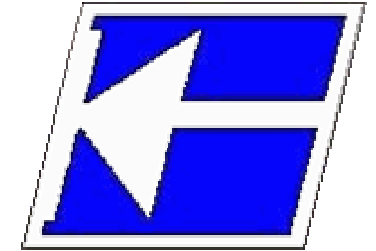


Centro Federal de Educação Tecnológica de Santa Catarina

Departamento de Eletrônica

Eletrônica Básica e Projetos Eletrônicos



Circuitos com diodos

Laboratório

Clóvis Antônio Petry, professor.

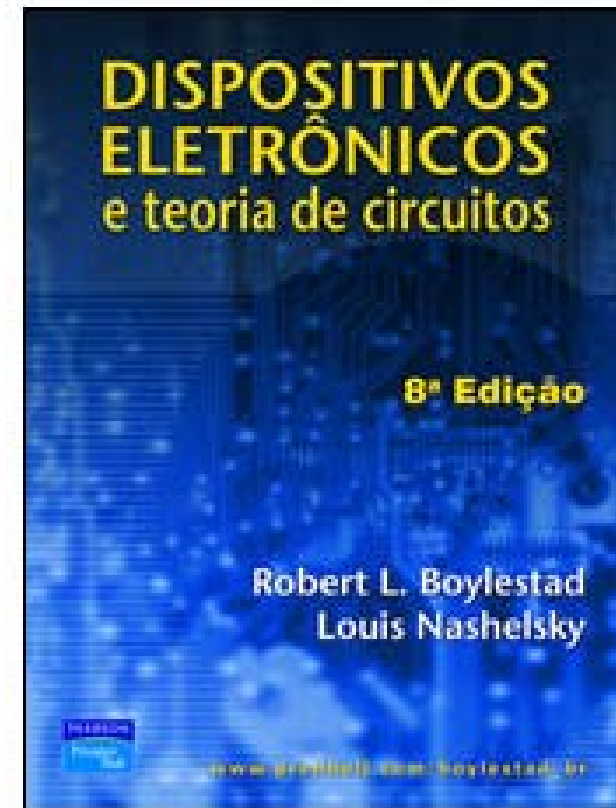
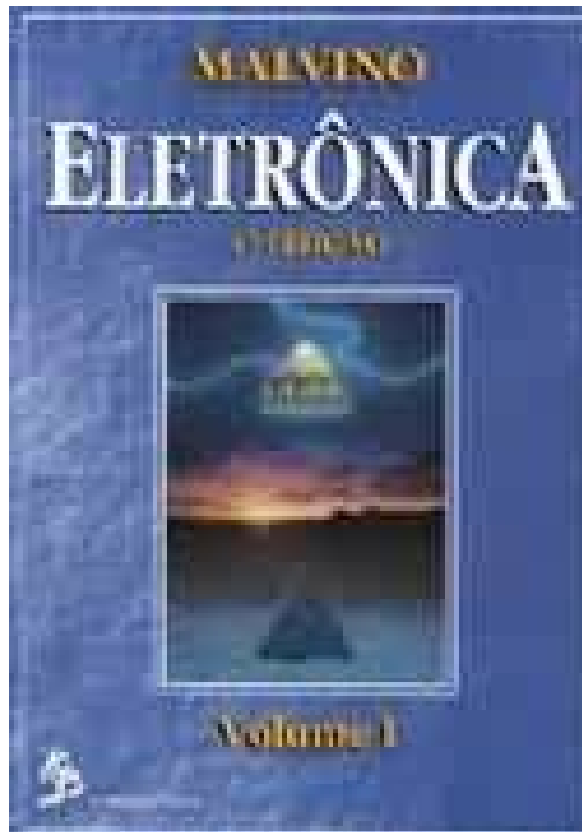
Florianópolis, março de 2007.

