int x = 0;

void setup()

{

pinMode(7, OUTPUT);

pinMode(8, OUTPUT);

pinMode(9, OUTPUT);

pinMode(10, OUTPUT);

}

void motor(int dur, int dir)

{

digitalWrite(10, dir);

for (x = 0; x < dur; x++)

{

digitalWrite(9, HIGH);

delay(1);

digitalWrite(9, LOW);

delay(1);

}

}

void motor2(int dur, int dir)

{

digitalWrite(8, dir);

for (x = 0; x < dur; x++)

{

digitalWrite(7, HIGH);

delay(1);

digitalWrite(7, LOW);

delay(1);

}

}

void loop()

{

motor(1600, HIGH);

motor2(800, HIGH);

delay(1000);

motor(1600, LOW);

motor2(800, LOW);

delay(1000);

}