$\omega_0 L - \frac{1}{\omega_0 C} = 0$

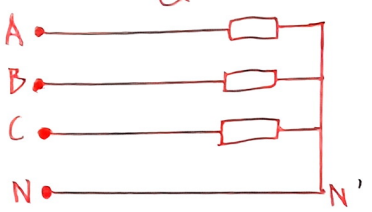
$\omega_0 = \frac{1}{\sqrt{LC}}$

$\omega_0 = \sqrt{\frac{1}{CL} - \frac{R^2}{L^2}}$

$Q = \frac{1}{R}\sqrt{\frac{L}{C}} = \frac{\omega_0 L}{R} = \frac{1}{\omega_0 CR}$ $\quad Q = \frac{1}{\omega_0 LG} = \frac{\omega_0 C}{G} = \frac{1}{G}\sqrt{\frac{C}{L}}$

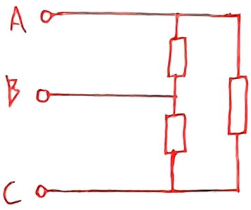
$U_L = U_C = QU$ $\quad I_L = I_C = QI_S$

$BW = \frac{\omega_0}{Q}$



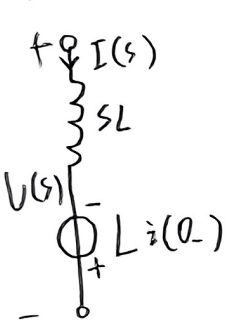
$U_{相} = \frac{1}{\sqrt{3}} U_{线}$

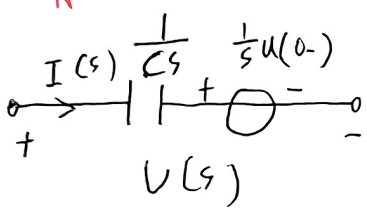
$I_{相} = I_{线}$



$I_{相} = \frac{1}{\sqrt{3}} I_{线}$ $\quad \dot{I}_{A'B'} = \frac{1}{\sqrt{3}} \dot{I}_A \angle 30°$

$U_{相} = U_{线}$





Y：$I_1 = Y_{11}U_1 + Y_{12}U_2$

$I_2 = Y_{21}U_1 + Y_{22}U_2$

$\begin{bmatrix} \dot{I}_1 \\ \dot{I}_2 \end{bmatrix} = \begin{bmatrix} Y_{11} & Y_{12} \\ Y_{21} & Y_{22} \end{bmatrix} \begin{bmatrix} \dot{U}_1 \\ \dot{U}_2 \end{bmatrix}$

T：$\begin{bmatrix} \dot{U}_1 \\ \dot{I}_1 \end{bmatrix} = \begin{bmatrix} A & B \\ C & D \end{bmatrix} \begin{bmatrix} \dot{U}_2 \\ -\dot{I}_2 \end{bmatrix}$

H：$\begin{bmatrix} \dot{U}_1 \\ \dot{I}_2 \end{bmatrix} = \begin{bmatrix} H_{11} & H_{12} \\ H_{21} & H_{22} \end{bmatrix} \begin{bmatrix} \dot{I}_1 \\ \dot{U}_2 \end{bmatrix}$

Z：$U_1 = Z_{11}I_1 + Z_{12}I_2$

$U_2 = Z_{21}I_1 + Z_{22}I_2$

$\begin{bmatrix} U_1 \\ U_2 \end{bmatrix} = \begin{bmatrix} Z_{11} & Z_{12} \\ Z_{21} & Z_{22} \end{bmatrix} \begin{bmatrix} I_1 \\ I_2 \end{bmatrix}$