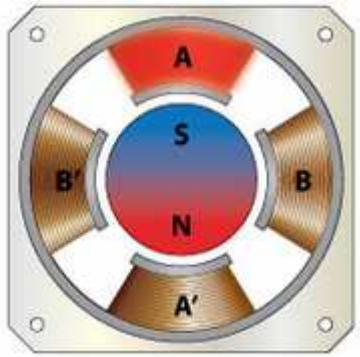
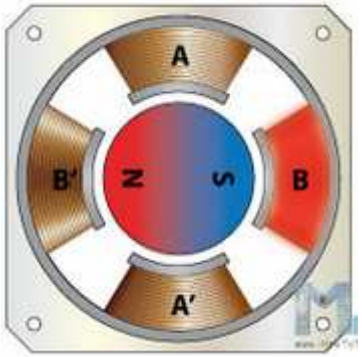
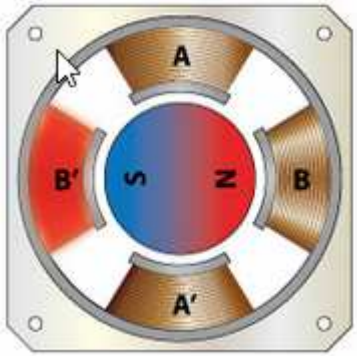
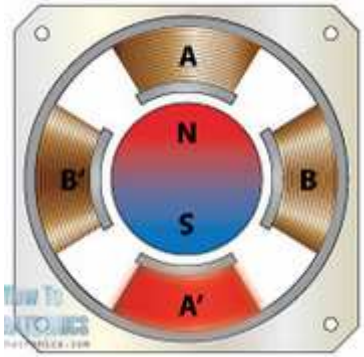
Acionamento de um motor de passo:

