ELETRO I

Eletrotécnica I

Aula – Extra Revisão pós-prova

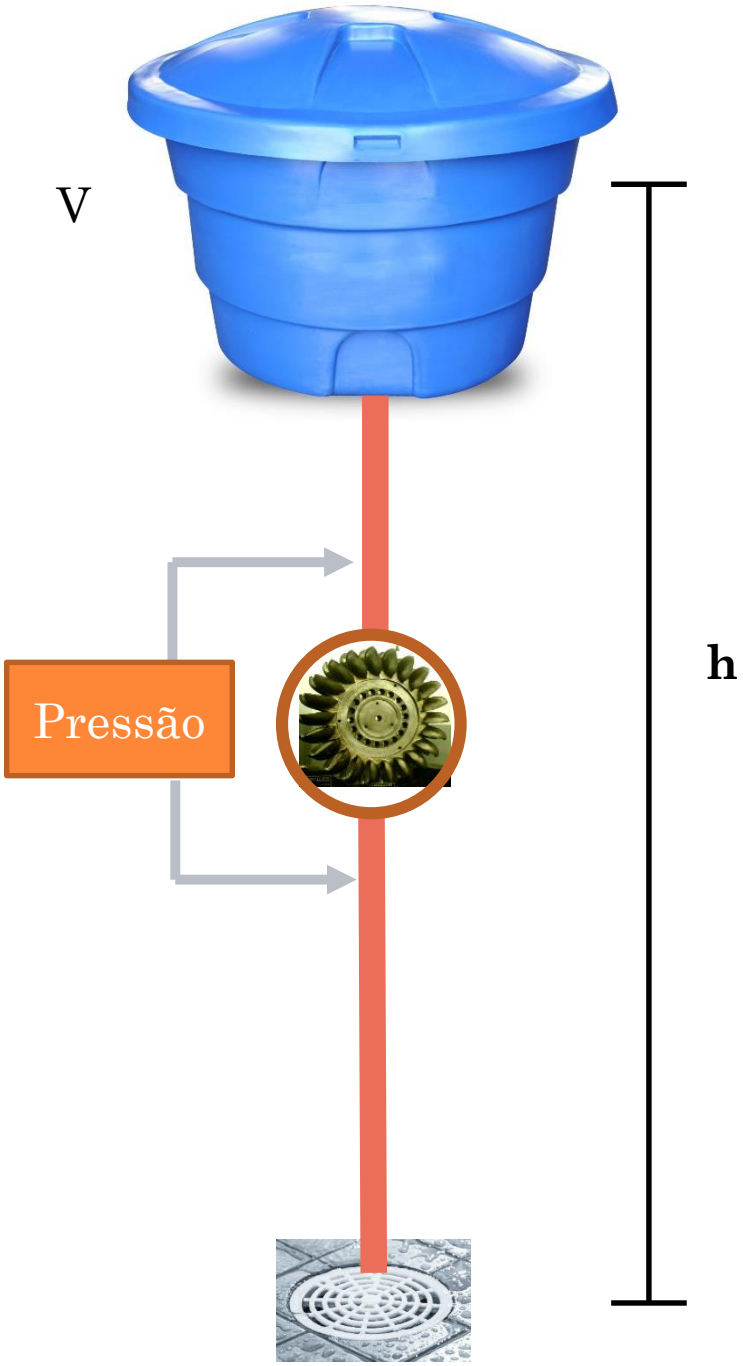
Eleilson Santos Silva

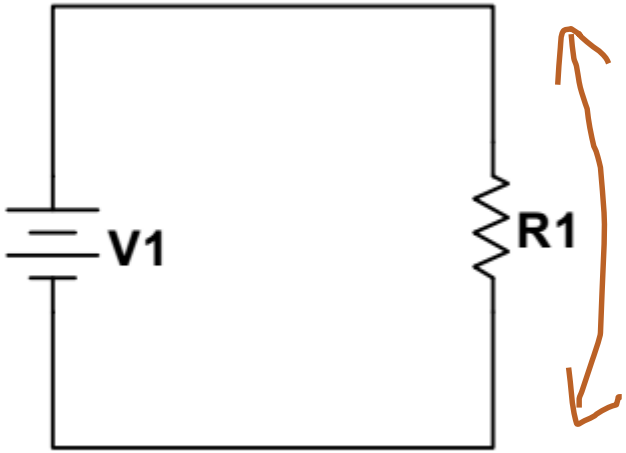
Sumário

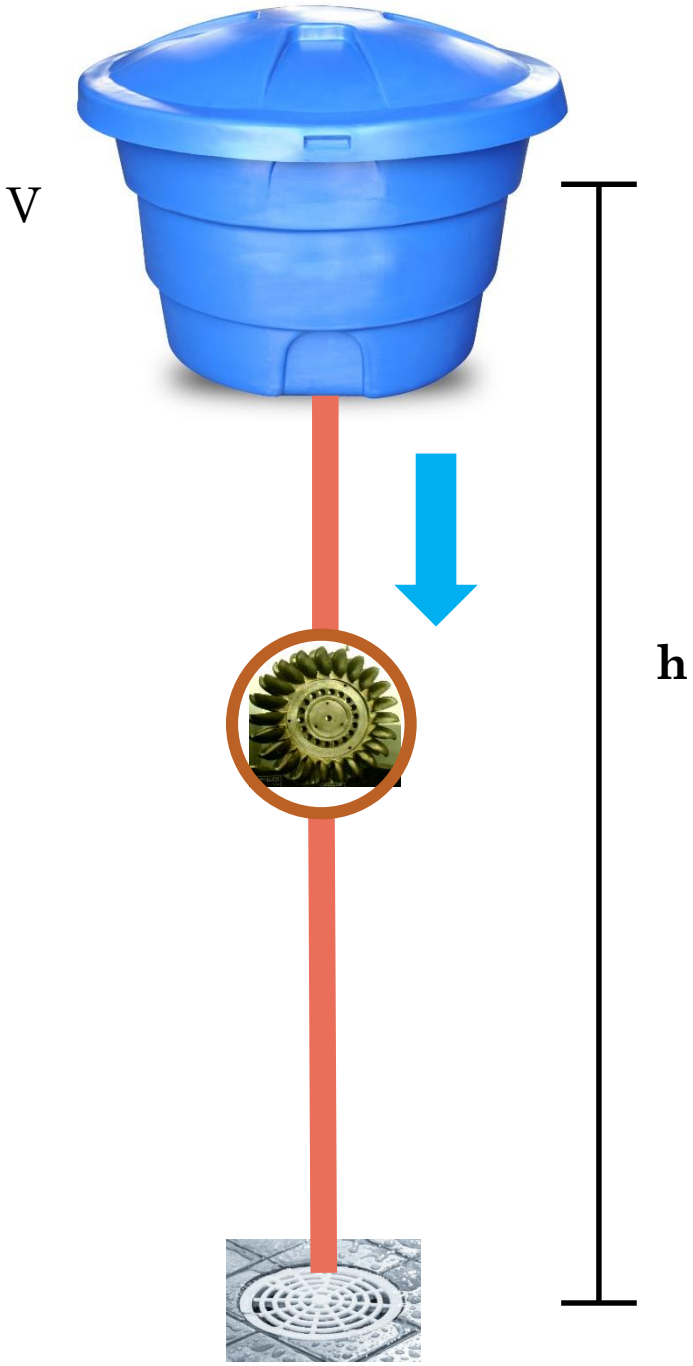
- **Tensão com a altura da caixa dágua**
- **Analogia da corrente com a água**
