

$$R_{Ax} = 0$$

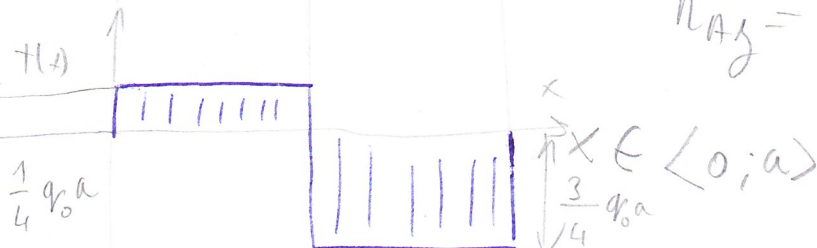
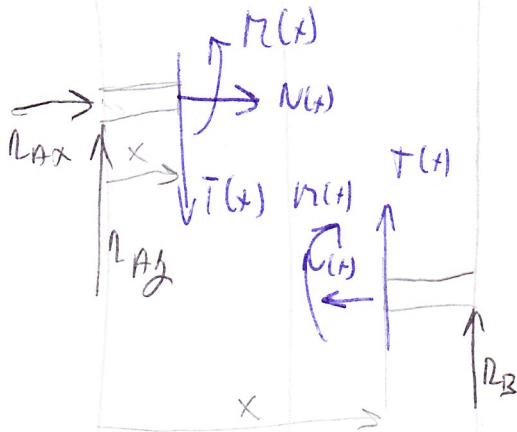
$$R_{Ay} + R_B = q_0 a$$

$$\sum \overset{\curvearrowright}{M} = q_0 a \left(a + \frac{a}{2} \right) - R_B 2a = 0$$

$$\frac{3}{2} q_0 a^2 - R_B 2a = 0$$

$$R_B = \frac{3}{4} q_0 a$$

$$R_{Ay} = q_0 a - \frac{3}{4} q_0 a = \frac{q_0 a}{4}$$



$$N(x) = -R_{Ax} = 0$$

$$T(x) = R_{Ay} = \frac{q_0 a}{4} \quad (\text{konst})$$

$$M(x) = R_{Ay} \cdot x = \frac{q_0 a}{4} x \quad \begin{matrix} h(0) = 0 \\ h(a) = \frac{q_0 a^2}{4} \end{matrix}$$

$$x \in [a; 2a)$$

$$N(x) = 0$$

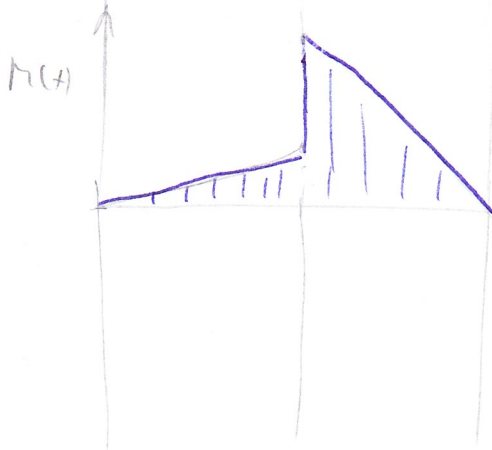
$$T(x) = -R_B = -\frac{3}{4} q_0 a \quad (\text{konst})$$

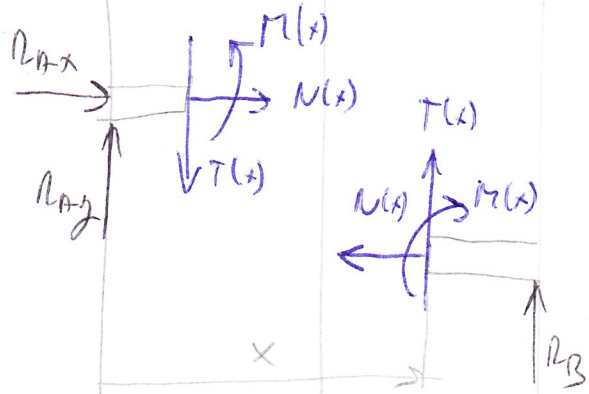
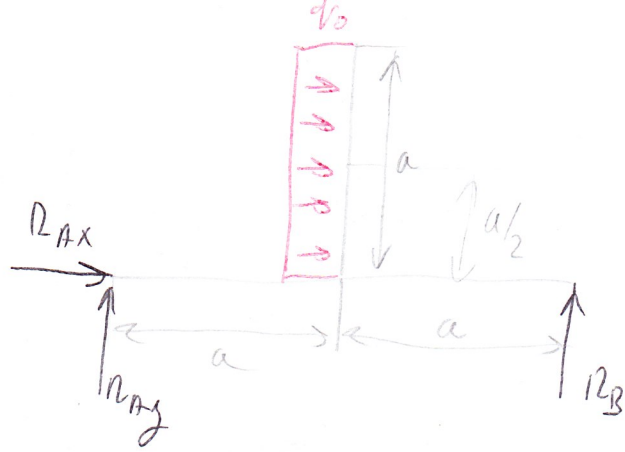
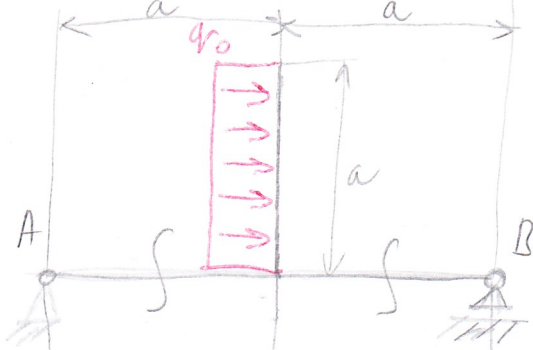
$$M(x) = R_B (2a - x) = \frac{3}{4} q_0 a (2a - x) =$$