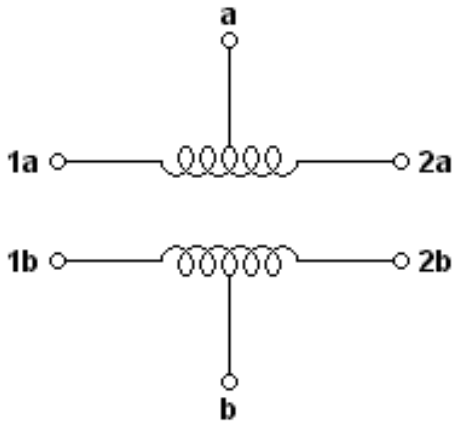




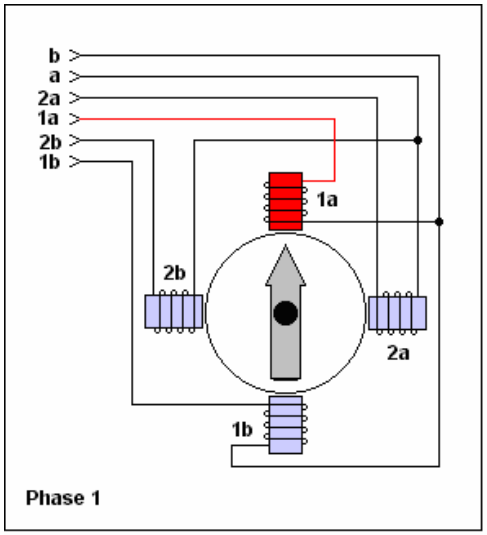


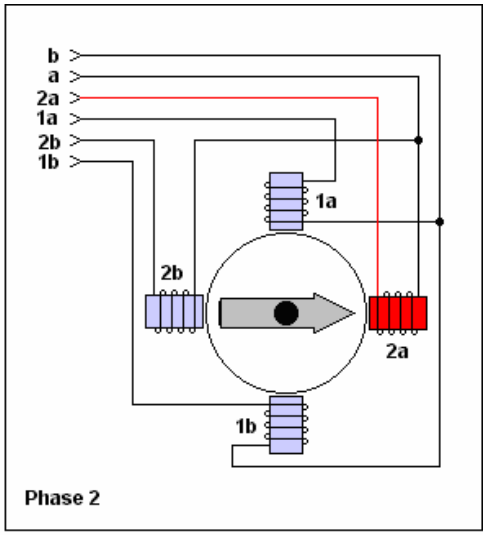


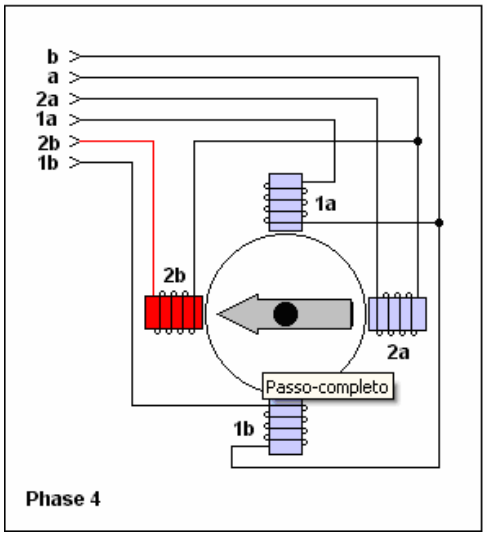
Motor de Passo Unipolar

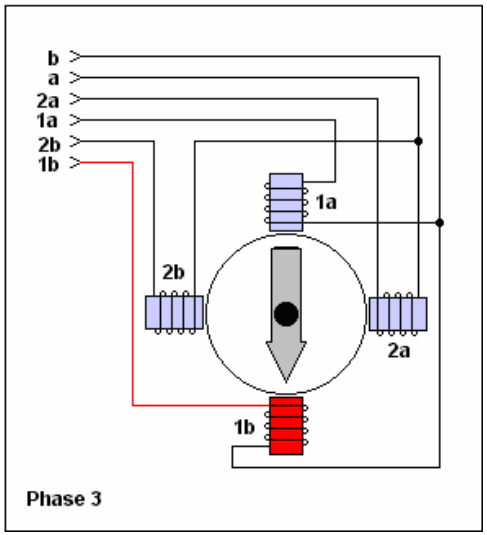


Passo Completo (*Wave Drive*)

