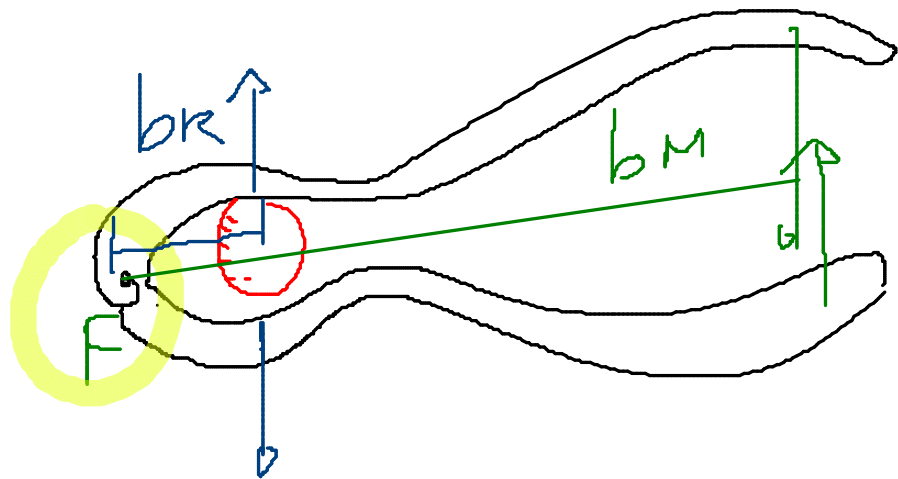
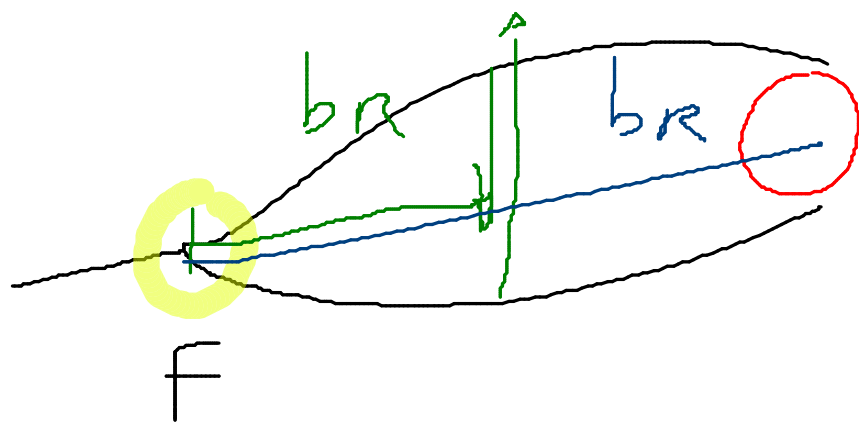


