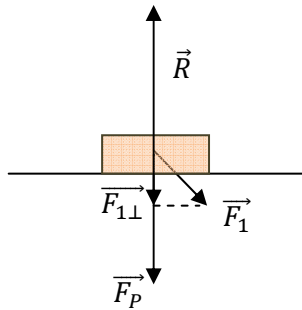


REAZIONI VINCOLARI

PIANO ORIZZONTALE

PIANO INCLINATO



$$\vec{R} = -(\vec{F}_P + \vec{F}_{1\perp})$$

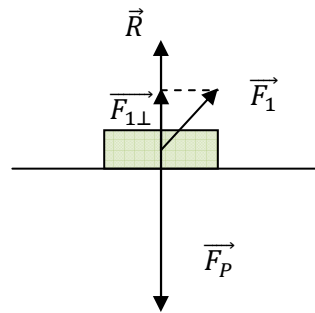
$$R = F_P + F_{1\perp}$$

ESEMPIO

$$\vec{F}_{1\perp} = 3 \text{ N}$$

$$m = 5 \text{ Kg}$$

$$R \cong 50 \text{ N} + 3 \text{ N} \\ = 53 \text{ N}$$



$$\vec{R} = -(\vec{F}_P + \vec{F}_{1\perp})$$

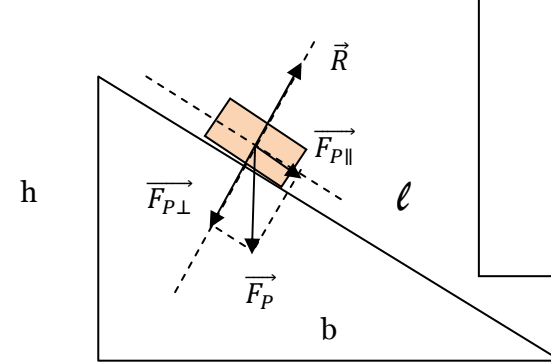
$$R = F_P - F_{1\perp}$$

ESEMPIO

$$\vec{F}_{1\perp} = 3 \text{ N}$$

$$m = 5 \text{ Kg}$$

$$R \cong 50 \text{ N} - 3 \text{ N} \\ = 47 \text{ N}$$



$$F_{P\parallel} = F_P \cdot \frac{h}{l}$$

$$F_{P\perp} = F_P \cdot \frac{b}{l}$$

$$\vec{R} = -\vec{F}_{P\perp}$$

$$h : l = F_{P\parallel} : F_P$$

ESEMPIO

$$m = 5 \text{ Kg}, h = 3 \text{ m}, l = 5 \text{ m}, b = 4 \text{ m}$$

$$F_{P\parallel} = 50 \cdot \frac{3}{5} = 30 \text{ N}$$

$$F_{P\perp} = 50 \cdot \frac{4}{5} = 40 \text{ N}$$

$$R = 40 \text{ N}$$