**Ejercicio 3**

#define LEFT\_BUTTON\_PIN 8

#define RIGHT\_BUTTON\_PIN 9

#define LED\_PINS {2, 3, 4, 5, 6}

int ledPins[] = LED\_PINS;

int currentLed = 2; // Inicia con el LED #3 encendido

void setup() {

pinMode(LEFT\_BUTTON\_PIN, INPUT\_PULLUP);

pinMode(RIGHT\_BUTTON\_PIN, INPUT\_PULLUP);

for (int i = 0; i < 5; i++) {

pinMode(ledPins[i], OUTPUT);

}

digitalWrite(ledPins[currentLed], HIGH);

}

void blink(int pin, int times, int interval) {

for (int i = 0; i < times; i++) {

digitalWrite(pin, HIGH);

delay(interval);

digitalWrite(pin, LOW);

delay(interval);

}

digitalWrite(pin, HIGH); // Deja el LED encendido

}

void loop() {

if (digitalRead(LEFT\_BUTTON\_PIN) == LOW) {

digitalWrite(ledPins[currentLed], LOW);

currentLed = (currentLed - 1 + 5) % 5;

if (currentLed == 4) {

for (int i = 0; i < 5; i++) {

blink(ledPins[i], 4, 500);

}

} else {

blink(ledPins[currentLed], 3, 1000);

}

}

if (digitalRead(RIGHT\_BUTTON\_PIN) == LOW) {

digitalWrite(ledPins[currentLed], LOW);

currentLed = (currentLed + 1) % 5;

if (currentLed == 0) {

for (int i = 0; i < 5; i++) {

blink(ledPins[i], 4, 500);

}

} else {

blink(ledPins[currentLed], 3, 1000);

}

}

}