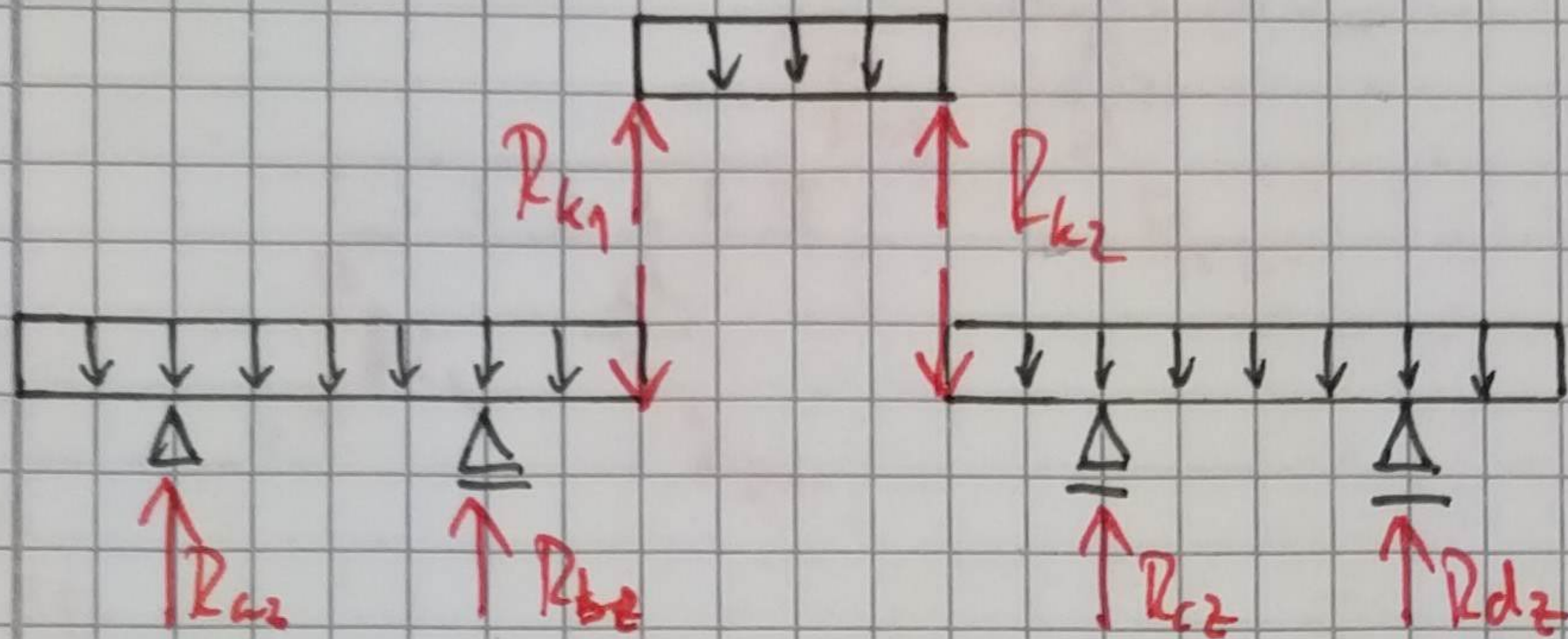
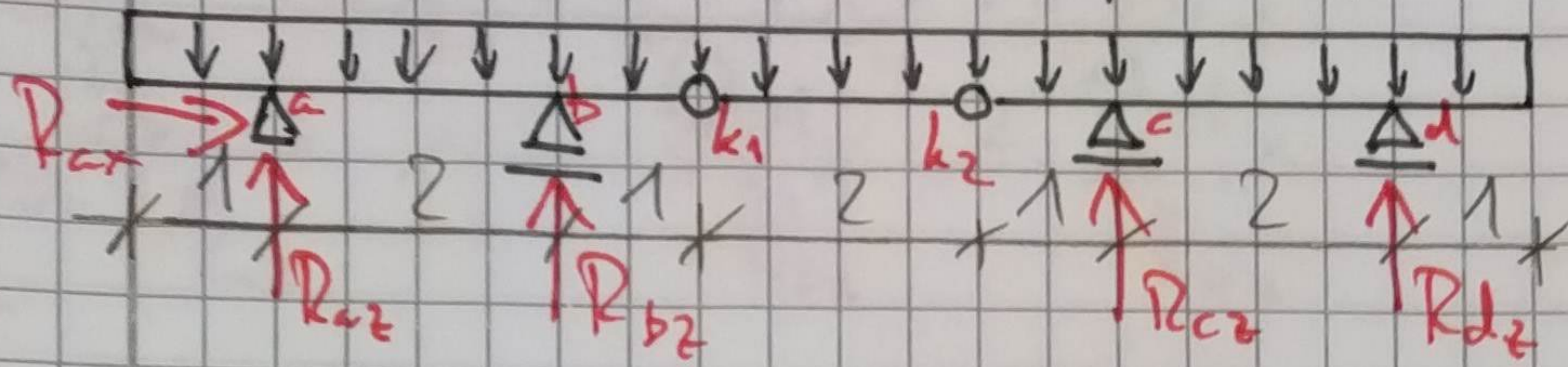


