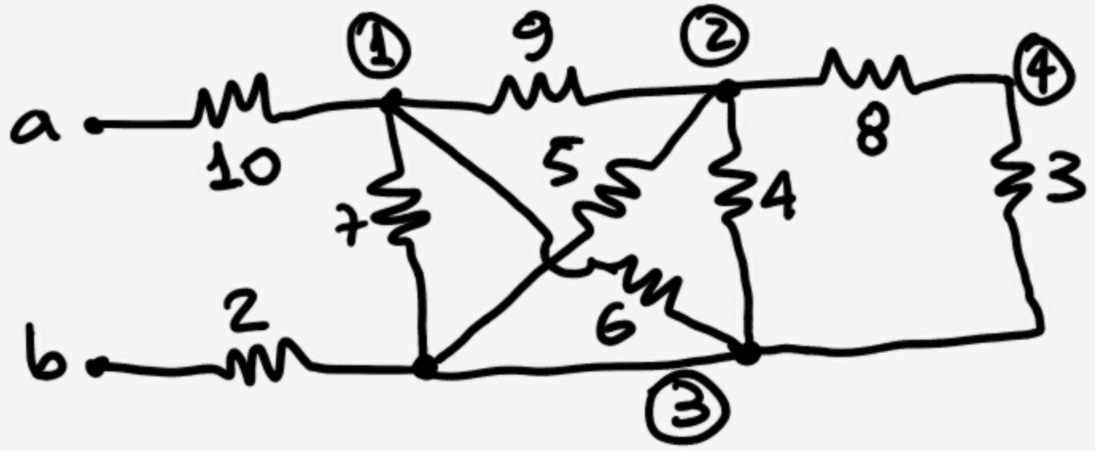
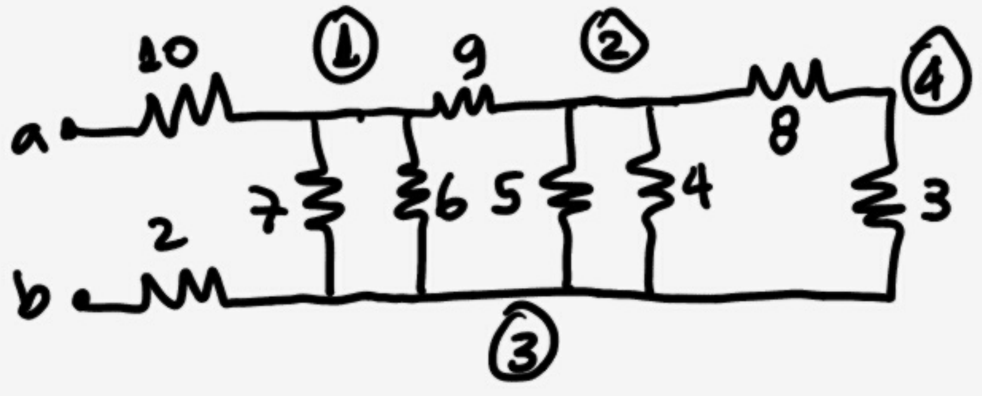
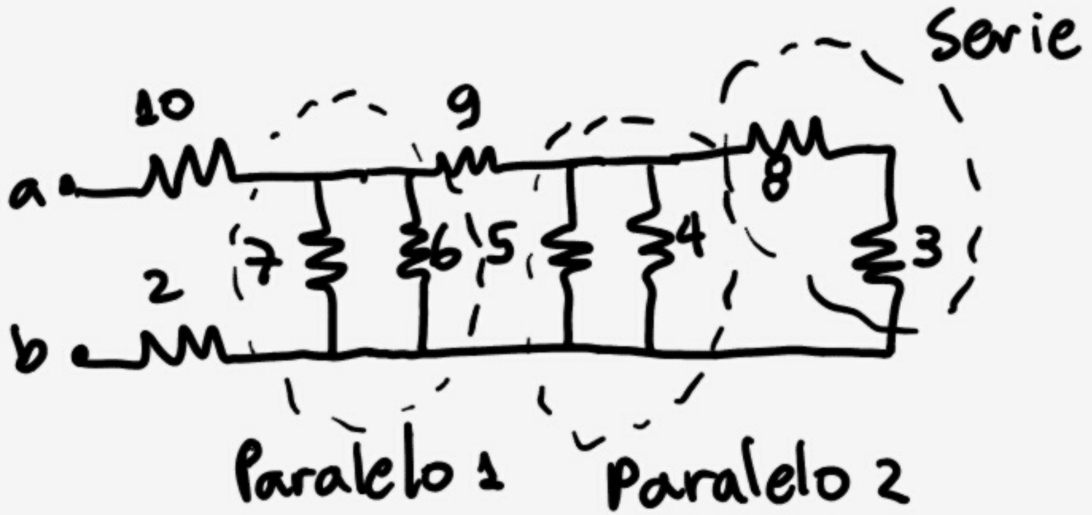
Encontrar la resistencia equivalente R_{ab}:



Solución:

Presentando el circuito de otra manera para facilitar su análisis:

