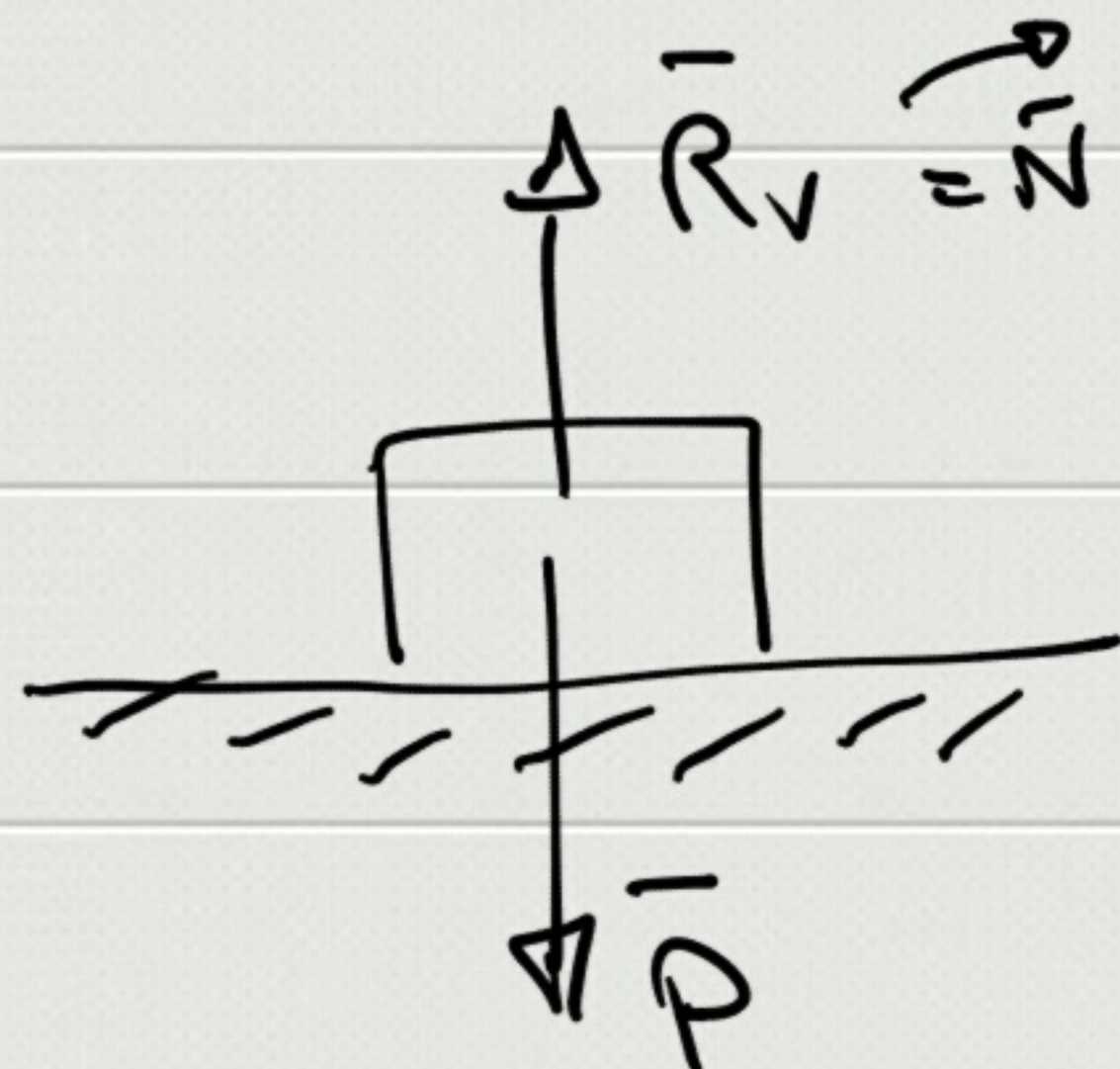
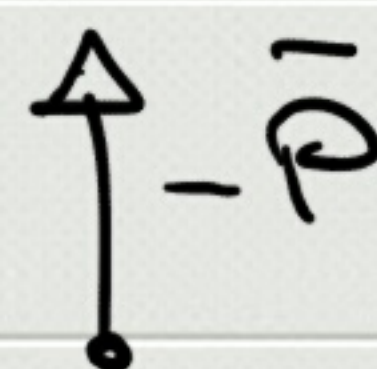
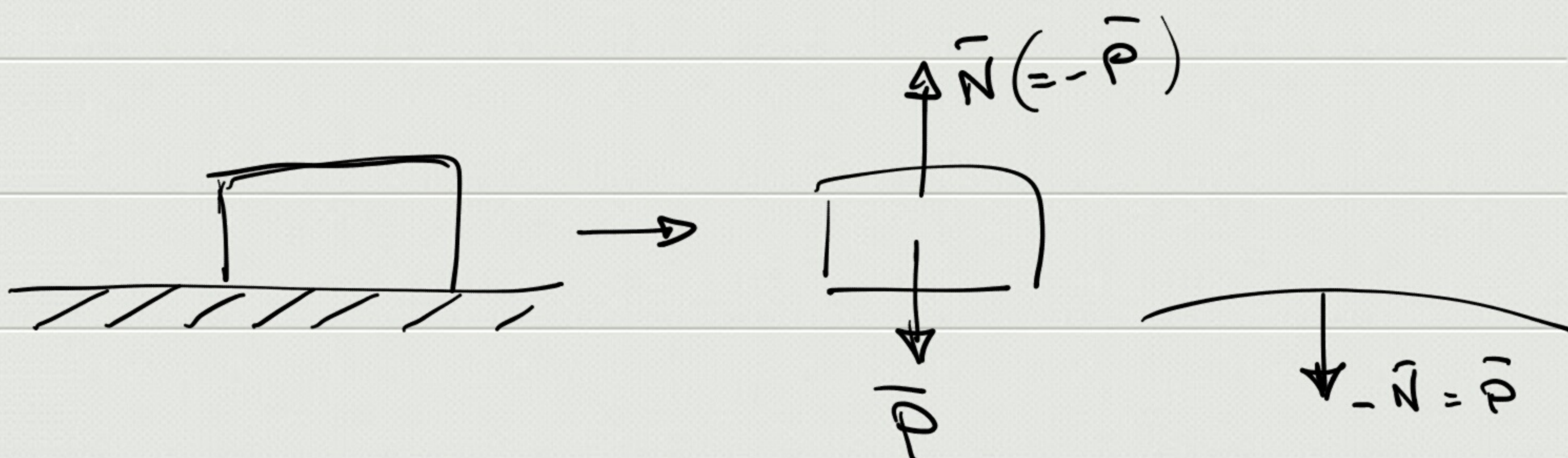
