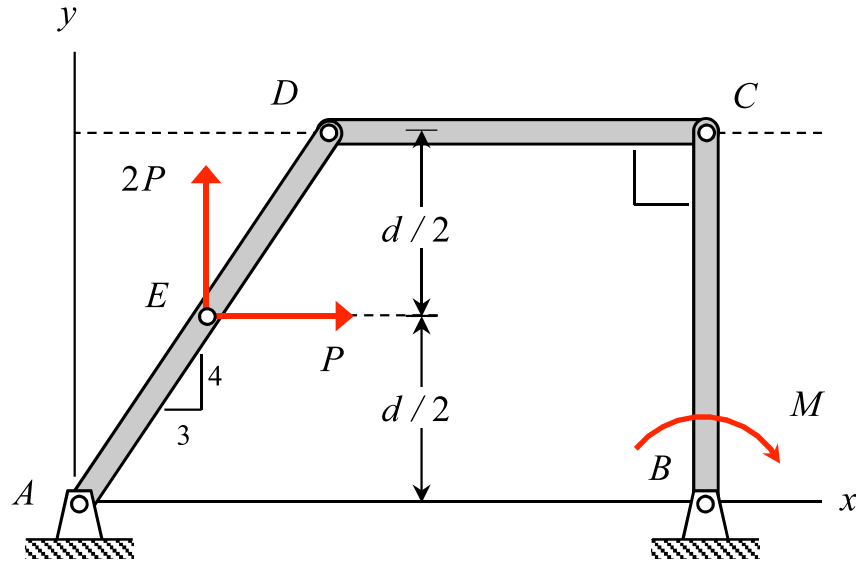Given: A machine is made up of links AD, DC and BC. A pair of forces is applied at E on link AB, and a couple *M* acts on member BC, as shown in the figure.

Find: For the position shown below with DC being horizontal and BC being vertical, determine the value of *M* required for equilibrium.. Write your answer as a vector. Express your answer in terms of *P* and *d*.

Homework H25.B

Given: A frame is made up of members AD and BC, with these two member pinned together at C.. A pulley system with one pulley pinned to AD at D, one pulley supporting a block having a weight of W and with the cable attached to points E and the midpoint of BC.

Find: Determine the reactions at A and B on the frame. Express your answer in terms W.