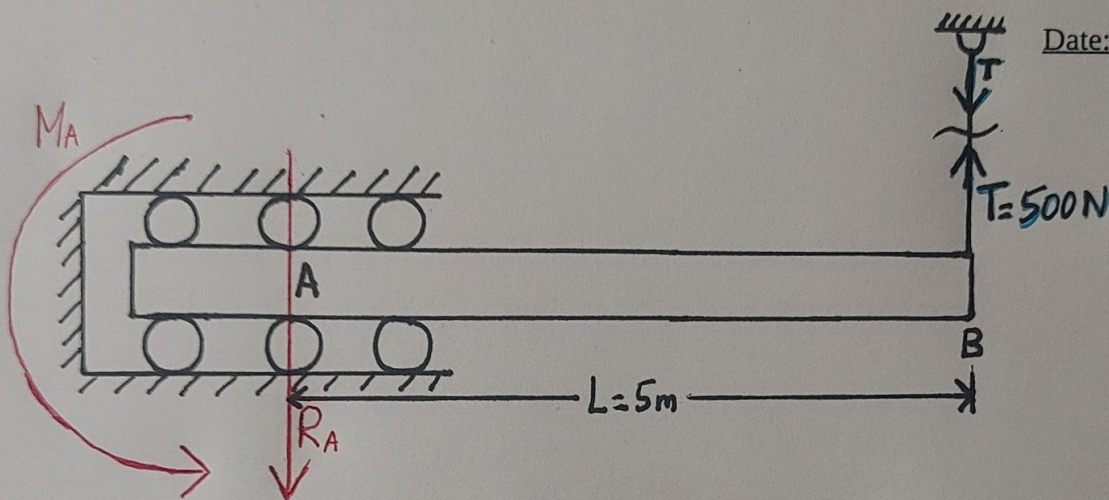


Date: 8th March 2024



$$+\uparrow \sum F_y = 0 \Rightarrow T - R_A = 0 \Rightarrow T = R_A = 500\text{N}$$

$$+\left(\sum M_A = 0 \Rightarrow M_A + (T)(5\text{m}) = 0\right.$$

$$M_A = (-T)(L) = (-500\text{N})(5\text{m})$$

$$= -2,500\text{ N}\cdot\text{m}$$

$$= -2.5\text{ kN}\cdot\text{m}$$

$$M_A = 2.5\text{ kN}\cdot\text{m}$$