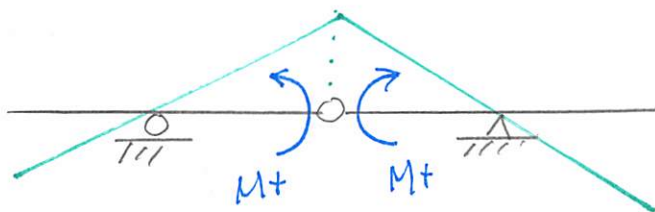
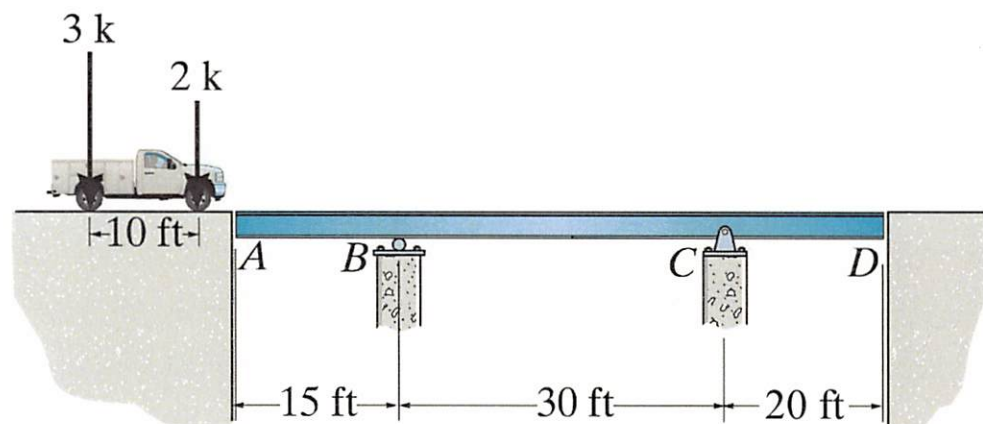


Example 6c-5: Determine the maximum moment created at mid-point BC span in the beam below due to the wheel loads of a moving truck.



$$\sum M_C = 0$$

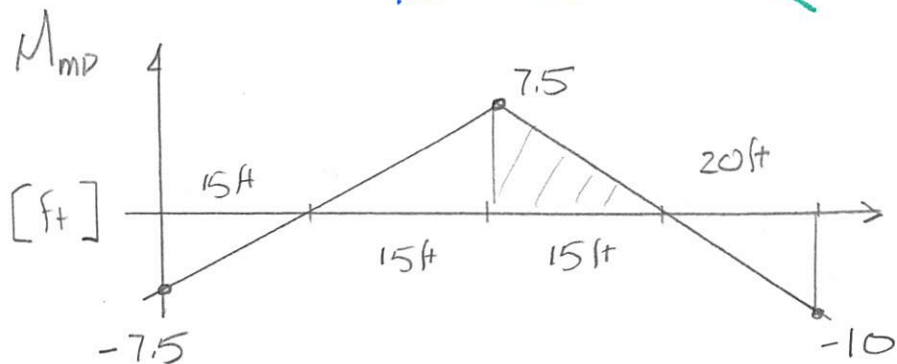
$$= 1(15\text{ ft}) - B_y(30\text{ ft})$$

$$B_y = \frac{1}{2}$$

$$\sum M_{\text{cut}} = 0$$

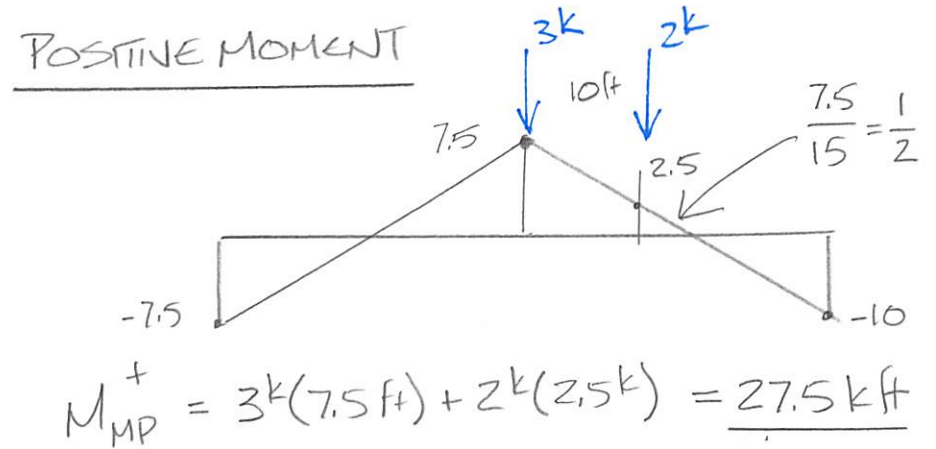
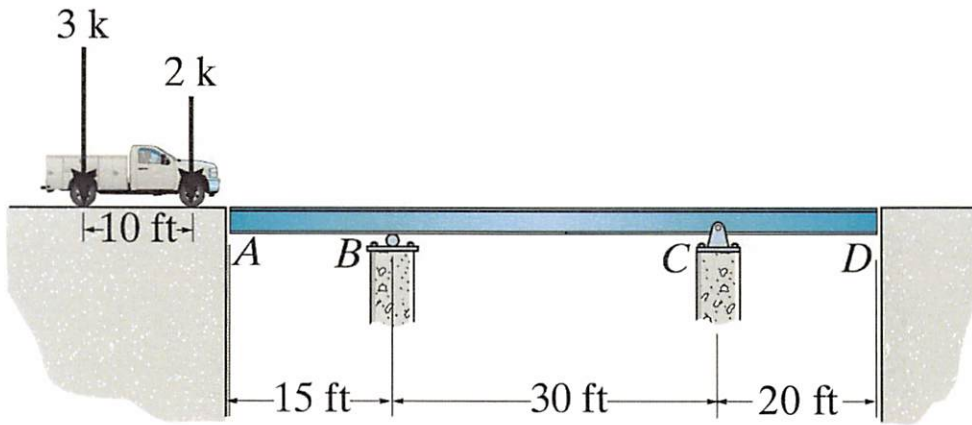
$$= M_{\text{MP}} - B_y(15\text{ ft})$$

$$M_{\text{MP}} = 7.5\text{ ft}$$



$$\frac{7.5\text{ ft}}{15\text{ ft}} = \frac{?}{20\text{ ft}}$$

Example 6c-5: Determine the maximum moment created at mid-point BC span in the beam below due to the wheel loads of a moving truck.



$$\underline{\underline{M_{MP}^{\text{MAX}} = -35 \text{ kft}}}$$

