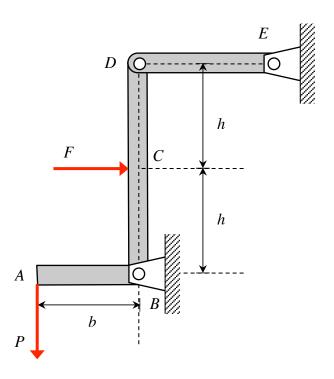
## Homework Problem H32.A

**Given**: A frame is made up of members AD and DE that are joined with a pin joint at D, and with AD being pinned to ground at B with a double-shear pin joint. A pair of forces, F and P, act on member AD at A and C, respectively. The pin at B has a diameter of d.

*Find*: Determine the shear stress in the pin at B.

For this problem, use the following parameters: b = 0.5 m, h = 0.5 m, d = 10 mm, F = 10 kN and P = 30 kN.



ME 270 62 ©Freeform