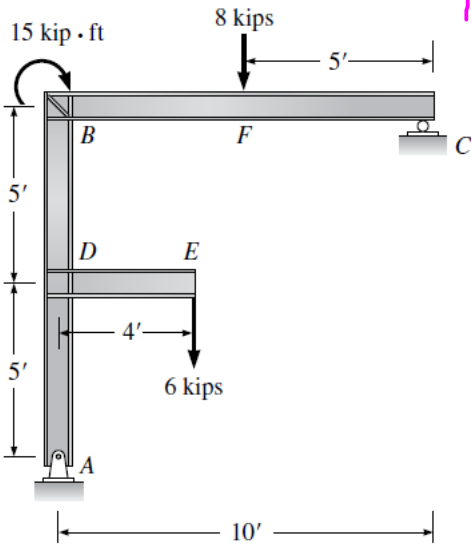


$$\Sigma F_y = 0 = R_{Ay} - 6$$

$$\therefore R_{Ay} = 6 \text{ K} \rightarrow$$

$$\Sigma M_{zA} = 8 \text{ K}(4) + (5)(4)(11) - R_B(13) = 0 \rightarrow R_B = 19.38 \text{ K} \uparrow$$

$$\Sigma F_y = R_{Ay} - 8 - 5(4) + 19.38 = 0 \rightarrow R_{Ay} = 8.62 \text{ K} \uparrow$$



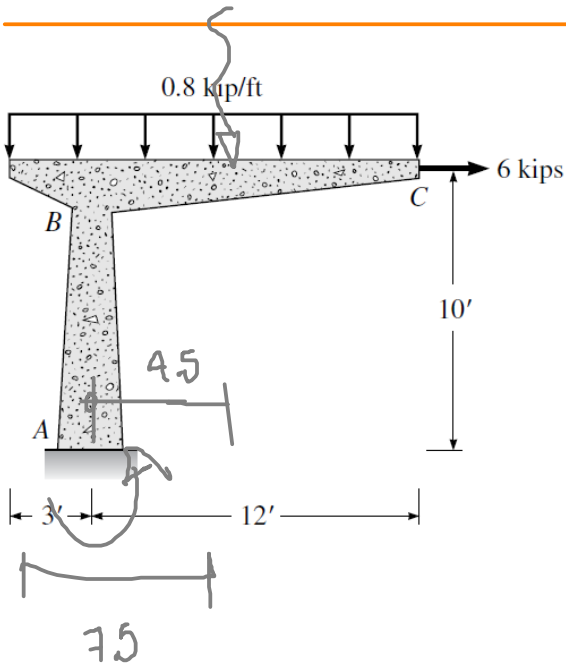
$$\Sigma M_A = 0 = 15 + 6(4) + 8(5) - R_C(10)$$

$$\rightarrow R_C = 7.9 \text{ K} \uparrow$$

$$\Sigma F_y = 0 = -6 - 8 + R_C + R_{Ay} = 0$$

$$\rightarrow R_{Ay} = 6.1 \text{ K} \uparrow$$

$$\Sigma F_x = 0 = R_{Ax} = 0 \text{ K}$$

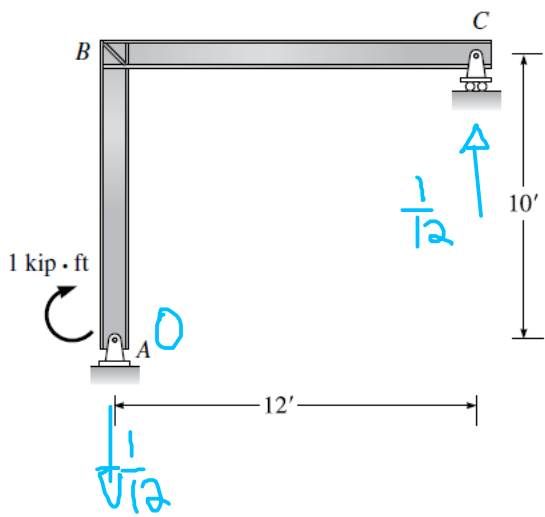


$$\Sigma F_x = 0 = 6 - R_{Ax} \rightarrow R_{Ax} = 6 \text{ K} \leftarrow$$

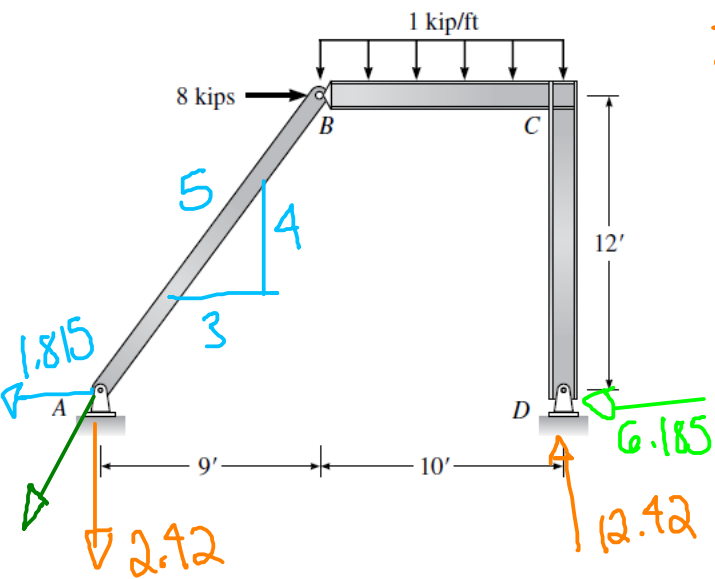
$$\Sigma M_{Az} = (0.8)(15)(7.5) + (6)(10) + M_A = 0 \rightarrow M_A = 114 \text{ Kft}$$

$$\Sigma F_y = R_{Ay} - 0.8(15) = 0$$

$$\rightarrow R_{Ay} = 12 \text{ K} \uparrow$$



$$\begin{aligned} \sum \bar{F}_x = 0 &\rightarrow R_{Ax} = 0 \\ \sum M_A = 1 - R_C(12) &= 0 \\ \hookrightarrow R_C &= \frac{1}{12} \uparrow \\ \sum \bar{F}_y = R_A - \frac{1}{12} &= 0 \\ \hookrightarrow R_A &= \frac{1}{12} \downarrow \end{aligned}$$



$$\begin{aligned} \sum M_A &= 8(12) + 1(10)(14) \\ &- R_{Dy}(19) = 0 \\ \hookrightarrow R_{Dy} &= 12.42 \text{ k} \uparrow \\ \sum F_y = R_{Ay} + 12.42 - (1)(10) &= 0 \\ \hookrightarrow R_{Ay} &= \underline{2.42} \downarrow \end{aligned}$$

$$\frac{4}{5} R_{A_{\text{incl}}} = 2.42$$

$$R_A = 3.025 \downarrow$$

$$\frac{3}{5} (3.025) = R_{Ax} = \underline{1.815} \text{ k} \leftarrow$$

$$\sum \bar{F}_x = 0 = -1.815 + 8 - R_{Dx} = 0$$

$$\hookrightarrow R_{Dx} = 6.185 \text{ k} \leftarrow$$