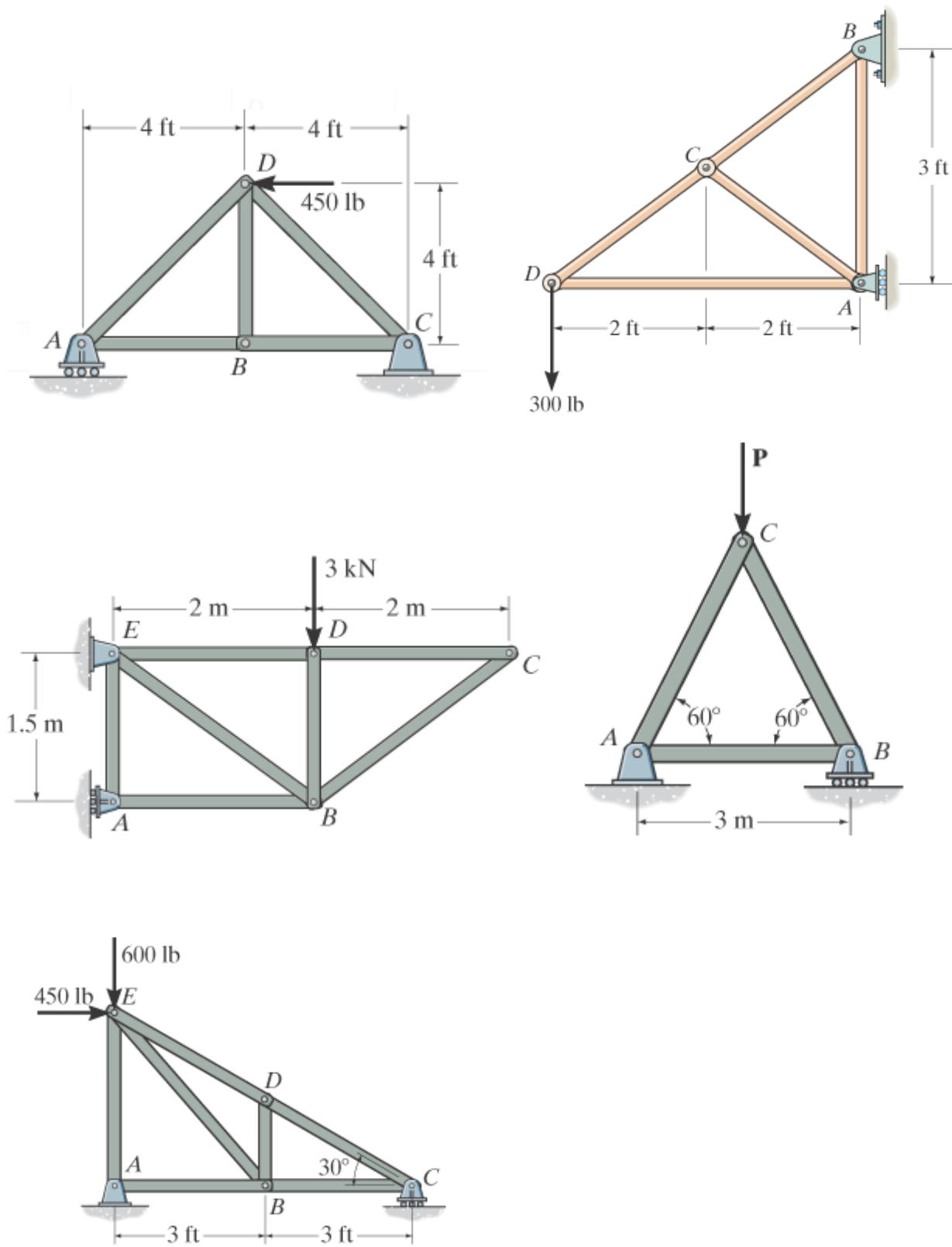
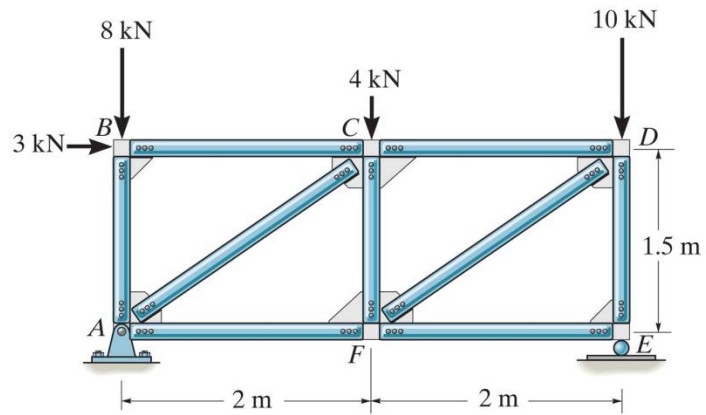


Identify the zero force members in the trusses:

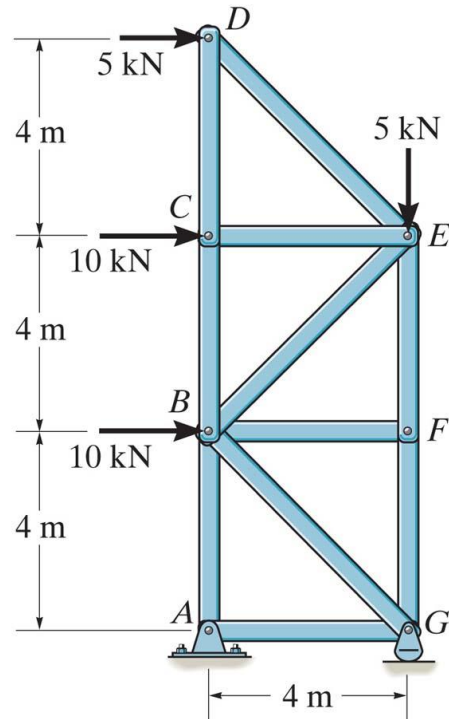




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Determine the force in each member of the truss by method of joints and state if it is in tension or compression.

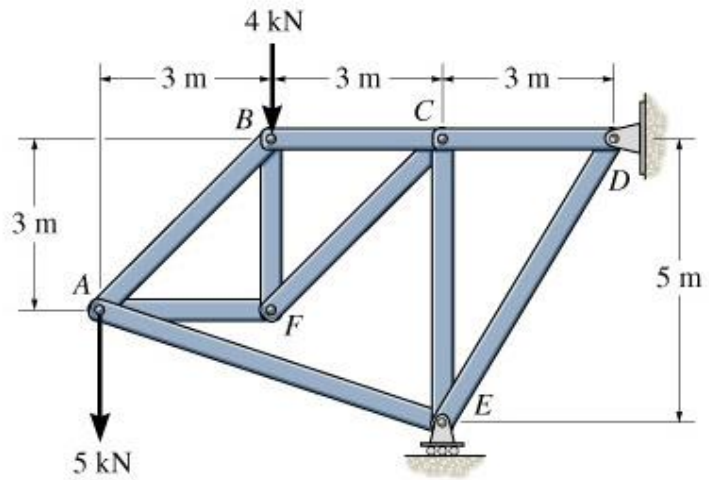
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Determine the force in members BC, BE, EF by method of sections and state if they are in tension or compression. Identify any zero force members.

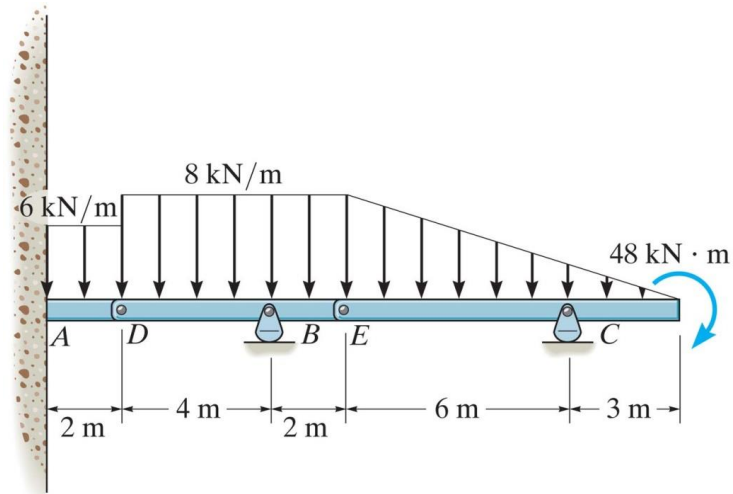
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Determine the force in members BC, FC, and AE by method of sections and state if in tension or compression.

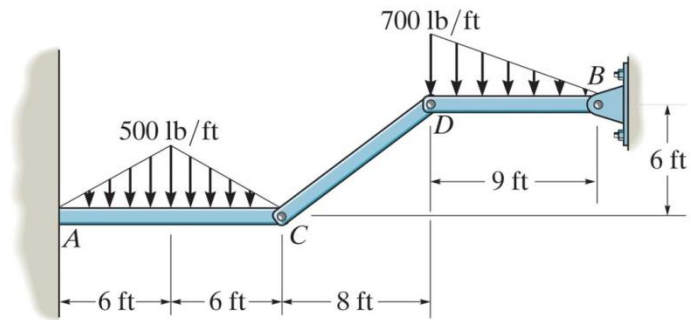
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Members AD, DE, and EC are pinned together at internal pins D and E. Draw the free-body diagrams and determine the support reactions at the fixed support at A and the rockers at B and C for the compound beam.

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Members AC, CD, DB are pinned together with internal pins at C and D. Draw the free-body diagrams and determine the support reactions at the fixed support A and the pin at B.

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