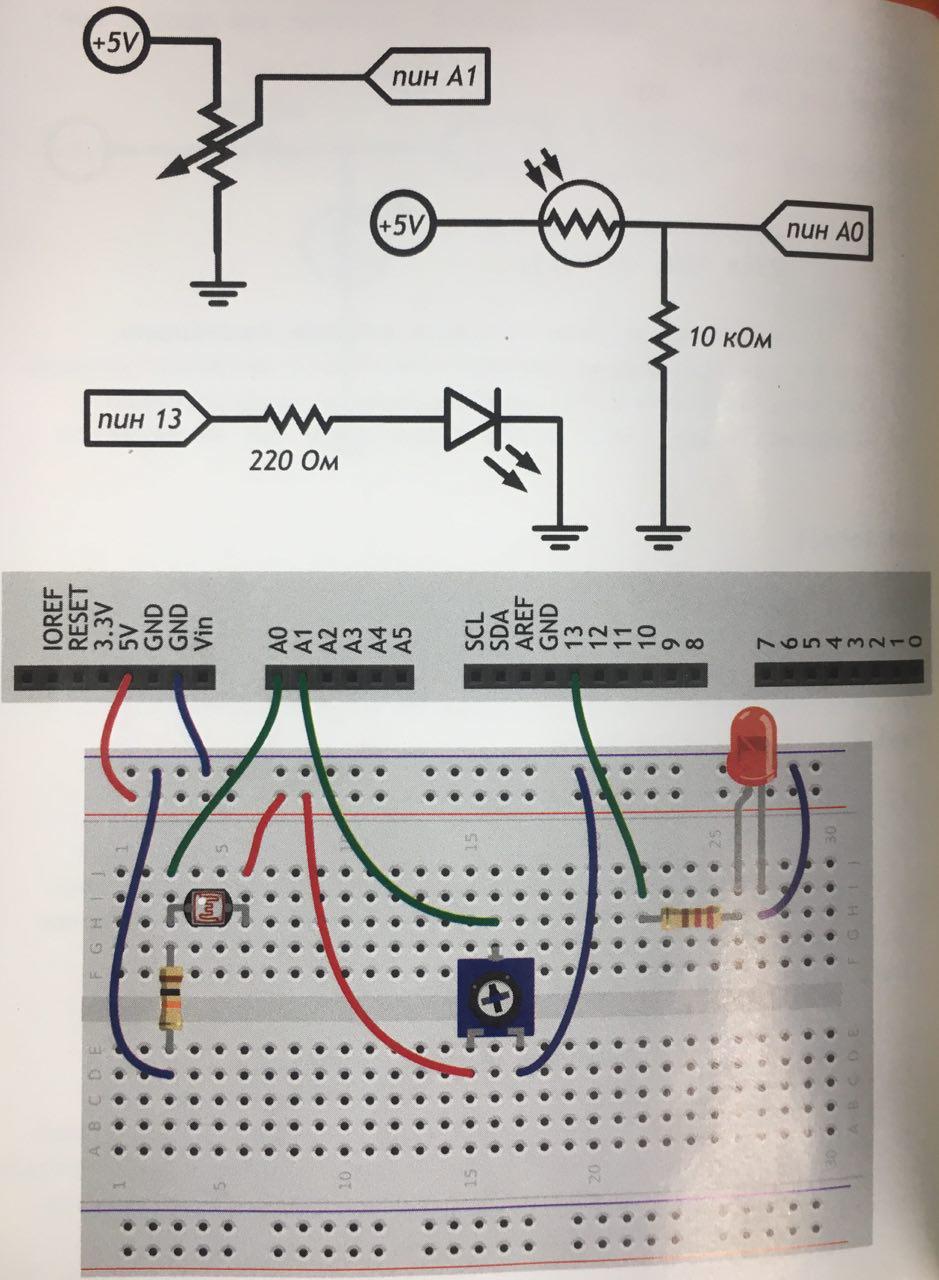
