



This program turns on two coils at a time. This is called "Full Drive".

This program uses a button and a Pot. The program waits for the button press, then drives the motor one way for the number of repeats indicated on the Pot, then reverses the motor and goes back to the start point.

The coils need to be deactivated (turned off) after the repeats have stopped, otherwise current would be running through one coil constantly, making it heat up, and wasting power.

```

    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 BUTTON
        value 11
    int = variable POT
        value A0
    int = variable speed
        value 3

    loop
    while test digitalRead() # BUTTON = LOW
        Commands delay ms milliseconds 10
    while test digitalRead() # BUTTON = HIGH
        Commands delay ms milliseconds 10
    
```

```

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



