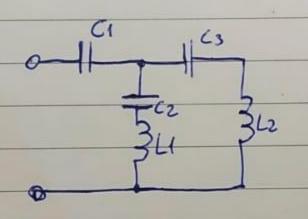
Sugard 11 Sintetizar un coodi polo con los siguientes parametros $y_{11} = I_1 / 2 = 3s(s^2 + 7/3)$ $v_1 / v_2 = 0$ $(s^2 + 2)(s^2 + 5)$ $y_{21} = \frac{Jz}{V_1/v_{z=0}} = \frac{S(S^2+1)}{(S^2+2)(S^2+5)}$ Graficanos YII Ф X 0 X > jw Necesitaros revovar parcialmente el capacitor para que nos quede La singularidad de JZ en l y Adenis fueros que A = (s2+2) (s2+5) y quores trar en ces en l y en ces ZI * OXO XX ++ Recoveres parendromate capacitor T. Win . Yz + 8 6 x > 3 Investinos y resources polo u cvo

Z3 polo a coro

Nos quedas un polo

Nos quedo un polo en Infinito

Z4 Jw



Lin 5.
$$\frac{2115}{5} = \frac{1}{5}$$
 $\frac{8}{5^2+2}(5^2+2)(5^2+5) = 1$ $\frac{5}{5}$ $\frac{3}{5}$ $\frac{3}{5}$ $\frac{5}{5}$ $\frac{3}{5}$ $\frac{5}{5}$ $\frac{3}{5}$ $\frac{5}{5}$

C1=1

$$72 = 71 - \frac{1}{5} = \frac{(5^2+2)(5^2+5) - 3(5^2+7/3)}{35(5^2+7/3)} = \frac{5^4+75^2+10-35^2-7}{35(5^2+7/3)}$$

$$Z_{z} = \frac{s^{4} + 4s^{2} + 3}{35(s^{2} + 7/3)} = \frac{(s^{2} + 3)(s^{2} + 1)}{35(s^{2} + 7/3)}$$

$$\frac{y_2}{(s^2+3)(s^2+1)}$$

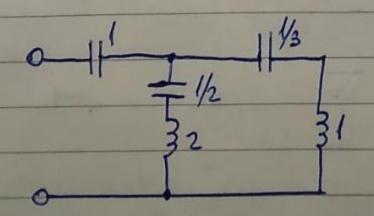
$$\lim_{S \to j} \frac{(s^2+1)}{s} \frac{3s(s^2+7/3)}{(s^2+3)(s^2+1)} = \frac{4}{z} = 2$$