- **Lei de Ohm com essa abordagem**
- **Potência**
- **Conceito de circuito série e paralelo (água)**

- **Resolução de problemas de circuito**

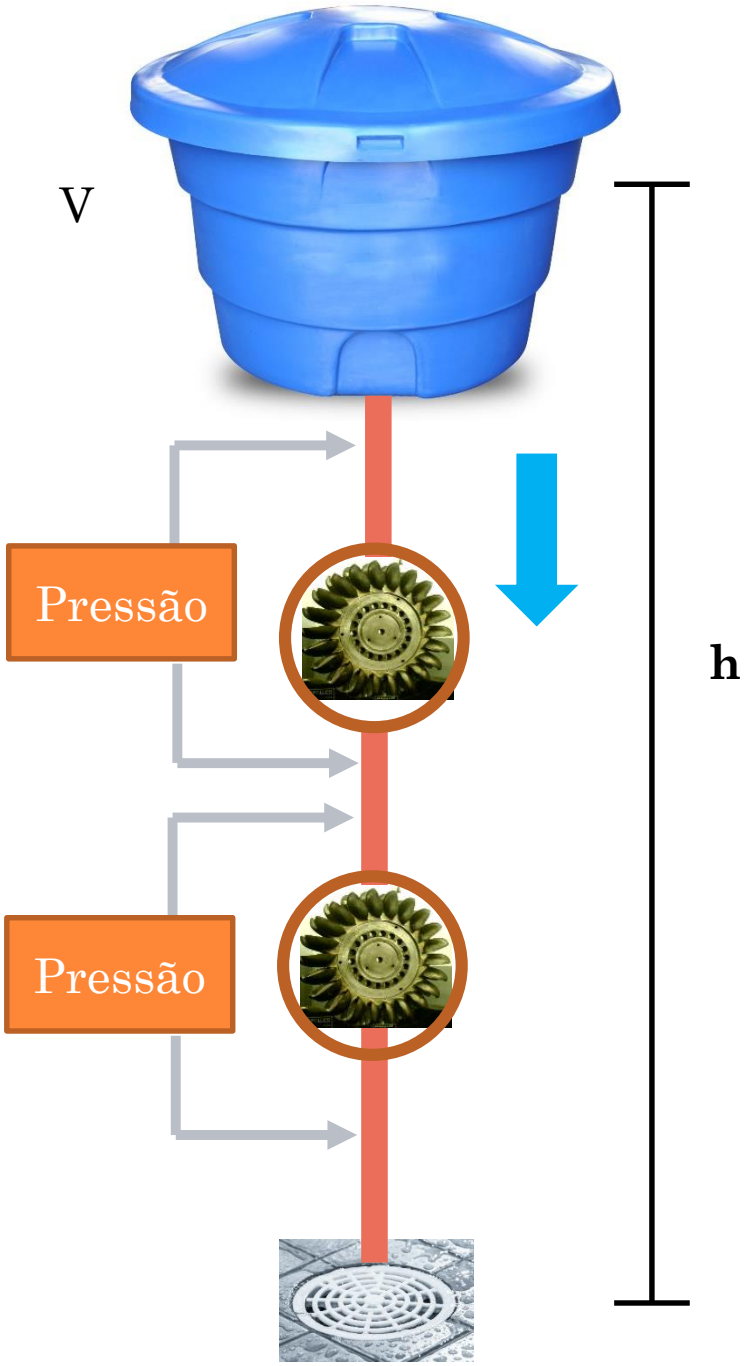
- **Elaborar ficha com resumão da disciplina para ser usada como consulta**

