



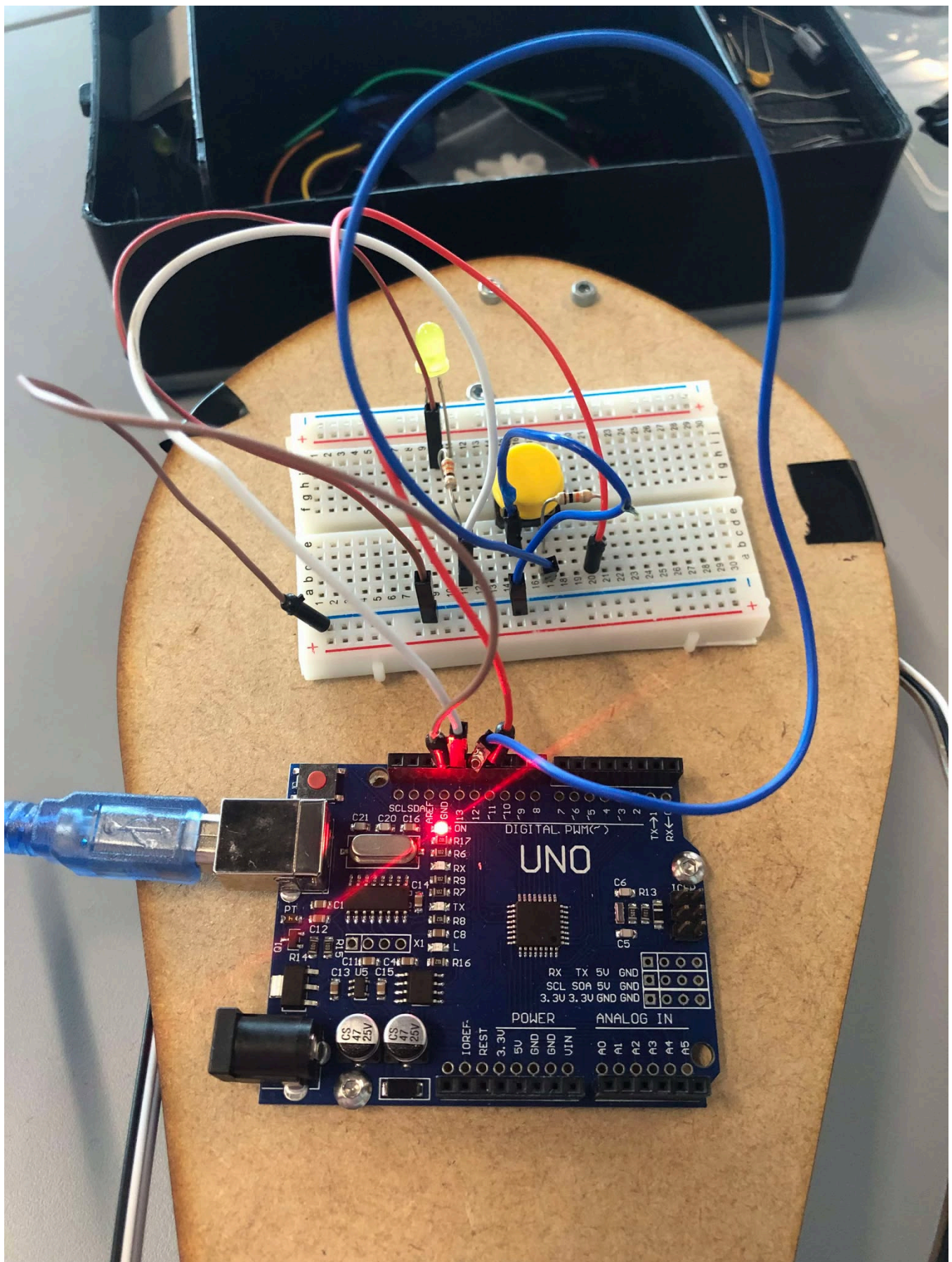
MA 7

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Group: Luckas

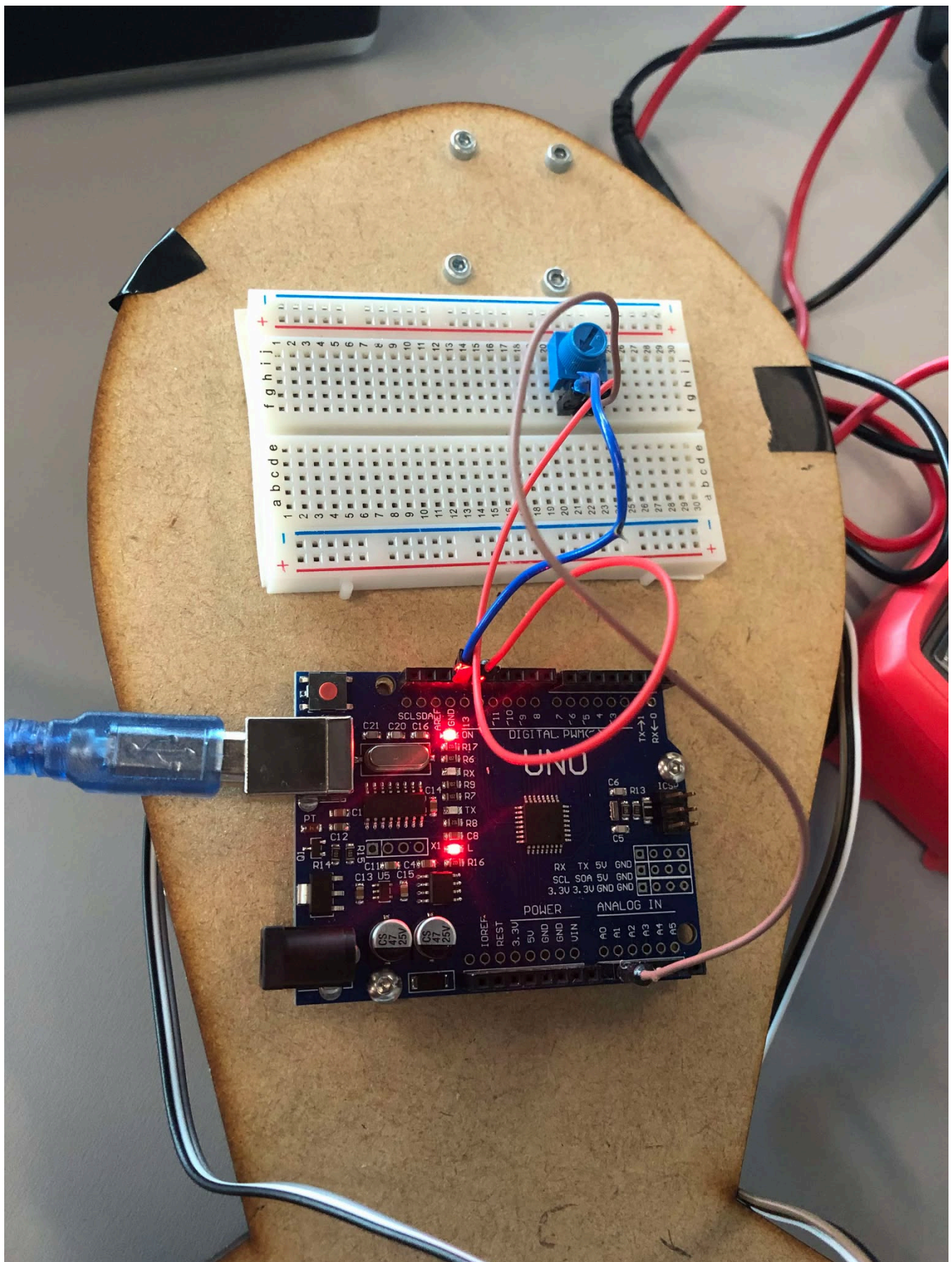
Part 1

Exercises 2



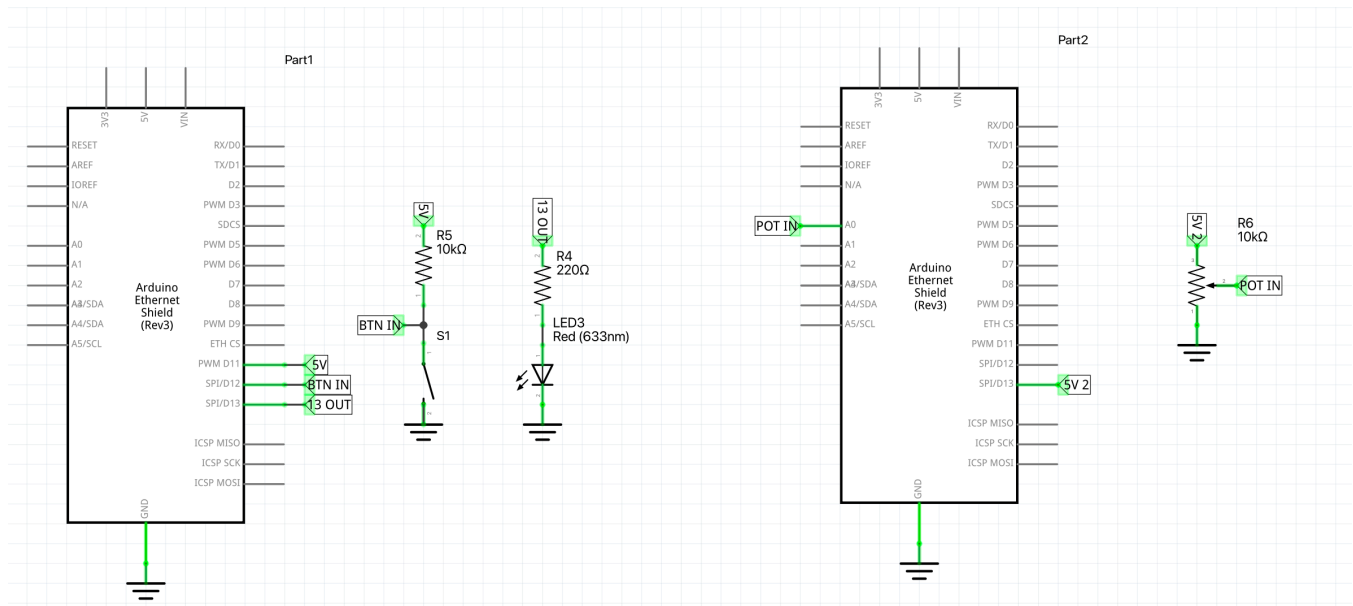
The video can be seen in the `blink_when_pressed.mp4` file.

Exercise 3



The video can be seen in the `read_potentiometer.mp4` file.

The exercises breadboards and schematics can be seen below:



The files can also be seen in the `MA7.fzz` file.

Part 2

The video can be seen in the `line_following_robot.mp4` file.

The arduino code can be seen below:

```
#define LMIN 13
#define LMOUT 12
#define RMIN 11
#define RMOUT 10

void setup() {
  pinMode(LMIN, INPUT);
  pinMode(LMOUT, OUTPUT);
  pinMode(RMIN, INPUT);
  pinMode(RMOUT, OUTPUT);
}

void loop() {
  if (digitalRead(LMIN) == LOW){
    digitalWrite(LMOUT, LOW);
  } else {
    digitalWrite(LMOUT, HIGH);
  }
  if (digitalRead(RMIN) == LOW){
    digitalWrite(RMOUT, LOW);
  } else {
    digitalWrite(RMOUT, HIGH);
  }
}
```