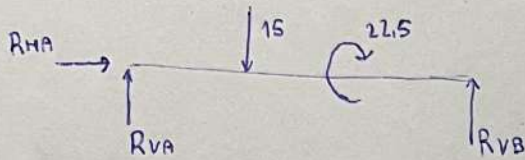
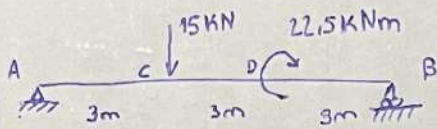


Encuentra los diagramas N, V y M



$$\begin{cases} \sum F_H = 0 \\ \sum F_v = 0 \\ \sum M_A = 0 \end{cases}$$

$$R_{HA} = 0$$

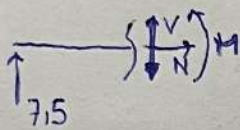
$$R_{vA} - 15 + R_{vB} = 0$$

$$R_{vB} \cdot 9 - 22.5 - 15 \cdot 3 = 0$$

$$R_{vA} = 7.5 \text{ kN}$$

$$R_{vB} = 7.5 \text{ kN}$$

Tramo AC (0,3)

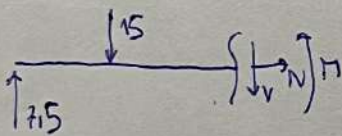


$$N = 0$$

$$V = 7.5 \text{ kN}$$

$$M = 7.5x \quad \begin{matrix} \nearrow 0 \\ \searrow 22.5 \text{ kNm} \end{matrix}$$

Tramo CD (3,6)

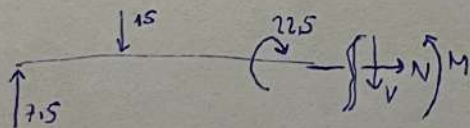


$$N = 0$$

$$V = -7.5 \text{ kN}$$

$$M = 7.5x - 15(x-3) \quad \begin{matrix} \nearrow 0 \\ \searrow 22.5 \text{ kNm} \end{matrix}$$

Tramo DB (6,9)



$$N = 0$$

$$V = -7.5 \text{ kN}$$

$$M = 7.5 \cdot x - 15(x-3) + 22.5 \quad \begin{matrix} \nearrow 22.5 \\ \searrow 0 \end{matrix}$$

- Diagramas

