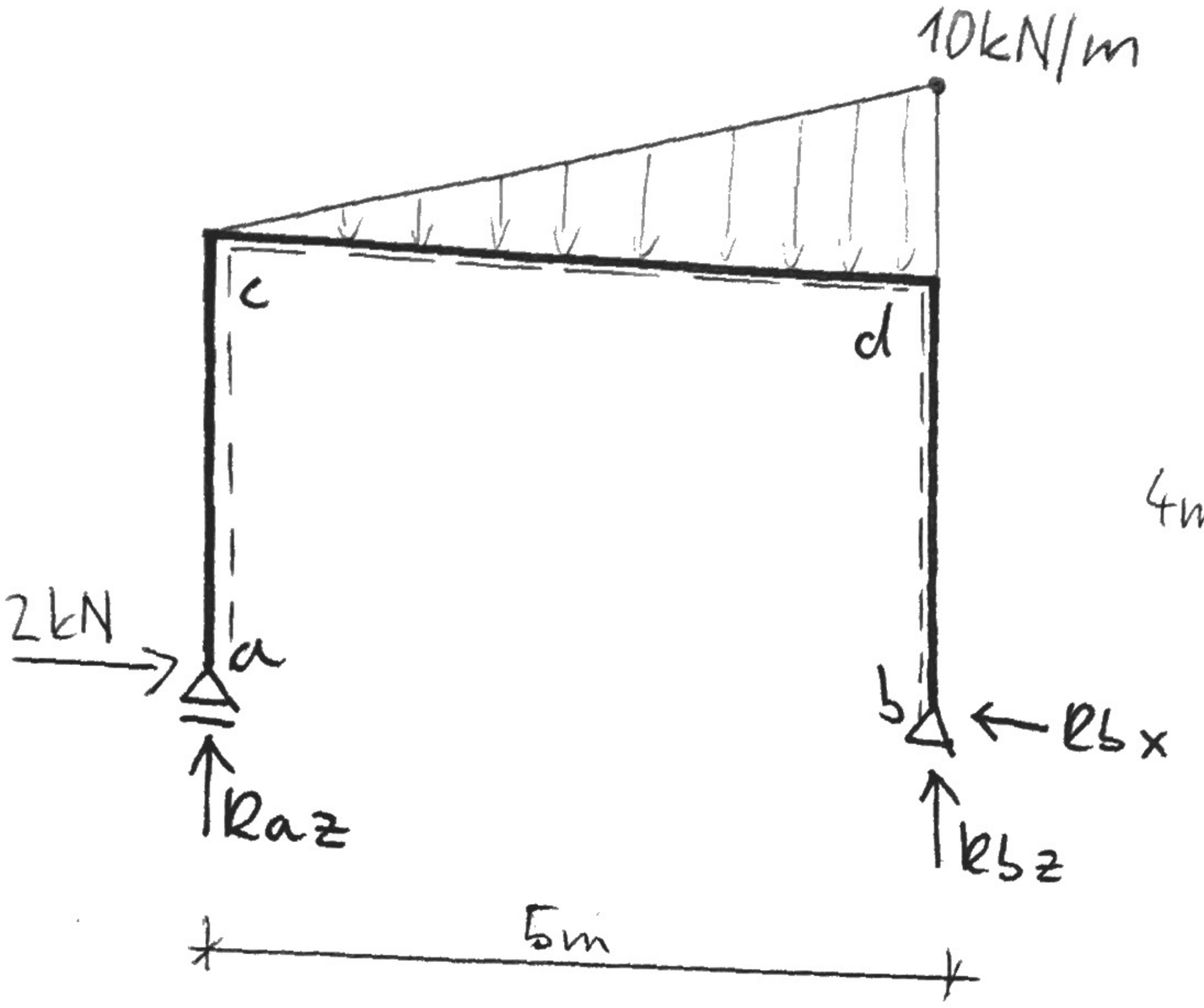


$\Sigma Fix = 0;$

$2 - Rbx = 0$

$\underline{Rbx = 2\,kN}$

$\Sigma Fiz = 0;$

$Raz + Rbz - 10 \cdot 5/2 = 0$

$\underline{Raz + Rbz = 25\,kN}$ ✓

$\Sigma Mia = 0;$

$0 = Rbz \cdot 5 - 10 \cdot 5/2 \cdot \left(\frac{2}{3} \cdot 5\right) + Rbx \cdot 0$