$$F_M b_M = F_R b_R$$

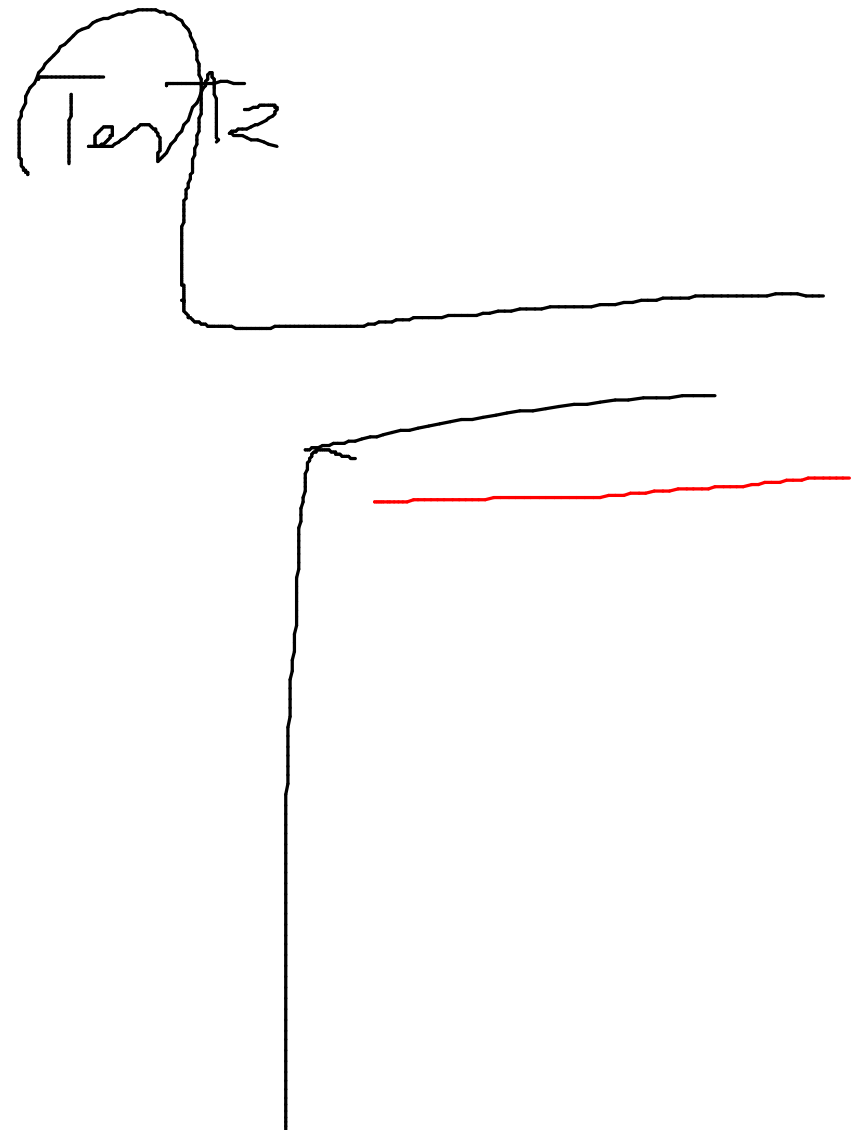
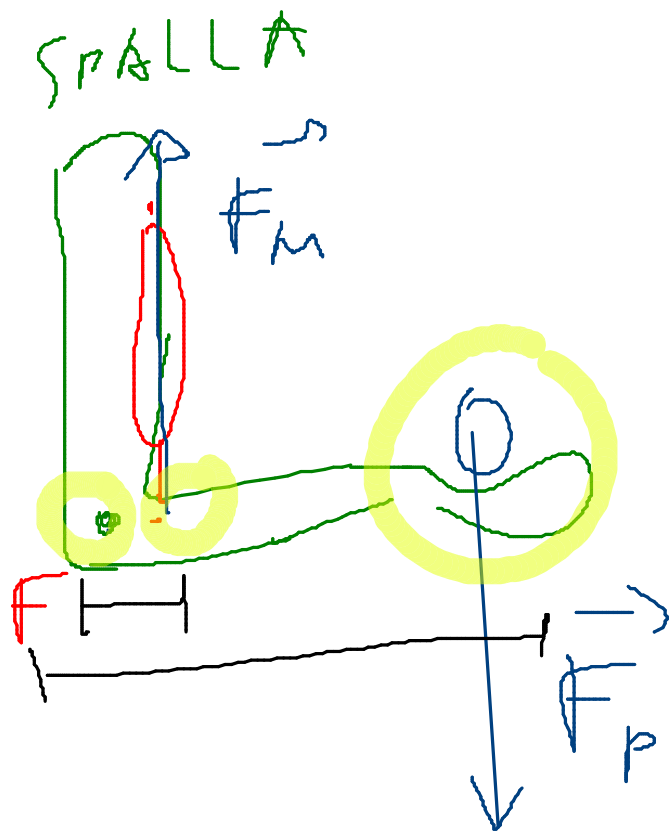
$$\underline{F_M} \geq F_R \frac{b_R}{b_M}$$