Nesta aula

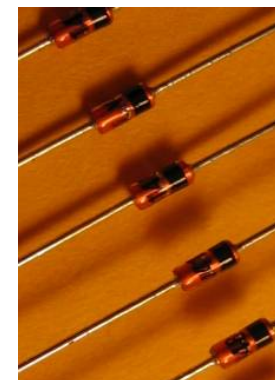
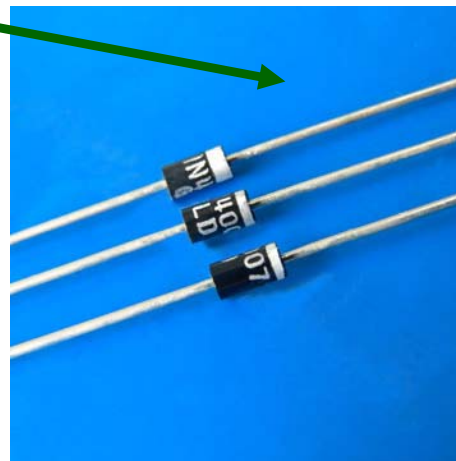
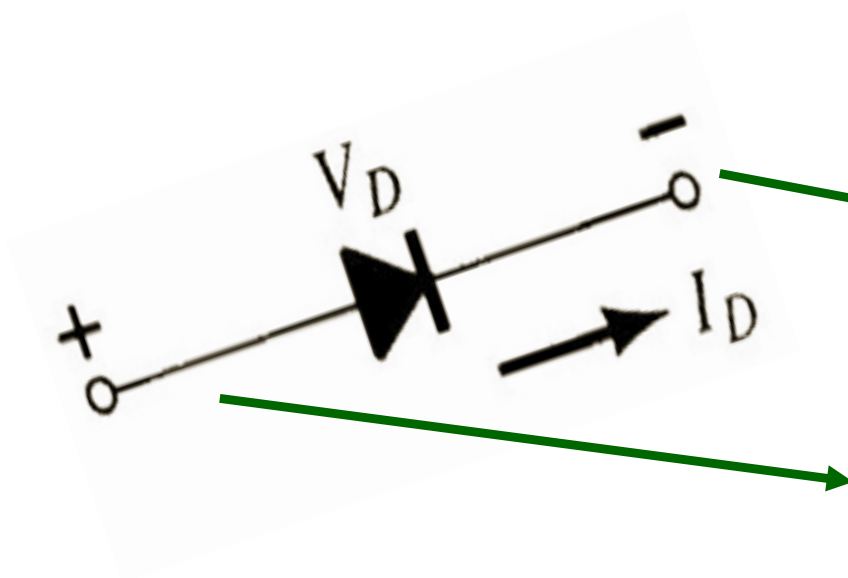
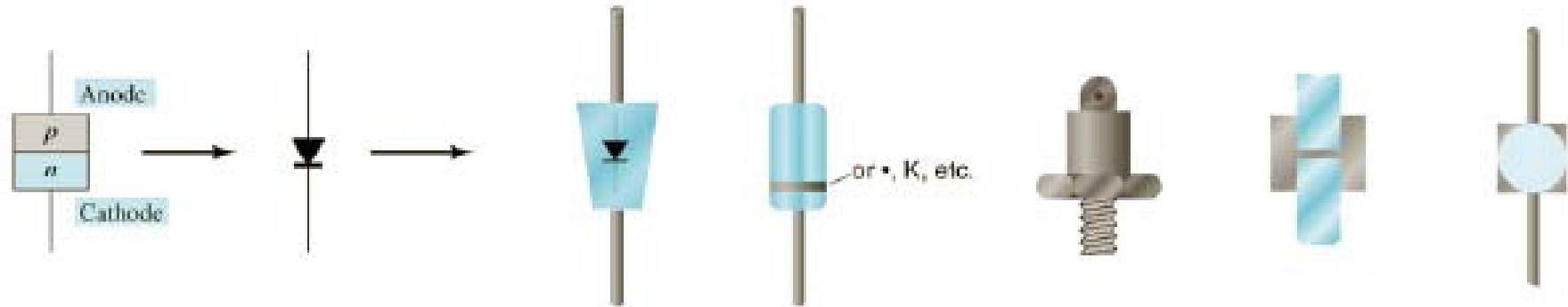
Seqüência de conteúdos:

1. Análise de circuitos com diodos no laboratório;
2. Identificação de diodos;
3. Testes com diodos.

Bibliografia



Identificação dos terminais de um diodo



Testando diodos com o multímetro



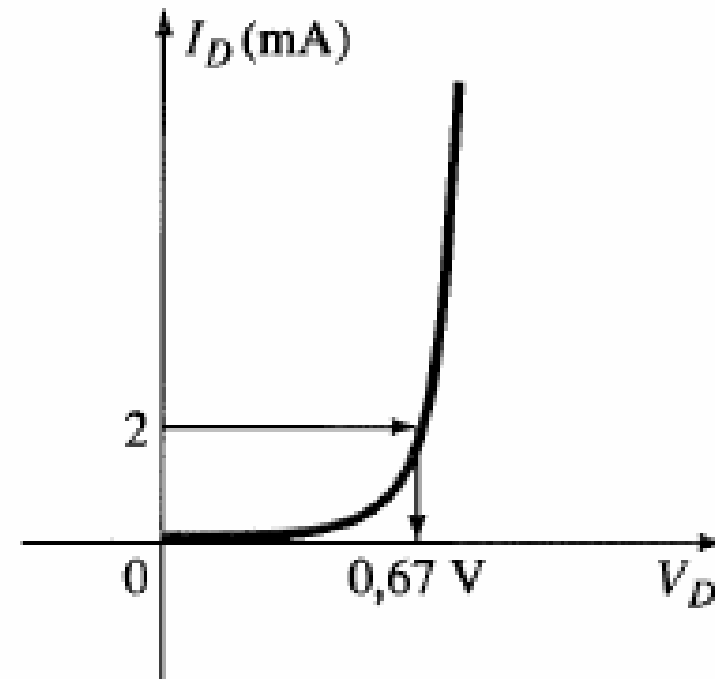
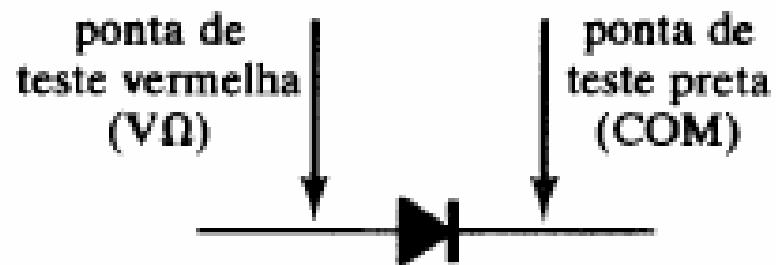
Escala para teste de diodos



