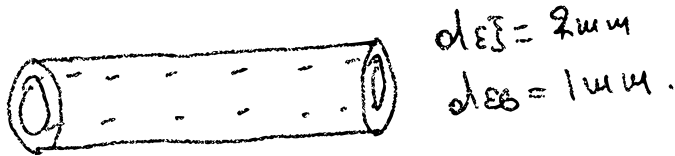
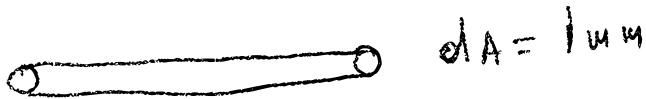


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$$R_A = p \cdot \frac{l}{S_A} = p \cdot \frac{l}{\pi \left(\frac{d_A}{2}\right)^2} \Rightarrow R_A = p \cdot \frac{l}{3,14 \times \left(\frac{1 \times 10^{-3}}{2}\right)^2}$$

$$\Rightarrow R_A = p \cdot \frac{l}{7,85 \times 10^{-7} \text{ m}^2}$$

$$\textcircled{B} \quad S_B = S_{EF} - S_{EB} \Rightarrow S_B = \pi \left(\frac{d_{EF}}{2}\right)^2 - \pi \left(\frac{d_{EB}}{2}\right)^2 \Rightarrow$$

$$\Rightarrow S_B = \pi \left[1 \times 10^{-6} \text{ m}^2 - 0,25 \times 10^{-6} \text{ m}^2 \right] \Rightarrow$$

$$\Rightarrow S_B = 2,355 \times 10^{-6} \text{ m}^2 \quad R_B = p \cdot \frac{l}{2,355 \times 10^{-6} \text{ m}^2}$$

$$\frac{R_A}{R_B} = \frac{p \cdot \frac{l}{7,85 \times 10^{-7} \text{ m}^2}}{p \cdot \frac{l}{2,355 \times 10^{-6} \text{ m}^2}} \Rightarrow \frac{R_A}{R_B} = \frac{2,355 \times 10^{-6} \text{ m}^2}{7,85 \times 10^{-7} \text{ m}^2} \Rightarrow$$

$$\Rightarrow \frac{R_A}{R_B} = \frac{0,127 \times 10^7}{0,425 \times 10^8} \Rightarrow \frac{R_A}{R_B} = 3$$