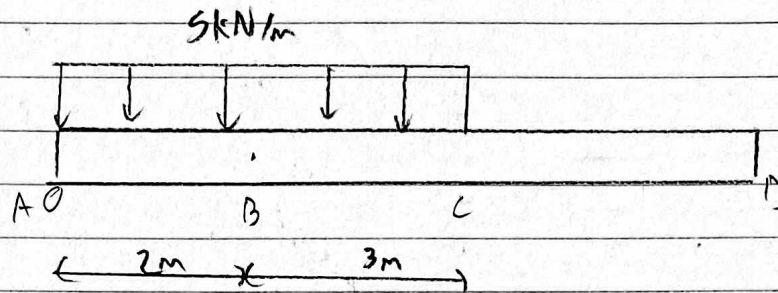


# Solutions 21-571-Mk-01



$$\sum M_C = (5 \text{ kN/m}) \left( 2+3 \right) \left( \frac{2+3}{2} \right) - A_y (2+3) \quad A_y = 12.5$$

$$\sum F_y = 12.5 - (5 \text{ kN/m} \times 2) + B_y \quad \Rightarrow B_y = 2.5 \text{ kN} \downarrow$$

$$\sum M_B = -(12.5)(2) + (5 \text{ kN/m})(2 \text{ m}) \left( \frac{2}{2} \right) + B_y$$

$$B_y = (12.5)(2) + (5 \text{ kN/m})(2) = (5 \text{ kNm})$$