

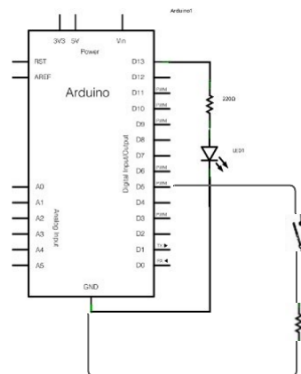
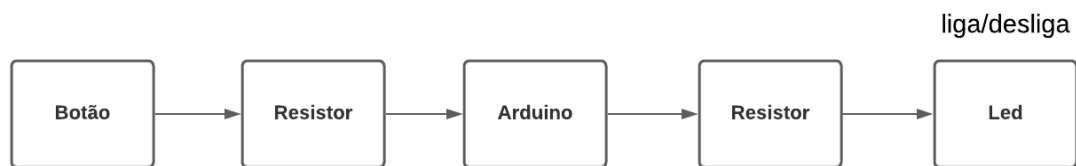
IFPB - Instituto Federal de Educação, Ciência e Tecnologia da Paraíba

Disciplina: Sistemas Embarcados

Professor: Alexandre Sales Vasconcelos

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05 - Atividade - Interrupções (ATmega328)



Código:

```
#include <Arduino.h>
```

```
int pLed = 13;
```

```
int pKey = 2;
```

```
int state = 0;
```

```
int tHigh = 2000;
```

```
int tLow = 1000;
```

```
void setup() {
```

```
    pinMode(pLed, OUTPUT);
```

```
    pinMode(pKey, INPUT_PULLUP);
```

```
    attachInterrupt(digitalPinToInterrupt(pKey), func_blink, FALLING);
```

```
}

void loop() {
    digitalWrite(pLed, HIGH);
    delay(tHigh);
    digitalWrite(pLed, LOW);
    delay(tLow);
}

void func_blink() {
    state = !state;

    if (state == 1) {
        tHigh = 2000;
        tLow = 1000;
    } else {
        tHigh = 5000;
        tLow = 25000;
    }
}
```