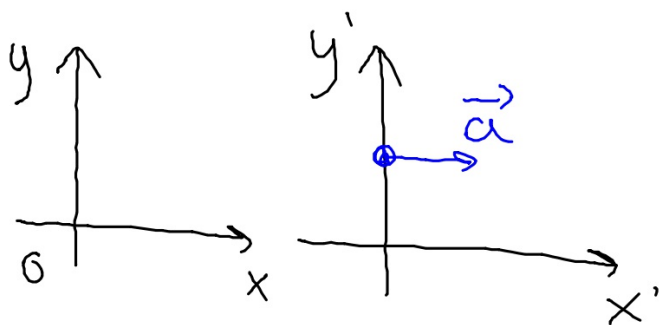


SISTEMI NON INERZIALI

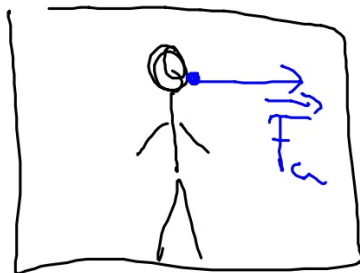
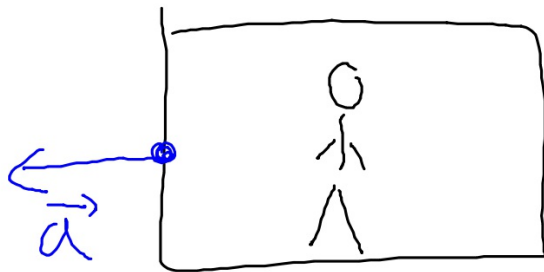


$$\vec{F} = -m\vec{a}$$

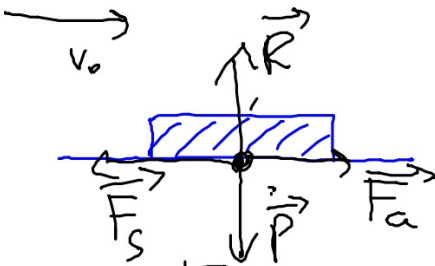
~~F = ma~~



$$\vec{V}_0 \rightarrow$$



$$v_0 = 80 \text{ km/h}$$



$$a = -10 \text{ m/s}^2$$

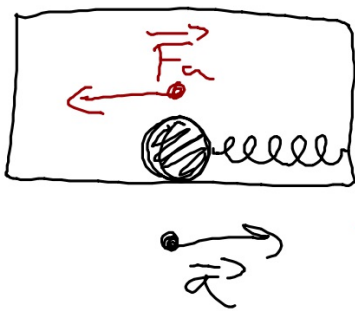
$$m = 1,5 \text{ kg}$$

$$F_A = -ma$$

$$F_A = \mu_s \cdot R = \mu_s mg$$

$$\cancel{m}a = \mu_s \cancel{m}g$$

$$\mu_s = \frac{a}{g}$$



$$K = 400 \frac{\text{N}}{\text{m}}$$

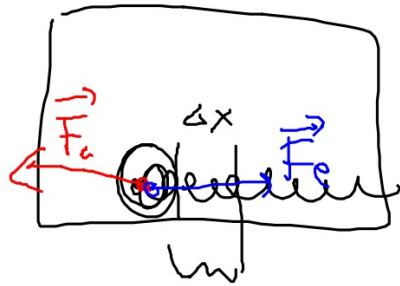
$$m = 4 \text{ kg}$$

$$a = 10 \frac{\text{m}}{\text{s}^2}$$

$$F_a = F_c \quad ma$$

$$ma = K \cdot \Delta x$$

$$\Delta x = \frac{ma}{K}$$

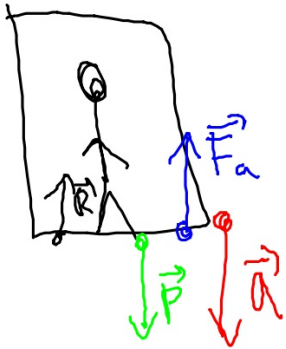




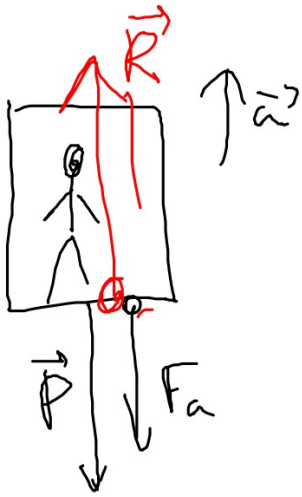
$$m = 80 \text{ Kg}$$

$$R = mg$$

$$F_a = 0$$



$$R = P - F_a = mg - ma = m(g - a)$$



$$R = m(g + a)$$
