

$$L = \sqrt{6^2 + 6^2} = 8.485 \text{ m}$$

$$q_L = 2 \text{ kN/m}$$

$$q = 1.414 \text{ kN/m}$$

$$h = 1.414 \text{ kN/m}$$

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

$$R_{ax} = 4 \text{ kN} (\leftarrow)$$

$$\sum M_{ia} = 0 \quad (\curvearrowright)$$

$$-F_2 \cdot 4 - F_1 \cdot 4 - q_P \cdot 6 \cdot 9 + R_{b2} \cdot 12 = 0$$

$$R_{b2} = 17.394 \text{ kN} (\uparrow)$$

$$\sum M_{ib} = 0 \quad (\curvearrowright)$$

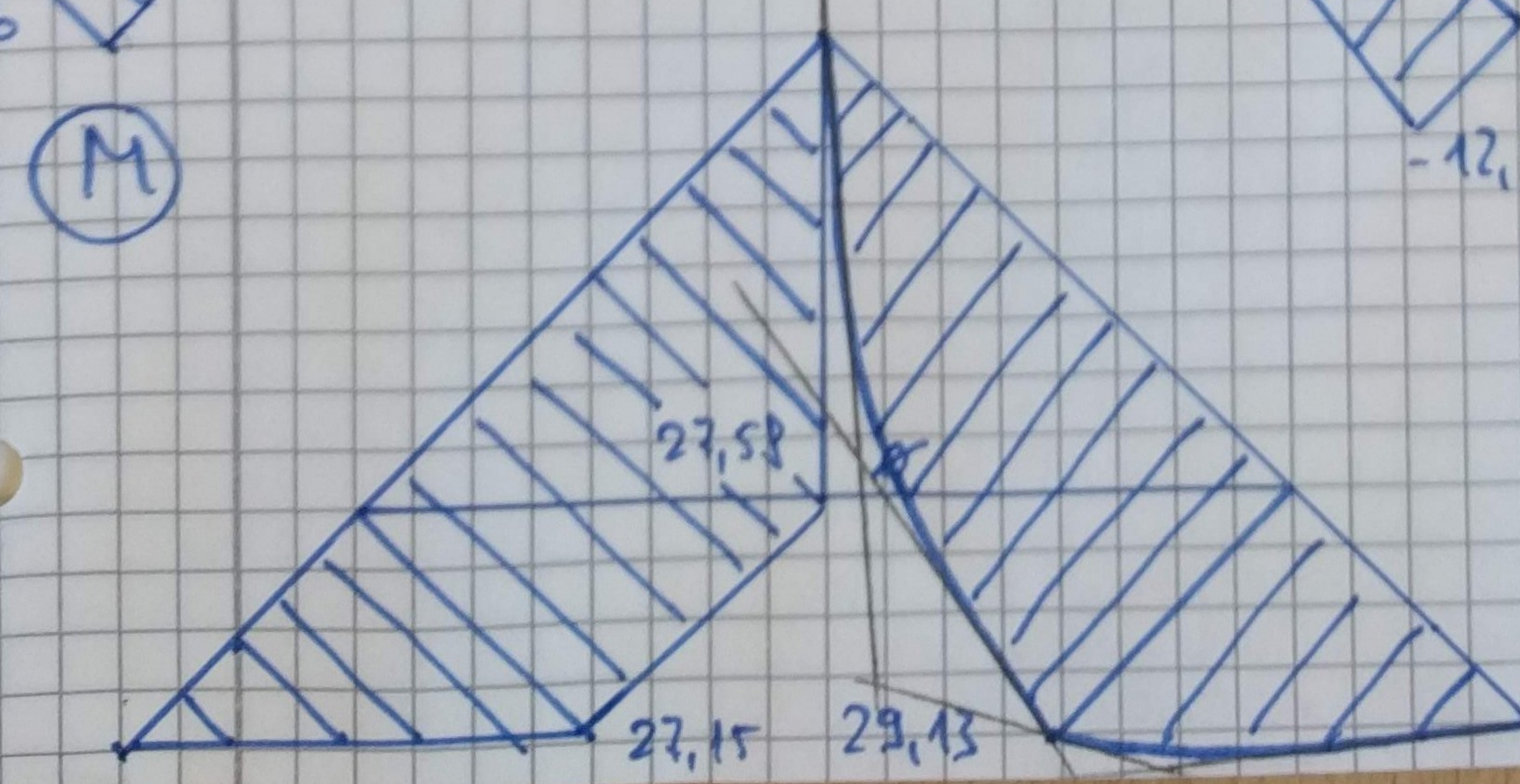
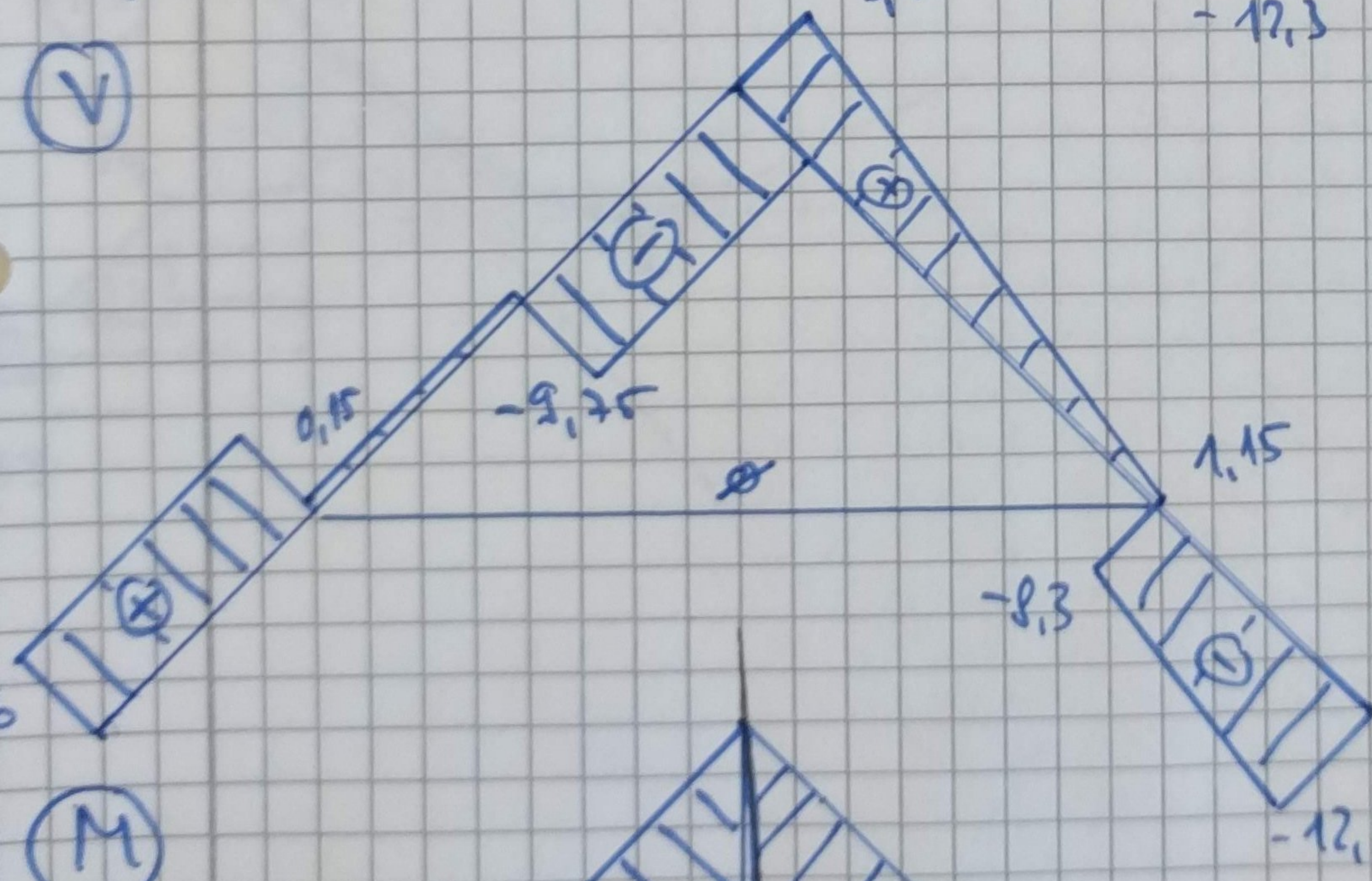
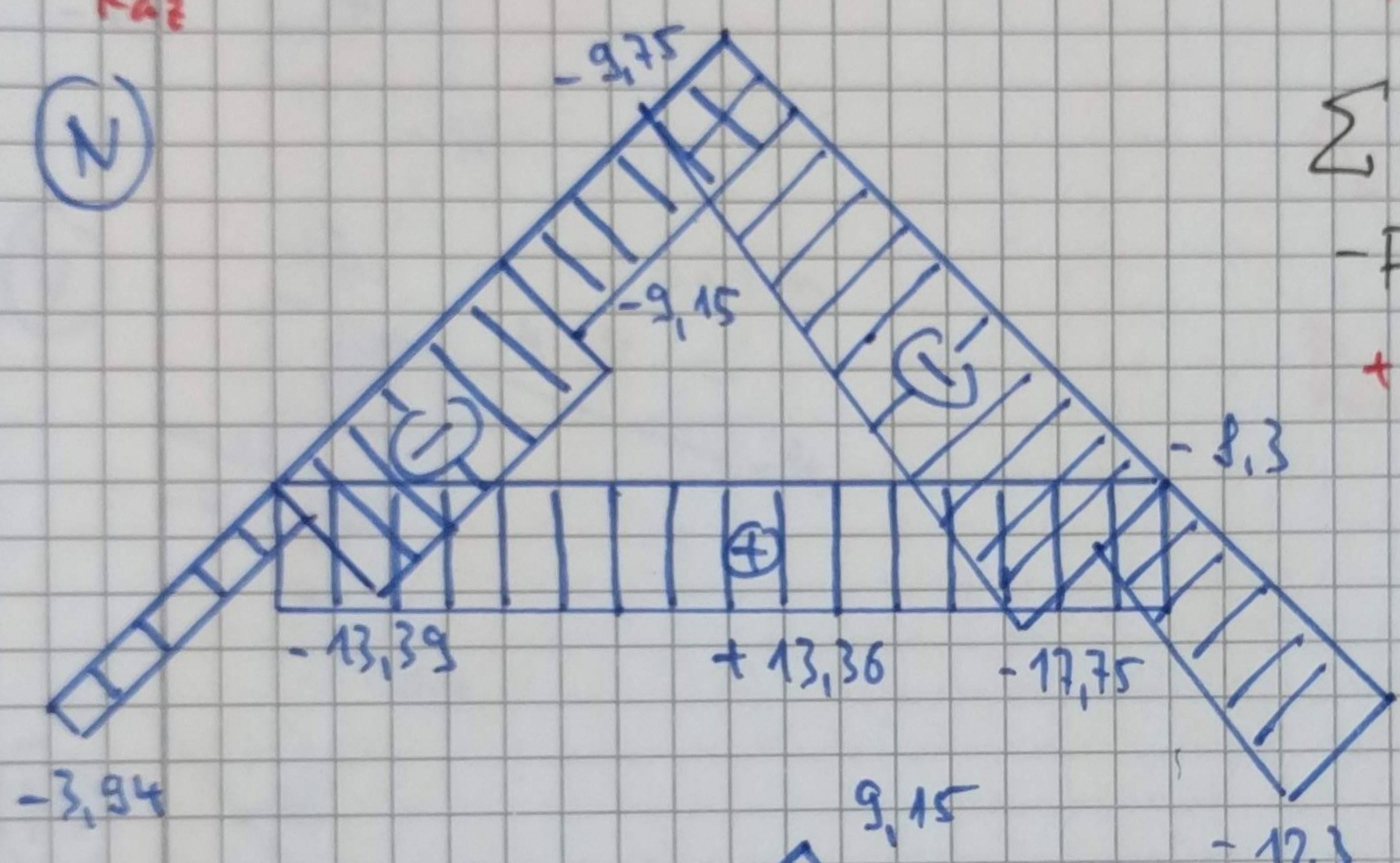
$$q_P \cdot 6 \cdot 3 + F_1 \cdot 8 - F_2 \cdot 4 - R_{ax} \cdot 12 = 0$$

