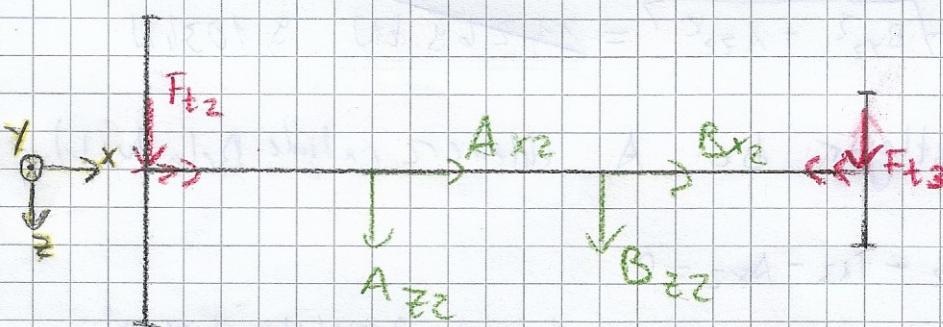
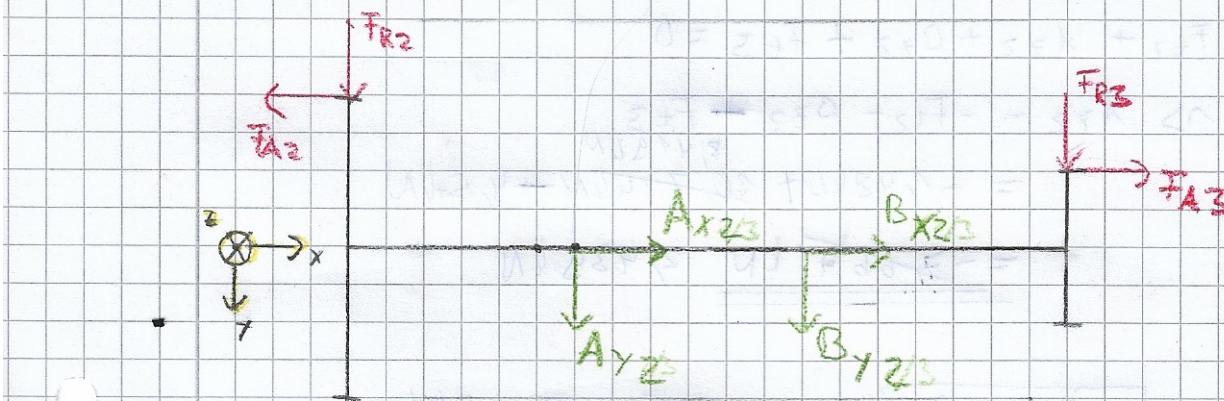


$$d_2 = 226,67 \text{ mm}$$

$$d_3 = 74,42 \text{ mm}$$



$$\text{At } B: B_{Y2} \cdot 34 - F_{R2} \cdot 25,5 - F_{A2} \frac{d_2}{2} + F_{R3} \cdot 72 + F_{A3} \cdot \frac{d_3}{2} = 0$$

$$\Rightarrow B_{Y2} = F_{R2} \cdot 25,5 + F_{A2} \cdot \frac{d_2}{2} - F_{R3} \cdot 72 - F_{A3} \cdot \frac{d_3}{2}$$

$$= 0,54 \text{ kN} \cdot 25,5 + 0,5 \text{ kN} \cdot \frac{226,67}{2} - 1,766 \text{ N} \cdot 72 - 1,165 \text{ N} \cdot \frac{74,42}{2}$$

$$= -3463 \text{ kN}$$

$$1: F_{R2} + A_{Y2} + B_{Y2} + F_{R3} = 0$$

$$\Rightarrow A_{Y2} = -F_{R2} - B_{Y2} - F_{R3}$$

$$= -0,547 \text{ kN} + 3463 \text{ kN} - 1766 \text{ N} - 1,133 \text{ kN}$$

$$= \frac{11,984 \text{ N} \cdot 25,5 + 4,5 \text{ kNm} \cdot 7,5}{34} = \underline{\underline{10,724 \text{ kN}}}$$

$$\uparrow: F_{t2} + A_{zz} + B_{zz} + F_{t3} = 0$$

$$\Rightarrow A_{zz} = -F_{t2} - B_{zz} + F_{t3} \\ = -1,486 \text{ N} + \underline{\underline{10,724 \text{ kN}}} + 4,5 \text{ kN} \\ = \underline{\underline{-3,664 \text{ kN}}} \quad 2,439 \text{ kN}$$

