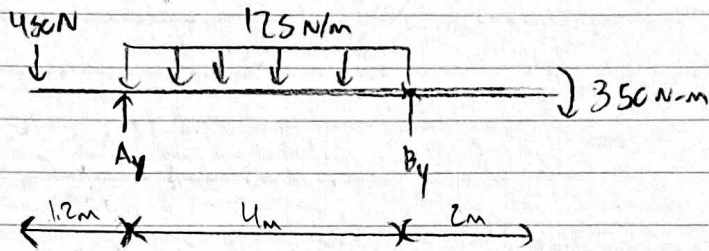


Solutions: 21-5-4,9-MK-02



$$\sum M_A = 0 = (450 \text{ N})(1.2 \text{ m}) - (125 \text{ N/m})(2 \text{ m})(4 \text{ m}) + B_y(4) - 350 \text{ N-m}$$

$$B_y = \frac{350 \text{ N-m} + (125 \text{ N/m})(2 \text{ m})(4 \text{ m}) - (450)(1.2 \text{ m})}{4 \text{ m}} \rightarrow B_y = 202.5 \text{ kN}$$

$$\sum F = 0 = -450 + 202.5 - (125)(4) + A_y \rightarrow A_y = 747.5 \text{ kN}$$