# GERBERŮV NOSNÍK

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

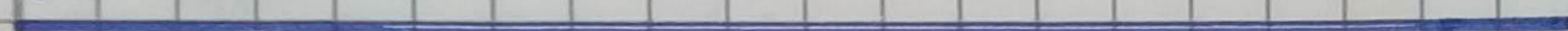


$R_{k1} = R_{k2} = 2 \text{ kN}$

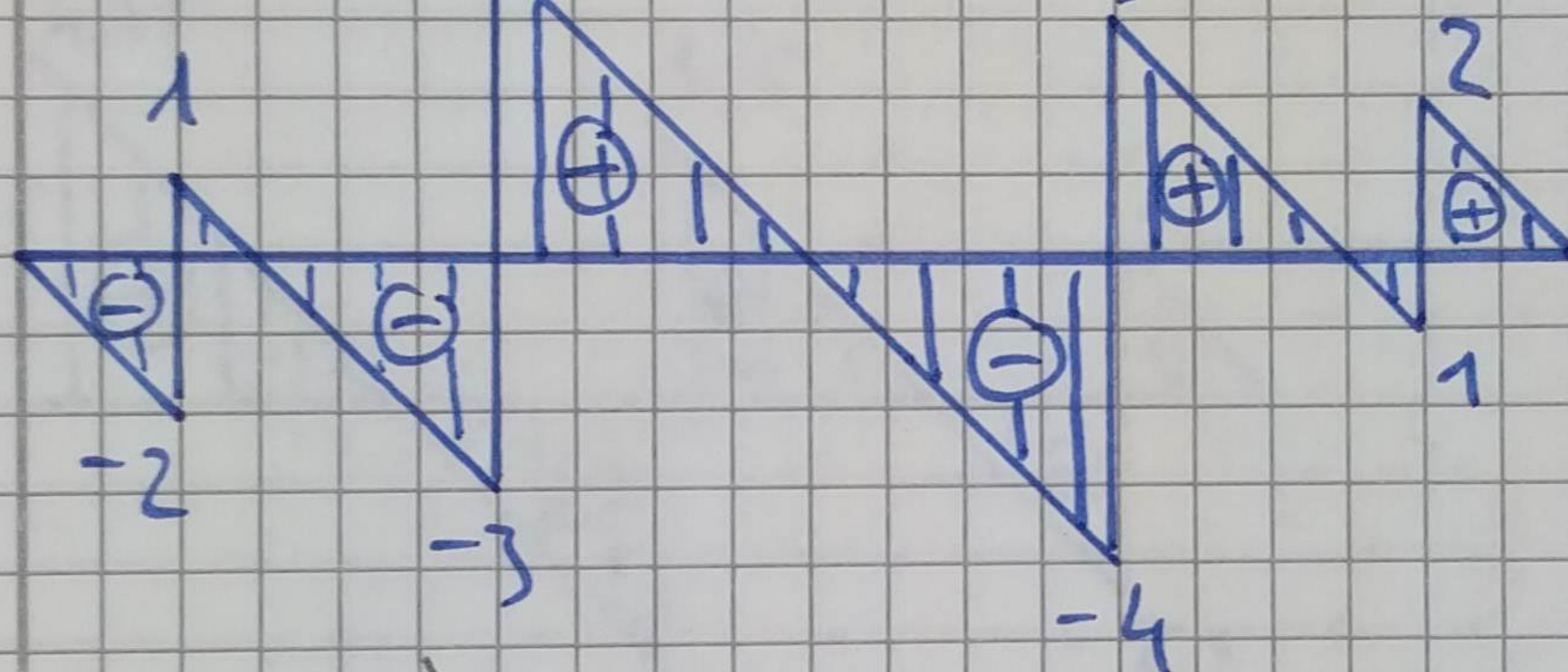
$R_{az} = R_{dz} = 3 \text{ kN}$

$R_{bz} = R_{cz} = 7 \text{ kN}$

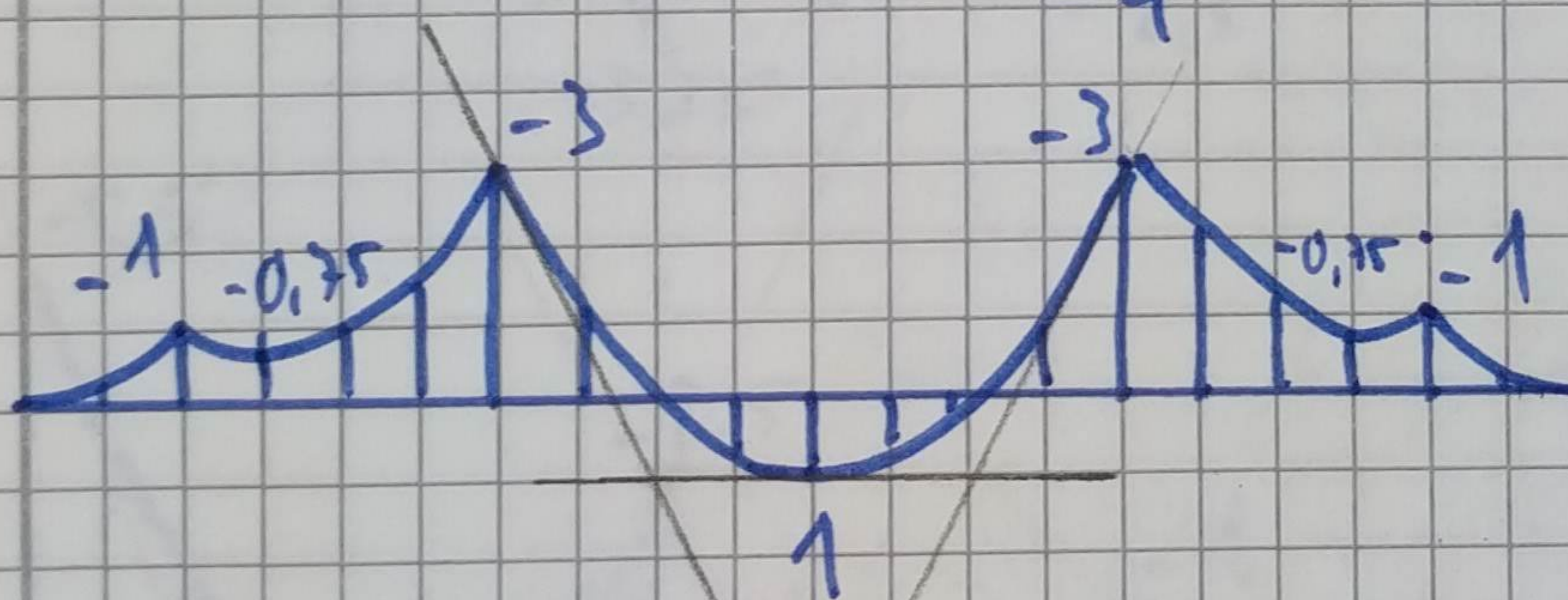
(N)



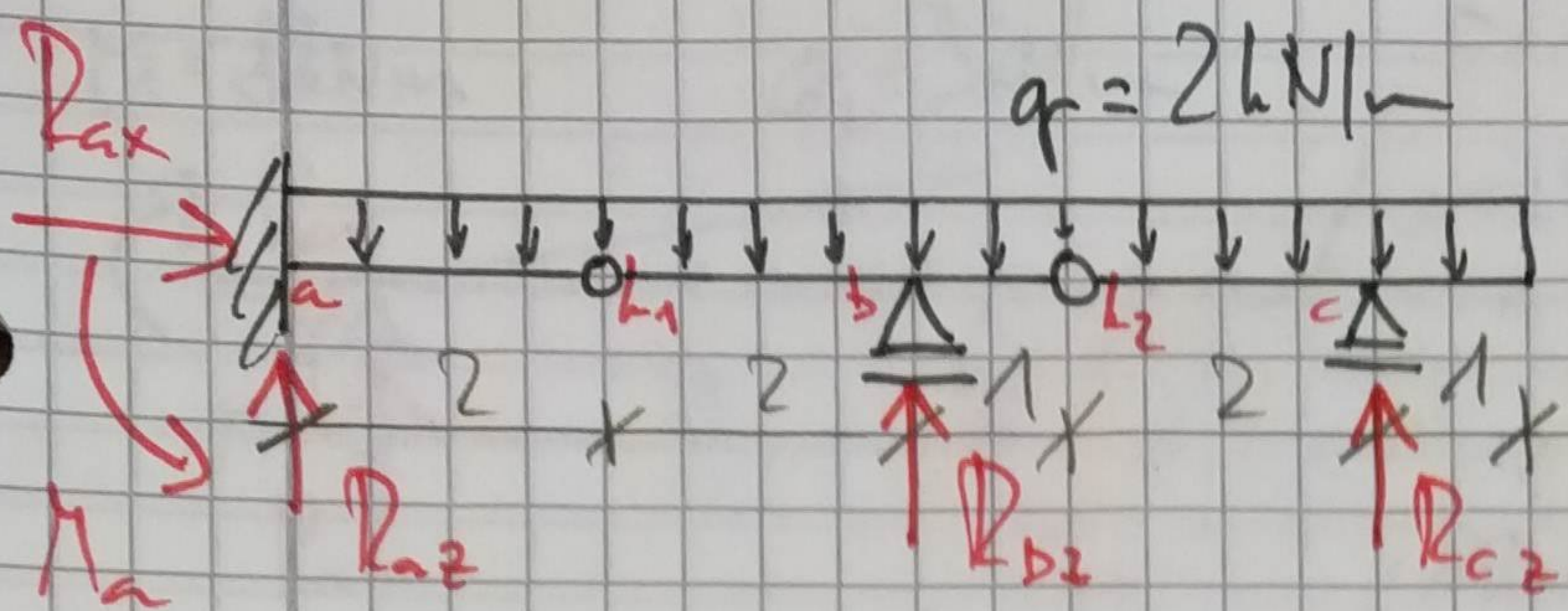
(V)