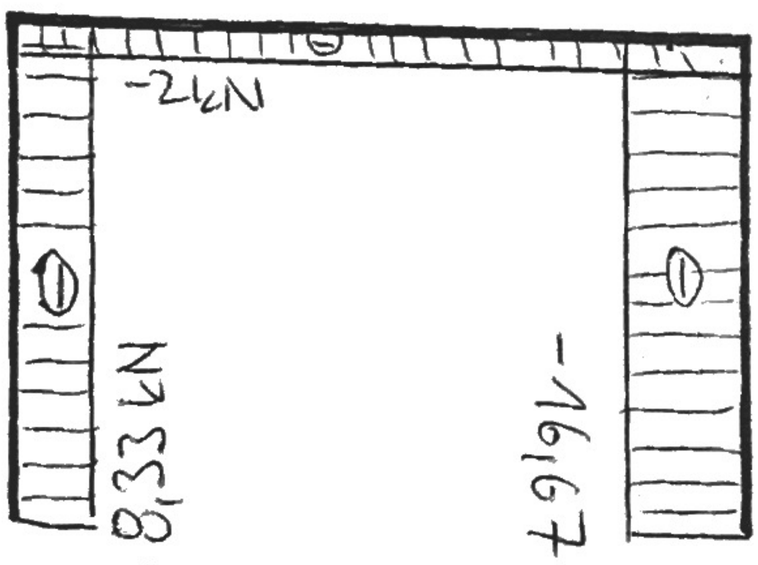
$\underline{Rbz = 16{,}67\,kN}$

$\Sigma Mib = 0;$

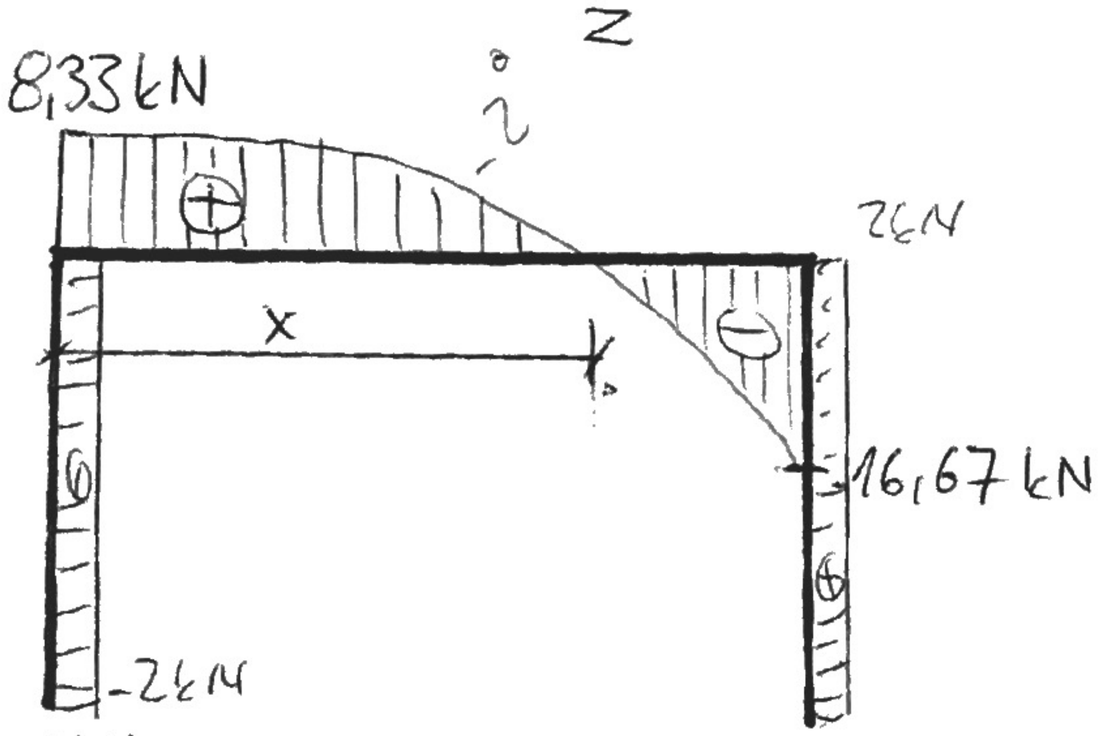
$Raz \cdot 5 + 2 \cdot 0 - 10 \cdot 5/2 \left(\frac{1}{3} \cdot 5\right) = 0$

