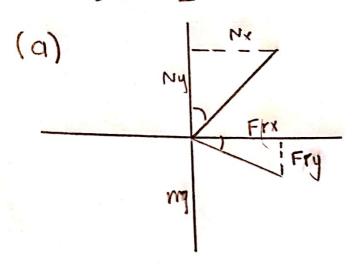
SAMUFL CHAMALÉ. 21881

PROBLEMA 1



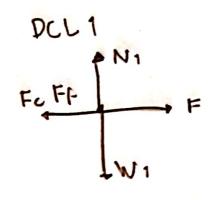
$$\Sigma FV = 0$$
 $Ny - Fyy - mq = 0$
 $Fr San \Theta = N(0) \Theta - mg$

SEX = MAC

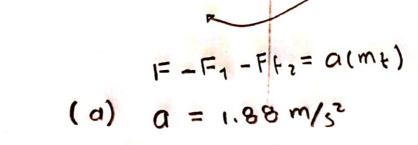
PROBLEMA 2

$$m_1 = 75 \text{ kg}$$

 $m_2 = 110 \text{ kg}$
 $N_0 = 0 \text{ m/s}$
 $T = 620$
 $M = 0.15$



$$\Sigma F_q = \emptyset$$
 $N = m_1 g$
 $\Sigma F_x = F - F_c - F_f = m_1 \cdot \alpha$

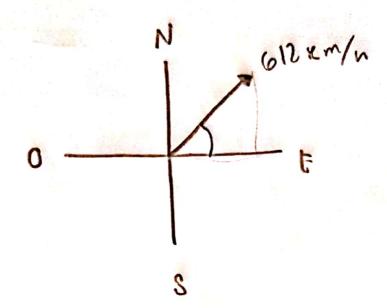


(b)
$$2x_2 = m_2 a$$

 $F_0 - F_{12} = m_1 a$
 $F_0 = m_2 a + F_{12} = 368N$

PCLZ

t-c- ffz = m2.a



Nay = 612 san 32° = 324. 31 km/n

EVy = 324.31 -93.5 = 230.8 km/n

Nat = 612 cas 32° = 519 km