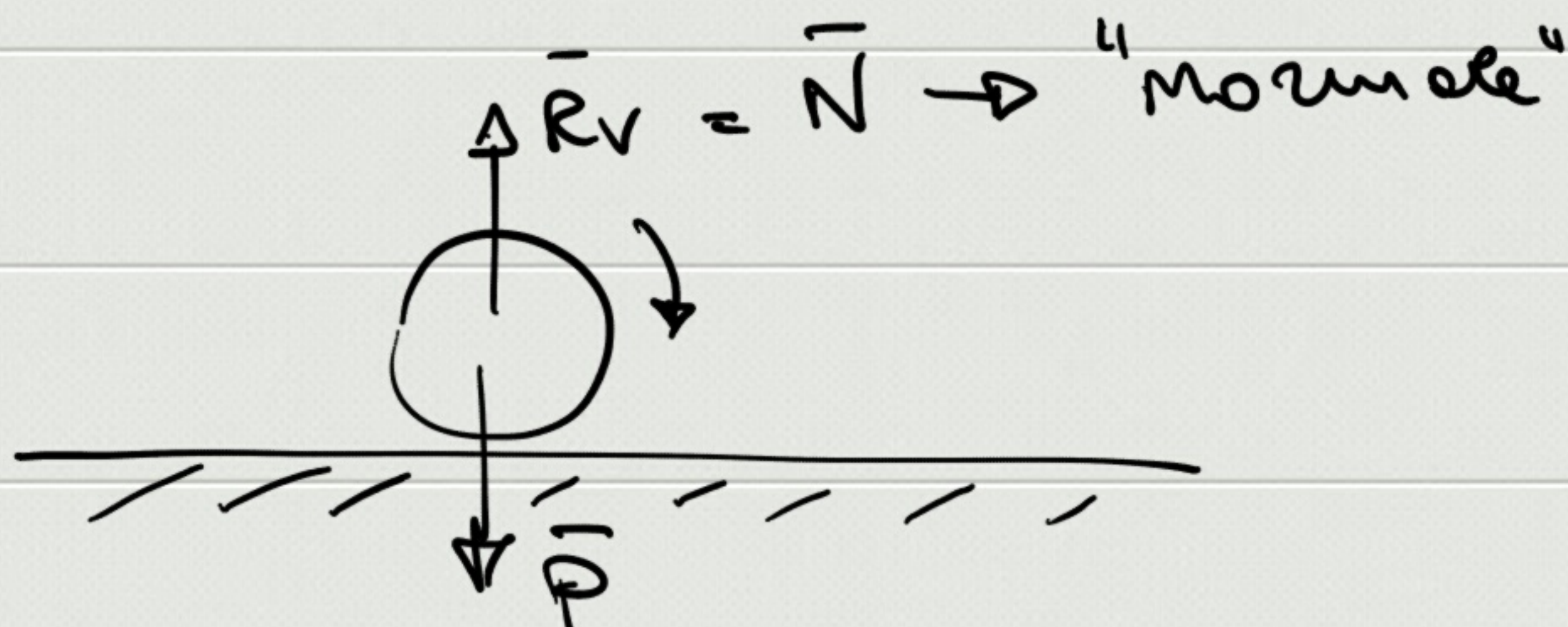
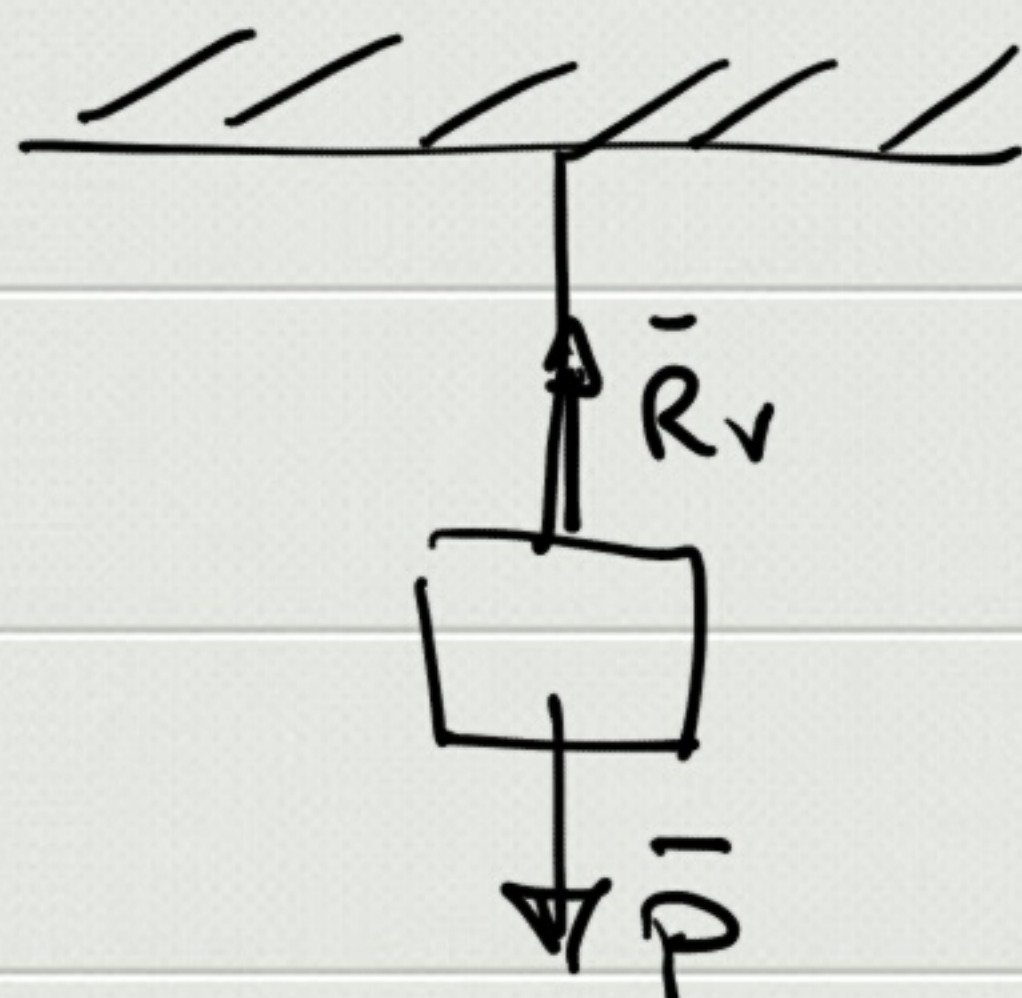


reazione vincolare

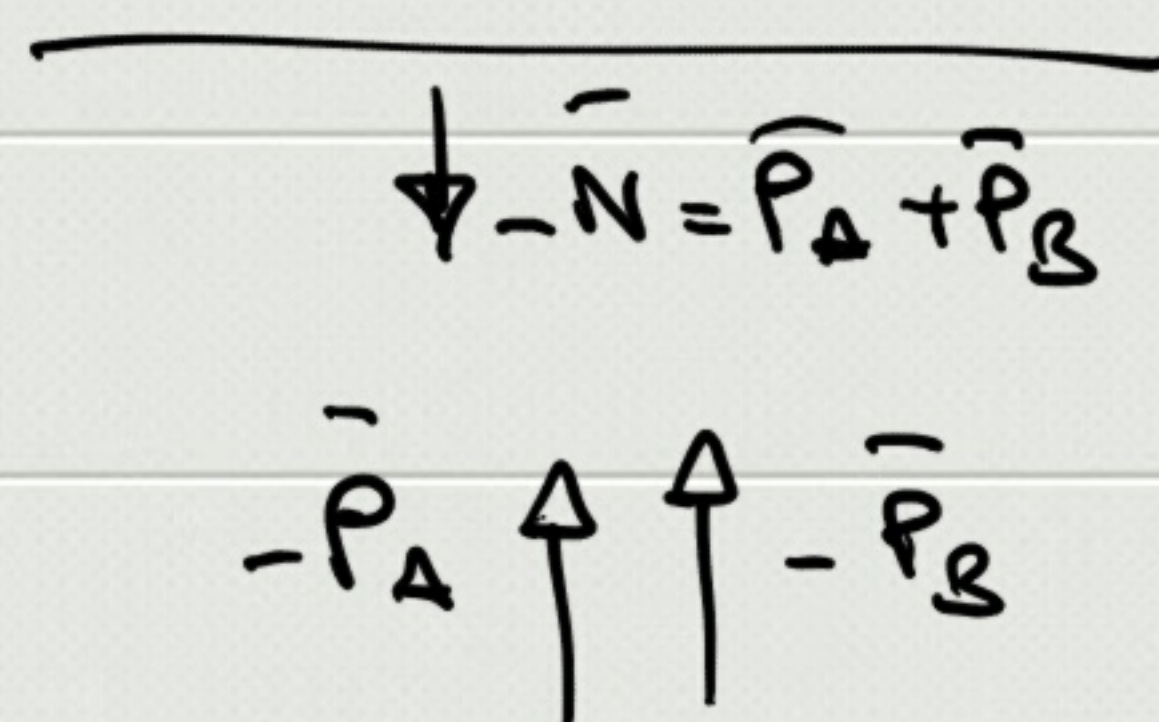
