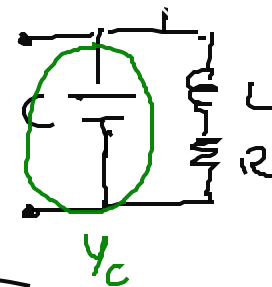


4.3

Y = Capa U (L série R)



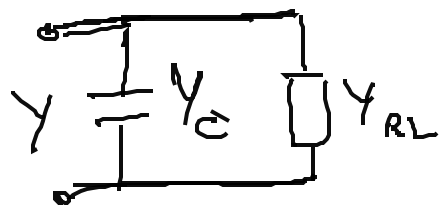
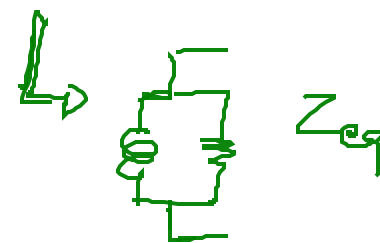
OK

$$Y = \frac{1}{jC\omega} \times (R + jL\omega)$$

$$Z = \frac{1}{jC\omega + (R + jL\omega)} = \cancel{18,63 + j12,42}$$

$$Y = \underbrace{jC\omega}_{Y_c} + \underbrace{\left(\frac{jLR\omega}{R + jL\omega} \right)}_{?}$$

$$\frac{jL\omega \times R}{R + jL\omega} = \frac{Z_L \times Z_R}{Z_R + Z_L} = Z$$



$$Y = Y_c + Y_{RL} \quad Y_{RL} = \frac{1}{Z_{RL}} = \frac{1}{R + jL\omega}$$