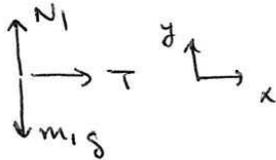


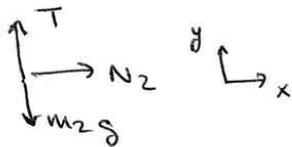
DCL m_1



$$\hat{x}) T = m_1 a \quad (1)$$

$$\hat{y}) N_1 - m_1 g = 0 \Rightarrow N_1 = m_1 g$$

DCL m_2



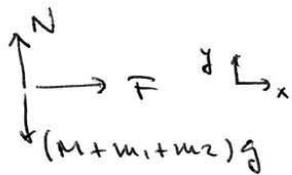
$$\hat{x}) N_2 = m_2 a$$

$$\hat{y}) T - m_2 g = 0 \Rightarrow T = m_2 g$$

Entonces de (1) se tiene

$$m_2 g = m_1 a \Rightarrow a = \frac{m_2 g}{m_1}$$

DCL sistema



$$\hat{x}) F = (M + m_1 + m_2) a \quad (2)$$

$$\hat{y}) N - (M + m_1 + m_2) g = 0$$

De (2)

$$F = (M + m_1 + m_2) \frac{m_2 g}{m_1}$$