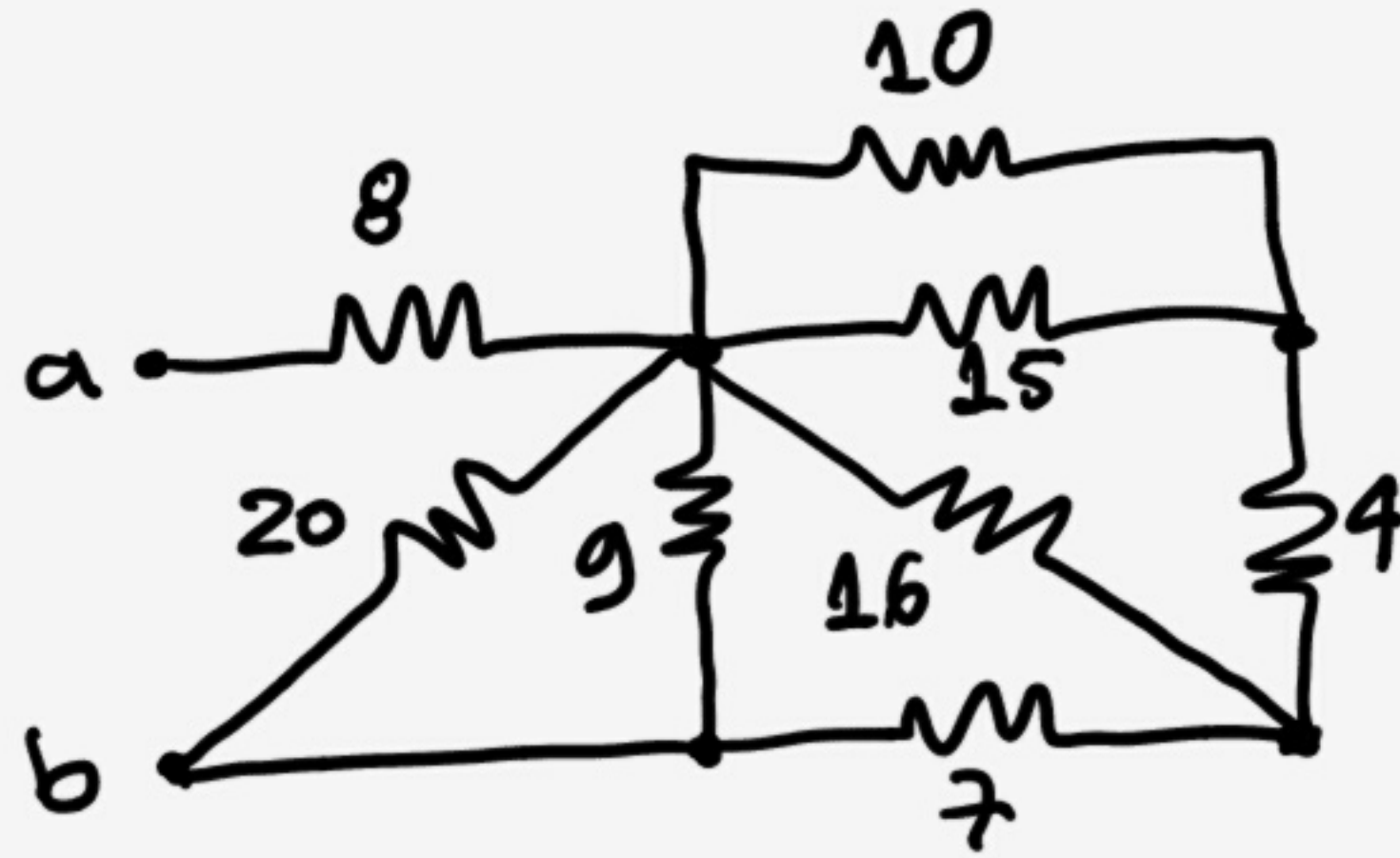
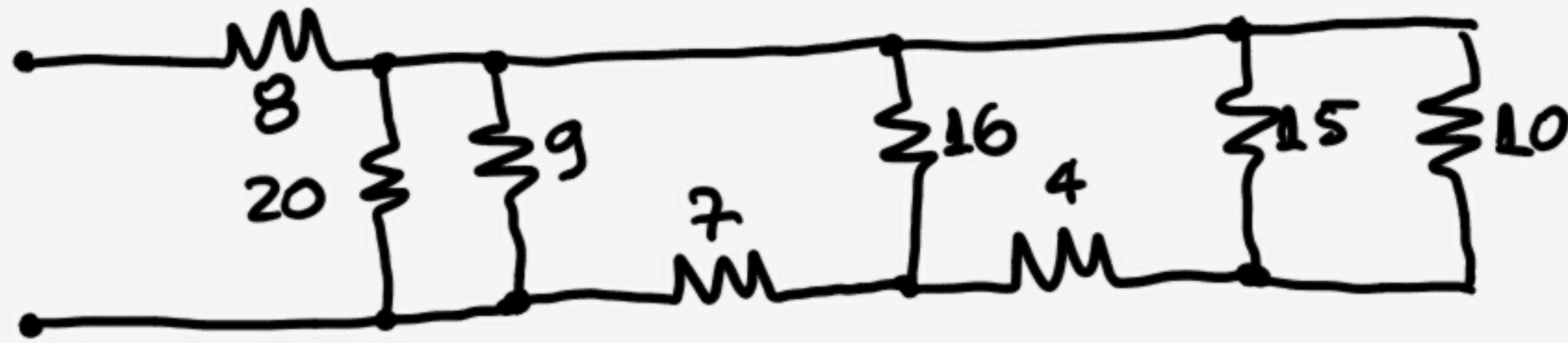


