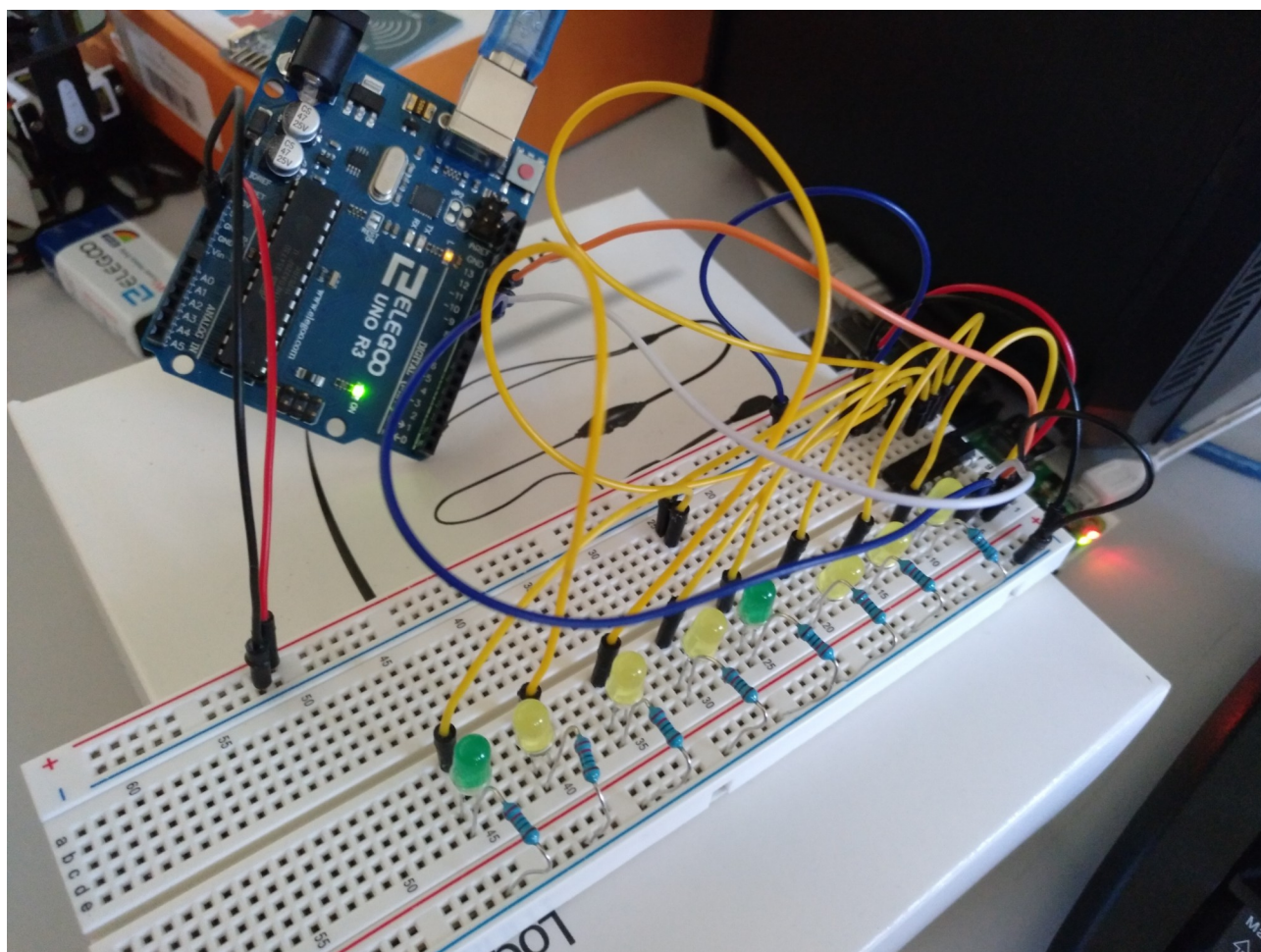
