

$$\frac{V_1}{V_2} = N \qquad (-\frac{T_2}{T_2}) = N$$

$$\frac{V_1}{V_2} = N \qquad (-\frac{T_2}{T_2}) = N$$

$$V_4 = V_2 \cdot A + (-T_2)B$$

$$I_4 = V_2 \cdot C + (-T_2)D$$

$$A = \frac{V_1}{V_2} \Big|_{(-T_2) = 0} = N$$

$$B = \frac{V_1}{(-T_2)} \Big|_{V_2 = 0} = \frac{1}{(-T_2)} = 0$$

$$C = \frac{T_1}{V_2} \Big|_{(-T_2) = 0} = \frac{1}{V_2} = 0$$

$$D = \frac{T_1}{(-T_2)} \Big|_{V_2 = 0} = \frac{1}{N}$$

b) 
$$T_1 = V_1 y_{11} + V_2 y_{12}$$
  
 $T_2 = V_1 y_{21} + V_2 y_{22}$   
 $A = V_1 = -y_{22}$ 

$$A = \begin{array}{c|c} V_1 & = & - & \gamma_{22} \\ \hline V_2 & P_{2} = o & & \gamma_{21} \end{array}$$

$$B = V_1 = -\frac{1}{\sqrt{2}}$$

$$(-I_2) V_2 = 0$$

$$C = \begin{array}{c|c} T_1 & = -\Delta Y \\ \hline V_2 & T_2 = 0 \end{array}$$

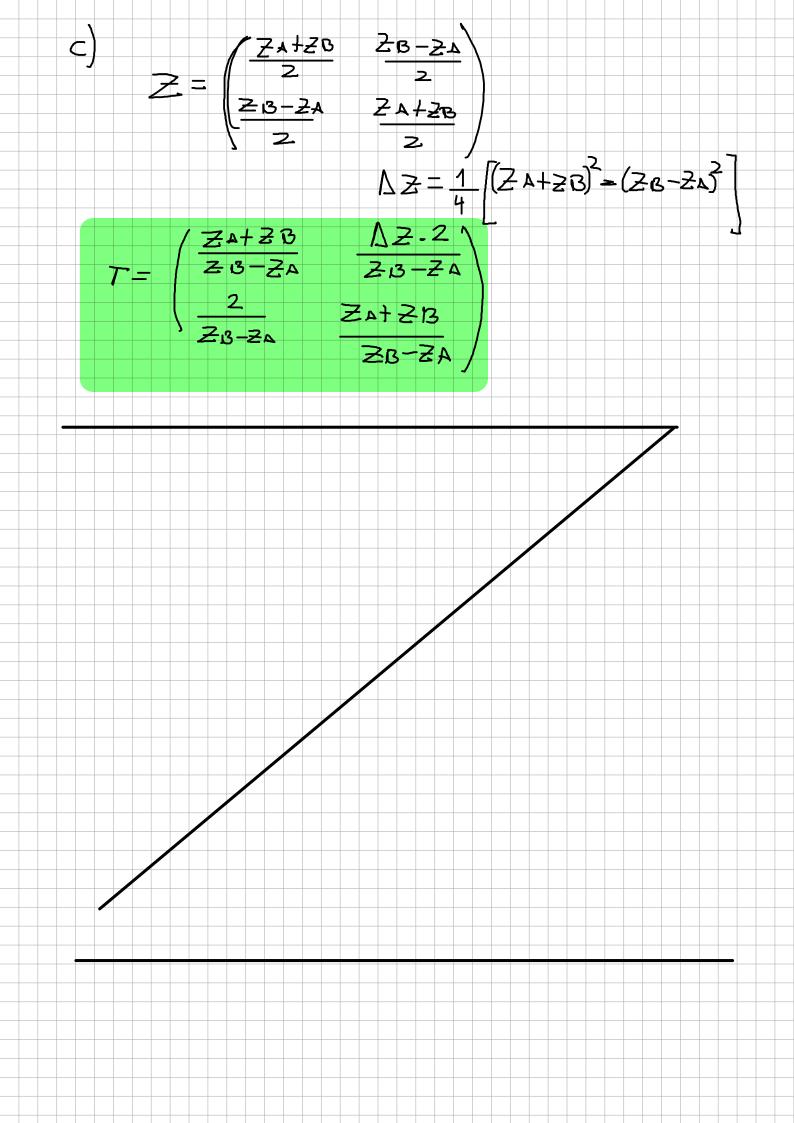
$$V_1 = -V_2 \frac{V_{22}}{V_{21}}$$

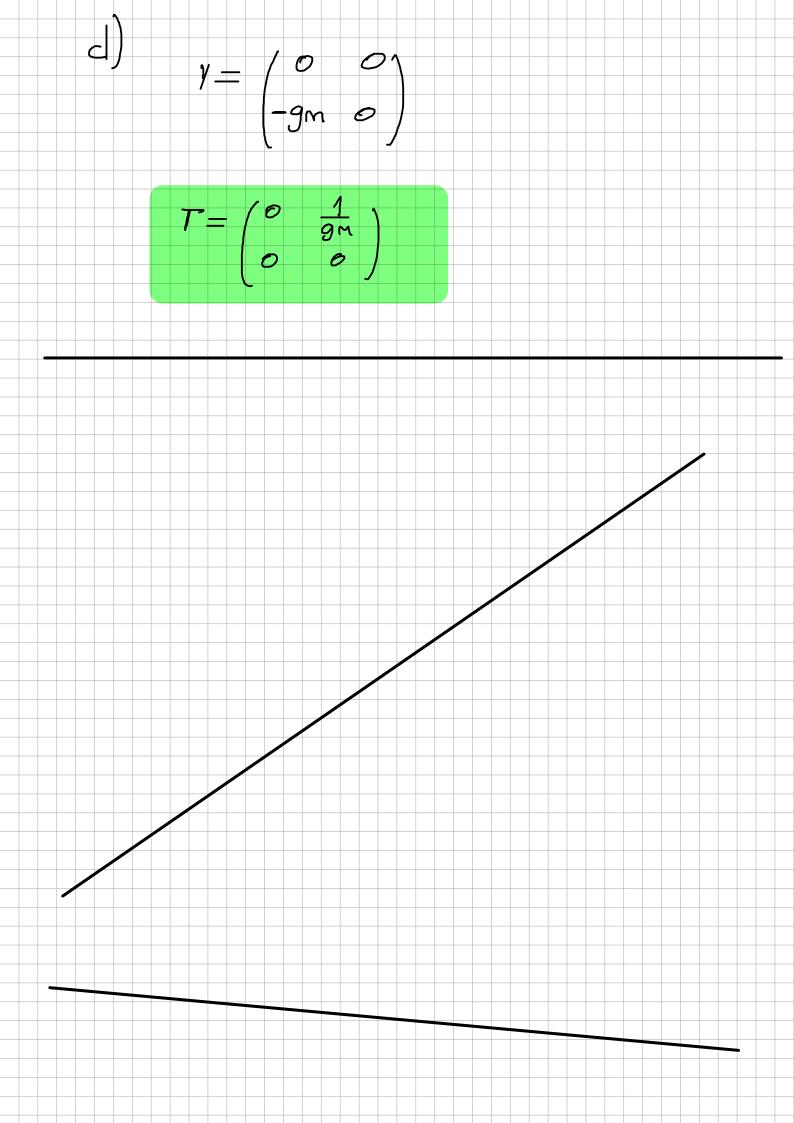
$$T_1 = V_2 \left( -\frac{y_{22}}{y_{21}} y_{11} + y_{12} \right) = -\frac{\Delta y}{y_{21}} V_2$$