Encontrar la resistencia equivalente  $R_{ab}$ :

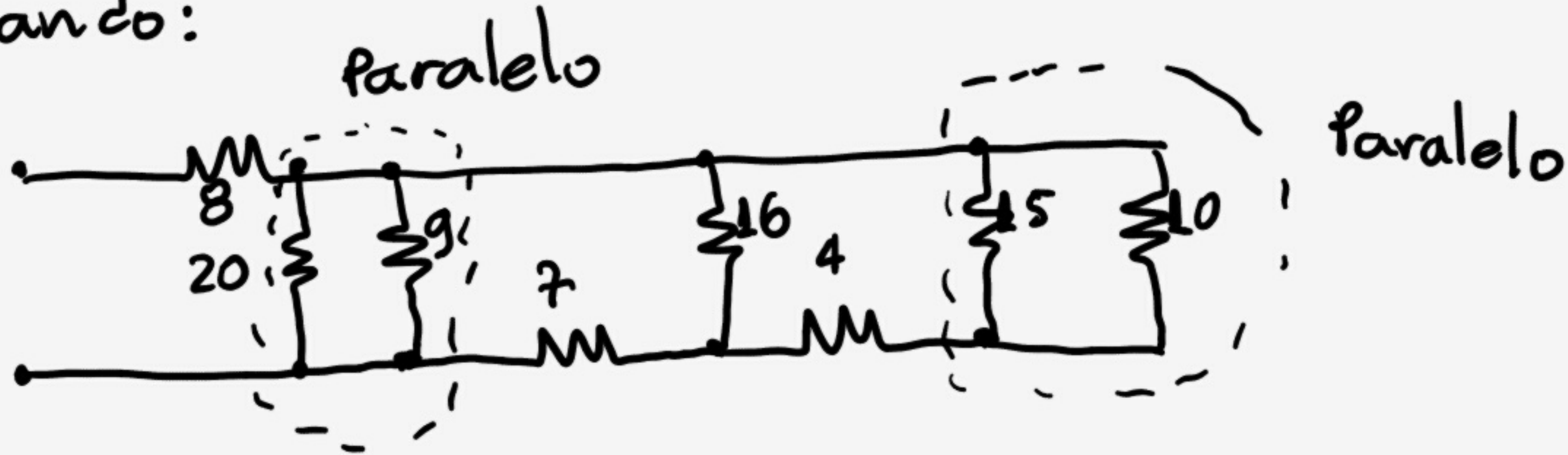


Solución:

Primero presentamos el circuito de tal manera que podamos realizar un análisis adecuado del mismo.