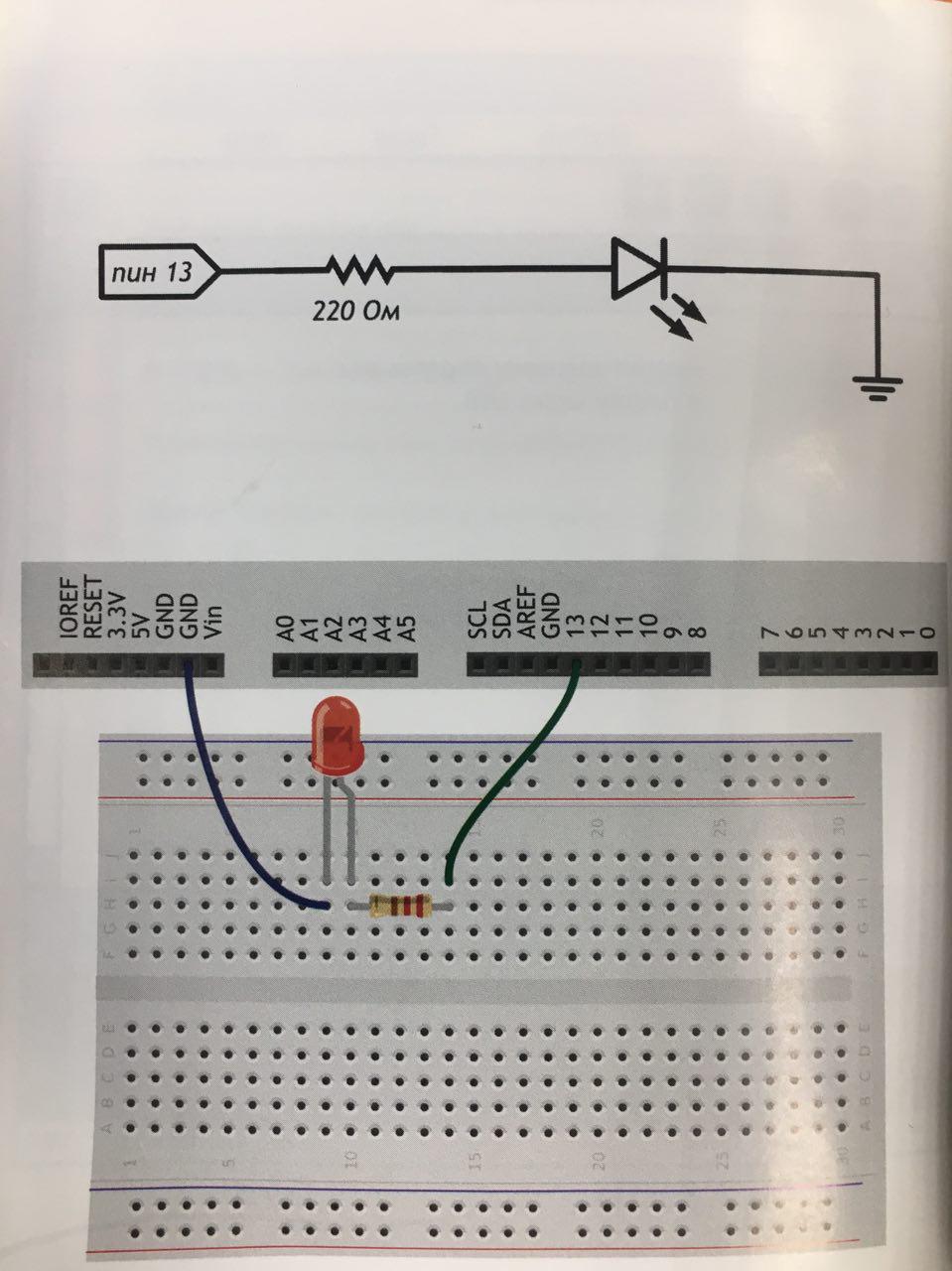
