

```
//A basic "Wave Drive" program  
//for unipolar stepper motors.
```

```
int coilA = 4;  
int coilB = 5;  
int coilC = 6;  
int coilD = 7;  
int Speed = 4;
```

```
void setup() {  
  pinMode(coilA,OUTPUT);  
  pinMode(coilB,OUTPUT);  
  pinMode(coilC,OUTPUT);  
  pinMode(coilD,OUTPUT);  
}
```

```
void loop() {  
  digitalWrite(coilA,1);  
  digitalWrite(coilB,0);  
  digitalWrite(coilC,0);  
  digitalWrite(coilD,0);  
  delay(Speed);  
  digitalWrite(coilA,0);  
  digitalWrite(coilB,1);  
  digitalWrite(coilC,0);  
  digitalWrite(coilD,0);  
  delay(Speed);  
  digitalWrite(coilA,0);  
  digitalWrite(coilB,0);  
  digitalWrite(coilC,1);  
  digitalWrite(coilD,0);  
  delay(Speed);  
  digitalWrite(coilA,0);  
  digitalWrite(coilB,0);  
  digitalWrite(coilC,0);  
  digitalWrite(coilD,1);  
  delay(Speed);  
}
```

