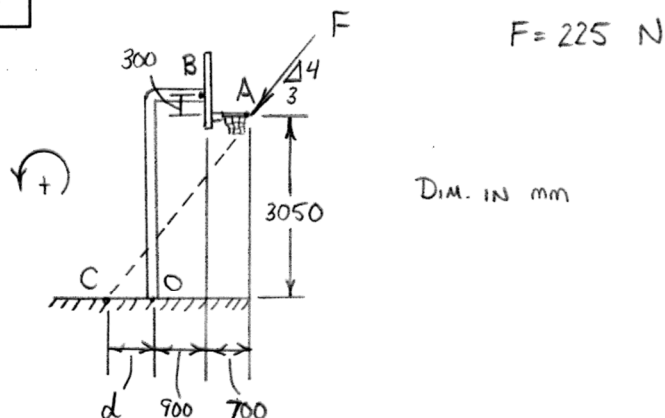


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$$F = 225 \text{ N}$$

Dim. in mm

$$M_O = 3.05\left(\frac{3}{5}F\right) - 1.6\left(\frac{4}{5}F\right) = 123.8 \rightarrow \underline{M_O = 123.8 \text{ N}\cdot\text{m} \text{ ccw}}$$

$$M_B = -0.3\left(\frac{3}{5}F\right) - 0.7\left(\frac{4}{5}F\right) = -166.5 \rightarrow \underline{M_B = 166.5 \text{ N}\cdot\text{m} \text{ cw}}$$

$$M_C = 0 = 3.05\left(\frac{3}{5}F\right) - (1.6 + d)\left(\frac{4}{5}F\right) \rightarrow d = 0.688 \text{ m}$$

$$\text{So... } \underline{d = 688 \text{ mm LEFT OF O}}$$