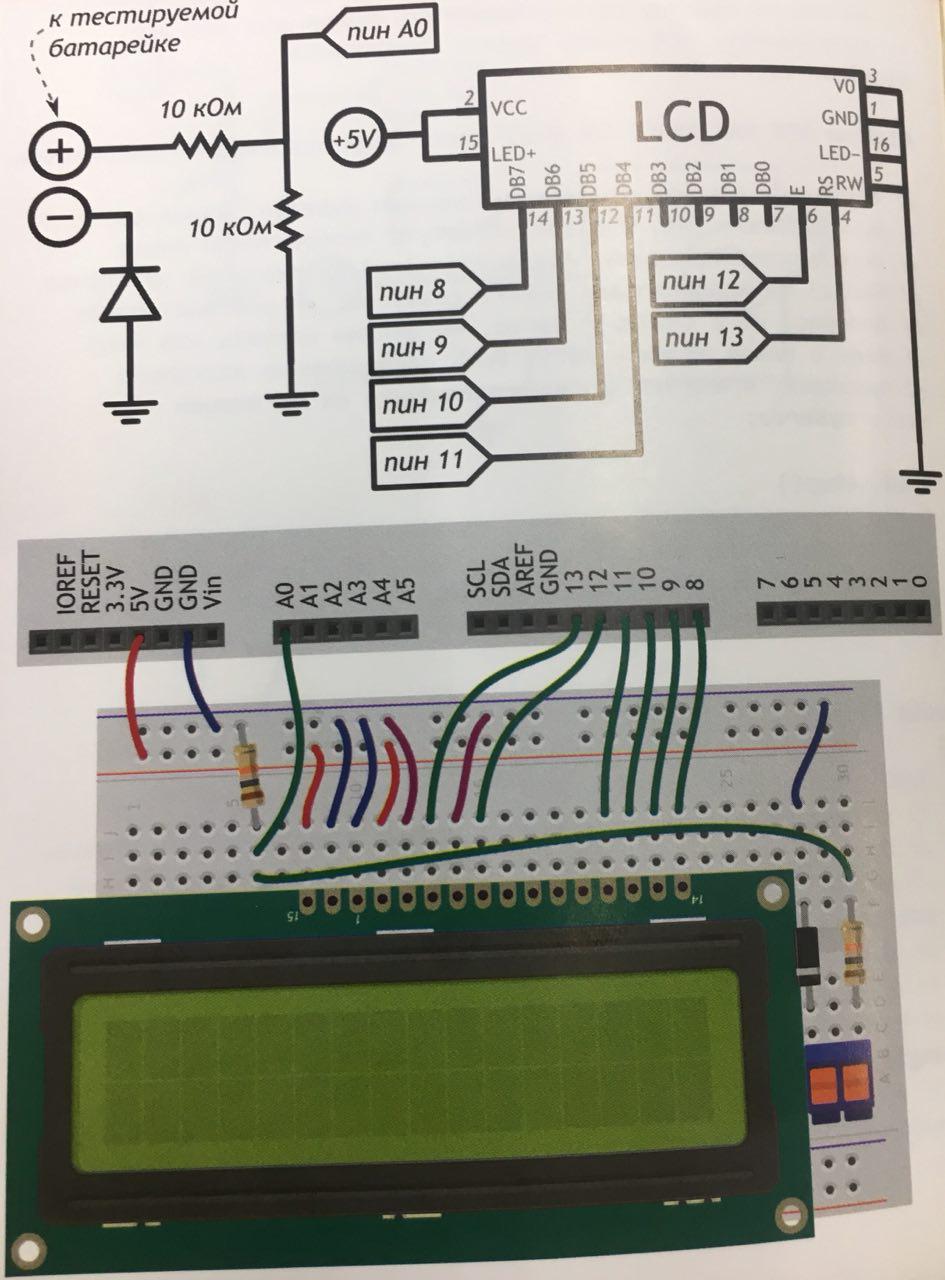
Ночной светильник