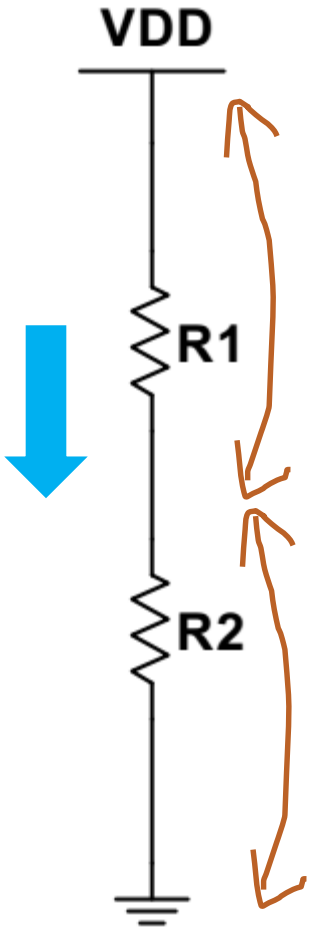

V
Pressão
h

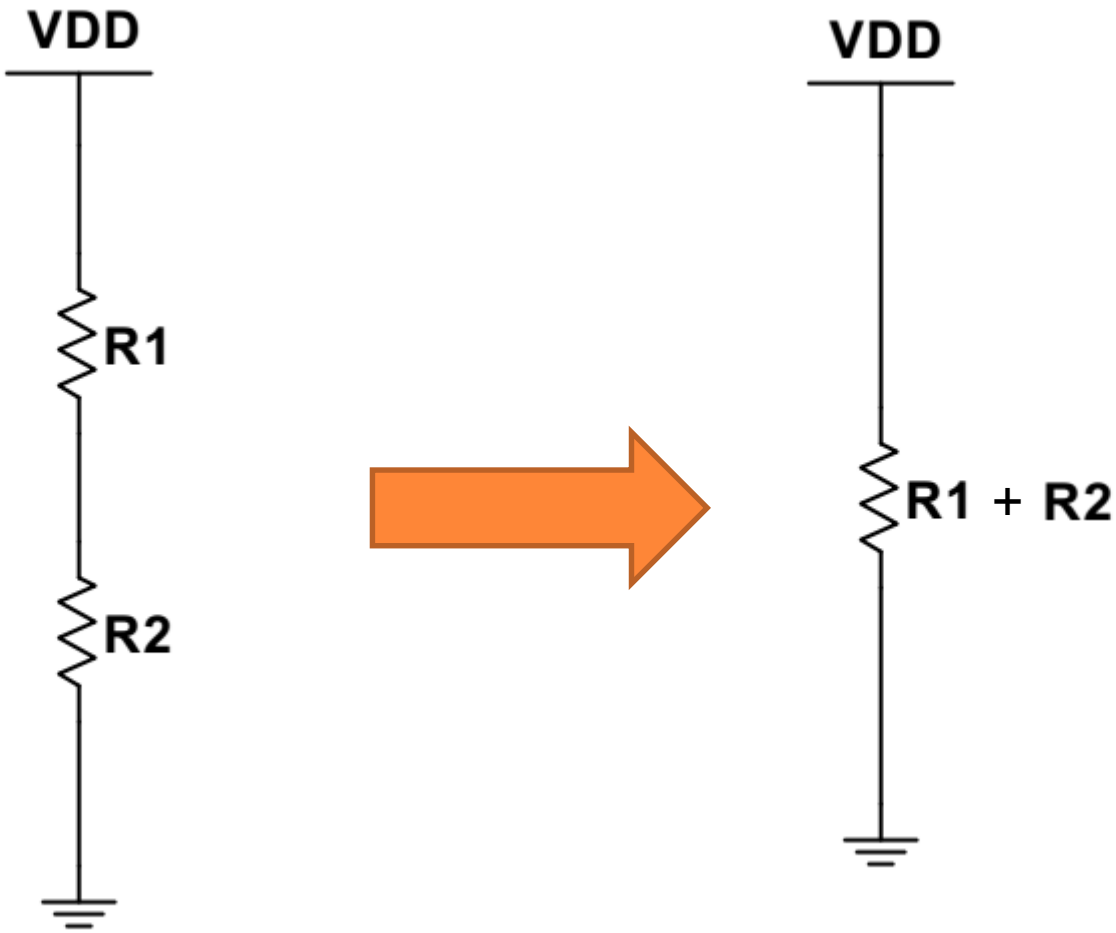

V1
R1


V
h


VDD
R1

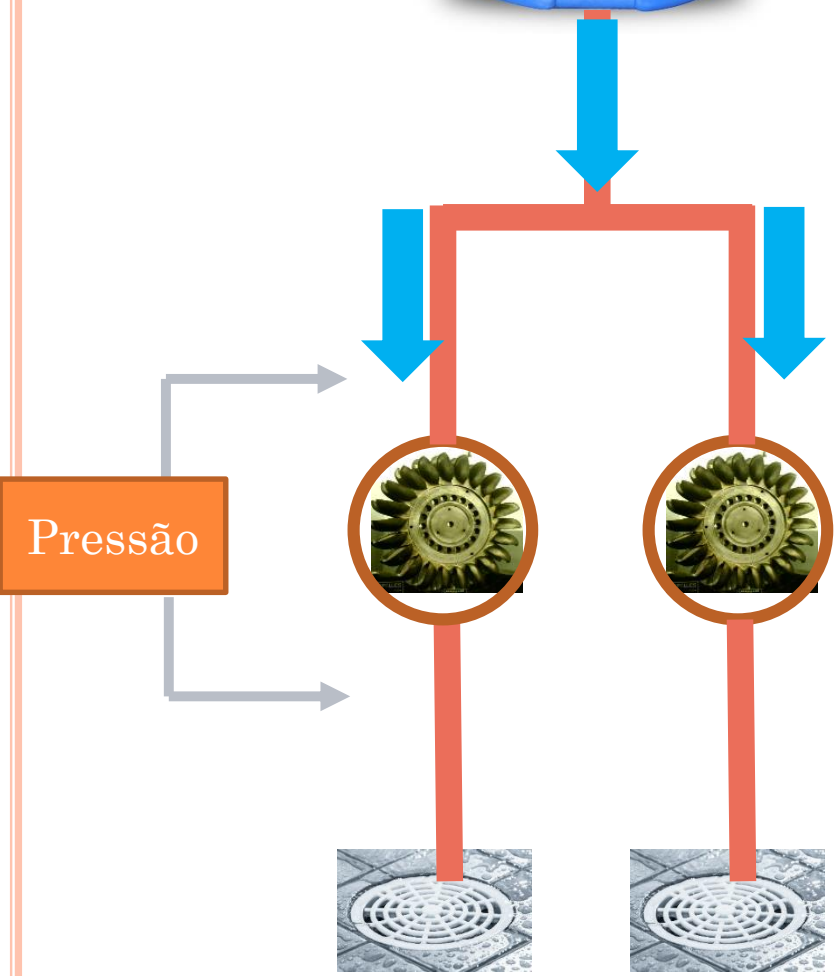

V
Pressão
