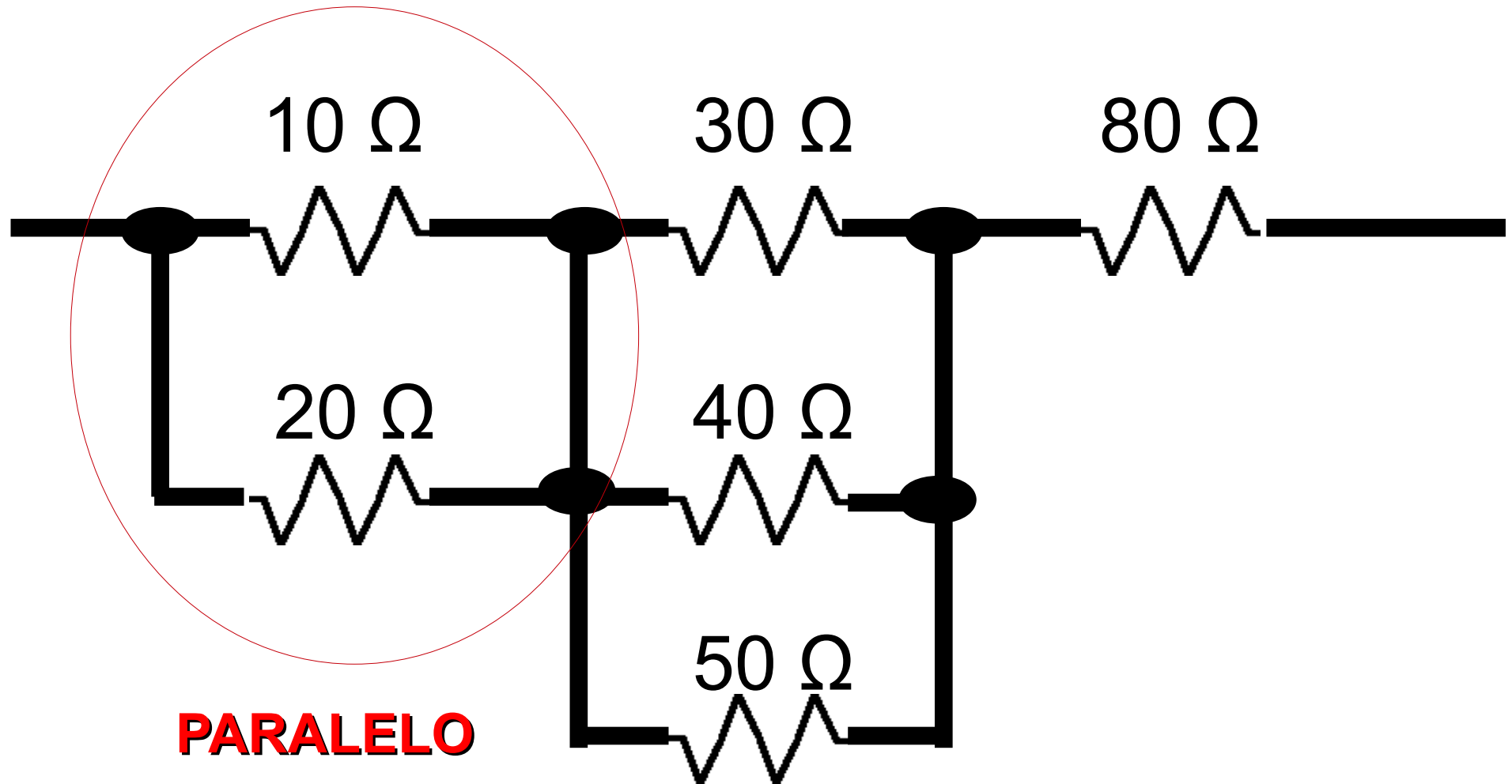
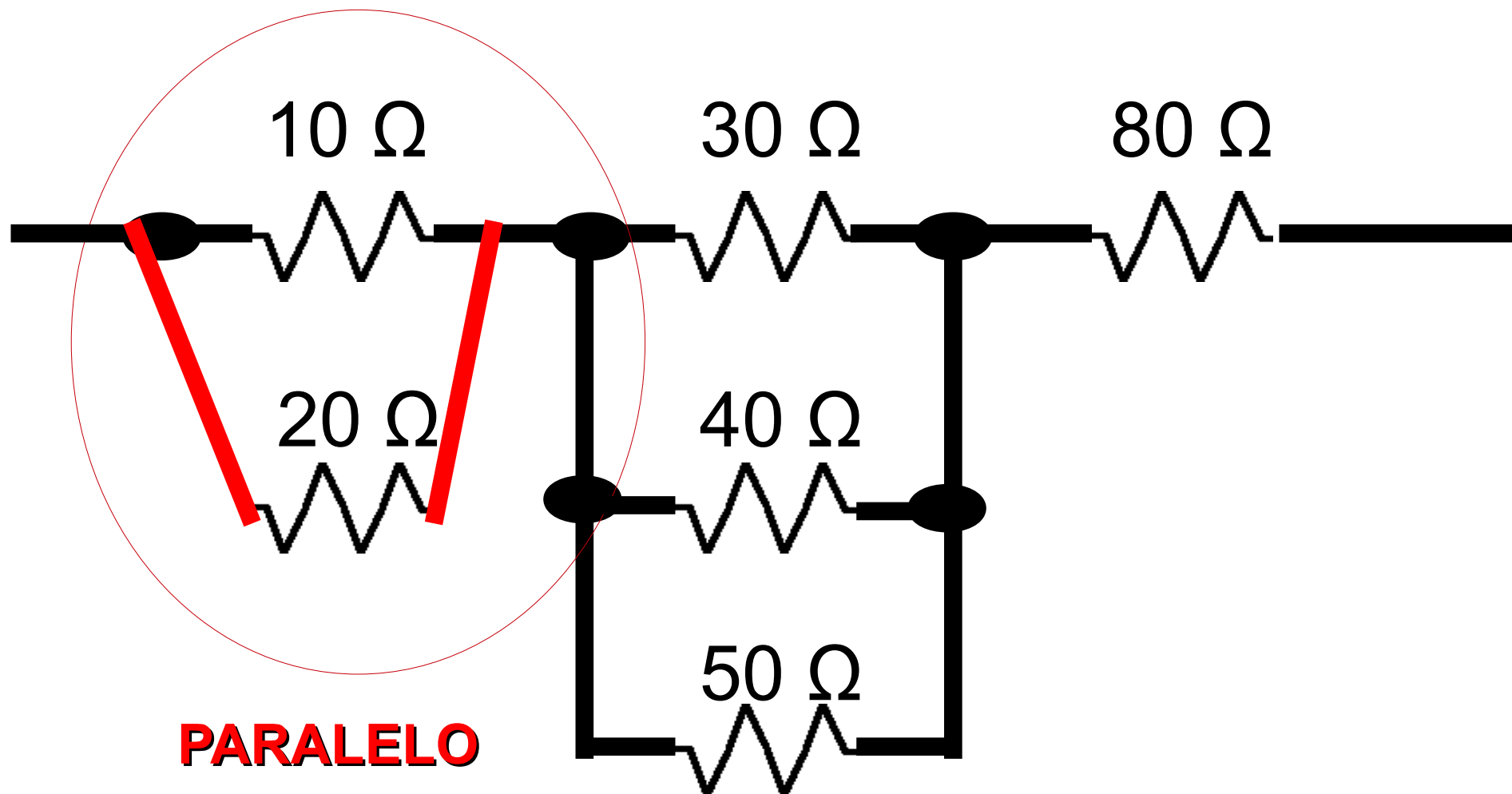