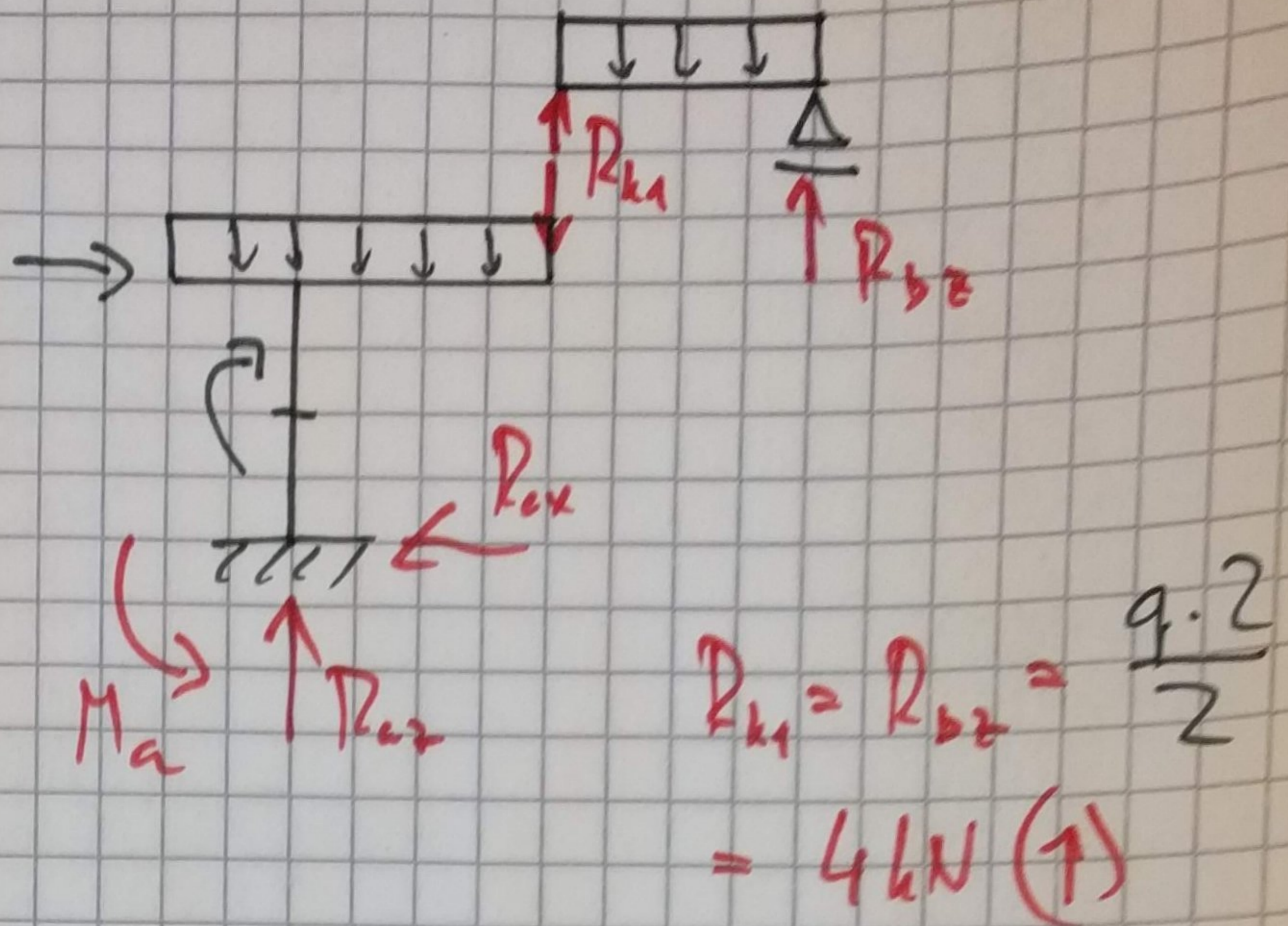
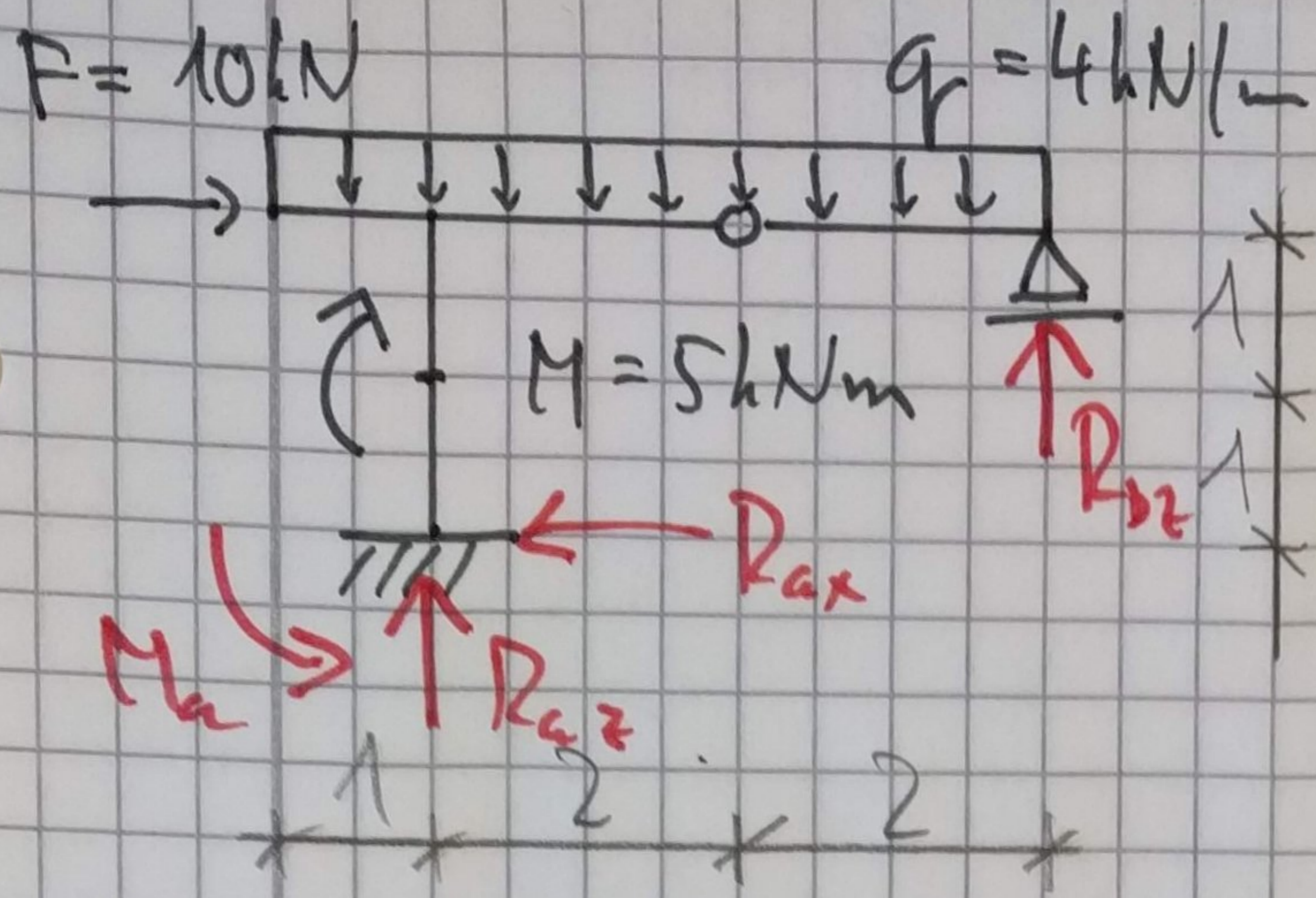
$$R_{ax} = 9.576 \text{ kN} (\uparrow)$$

