

$$R_{ax} = 0 \quad d = 36,87$$

$$R_{az} = 6 \text{ kN}$$

$$RM = -45 \text{ kNm}$$

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

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

$$R_{az} = 0$$

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

$$-R_{az} - R_{dz} + 12 + (4,5 \cdot 4) = 0$$

$$R_{az} + R_{dz} = 30 \text{ kN}$$

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

$$-M_a - 15 - (4,5 \cdot 4) \cdot 3 + R_{dz} \cdot 1 = 0$$

$$1 \cdot R_{dz} - M_a = 69 \text{ kNm}$$

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

$$-12 \cdot 5 + R_{dz} \cdot 4 - (4,5 \cdot 4) \cdot 2 = 0$$

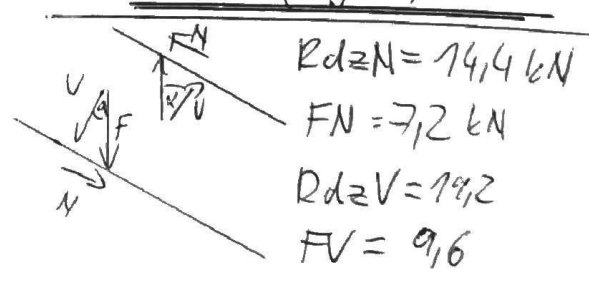
$$R_{dz} = 24 \text{ kN}$$

$$L \rightarrow M_a = -45 \text{ kNm}$$

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

$$-R_{az} \cdot 5 - M_a - 15 = 0$$

$$R_{az} = \frac{-(15 + M_a)}{5} = 6 \text{ kN}$$



$$R_{az} N = 3,6 \text{ kN}$$

$$R_{az} V = 4,8 \text{ kN}$$

$$M_{max} = -12 \cdot 3,666 + 24 \cdot 2,666 - 4,5 \cdot \frac{2,666^2}{2} = 4 \text{ kNm}$$