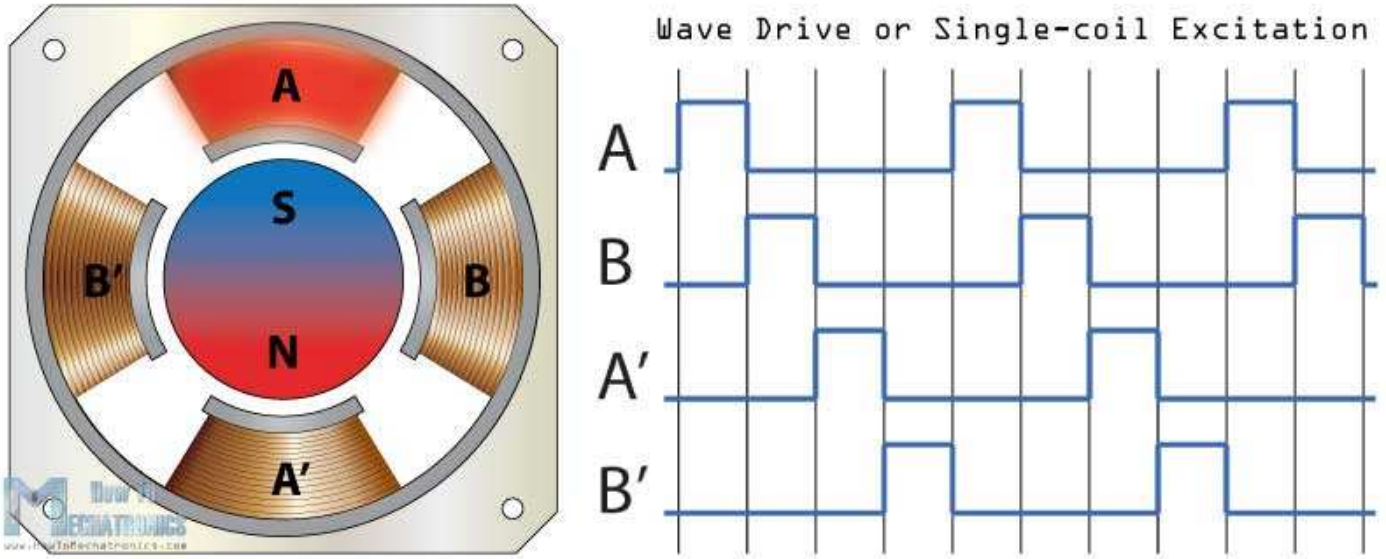




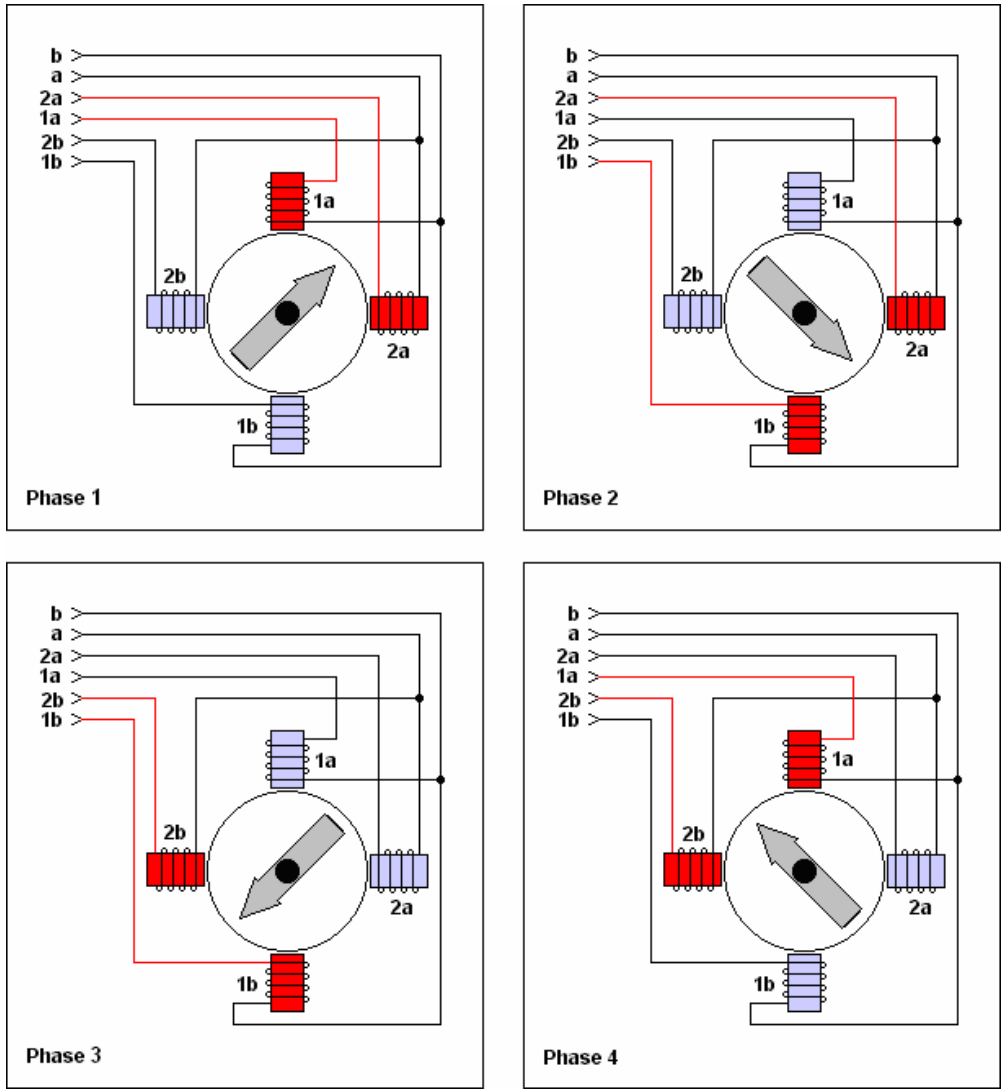




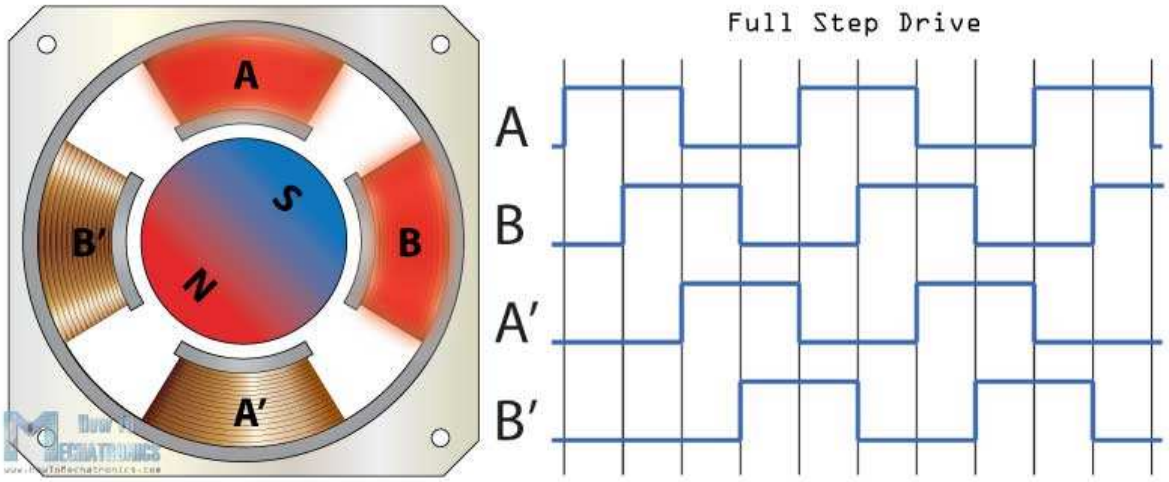
Passo Completo (*Wave Drive*)



