



This is called "Wave Drive", and it is only turning on one coil at a time.

```
setup
  int = variable COIL_A
        value 4
  int = variable COIL_B
        value 5
  int = variable COIL_C
        value 6
  int = variable COIL_D
        value 7
  int = variable SPEED
        value 3

program
  loop
    Step1
    delay ms milliseconds SPEED
    Step2
    delay ms milliseconds SPEED
    Step3
    delay ms milliseconds SPEED
    Step4
    delay ms milliseconds SPEED
```

```
Commands
  digitalWrite() # COIL_A HIGH
  digitalWrite() # COIL_B LOW
  digitalWrite() # COIL_C LOW
  digitalWrite() # COIL_D LOW

Step1
```

```
Commands
  digitalWrite() # COIL_A LOW
  digitalWrite() # COIL_B HIGH
  digitalWrite() # COIL_C LOW
  digitalWrite() # COIL_D LOW

Step2
```

```
Commands
  digitalWrite() # COIL_A LOW
  digitalWrite() # COIL_B LOW
  digitalWrite() # COIL_C HIGH
  digitalWrite() # COIL_D LOW

Step3
```

```
Commands
  digitalWrite() # COIL_A LOW
  digitalWrite() # COIL_B LOW
  digitalWrite() # COIL_C LOW
  digitalWrite() # COIL_D HIGH

Step4
```