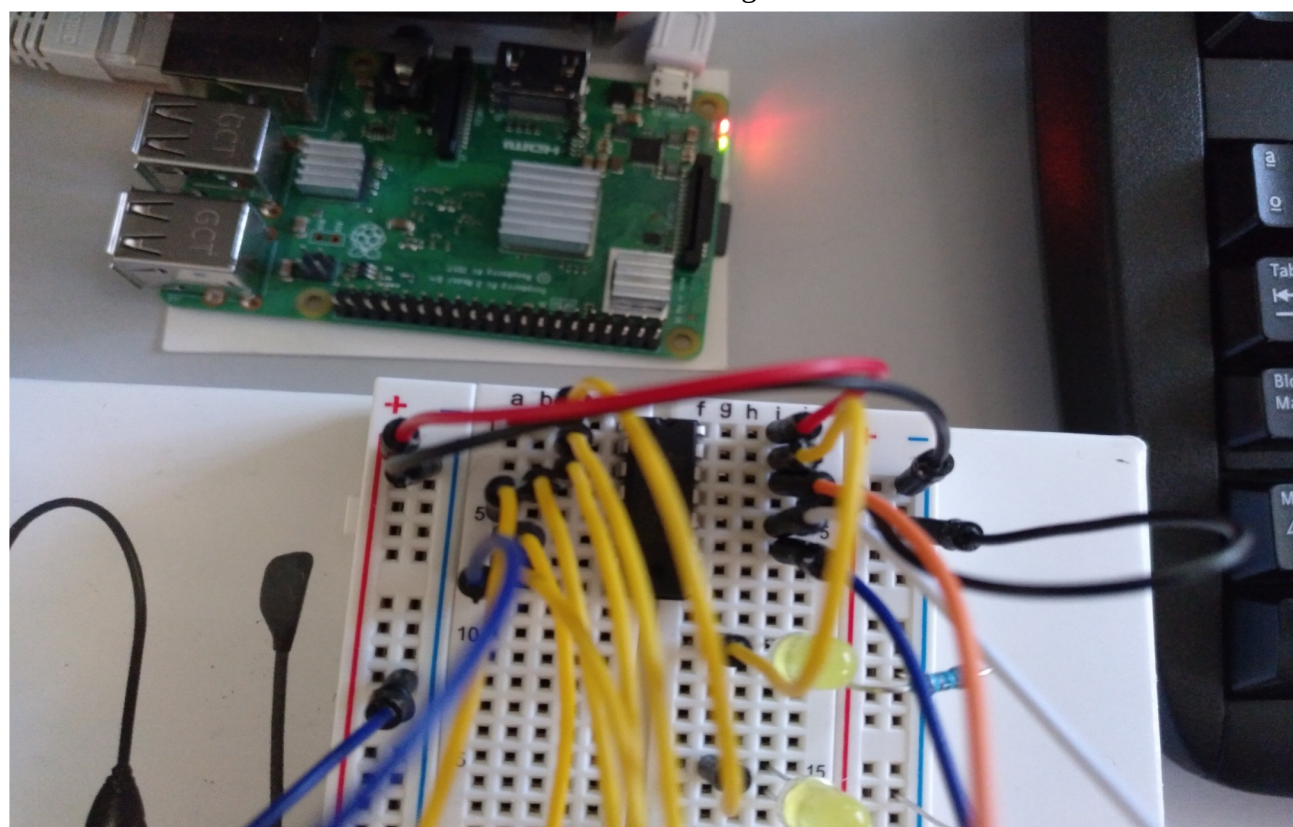


Visió general del muntatge.