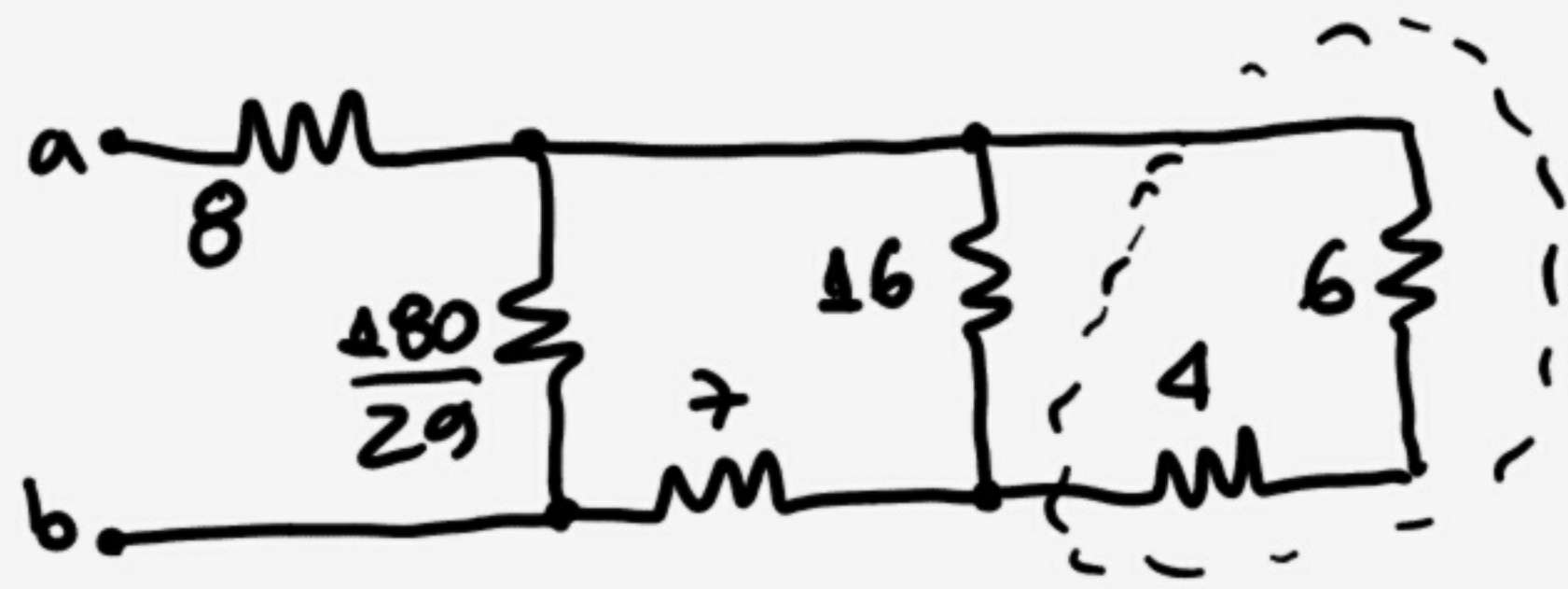


Revisando:

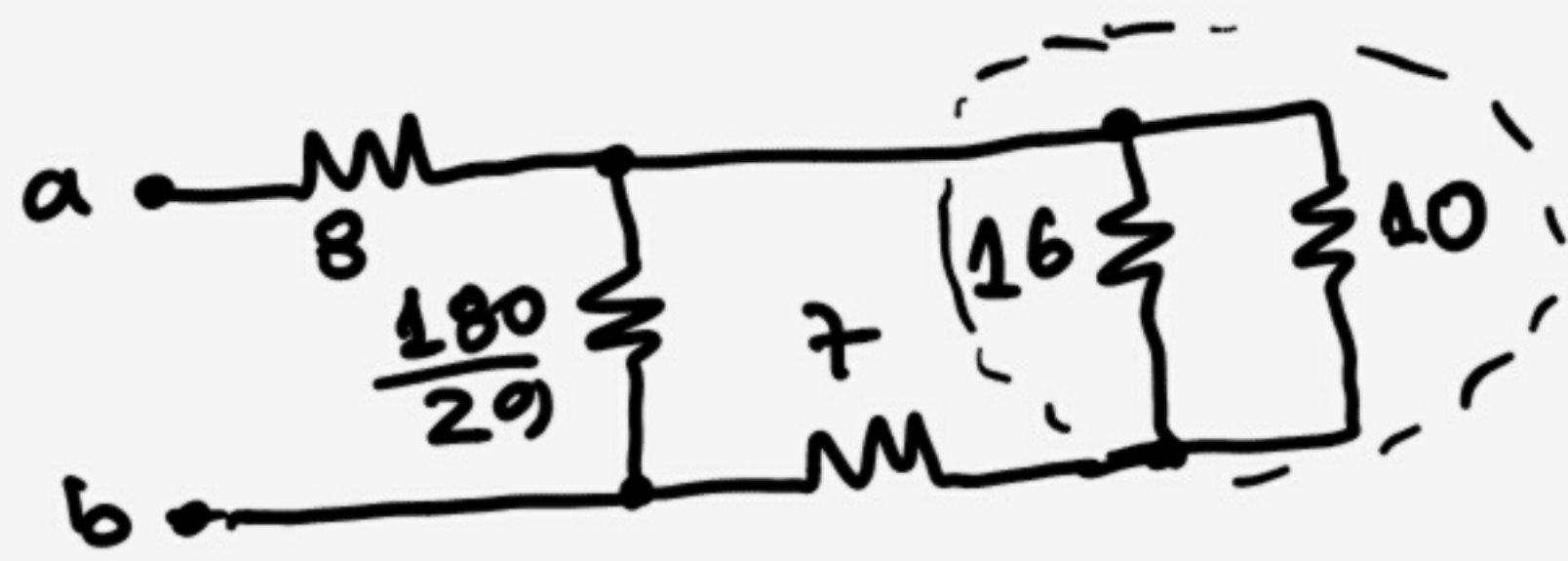


$$\frac{20 \times 9}{20 + 9} = \frac{180}{29}$$

$$\frac{15 \times 10}{15 + 10} = \frac{150}{25} = 6$$



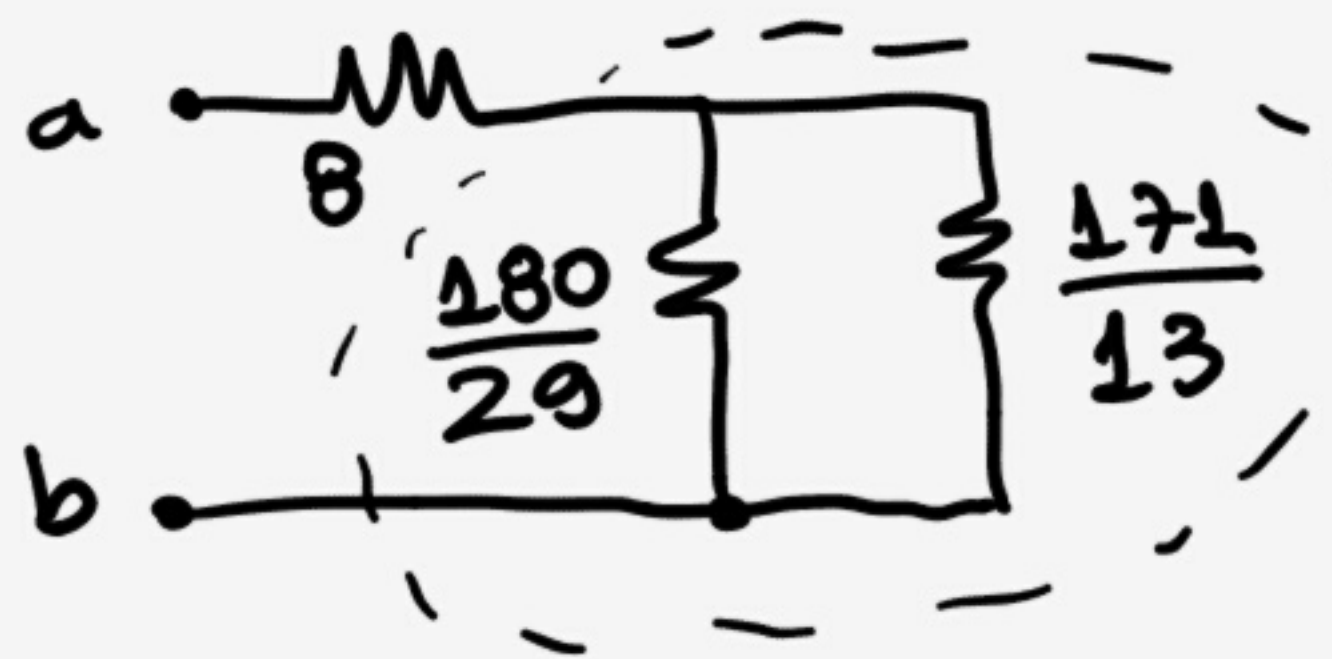
Serie:  $6 + 4 = 10$



Paralelo:  $\frac{16 \times 10}{16 + 10} = \frac{160}{26} = \frac{80}{13}$