(M)







$$P_{ax} = 0$$

$$P_{c2} = 4,5 \text{ kN}$$

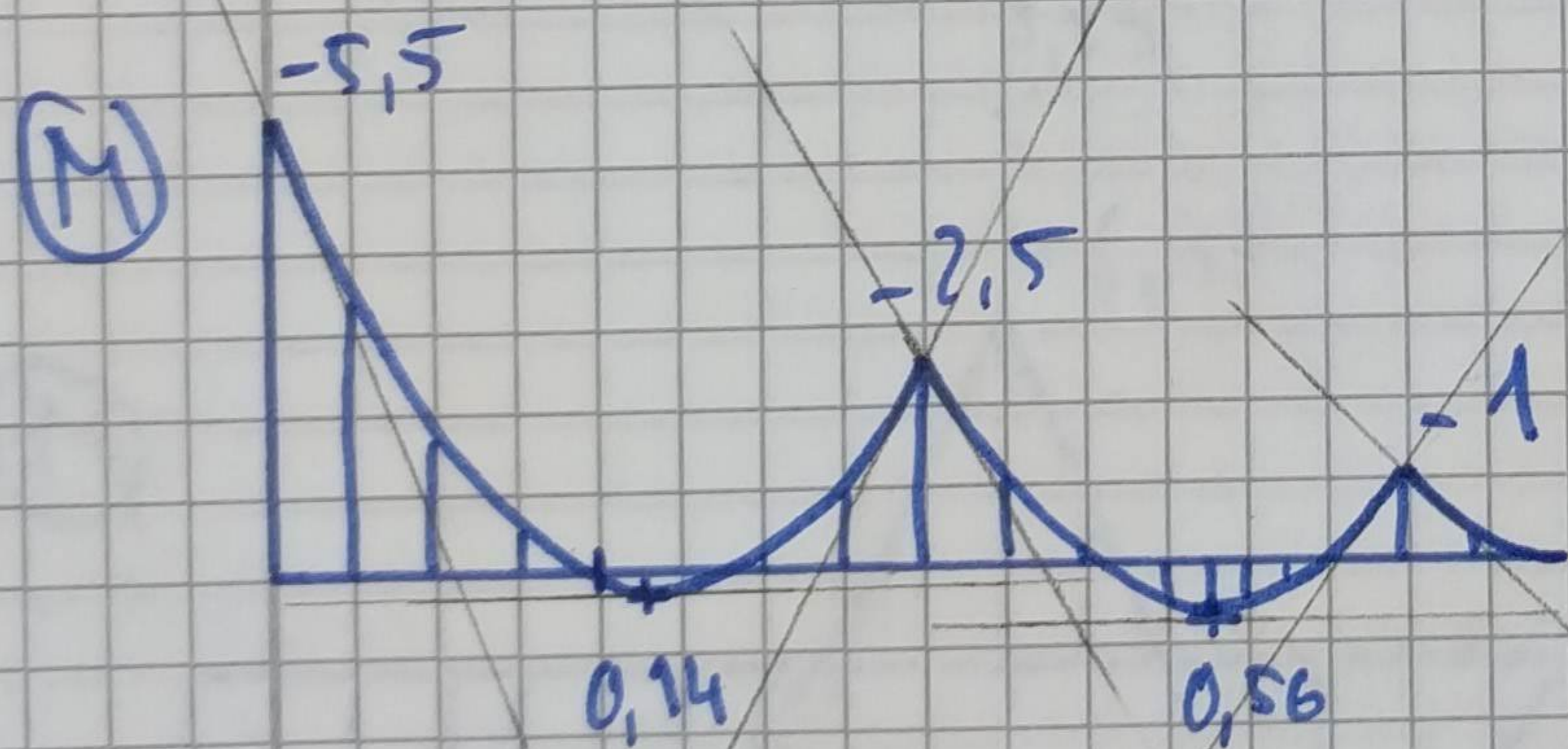