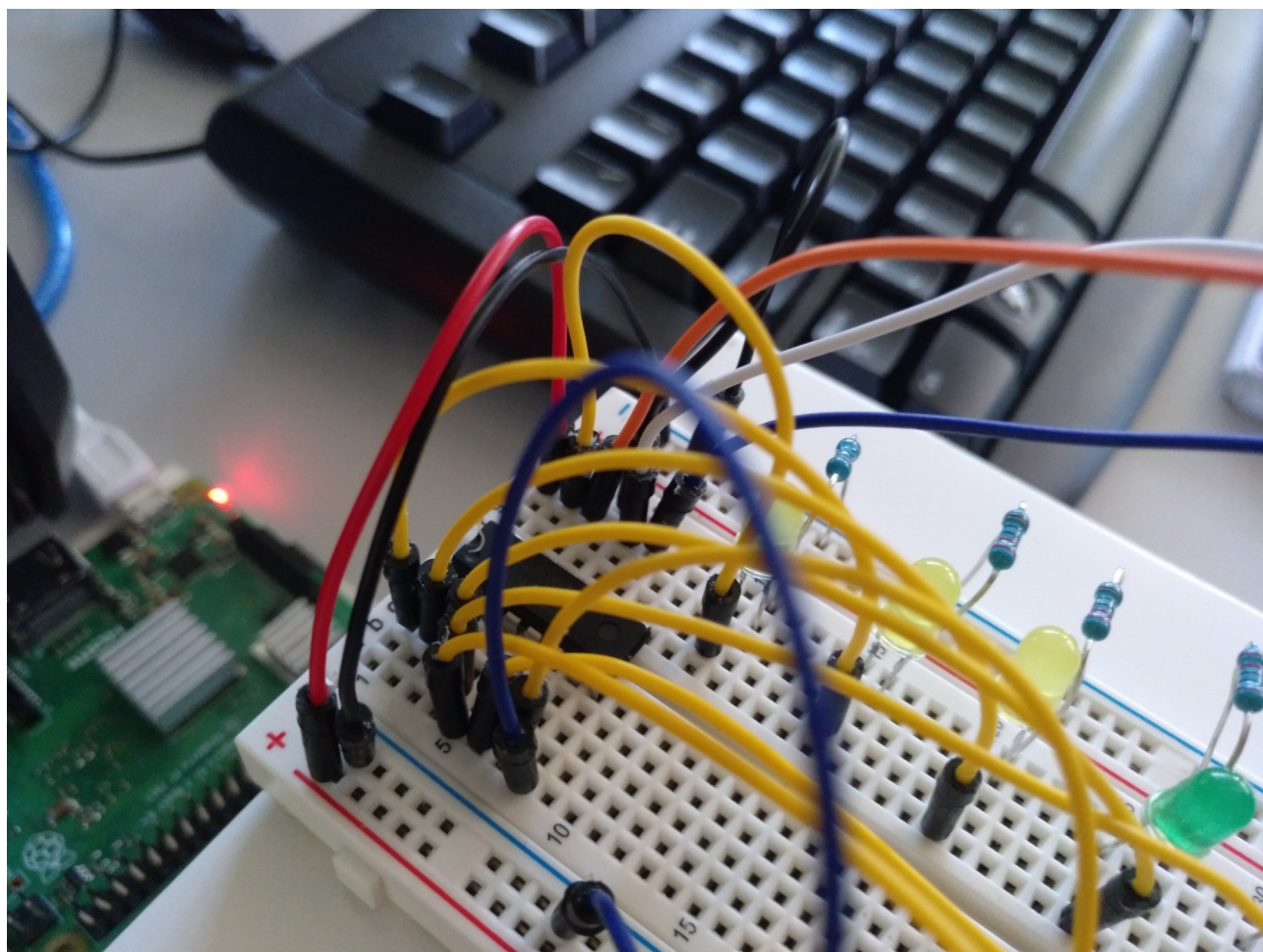