Escala para teste de diodos

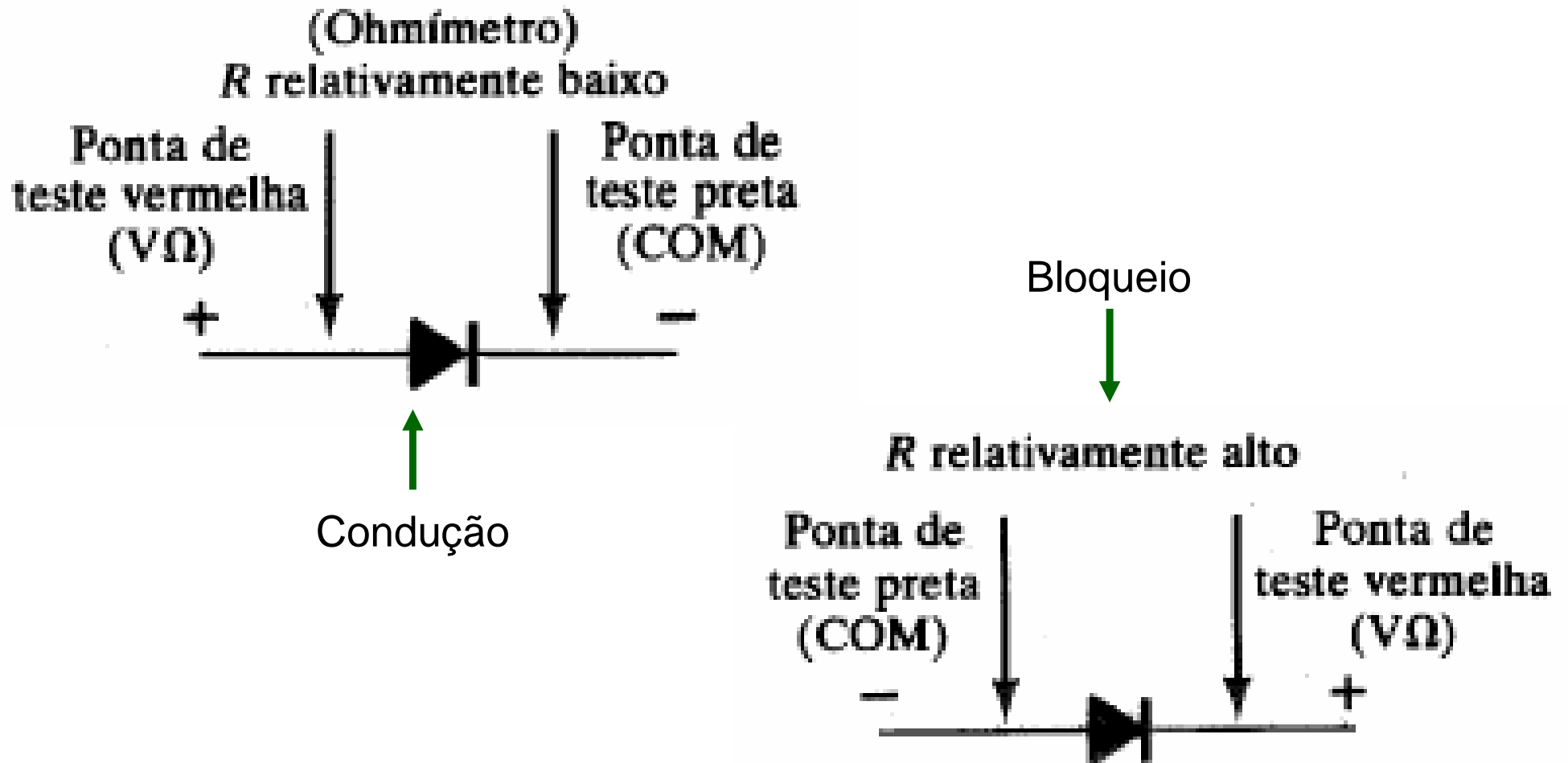
Testando diodos com o multímetro

Polarização direta:

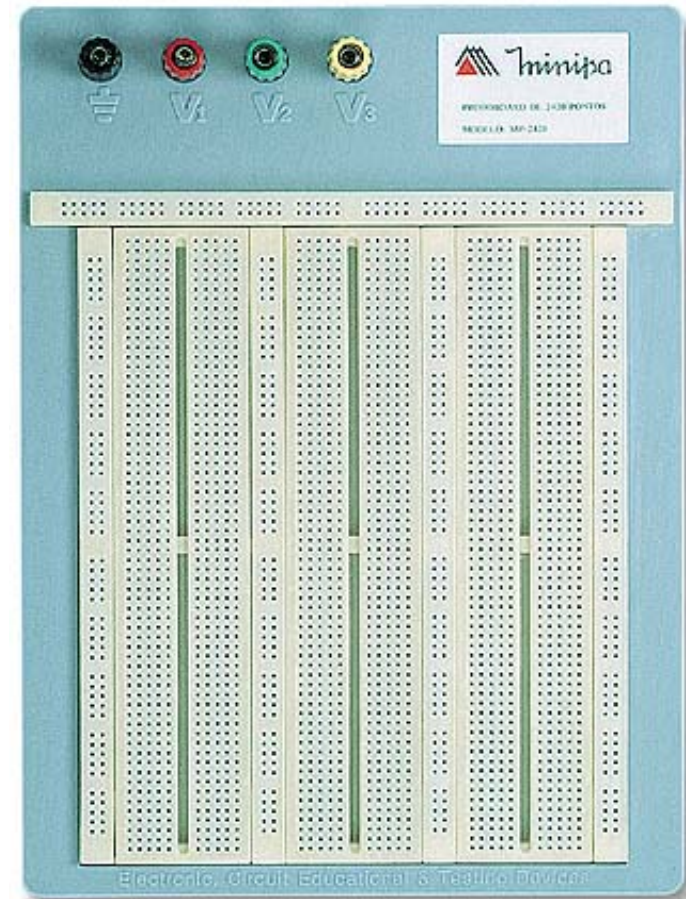
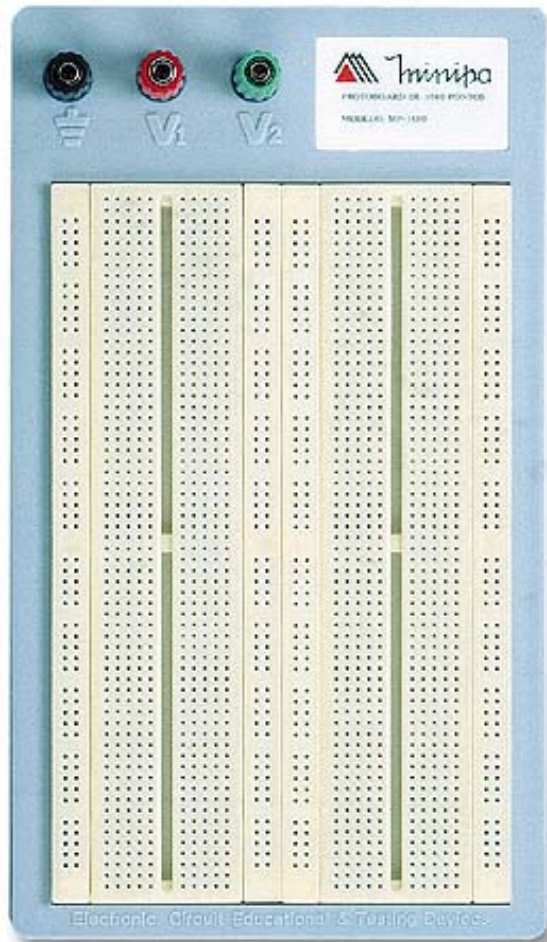


