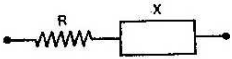
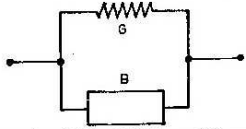

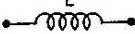


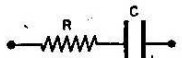
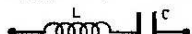
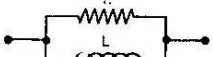
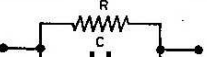
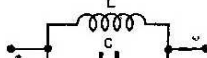
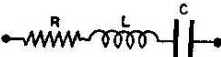
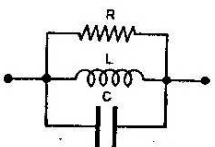


TABELLA 5.58

ESPRESSIONI IN FORMA BINOMIA DELLE IMPEDENZE ED AMMETTENZE RELATIVE A TRONCHI ELEMENTARI DI CIRCUITO

Tronco di circuito	Impedenza $\bar{Z} = R + jX$ 	Ammettenza $\bar{Y} = G + jB$ 
	$R + j0$	$\frac{1}{R} + j0$
	$0 + j\omega L$	$0 - j \frac{1}{\omega L}$
	$0 - j \frac{1}{\omega C}$	$0 + j\omega C$
	$R + j\omega L$	$\frac{1}{R + j\omega L} = \frac{R}{R^2 + (\omega L)^2} - j \frac{\omega L}{R^2 + (\omega L)^2}$
	$R - j \frac{1}{\omega C}$	$\frac{1}{R - j \frac{1}{\omega C}} = \frac{R(\omega C)^2}{(\omega RC)^2 + 1} + j \frac{\omega C}{(\omega RC)^2 + 1}$
	$0 + j \left(\omega L - \frac{1}{\omega C} \right)$	$\frac{1}{j \left(\omega L - \frac{1}{\omega C} \right)} = 0 - j \frac{1}{\omega L - \frac{1}{\omega C}}$
	$\frac{jR\omega L}{R + j\omega L} = \frac{R(\omega L)^2}{R^2 + (\omega L)^2} + j \frac{R^2\omega L}{R^2 + (\omega L)^2}$	$\frac{1}{R} - j \frac{1}{\omega L}$
	$\frac{-j \frac{R}{\omega C}}{R - j \frac{1}{\omega C}} = \frac{R}{(\omega RC)^2 + 1} - j \frac{\omega CR^2}{(\omega RC)^2 + 1}$	$\frac{1}{R} + j\omega C$
	$\frac{\frac{L}{C}}{j \left(\omega L - \frac{1}{\omega C} \right)} = 0 - j \frac{\frac{L}{C}}{\omega L - \frac{1}{\omega C}}$	$0 + j \left(\omega C - \frac{1}{\omega L} \right)$
	$R + j \left(\omega L - \frac{1}{\omega C} \right)$	$\frac{1}{R + j \left(\omega L - \frac{1}{\omega C} \right)} = \frac{R}{R^2 + \left(\omega L - \frac{1}{\omega C} \right)^2} - j \frac{\omega L - \frac{1}{\omega C}}{R^2 + \left(\omega L - \frac{1}{\omega C} \right)^2}$
	$\frac{1}{\frac{1}{R} + j \left(\omega C - \frac{1}{\omega L} \right)} = \frac{\frac{1}{R}}{R^2 + \left(\omega C - \frac{1}{\omega L} \right)^2} - j \frac{\omega C - \frac{1}{\omega L}}{R^2 + \left(\omega C - \frac{1}{\omega L} \right)^2}$	$\frac{1}{R} + j \left(\omega C - \frac{1}{\omega L} \right)$