CODE

Smart Street Light codeArduino

int ir1=2;

int ir2=3;

int ir3=4;

int ir4=5;

int led1=6;

int led2=7;

int led3=8;

int led4=9;

int led5=10;

int led6=11;

int proxy1=0;

int proxy2=0;

int proxy3=0;

int proxy4=0;

void setup()

{

pinMode(ir1,INPUT);

pinMode(ir2,INPUT);

pinMode(ir3,INPUT);

pinMode(ir4,INPUT);

pinMode(led1,OUTPUT);

pinMode(led2,OUTPUT);

pinMode(led3,OUTPUT);

pinMode(led4,OUTPUT);

pinMode(led5,OUTPUT);

pinMode(led6,OUTPUT);

}

void loop(){

proxy1=digitalRead(ir1);

proxy2=digitalRead(ir2);

proxy3=digitalRead(ir3);

proxy4=digitalRead(ir4);

if(proxy1==HIGH)

{

digitalWrite(led1,HIGH);

digitalWrite(led2,HIGH);

digitalWrite(led3,HIGH);

}

else

{

digitalWrite(led1,LOW);

digitalWrite(led2,LOW);

digitalWrite(led3,LOW);

}

if(proxy2==HIGH)

{

digitalWrite(led2,HIGH);

digitalWrite(led3,HIGH);

digitalWrite(led4,HIGH);

}

else

{

digitalWrite(led2,LOW);

digitalWrite(led3,LOW);

digitalWrite(led4,LOW);

}

if(proxy3==HIGH)

{

digitalWrite(led3,HIGH);

digitalWrite(led4,HIGH);

digitalWrite(led5,HIGH);

}

else

{

digitalWrite(led3,LOW);

digitalWrite(led4,LOW);

digitalWrite(led5,LOW);

}

if(proxy4==HIGH)

{

digitalWrite(led4,HIGH);

digitalWrite(led5,HIGH);

digitalWrite(led6,HIGH);

}

else

{

digitalWrite(led4,LOW);

digitalWrite(led5,LOW);

digitalWrite(led6,LOW);

}

}