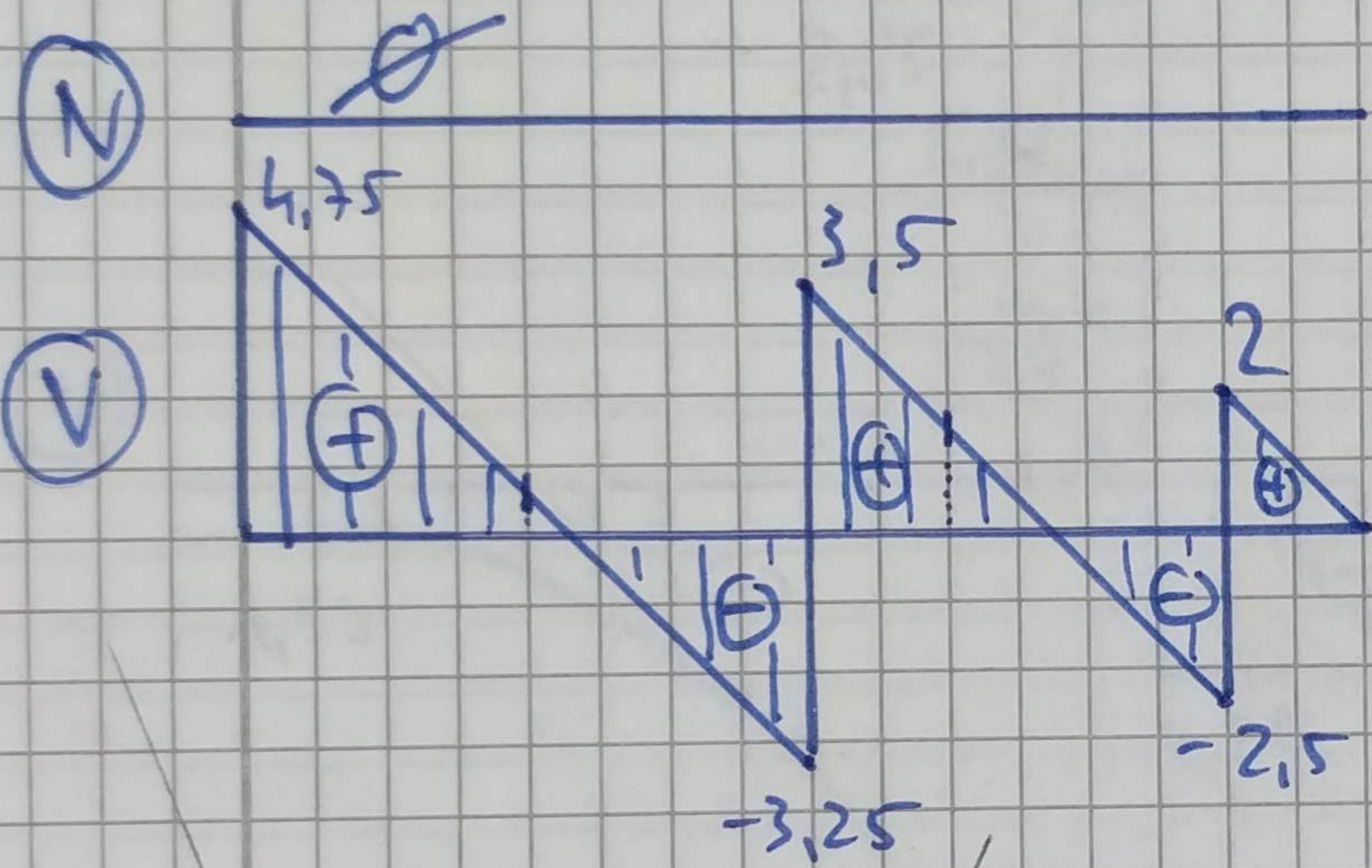
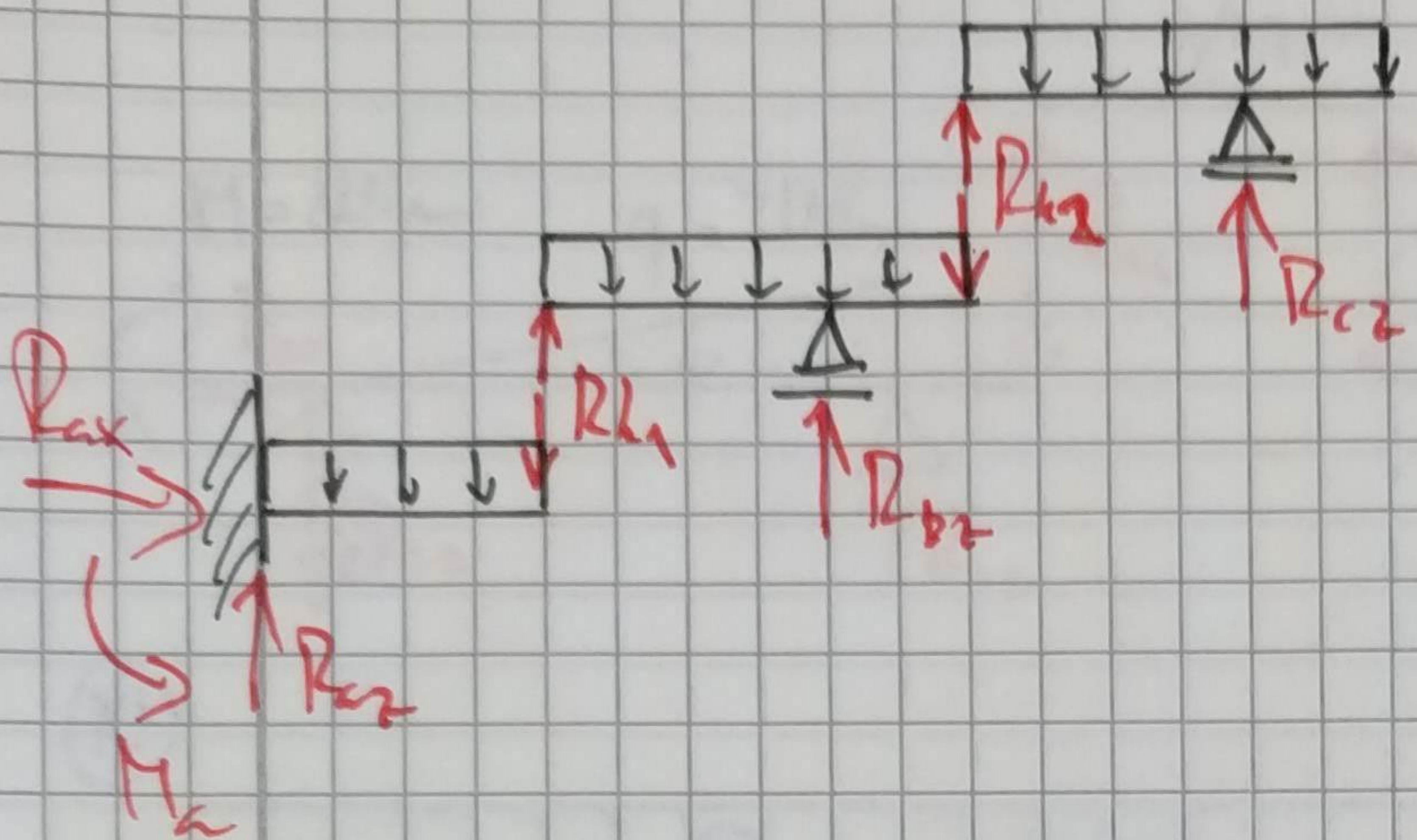
$$P_{b2} = 1,5 \text{ kN}$$