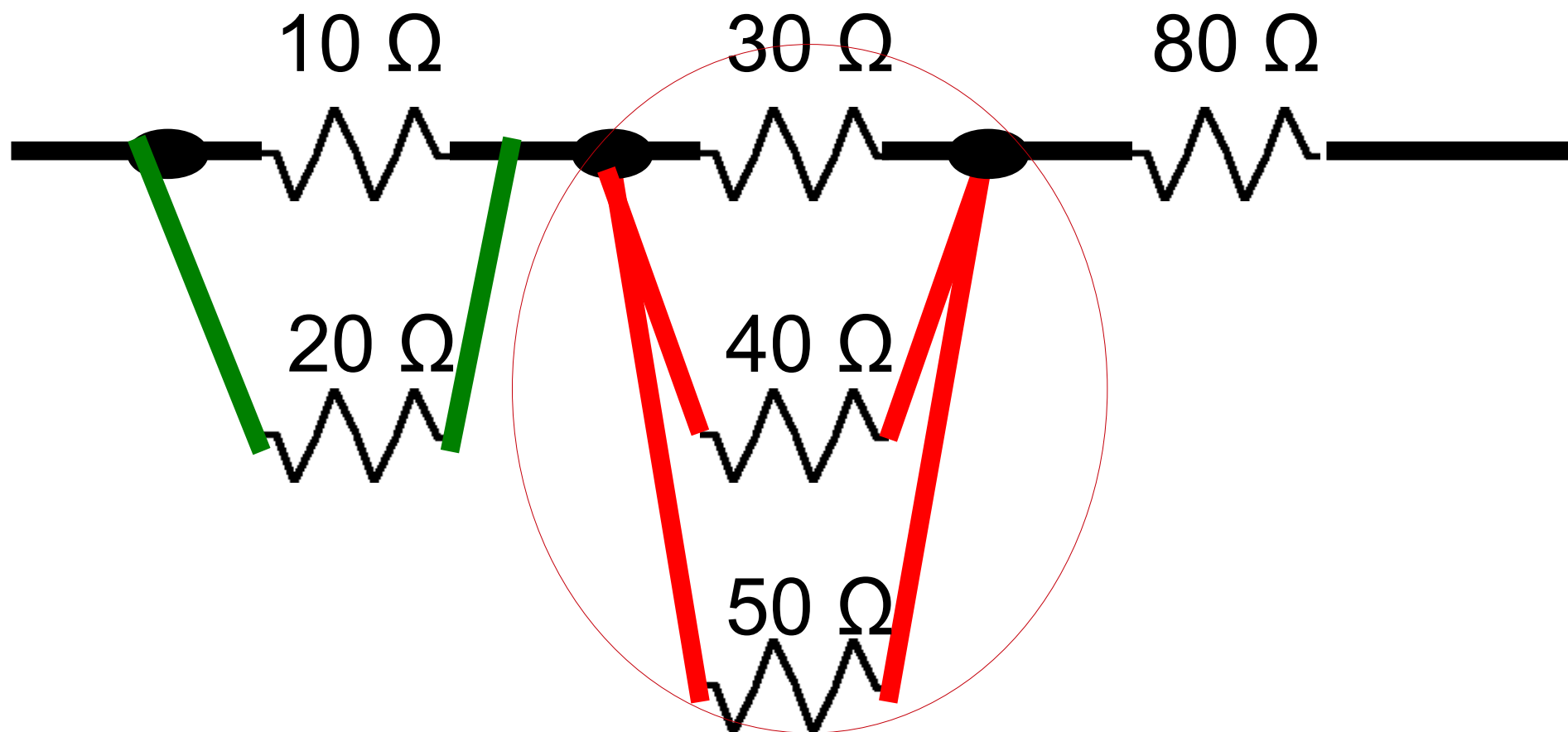


