



Example 2.

$$F_x = (20) (\cos 30^\circ) = 17,30 \text{ kN}$$

$$\frac{F}{\sin 45} = \frac{F_y}{\sin 30} \quad F_y = \frac{F \times \sin 30}{\sin 45} = 14,10 \text{ kN}$$

$$\frac{F}{\sin 45} = \frac{F_x}{\sin 105} \quad F_x = \frac{F \times \sin 105}{\sin 45} = 27,30 \text{ kN}$$

atau

$$F_r^2 = F^2 + F_y^2 - 2 \cdot F \cdot F_y \cdot \cos 105$$

$$F_x^2 = 20^2 + 14,10^2 - 2(20)(14,10) \cos 105$$

$$F_x = 27,29 \text{ kN}$$