

Mahr

$$F_{1x} = F_1 \cdot \cos(70) = 2394 \text{ kN}$$

$$F_{1z} = F_1 \cdot \sin(70) = 6578 \text{ kN}$$

$$\sum F_{ix} = 0;$$

$$-F_{1x} + R_{bx} = 0$$

$$R_{bx} = F_{1x}$$

$$\underline{R_{bx} = 2394 \text{ kN}}$$

$$\sum F_{iz} = 0;$$

$$F_{1z} - R_{az} + F_2 - R_{bz} = 0$$

$$R_{az} + R_{bz} = 6578 + 20$$

$$\underline{R_{az} + R_{bz} = 26578 \text{ kN} \checkmark}$$

$$\textcircled{1} \sum M_{ia} = 0;$$

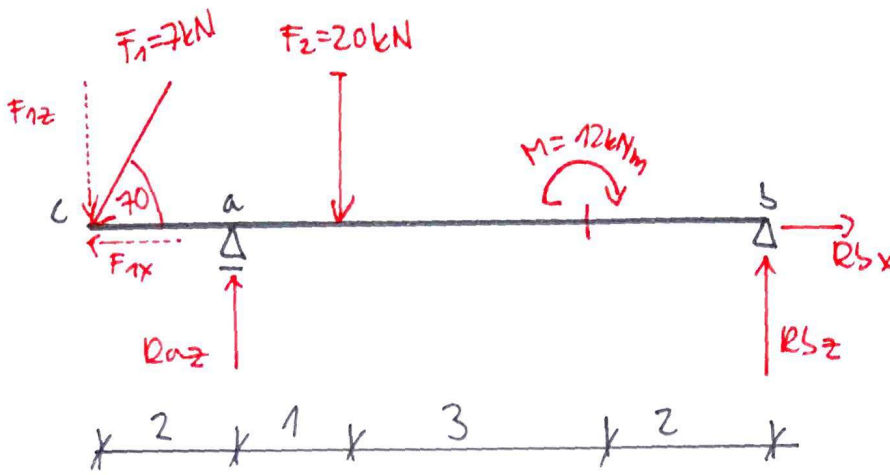
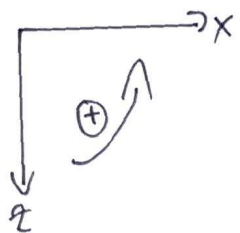
$$R_{bz} \cdot 6 - 12 - 20 \cdot 1 + 6578 \cdot 2 = 0$$

$$\underline{R_{bz} = 3141 \text{ kN}}$$

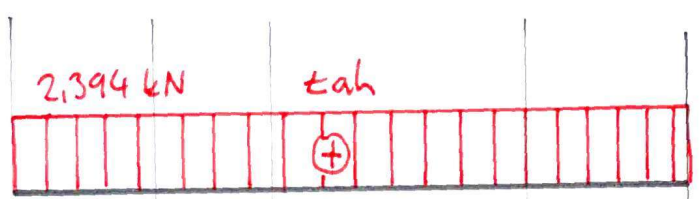
$$\textcircled{2} \sum M_{ib} = 0;$$

$$6578 \cdot 8 - R_{az} \cdot 6 + 20 \cdot 5 - 12 = 0$$

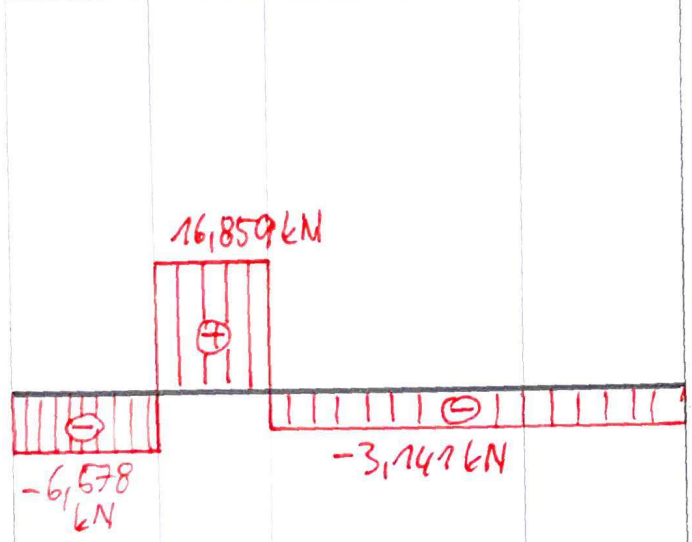
$$\underline{R_{az} = 23437 \text{ kN}}$$



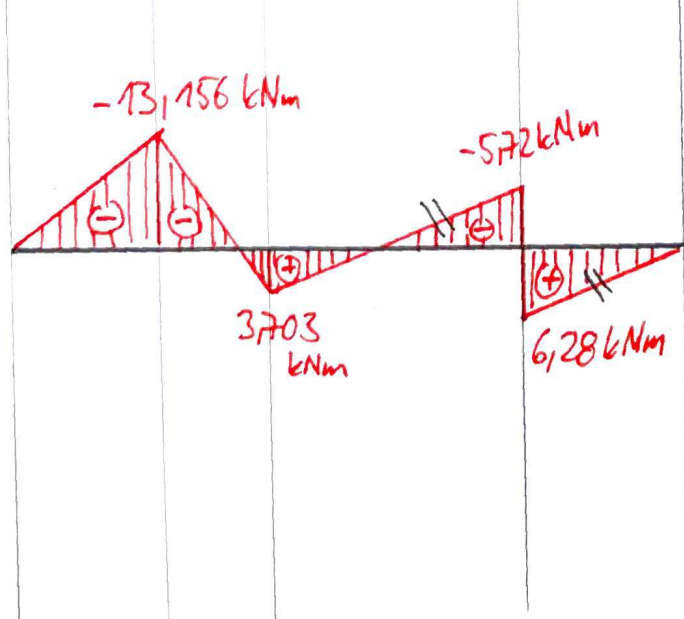
[m]



(N)
← ⊕ →



(V) ↑ ⊕ ↓



(M)
↺ ⊕ ↻