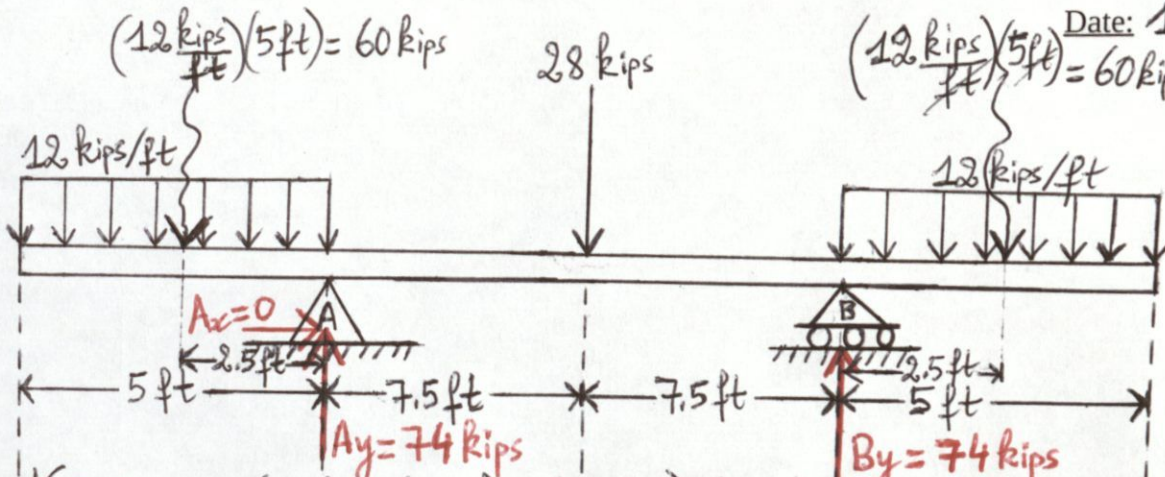


Date: 10th January 2020

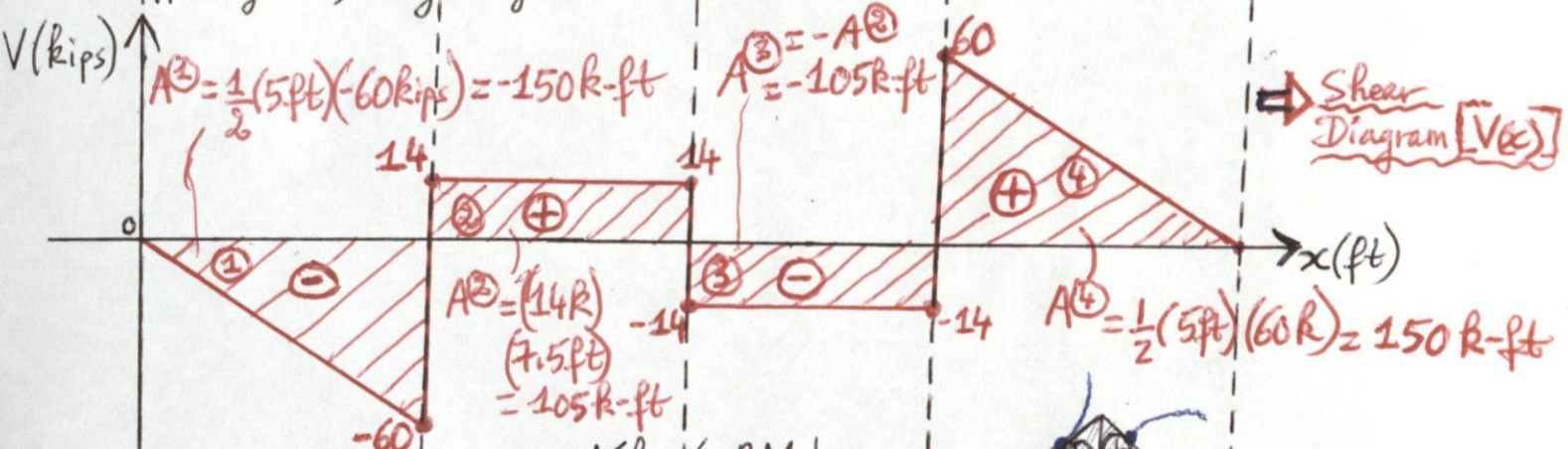


⇒ Leading Diagram $[W(x)]$

$\sum M_A = 0; (60 \text{ kips})(2.5 \text{ft}) + (-28 \text{ kips})(7.5 \text{ft}) + (B_y)(15 \text{ft}) + (-60 \text{ kips})(17.5 \text{ft}) = 0 \Rightarrow B_y = 74 \text{ kips}$

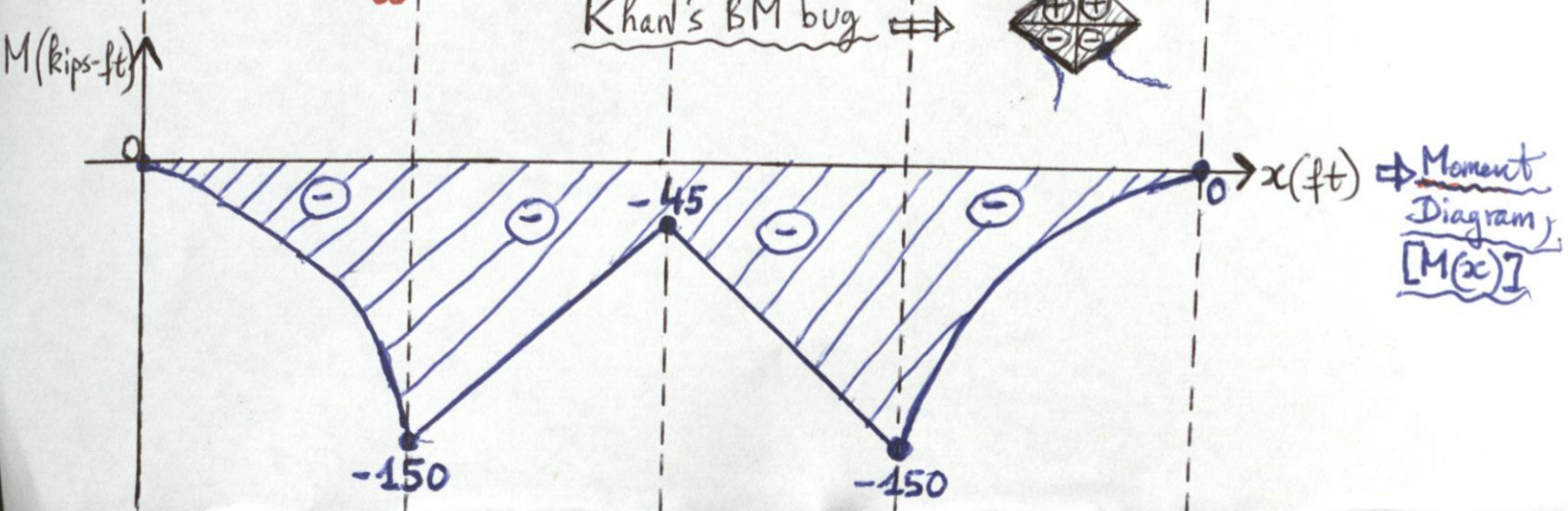
$\sum F_x = 0; A_x = 0$

$\sum F_y = 0; A_y + B_y = 60 + 28 + 60 \Rightarrow A_y = 148 - B_y = 74 \text{ kips}$



⇒ Shear Diagram $[V(x)]$

Khan's BM bug ⇒



⇒ Moment Diagram $[M(x)]$