Problem 16.160
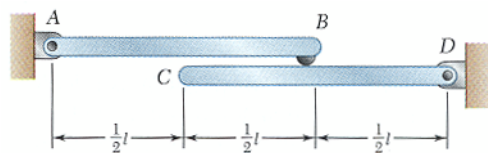
The slender rod AB of weight W is held in equilibrium by two counterweights each of mass 1/2W. If the wire at B is cut, determine the acceleration at that instant

 a) of point A
 b) of point B

Problem 16.162

Two slender rods of length l and mass m, are released from rest in the positions shown. Knowing that a small knob at end B of rod AB bears on rod CD, determine immediately after release

a) the acceleration of end C of the rod CD

b) the force exerted on the knob