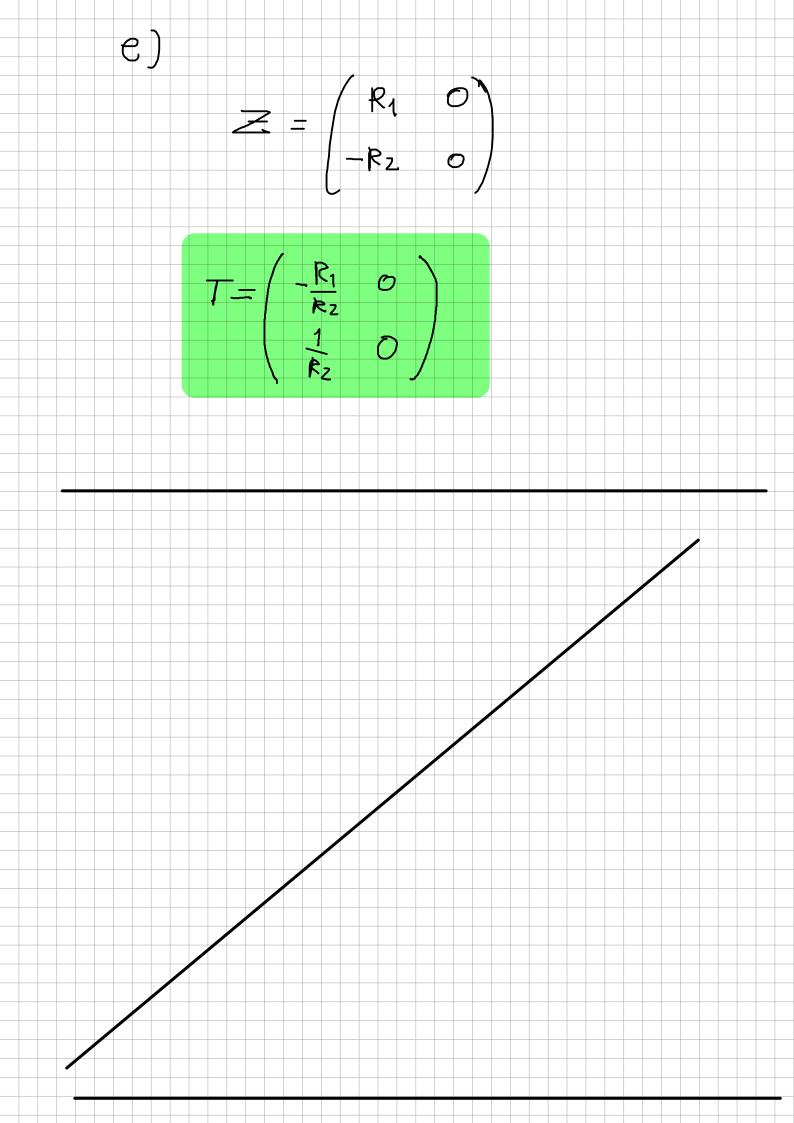
$$D = I_1 / = -Y_{11} / Y_{2-0} = Y_{2-1}$$

