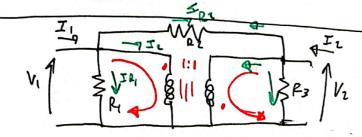
$$3 + \frac{1}{3} = \frac{9+1}{3} = \frac{10}{3}$$



Pelacio de Trafachier 1:1 => V1 = V2

$$\frac{Z_{11}=V_1}{T_1}\Big|_{\mathcal{I}_2=0} \qquad \boxed{\underline{\mathbf{I}_{Rz}=0}}$$

$$I_1 = \frac{V_1}{R_1} + I_{x} + \frac{V_1 - V_2}{R_2}$$

$$I_2 = \frac{V_2}{R_3} - \frac{V_1 - V_2}{R_2} + I_y$$

$$\mathcal{I}_{2} = \frac{V_{2}}{R_{3}} + \frac{V_{1} - V_{2}}{R_{2}} + \mathcal{I}_{y}$$

$$I_{2}=0 \Rightarrow I_{\gamma} = \frac{V_{1}-V_{2}}{R_{2}} - \frac{V_{2}}{R_{3}} = I_{\chi}$$

$$I_1 = \frac{V_1}{R_1} + \frac{V_1 - V_2}{R_2} - \frac{V_2}{R_3} + \frac{V_1 - V_2}{R_2}$$

$$V_1 = -V_2$$

$$I_{1} = \frac{V_{1}}{R_{1}} + \frac{2V_{1}}{R_{2}} + \frac{1}{R_{3}} + \frac{2V_{1}}{R_{2}} = V_{1} \left( \frac{1}{R_{1}} + \frac{4}{R_{2}} + \frac{1}{R_{3}} \right)$$

$$\frac{\mathcal{I}_1}{V_1} = \left(\frac{7}{7} + \frac{4}{2} + \frac{7}{3}\right) = \left(1 + 2 + \frac{1}{3}\right) = \frac{10}{3}$$

$$\frac{V_1}{L_1} = L_1 = \frac{3}{10} = 0, \stackrel{?}{3}$$

$$\mathcal{I}_{12} = \frac{V_1}{I_2} \Big|_{I_1 = 0}$$

$$I_{z} = \frac{V_{z}}{R_{3}} - \frac{V_{1} - V_{2}}{R_{z}} - \frac{V_{1}}{R_{1}} - \frac{V_{1} - V_{2}}{R_{z}}$$

$$I_2 = \frac{-V_1}{P_3} - \frac{4V_1}{P_2} - \frac{V_1}{P_1} = V_1 \left(1 + 2 + \frac{1}{3}\right)$$

$$\left.\frac{\mathcal{I}_{21}}{\mathcal{I}_{1}}=\frac{V_{2}}{\mathcal{I}_{1}}\right|_{\mathcal{I}_{2}=0}$$

$$T_{y} = -\frac{V_{2}}{R_{3}} + \frac{V_{i} - V_{2}}{R_{2}} = I_{X}$$

$$T_{1} = \frac{V_{1}}{R_{1}} + \frac{V_{1} - V_{2}}{R_{2}} + \frac{V_{2}}{R_{3}} + \frac{V_{1} - V_{2}}{R_{2}}$$

$$I_{1} = -\frac{V_{2}}{R_{1}} + -\frac{2V_{2}}{R_{2}} - \frac{V_{L}}{R_{3}} - \frac{2V_{2}}{R_{2}} = -V_{2} \left(\frac{10}{3}\right) \qquad \qquad \\ I_{21} = -\frac{3}{10} = 0,33$$

$$I_{1:0} = P$$
  $I_{x} = I_{y} = -\frac{V_{1}}{P_{1}} - \frac{V_{1} - V_{2}}{P_{2}}$ 

