

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

$$R_{ax} = 3,214 \text{ kN}$$

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

$$-R_{uz} + (3 \cdot 4) + 3,83 - R_{bz} = 0$$

$$R_{uz} + R_{bz} = 15,83 \text{ kN} \quad \checkmark$$

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

$$R_{bz} \cdot 8 - 3,83 \cdot 6 - (3 \cdot 4) \cdot \frac{4}{2} = 0$$

$$R_{bz} = 5,873 \text{ kN}$$

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

$$R_{uz} \cdot 8 - (3 \cdot 4) \cdot 6 - 3,83 \cdot 2 = 0$$

$$R_{uz} = 9,958 \text{ kN}$$

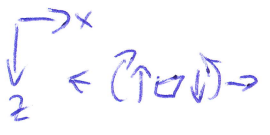
Místo přechodového průřezu (x)

$$x = 9,958 / 3 = 3,319 \text{ m}$$

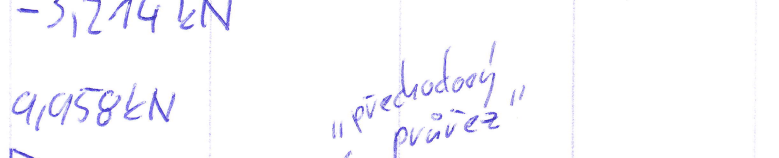
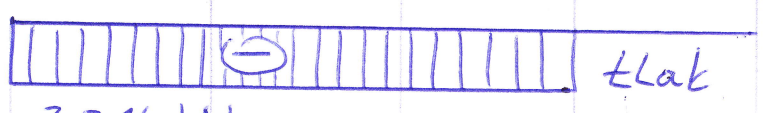
$$M_{max} = M(3,319)$$

$$M_{max}^L = R_{uz} \cdot 3,319 - 3 \cdot 3,319 \cdot \frac{3,319}{2}$$

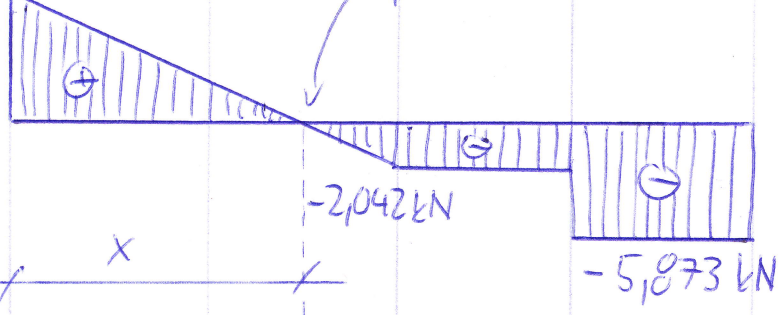
$$= 16,527 \text{ kNm}$$



(N)



(V)



(M)