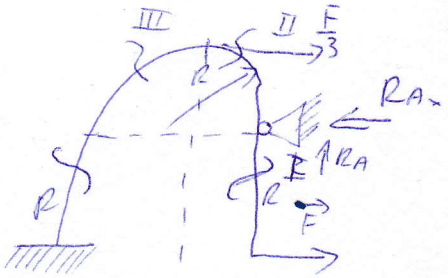
6) $k_k = 2$ $F = ?$

$R = 480\ mm$

$d = 30\ mm$

S 250 $R_e = 250\ MPa$

$i = 3 - 3 - 2 = -2$ 2SN



I $x \in \langle 0, R \rangle$

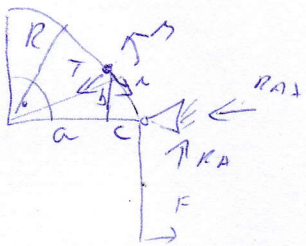
$M_{O1} = F \cdot x$

$\frac{\partial M_{O1}}{\partial R_{Ax}} =$

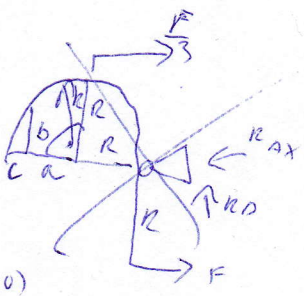
$\frac{\partial M_{O1}}{\partial R_A} =$

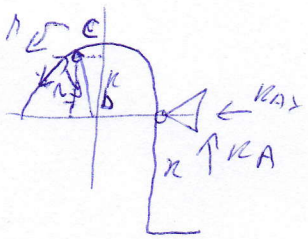
I $\alpha \in \langle 0, 90 \rangle$

$M_{O2} = F \cdot (R + \sin\alpha \cdot R) + R_{Ax} \cdot (R \cdot \sin\alpha) + R_A \cdot (R - R \cdot \cos\alpha)$



III

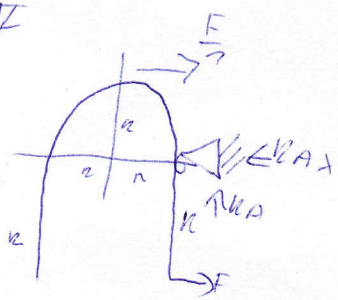




$\alpha \in \langle 0, 90 \rangle$

$M_{O3} = F \cdot (R + \cos\alpha \cdot R) + R_A \cdot (R + R \cdot \sin\alpha) - R_{Ax} \cdot (R \cdot \cos\alpha) - \frac{F}{3} \cdot (R - \cos\alpha \cdot R)$

IV



$x \in \langle 0, R \rangle$

$M_{O4} = F \cdot (R + x) + R_A \cdot 2R - R_A + R_{Ax} \cdot x - \frac{F}{3} \cdot (R + x)$