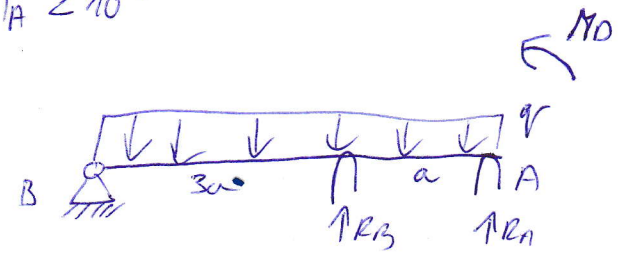
2

$k_k = 2$ $\quad a = 400\,mm$ $\quad R_e = 230$

S 230 $\quad R = 3\,mm$ $\quad \tau_{MAX_D} = \frac{R_e}{2k} = 115\,MPa$

$d = 30\,mm$

$\eta_A < 10^{-3}$



$i = 3 - 2 - 1 - 1 = -1$ $\quad$ 1 SN

$a_r = ?$

$R_A = ?$ $\quad = 3$ Reakce

$R_B = ?$

1. $M_B = 0 = R_A \cdot 4a + R_B \cdot 3a - q \cdot 4a \cdot \frac{4a}{2}$

$$R_B = \frac{q \cdot 8a^2 - R_A \cdot 4a}{3a}$$

$x \in \langle 0, a)$ $\quad x \in \langle 0, 3a)$

$M_{O1} = M_O + R_A \cdot x - q \cdot \frac{x^2}{2}$ $\quad M_{O2} = R_A \cdot (a+x) + M_O - q\left(\frac{3}{2}a + x\right) \cdot \frac{a+x}{2}$

$\frac{\partial M_{O1}}{\partial R_A} =$

$\frac{\partial M_{O1}}{\partial M_O} =$ PATICKÁ

$v_A = 0$

$\varphi_A = -10^{-3}$