Pressão
h

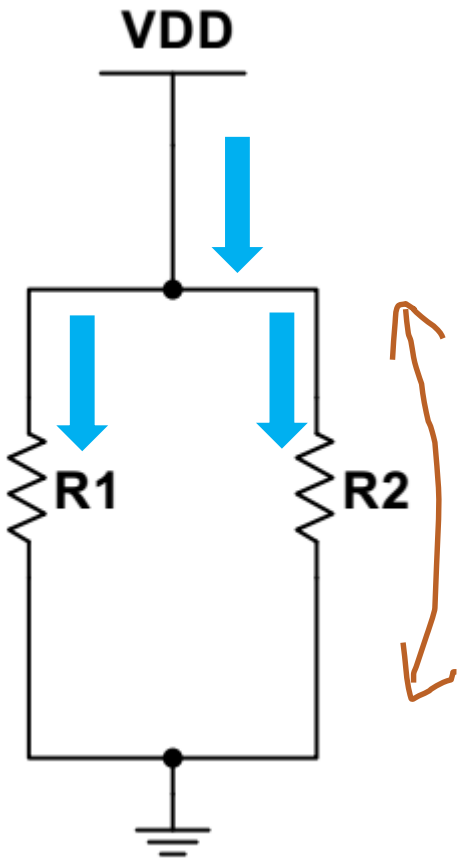

VDD
R1
R2

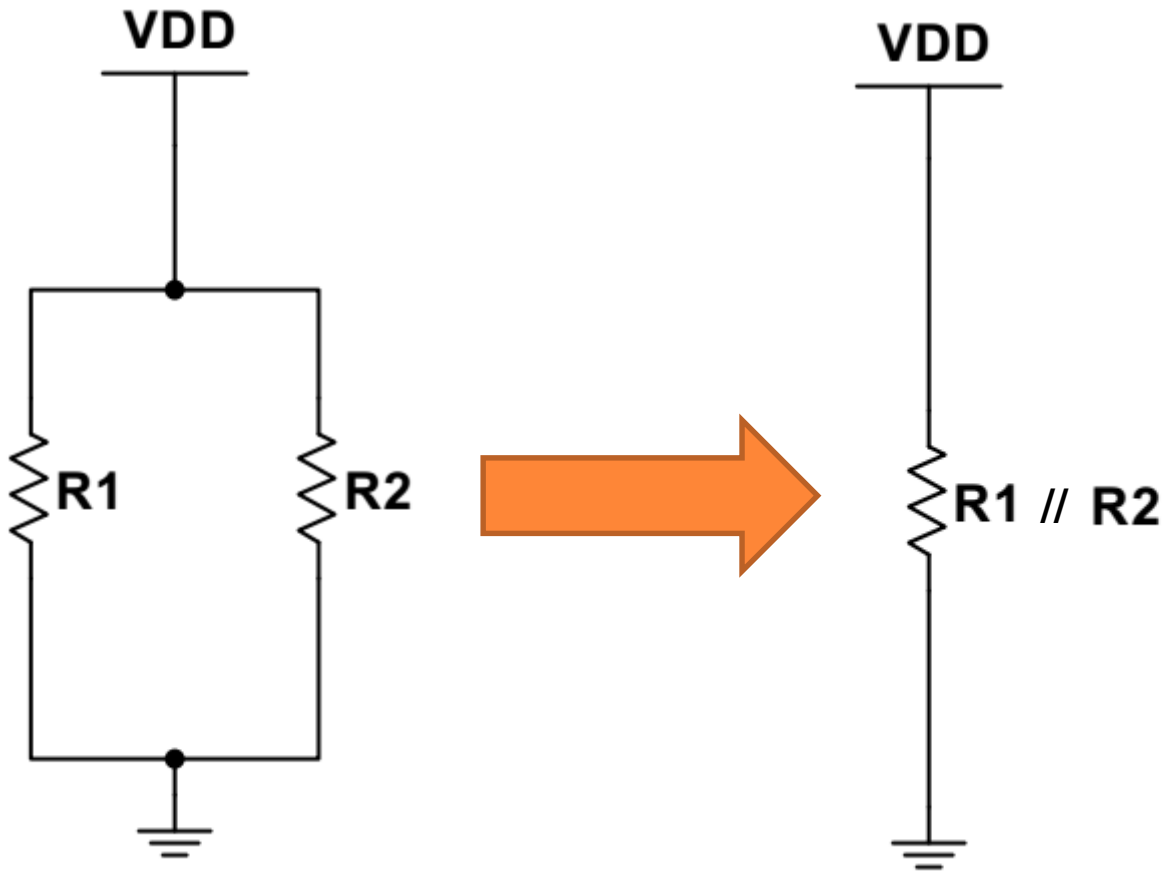

VDD
R1
R2
VDD
R1 + R2


Rua Rio Grande do Sul
Rua Bahia
Rua Paraná
Rua Rio de Janeiro
Rua Goiás
Rua São Paulo
Rua Amazonas
Rua Ceará
Hospital
Escola
Padaria
Supermercado
Biblioteca
Lanchonete
Correios
Banco
Posto de gasolina
Sorveteria