$$= \frac{3}{2} q_0 a^2 - \frac{3}{4} q_0 a x$$

$$M(a) = \frac{3}{4} q_0 a^2$$

$$M(2a) = 0$$





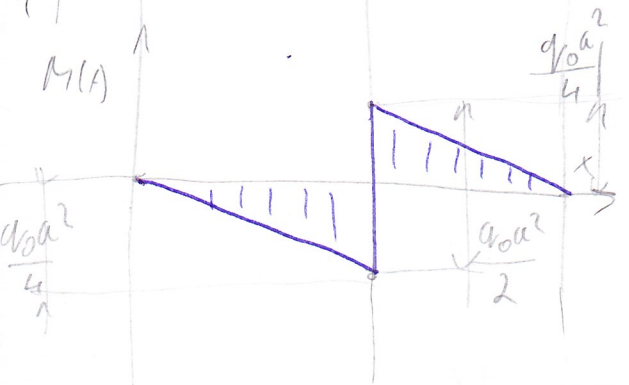
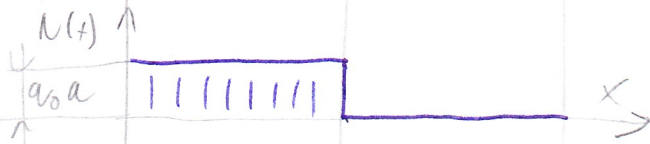
$$\rightarrow x: R_{Ax} + q_0 \cdot a = 0 \Rightarrow R_{Ax} = -q_0 a$$

$$\uparrow y: R_{Ay} + R_B = 0$$

$$\curvearrow A: q_0 \cdot a \cdot \frac{a}{2} - R_B \cdot 2a = 0$$

$$\Rightarrow R_B = \frac{q_0 a}{4}$$

$$R_{Ay} = -R_B = -\frac{q_0 a}{4}$$



$x \in [0; a]$

$$N(x) + R_{Ax} = 0 \Rightarrow N(x) = -R_{Ax} = +q_0 a \text{ (konst.)}$$

$$T(x) - R_{Ay} = 0 \Rightarrow T(x) = R_{Ay} = -\frac{q_0 a}{4} \text{ (konst.)}$$

$$M(x) - R_{Ay} \cdot x = 0 \Rightarrow M(x) = R_{Ay} \cdot x$$

$$\Rightarrow M(x) = -\frac{q_0 a}{4} \cdot x \text{ (LIN. FCE)}$$

KRASNI KOORDINATY

$x \in [a; 2a]$

$$\Rightarrow M(0) = 0 \quad M(a) = -\frac{q_0 a^2}{4}$$

$$N(x) = 0$$

$$T(x) + R_B = 0 \Rightarrow T(x) = -R_B = -\frac{q_0 a}{4} \text{ (konst.)}$$

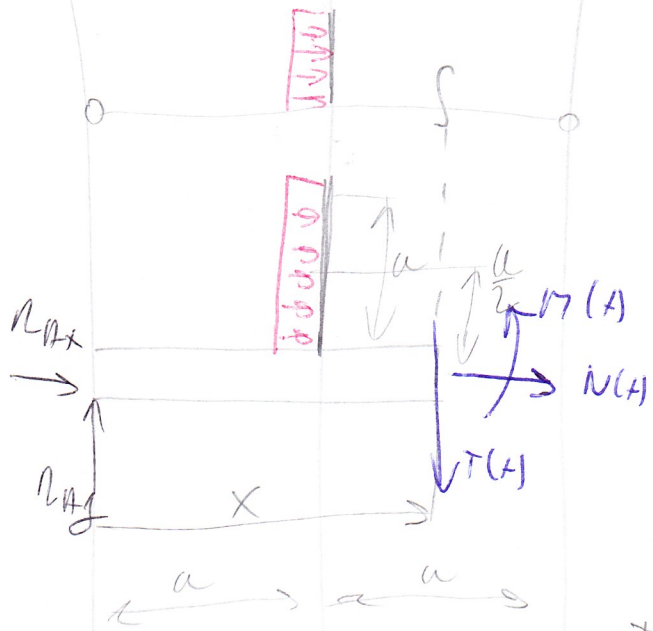
$$M(x) - R_B \cdot (2a - x) = 0 \Rightarrow$$

