

3.

$$F = ?$$

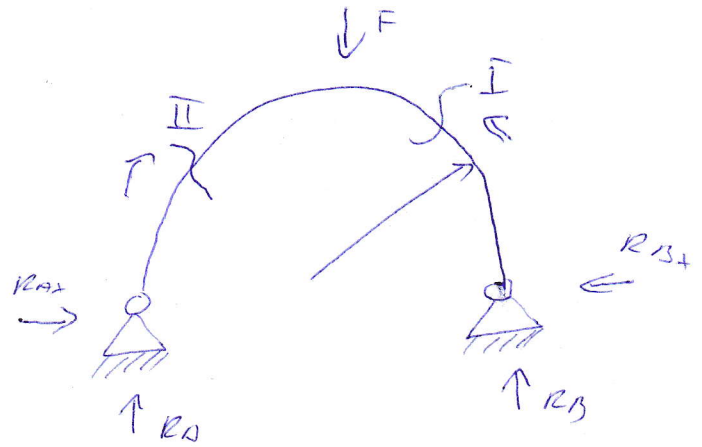
$$d = 30 \text{ m}$$

$$R = 600 \text{ mm}$$

$$M = 370 \quad R_L = 250$$

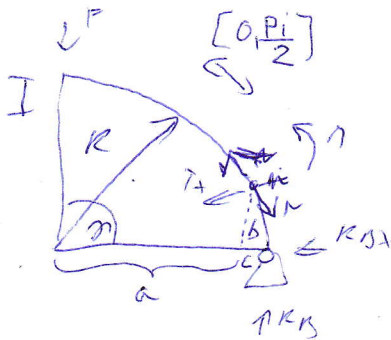
$$L_k = 2$$

$$\bar{F}_D = \frac{R_L}{L_k}$$



$$R_A = \frac{F}{2} \quad R_{Ax} = R_{Bx}$$

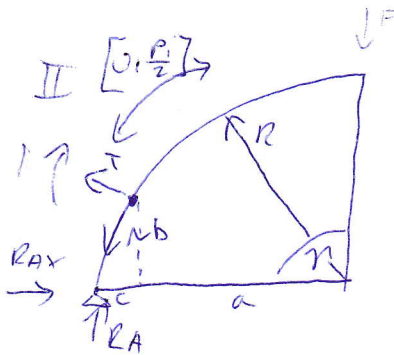
$$R_B = \frac{F}{2}$$



$$M_{01} = -R_{Bx} \cdot b + R_{By} \cdot c$$

$$M_{01} = -R_{Bx} \cdot (\sin \gamma \cdot R) + R_{By} \cdot (R - \cos \gamma \cdot R)$$

$$\frac{dM_{01}}{dR_{By}} =$$



$$M_{02} = -R_{Ax} \cdot b + R_{Ay} \cdot c$$

$$M_{02} = -R_{Ax} \cdot (\sin \gamma \cdot R) + R_{Ay} \cdot (R - \cos \gamma \cdot R)$$

$$\frac{dM_{02}}{dR_{By}} =$$