$$\sum M_{ie}^R = 0 \quad (\curvearrowright)$$

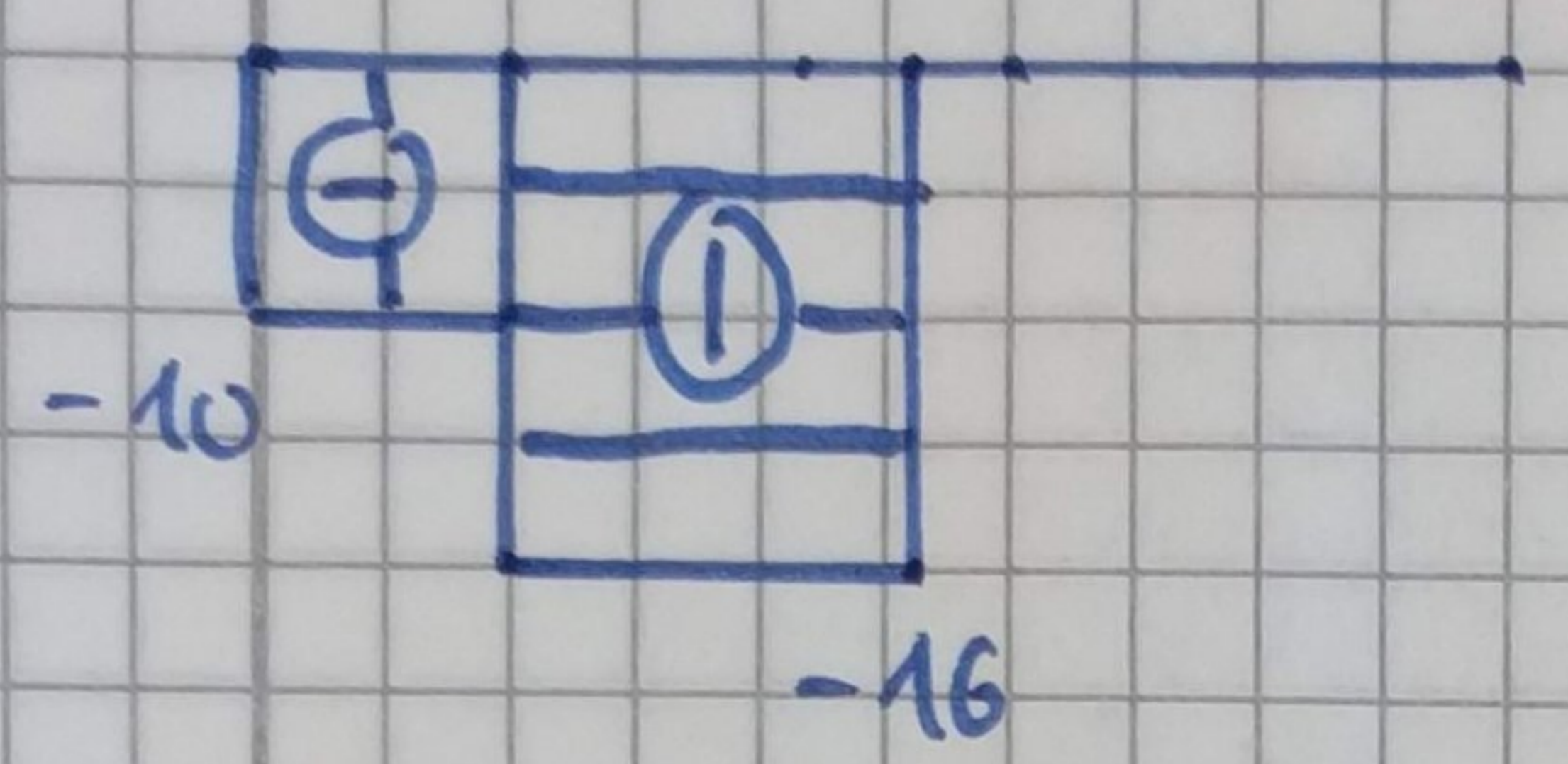
$$R_{b2} \cdot 6 - N_t \cdot 4 - q_P \cdot 6 \cdot 3 = 0$$

