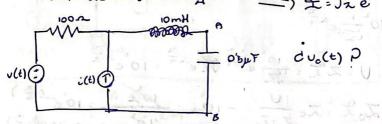
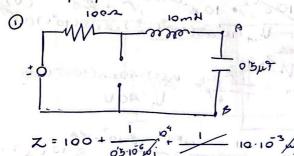
Ejercicios: Circuitos Correiente Altorna

22. - u(t) = J2 cos(104+ =) U =) U= J2e = i(t) = J2 cos(2101+ =) mA =) x=J2e =]

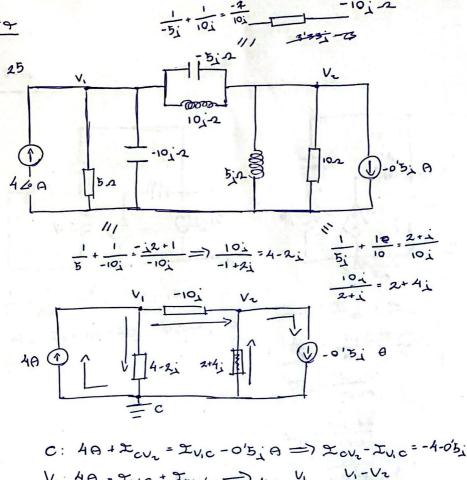


Por superposición:

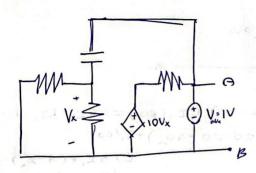


$$Z = \frac{1}{100} + \frac{1}{Z_{c} + Z_{h}} = \frac{1}{100} + \frac{1}{100} = \frac{1}{100} \cdot \frac{1}{100} = \frac{1}{100} \cdot (1-\lambda)$$

$$*Z_{c} + Z_{h} = \frac{1}{100} \cdot \frac{1}{100} + \frac{1}{100} \cdot \frac{1}{100} = \frac{1}{100} \cdot \frac{1}{100} \cdot \frac{1}{100} = \frac{1}{100} = \frac{1}{100} \cdot \frac{1}{100} = \frac{1}{100} = \frac{1}{100} \cdot \frac{1}{100} = \frac$$



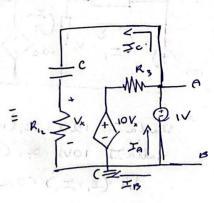
C:
$$A \cap A + \sum_{C \setminus V_1} = \sum_{V_1 \setminus C} - 0'5_1 \cap A = \sum_{C \setminus V_2} - \sum_{U_1 \setminus C} = -4 - 05$$
 $V_1 : A \cap A = \sum_{V_1 \setminus C} + \sum_{U_1 \setminus V_2} = \sum_{V_1 \setminus V_2} + \sum_{V_1 - V_2} + \sum_{V_1 - V_2} + \sum_{V_2 \setminus V_2} + \sum_{V_2$



$$\frac{1}{12} + \frac{1}{60} = \frac{6}{60} =) R_{12} = 10.2$$

$$R_{12} + Z_{c} = 10 - 40; = 10(1-4).2$$

(E. 101-4) E. W.



$$I_{A} + I_{B} = I_{C}$$

$$I_{B} = I_{OV} - V_{A}$$

$$I_{C} = \frac{V_{A} - V_{A}^{2}}{Z_{C} + R_{2}}$$

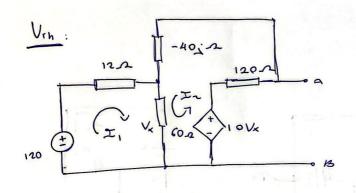
$$I_{C} = \frac{I_{OV} - V_{A}^{2}}{I_{2O}}$$

$$T_{c} = \frac{1}{10-40} A = 0'90588 + 0'92358 = 24'25e^{1'326} mA$$

$$V_{K} = T_{c} (R;R) = 0'842e^{1'826} V \Longrightarrow T_{B} = 20'16e^{1'326} mA$$

$$T_{A} = T_{c} - T_{B} = 4'09e^{1'526} mA \Longrightarrow \frac{1}{R_{Th}} = 4'09e^{1'526}$$

$$T_{C} = 89'9e^{10'326}$$



$$\begin{cases} 62_1 + 52_2 = 10 \\ 222_1 + (21+2_1)2_2 = 0 \end{cases}$$

$$6x_{1} + 5x_{2} = 10$$

$$6x_{1} + (18 - 4)x_{2} = 4x$$

$$54x_{1} + (42 + 4)x_{2} = 0$$

$$2x_{1} + (21 + 2)x_{2} = 0$$

$$54x_{1} + 8(21 + 2)x_{2} = 0$$

$$9(21 + 2)x_{2} - 45x_{2} = -90$$

$$(-3 + 2)x_{2} = -90$$

$$x_{2} = -\frac{90}{-5+2i}$$

Iz=20'EE +13'85;

X = -15/64 - 11/54)