2) 
$$\mathcal{E}F_{EN}=0 \Rightarrow \Delta \vec{p}=0$$

$$P_0 = P_{\pm}$$

$$P_1 = P_{\pm} + P_{\pm}$$

$$V_0 = 0 \Rightarrow P_0 = 0$$

$$V_{\pm} \Rightarrow V_0 \Rightarrow V$$

$$|\overrightarrow{F}| \cdot \Delta x = \mathcal{E}_{CF} - \mathcal{E}_{CO} \qquad \mathcal{E}_{Co} = 0$$

$$|\overrightarrow{F}| = \frac{m_F \cdot V_F^2}{2 \Delta x} = \frac{m_F \left(\frac{m_B}{m_F} V_B\right)^2}{2}$$

 $|\overrightarrow{F}| = \frac{m_0^2 \cdot V_0^2}{m_F} \cdot V_0^2$   $|\overrightarrow{F}| = (0,01 \, \text{kg})^2 \cdot (500 \, \text{m})^2$   $2 \cdot 5 \, \text{kg} \cdot 0,015 \, \text{m}$   $|\overrightarrow{F}| = 166 \, \text{N}$   $|\overrightarrow{F}| = 166 \, \text{N}$ 

hombro del tirador