Testando diodos com o multímetro

Testes com ohmímetro:

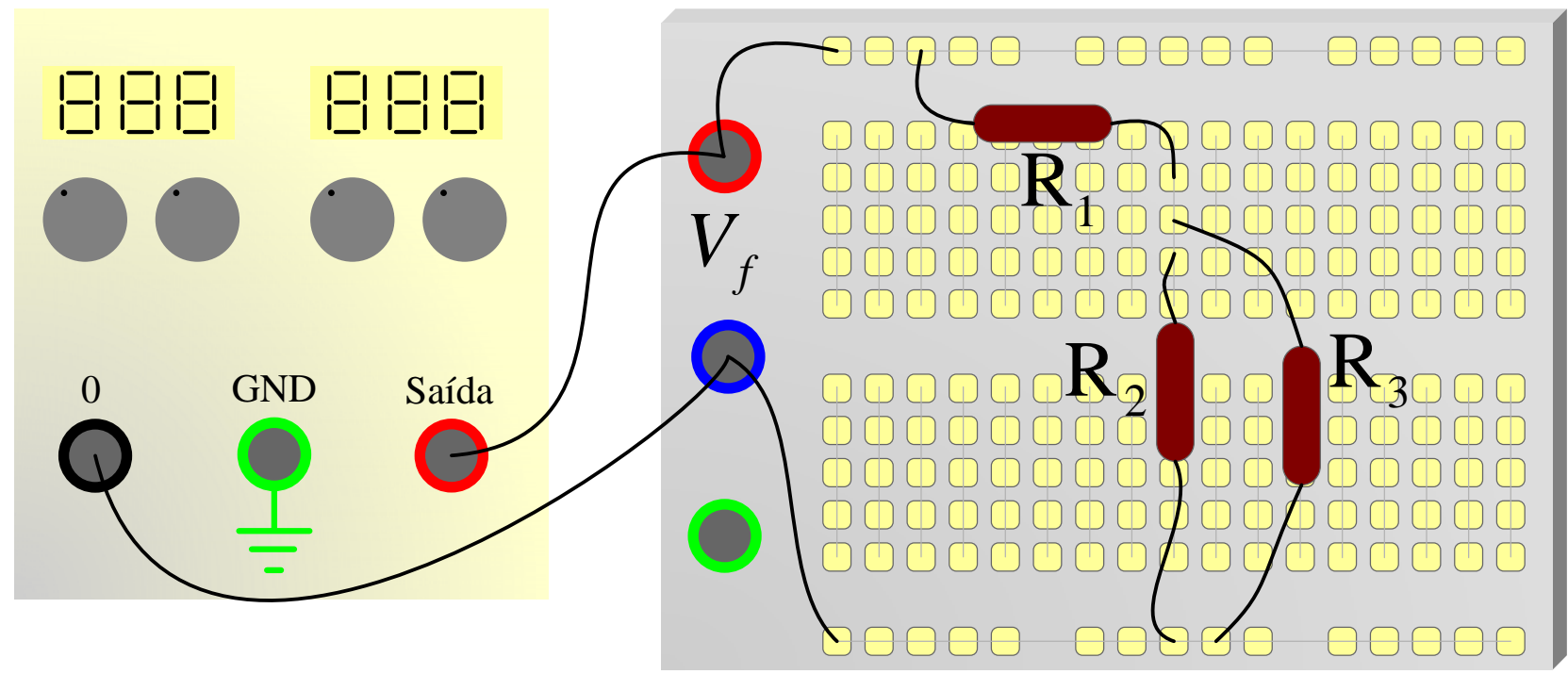
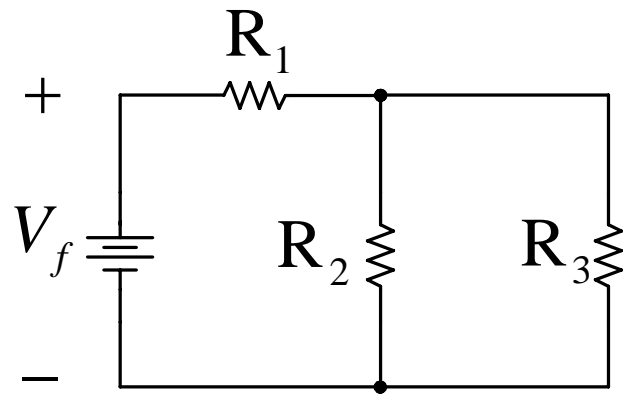