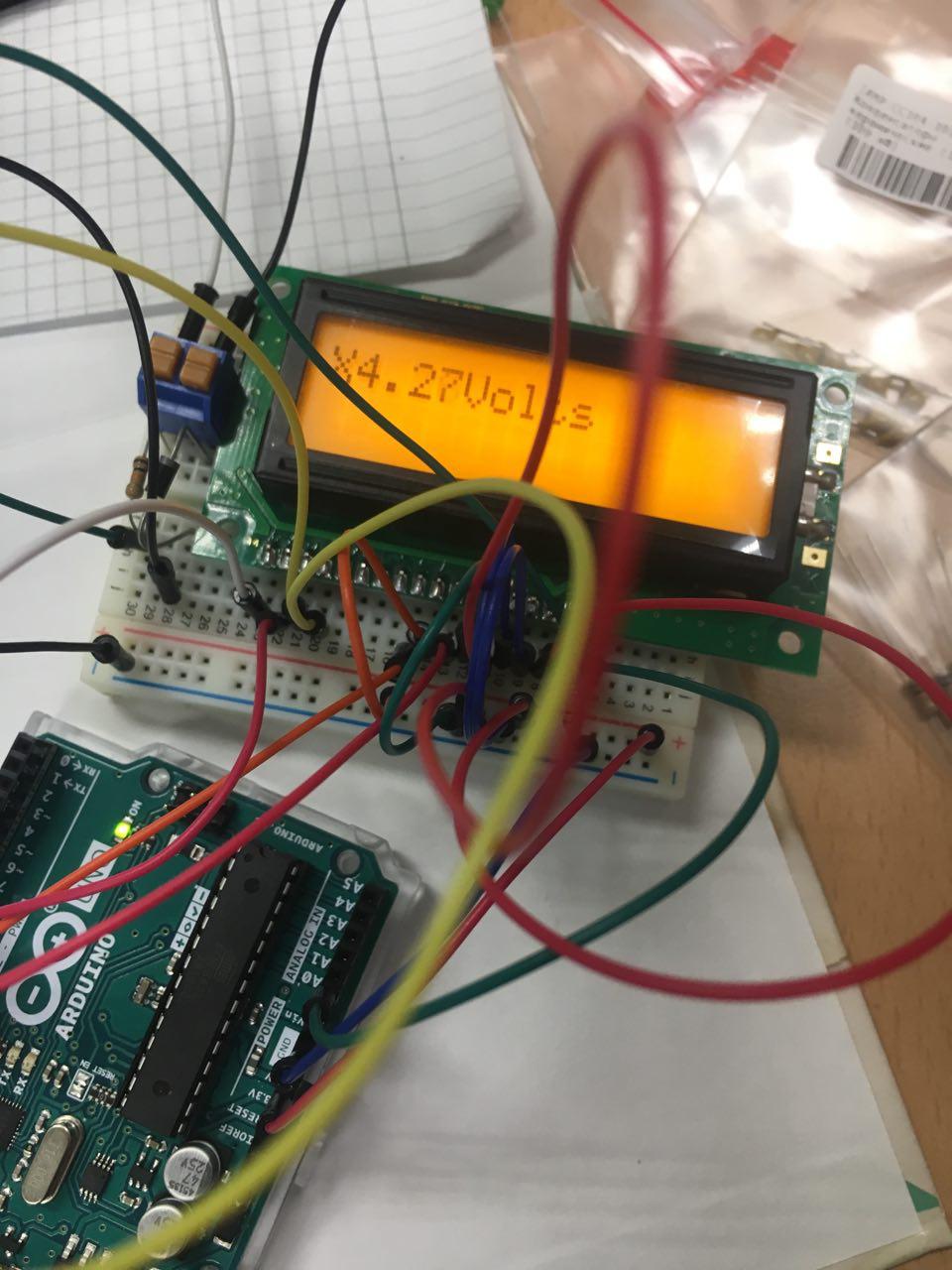


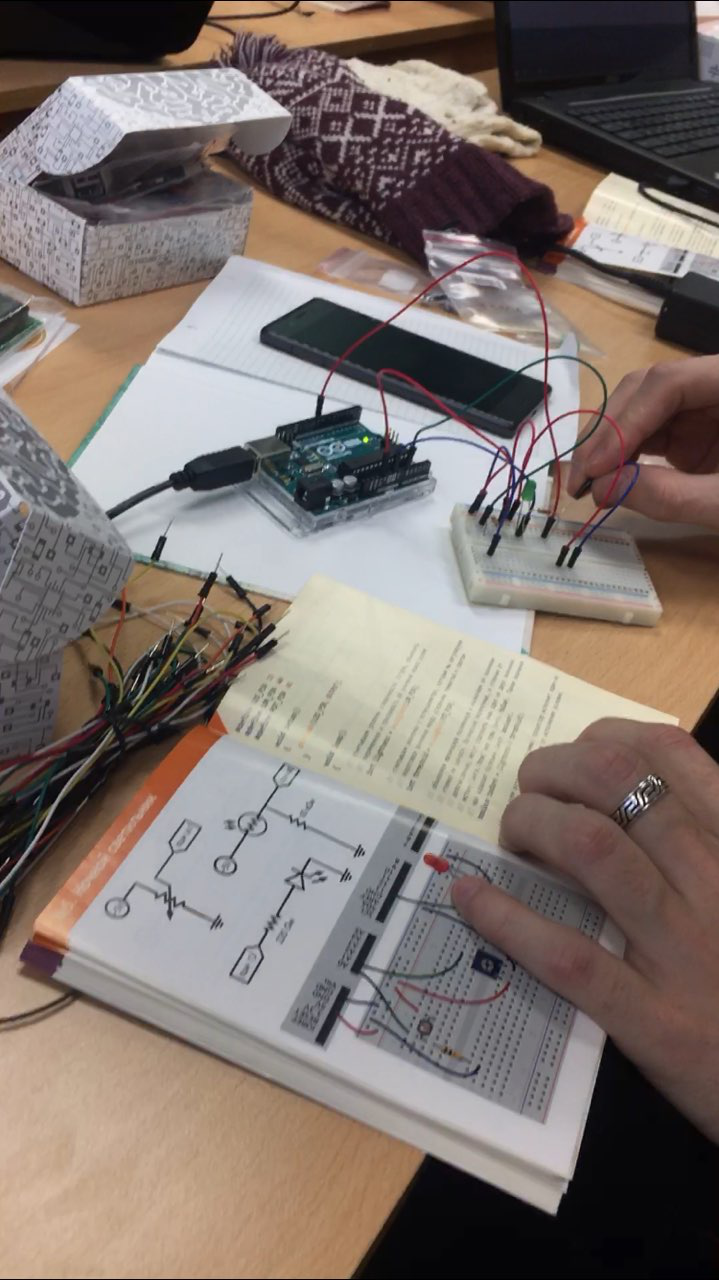
Маячок



Тестер батареек



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Приложение

**Тестер батареек**

#include <LiquidCrystal.h>

#define DIODE\_DROP 0.7

LiquidCrystal lcd(13,12,11,10,9,8);

void setup() {

// put your setup code here, to run once:

lcd.begin(16,2);

lcd.print("Battary ");

}

void loop() {

// put your main code here, to run repeatedly:

float voltage = analogRead(A0) / 1024.0 \* 10.0;

if (voltage > 0.1)

voltage +=DIODE\_DROP;

lcd.setCursor(1,0);

lcd.print(voltage, 2);

lcd.print("Volts");

}

**Маячок**

#define LED\_PIN 9

void setup() {

// put your setup code here, to run once:

pinMode(LED\_PIN, OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

analogWrite(LED\_PIN, 85);

delay(250);

analogWrite(LED\_PIN, 170);

delay(250);

digitalWrite(LED\_PIN, 255);

delay(250);

}

void setup() {

// put your setup code here, to run once:

pinMode(13, OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

digitalWrite(13, HIGH);

delay(100);

digitalWrite(13, LOW);

delay(900);

}

**Ночной светильник**

#define LED\_PIN 13

#define LDR\_PIN A0

#define POT\_PIN A1

void setup() {

// put your setup code here, to run once:

pinMode(LED\_PIN, OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

int lightness = analogRead(LDR\_PIN);

int threshold = analogRead(POT\_PIN);

boolean tooDark =(lightness < threshold);

if (tooDark)

{

digitalWrite(LED\_PIN, HIGH);

}

else

{

digitalWrite(LED\_PIN, LOW);

}

}