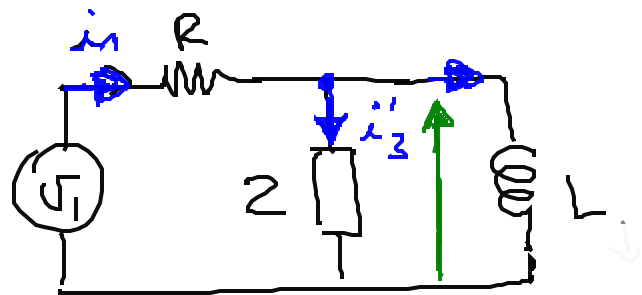
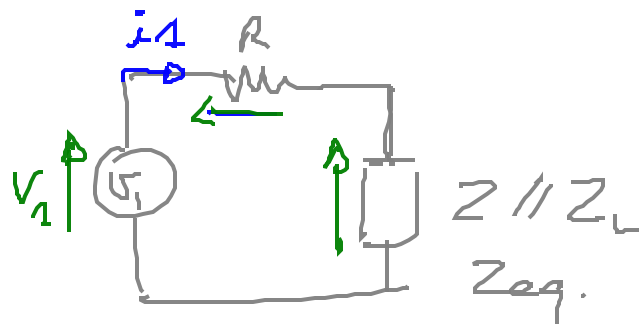


5.1 a) On étaint $V_2 \Rightarrow V_2 \equiv C-C$.



diviseur de courant

$$i_3 = i_1 \cdot \frac{j\omega L}{j\omega L + Z}$$

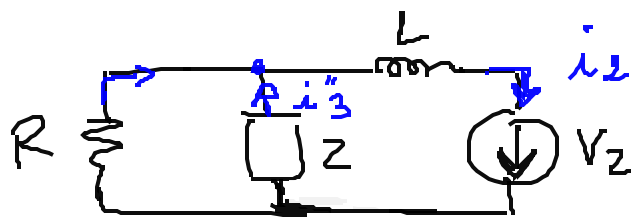


et $Z_L = j\omega L$
et $Z_{eq} = \frac{Z \cdot Z_L}{Z + Z_L}$

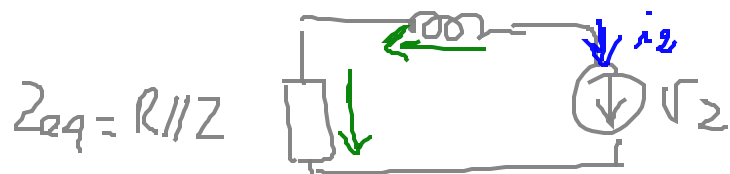
loi des mailles : $V_1 - R i_1 - Z_{eq} i_1 = 0$.

$$i_1 = \frac{V_1}{R + Z_{eq}}$$

b) On étaint $V_1 \Rightarrow V_1 \equiv C-C$



$$i_3 = i_2 \cdot \frac{R}{R + Z}$$



$$i_2 = \frac{V_2}{Z + Z_L}$$