$$\overline{Z_{2}} = \frac{V_{2}}{R_{3}} + \frac{V_{1}}{R_{1}} - \frac{V_{1} - V_{2}}{R_{2}} + \frac{V_{1} - V_{2}}{R_{2}} = \frac{V_{2}}{R_{2}} + \frac{V_{2}}{R_{1}} + \frac{4V_{2}}{R_{2}} = V_{2} \left(\frac{10}{3}\right)$$

$$\overline{Z_{21}} = \frac{3}{10}$$

$$T_{1}:\begin{bmatrix} 1 & \frac{1}{2} \frac{1}{2} \\ 0 & 1 \end{bmatrix} \qquad T_{2}\begin{bmatrix} 1 & 0 \\ \frac{1}{4} \frac{1}{3} & 1 \end{bmatrix} \qquad T_{3}:\begin{bmatrix} 1 & \frac{1}{2} \frac{1}{2} \\ 0 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & \frac{1}{3} \frac{3}{2} \\ \frac{1}{4} \frac{1}{3} & 1 \end{bmatrix} \qquad \begin{bmatrix} 1 + \frac{1}{2} \frac{1}{6} & \frac{3}{2} \frac{1}{4} \\ \frac{1}{3} \frac{1}{3} & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & \frac{1}{4} \frac{1}{3} \\ \frac{1}{4} \frac{1}{3} & 1 \end{bmatrix} \qquad \begin{bmatrix} 1 + 2\frac{1}{6} & \frac{3}{2} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{3} \frac{1}{4} \end{bmatrix} = \begin{bmatrix} 1 + 2\frac{1}{6} & \frac{1}{2} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{3} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} + \frac{1}{2} \frac{1}{4} + \frac{1}{2} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{3} \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix} = \begin{bmatrix} 1 + 2\frac{1}{6} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{4} \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix} = \begin{bmatrix} 1 + 2\frac{1}{6} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} \frac{1}{4} & \frac{1}{4} \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac{1}{4} + \frac{1}{4} \frac{1}{4} \end{bmatrix}$$

$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} & \frac{1}{4} \end{bmatrix}$$

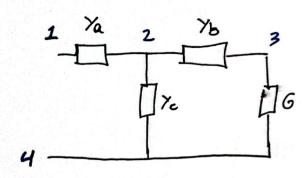
$$\begin{bmatrix} 1 + 2\frac{1}{4} & \frac{1}{4} \\ \frac{1}{3} & \frac{1}{4} & \frac$$

**CS** CamScanner

$$V_1 = V_2A + I_2B$$

$$I_1 = V_2C + I_2D$$

For MAI	2	2 76 32 12 00 2 4 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<b>→</b>
2 3 4	1 - 2 3 \$	2 - <del>2</del> <del>34</del>	3 O	4 0 7
2	- 34	3+45+子	- <del>2</del>	- <del>4</del> \$
3	O	- <u>2</u>	1+ 2 =	-1
4	0	- 4 <del>5</del>	-1	1+4=



$$\frac{2}{3^{\frac{1}{3}}} + \frac{9^{\frac{1}{3}}}{3} + \frac{2}{3^{\frac{1}{3}}} = \frac{2+4^{\frac{1}{3}}+6}{3^{\frac{1}{3}}} = \frac{4^{\frac{1}{3}}+8}{3^{\frac{1}{3}}}$$

$$1 + \frac{9^{\frac{1}{3}}}{3} = \frac{3+4^{\frac{1}{3}}}{3}$$

$$1 + \frac{2}{3} = \frac{3+4^{\frac{1}{3}}}{3}$$

$$1 + \frac{2}{3} = \frac{3+4^{\frac{1}{3}}}{3}$$

$$\frac{2}{m}m = \left(\frac{2}{34} + \frac{45}{3} + \frac{2}{5}\right)\left(1 + \frac{24}{5}\right) - \frac{2}{5} = \frac{2 + 45^2 + 6}{34} - \frac{5 + 2}{5} - \frac{2}{5}$$

