GIVEN: Beam loaded with two forces 2*P* and *P* at B and E, respectively..
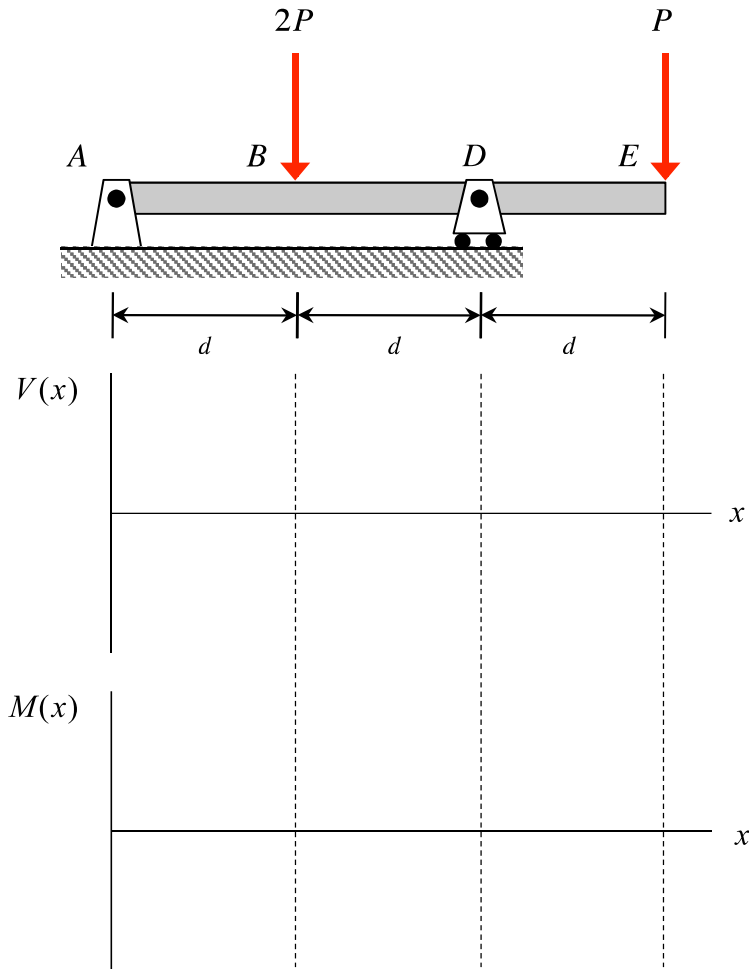
FIND: Construct the shear force and bending moment diagrams for this beam.

For this problem, use the following parameters: *d* = 0.4 m and P = 40 kN.

GIVEN: Beam loaded with force *P* at D, along with concentrated couples at A and B..

FIND: Construct the shear force and bending moment diagrams for this beam.

For this problem, use the following parameters: *L* = 9 ft, *M* = 50 kip-ft and *P* = 50 kips.