

The frame shown has three members (*Bent Member ADEC*, *Member BD* and *Member BCF*). A smooth pulley having a radius of 0.5 m is attached to the bent member at *E*. Member *BCF* has a slot at *C* and a 50 kN.m counterclockwise couple moment applied at *F*. The frame has pin supports at *A* and *B*.

Determine the forces exerted by the pins on each member of the frame and on the pulley.

