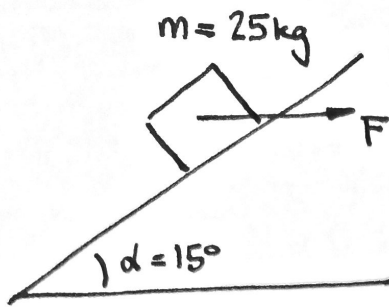
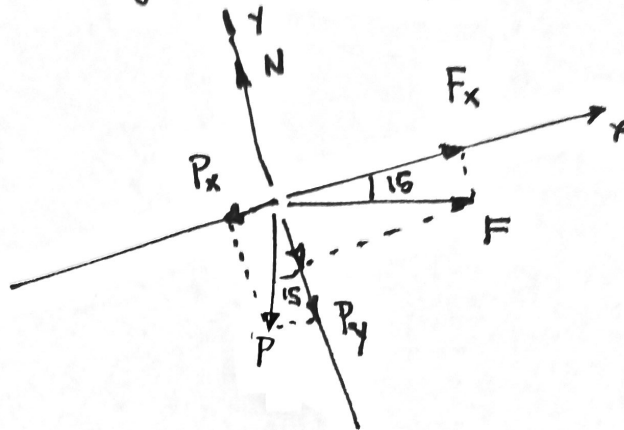


15.



Pujant a velocitat constant  $\Rightarrow a=0$

Diagrama de forces:



Equacions de Newton:

$$\text{en } x: F_x - P_x = 0 \Rightarrow F \cos 15^\circ - mg \sin 15^\circ = 0 \quad (1)$$

$$\text{en } y: N - F_y - P_y = 0 \Rightarrow N - F \sin 15^\circ - mg \cos 15^\circ = 0 \quad (2)$$

De l'equació (1):

$$F = \frac{mg \sin 15^\circ}{\cos 15^\circ} = mg \tan 15^\circ = 25 \cdot 9,81 \cdot \tan 15^\circ = \boxed{65,7 \text{ N}}$$