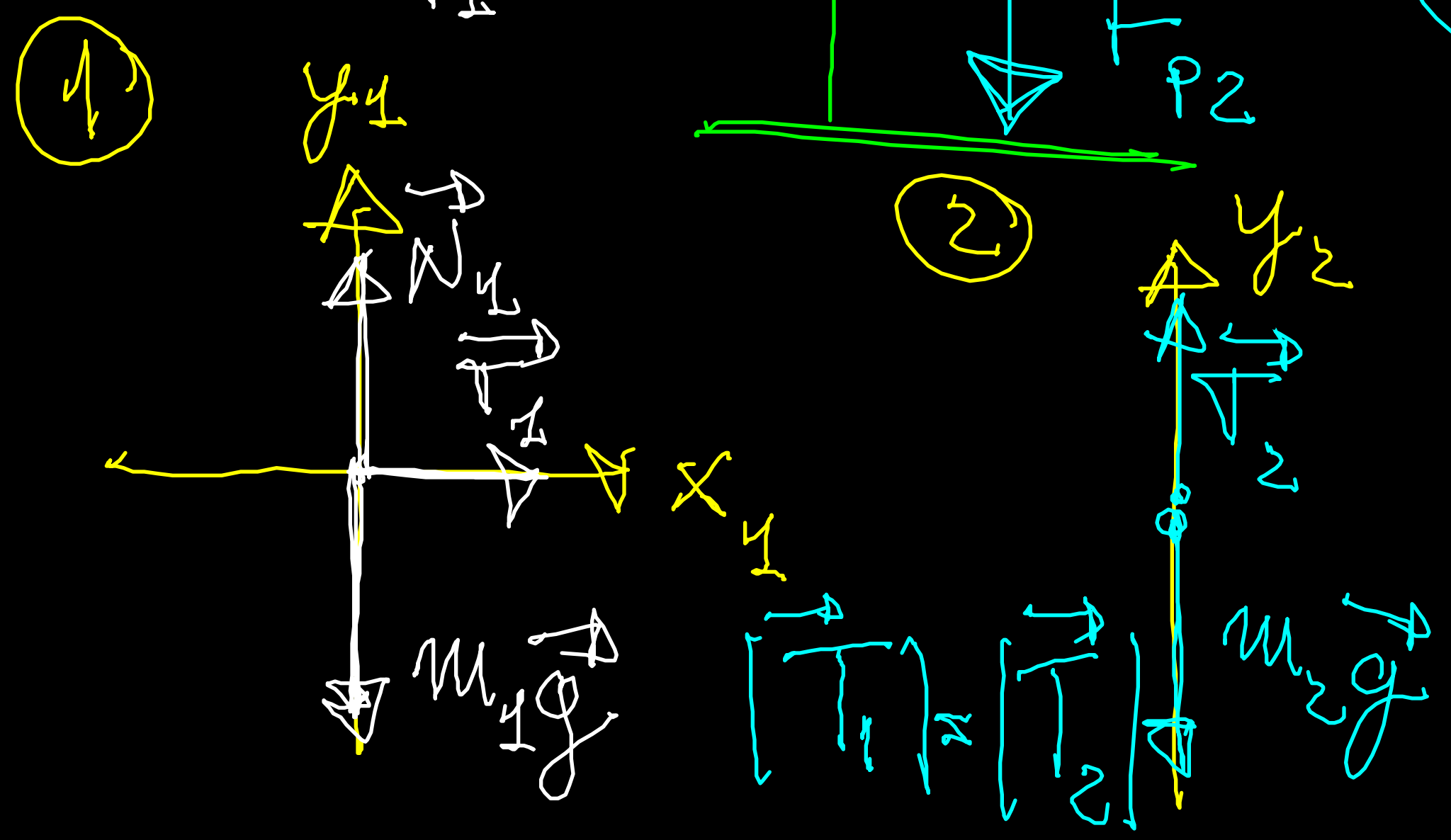