Matriz de contatos

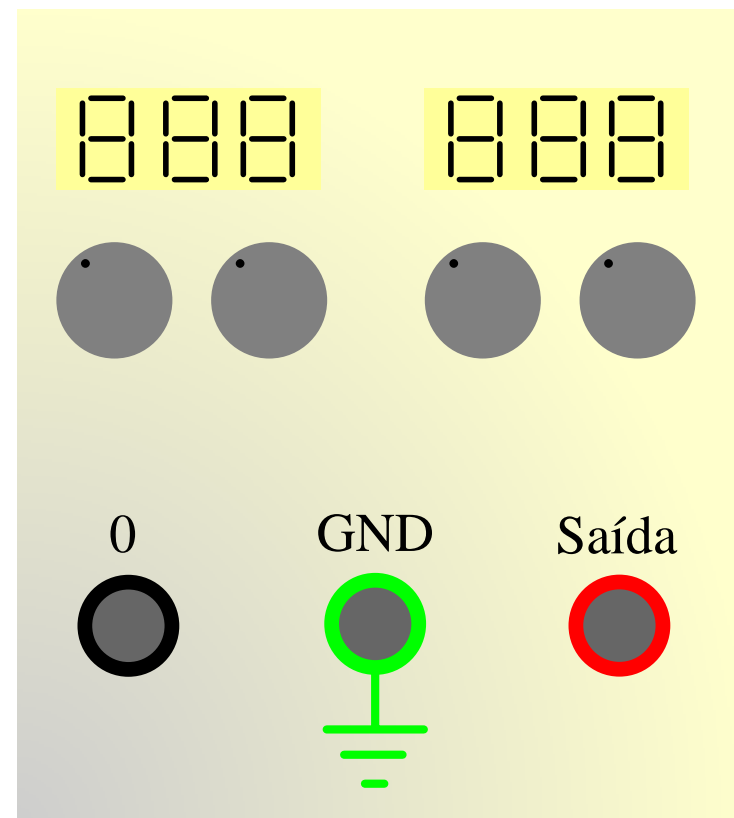


Matriz de contatos = pront-o-labor = protoboard

Matriz de contatos

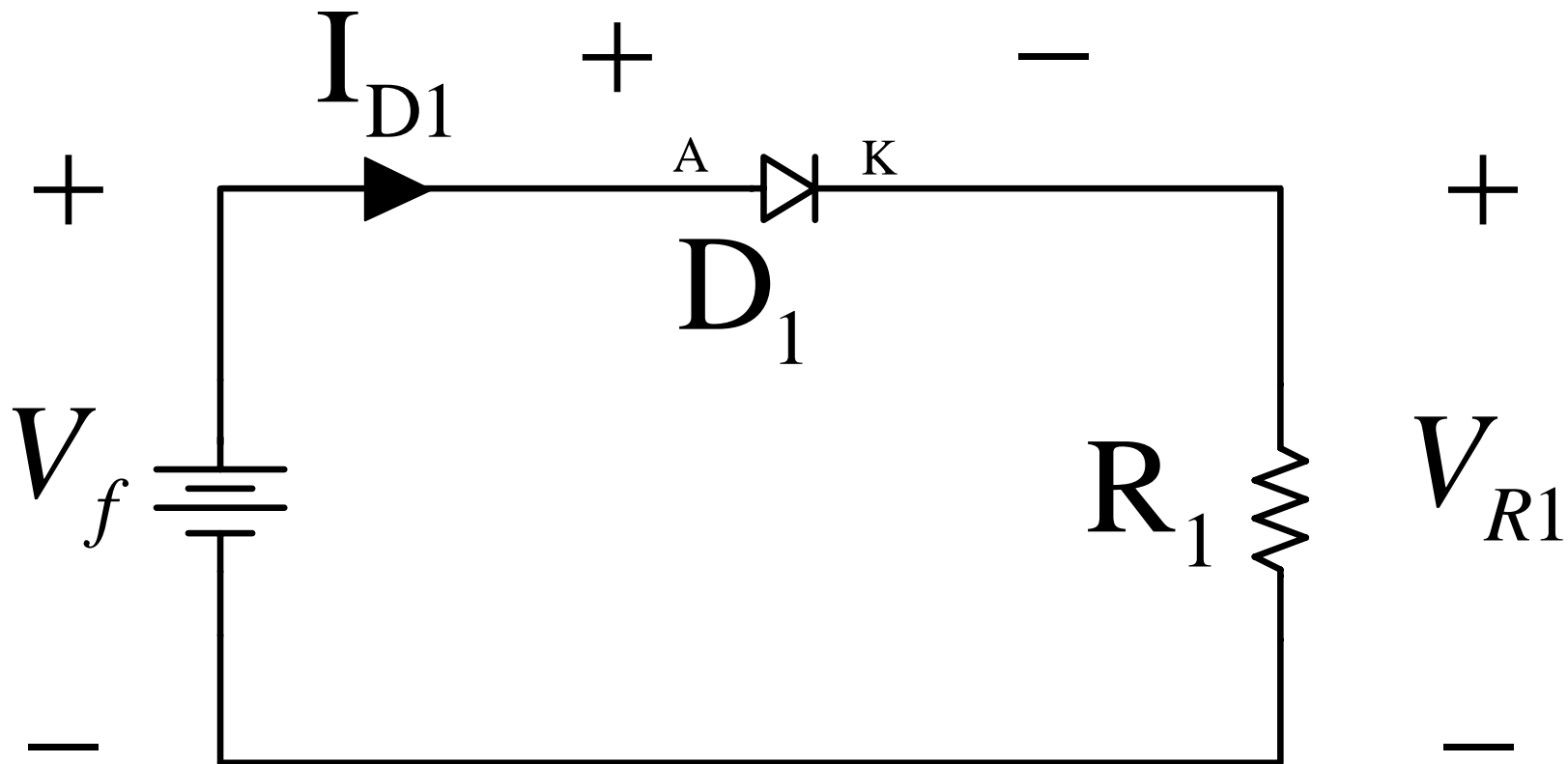