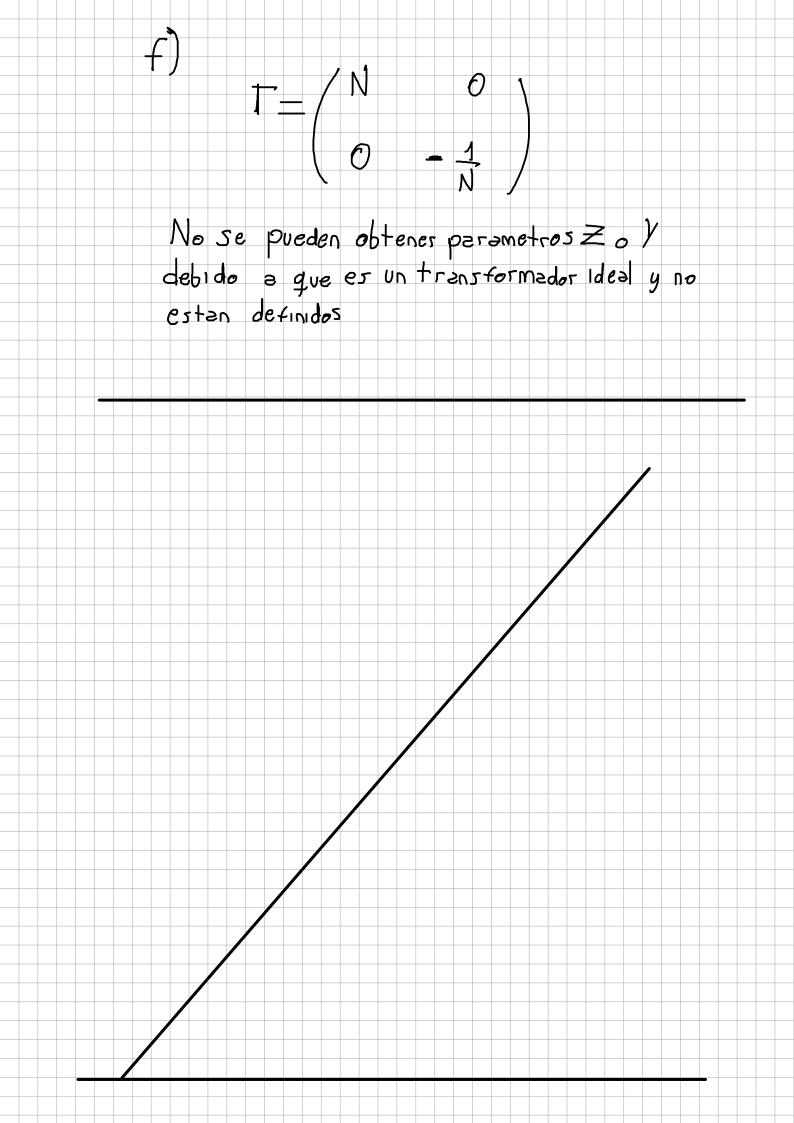
$$T = \begin{pmatrix} -(\gamma_A + \gamma_C) & -1 \\ -\Delta \gamma & -(\gamma_A + \gamma_B) \end{pmatrix} \cdot -\frac{1}{\gamma_C}$$

$$\Delta Y = (YA + YC)(YA + YB) - YC^{2}$$









130nus 1.

Calcular los parámetros ABCD del tramo de línea de transmisión normalizada (R, G, C y L unitatios)

$$V_1 = A_1 V_2 + (-\Gamma_2) B_1$$

$$A = \frac{V_1}{V_2} = 1$$

$$31 = \frac{V_1}{(-I_2)}|_{V_2=0} = sL+R$$

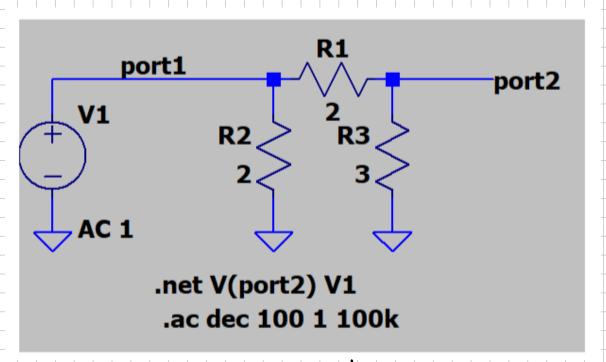
$$C_1 = \begin{array}{c|c} I_1 & = 0 \\ V_2 & (-I_2 = a) \end{array}$$