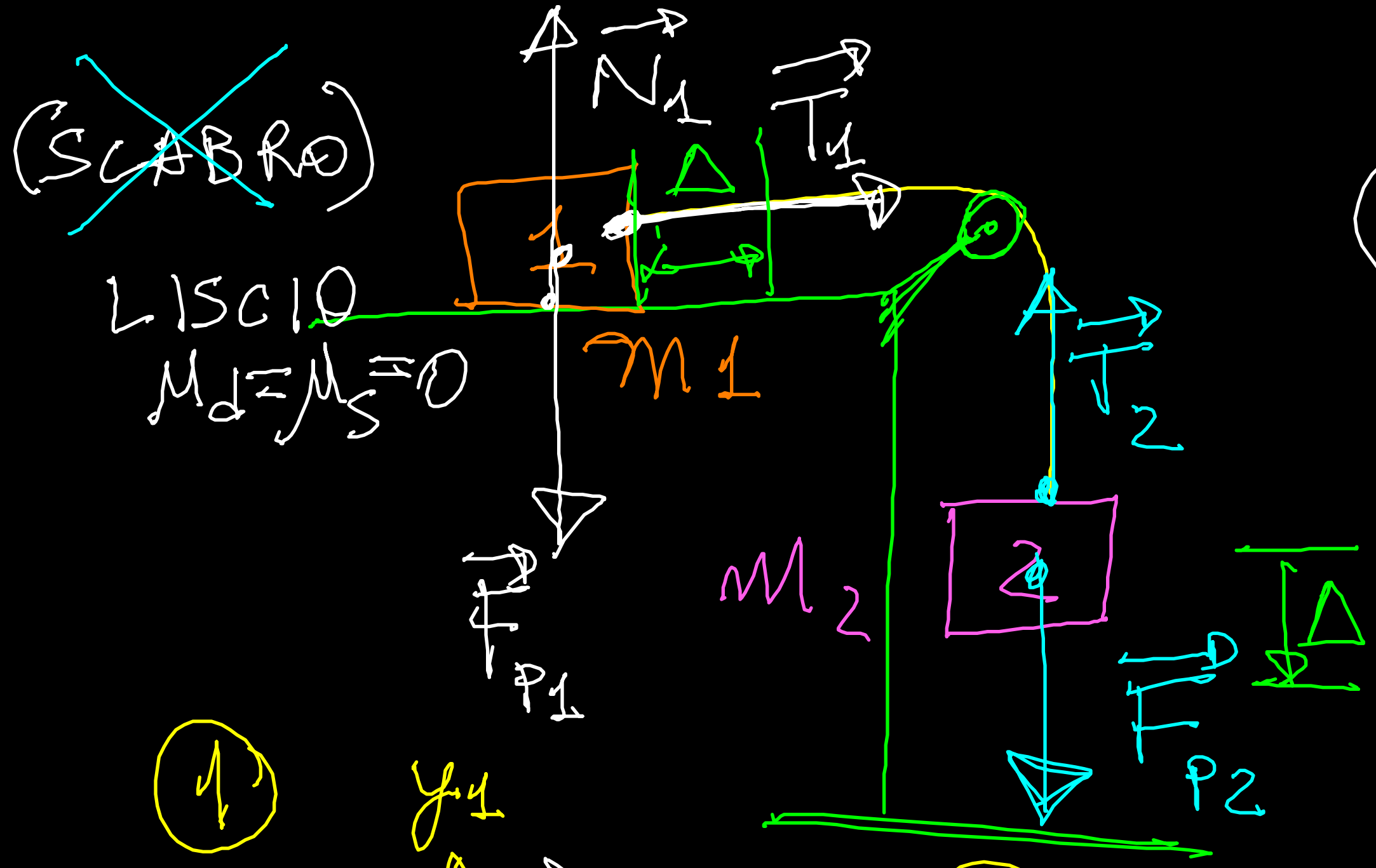