$$P_{a2} = 6,75 \text{ kN}$$

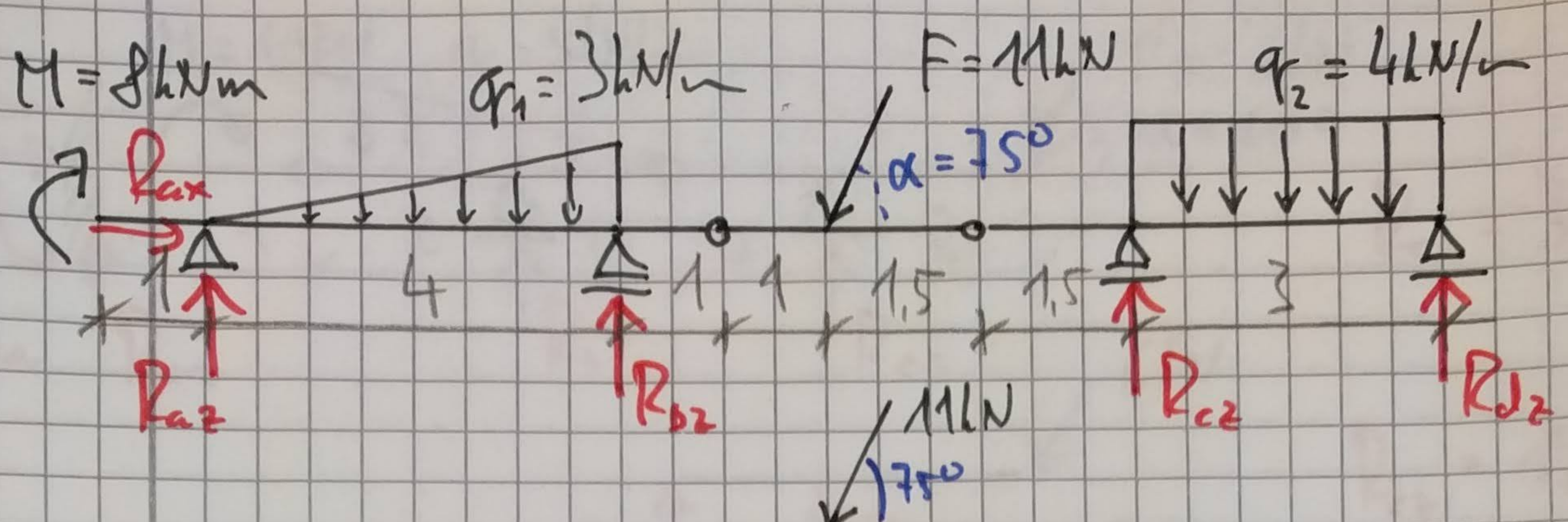
$$P_{a2} = 0,75 \text{ kN}$$

$$P_{c2} = 4,75 \text{ kN}$$

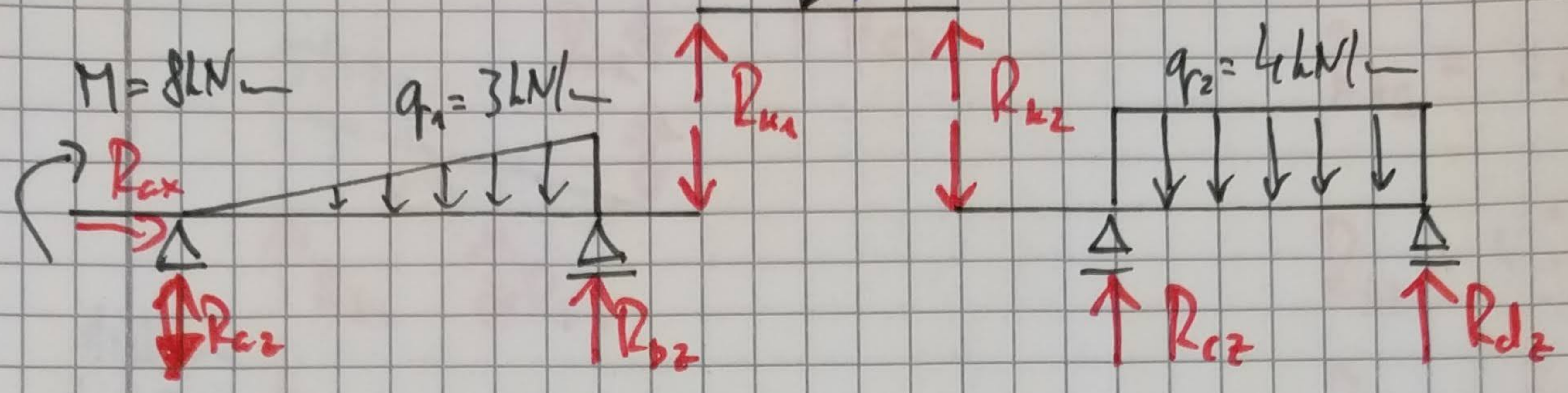
$$M_a = 5,5 \text{ kNm}$$





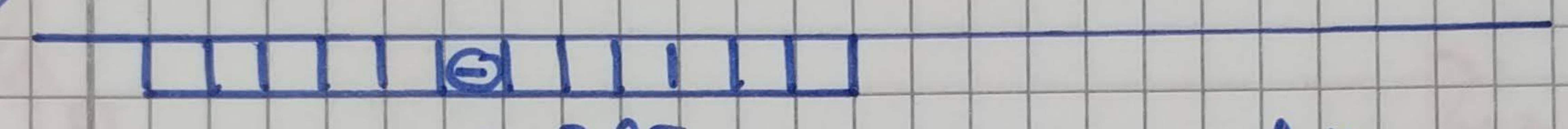


$F_x = 2,85 \text{ kN}$   
 $F_z = 10,63 \text{ kN}$   
 $R_{ax} = 2,85 \text{ kN}$  (→)

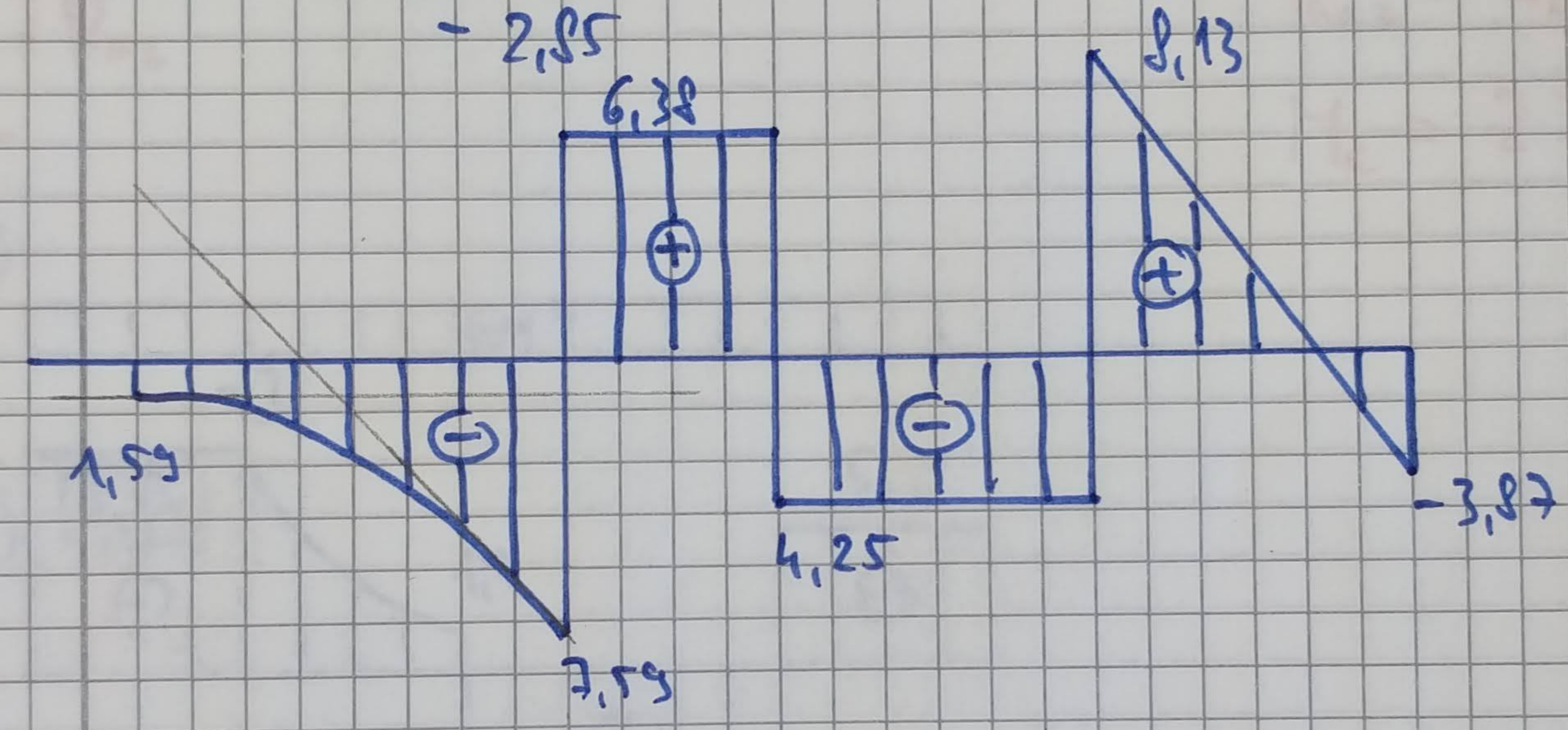


$R_{az} = +1,59 \text{ kN}$  (↓)  
 $R_{bz} = 13,97 \text{ kN}$  (↑)  
 $R_{cz} = 12,38 \text{ kN}$  (↑)  
 $R_{dz} = 3,87 \text{ kN}$  (↑)

