??????????????????????????????

```
// OTCarTest
// A simple test program for OTCar, will make the OTCar move forward, backward,
// turn right and turn left for specific seconds.
// http://www.osslab.com.tw/Hardware/Open_Embedded_System/MCU/AVR/Arduino/Remote_Car

/* Input for motorA:
  IN1     IN2     Action
  LOW     LOW     Motor Stop
  HIGH    LOW     Motor moves forward
  LOW     HIGH    Motor moves backward
  HIGH    HIGH    Motor Stop
*/
const int motorIn1 = 5;
const int motorIn2 = 6;
const int motorIn3 = 10;     // ?? L298N module IN3 ? IN4 ???????
const int motorIn4 = 9;      // ????? IN3, IN4 ????

const int DELAY = 1000;

void setup()
{
 pinMode(motorIn1, OUTPUT);
 pinMode(motorIn2, OUTPUT);
 pinMode(motorIn3, OUTPUT);
 pinMode(motorIn4, OUTPUT);
}

void loop()
{
 selfTest();
}

void selfTest()
{
 forward();
 delay(DELAY);
 motorstop(); delay(500);

 backward();
 delay(DELAY);
 motorstop(); delay(500);

 right();
```

```
  delay(DELAY);
  motorstop(); delay(500);

  left();
  delay(DELAY);
  motorstop(); delay(500);
}

void motorstop()
{
  digitalWrite(motorIn1, LOW);
  digitalWrite(motorIn2, LOW);
  digitalWrite(motorIn3, LOW);
  digitalWrite(motorIn4, LOW);
}

void forward()
{
  digitalWrite(motorIn1, HIGH);
  digitalWrite(motorIn2, LOW);
  digitalWrite(motorIn3, HIGH);
  digitalWrite(motorIn4, LOW);
}

void backward()
{
  digitalWrite(motorIn1, LOW);
  digitalWrite(motorIn2, HIGH);
  digitalWrite(motorIn3, LOW);
  digitalWrite(motorIn4, HIGH);
}

// Let right motor keep running, but stop left motor
void right()
{
  digitalWrite(motorIn1, HIGH);
  digitalWrite(motorIn2, LOW);
  digitalWrite(motorIn3, LOW);
  digitalWrite(motorIn4, LOW);
}

// Let left motor keep running, but stop right motor
void left()
{
  digitalWrite(motorIn1, LOW);
```

```
  digitalWrite(motorIn2, LOW);
  digitalWrite(motorIn3, HIGH);
  digitalWrite(motorIn4, LOW);
}
```