

## For parallel circuits:

	$R_1$	$R_2$	$R_3$	Total
E	—	—	—	→ Equal
I	—	—	—	→ Add
R	—	—	—	→ Diminish
P	—	—	—	→ Add

$$E_{\text{total}} = E_1 = E_2 = E_3$$

$$I_{\text{total}} = I_1 + I_2 + I_3$$

$$R_{\text{total}} = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}}$$

$$P_{\text{total}} = P_1 + P_2 + P_3$$