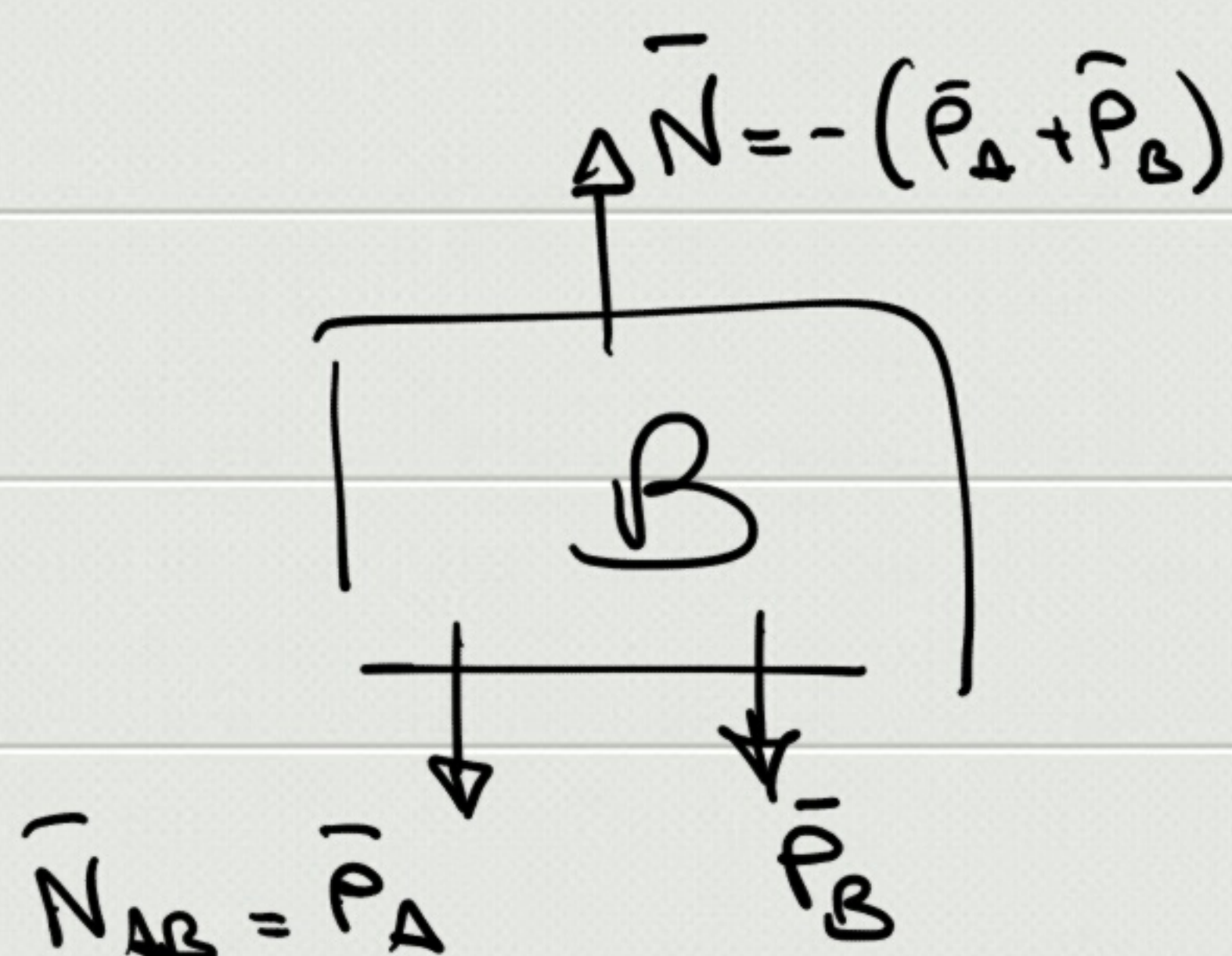
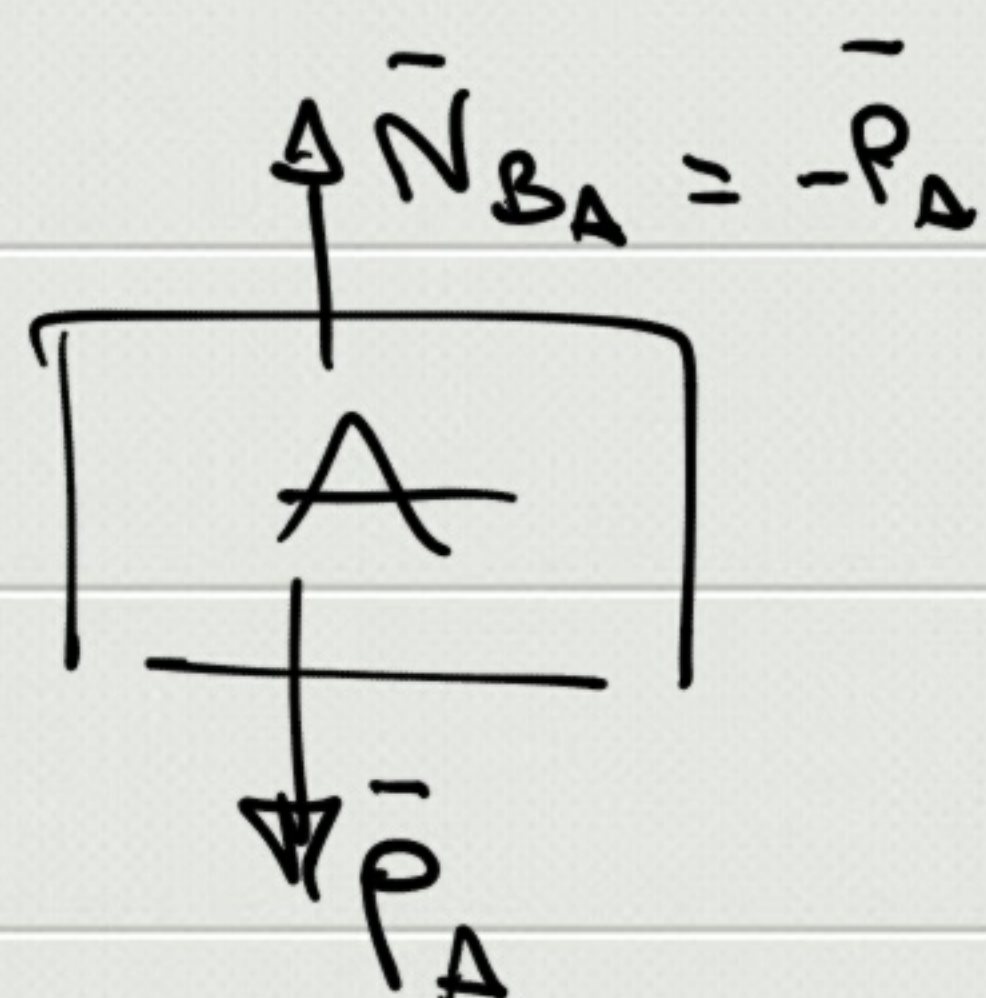
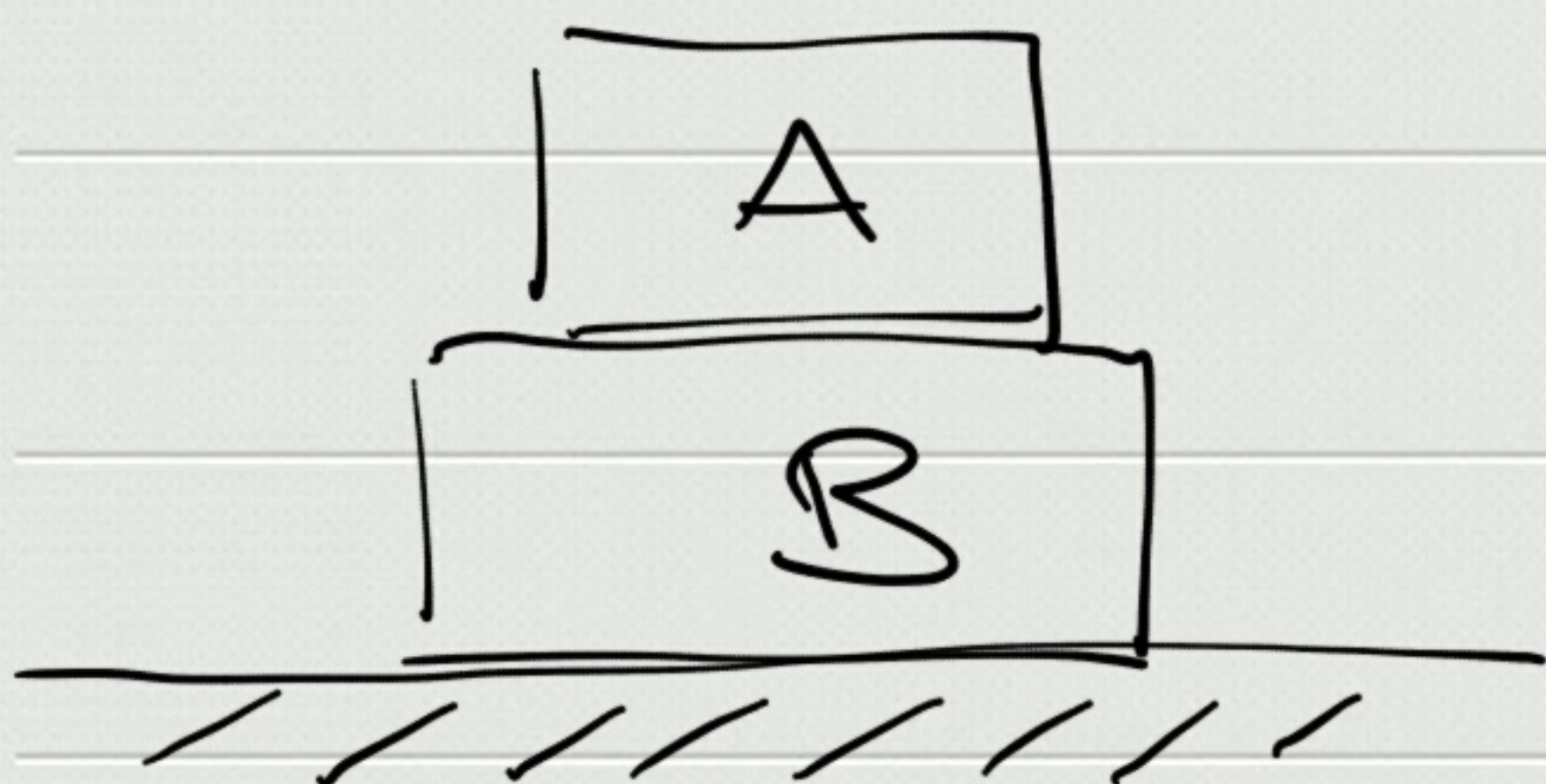


