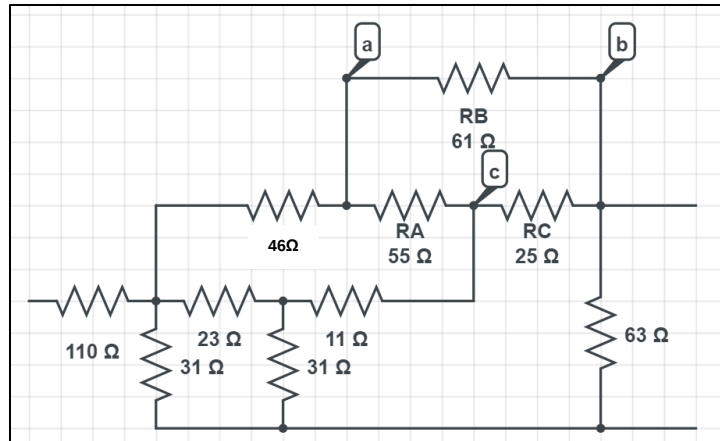




$$R_A = 55\Omega$$

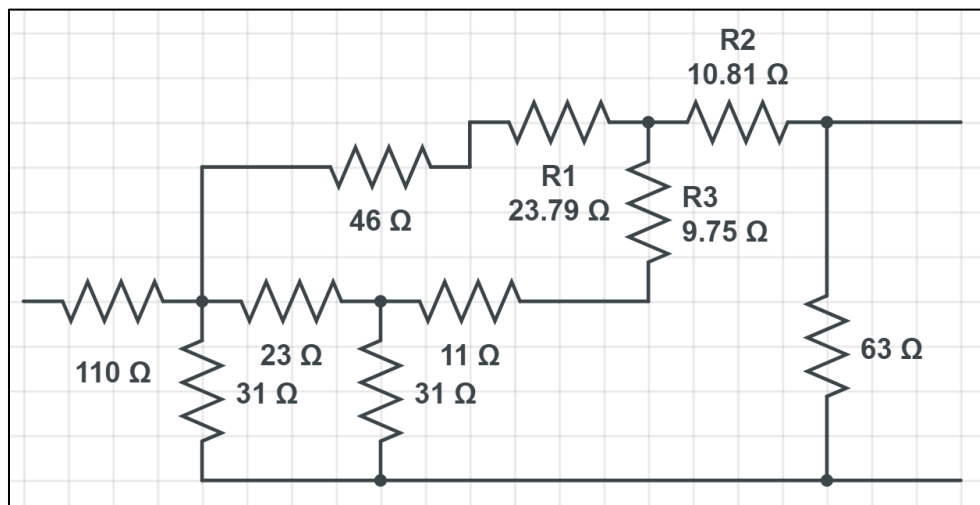
$$R_B = 61\Omega$$

$$R_C = 25\Omega$$

$$R_1 = \frac{(55\Omega)(61\Omega)}{55\Omega + 61\Omega + 25\Omega} = 23.79\Omega$$

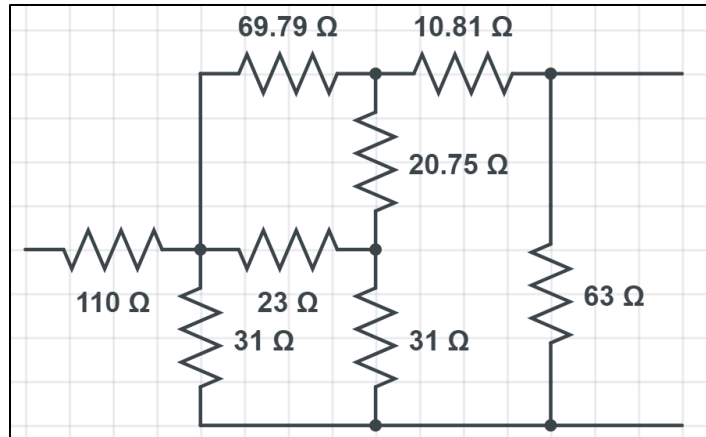
$$R_2 = \frac{(61\Omega)(25\Omega)}{55\Omega + 61\Omega + 25\Omega} = 10.81\Omega$$

$$R_1 = \frac{(25\Omega)(55\Omega)}{55\Omega + 61\Omega + 25\Omega} = 9.75\Omega$$