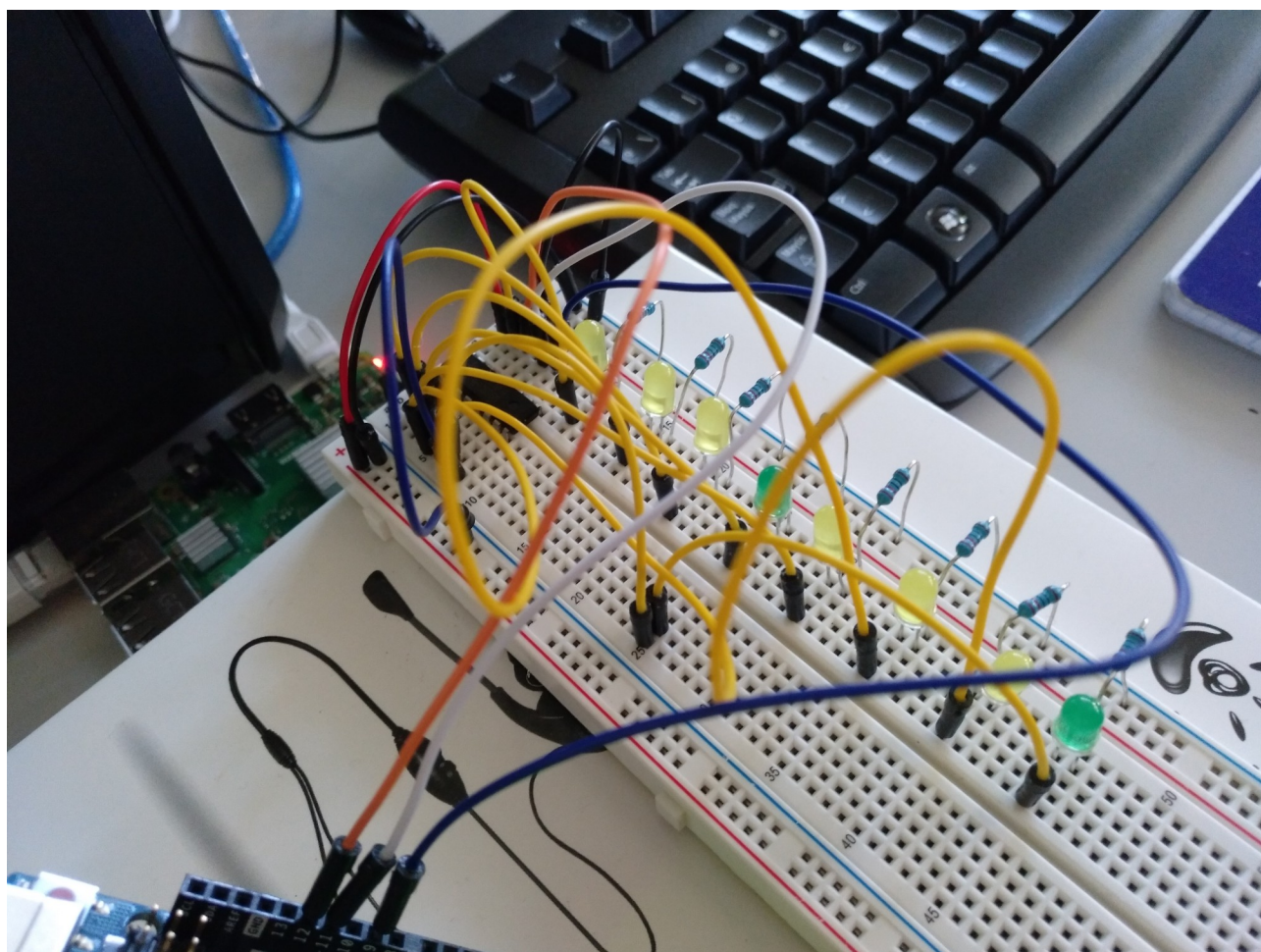
Detall del muntatge.



