

# Ejercicios Capacitancia

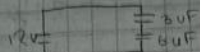
1r



$$C = 120 \mu F + 20 \mu F$$

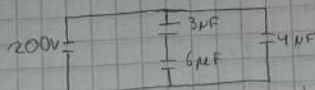
$$C = 140 \mu F$$

b)



$$C = \frac{1}{\frac{1}{3} + \frac{1}{6}} = 2 \mu F$$

2r



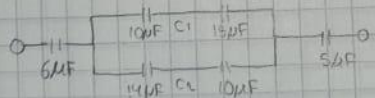
$$C = \frac{1}{\frac{1}{6 \mu F} + \frac{1}{3 \mu F} + \frac{1}{4 \mu F}}$$

$$C = 1.53 \mu F$$

3r

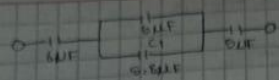


$$\left. \begin{array}{l} C_1 = 10 \mu F \\ C_2 = 10 \mu F \\ C_3 = 14 \mu F \\ C_4 = 10 \mu F \end{array} \right\} \text{Paralelos}$$

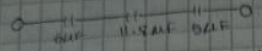


$$C_1 = \frac{10 \times 10}{10 + 10} = 5 \mu F$$

$$C_2 = \frac{14 \times 10}{14 + 10} = 5.8 \mu F$$



$$C_1 = 6 + 5.3 = 11.3 \mu F$$



$$C = \frac{1}{\frac{1}{6} + \frac{1}{11.3} + \frac{1}{5}} = 2.21 \mu F$$