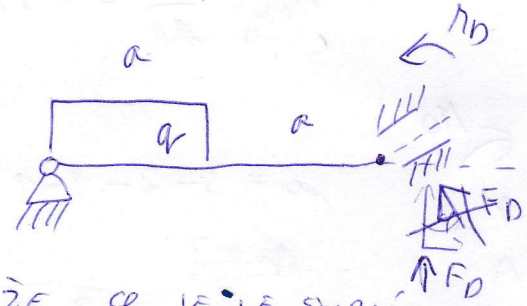
5)

$k_g = 2$, MAT 11 520, $\varphi = 10^{-3}$, $a = 800$ mm,

$b = 30$ mm, $h = 60$ mm



PRETPOSTAVLJAM DA φ_B JE U SMJERU KAZALJKE SATA

$x \in (0, a)$ $\quad$ $x \in (0, a)$

$M_{O1} = F_D \cdot x + M_D$ $\quad$ $M_{O2} = F_D \cdot (x + a) + M_D - q \cdot x \cdot \frac{x}{2}$

$\frac{dM_{O1}}{dM_D} = 1$ $\quad$ $\frac{dM_{O2}}{dM_D} = 1$ $\quad$ $\varphi_{M_D} = \cdot 10^{-3}$

$\frac{dM_{O1}}{dF_D} = x$ $\quad$ $\frac{dM_{O2}}{dF_D} = x + a$ $\quad$ $w_{F_D} = 0$

$M_D =$

$F_D =$