V

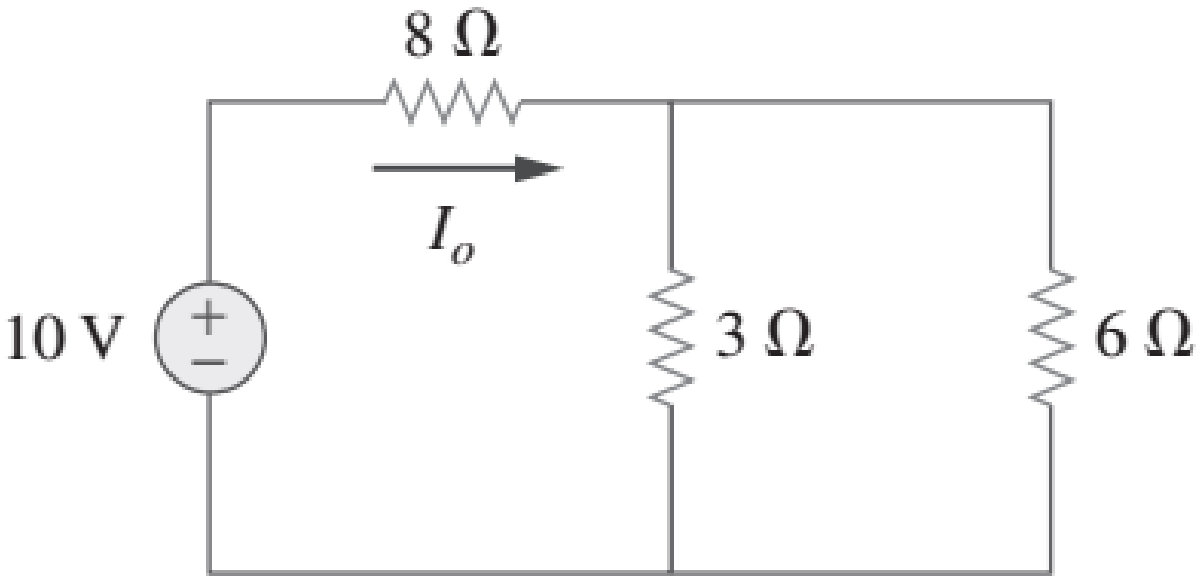


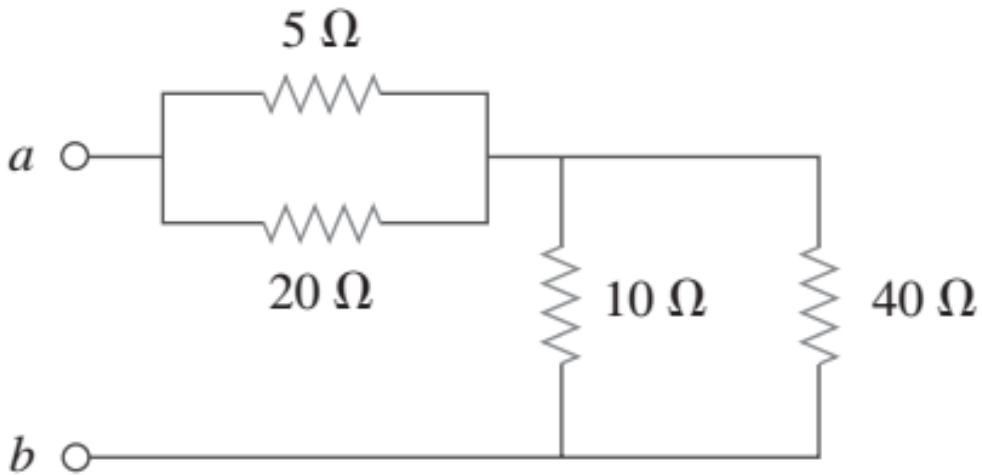




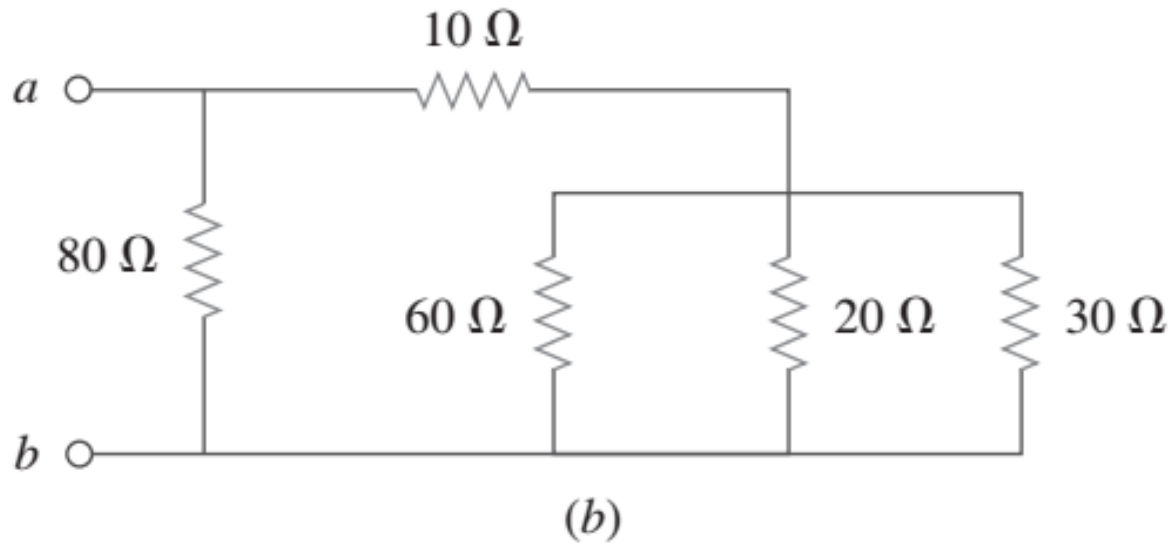
$$\frac{1}{R_T} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \cdots + \frac{1}{R_n}$$

- Nos circuitos seguintes, calcule e resistência equivalente “vista” pela fonte de tensão.