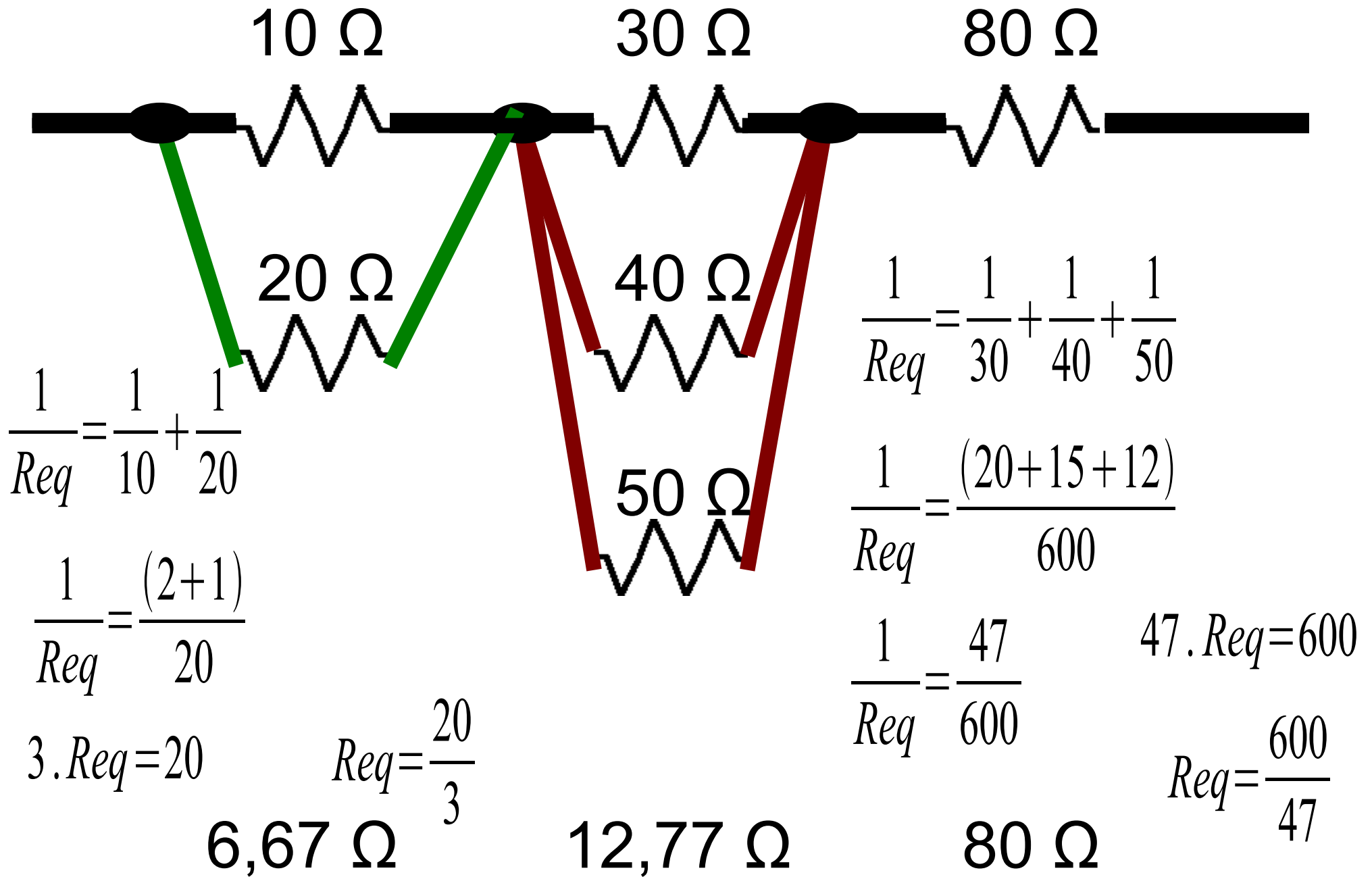
Associação de Resistores em Paralelo

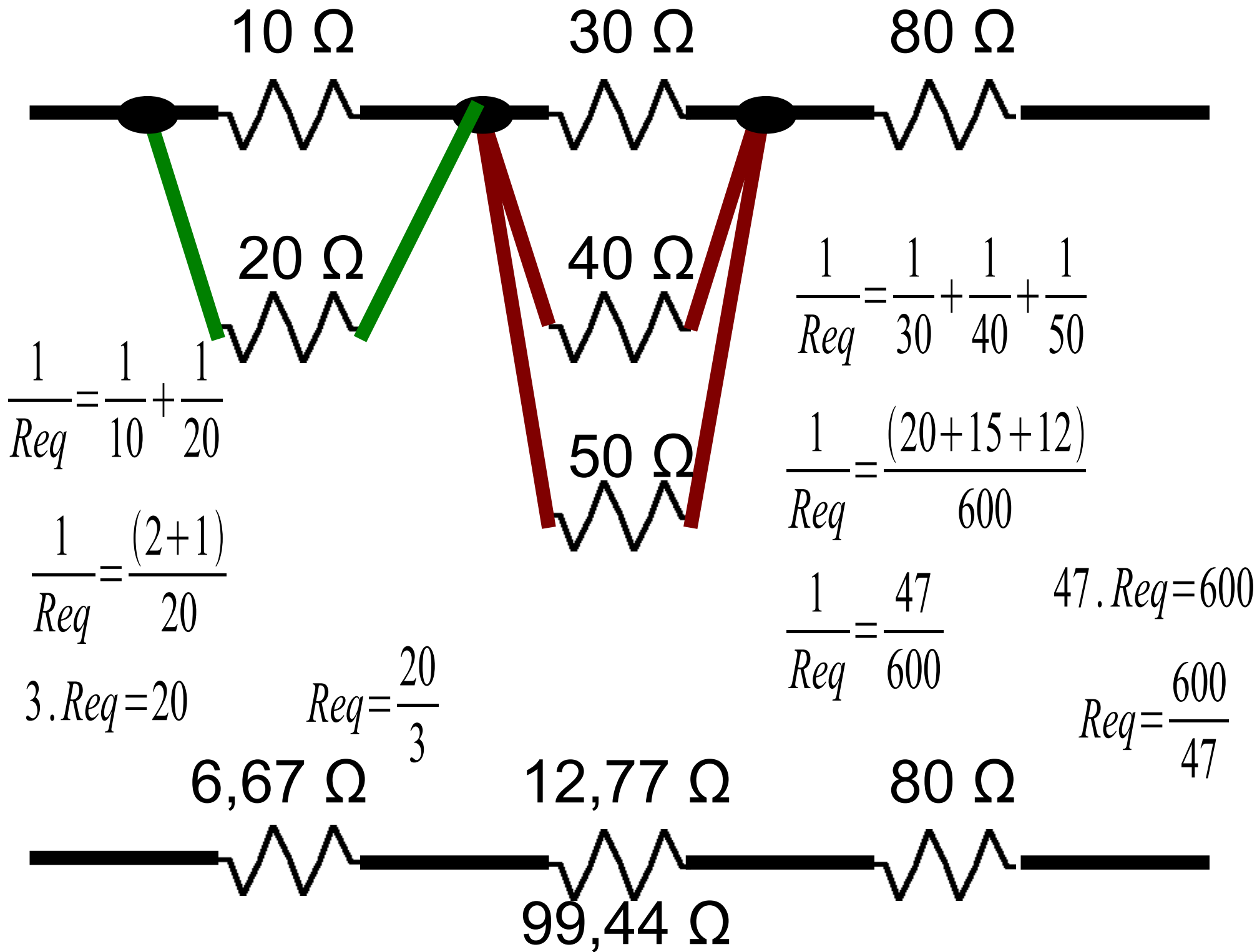






