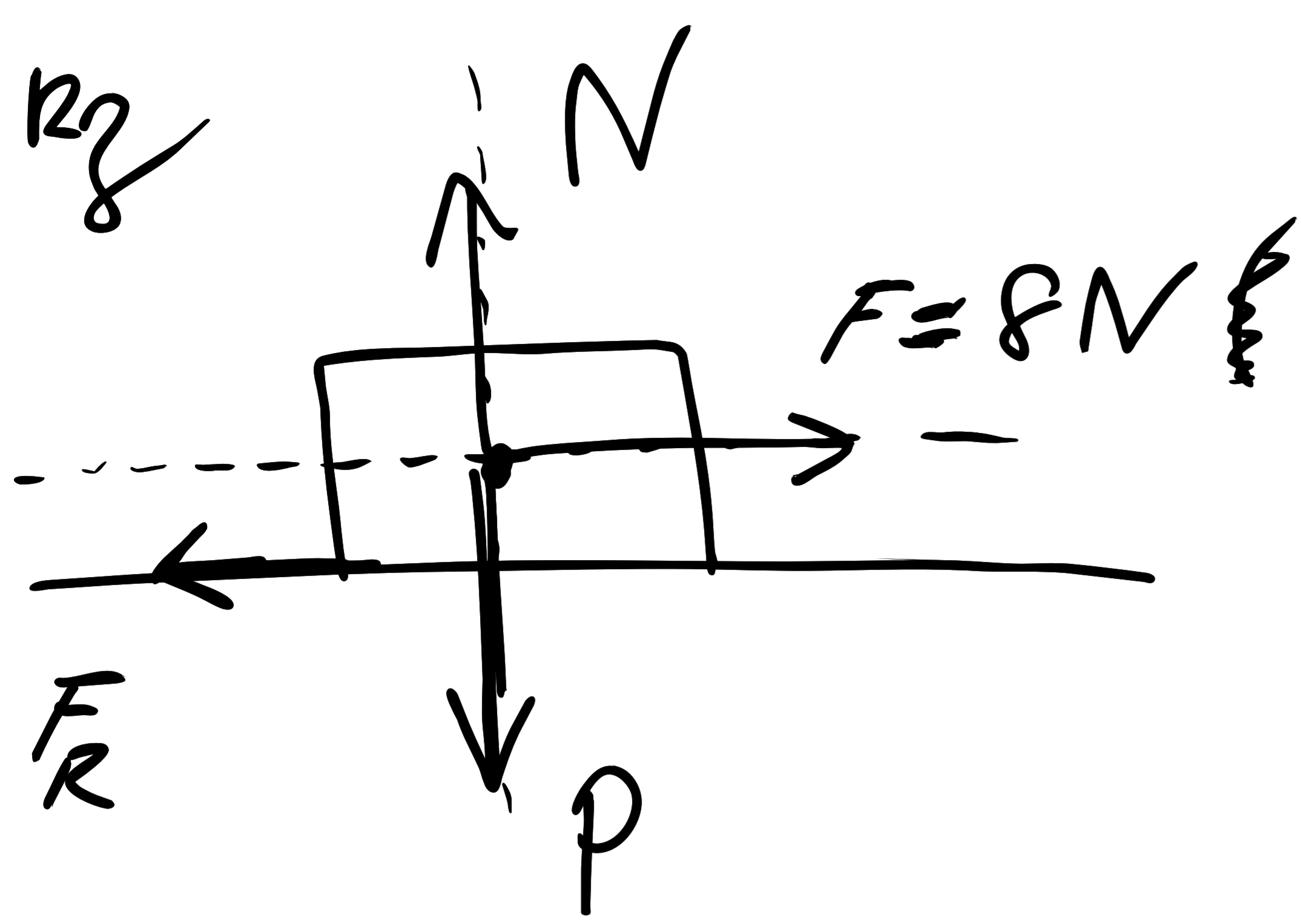


20°) 967 adelviver (p. 00)

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



EJE Y

$$P - N = 0$$

$$P = N \Rightarrow N = m \cdot g$$

$$N = (5 \text{ kg}) \cdot (9.8 \text{ m/s}^2)$$

$$N = 49 \text{ N}$$

EJE X

$$F - F_R = m \cdot a$$

$$F_R = F - m \cdot a \Rightarrow F_R = (8 \text{ N}) - (5 \text{ kg}) (1.2 \text{ m/s}^2)$$

$$F_R = (8 - 6) \text{ N} \Rightarrow F_R = 2 \text{ N}$$

d)

$$F_R = \mu \cdot N \Rightarrow \mu = \frac{F_R}{N} = \frac{2 \text{ N}}{49 \text{ N}} = 0.04$$

$$\mu = 0.04$$

Recuerda que el coeficiente de rozamiento es "adimensional".