# TENSIONE



CORPO 1

$\textcircled{x_1} \quad T = m_1 a$   
 $\textcircled{y_1} \quad N_1 - m_1 g = 0$

$|T_1| = |T_2| = T$

$|\vec{a}_1| = |\vec{a}_2|$   
 $\parallel \parallel$   
 $0 < a = a_{1x} = a_{2y}$

CORPO 2

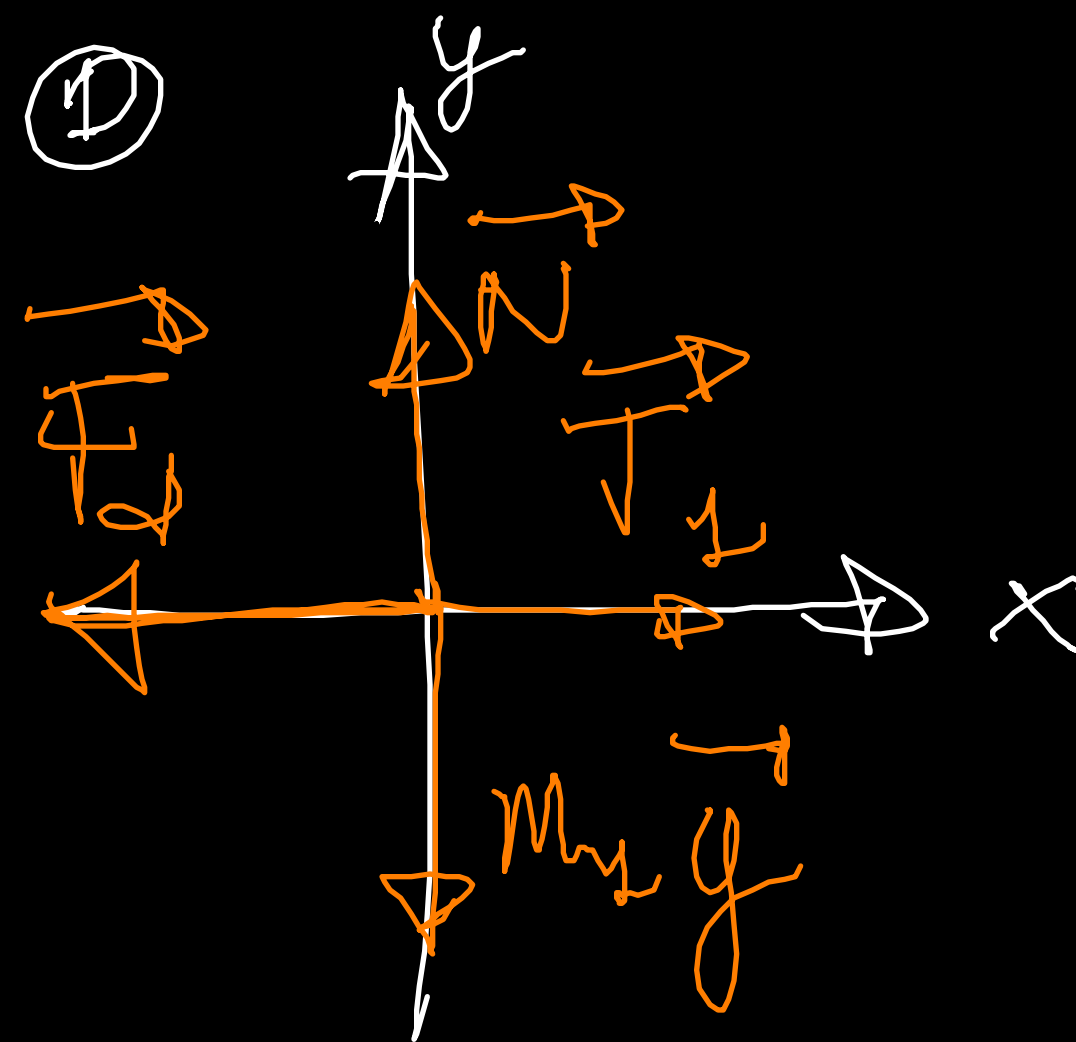
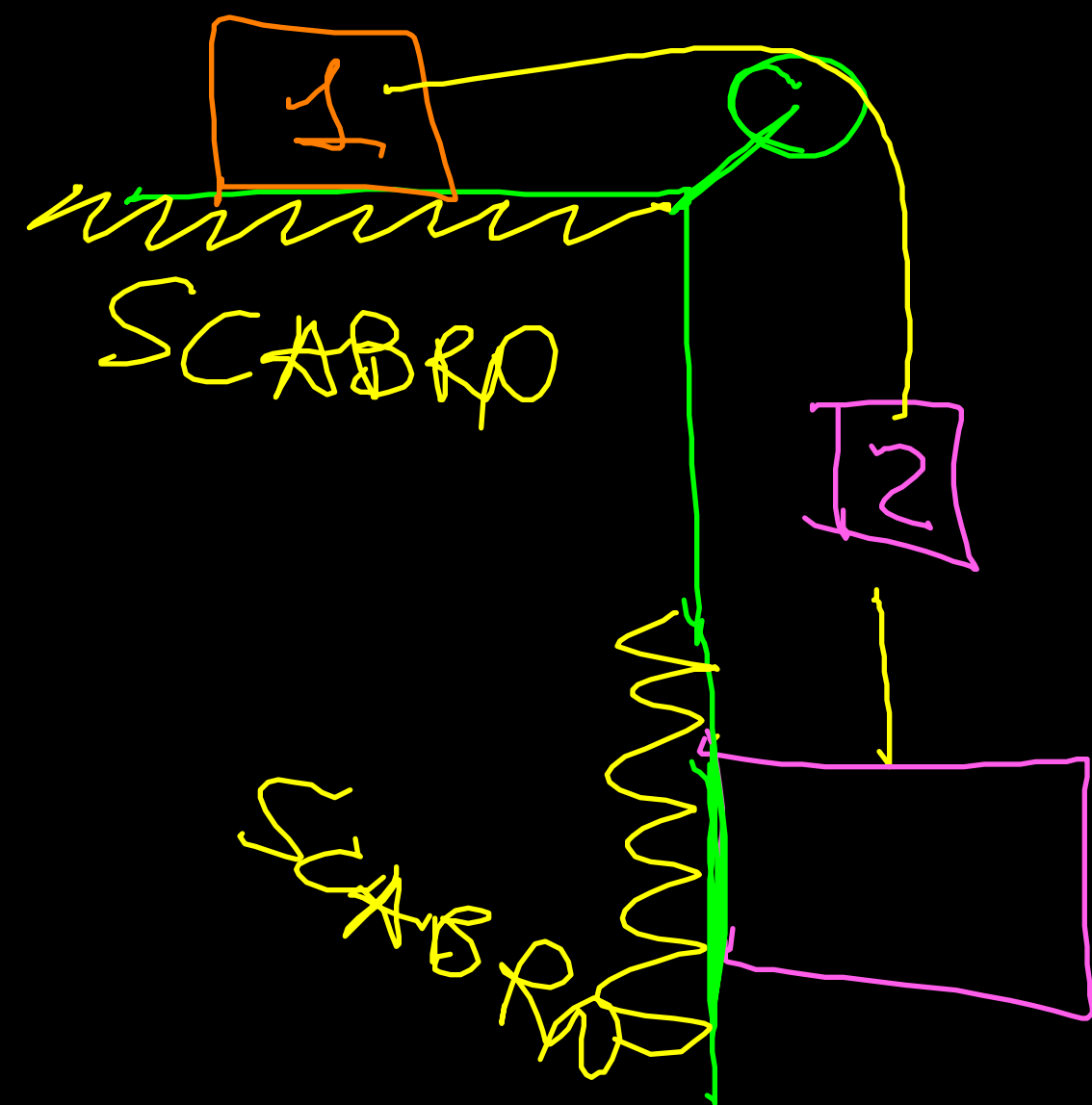
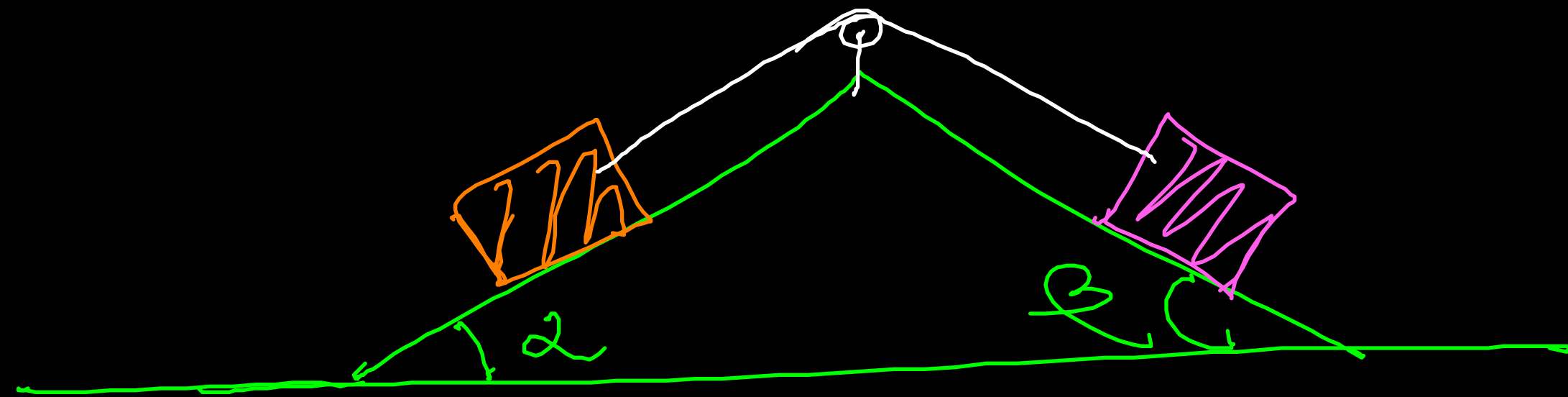
$\textcircled{y_2} \quad T - m_2 g = m_2 a$

