Universidad del Valle de Guatemala

Facultad de ingeniería

Depto. de ingeniería Mecatrónica, Electrónica y Biomédica

Electrónica Digital 2

Santiago Galicia - 18483

PSEUDOCODIGO

```
//pseudo codigo santiago galicia

//18483

#define LED RED_LED

#define LED1 GREEN_LED

#define LED2 BLUE_LED

#define LED3 YELLOW_LED

#define LED4 PINK_LED

const int buttonPin1 = PUSH1

const int buttonPin2 = PUSH2

int val =0;

int val1 = 0;

int cont1=1;

int cont2=1;

void setup() {

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

  pinMode(LED, OUTPUT);

  pinMode(LED1, OUTPUT);

  pinMode(LED2, OUTPUT);

  pinMode(LED3, OUTPUT);

  pinMode(LED4, OUTPUT);
```

```
  pinMode(buttonPin1, INPUT_PULLUP);

  pinMode(buttonPin2, INPUT_PULLUP);

}


void loop() {

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

  val= digitalRead(buttonPin1);

  val1= digitalRead(buttonPin2);

  if (val ==HIGH || val1 == HIGH) {

    digitalWrite(LED, HIGH);

    delay(300);

    digitalWrite(LED3, HIGH);

    delay(300);

    digitalWrite(LED1, HIGH);

    delay(300);

    if(val==HIGH){

      cont1<<1;

      }

    else if(val1==HIGH){

      cont2<<1;

      }

    else{Serial.printf("a c mamo");}

}

if(cont1 ==10000000){

  digitalWrite(LED2, HIGH);}

if(cont2 == 10000000){

    digitalWrite(LED4, HIGH);}

}
```