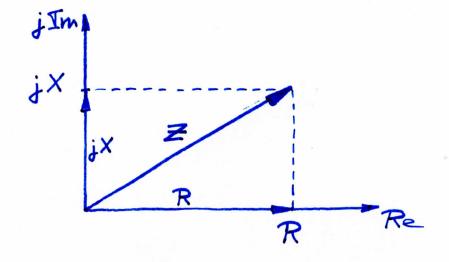
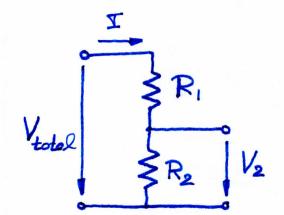
Symbols



Complex

Voltage divider



$$I = \frac{V_{total}}{R_1 + R_2}$$

$$I = \frac{V_2}{R_2}$$

$$\Rightarrow \frac{V_{total}}{R_1 + R_2} = \frac{V_2}{R_2} \Rightarrow V_2 = V_{total} \frac{R_2}{R_1 + R_2}$$

$$V_2 = V_{total} \frac{R_2}{R_1 + R_2}$$

$$V_2 = V_{total} \frac{R_2}{R_1 + R_2}$$

$$V_2 = V_{total} \frac{R_2}{R_1 + R_2}$$

Current divider

$$V = \frac{Y}{G_1 + G_2}$$

$$V = \frac{Y}{G_1 + G_2}$$

$$V = \frac{Y}{G_2}$$

$$V = \frac{Y}{G_2}$$

$$V = \frac{I}{G_1 + G_2}$$

$$V = \frac{I_2}{G_2}$$

$$\Rightarrow \frac{I}{G_1 + G_2} = \frac{I_2}{G_2} \Rightarrow$$

$$\Rightarrow \frac{I}{G_1 + G_2} = \frac{I_2}{G_2} \Rightarrow I_2 = I \frac{G_2}{G_1 + G_2}$$

$$L_2 = I \frac{G_2}{G_1 + G_2}$$

$$L_3 = I_4 - I_5 = I_5$$

Using R instead of G: I2 = I 1/R2 /R. + 1/R2

$$T_2 = T \frac{1/R_2}{1/R_1 + 1/R_2}$$