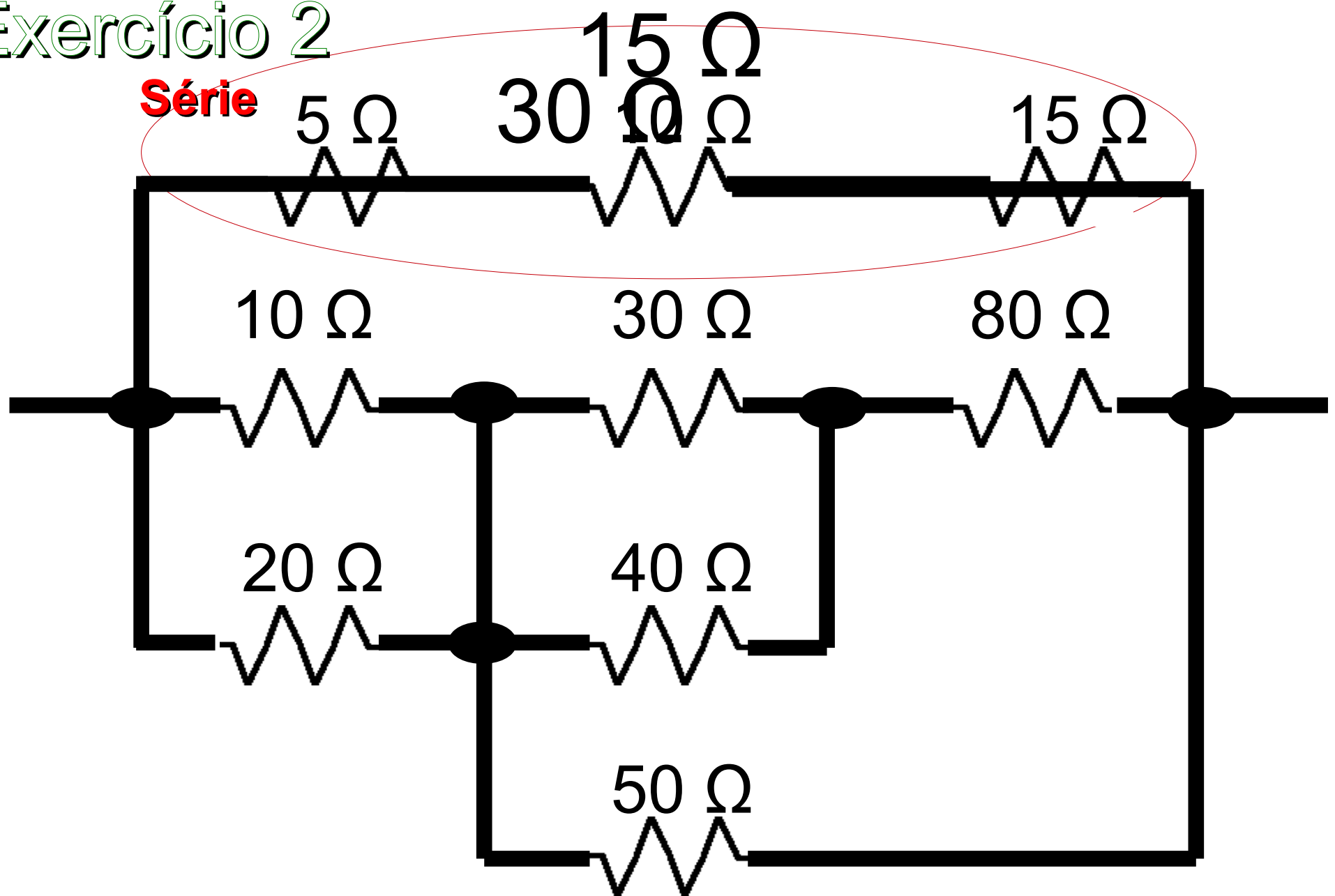
PARALELO

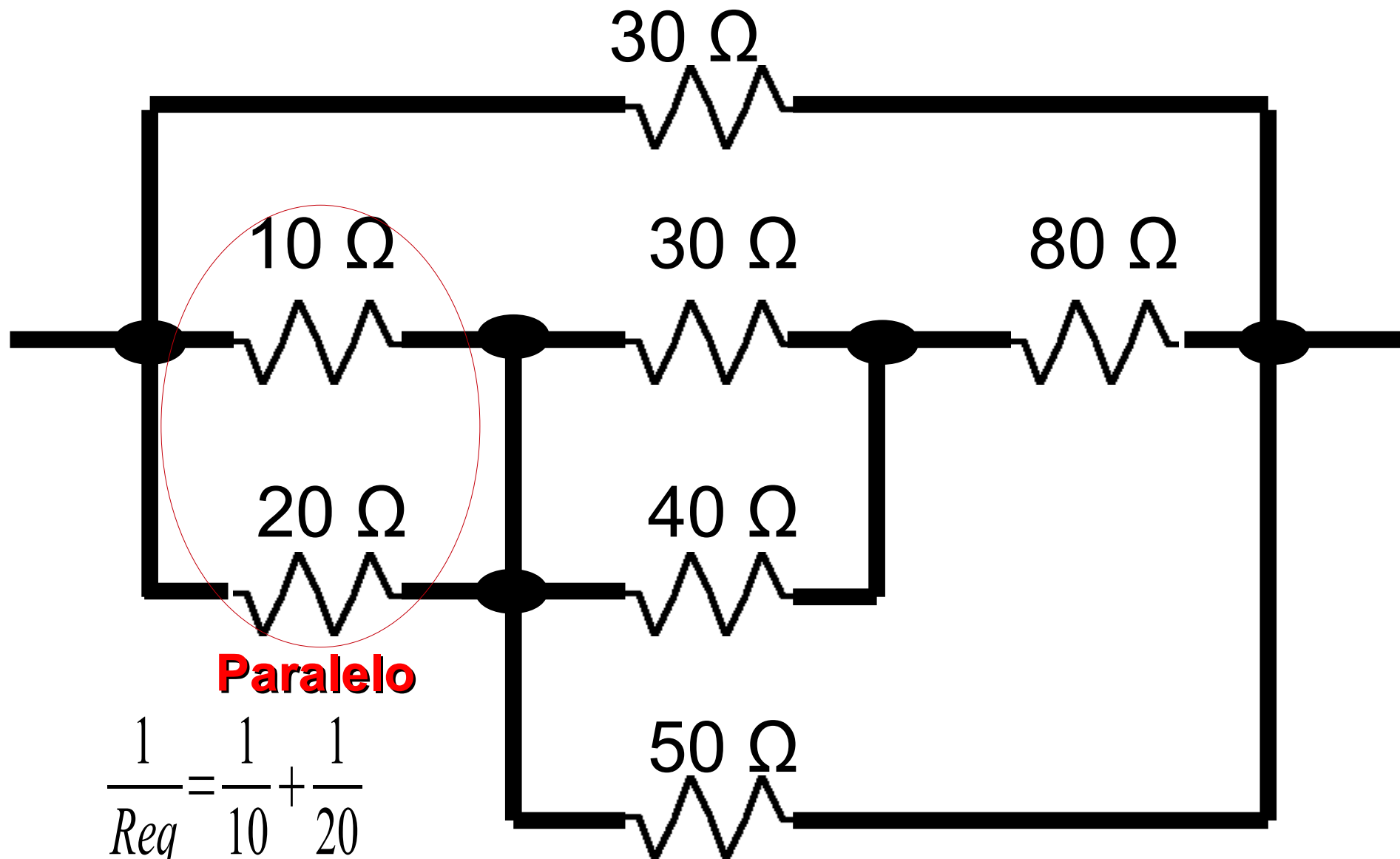




