

Series OR Parallel

$$I = I_1 = I_2 = I_3$$

$$V = V_1 = V_2 = V_3$$

$$I_T = I_1 + I_2 + I_3$$

$$R_T = R_1 + R_2 + R_3$$

$$V_T = V_1 + V_2 + V_3$$

$$\frac{1}{R_T} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$