C

Si Y_1 e Y_2 son induc

$$Y_T = Y_1 + Y_2$$

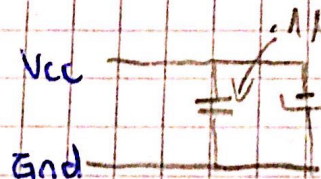
$$Y_T = \frac{-j}{\omega L_1} + \frac{-j}{\omega L_2}$$

$$Y_T = \frac{-j}{\omega} \cdot \left(\frac{1}{L_1} + \frac{1}{L_2}\right)$$

$$Y_T = \frac{-j}{\omega} \left(\frac{L_1 + L_2}{L_1 \cdot L_2}\right)$$

$$Y_T = \frac{-j}{\omega \cdot \frac{L_2 \cdot L_1}{L_1 + L_2}}$$

$$Y_T = \frac{-j}{\omega \cdot L_{eq}} \qquad L_{eq} = \frac{L_1 \cdot L_2}{L_1 + L_2}$$



$C_{eq} = 10.1\ \mu F$

↳ baja frecuencia (variaciones lentas)
↳ electrolíticos

cerámicos
↳ Alta frecuencia