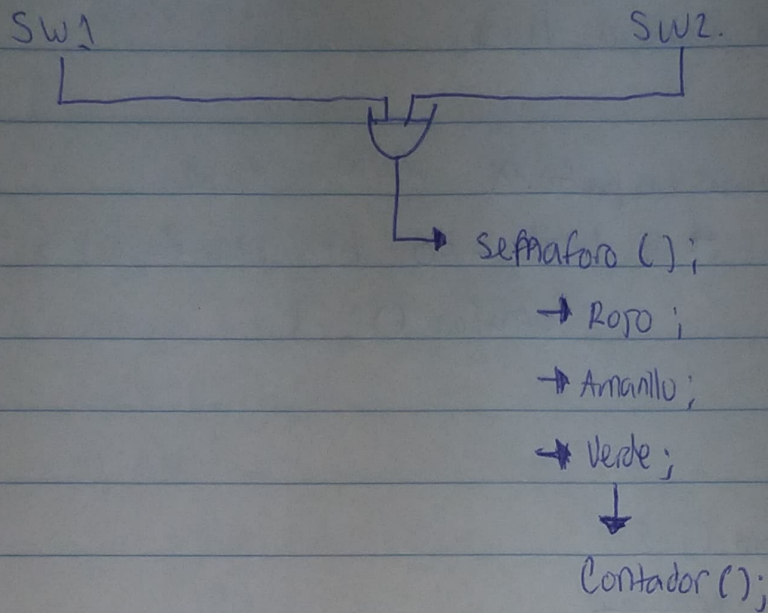


Diagrama de Flujo



Contador ();

SW1;
↓

Contador 1 = Contador 1 + 1;
Port X = Contador 1;

SW2
↓

Contador 2 = Contador 2 + 1;
Port Y = Contador 2;

IF (Port X bits. RX7 == 1) { led - Rozo = 1; Contador¹ = Contador 2 = 0; }
OR (Port Y bits. RY7 == 1) { led - Verde = 1; Contador 1 = Contador 2 = 0; }

Pseudo Código.

Setup ();

↓

Inicio de Camera. ();

Interrupcion en puerto X Push2 Push4

→ if (PX0 == 0 or PX1 == 0) {

 Semaforo (); }

Semaforo () {

~~if (Push~~

 Led_Rojo = High;

 delay (1000); // usando timer 1

 Led_Amarillo = High;

 delay (1000); // con timer 2

 Led_Verde = High;

 Contador ();

}

Contador () {

 // interrupcion en Push1

 if (Push1 == 0) {

 Contador1 = Contador1 + 1;

 Port X = Contador1;

}

```
if (Port2 == 0) {
```

```
    Counter2 = Counter2 + 1;
```

```
    Port Y = Counter2;
```

```
}
```

```
if (Port X bits. PX7 == 1 or Port X bits. PX7 == 7) {
```

```
    Counter1 = 0;
```

```
    Counter2 = 0;
```

```
    if (Port X bits. PX7 == 1) {
```

```
        Led-Port0 = High;
```

```
        Port X = 0;
```

```
        Port Y = 0;
```

```
    }
```

```
    if (Port Y bits. PY7 == 1) {
```

```
        Led-Port0 = High-
```

```
        Port X = 0;
```

```
        Port Y = 0;
```

```
}
```