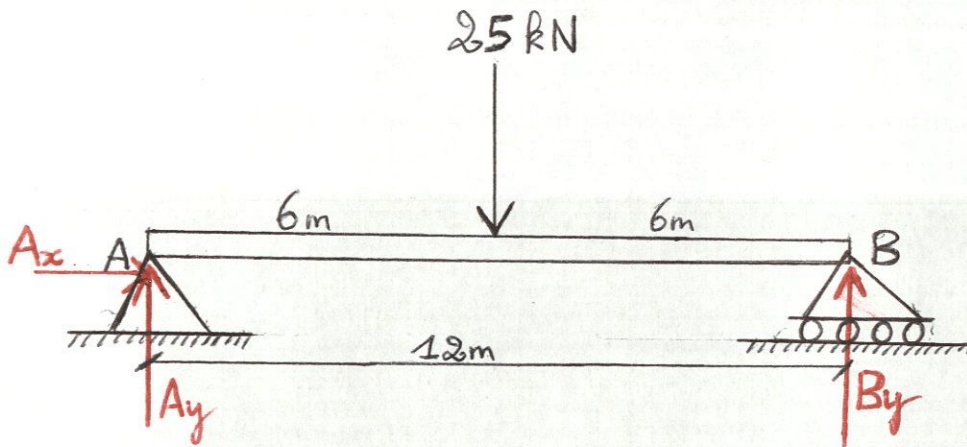


Finding Reactions Example 1

Date: 9th October 2018



$$+\circlearrowleft \sum M_A = 0 ;$$

$$(-25 \text{ kN})(6\text{m}) + (B_y)(12\text{m}) = 0$$

$$B_y = 12.5 \text{ kN}$$

$$\rightarrow \sum F_x = 0 ; A_x = 0$$

$$+\uparrow \sum F_y = 0 ;$$

$$A_y + B_y = 25 \text{ kN}$$

$$A_y = 25 \text{ kN} - B_y = 25 \text{ kN} - 12.5 \text{ kN} = 12.5 \text{ kN}$$