$$\frac{(4 + 8)(6 + 2)}{3 + 2} - \frac{2}{5} = \frac{4 + 8 + 8 + 8 + 8 + 16}{3 + 2} - \frac{2}{5} = \frac{4 + 8 + 8 + 8 + 16 - 6 + 16}{3 + 2}$$

$$\frac{2}{3} + \frac{4\$}{3} + \frac{2}{\$} = \frac{2 + 4\$^{2} + 6}{3\$} = \frac{8 + 4\$^{2}}{3\$}$$

$$\frac{8+96^{2}}{36} \cdot \frac{5+2}{5} = \frac{85+16+45^{3}+85^{2}}{35^{2}}$$

$$\frac{4 + 3 + 8 + 2 + 8 + 16}{3 + 2} - \frac{4}{4^2} = \frac{4 + 3 + 8 + 2 + 8 + 16 - 12}{3 + 2} = \frac{4 + 3 + 8 + 2 + 8 + 16}{3 + 2} = \frac{4 + 3 + 8 + 2 + 8 + 16}{3 + 2}$$

$$\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2\pi i} = \frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2\pi i} \int_$$

$$Z_{14}^{14} = nign(1-4)nign(1-4) \frac{y_{14}^{14}}{y_{4}^{4}}$$

$$\frac{2}{14} = \left(\frac{2}{35} + \frac{4}{3} + \frac{2}{5}\right) \left(1 + \frac{2}{5}\right) - \frac{4}{5^2} = \left(\frac{2 + 4 + \frac{2}{5} + 6}{35} \cdot \frac{5 + 2}{5}\right) - \frac{4}{5^2} = \frac{2}{5}$$

$$=\frac{25+4+4+3+8+6+12}{3+2} - \frac{4}{5^2} = \frac{4+3+8+2+8+16}{3+2} - \frac{4}{5^2}$$

$$\frac{\chi_{14}^{14}}{35^2} = \frac{45^3 + 85^2 + 85 + 16 - 17}{35^2} = \frac{45^3 + 85^2 + 85 + 4}{35^2}$$

$$\frac{7_{4}^{4}}{34} = \frac{2}{34} \left( \frac{44^{3} + 84^{2} + 84 + 4}{34^{2}} \right) \left( \frac{-24}{34} \right) \left($$

$$\frac{y_{4}^{4}}{3 \pm \left[\frac{2}{3 \pm 2} \left[\frac{4 \pm \frac{3}{4} + 8 \pm \frac{2}{4} + 8 \pm \frac{4}{4}}{3 \pm 2} - \frac{2 \pm 4}{3 \pm 2}\right]}{3 \pm 2} = \frac{2}{3 \pm 2} \left[\frac{4 \pm \frac{3}{4} + 8 \pm \frac{2}{4} + 8 \pm \frac{4}{4} + 8 \pm \frac{4}{4}$$

$$\frac{y_{4}^{2}}{3 \pm \frac{2}{3 \pm 2}} = \frac{4 \pm \frac{3}{4} + 8 \pm \frac{4}{6} \pm \frac{4}{6} \pm \frac{2}{3}}{3 \pm \frac{2}{3}}$$

$$\frac{\frac{2}{14}}{\frac{2}{14}} = \frac{46^{3}+86^{2}+86+4}{367} \cdot \frac{367}{2(46^{2}+86+6)} = \frac{4(6^{3}+26^{2}+26+1)3}{4(6^{2}+26+6)} = \frac{4(6^{3}+26^{2}+26+1)3}{4(6^{2}+26+1)3} = \frac{4(6^{3}+26^{2}+26+1)3}{4(6^{2}+26^{2}+26+1)3} = \frac{4(6^{3}+26^{2}+26+1)3}{4(6^{2}+26^{2}+26^{2}+26+1)3} = \frac{4(6^{3}+26^{2}+26^{2}+26+1)3}{4(6^{2}+26^{$$

WI ....

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