



$$\sum F_{x} = A_{x} - R = 0 \rightarrow R = A_{x}$$

$$\sum F_{y} = A_{y} + C_{y} - F = 0$$

$$\sum M_{c} = 30 \text{ mm} \cdot F - 70 \text{ mm} \cdot A_{y} \rightarrow A_{y} = \frac{3}{7} 100 \text{ N}$$

$$\sum C_{y} = \frac{4}{7} 100 \text{ N}$$

$$\frac{Cy}{R} = tan \theta_2$$



