

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

$$R_{ax} + 0,684 = 0$$

$$\underline{R_{ax} = -0,684 \text{ kN}}$$

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

$$-R_{az} + 1,879 + (4 \cdot 3) - R_{bz} = 0$$

$$\underline{R_{az} + R_{bz} = 13,879 \text{ kN}}$$

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

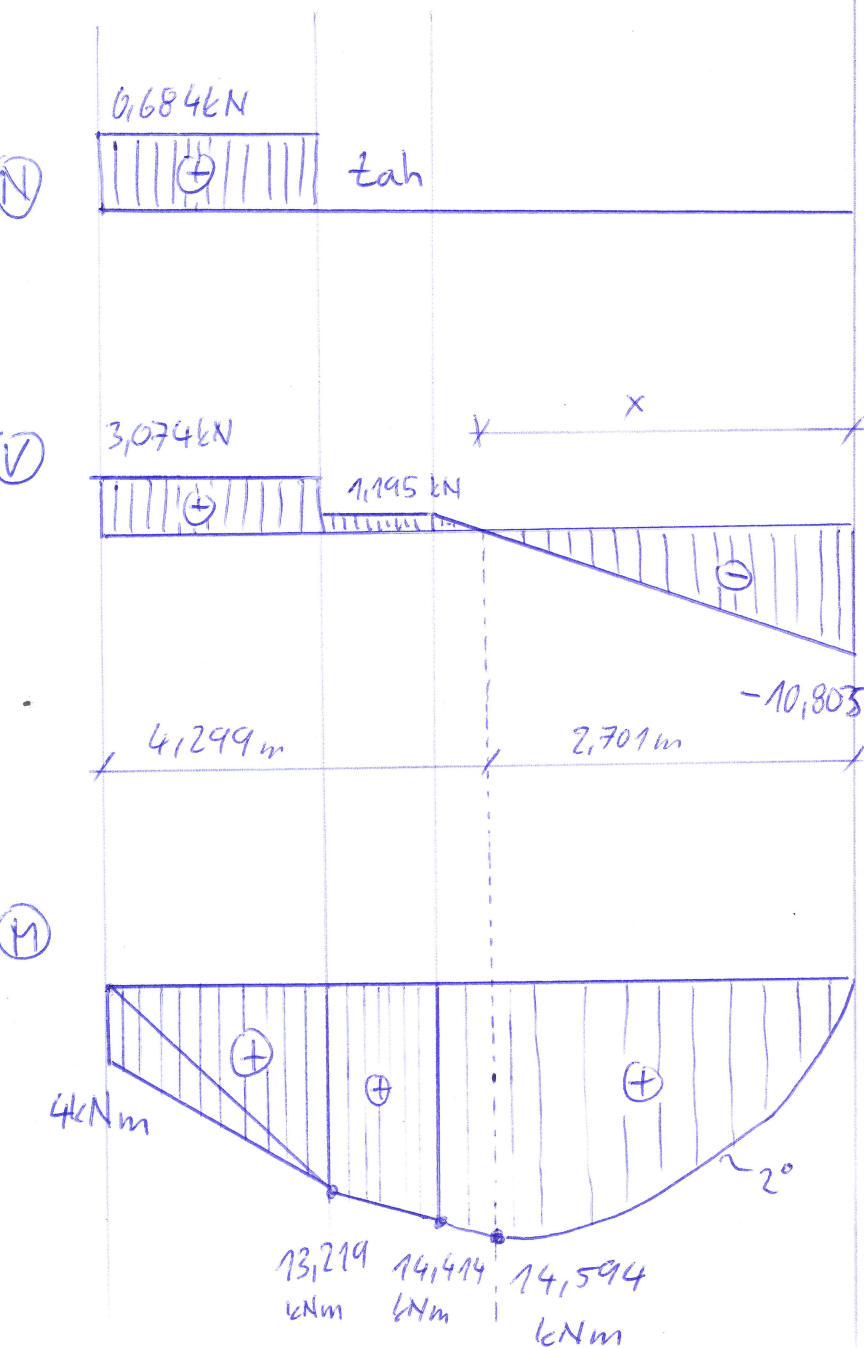
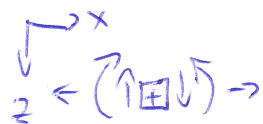
$$R_{bz} \cdot 7 - (4 \cdot 3) \cdot 5,5 - 1,879 \cdot 3 - 4 = 0$$

$$\underline{R_{bz} = 10,805 \text{ kN}}$$

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

$$4 + R_{az} \cdot 7 - 1,879 \cdot 4 - (4 \cdot 3) \cdot \frac{3}{2} = 0$$

$$\underline{R_{az} = 3,074 \text{ kN}}$$



$$x = 10,805 / 4 = \underline{2,701 \text{ m}}$$

$$M_{max} = M(4,299) = 10,805 \cdot 2,701$$

$$-4 \cdot 2,701 \cdot \frac{2,701}{2}$$

$$\underline{M_{max} = 14,594 \text{ kNm}}$$