//f前进；b后退；l右转；s停止

void setup()

{

pinMode(5, OUTPUT);

pinMode(6, OUTPUT);

pinMode(9, OUTPUT);

pinMode(10, OUTPUT);

Serial.begin(9600);

}

int income;

void loop()

{

if(Serial.available()>0);

{

income=Serial.read();

}

switch(income)

{case'f':

forward();

break;

case'b':

backward();

break;

case'l':

left();

break;

case'r':

right();

break;

case's':

stop();

break;}

}

void forward()

{

digitalWrite(5,HIGH);

digitalWrite(6,LOW);

digitalWrite(9,HIGH);

digitalWrite(10,LOW);

}

void backward()

{

digitalWrite(6,HIGH);

digitalWrite(5,LOW);

digitalWrite(10,HIGH);

digitalWrite(9,LOW);

}

void left()

{

digitalWrite(5,HIGH);

digitalWrite(6,LOW);

digitalWrite(10,HIGH);

digitalWrite(9,LOW);

}

void right()

{

digitalWrite(6,HIGH);

digitalWrite(5,LOW);

digitalWrite(9,HIGH);

digitalWrite(10,LOW);

}

void stop()

{

digitalWrite(6,LOW);

digitalWrite(5,LOW);

digitalWrite(9,LOW);

digitalWrite(10,LOW);

}

