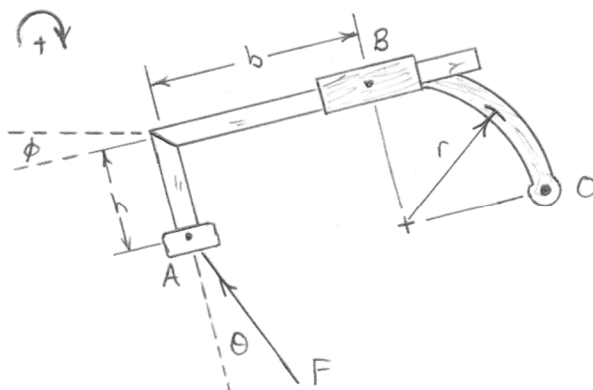


$$2/74 \quad b = 450 \text{ mm}, h = 215 \text{ mm}, r = 325 \text{ mm}, F = 520 \text{ N}, \theta = 15^\circ, \phi = 10^\circ$$



$$F = 520 \text{ N @ } 115^\circ \text{ CCW ABOVE HORIZONTAL}$$

$$\begin{cases} M_0 = F \cos \theta (b + r) - F \sin \theta (r - h) \\ = 520 \cos 15^\circ \left( \frac{450 + 325}{1000} \right) - 520 \sin 15^\circ \left( \frac{325 - 215}{1000} \right) \end{cases}$$

$\therefore M_0 = 374 \text{ N}\cdot\text{m CW}$