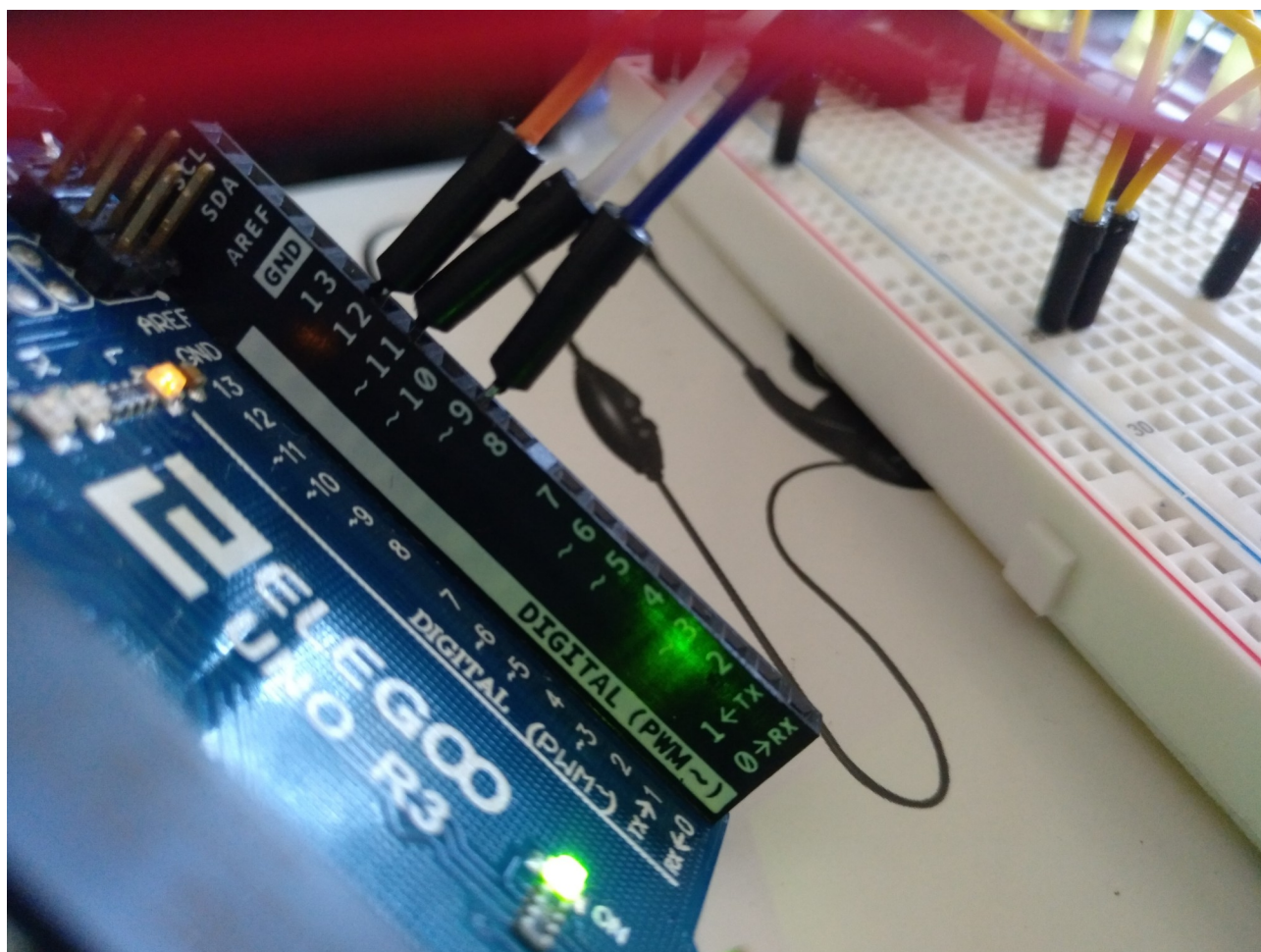




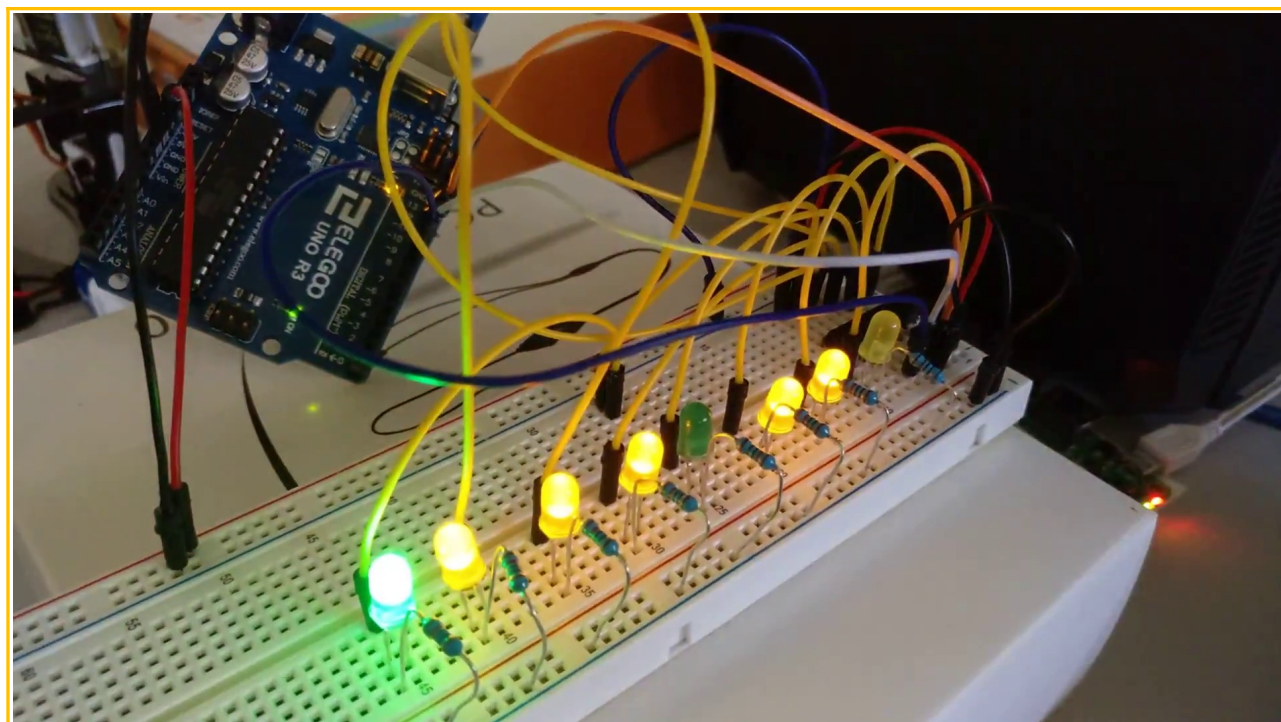
Detall del muntatge







Detall del muntatge i vídeo funcionament



Codi usat:

```
int latchPin = 11; // (11) ST_CP [RCK] on 74HC595
int clockPin = 9;  // (9) SH_CP [SCK] on 74HC595
int dataPin = 12;  // (12) DS [S1] on 74HC595

void updateShiftRegister(byte leds){
    shiftOut(dataPin, clockPin, LSBFIRST, leds);
}

void imprimeixText(String text){
    for(int i=0; i < text.length(); i++){
        char data = text.charAt(i);

        Serial.print(data);
        Serial.print(": ");
        Serial.println(data, BIN);

        digitalWrite(latchPin, LOW);
        for (int j = 0; j < 8; j++){
            updateShiftRegister(data);
        }
        digitalWrite(latchPin, HIGH);
        delay(2000);
    }
}

void apagarho(){
    byte r = 0;
    digitalWrite(latchPin, LOW);
    updateShiftRegister(r);
    digitalWrite(latchPin, HIGH);
}

void setup() {
    pinMode(latchPin, OUTPUT);
    pinMode(dataPin, OUTPUT);
    pinMode(clockPin, OUTPUT);
    digitalWrite(latchPin, LOW);
    Serial.begin(9600);
}

void loop() {
    if (Serial.available()){
        String text = Serial.readStringUntil('\n');
        imprimeixText(text);
        delay(10000);
        //apaga-ho tot
        apagarho();
    }
}
```