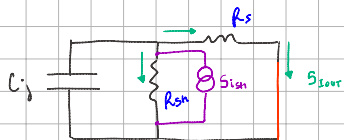
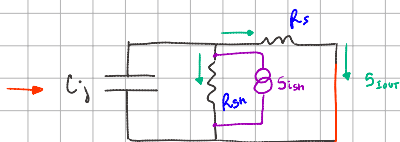


I choose to Lying Flat

Daily Reminder



beautiful things happen
when you do the work to reprogram
that negative voice in your head



Then we implement a current divider $I_{out} = I_{sh}$

$$I_{out} = I_{sh} \cdot \frac{\frac{1}{R_s}}{\frac{1}{R_s} + \frac{1}{R_{sh}}} \rightarrow I_{out} = I_{sh} \cdot \frac{1}{\cancel{R_s} \left(\frac{R_{sh} + R_s}{R_s \cdot R_{sh}} \right)}$$

$$I_{out} = I_{sh} \cdot \frac{R_{sh}}{R_{sh} + R_s} \quad \text{Since we're working with powers TF2}$$

$$I_{out} = I_{sh} \cdot \left(\frac{R_{sh}}{R_{sh} + R_s} \right)^2$$



$$S_{sour} = S_{Ips} - \left(\frac{R_s}{R_s + R_{sh}} \right)^2$$

This time is the contribution of R_{sh} that goes to the output