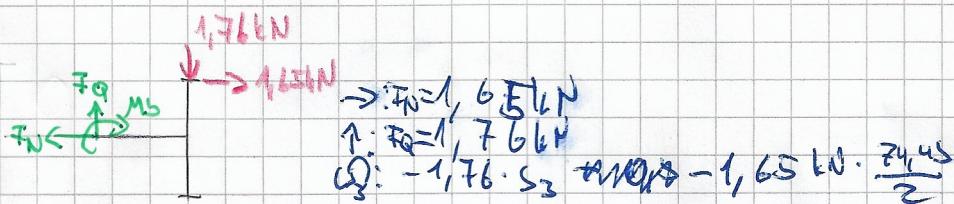
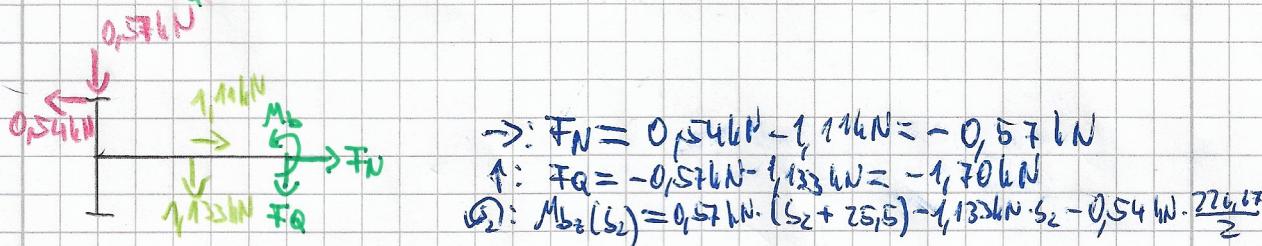
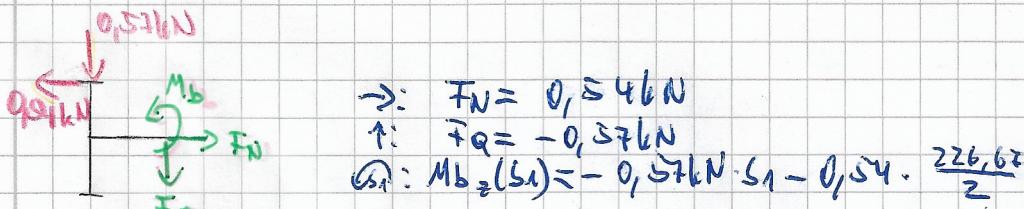
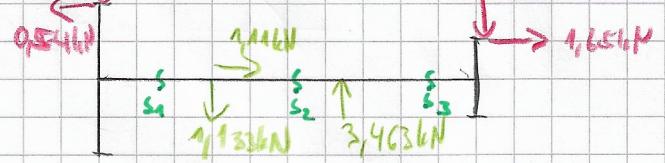
$$A_{r2} = \sqrt{A_{xz}^2 + A_{zz}^2} = \underline{\underline{2,689 \text{ kN}}} \quad 2,689 \text{ kN}$$

$$B_{r2} = \sqrt{B_{yz}^2 + A_{zz}^2} = \underline{\underline{9,103 \text{ kN}}} \quad 9,103 \text{ kN}$$

\Rightarrow Festlager bei A (kleinere radiale Belastung)

$$\Rightarrow: F_{x2} - F_{x3} - A_{xz} = 0$$

$$\Rightarrow A_{xz} = F_{x3} - F_{x2} = 1,65 \text{ kN} - 0,54 \text{ kN} = \underline{\underline{1,11 \text{ kN}}}$$



M_{b_y} -Verläufe

