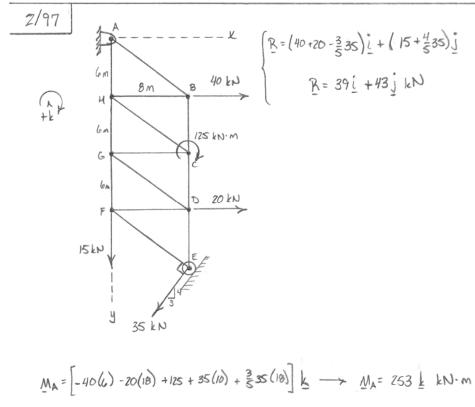
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$$M_{A} = \begin{bmatrix} -40(6) - 20(18) + 125 + 35(10) + \frac{2}{5}35(10) \end{bmatrix} \underbrace{k} \longrightarrow M_{A} = 263 \underbrace{k} \times N \cdot m$$

$$\begin{bmatrix} x & R = M_{A} \longrightarrow (x \underline{i} + y \underline{j}) \times (39 \underline{i} - 43 \underline{j}) = 253 \underbrace{k} \\ k : 43x - 39y = 253 \longrightarrow y = 1.103x - 6.49 (m)$$

$$\underbrace{V - Ax15:} \quad y = 0 = 1.103x - 6.49 \longrightarrow x = 5.88 \text{ m} \quad \text{so} \quad (5.88, 0) \text{ m}$$

$$\underbrace{y - Ax15:} \quad y = 0 \longrightarrow y = -6.49 \text{ m} \quad \text{so} \quad (0, -6.49) \text{ m}$$