$$D_1 = \underline{T_1} = 1$$

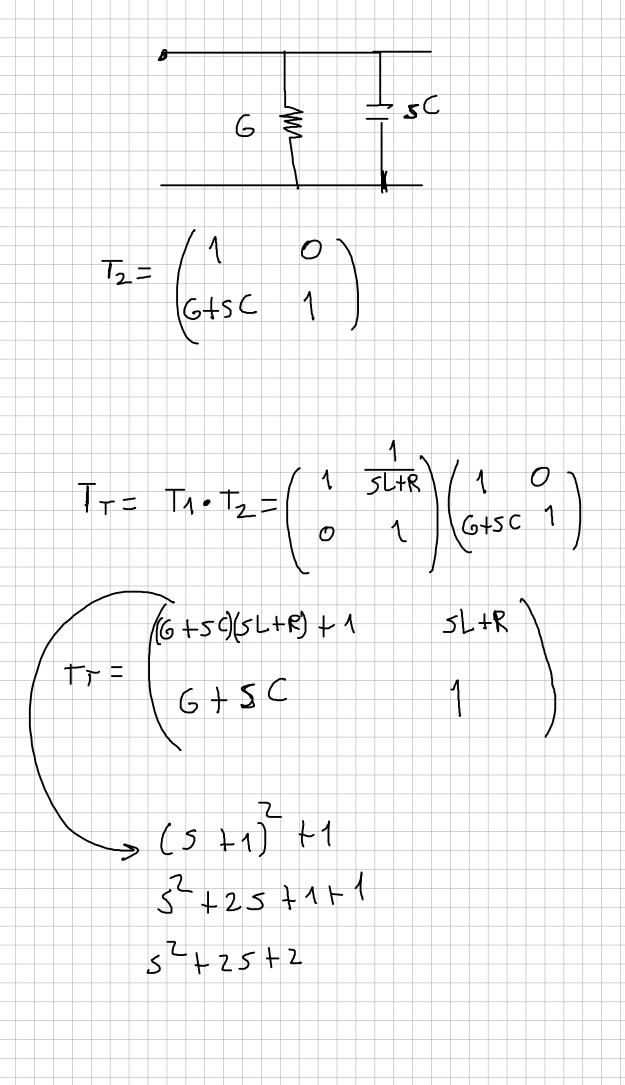
$$(-\underline{T_2}) ( \sqrt{2} = 0)$$

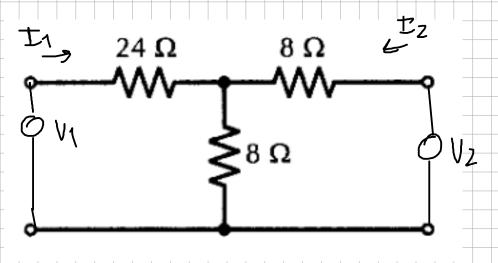
$$T_1 = \begin{pmatrix} 1 & \text{SL+R} \\ 0 & 1 \end{pmatrix}$$

ಾ)



$$y = \begin{pmatrix} \frac{1}{2} + \frac{1}{2} & -\frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} + \frac{1}{3} \end{pmatrix} = \begin{pmatrix} 1 & -0.5 \\ -0.5 & \frac{5}{6} \end{pmatrix}$$

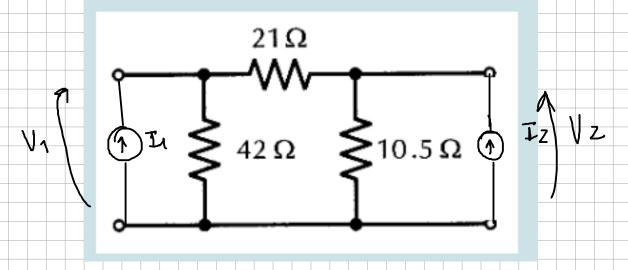




$$\frac{1}{12} = \frac{1}{12} = \frac{-(81/24)}{8+(81/24)} = \frac{1}{24\pi} = \frac{1}{56\pi}$$

