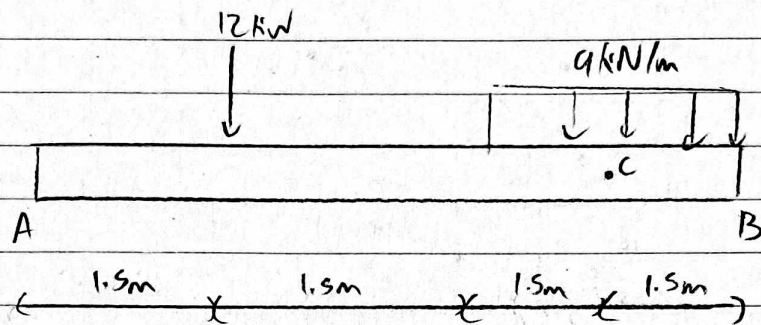


Solusi: 21-5-7.1-MK-02



$$force = (9 \text{ kN/m})(3\text{m}) = 27 \text{ N}$$

$$\sum M_B = -A_y(6\text{m}) + (12 \text{ kN})(4.5\text{m}) + (27 \text{ kN})(1.5\text{m})$$

$$A_y = \frac{(27 \text{ kN})(1.5\text{m}) + (12 \text{ kN})(4.5\text{m})}{6\text{m}} \Rightarrow A_y = 15.75 \text{ kN}$$

$$N_C = 0$$

$$\sum F_y = 0: 15.75 - 12 - (9 \text{ kN/m})(1.5\text{m}) + V_C$$

$$V_C = (9 \text{ kN/m})(1.5\text{m}) + 12 \text{ kN} - 15.75 \text{ kN} \Rightarrow V_C = 9.75 \text{ kN}$$

$$\sum M_C = 0: -(15.75)(4.5) + (12)(3) + (9)(1.5)(0.75) - M_C$$

$$M_C = 24.75 \text{ kNm}$$