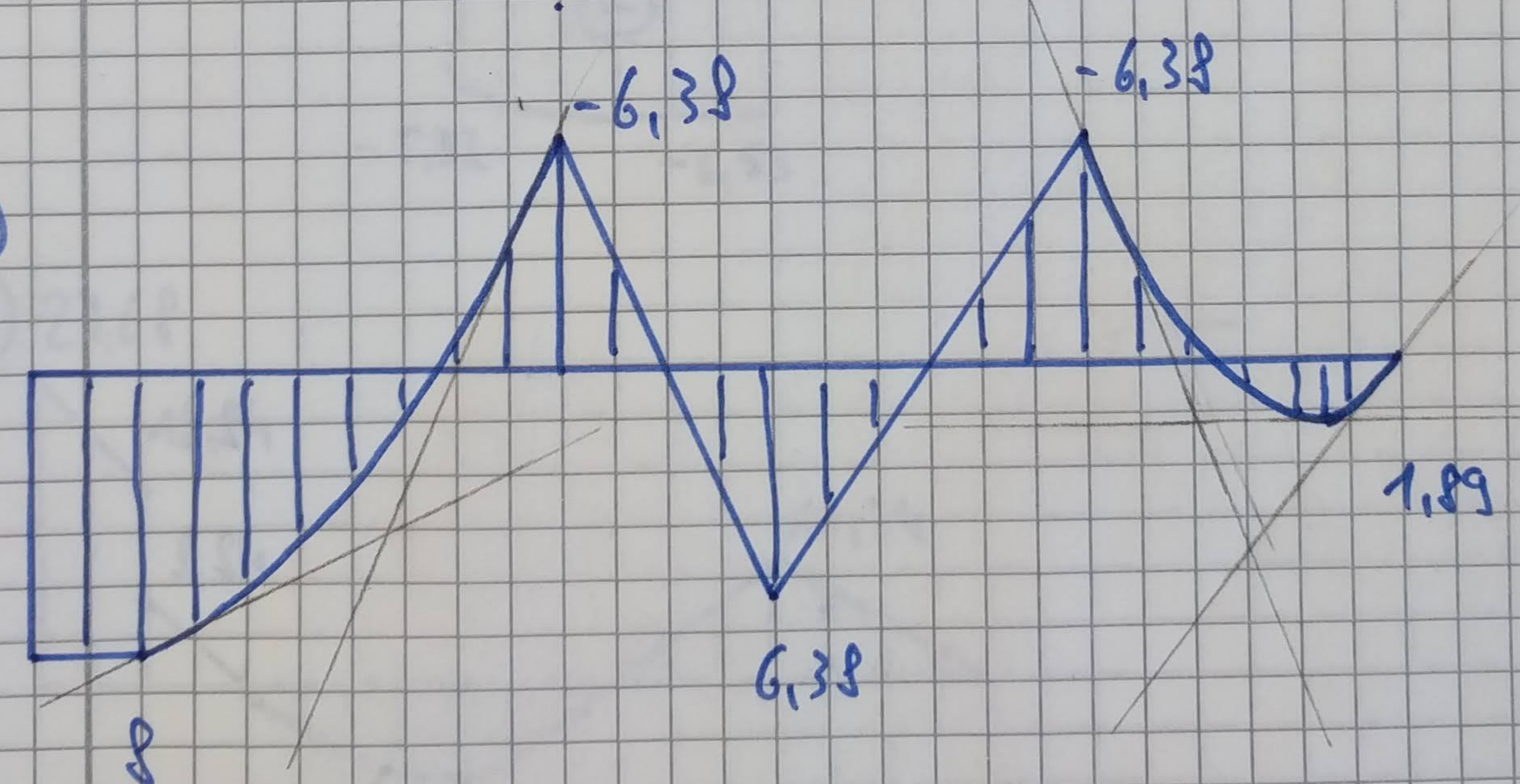
(N)



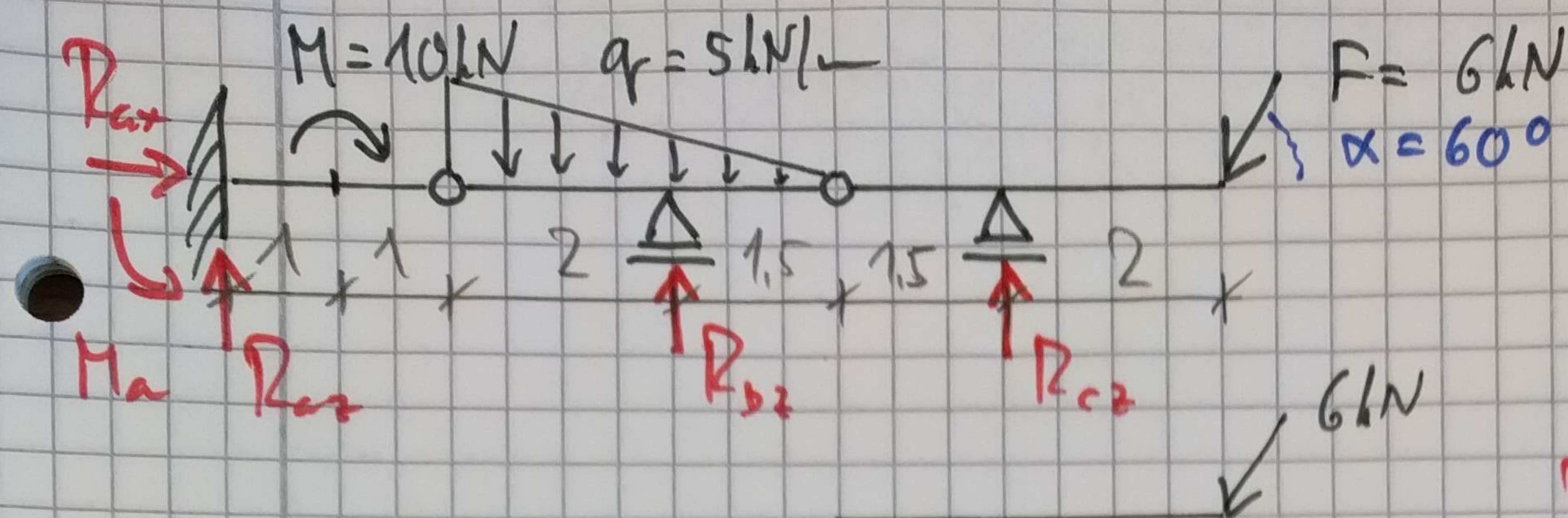
(V)



(M)







