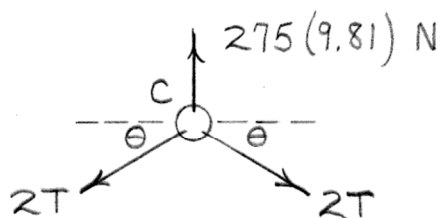


3/7 | FBD of junction ring C:



$$\theta = \tan^{-1} \frac{250}{900/2} \\ = 29.1^\circ$$

$$\uparrow + \sum F = 0: 275(9.81) - 4T \sin 29.1^\circ = 0$$

$$\underline{T = 1389 \text{ N}}$$

WILEY