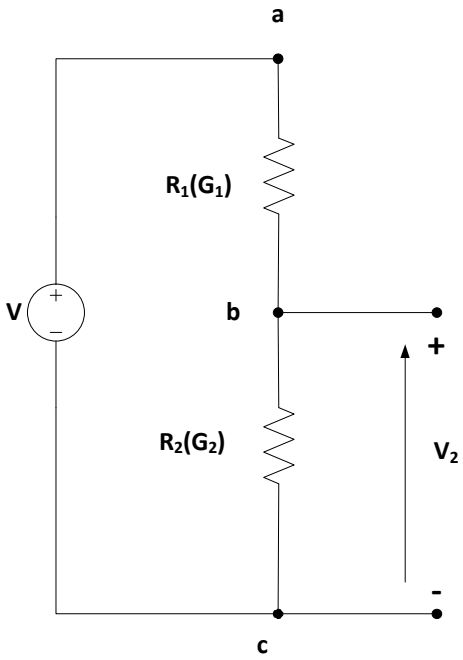
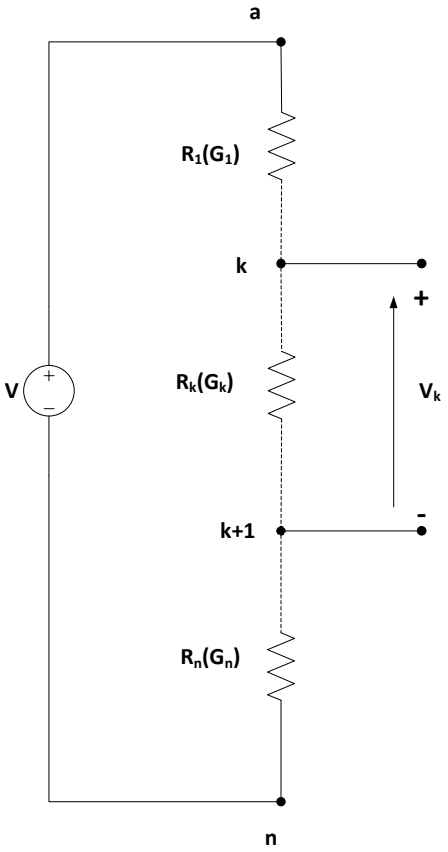
DIVISORES DE TENSÃO E CORRENTE

DIVISORES DE TENSÃO



$$V_2 = \frac{R_2}{R_1 + R_2}.V = \frac{R_2}{R_{eqT}}.V$$

$$V_2 = K.V; \qquad 0 < K < 1$$



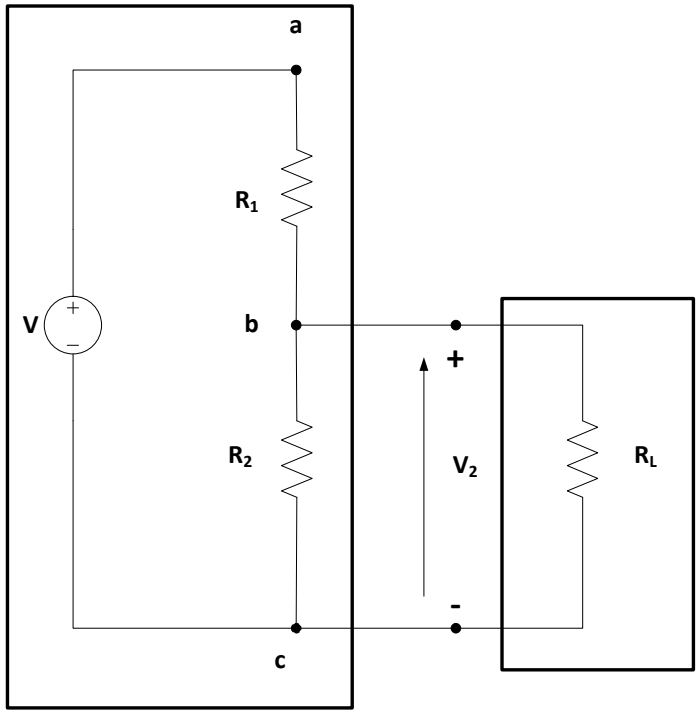
$$V_k = \frac{R_k}{\sum_{k=1}^{n} R_k}.V = \frac{R_k}{R_{eqT}}.V$$

