int a=13;

int b=12;

int c=11;

int d=10;

int e=9;

int f=8;

int g=7;

int p=6;

int estadoledp=LOW;

unsigned long tiempoactual;

long tiempoinicial;

long intervalo1=1000;

long intervalo2=2000;

long intervalo3=3000;

long intervalo4=4000;

long intervalo5=5000;

long intervalo6=6000;

long intervalo7=7000;

long intervalo8=8000;

long intervalo9=9000;

long intervalo10=10000;

void setup() {

// put your setup code here, to run once:

pinMode(a,OUTPUT);

pinMode(b,OUTPUT);

pinMode(c,OUTPUT);

pinMode(d,OUTPUT);

pinMode(e,OUTPUT);

pinMode(f,OUTPUT);

pinMode(g,OUTPUT);

pinMode(p,OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

digitalWrite (p,estadoledp);

tiempoactual=millis();

if (tiempoactual-tiempoinicial==intervalo10){

tiempoinicial=tiempoactual;

if (estadoledp==LOW){

estadoledp=HIGH;

}

else {

estadoledp=LOW;

}

}

else{

if (tiempoactual-tiempoinicial<intervalo1){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,HIGH);

digitalWrite(f,HIGH);

digitalWrite(g,LOW);

}

else{

if(tiempoactual-tiempoinicial<intervalo2){

digitalWrite(a,LOW);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,LOW);

digitalWrite(e,LOW);

digitalWrite(f,LOW);

digitalWrite(g,LOW);

}

else{

if (tiempoactual-tiempoinicial<intervalo3){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,LOW);

digitalWrite(d,HIGH);

digitalWrite(e,HIGH);

digitalWrite(f,LOW);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo4){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,LOW);

digitalWrite(f,LOW);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo5){

digitalWrite(a,LOW);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,LOW);

digitalWrite(e,LOW);

digitalWrite(f,HIGH);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo6){

digitalWrite(a,HIGH);

digitalWrite(b,LOW);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,LOW);

digitalWrite(f,HIGH);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo7){

digitalWrite(a,HIGH);

digitalWrite(b,LOW);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,HIGH);

digitalWrite(f,HIGH);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo8){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,LOW);

digitalWrite(e,LOW);

digitalWrite(f,LOW);

digitalWrite(g,LOW);

}

else{

if (tiempoactual-tiempoinicial<intervalo9){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,HIGH);

digitalWrite(f,HIGH);

digitalWrite(g,HIGH);

}

else{

if (tiempoactual-tiempoinicial<intervalo10){

digitalWrite(a,HIGH);

digitalWrite(b,HIGH);

digitalWrite(c,HIGH);

digitalWrite(d,HIGH);

digitalWrite(e,LOW);

digitalWrite(f,HIGH);

digitalWrite(g,HIGH);

}

}

}

}

}

}

}

}

}

}

}

}