$$R_{ax} = 3 \text{ kN} (\rightarrow)$$

$$R_{cz} = 12,12 \text{ kN} (\uparrow)$$

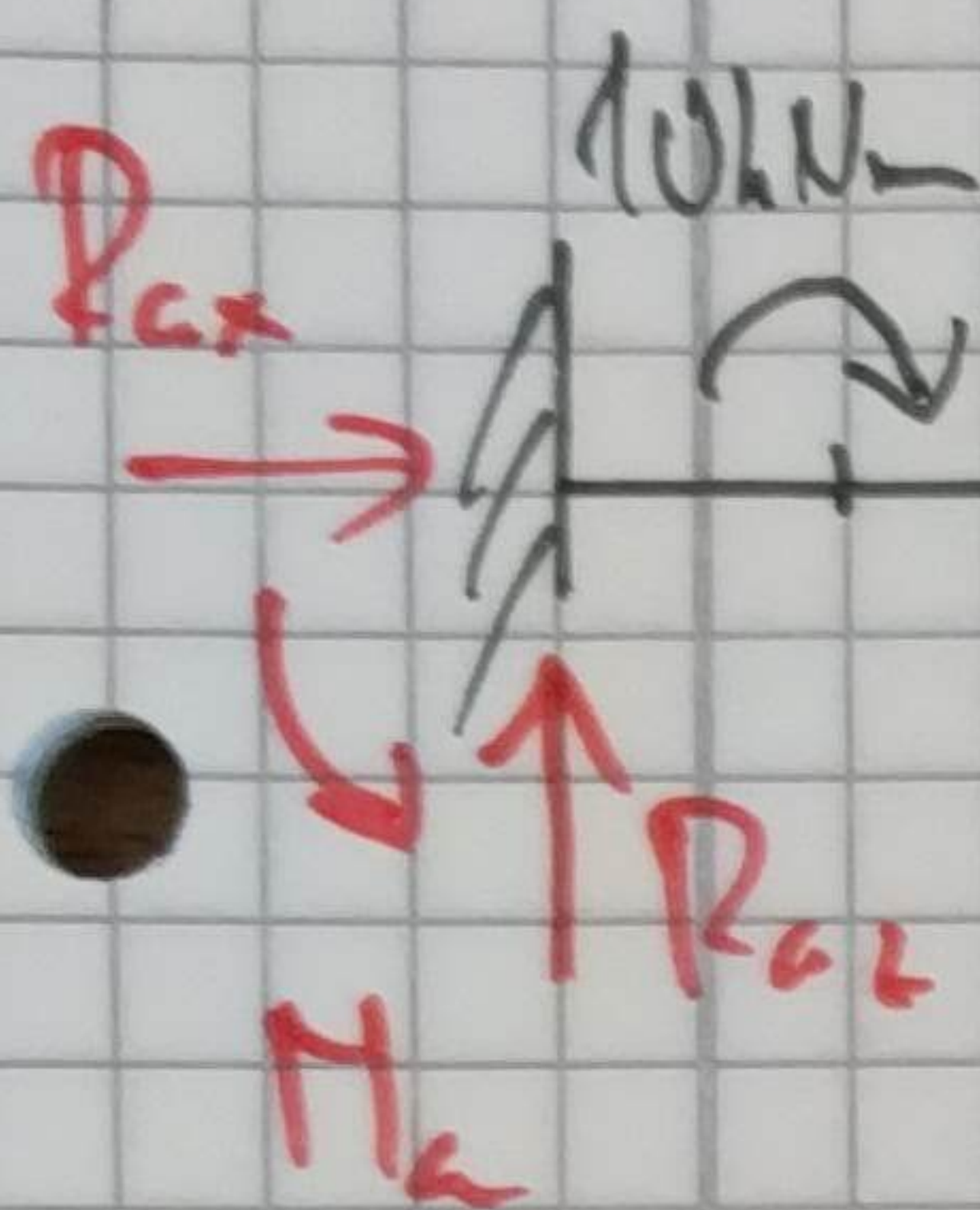
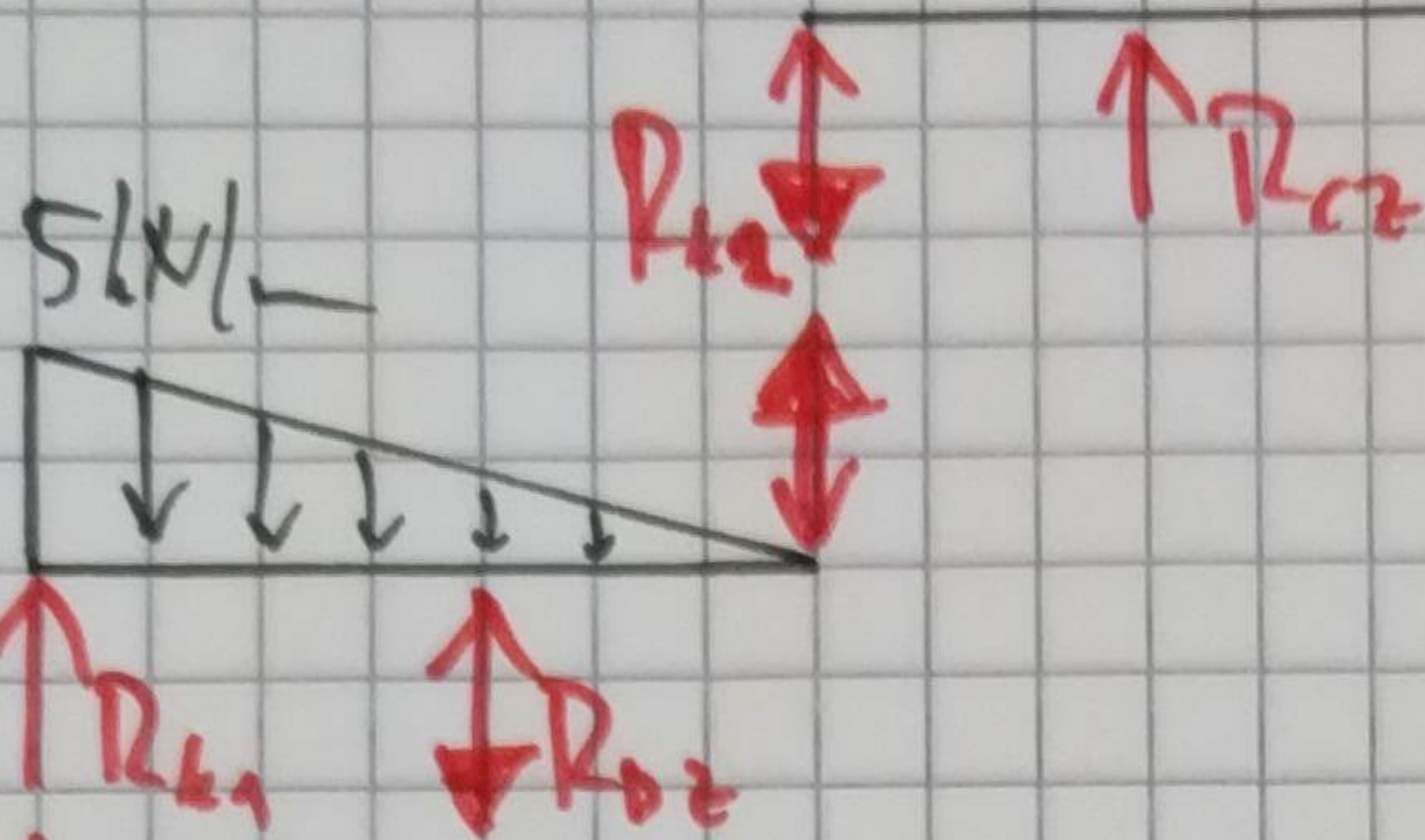
$$R_{bz} = +6,93 \text{ kN} (\downarrow)$$

