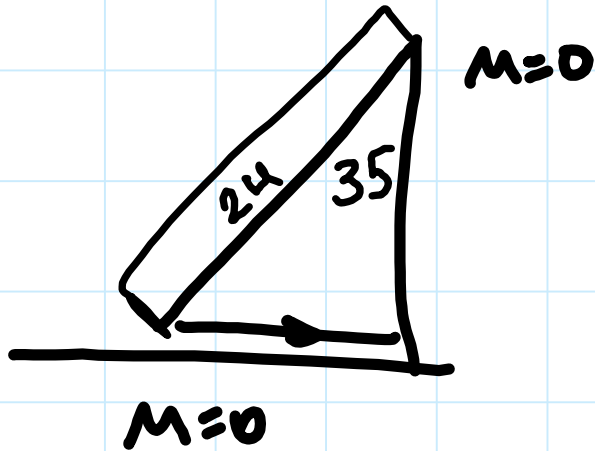
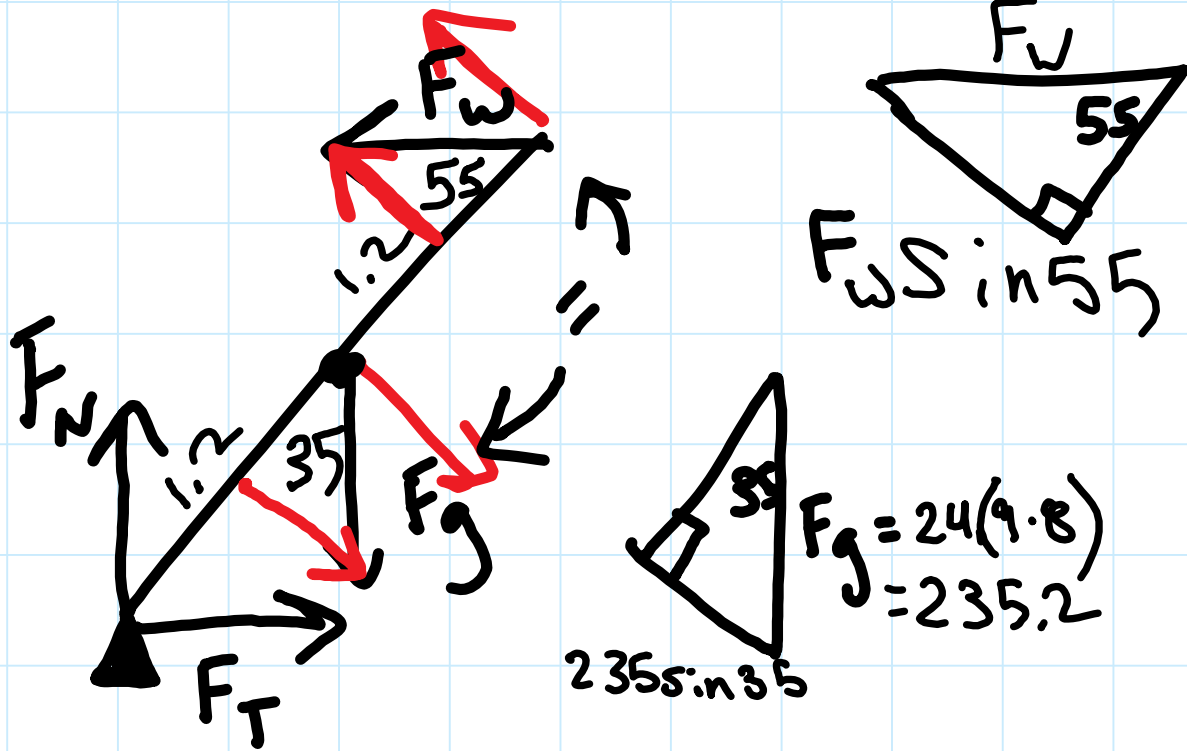


P12 - Equilibrium Ladder Notes

$$\tau = F_{\perp} d$$



$$\begin{aligned} \sum F_x = 0 & & \sum F_y = 0 \\ F_W = F_T & & F_N = F_g \\ \sum \tau = 0 & & \\ \tau_{\text{wall}} - \tau_{\text{wall}} = 0 & & \end{aligned}$$



$$\begin{aligned} \sin 0 &= 0 \\ & \underline{H} \\ H \sin 0 &= 0 \end{aligned}$$

$$\begin{aligned} \curvearrowleft &= \curvearrowright \\ F_{\perp} d &= F_{\perp} d \\ 235.2 \sin 35 (1.2) &= F_W \sin 55 (2.4) \\ \mathbf{F_W = 82N} \end{aligned}$$