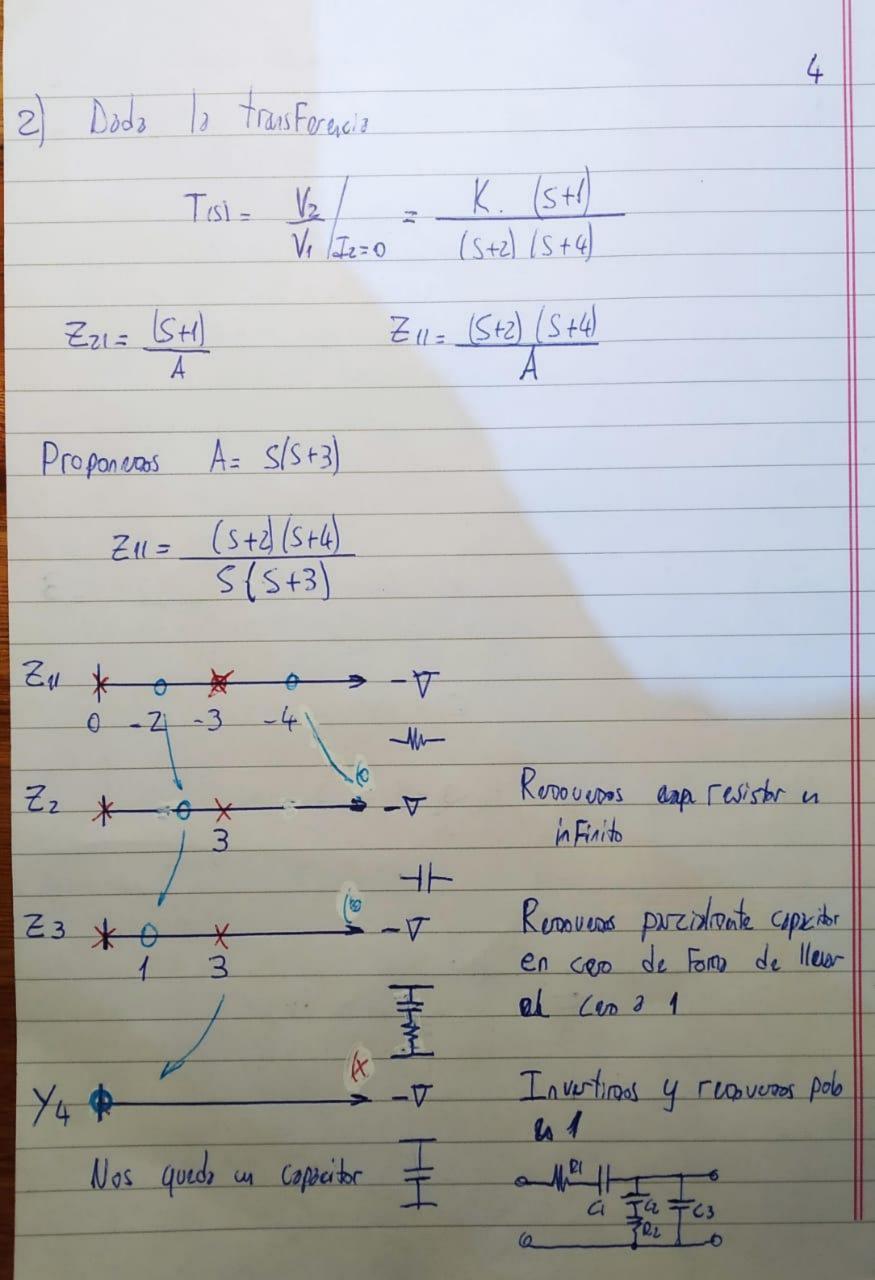
$$y_{3} = \frac{3s(s^{2}+7s)}{(s^{2}+3)(s^{2}+1)} = \frac{3s^{3}+7s-2s^{3}-6.5}{(s^{2}+3)(s^{2}+1)}$$

$$y_3 = \frac{5}{(S^2+3)}$$

$$Z_3 = \frac{5^2 + 3}{5}$$

$$Z_4(s) = Z_3(s) - \frac{3}{5} = \frac{(s^2+3)-3}{5} = \frac{s^2}{5} = S$$





$$Z_2 = \frac{(S+2)(S+4) - S(S+3)}{S(S+3)} = \frac{3S+8}{S(S+3)} = \frac{3(S+8/3)}{S(S+3)}$$

$$Lin \quad z_2. S = 3(s+8/3). S = 5$$
 $S=2$
 $S=2$
 $S=3(s+8/3). S = 5$
 $S=3(s+8/3). S = 5$

$$Z_3 = Z_2 - \frac{5}{2} = \frac{3(s+\frac{4}{3}) - \frac{5}{2}(s+3) - \frac{1}{2}(s+1)}{5}$$

 $\frac{5}{5} = \frac{5(s+3)}{5(s+3)} = \frac{1}{2}(s+1)$

$$\chi_{3} = \frac{5(S+3)}{1/2(S+1)}$$

$$\frac{y_{4}}{y_{4}} = \frac{y_{3}}{5.4} = \frac{5(5+3)-4.1/25}{1/2(5+1)} = \frac{5(5+1)}{1/2(5+1)} = 2.5$$

$$y_4 = 2.5$$

$$y_4 = 2.5$$

$$y_4 = 2.5$$

$$y_5 = 2.5$$

$$y_6 = 2.5$$

$$y_7 = 2.5$$

$$y_7$$