$$R_{bz} = +7,01 \text{ kN} (\downarrow)$$

$$R_{bz} = 8,84 \text{ kN} (\uparrow)$$

$$R_{bz} = 8,84 \text{ kN} (\uparrow)$$

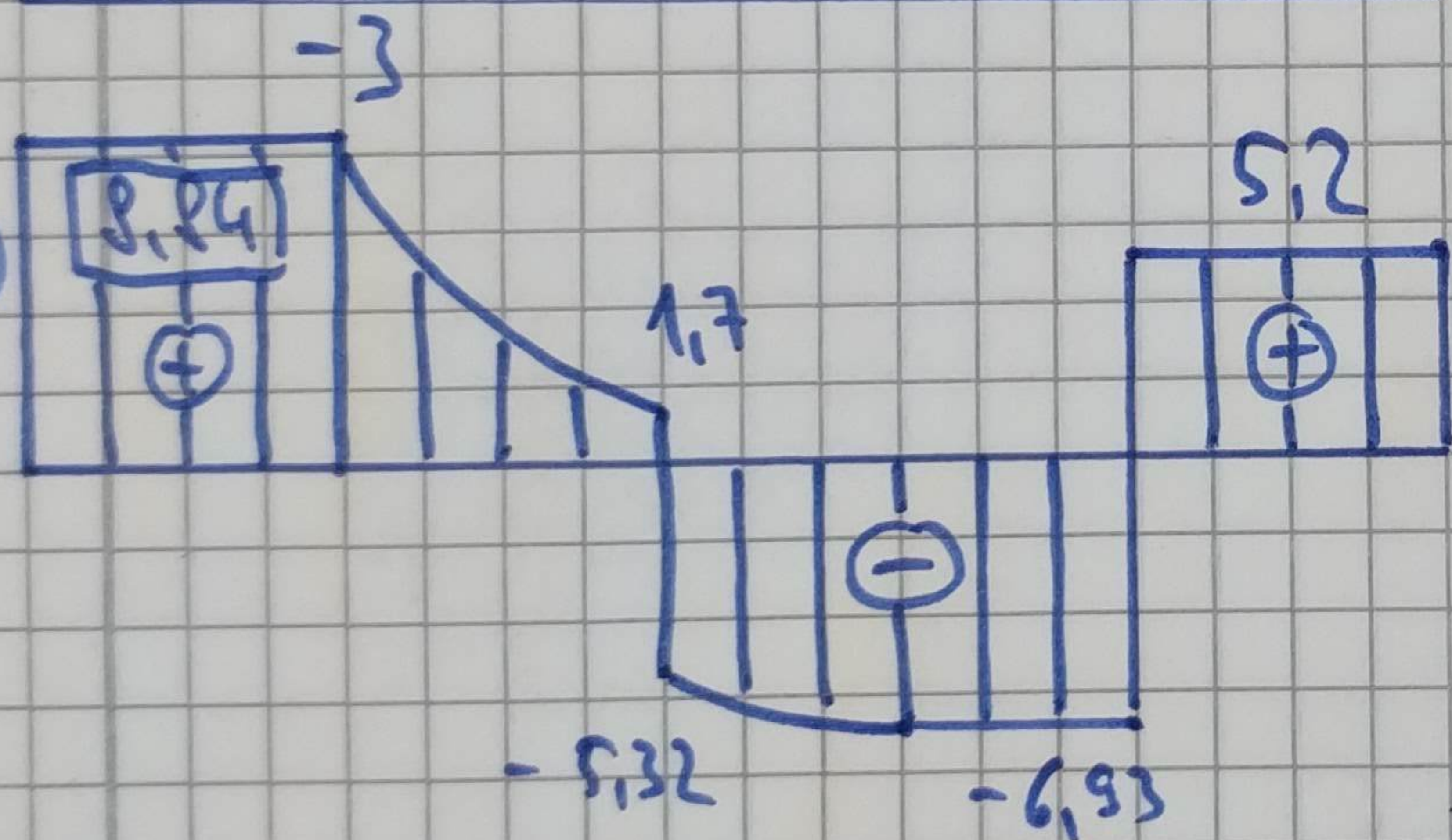
$$M_a = 27,68 \text{ kNm} (\hookrightarrow)$$



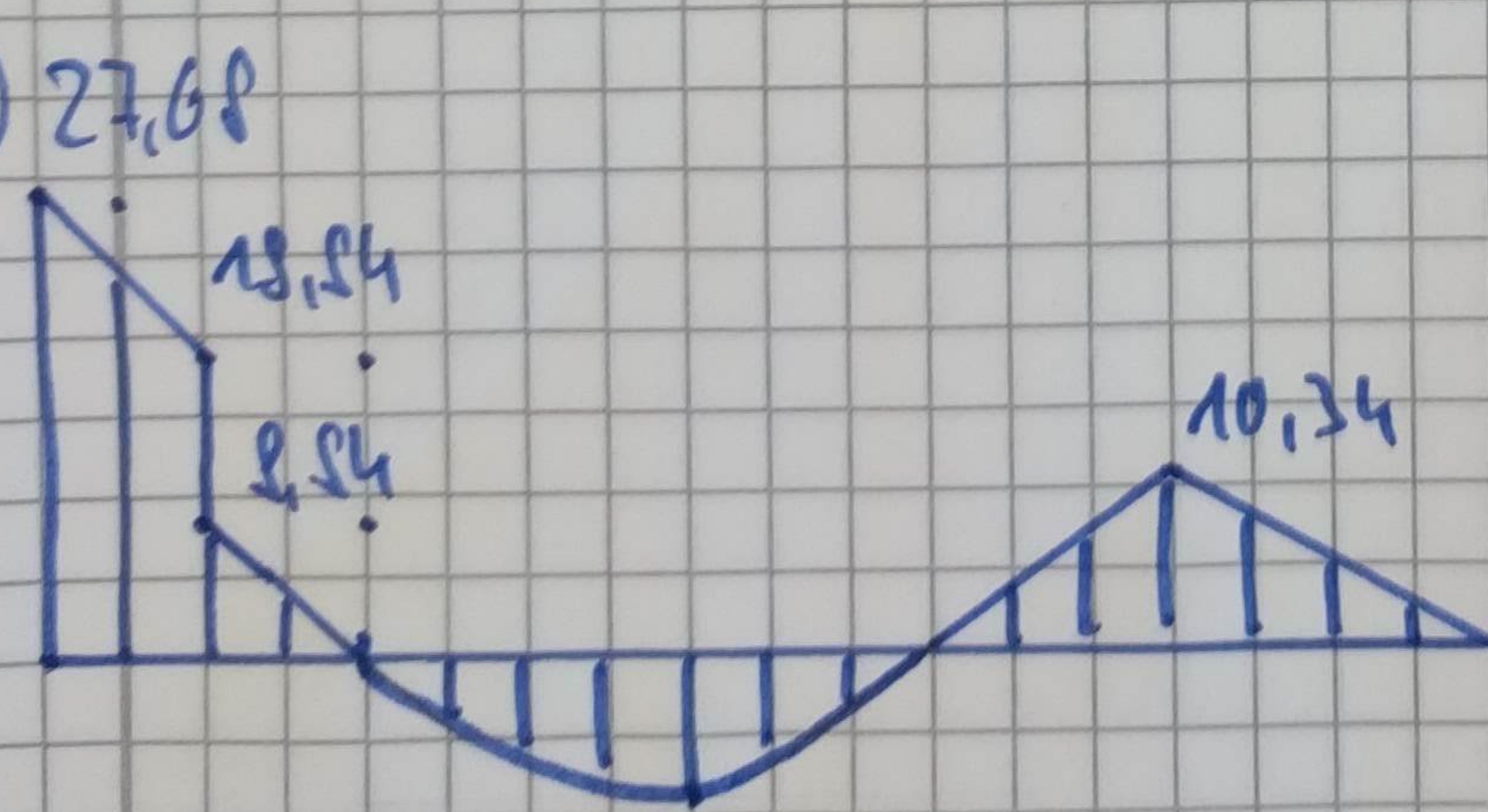
(N)



(V)



(M)



zlom!