

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

$$\textcircled{1} R_{bx} = 24 \text{ kN} \checkmark$$

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

$$-R_{az} - R_{bz} + (6 \cdot 4) + 24 = 0$$

$$2m \textcircled{2} R_{az} + R_{bz} = 48 \text{ kN} \quad (6)$$

$$\sum M_{ia} = 0$$

$$-F_1 \cdot 8 - F_2 \cdot 1 + R_{bz} \cdot 6$$

$$\textcircled{3} +R_{bx} \cdot 3 + M_B - (6 \cdot 4) \cdot 2 = 0$$

$$\sum M_{ib} = 0$$

$$\textcircled{4} -R_{az} \cdot 6 + (6 \cdot 4) \cdot 4 + F_2 \cdot 2$$

$$-F_1 \cdot 2 + M_B = 0$$

$$-R_{az} \cdot 6 + M_B = -96$$

$$\sum M_{ic} = 0$$

$$R_{az} \cdot 4 - (6 \cdot 4) \cdot 2 = 0$$

$$\textcircled{5} R_{az} = 12 \text{ kN} \checkmark$$

$$M_B = -24 \text{ kNm} \checkmark$$

$$\sum M_{id} = 0$$

$$-R_{az} \cdot 6 + (6 \cdot 4) \cdot 4 - F_1 \cdot 2 - F_2 \cdot 1$$

$$+R_{bx} \cdot 3 + M_B = 0$$

$$-12 \cdot 6 + (6 \cdot 4) \cdot 4 - 24 \cdot 2 - 24 \cdot 1$$

$$+R_{bx} \cdot 3 + (-24) = 0$$

$$R_{bx} = 24 \text{ kN}$$

$$\sum M_{if} = 0$$

$$-(4 \cdot 6) \cdot 2 + R_{bz} \cdot 6 + M_B$$

$$+F_2 \cdot 2 - F_1 \cdot 8 = 0$$

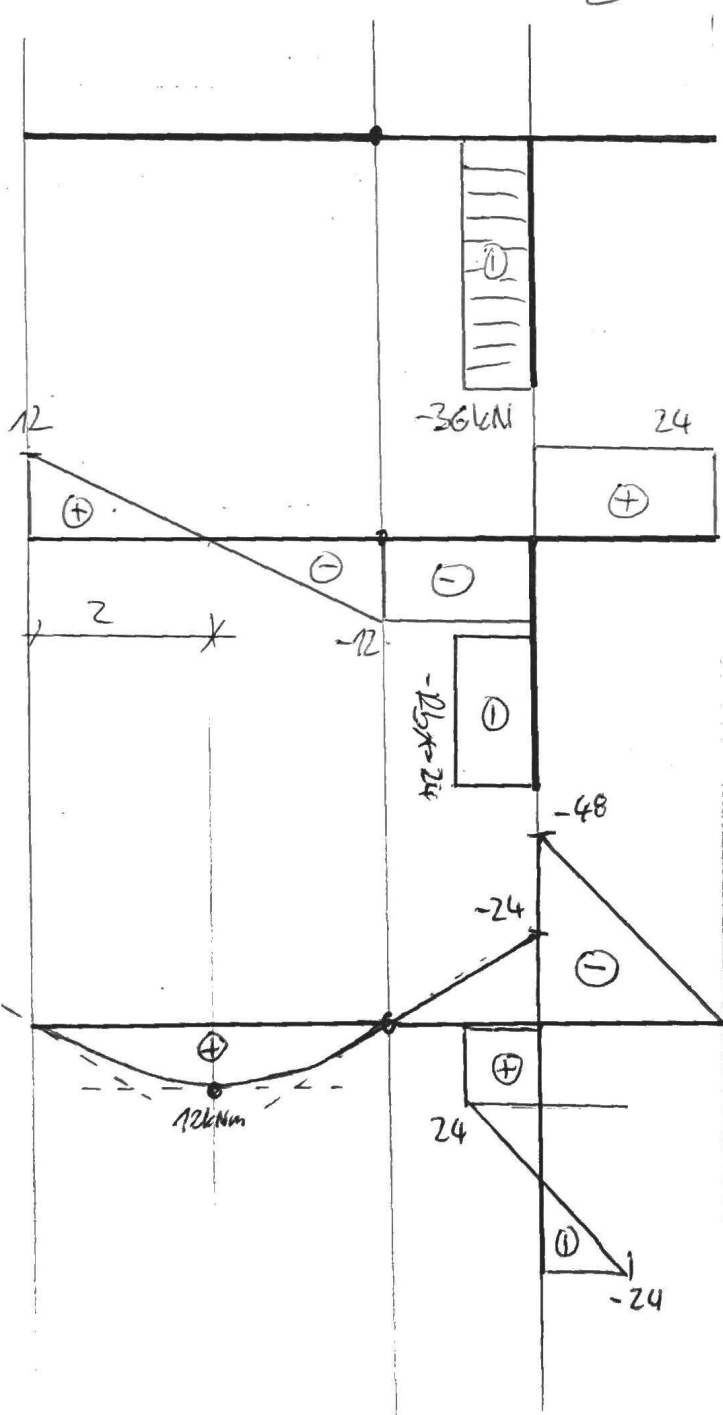
$$-48 + R_{bz} \cdot 6 - 24 + 48 - 24 = 0$$

$$R_{bz} = 36 \text{ kN}$$

[kN]  
(N)

[kN]  
(V)

[kNm]  
(M)



$$M_e^L = 12 \cdot 8 - (6 \cdot 4) \cdot 6 + 36 \cdot 2 - R_{bx} \cdot 3 + F_2 \cdot 1 - (-24) = 0$$