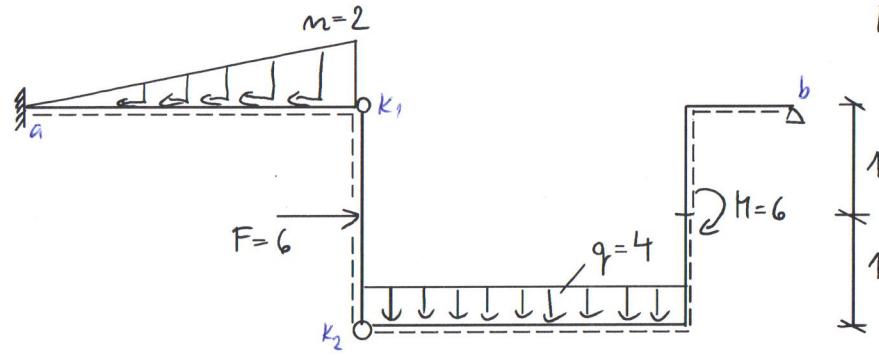
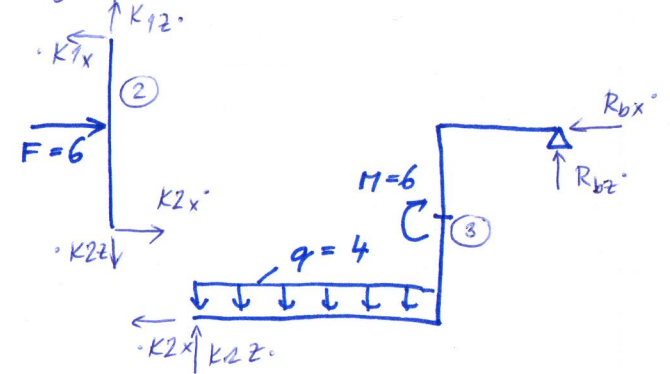
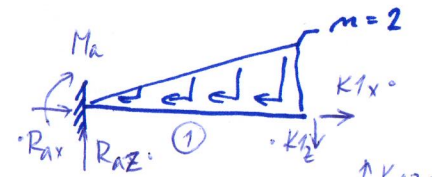




[mm, kN, kNm, kN/m]



$$\begin{aligned} \textcircled{2} \quad \sum M_{ik1} = 0 : \quad & F \cdot 1 + K2x \cdot 2 = 0 \\ & K2x = \frac{-6 \cdot 1}{2} = \underline{\underline{-3 \text{ kN}}} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \sum F_{ix} = 0 : \quad & -K1x + F + K2x = 0 \\ & K1x = 6 + (-3) = \underline{\underline{3 \text{ kN}}} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \sum M_{ib} = 0 : \quad & -K2x \cdot 2 - K2z \cdot 4 + q \cdot 3 \cdot 2,5 - M = 0 \\ & K2z = \frac{-(-3) \cdot 2 + 4 \cdot 3 \cdot 2,5 - 6}{4} = \underline{\underline{7,5 \text{ kN}}} \end{aligned}$$

$$\textcircled{2} \quad \sum F_{iz} = 0 : \quad K1z - K2z = 0 \rightarrow \underline{\underline{K1z = 7,5 \text{ kN}}}$$

$$\textcircled{3} \quad \sum F_{ix} = 0 : \quad -K2x - R_{bx} = 0 \rightarrow \underline{\underline{R_{bx} = -(-3) = 3 \text{ kN}}}$$

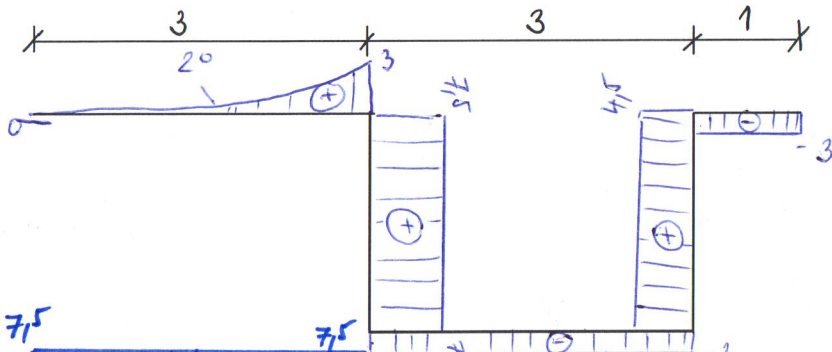
$$\begin{aligned} \textcircled{3} \quad \sum M_{ik2} = 0 : \quad & -q \cdot 3 \cdot 1,5 - M + R_{bx} \cdot 2 + R_{bz} \cdot 4 = 0 \\ & R_{bz} = \frac{4 \cdot 3 \cdot 1,5 + 6 - 3 \cdot 2}{4} = \underline{\underline{4,5 \text{ kN}}} \end{aligned}$$