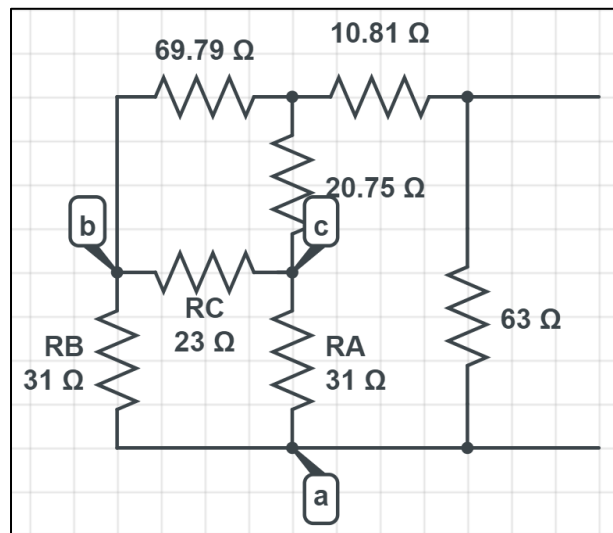


$$R_1 + 46\Omega = 69.79\Omega$$

$$R_3 + 11\Omega = 20.75\Omega$$



Removemos la resistencia de 110Ω debido a que esta no cuenta ni con corriente, ni con voltaje.



$$R_A = 31\Omega$$

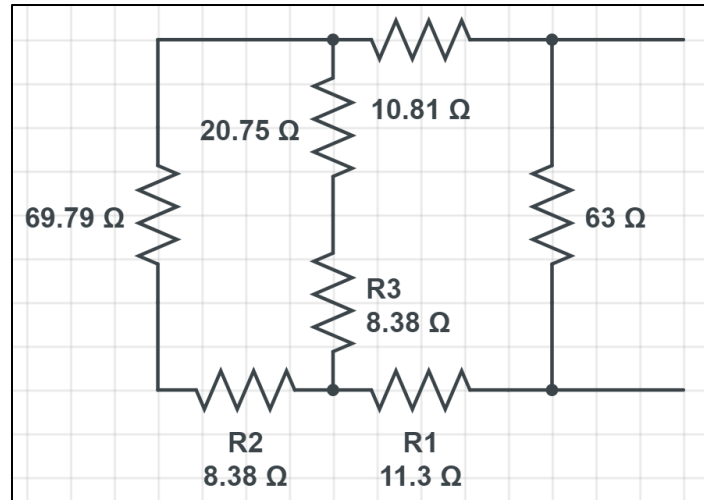
$$R_B = 31\Omega$$

$$R_C = 23\Omega$$

$$R_1 = \frac{(31\Omega)(31\Omega)}{31\Omega + 31\Omega + 23\Omega} = 11.3\Omega$$

$$R_2 = \frac{(31\Omega)(23\Omega)}{31\Omega + 31\Omega + 23\Omega} = 8.38\Omega$$

$$R_3 = \frac{(23\Omega)(31\Omega)}{31\Omega + 31\Omega + 23\Omega} = 8.38\Omega$$



$$R_2 + 69.79\Omega = 78.17\Omega$$

$$R_3 + 20.75\Omega = 29.13\Omega$$

$$(78.17\Omega || 29.13\Omega) = \frac{(78.17\Omega)(29.13\Omega)}{78.17\Omega + 29.13\Omega} = 21.22\Omega$$

$$10.81\Omega + 21.22\Omega + 11.3\Omega = 43.33\Omega$$

$$(43.33\Omega || 63\Omega) = \frac{(43.33\Omega)(63\Omega)}{43.33\Omega + 63\Omega} = 25.67\Omega$$