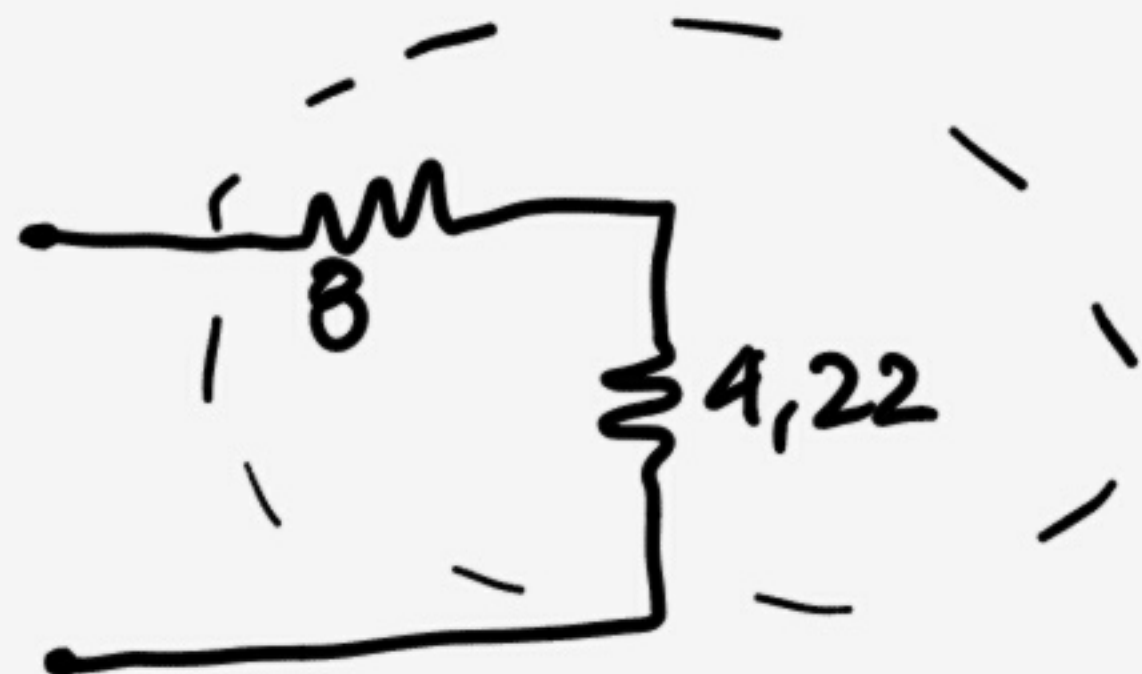


Serie:  $\frac{80}{13} + 7 = \frac{171}{13}$



Paralelo:

$$\frac{\frac{180}{29} \times \frac{171}{13}}{\frac{180}{29} + \frac{171}{13}} = 4,22$$



Serie:

$$8 + 4,22 = 12,22$$



