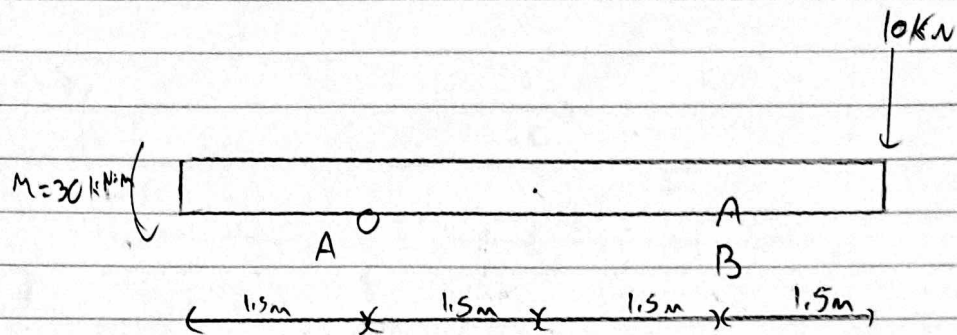


Soln trans: 21-5-7.2-MK-03



reaction forces

$$\sum M_A = 30 \text{ kNm} + B_y (3\text{m}) - (10 \text{ kN})(4.5\text{m})$$

$$B_y = \frac{(10 \text{ kN})(4.5\text{m}) - 30 \text{ kNm}}{3} = 5 \text{ kN} \uparrow$$

$$\sum M_B = 30 \text{ kNm} - A_y (3\text{m}) - (10 \text{ kN})(1.5\text{m})$$

$$A_y = \frac{30 \text{ kNm} - (10)(1.5)}{3\text{m}} = 5 \text{ kN} \uparrow$$