$$V_k = K.V; \qquad 0 < K < 1$$

$$V_2 = \frac{G_{eqT}}{G_2}.V = \frac{G_1}{G_1 + G_2}.V$$

$$V_k = \frac{G_{eqT}}{G_k}.V = \frac{\prod_{j \neq k} G_j}{\sum G_k}.V$$

DIVISORES DE TENSÃO
(EFEITO DE CARGA)



$$V_{2\,previsto} = \frac{R_2}{R_1 + R_2}.V = \frac{R_2}{R_{eqT}}.V$$

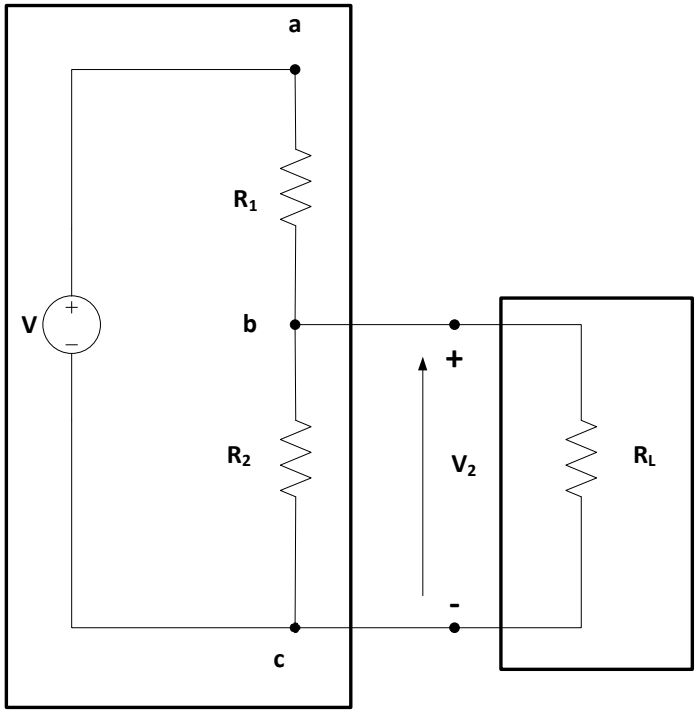
$$V_{2\,previsto} = K_1.V; \qquad 0 < K_1 < 1$$

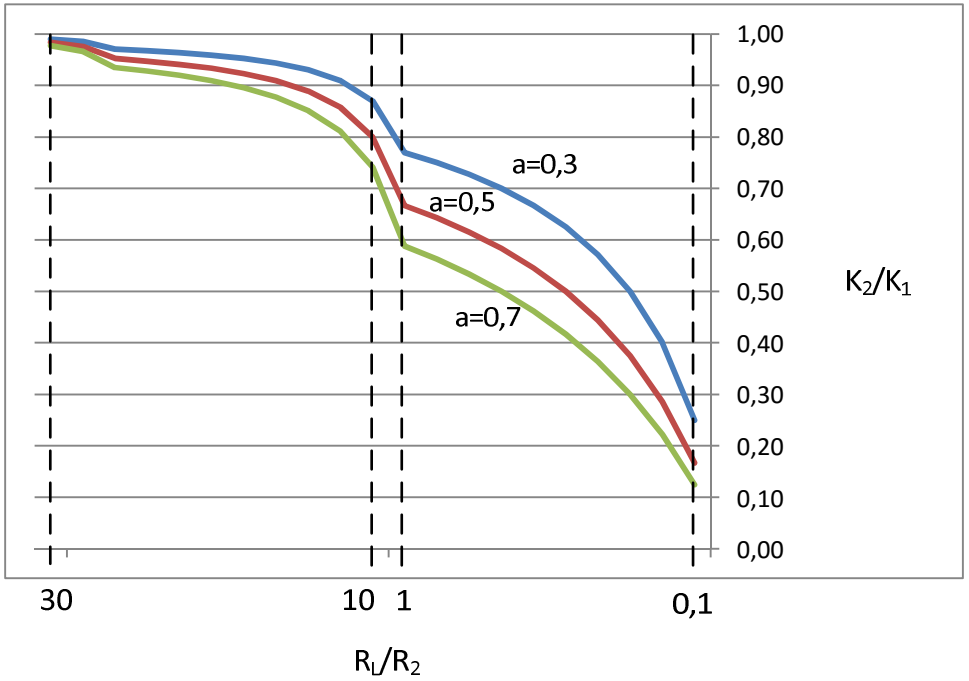
$$V_{2real} = \frac{R_p}{R_1 + R_p}.V = \frac{R_p}{R_{eqTnovo}}.V$$

