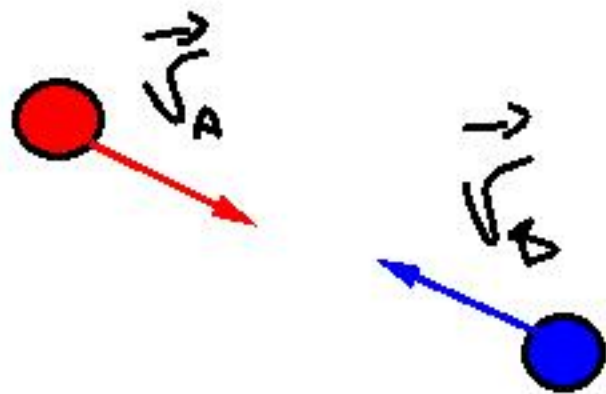
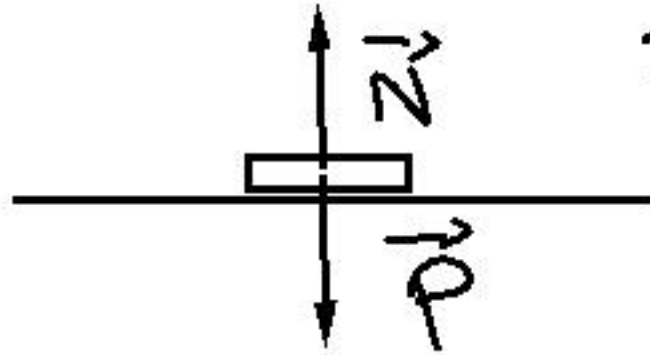


SISTEMA ISOLATO

INIE

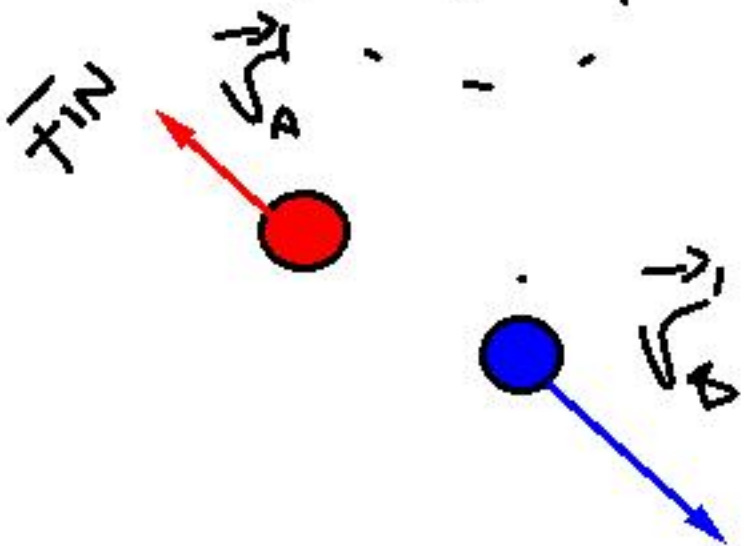


$$P_{INIE} = m_A v_A + m_B v_B$$

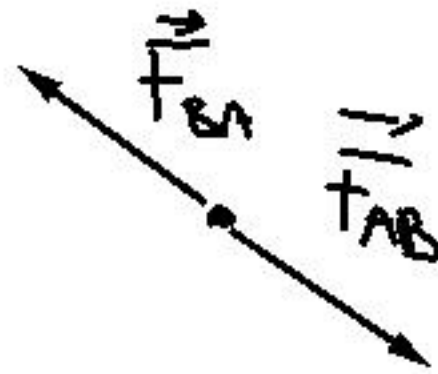


Prima a etapa
1. unto $v = \text{const}$

UP/IG



$$P_{FIN} = m_A v'_A + m_B v'_B$$



$$F_{AB} = -F_{BA}$$

IMPULSIVE
 Δt

$$\left\{ \begin{aligned} F_{AB} &= m_B a_B \\ F_{BA} &= m_A a_A \end{aligned} \right.$$

$$a_B = \frac{v'_B - v_B}{\Delta t}$$

$$a_A = \frac{v'_A - v_A}{\Delta t}$$

$$m_B \frac{v'_B - v_B}{\Delta t} = -m_A \frac{v'_A - v_A}{\Delta t}$$

$$P_{INIE} = P_{FIN}$$

$$\Delta \vec{p} = 0 \Leftrightarrow \sum_i \vec{f}_i = 0$$

$$\frac{\Delta \vec{p}}{\Delta t} = m \frac{\Delta \vec{v}}{\Delta t} = \vec{F}_R$$

$$\vec{F}_R = \frac{\Delta \vec{p}}{\Delta t}$$

