char t;

const int r1=2,r2=3,l1=4,l2=5;

void setup() {

Serial.begin(9600);

pinMode(r1,OUTPUT);

pinMode(r2,OUTPUT);

pinMode(l1,OUTPUT);

pinMode(l2,OUTPUT);

}

void loop() {

if(Serial.available()){

t = Serial.read();

}

if(t == 'F'){

digitalWrite(r1,HIGH);

digitalWrite(r2,LOW);

digitalWrite(l1,HIGH);

digitalWrite(l2,LOW);

}

else if(t == 'B'){

digitalWrite(r1,LOW);

digitalWrite(r2,HIGH);

digitalWrite(l1,LOW);

digitalWrite(l2,HIGH);

}

else if(t == 'L'){

digitalWrite(r1,HIGH);

digitalWrite(r2,LOW);

digitalWrite(l1,LOW);

digitalWrite(l2,HIGH);

delay(100);

t = 'S';

}

else if(t == 'R'){

digitalWrite(r1,LOW);

digitalWrite(r2,HIGH);

digitalWrite(l1,HIGH);

digitalWrite(l2,LOW);

delay(100);

t = 'S';

}

}