$$\Rightarrow M(x) = R_B \cdot 2a - R_B x = \frac{q_0 a}{2} - \frac{q_0 a}{4} x \text{ (LIN. FCE)}$$

$$M(a) = \frac{q_0 a^2}{4}$$

$$M(2a) = 0$$

2. NEZ 2 DRAHIE STANBY



$$N(x) + N_{Ax} + q_0 a = 0 \Rightarrow$$

$$\Rightarrow N(x) = -N_{Ax} - q_0 a =$$

$$= -(-q_0 a) - q_0 a = 0$$

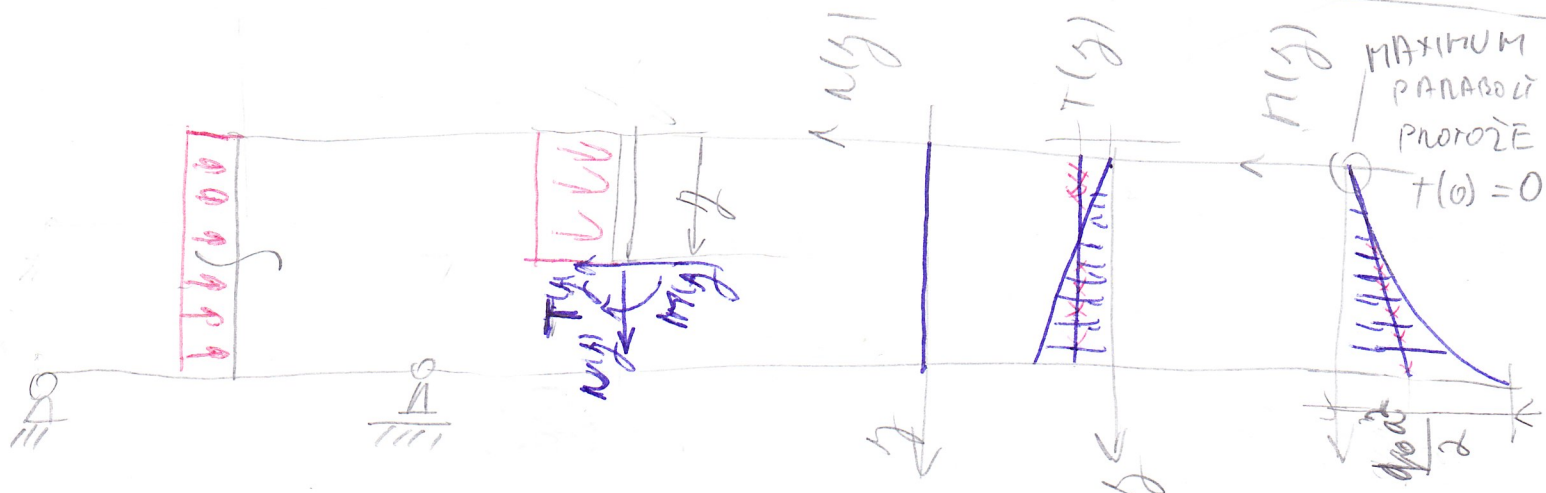
$$T(x) - N_{Ay} = 0 \Rightarrow T(x) = N_{Ay} = -\frac{q_0 a}{4}$$

$$M(x) - N_{Ay} \cdot x - q_0 a \cdot \frac{a}{2} = 0 \Rightarrow$$

$$\Rightarrow M(x) = N_{Ay} \cdot x + \frac{q_0 a^2}{2} =$$

$$= \frac{q_0 a^2}{2} - \frac{q_0 a}{4} \cdot x$$

DOSTRANEVIE STIŽI NE
FUNKCE



$$N(y) = 0$$

$$T(y) - q_0 y = 0 \Rightarrow T(y) = q_0 y \text{ (konst.)}$$

$$M(y) + q_0 z \cdot \frac{z}{2} = 0 \Rightarrow$$

$$M(y) = -q_0 \frac{z^2}{2}$$

$$\begin{aligned} M(0) &= 0 \text{ (PARABOLA)} \\ M(l) &= -\frac{q_0 l^2}{2} \text{ 2. St.} \end{aligned}$$