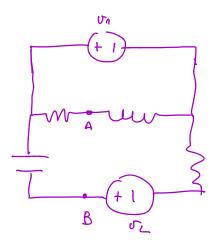
$$v_{n} = \cos(10^{3}t + \frac{\pi}{2})$$

$$2\cos(10^3t + \frac{40}{3} - \frac{1}{2}) =$$

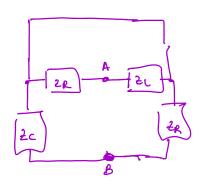
=2005 (203t + 683 m)V

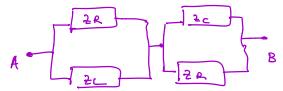


En fasores:

$$2c = \frac{1}{jwc} = \frac{1}{jk0^3 lo 10^{-6}} = \frac{1}{jl0^4 lo^{-6}} = \frac{1}{jl0^4 lo^{-6}} = -jl00 \mathcal{R}$$

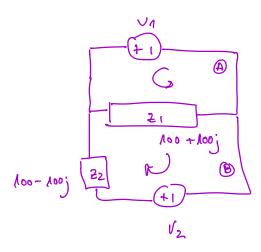




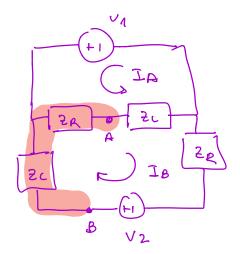


$$2p_{A} = \frac{106 \cdot 100 j}{100 + 100 j} = \frac{100 j}{100 + 100 j} = 50 + 50 j$$

$$2p_2 = \frac{100 \cdot -100j}{100 - 100j} = \frac{-100j}{100} = 50 - 50j$$



$$1e^{j0/2}$$
 ,001,000 , 0001,000 j
 $V_{\Lambda} = I_{\Lambda} Z_{\Lambda} + Z_{\Lambda} I_{B}$

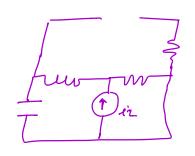


$$= -2r I_A - 2c (I_A + I_B) - 2e^{-j 2^{j+1}} V =$$

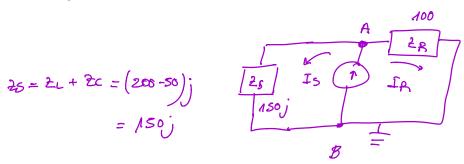
$$= (-1^{i} 8 + -685) V$$

(Circuito 1) anulo in

2r=100 21= jw2 L = = $\frac{1}{2} 2 10^{3} 10^{2} 10^{-3} = 200 \hat{j}$



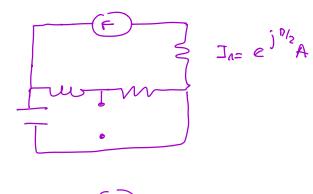
 $2c = \frac{1}{j \cdot 20^3 \cdot 0^{10^{-6}}} = \frac{1}{j \cdot 2^{10^{-2}}} = -50j$



 $I_2 = I_S + I_R = 2e^{j6830} = \frac{V_A}{2S} + \frac{V_A}{2R} =$ $= VA \left(\frac{1}{25} + \frac{1}{20} \right) = VA \left(\frac{25+2e}{2025} \right)$

$$V_A = 2e^{\int 0.830} \frac{2s \, 2R}{2s + 2R} = 2e^{\int 0.830} \frac{150 \int 100}{100 + 150 \int}$$

Circuito 2 anulo i2



$$2\tau = \frac{2s \cdot 2c}{2s + 2s}$$

$$2T = \left(\frac{100 + 100j}{100} - 100j\right) = -100j + 100$$

$$Vc - Vb = I_A 2T = 2 \frac{j \Pi/2}{j} \cdot (-100j + 100) = 100 + 100j$$

$$T = \frac{Vc-VD}{ts} = \frac{loo + looj}{loot looj} = lwA$$

Ceravito 1

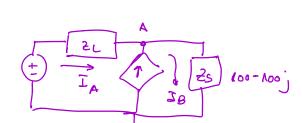
$$-\frac{1}{3}$$
 $\frac{3}{9}$ $\frac{3$

Circuito 2

$$\sqrt{R(4)} = \left(\frac{6}{14} \cos(26) + \frac{3}{14} \cos(4) \right) + \frac{6}{14} \cos(4) = \frac{1}{14} \cos$$



$$\frac{V_A - V_A}{2L} + 2V_C = \frac{V_A}{2S}$$



$$\frac{V_A - V_A}{2C} + 2V_C = \frac{V_A}{2S}$$

$$V_C = I_B 2C = \frac{V_A}{2S} 2C$$

$$\frac{V_4 - V_A}{Z_L} + \frac{0'0}{2} \frac{V_A}{Z_S} = \frac{V_A}{Z_S}$$

$$\frac{V_A}{2L} = \frac{V_A}{2S} - \frac{602}{2S} \frac{V_A}{2S} \frac{2C}{2S} + \frac{V_A}{2L}$$

$$V_{A} = 2L V_{A} \left(\frac{1}{2s} - 0'02 \frac{2c}{2s} + \frac{1}{2L} \right) = (-0'S - 0'Si) V_{A}$$

$$V_{A} = (-a - i) V = \sqrt{2} C V$$

$$I_{8} = \frac{V_{A}}{25} 2 - 0'01j = 000 e^{-j\pi L}$$

$$p_c(t) = \cos(\lambda 0^5 + n)$$
 o'on $\cos(\lambda 0^5 1 - N_2)$

$$\frac{V_A - V_A}{2R} = I_A$$

$$V_{L} = \overline{\lambda}_{B} + \overline{\lambda}_{L} = \frac{V_{A} + V_{2}}{2S} + \overline{\lambda}_{L}$$

$$\frac{V_A - V_A}{2R} = 603 \left(\frac{V_A + V_2}{2S} \right) 2L + \frac{U_A + V_2}{(2S)}$$

$$\frac{\left(0'032L+1\right)2R}{2s}\left(VA+V2\right)=\left(VA-VA\right)$$

$$2c = -l\infty$$

$$(V_A + FV_A) = V_1 - FV_2$$

$$VA = \frac{V_1 - FV_2}{\left(\Lambda + F \right)}$$

1:(4)= 0'003 cas (103+ +0'85) A

ULAZ 675 cost 103+ +2'42) V