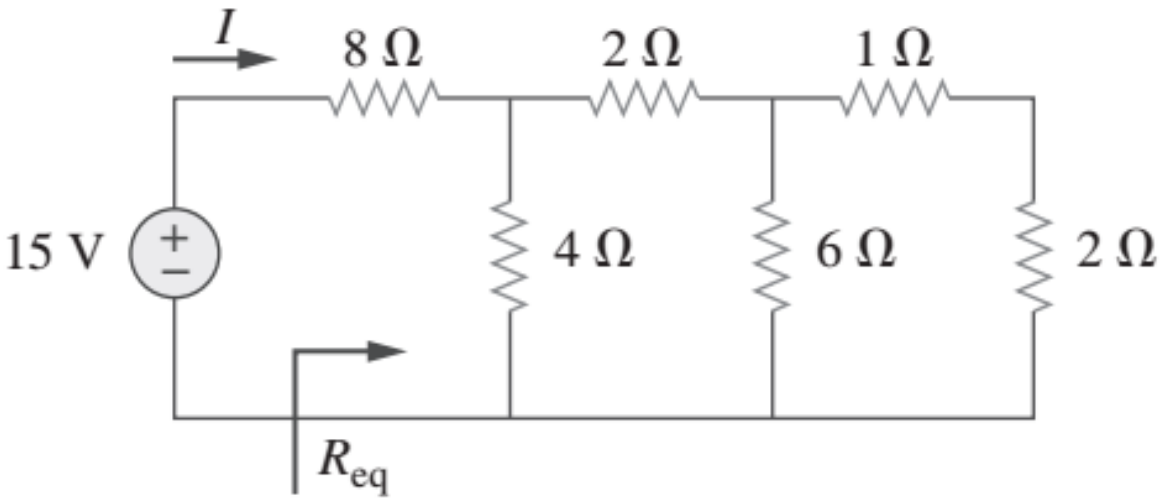


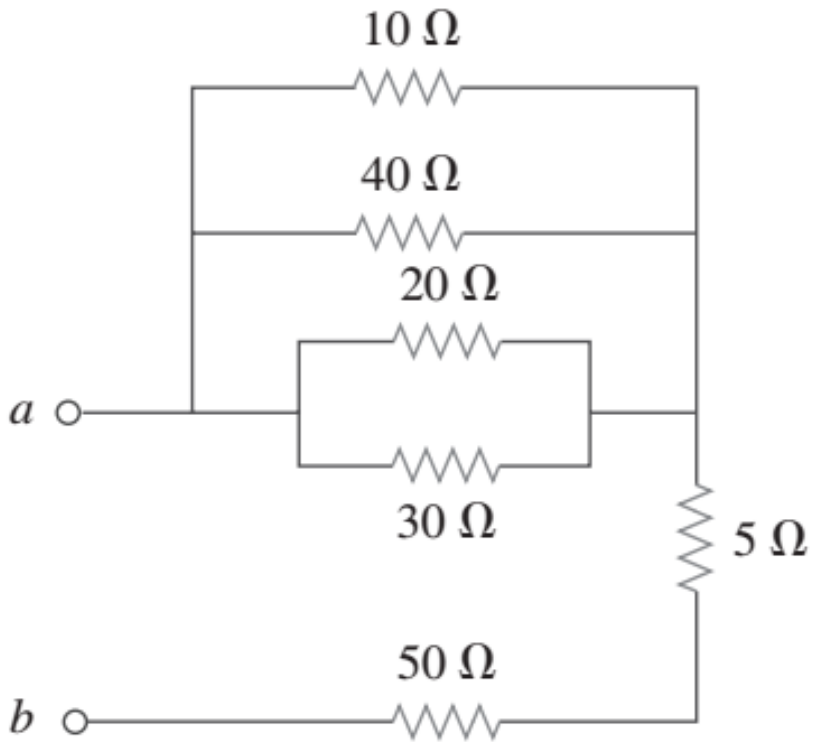


(*a*)