$$V_{2\,previsto} = K_2.V; \qquad 0 < K_1 < 1$$

$$V_{2\,previsto} \leq V_{2real}$$

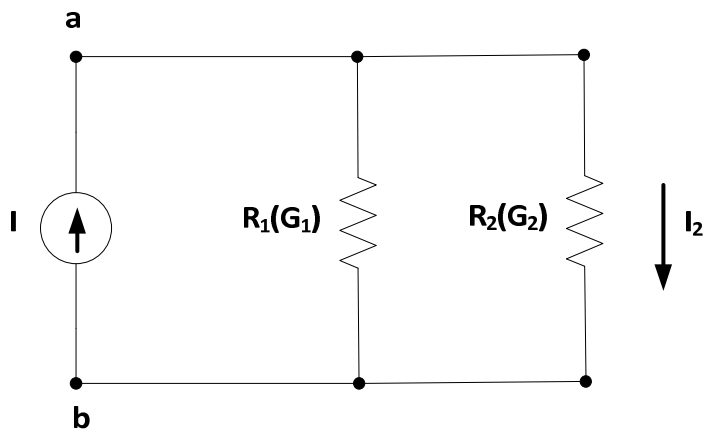
DIVISORES DE TENSÃO
(EFEITO DE CARGA)

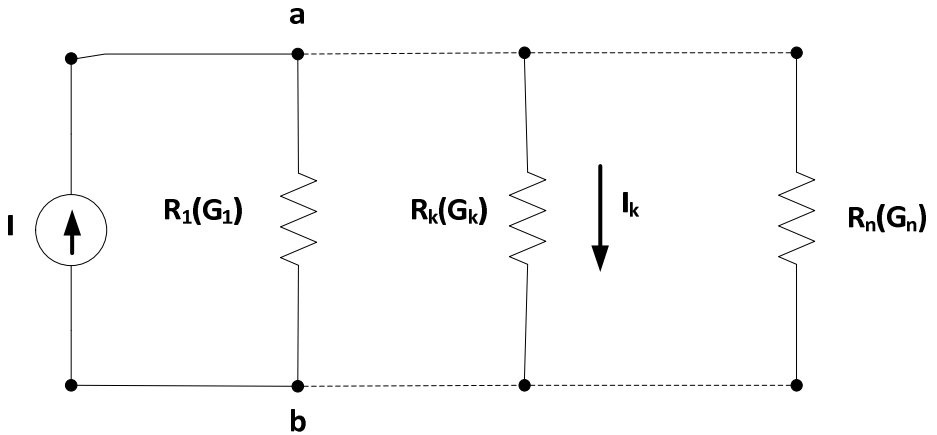




$$\frac{K_2}{K_1} = \frac{1}{1 + a/k} \qquad a = \frac{R_1}{R_{eqT}} \qquad R_{eqT} = R_1 + R_2 \qquad k = \frac{R_L}{R_2}$$

DIVISORES DE CORRENTE





$$I_2 = \frac{G_2}{G_1 + G_2}.I = \frac{G_2}{G_{eqT}}.I$$

$$I_2 = K.I; \qquad 0 < K < 1$$

$$I_k = \frac{G_k}{\sum_{k=1}^{n} G_k}.I = \frac{G_k}{G_{eqT}}.I$$

$$I_k = K.I; \qquad 0 < K < 1$$

$$I_2 = \frac{R_{eqT}}{R_2}.I = \frac{R_1}{R_1 + R_2}.I$$

$$I_k = \frac{R_{eqT}}{R_k}.I = \frac{\prod_{j \neq k} R_j}{\sum R_k}.I$$