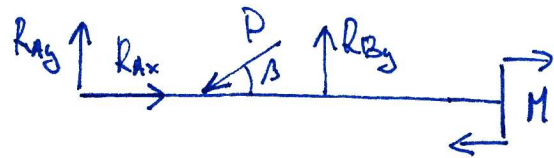


1) Reakce



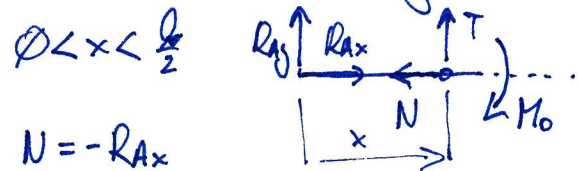
$$x: R_{Ax} - P \cdot \cos \beta = 0$$

$$y: R_{Ay} - P \cdot \sin \beta + R_{By} = 0$$

$$M_A: -P \cdot \sin \beta \cdot \frac{l}{2} + R_{By} \cdot l - M = 0$$

$$\rightarrow R_{Ax}, R_{Ay}, R_{By}$$

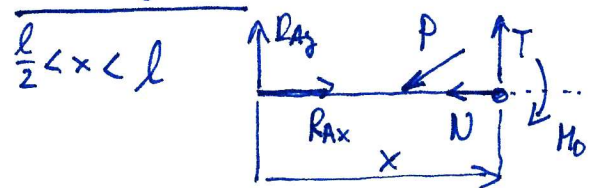
2) Vnitřní silové účinky



$$N = -R_{Ax}$$

$$T = R_{Ay}$$

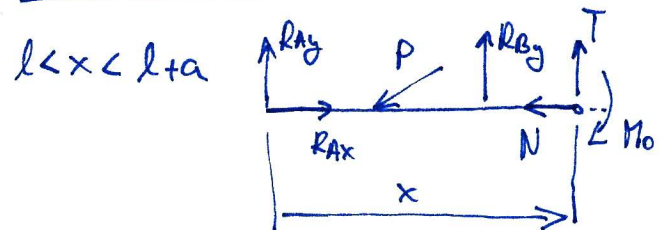
$$M_0 = R_{Ay} \cdot x$$



$$N = -R_{Ax} + P \cdot \cos \beta (=0)$$

$$T = R_{Ay} - P \cdot \sin \beta$$

$$M_0 = R_{Ay} \cdot x - P \cdot \sin \beta \left(x - \frac{l}{2}\right)$$



$$N = -R_{Ax} + P \cdot \cos \beta (=0)$$

$$T = R_{Ay} - P \cdot \sin \beta + R_{By} (=0)$$

$$M_0 = R_{Ay} \cdot x - P \cdot \sin \beta \left(x - \frac{l}{2}\right) + R_{By} (x-l) =$$

$$= \underbrace{(R_{Ay} - P \cdot \sin \beta + R_{By})}_{0} x + \underbrace{P \cdot \sin \beta \cdot \frac{l}{2} - R_{By} \cdot l}_{-M}$$