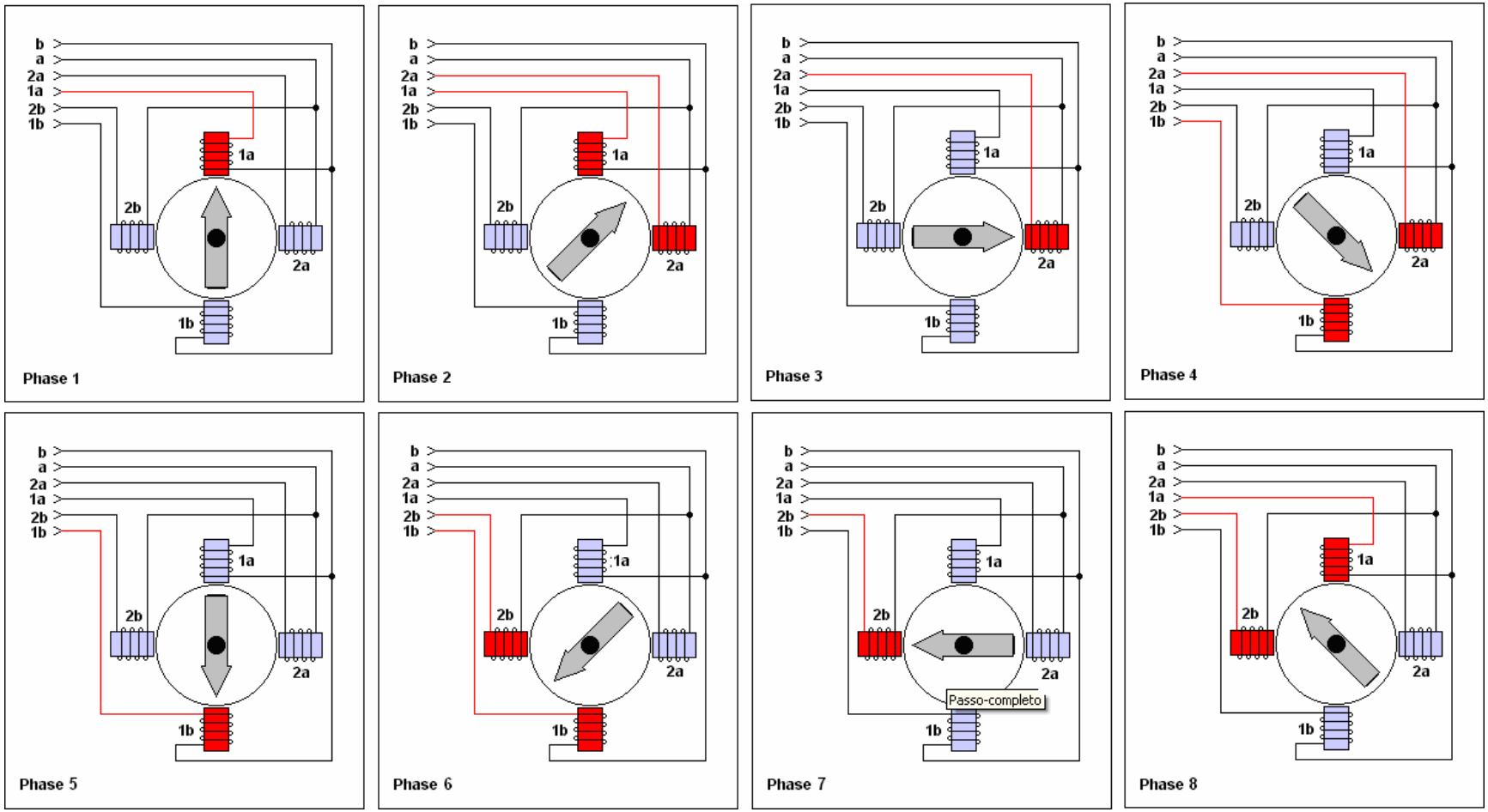
Passo Completo (*Full Step Drive*)



