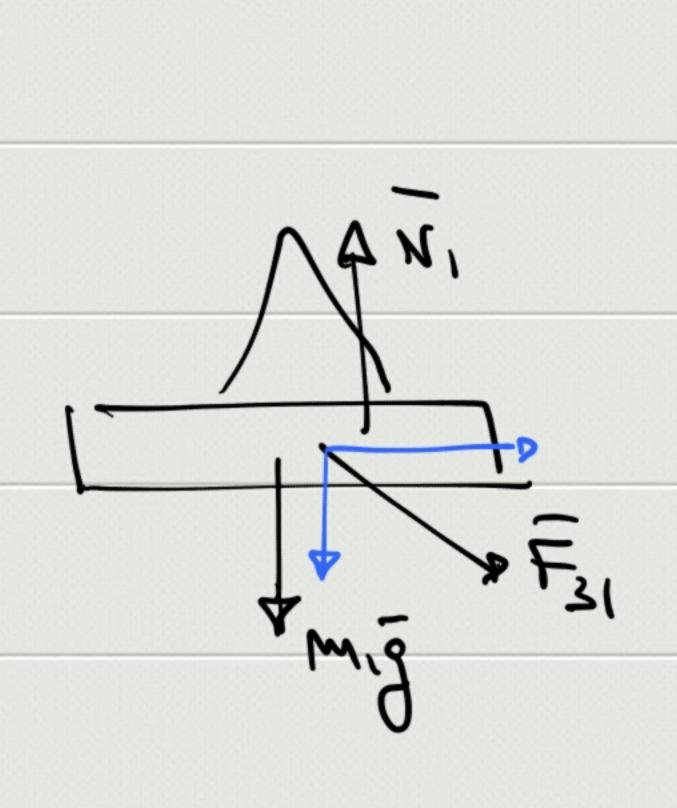
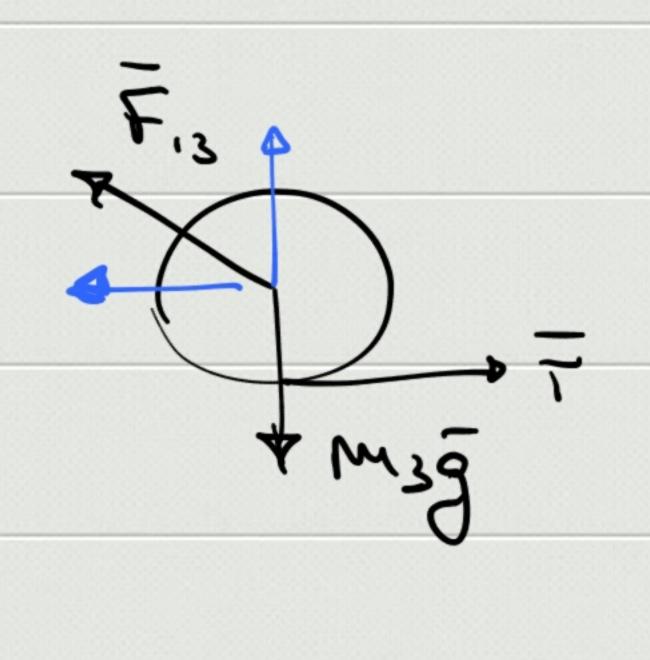
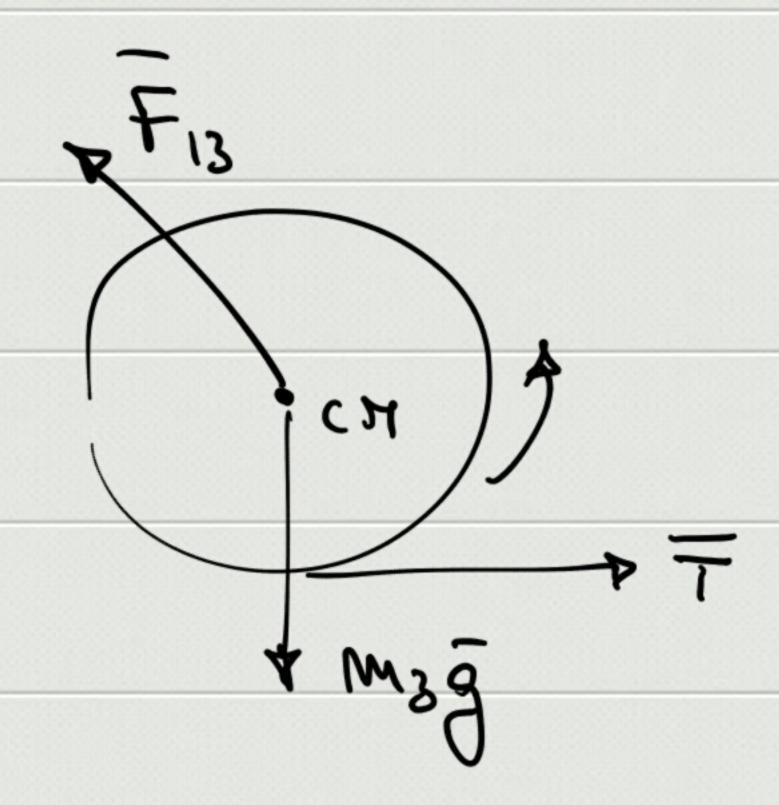
disco m, = 2.5 kg T = (m,+m3)213 7+F13+m3=m3913 T = (m,+ m3) (q,3+ xR) T = 1003 913 => T = (m,+ m3) Q13





RTIMPR=IX
RT-MPR=IX



$$Q_2 = Q_{13}$$

$$Q_2 = Q_{13}$$

$$Q_3 = Q_{13} + Q_1$$

$$Q_3 = Q_{13} + Q_1$$

$$q_{13}=0 \Rightarrow 2z=\alpha R_{y}$$

$$\alpha = 0 \Rightarrow 2z=\alpha 13$$

$$\int m_2 g - T = m_2 a_2$$

$$T = (m_1 + m_3) a_{13}$$

$$R = \frac{1}{2} m_3 R^2 \alpha$$

$$a_2 = a_{13} + \alpha R =$$

$$\Rightarrow m_2 g = T + \left(\frac{m_2}{m_1 + m_3} + \frac{2m_2}{m_3}\right) T$$

$$\Rightarrow T = \frac{m_2 g}{1 + \frac{m_2}{m_1 + m_3} + \frac{2m_2}{m_3}} = 4.5 \text{ N}$$

$$F_{13,2} = -2.5 N$$