

## **Session report 15**

### **Before the session:**

I had time to finish welding the last wires and connecting everything to an Arduino Mega to be able to start the test protocol I had written some time before.

Here on the image, we can see the name of the functions I test one by one to make sure everything is running well.

```
void loop() {  
  // TEST SEQUENCE: led,ls,relay,stepper,lift  
  lsTest(); //green light is ls pressed  
  relayTest(); //activate relays in turns  
  stepperTest2(); //one turn cw one cc  
  sliderTest(); //slider moves back to front  
  sliderTest2(); //slider moves front to back and ativate pump and valve  
  DCmotorTest(); //3sec cc and 3sec cw  
  liftTest(); //  
}
```

### **During the session:**

The afternoon before I couldn't make the stepper run again, I found out that I had inverted to cables and one pin of the driver wasn't connected to the GND. I then could go on the Test Sequence and nearly finished it. I am still missing the two limit switches for the lift and then everything will be done. I finally tried the LED strip that is around the robot.