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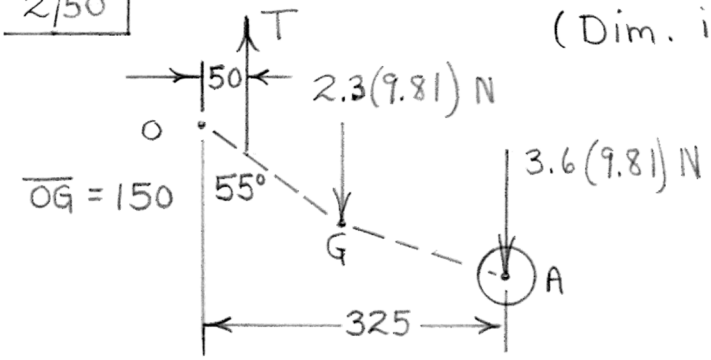

The combined moment about O of the weights of the 2.3-kg and 3.6-kg masses is

$$+\circlearrowright M_O = 2.3(9.81)(0.150 \sin 55^\circ) + 3.6(9.81)(0.325)$$

$$= \underline{14.25 \text{ N·m (CW)}}$$

$$+\circlearrowright \Sigma M_O = 0: \quad -T(0.050) + 14.25 = 0$$

$$\underline{T = 285 \text{ N}}$$

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