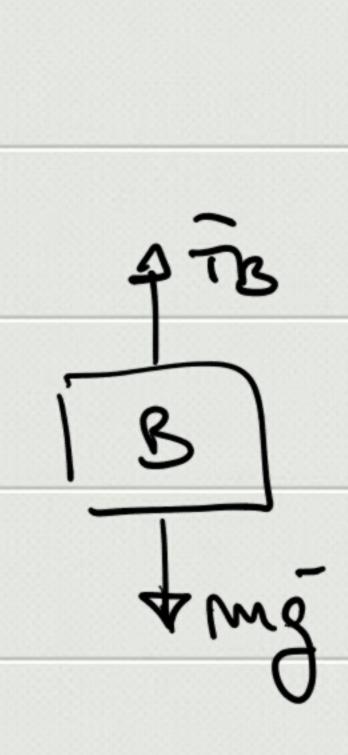
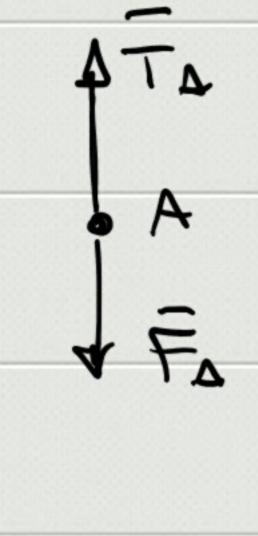


mg = m = 10kg

Fa=? stotico



TA PTA



Ma=me= 10 kg LD 2TA-TB = mcac = 0

mg-Tz=maa

$$QP = 2x + yR = 2x' + yR + Dx$$

$$\Rightarrow x - x' = \frac{1}{2}Dx \Rightarrow Dx_B = \frac{1}{2}Dx_A$$

$$\Rightarrow N_B = \frac{1}{2}N_A \Rightarrow Q_B = \frac{1}{2}Q_A$$

$$T_B - m_B = m_{AB}$$

$$2T_A - m_B = m_{AB}$$

$$\int T_{8} - mg = m \alpha_{8}$$

$$\int mg - T_{\Delta} = m \alpha_{\Delta}$$

$$\int mg - T_{\Delta} = m \alpha_{\Delta}$$

$$\int mg - T_{\Delta} = m \alpha_{\Delta}$$

$$\int mg = \frac{5}{2} m \alpha_{\Delta}$$

$$\Rightarrow \boxed{259}$$