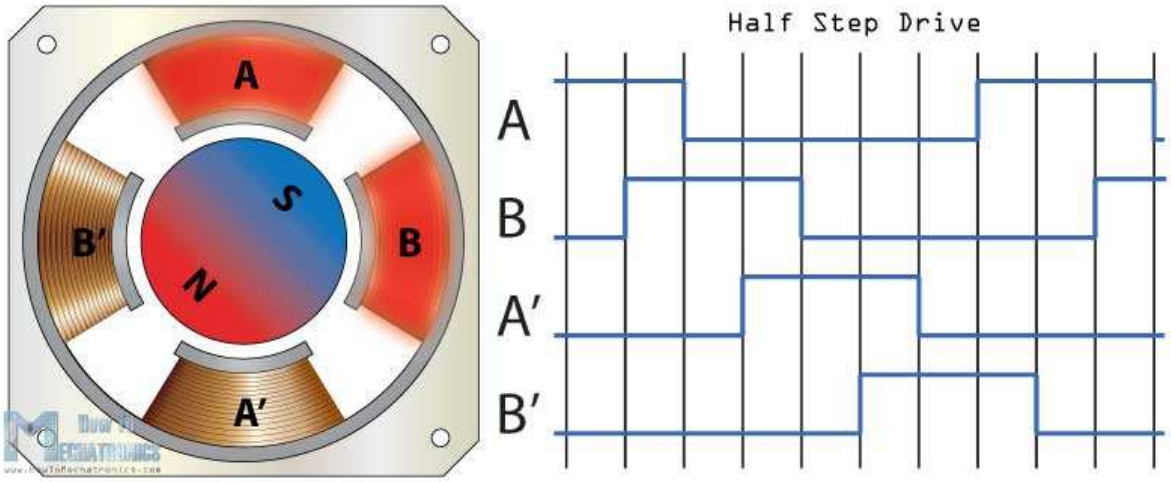
Passo Completo (*Full Step Drive*)



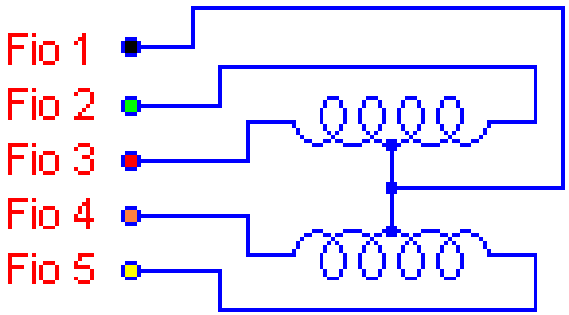
Meio Passo


b
a
2a
1a
2b
1b
1a
2b
2a
1b
Phase 1
Phase 2
Phase 3
Phase 4
Phase 5
Phase 6
Phase 7
Passo-completo
Phase 8

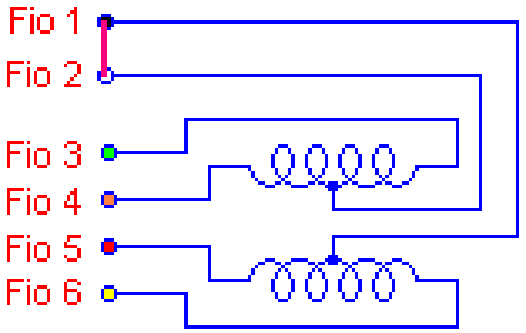
Meio Passo (*Full Step Drive*)



Motor Unipolar – 5 Fios



Motor Unipolar – 6 Fios



Escrever um programa para acionar um motor de passo:

Pinos utilizados:

Bobina *A* : P2.1
Bobina *B* : P2.2
Bobina *A'*: P2.3
Bobina *B'*: P2.4

Sequência de acionamento: *A - B – A' – B'*

Utilizar o *Timer0_A* para a temporização

Sempre que a interrupção do Pino P1.3 for ativada, o sentido de rotação do motor deverá ser invertido.

Acionamento da Bobinas