$$\vec{R} = \sum_i \vec{F}_i = m \vec{a}$$

$$\vec{R} = \vec{P} + \vec{R}_v = 0 \Rightarrow \boxed{\vec{R}_v = -\vec{P}}$$









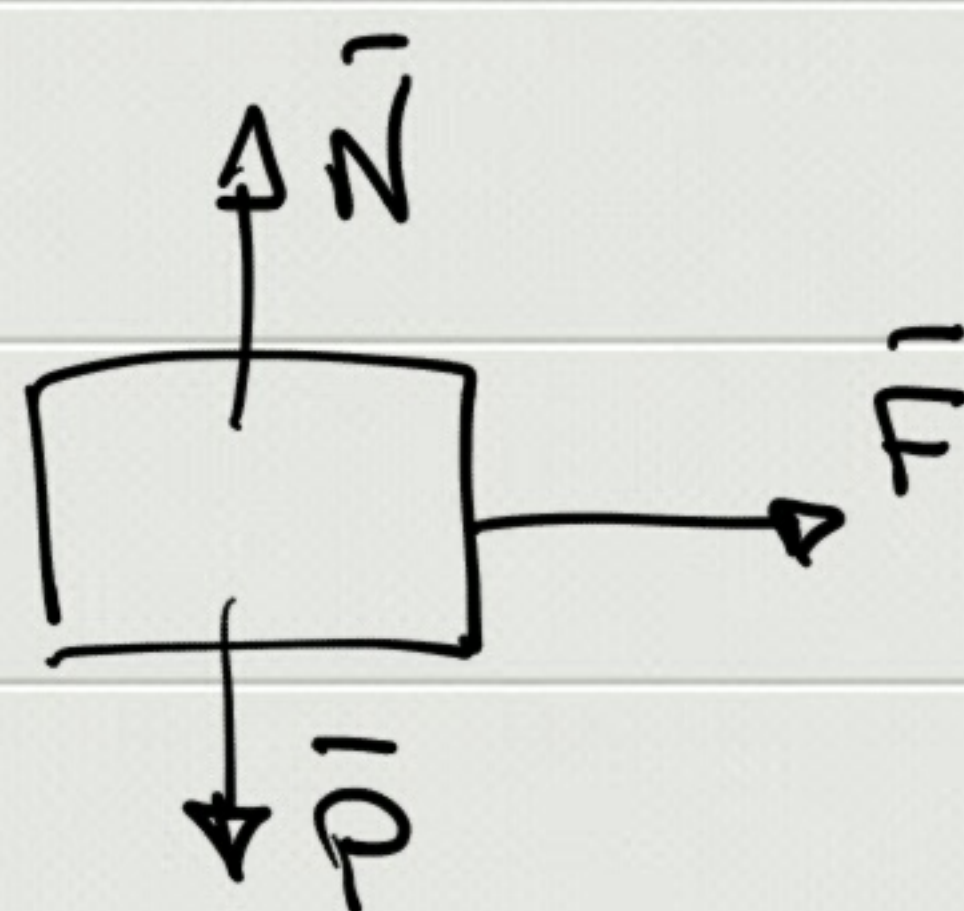
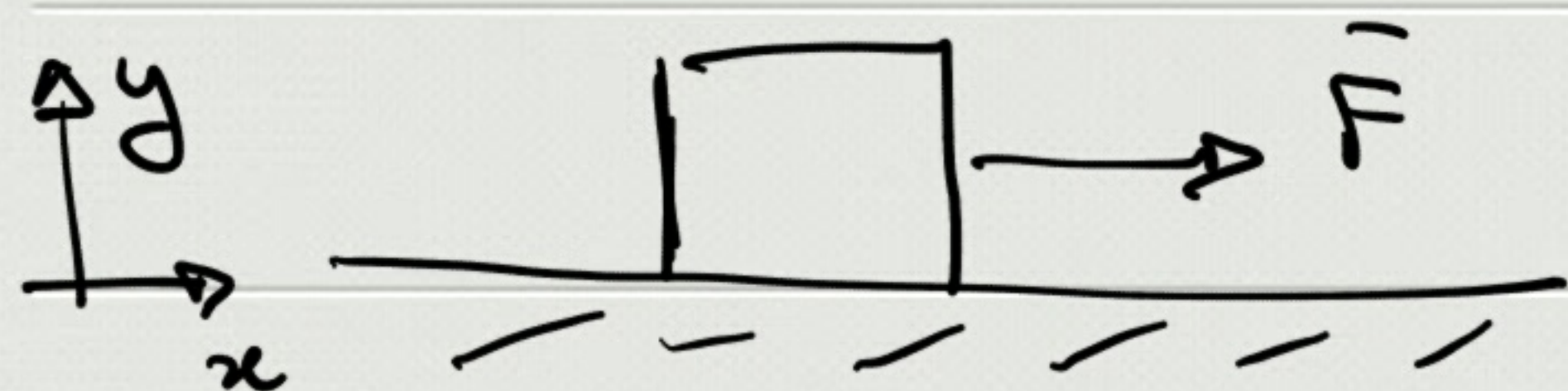


Diagramma di corpo libero

$$\Sigma \vec{F}_i = m \vec{a}$$

$$\vec{F} + \vec{P} + \vec{N} = m \vec{a}$$

$$x: \int F = m a_x \Rightarrow a_x = \frac{F}{m}$$

$$y: \begin{cases} N - P = m a_y = 0 \end{cases} \Rightarrow N = P$$

$$F = \text{cost} \Rightarrow a_x = \text{cost} \Rightarrow x(t) = x_0 + v_{0x}t + \frac{1}{2} a_x t^2$$

$$x_0 = 0 \quad v_0 = 0 \Rightarrow \boxed{x(t) = \frac{1}{2} \left( \frac{F}{m} \right) t^2}$$