**Ejercicio 2**

#define POT\_PIN A0

#define LED1\_PIN 2

#define LED2\_PIN 3

#define LED3\_PIN 4

void setup() {

pinMode(POT\_PIN, INPUT);

pinMode(LED1\_PIN, OUTPUT);

pinMode(LED2\_PIN, OUTPUT);

pinMode(LED3\_PIN, OUTPUT);

}

void sequence1() {

digitalWrite(LED1\_PIN, HIGH);

delay(1000);

digitalWrite(LED2\_PIN, HIGH);

delay(1000);

digitalWrite(LED3\_PIN, HIGH);

delay(1000);

}

void sequence2() {

digitalWrite(LED3\_PIN, HIGH);

delay(1000);

digitalWrite(LED2\_PIN, HIGH);

delay(1000);

digitalWrite(LED1\_PIN, HIGH);

delay(1000);

}

void loop() {

int potValue = analogRead(POT\_PIN);

if (potValue <= 500) {

sequence1();

} else if (potValue <= 1000) {

sequence2();

}

// Apaga todos los LEDs antes de la próxima lectura

digitalWrite(LED1\_PIN, LOW);

digitalWrite(LED2\_PIN, LOW);

digitalWrite(LED3\_PIN, LOW);

delay(1000);

}