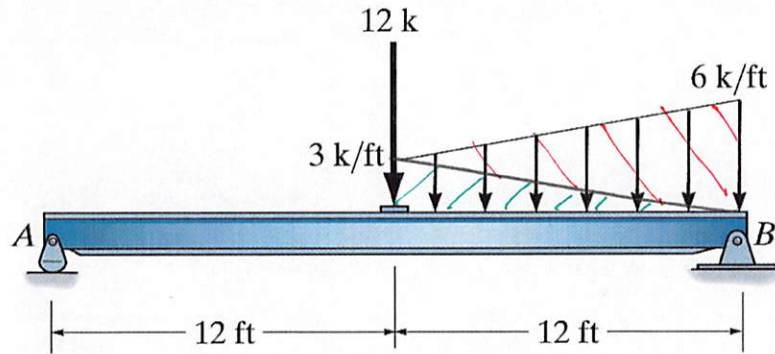


Example 2a-5: Find the reactions



$$F = \frac{1}{2} (12') 3 \text{ k/ft} = 18^{\text{k}}$$

$$F = \frac{1}{2} (12') 6 \text{ k/ft} = 36^{\text{k}}$$

$$\curvearrowleft \sum M_B = 0 = 36^{\text{k}}(4') + 18^{\text{k}}(8') + 12^{\text{k}}(12') - A_y(24')$$

$$\underline{\underline{A_y = 18^{\text{k}}}}$$

$$+\uparrow \sum F_y = 0 = A_y + B_y - 12^{\text{k}} - 18^{\text{k}} - 36^{\text{k}}$$

$$\underline{\underline{B_y = 48^{\text{k}}}}$$

$$+\rightarrow \sum F_x = 0 = B_x$$