Fontes de tensão



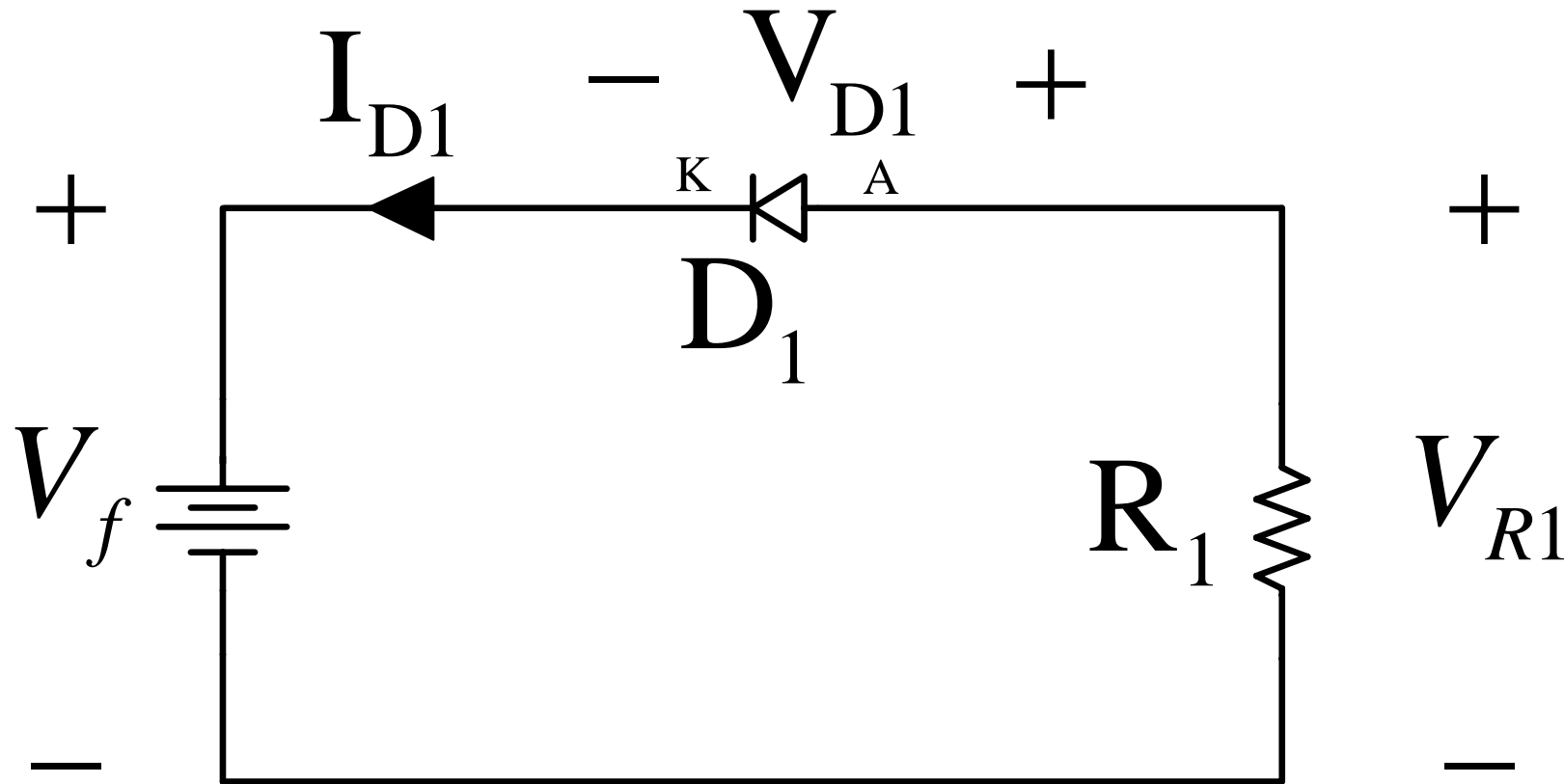
Circuitos a serem montados

Circuito de polarização de um diodo (região direta):