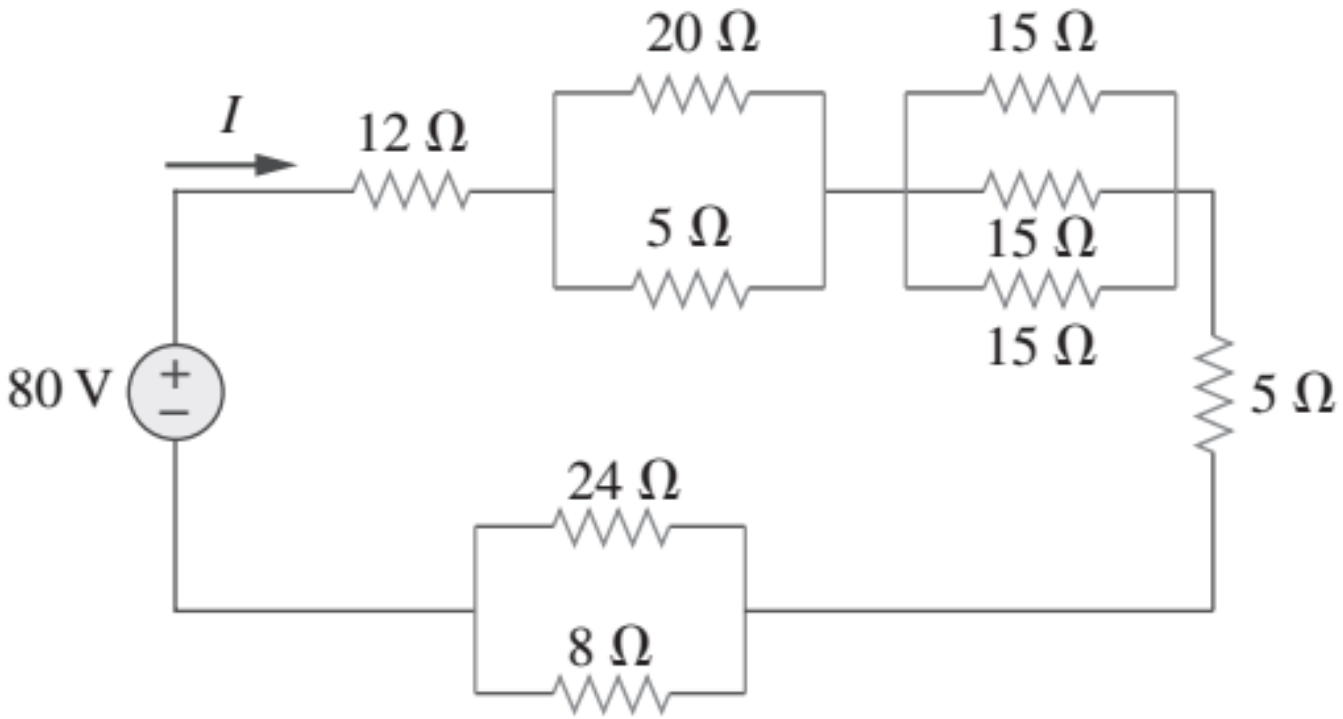


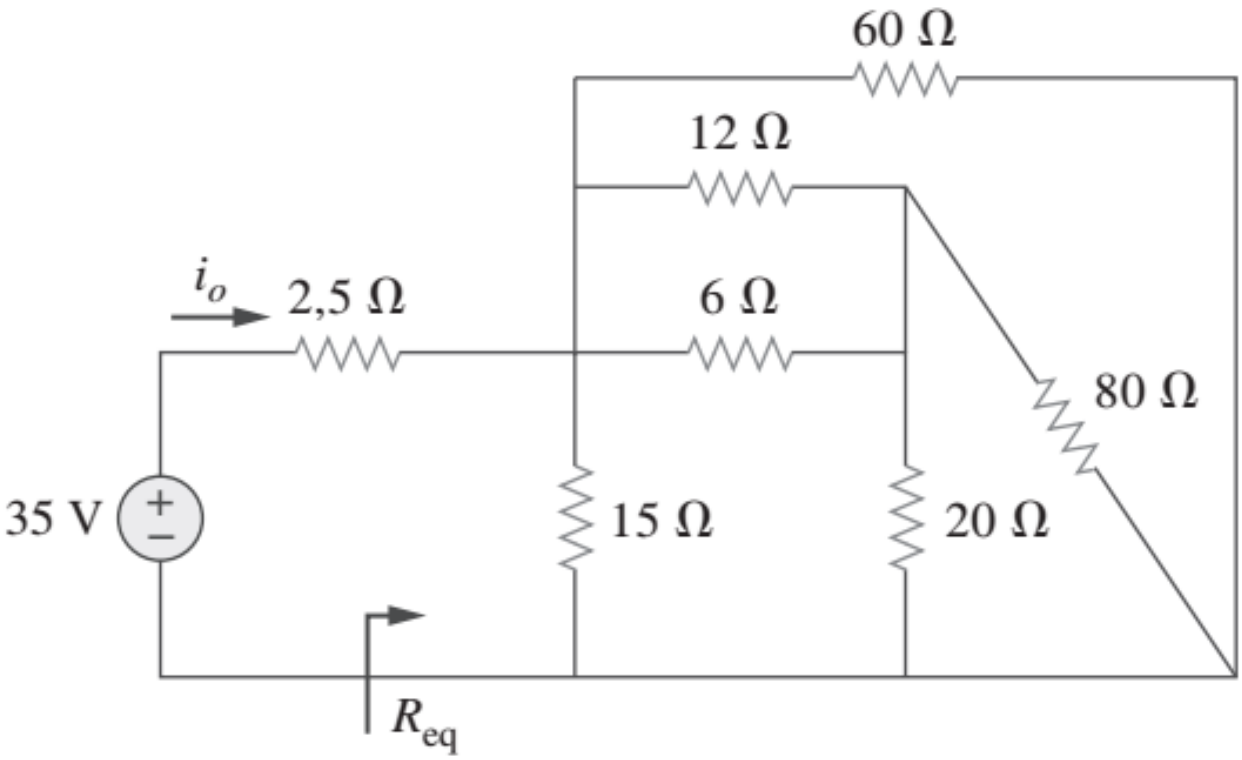
(*b*)


I
8 Ω
2 Ω
1 Ω
15 V
+
−
4 Ω
6 Ω
2 Ω
R_{eq}



(*a*)


20 Ω
15 Ω
I
12 Ω
5 Ω
15 Ω
15 Ω
80 V
5 Ω
24 Ω
8 Ω


60 Ω
12 Ω
i_o
2,5 Ω
6 Ω
80 Ω
35 V
15 Ω
20 Ω
R_{eq}