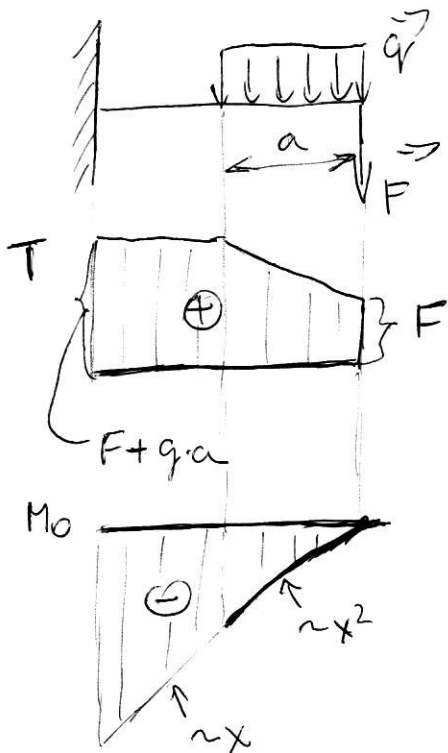
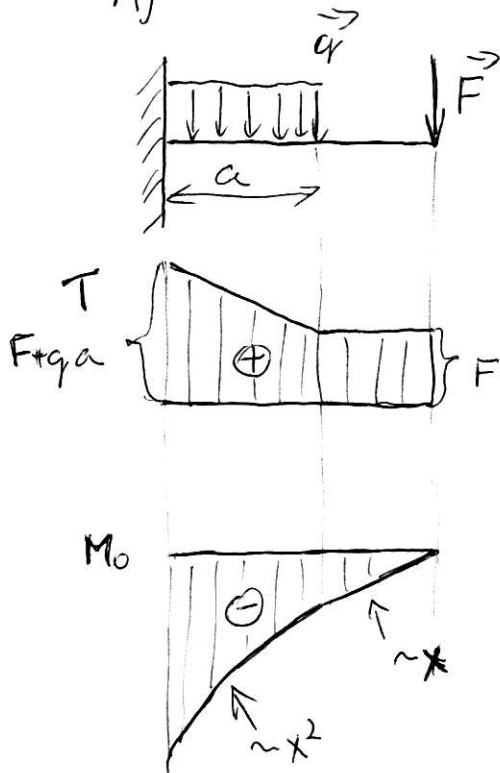


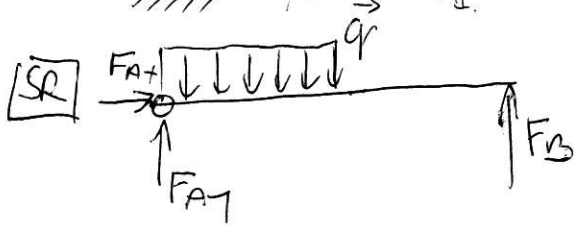
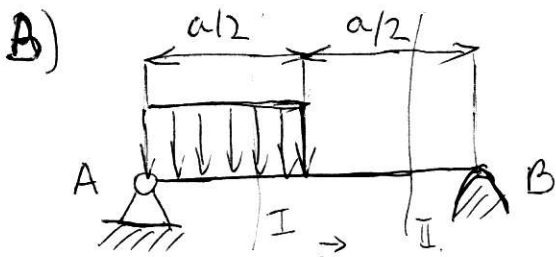
VVVÜ

B)



A)





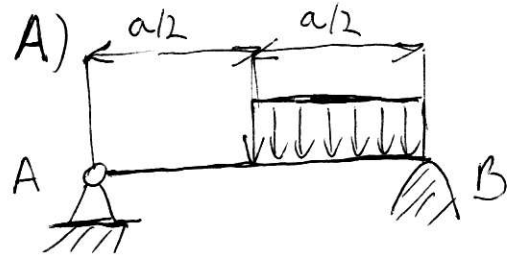
$$\sum F_x: F_{Ax} = 0$$

$$\sum F_y: F_{Ay} + F_B - q \cdot a = 0$$

$$\sum M_A: q \cdot \frac{a}{2} \cdot \frac{a}{4} - F_B \cdot a = 0$$

$$F_B = q \cdot \frac{a}{8}$$

$$\begin{aligned} F_{Ay} &= q \cdot a - F_B = \\ &= q \cdot a - q \cdot \frac{a}{8} = \\ &= \frac{7}{8} qa \end{aligned}$$



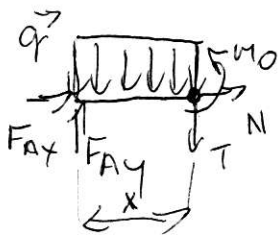
var. A)

$$F_{Ax} = 0$$

$$F_{Ay} = \frac{1}{8} qa$$

$$F_B = \frac{3}{8} qa$$

I.  $0 \leq x < \frac{a}{2}$

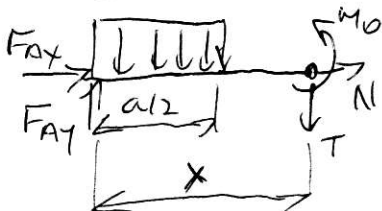


$$N = -F_{Ax} = 0$$

$$T = F_{Ay} - q \cdot x$$

$$M_0 = F_{Ay} \cdot x - q \cdot \frac{x^2}{2}$$

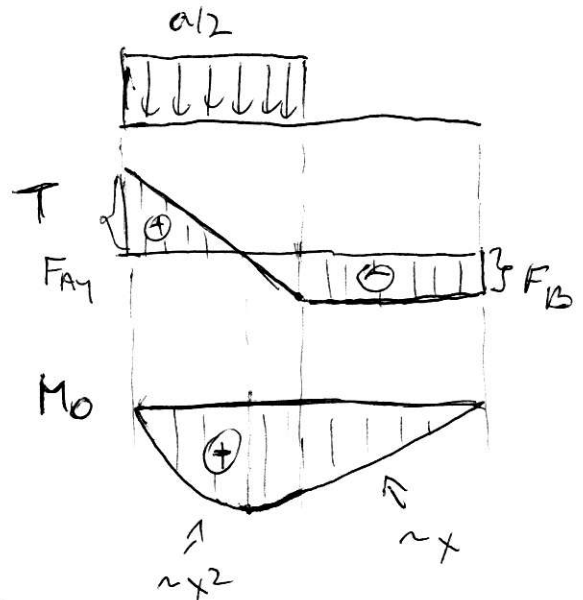
II.  $\frac{a}{2} \leq x < a$



$$N = -F_{Ax} = 0$$

$$T = F_{Ay} - q \cdot \frac{a}{2}$$

$$M_0 = F_{Ay} \cdot x - q \cdot \frac{a}{2} \cdot \left(x - \frac{a}{4}\right)$$



Pozn.: Pro variantu A je VÚ označena podle svislé osy procházející bodem  $a/2$ .