$$\textcircled{1} \quad \sum F_{ix} = 0 : \quad R_{ax} - \frac{1}{2} m \cdot 3 + K1x = 0 \rightarrow \underline{\underline{R_{ax} = \frac{1}{2} \cdot 2 \cdot 3 - 3 = 0}}$$

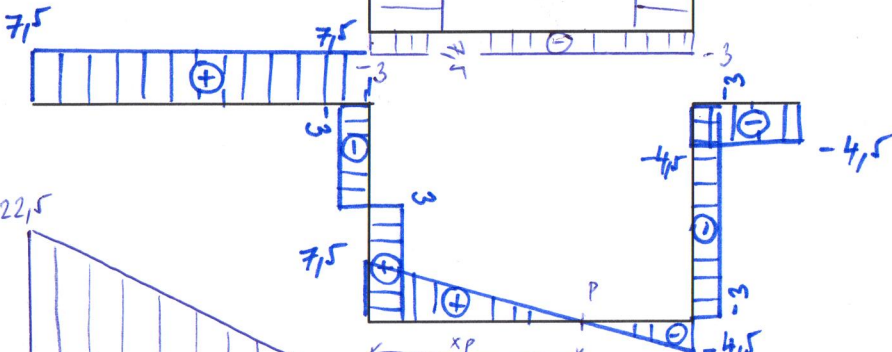
$$\textcircled{1} \quad \sum F_{iz} = 0 : \quad R_{az} - K1z = 0 \rightarrow \underline{\underline{R_{az} = K1z = 7,5 \text{ kN}}}$$

$$\textcircled{1} \quad \sum M_{ia} = 0 : \quad -M_a - K1z \cdot 3 = 0 \rightarrow \underline{\underline{M_a = -7,5 \cdot 3 = -22,5 \text{ kNm}}}$$

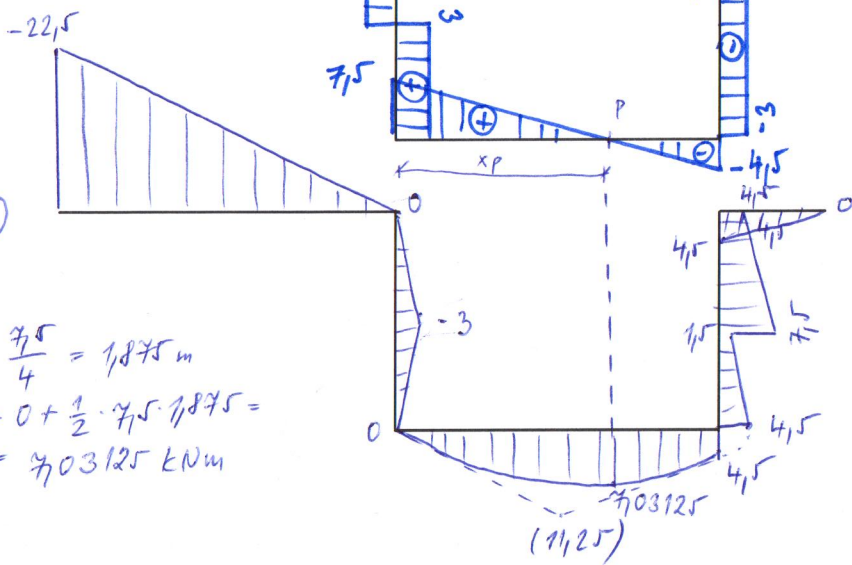
(N)



(V)



(M)



$$\begin{aligned} x_p &= \frac{7,5}{4} = 1,875 \text{ m} \\ M_p &= 0 + \frac{1}{2} \cdot 7,5 \cdot 1,875 = \\ &= \underline{\underline{7,03125 \text{ kNm}}} \end{aligned}$$