

SIMPLIFYING ASSUMPTIONS:

- SQUARE BLOCK REPRESENTS INFINITELY STIFF ANGLE
- WELD IS AT TOE OF ANGLE
- LOWER ANGLE BEARS @ HEEL NOT AT BOLT
- LOWER ANGLE TAKES ALL VERTICAL SHEAR

$$\sum \vec{M}_A = 0 = PL - F(g+d)$$

$$M = F(g+d)$$

$$M = PL$$

$$\sum \vec{M}_A = 0 = PL - Fd - Fg$$

$$M = F(d+g)$$