Exercício 2

Série





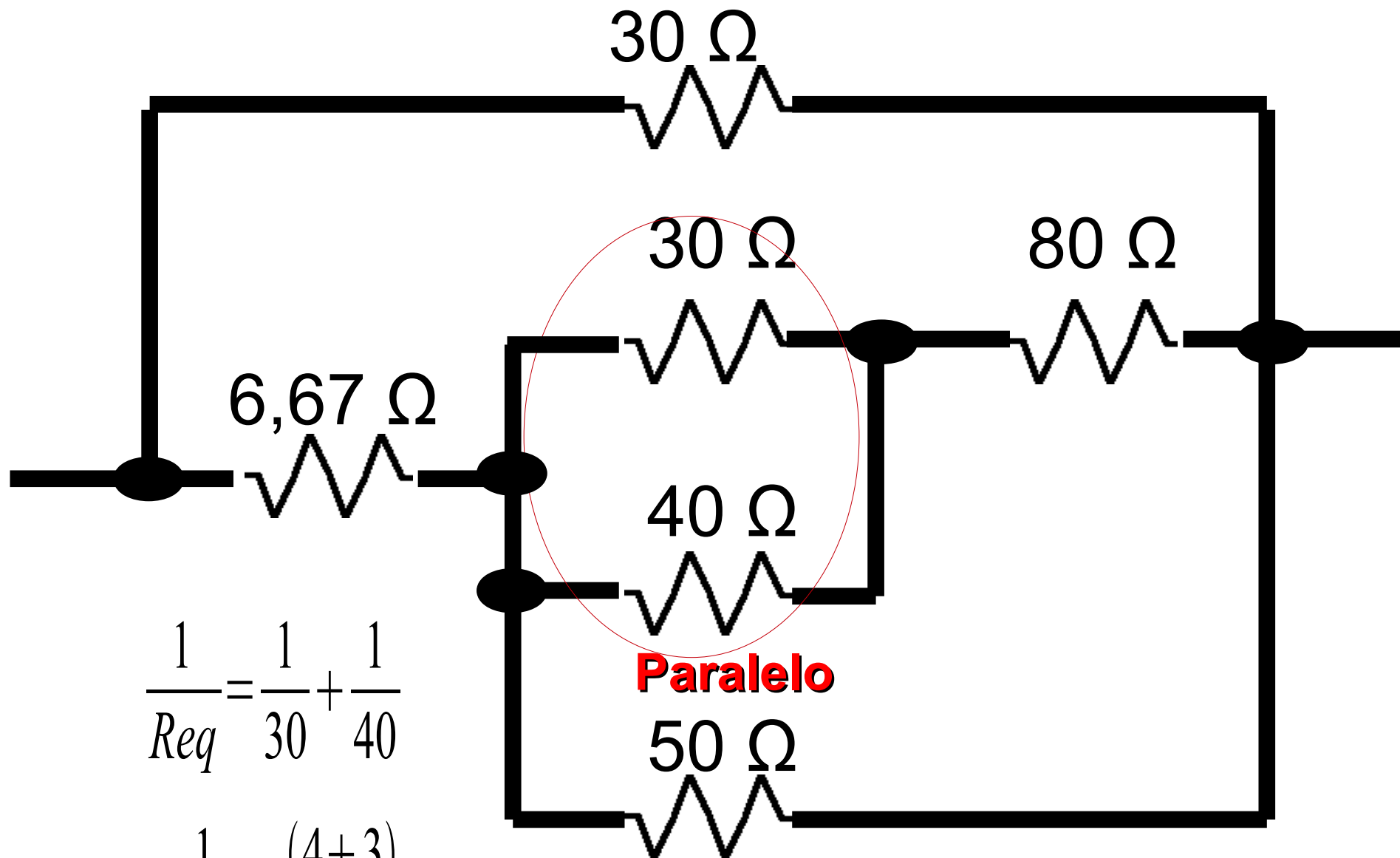
$$\frac{1}{Req} = \frac{1}{10} + \frac{1}{20}$$

