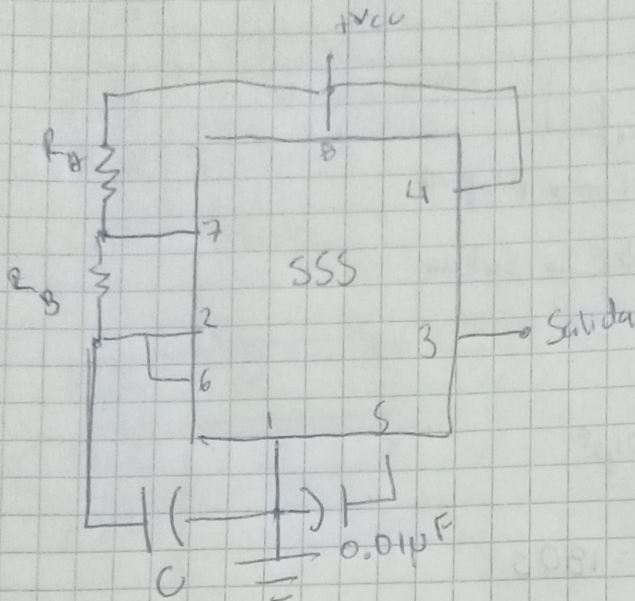


Actividad 2



$$T_{Apto} = 2T_{Bajo} \Rightarrow 0.693(R_A + R_B)C = 2(0.693R_B C)$$

$$\Rightarrow R_A + R_B = 2R_B$$

$$\Rightarrow \boxed{R_A = R_B}$$

$$T_{TOTAL} = 12s$$

$$C = 470 \mu F$$

$$T_{TOTAL} = 0.693(R_A + 2R_B)C = 0.693(3R_A)C \Rightarrow R_A = \frac{T_{TOTAL}}{0.693 \cdot 3 \cdot C}$$

$$R_A = \frac{12s}{0.693 \cdot 3 \cdot 470 \mu F} = 12280.86 \Omega = 12.28086 \text{ k}\Omega$$

$$R_B = R_A = 12.28086 \text{ k}\Omega$$

$$F = \frac{1}{T_{TOTAL}} = \frac{1}{12s} = 0.08333 \text{ Hz} = 83.33 \text{ mHz}$$

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