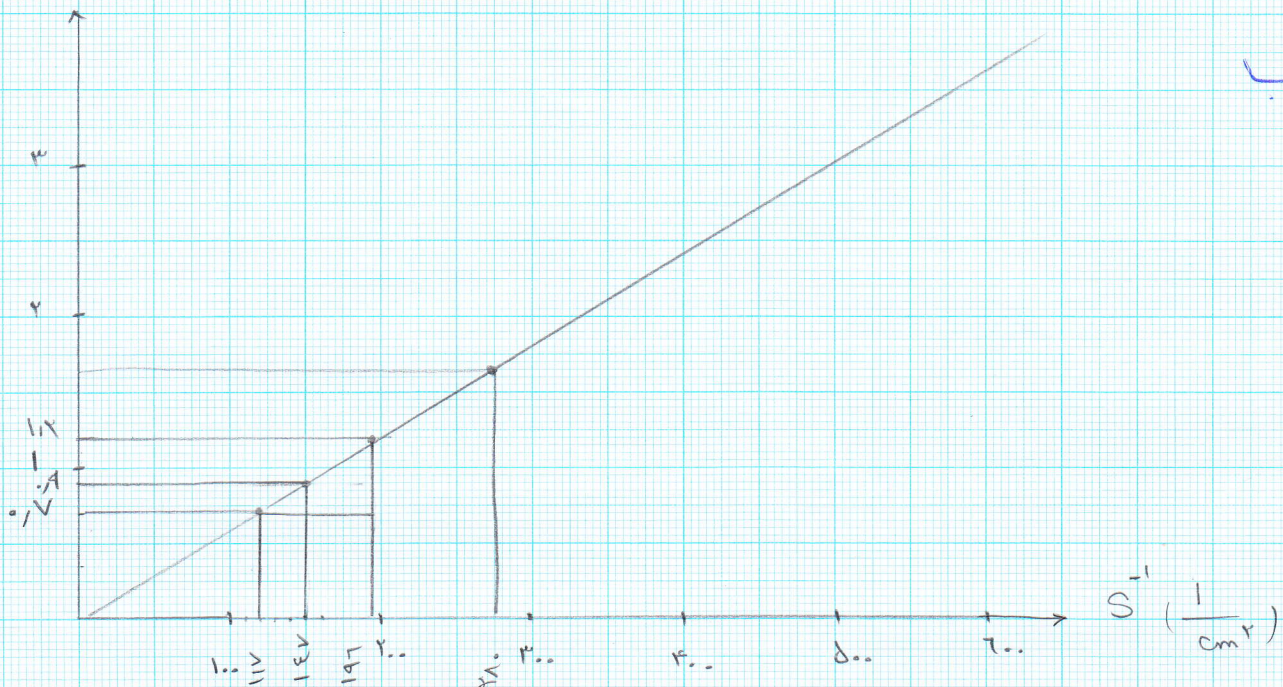


$R(\Omega)$



مساحة
مقلوب
 S^{-1}

$$\tan \theta = \frac{\Delta R}{\Delta S^{-1}} = \frac{1.1 - 0.1}{197 - 11} = \frac{1.0}{186} \approx 5.38 \times 10^{-3} \frac{\Omega}{\text{cm}^{-2}}$$

$$R = \rho \frac{l}{S} \sim R = \rho l S^{-1} \Rightarrow \tan \theta = \rho l$$

$$\rightarrow \rho = \frac{\tan \theta}{l} = \frac{5.38 \times 10^{-3} \Omega \text{cm}^{-2}}{1.0 \text{ cm}} = 5.38 \times 10^{-3} \Omega \cdot \text{cm}$$