$\underline{Raz = 8{,}33\,kN}$

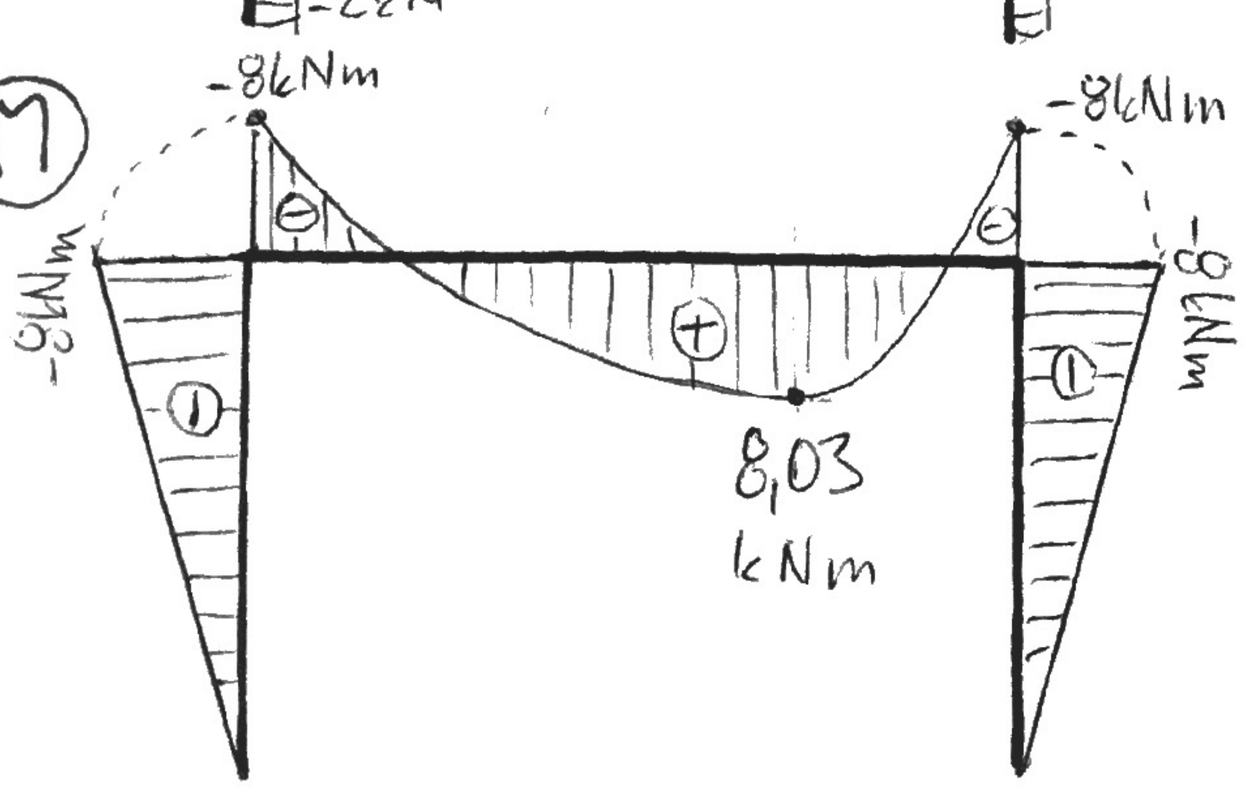
(N)



(V)



(M)



$x:$

$8{,}33 - q \cdot \frac{x}{\ell} \cdot x \cdot \frac{1}{2} = 0$

$8{,}33 - x^2 \cdot 1 = 0$

$x = +\sqrt{8{,}33}$

$\underline{x = 2{,}89\,m}$

$M_x^L = -2 \cdot 4 + 8{,}33 \cdot x - 10 \cdot \frac{x}{5} \cdot \frac{x}{2} \cdot \frac{x}{3}$

$\underline{M_x^L = 8{,}03\,kNm}$