$$V_{21} = \frac{T_2}{V_1} = \frac{-4}{24+4} \cdot \frac{1}{8} = -\frac{1}{56}$$

Jeu er bigarente edalaripolo, elija la respuesto

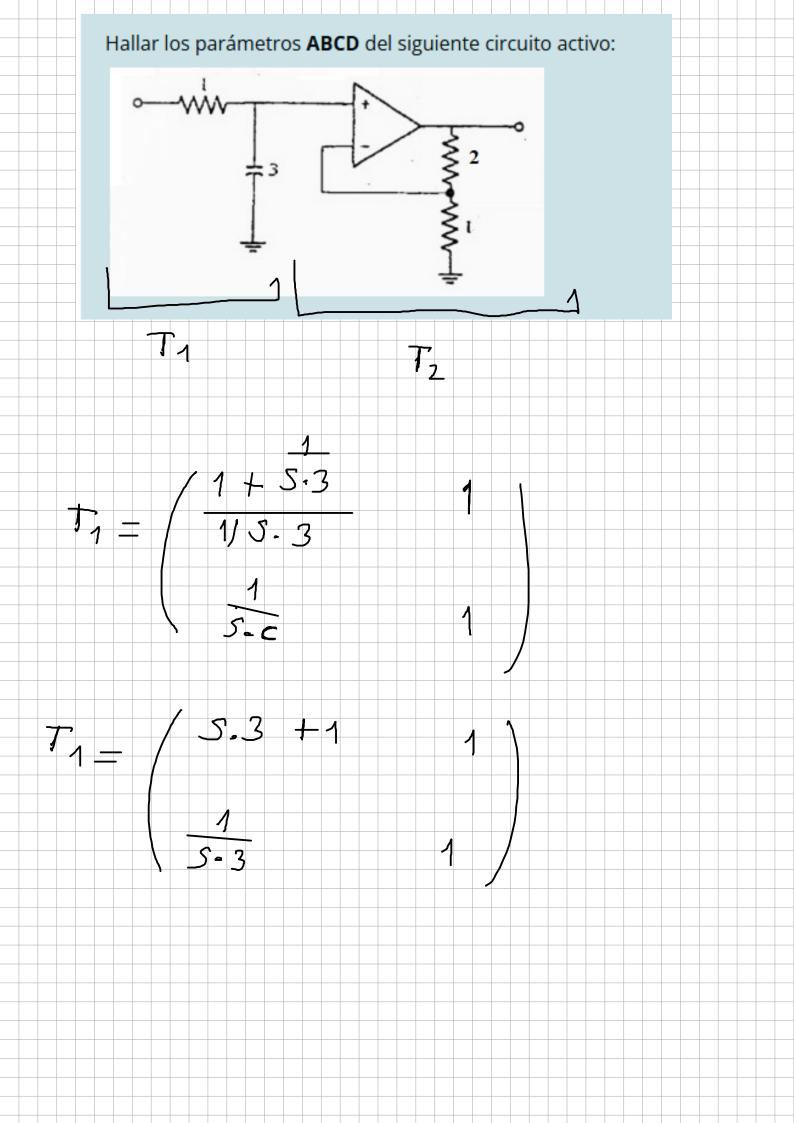


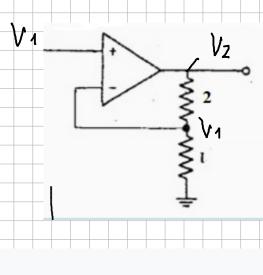
$$Z_{11} = \frac{V_1}{T_1} \Big|_{Z=0} = (42.1/(21+10.5x)) = 18.2$$

$$Z_{12} = \frac{V_1}{T_2} \Big|_{Z=0} + \frac{10.5}{10.5+21+42} \cdot 42 = 6.2$$

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{1} = \frac{1}$$

\* O IVISORES de corriente





$$V_1 = V_2. A + (-I_2). B$$

$$I_1 = V_2.C + (-I_2).D$$

$$\frac{V_1}{V_2} = \frac{1}{3}$$

$$\begin{array}{c|c} V_1 & = 0 \\ \hline (-T_z) & V_{2}=0 \end{array}$$

$$\begin{array}{c|c} T_1 & & \underline{ } &$$

$$\begin{array}{c|c} T_1 \\ \hline (-T_2) \\ \hline V_2 = 0 \end{array} = \begin{array}{c|c} 1 \\ \hline (-T_2) \\ \hline T_1 \\ \hline \end{array} V_2 = 0$$

$$T_{7} = \begin{pmatrix} 5.3 + 1 & 1 \\ 5.3 & 1 \end{pmatrix} \begin{pmatrix} 1/3 & 0 \\ 0 & 0 \end{pmatrix}$$

$$= \left( \left( 5 \cdot 3 + 1 \right) \frac{7}{3} \right)$$