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Considers free body diagram for D.

$$\sum F_z = 0$$

$$T_1 \cos \theta + T_2 \cos \beta = 0$$

$$BO = \sqrt{1^2 + 1.5^2} = 1.8 \text{ m}$$

$$OC = \sqrt{1^2 + 1.5^2} = 1.8 \text{ m}$$

$$BD = CD = \sqrt{1.8^2 + 3^2} = 3.5 \text{ m}$$

$$T_1 \left(\frac{3}{3.5} \right) + T_2 \left(\frac{3}{3.5} \right) = 0$$

$$T_1 = T_2 = T$$

Considers free body diagram of whole thing

$$\sum M_{//y_A} = 0$$

$$2 \cdot T \left(\frac{3}{3.5} \right) (1.5) - 300 (1) = 0$$

$$T = 116.67 \text{ N}$$

$$\sum M_{BC} = 0$$

$$-300 (0.5) + V_A (1.5) = 0$$

$$V_A = 100 \text{ N}$$

to get R_x , $\sum F_x$ or $\sum M_{//x_c}$
 R_y , $\sum F_y$ or $\sum M_z$