

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

$$\underline{R_{ax} = 0 \text{ kN}}$$

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

$$-R_{az} + 5 \cdot 4 / 2 - R_{bz} = 0$$

$$\underline{R_{az} + R_{bz} = 10 \text{ kN}} \quad \checkmark$$

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

$$R_{bz} \cdot 4 - \frac{(5 \cdot 4) \cdot \frac{4}{3}}{2} = 0$$

$$\underline{R_{bz} = 3,333 \text{ kN}}$$

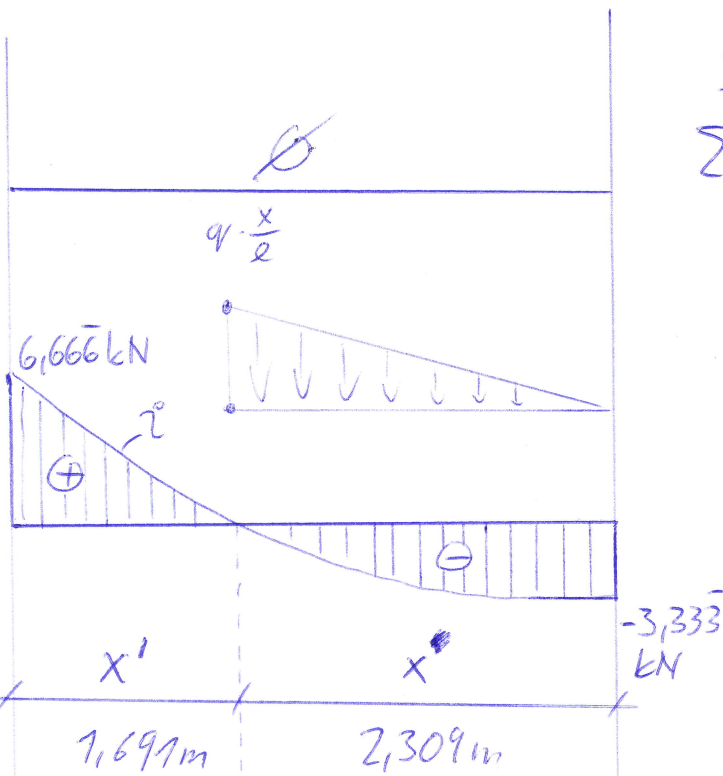
$$\sum M_{ib}^L = 0$$

$$R_{az} \cdot 4 - \frac{(5 \cdot 4) \cdot \frac{4-2}{3}}{2} = 0$$

$$\underline{R_{az} = 6,666 \text{ kN}}$$

$$\vec{z} \leftarrow \left(\begin{matrix} \vec{x} \\ \vec{y} \end{matrix} \right) \rightarrow$$

(N)



(X:)

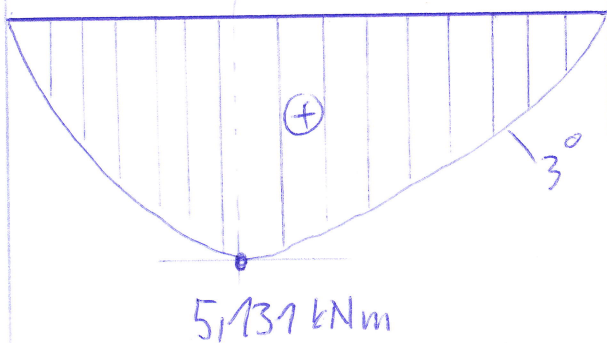
$$-3,333 + q \cdot \frac{x}{2} \cdot \frac{x}{2} = 0$$

$$-3,333 + 5 \cdot \frac{x^2}{2 \cdot 4} = 0$$

$$\frac{5}{8} \cdot x^2 = 3,333$$

$$x = \sqrt{\frac{8}{5} \cdot 3,333} = \underline{2,309 \text{ m}}$$

(M)



$$M_{\max} = M_{(1,691)}^P = 3,333 \cdot 2,309$$

$$- 5 \cdot \frac{2,309}{4} \cdot \frac{2,309}{2} \cdot \frac{2,309}{3}$$

$$\underline{M_{\max} = 5,131 \text{ kNm}}$$