$$\frac{1}{Req} = \frac{(2+1)}{20}$$

$$3 \cdot Req = 20$$

$$Req = \frac{20}{3}$$

$$6,67\ \Omega$$

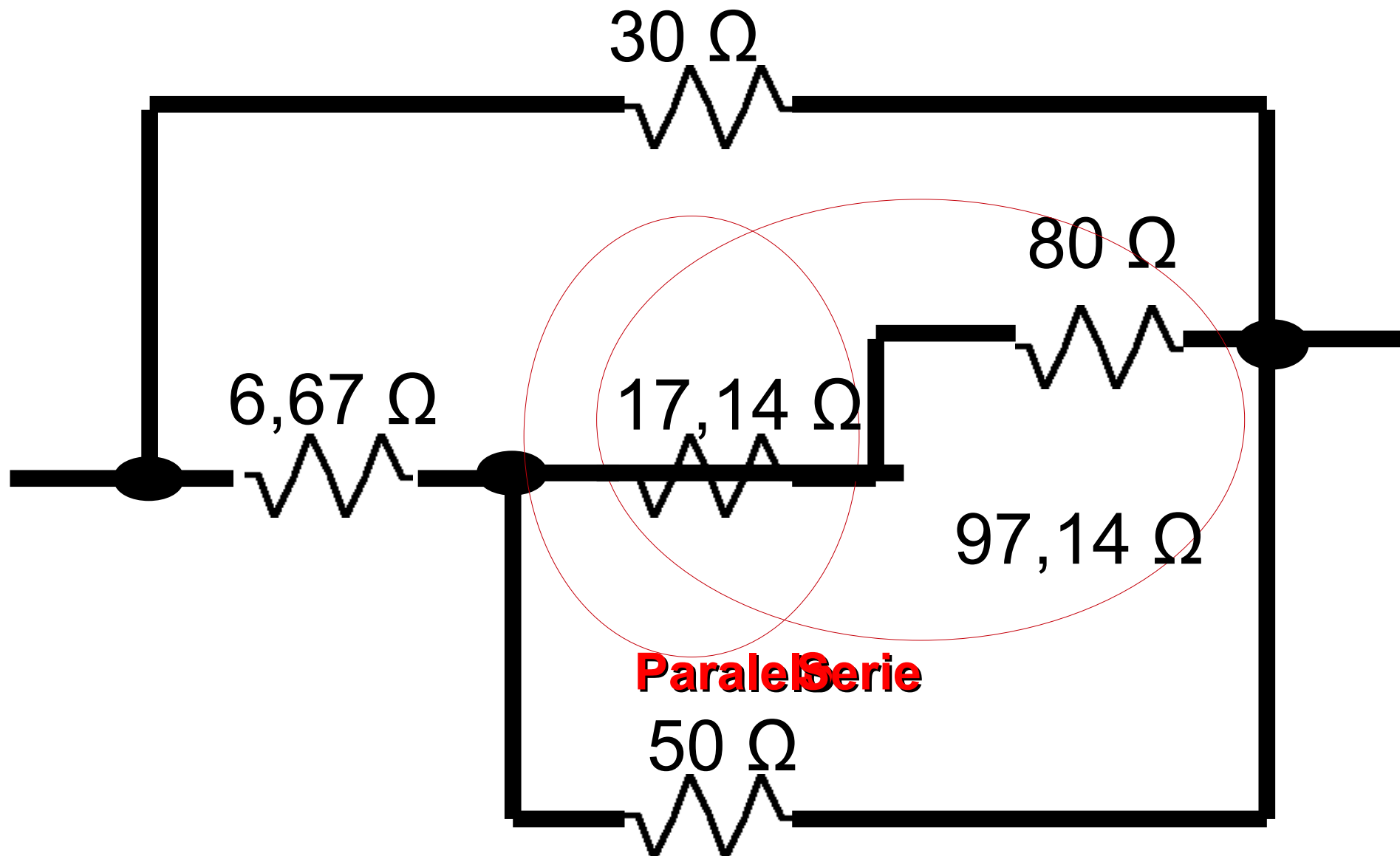
$$\frac{1}{Req} = \frac{1}{30} + \frac{1}{40}$$