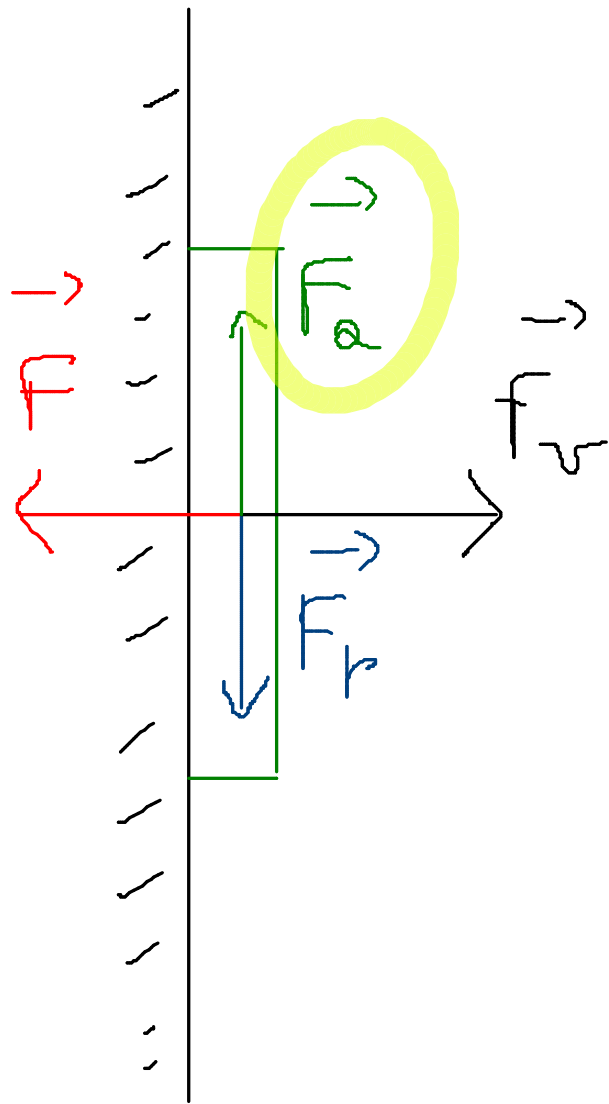


$$b_R < b_M$$



$$b_R > b_M$$





$$F_r = m g$$

μ_s

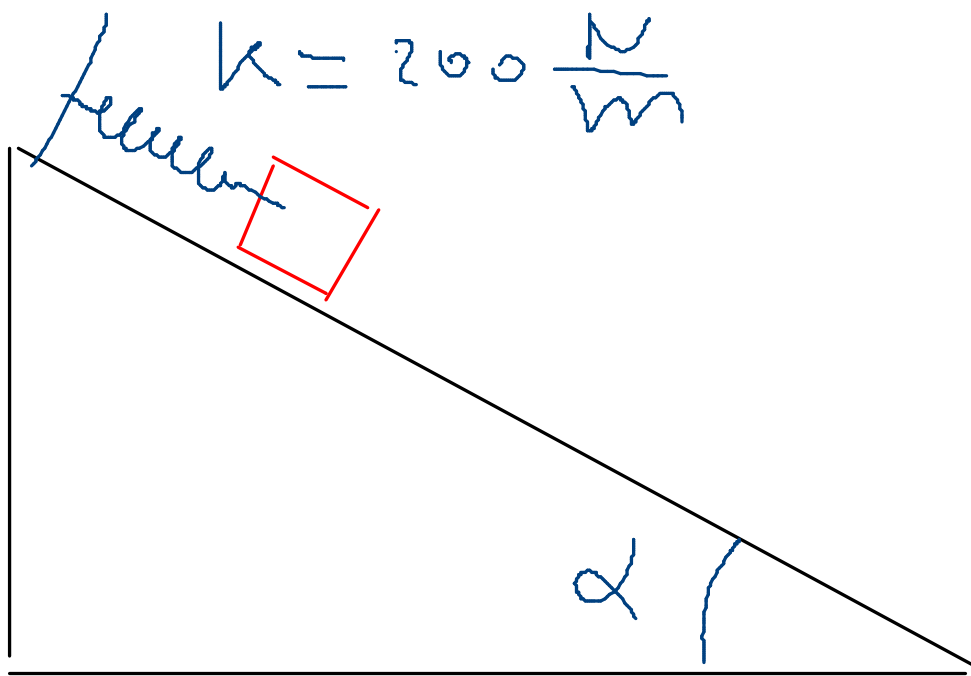
$$F_{\max} = \mu_s F_{\perp}$$

$$f_{\perp} = \frac{F_a}{\mu_s} = \frac{m g}{\mu_s}$$

$$m = 10 \text{ kg}$$

$$\mu_s = 0,8$$

$$F_1 \geq \frac{10 \text{ kg} \cdot 9,8 \frac{\text{N}}{\text{kg}}}{0,8} = 122,5 \text{ N} \\ \approx 120 \text{ N}$$



$$m = 2,0 \text{ kg}$$

$$\alpha = ?$$

max

$$\mu_s = 0,75$$

$$\alpha = 2 \alpha_{\text{max}}$$

$$\Delta x = ?$$

250 h 6
Erwartung 251 h 9