

① loi des noeuds :

$$i_{RL} = i_o - i_c$$



$$\begin{cases} \hat{i}_o = I_o e^{j\varphi_{i_o}} \rightarrow i_o(t) \\ \hat{i}_c = I_c e^{j\varphi_{i_c}} \rightarrow i_c(t) \end{cases}$$

loi des noeuds : OK mais avec i_o, i_c ss forme
cartésienne

$$i_o = I_o (\cos \varphi_{i_o} + j \sin \varphi_{i_o})$$

$$\textcircled{2} \quad i_{RL} = \frac{V}{Z_{RL}} = \frac{V}{R + j\omega L}$$

$$\hookrightarrow |i_{RL}| = \frac{|V|}{|Z_{RL}|}$$

$$\hookrightarrow \varphi(i_{RL}) = \varphi(V) - \varphi(Z_{RL}) \quad \dots \dots \dots$$