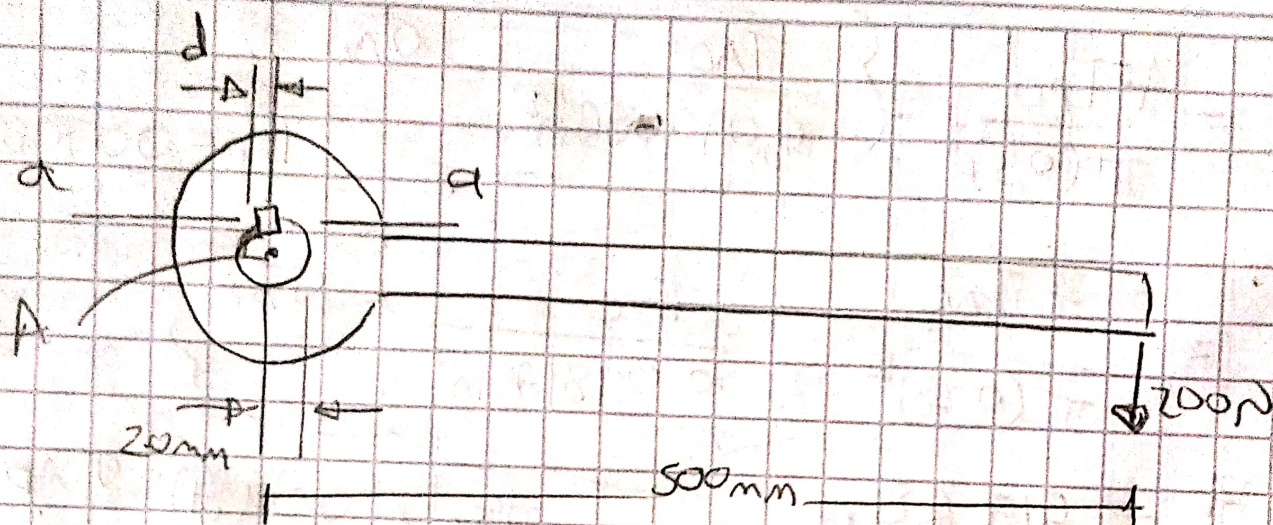


(2)



$$d = ?$$

$$\sigma_{perm} = 35 \text{ MPa}$$

$$\sigma_{perm} = \frac{Fd}{Ad} = \frac{Fd}{d \cdot 0,025}$$

$$\sigma_{perm} = \frac{Fd}{d \cdot 0,025}$$

$$d = \frac{5000}{0,025(35 \text{ MPa})} = 0,00571 \text{ m} = 5,71 \text{ mm}$$

Palanca.

$$200 \text{ N} (0,5 \text{ m}) = Fd (0,02 \text{ m})$$

$$Fd = \frac{200 \text{ N} (0,5 \text{ m})}{0,02 \text{ m}} = 5000 \text{ N}$$