

# URTO ELASTICO

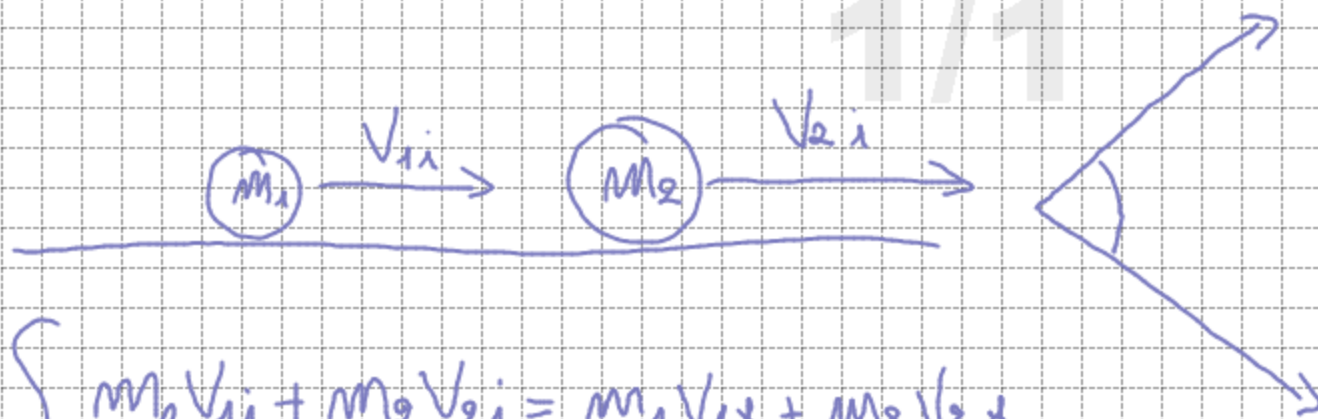
$$V_i = V_{1i}$$

$$V_{1i} > V_{2i}$$

$$V_f = V_{2f}$$

$$m_1, m_2$$

$$m_2 > m_1$$



$$\begin{cases} P_i = P_f \\ E_{ci} = E_{cf} \end{cases} \begin{cases} m_1 V_{1i} + m_2 V_{2i} = m_1 V_{1f} + m_2 V_{2f} \\ \frac{1}{2} m_1 V_{1i}^2 + \frac{1}{2} m_2 V_{2i}^2 = \frac{1}{2} m_1 V_{1f}^2 + \frac{1}{2} m_2 V_{2f}^2 \end{cases}$$

$$P_{avg} = 159 \text{ m}^{-2} 23$$

$$m = 2,6 \cdot 10^{-2} \text{ g}$$

$$V_i = 2,8 \text{ m/s}$$

$$\alpha = 45^\circ$$

$$V_f = 2,5 \text{ m/s}$$

Rimbatta in direzione simmetrica

$$I = F \cdot \Delta t = \Delta p$$

$$V_{ix} = V_i \cos 45^\circ = 1,96$$

