

Vykreslete průběhy vnitřních sil (N, V, M), určete polohu přechodového průřezu a hodnotu $M_{\max}$ (příp. $M_{\min}$).

U výpočtů zapisujte postup.

$$F_{2x} = F_2 \cdot \cos \alpha = 10 \text{ kN}$$

$$F_{2z} = F_2 \cdot \sin \alpha = 5 \text{ kN}$$

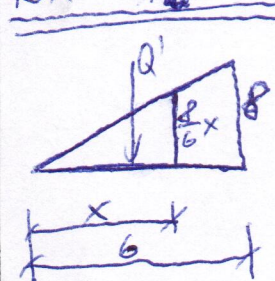
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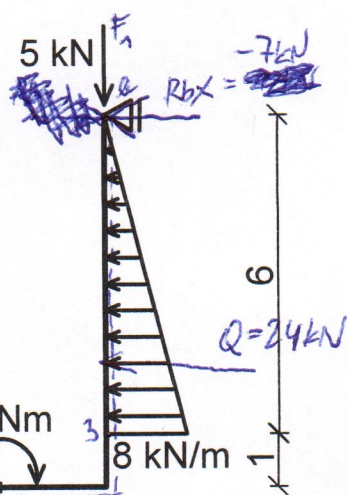
$$F_{2z} \cdot 2 - M - F_1 \cdot 5 + R_{bx} \cdot 7 + Q \cdot 3$$

$$R_{bx} = \frac{-F_{2z} \cdot 2 + M + F_1 \cdot 5 - Q \cdot 3}{7}$$

$$R_{bx} = -7 \text{ kN}$$



$$\frac{\frac{Q'}{6} \cdot x \cdot x}{\frac{2}{7}} = \frac{\frac{Q'}{12} x^2}{\frac{2}{3}} = \frac{2}{3} x^2$$



$$\alpha = 26,565^\circ$$

$$11,18 \text{ kN}$$

$$F_{2z} = 5 \text{ kN}$$

$$F_{2x} = 10 \text{ kN}$$

$$R_{bx} = -7 \text{ kN}$$

$$R_{bz}$$

$$8 \text{ kN/m}$$

$$8 \text{ kN/m}$$

$$2$$

$$3$$

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