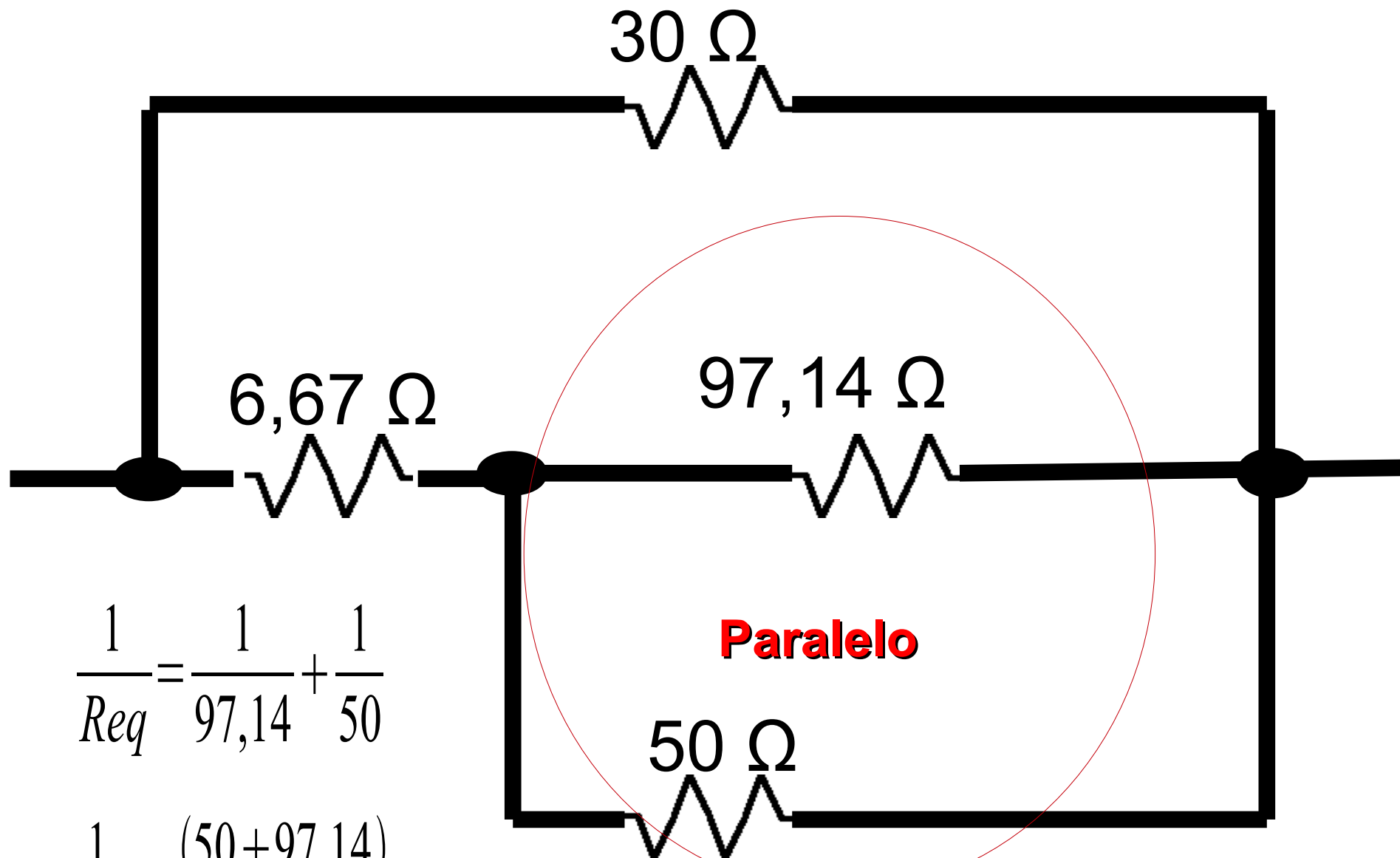
$$\frac{1}{Req} = \frac{(4+3)}{120}$$

$$7 \cdot Req = 120$$

$$Req = \frac{120}{7}$$

$$17,14 \, \Omega$$





$$\frac{1}{Req} = \frac{1}{97,14} + \frac{1}{50}$$

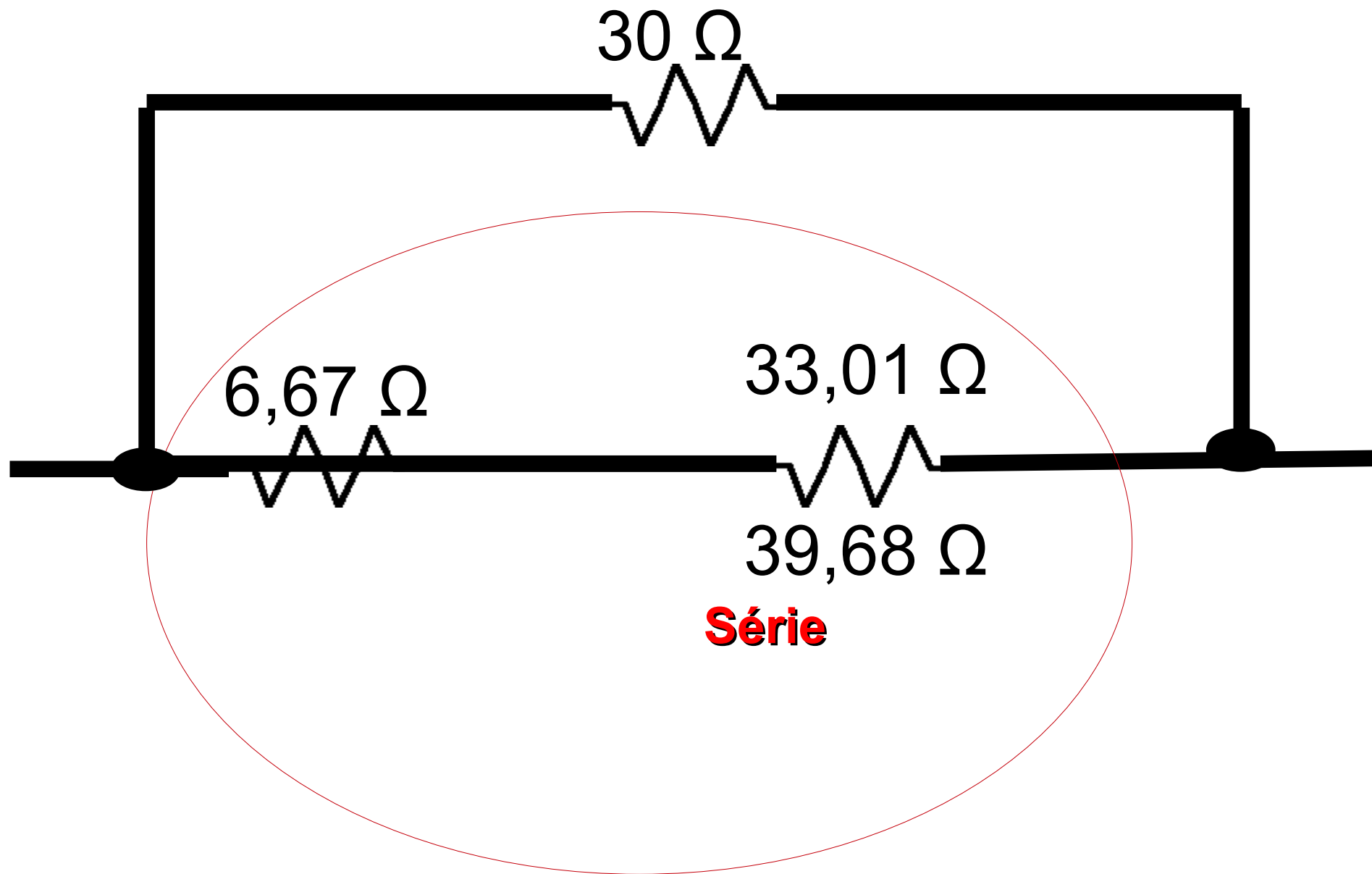
$$\frac{1}{Req} = \frac{(50 + 97,14)}{(97,14 \cdot 50)}$$

