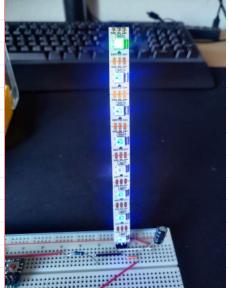
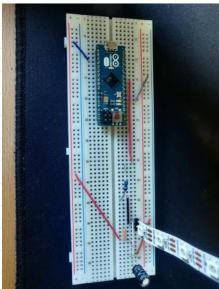
1.1

1.2.

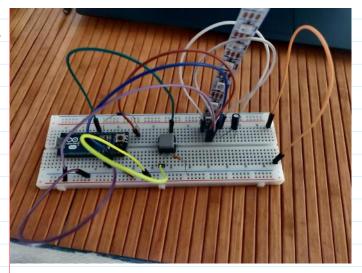




-> Siehe Video

```
1.3.
```

-> Siehe Video -> Aufbau wie 1.1 1.4.



Lib:

adafruit/Adafruit NeoPixel: Arduino library for controlling single-wire LED pixels (NeoPixel, WS2812, etc.) (github.com)

-> Behe Video

void loop() {
 if(millis() - time > DELAY) {

int state = digitalRead(BTN);
if[(state == HIGH)] {
 trigger();

```
| trigger();
}
prevBTN = state;
}
```

```
#include <Arduino.h>
#define SERIAL_IN 2
#define RCK 4
#define SCK 7

int time = 0;
byte sec = 0;
byte min = 0;

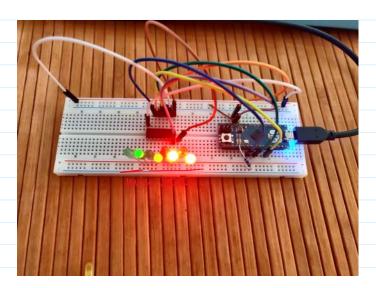
void setup() {
    pinMode(SERIAL_IN, OUTPUT);
    pinMode(SCK, OUTPUT);
    digitalWrite(SCK, LOW);
}

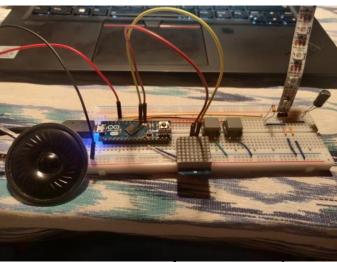
void writeBytes(){
    digitalWrite(RCK, LOW);
    shiftOut(SERIAL_IN, SCK, MSBFIRST, (min << 6 + sec));
    digitalWrite(RCK, HIGH);
}

void setTime(){
    sec = sec + 1;
    if(sec == 60){
        sec = 60;
        min = min + 1;
    }

void loop() {
    if(millis() - time >= 1000){
        time = millis();
        setTime();
        writeBytes();
    }
}
```

○oU o : 8-bit shift register with output latches (3-state)





-> riche Vides + (sde -> Leider nicht richtig gespeicher); muss underholt werden

3.