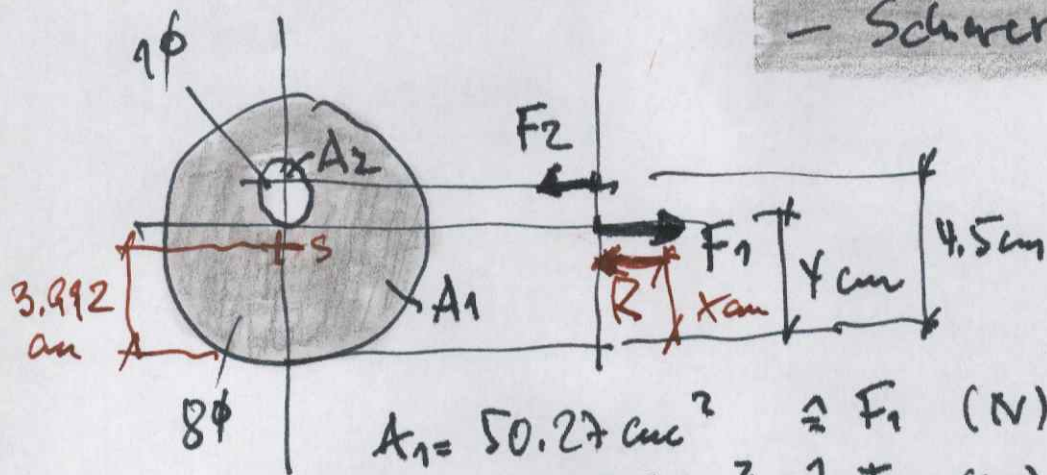


- Scherpunkt -



26.10.2022

Urteil vorbehalten

$$A_1 = 50.27 \text{ cm}^2 \hat{=} F_1 \text{ (N)}$$

$$A_2 = -0.785 \text{ cm}^2 \hat{=} F_2 \text{ (N)}$$

$$-F_2 \cdot 4.5 + F_1 \cdot 4 - R \cdot x = 0$$

$$x = \frac{4F_1 - 4.5F_2}{R}$$

$$R = F_1 - F_2$$

$$= 50.27 - 0.785$$

$$= 49.485 \text{ N}$$

$$x = \frac{4 \cdot 50.27 - 4.5 \cdot 0.785}{49.485} = 3.992 \text{ cm}$$