int xPin=A1;

int yPin=A0;

int out1=4; //output1 for HT12E IC

int out2=5; //output1 for HT12E IC

int out3=6; //output1 for HT12E IC

int out4=7; //output1 for HT12E IC

void setup(){

Serial.begin(9600);

pinMode(xPin,INPUT);

pinMode(yPin,INPUT);

pinMode(out1,OUTPUT);

pinMode(out2,OUTPUT);

pinMode(out3,OUTPUT);

pinMode(out4,OUTPUT);

}

void loop()

{

int xval=analogRead(xPin);

int yval=analogRead(yPin);

//Serial.print("x = ");

//Serial.print(xval);

// delay(1000);

//Serial.print("y = ");

//Serial.print(yval);

// delay(1000);

if(xval < 300 && yval > 320) //forward

{

digitalWrite(out1,HIGH);

digitalWrite(out2,LOW);

digitalWrite(out3,HIGH);

digitalWrite(out4,LOW);

}

else if(xval > 380 && yval > 320) //backward

{

digitalWrite(out1,LOW);

digitalWrite(out2,HIGH);

digitalWrite(out3,LOW);

digitalWrite(out4,HIGH);

}

else if(xval > 320 && yval > 360) //left

{

digitalWrite(out1,HIGH);

digitalWrite(out2,LOW);

digitalWrite(out3,LOW);

digitalWrite(out4,LOW);

}

else if(xval > 320 && yval < 300)//right

{

digitalWrite(out1,LOW);

digitalWrite(out2,LOW);

digitalWrite(out3,HIGH);

digitalWrite(out4,LOW);

}

else //stop

{

digitalWrite(out1,LOW);

digitalWrite(out2,LOW);

digitalWrite(out3,LOW);

digitalWrite(out4,LOW);

}

}