

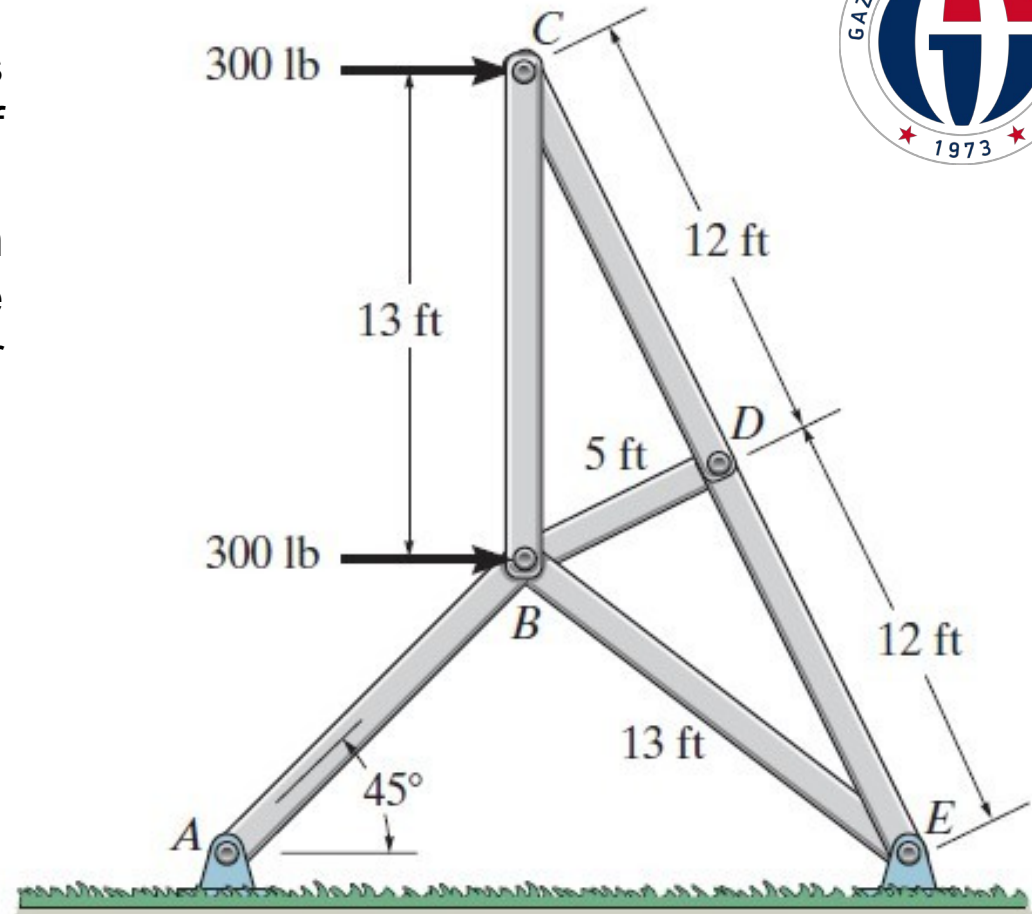
ME 201 STATICS



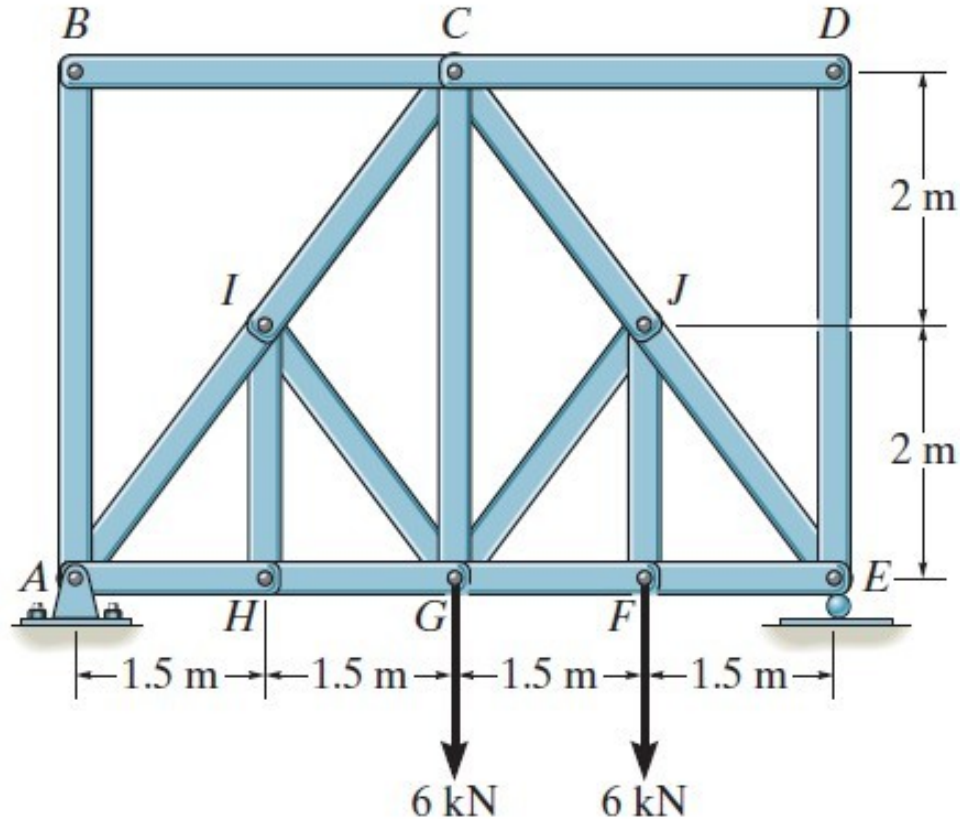
PROBLEM HOUR VI

TRUSS STRUCTURES

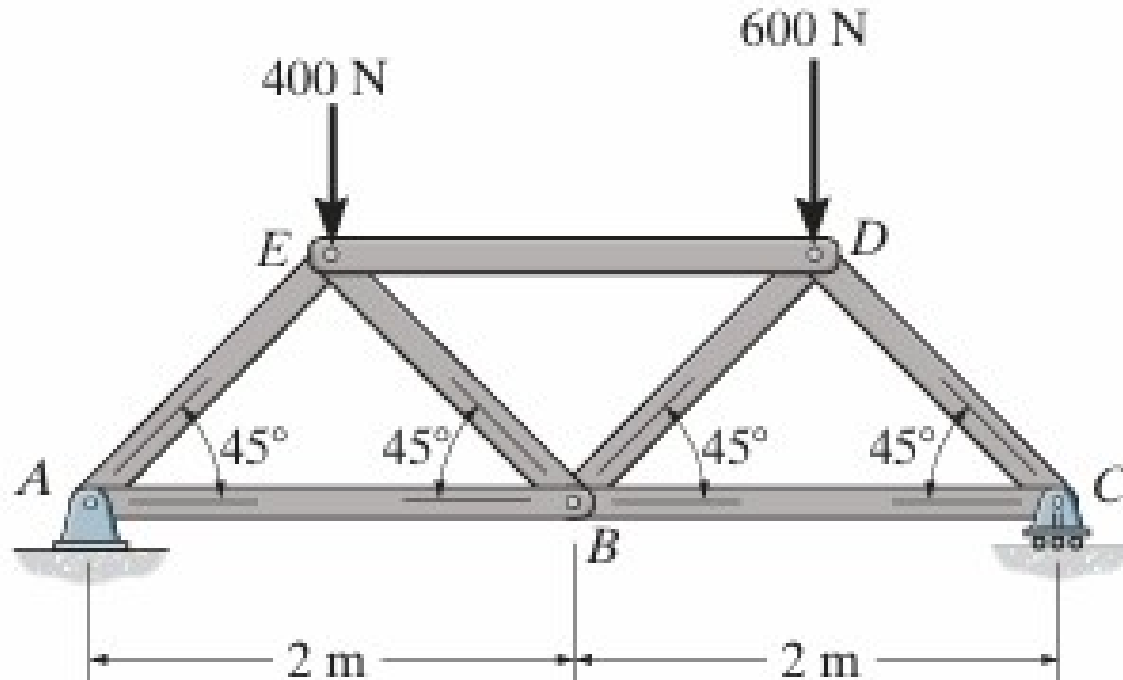
Q1) A sign is subjected to a wind loading that exerts horizontal forces of 300 lb on joints B and C of one of the side supporting trusses. Determine the force in each member of the truss and state if the members are in tension or compression.



Q2) Determine the force in members IC and CG of the truss and state if these members are in tension or compression. Also, indicate all zero-force members.



Q3) Determine the force in each member of the truss, and state if the members are in tension or compression.



Q4) Determine the force in each member of the truss and state if the members are in tension or compression. The load has a mass of 40 kg.