$$N_t = 13.364 \text{ kN}$$



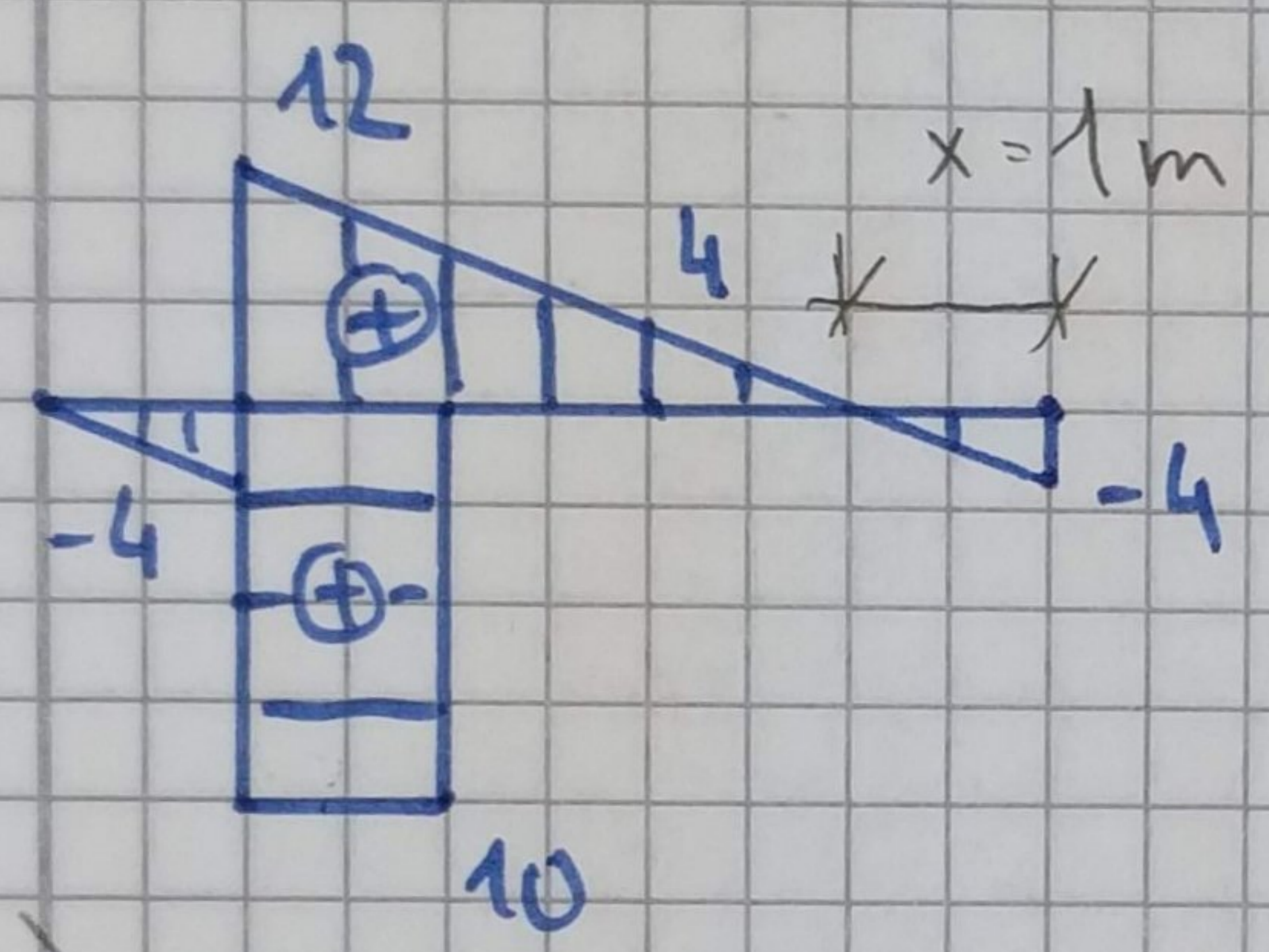


(N)



$R_{az} = 16 \text{ kN (↑)}$
 $= q \cdot 3 + R_{bx}$

(V)



$M_a = q \cdot 3 \cdot 0,5 + R_{bx} \cdot 2 + M$
 $= 39 \text{ kNm (↪)}$

$R_{ax} = 10 \text{ kN (↵)}$

(M)