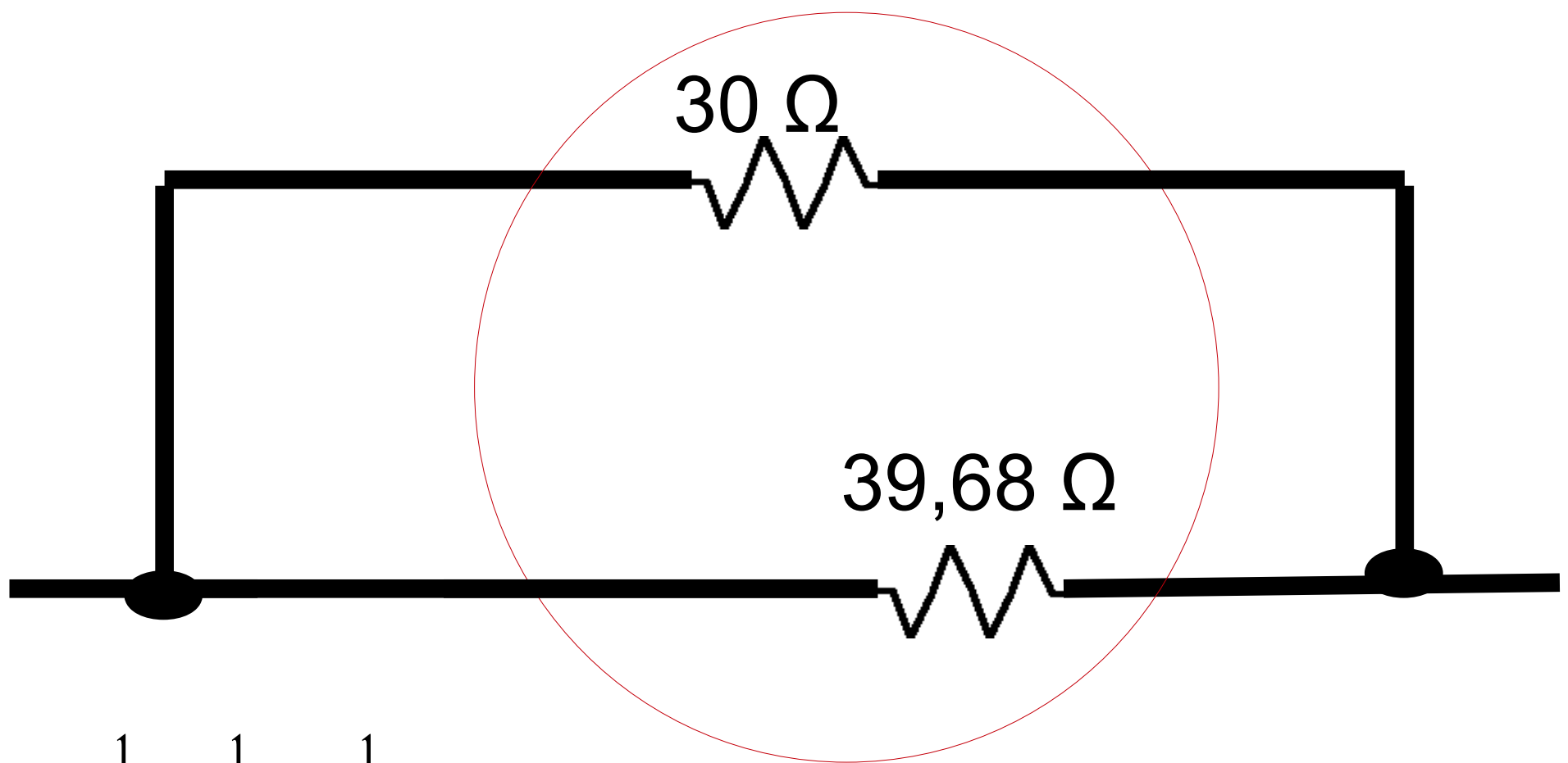
$$147,14 \cdot Req = 4857$$

$$Req = \frac{4857}{147,14}$$

$$33,01 \, \Omega$$







Paralelo

$$\frac{1}{Req} = \frac{1}{30} + \frac{1}{39,68}$$

$$\frac{1}{Req} = \frac{(39,68 + 30)}{(30 \cdot 39,68)}$$

$$69,68 \cdot Req = 1190,38$$

$$Req = \frac{1190,38}{69,68} \quad 17,08\ \Omega$$


17,08 Ω