$N_1 = m_1 g$

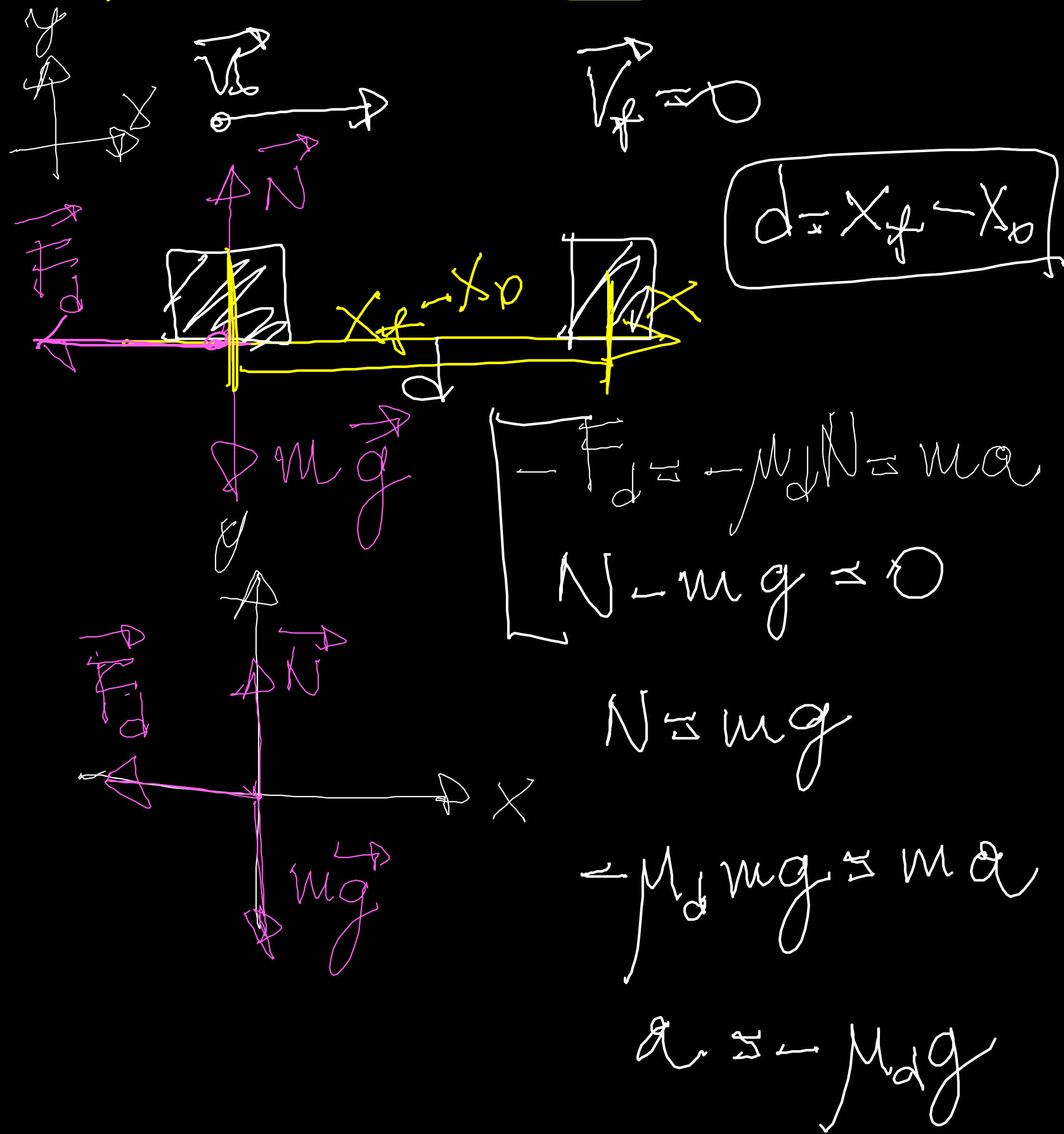
$\textcircled{x_1} = \textcircled{y_2} \quad T - T + m_2 g = (m_1 + m_2) a$

$a = \frac{m_2}{m_1 + m_2} g$        $T = \frac{m_1 m_2 g}{m_1 + m_2}$

VARIANT 1



# ATTRITO DINAMICO



$$v_f^2 - v_0^2 = 2a(x_f - x_0)$$

(b)  $t = 0$  (f)  $\rightarrow t_{arresto}$

$$-v_0^2 = -2\mu_d g d$$

$$d = \frac{v_0^2}{2\mu_d g}$$