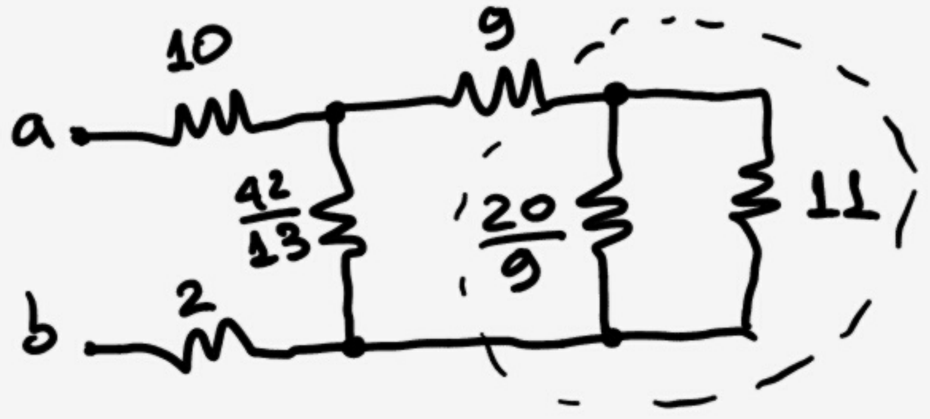




Serie: $8+3=11$

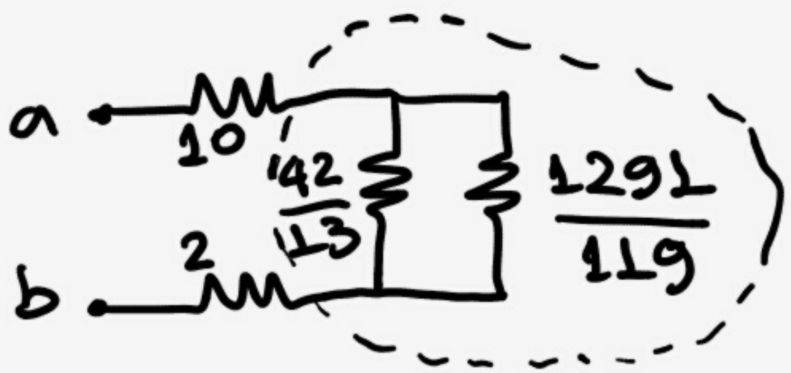
Paralelo 1: $\frac{7x6}{7+6} = \frac{42}{13}$

Paralelo 2: $\frac{5x4}{5+4} = \frac{20}{9}$



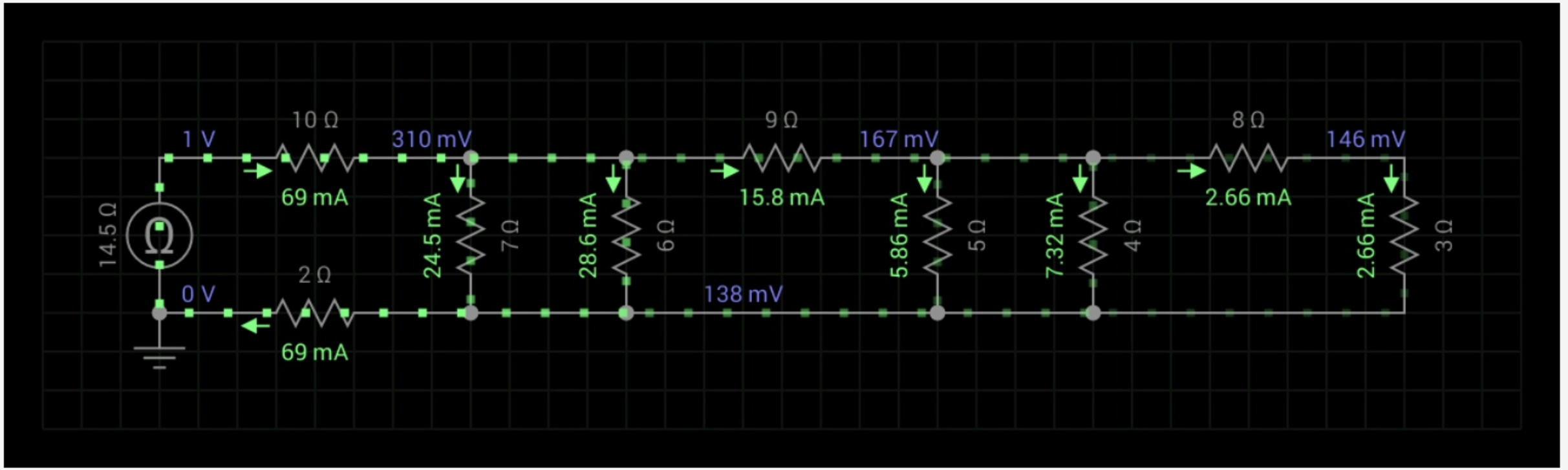
Paralelo: $\frac{\frac{20}{9} \times 11}{\frac{20}{9} + 11} = \frac{\frac{220}{9}}{\frac{119}{9}} = \frac{220}{119}$

Serie: $\frac{220}{119} + 9 = \frac{1291}{119}$



Paralelo: $\dfrac{\frac{42}{13} \times \frac{1291}{119}}{\frac{42}{13} + \frac{1291}{119}} = 2,5$

Serie: $10 + 2,5 + 2 = 14,5$


14.5 Ω
1 V
10 Ω
310 mV
9 Ω
167 mV
8 Ω
146 mV
69 mA
15.8 mA
2.66 mA
24.5 mA
7 Ω
28.6 mA
6 Ω
5.86 mA
5 Ω
7.32 mA
4 Ω
2.66 mA
3 Ω
138 mV
0 V
2 Ω
69 mA