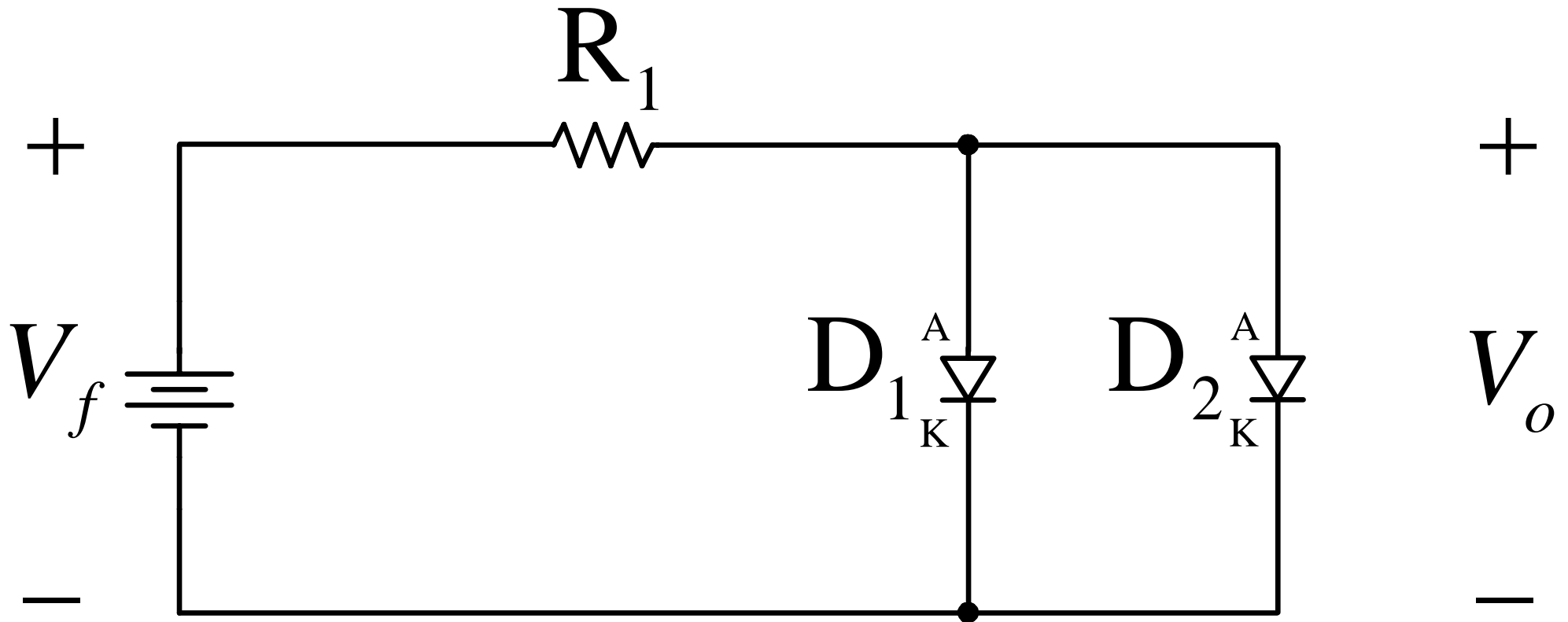
Circuitos a serem montados

Circuito de polarização de um diodo (região reversa):



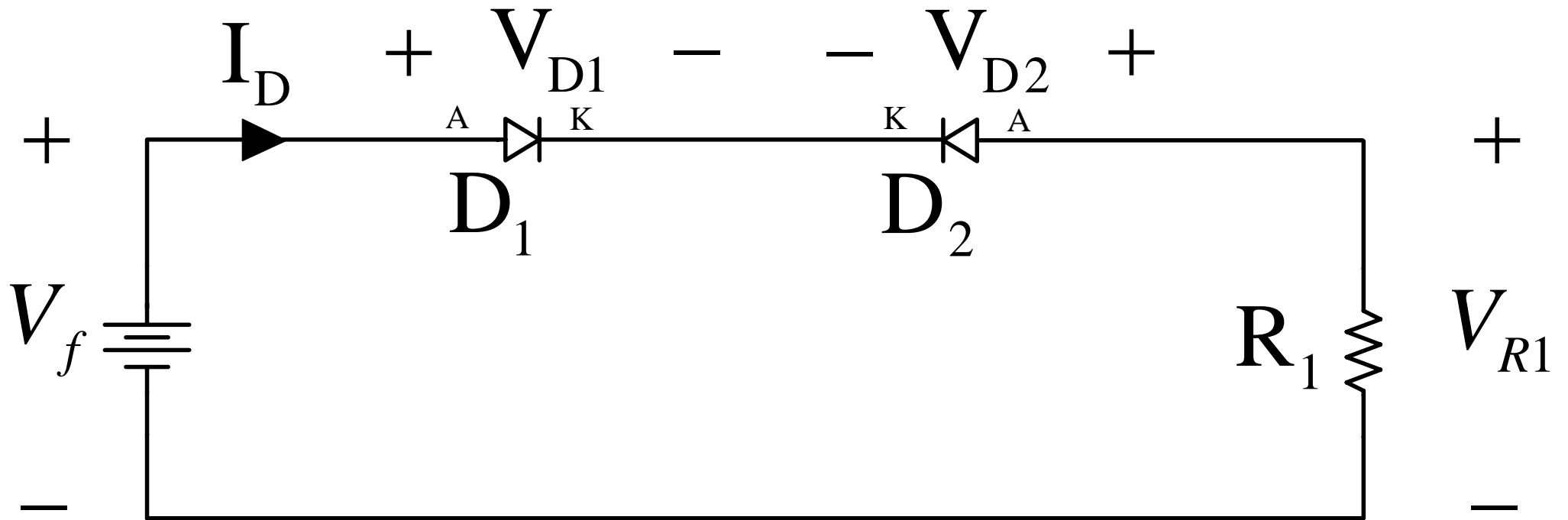
Circuitos a serem montados

Circuitos com diodos em paralelo:



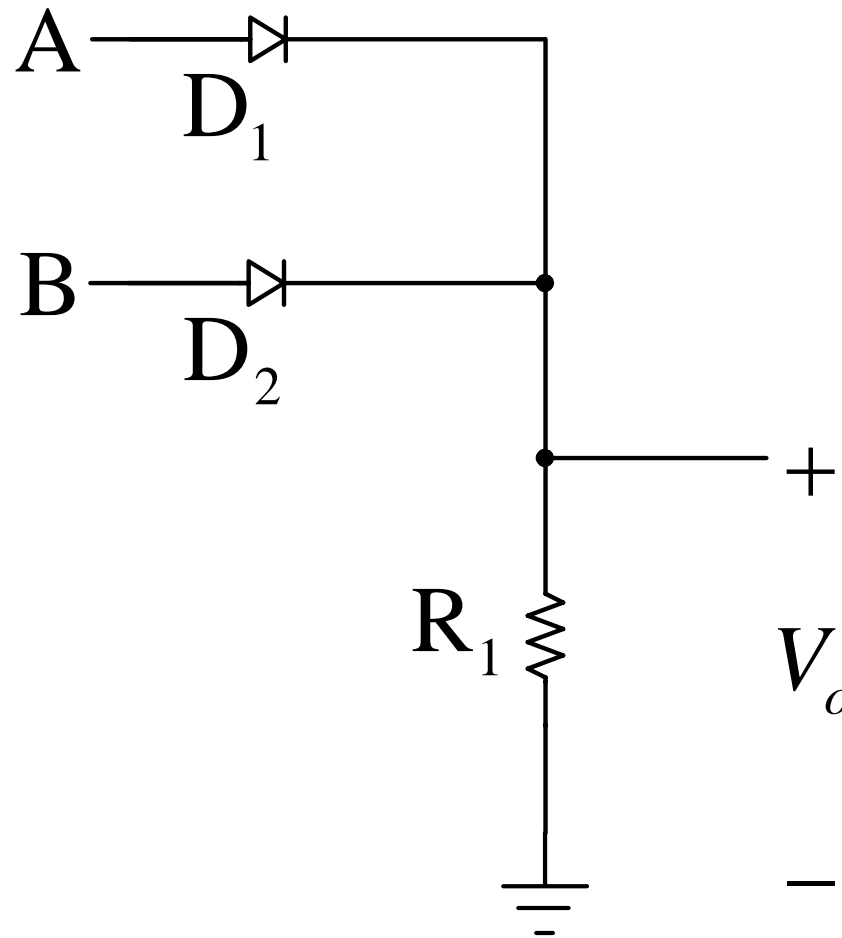
Circuitos a serem montados

Circuitos com diodos em série:



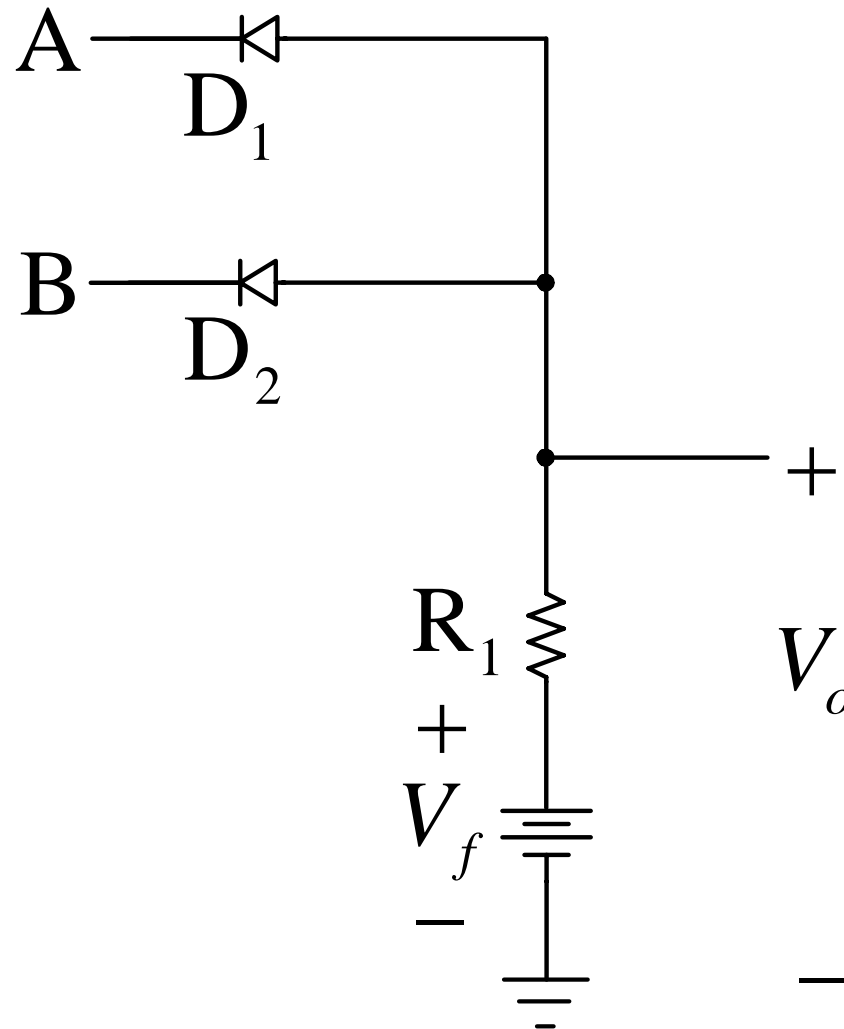
Circuitos a serem montados

Porta OU (OR) com diodos:



Circuitos a serem montados

Porta E (AND) com diodos:



Na próxima aula

Seqüência de conteúdos:

1. Corrente alternada;
2. Transformadores;
3. Retificador de meia onda.