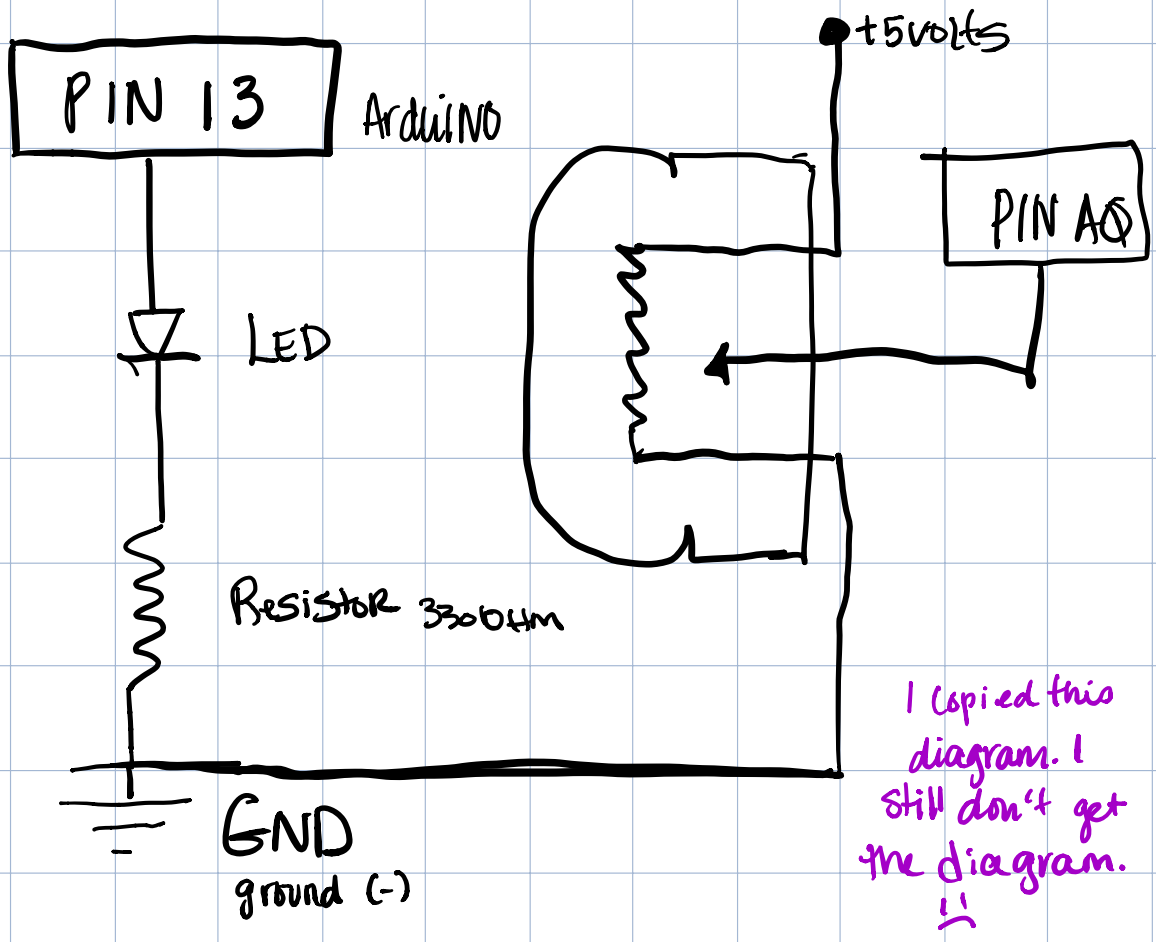
Week 2 (for Real)

Nov 8, 2018

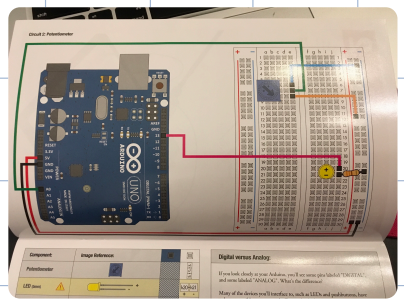
This week we are using a potentiometer or variable resistor. Basically, it's a dial. So we're going to use a dial to change the intensity of the LED light.



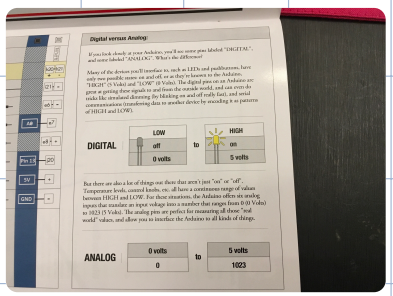
I copied this diagram. I still don't get the diagram. :(

Here's what I think it means. (Before I try it)

- I got a wire in the 5V part so I have to have a ground one.
- Then I use the analog part and I think it goes w/ the dial.
- Then I have the # 13 pin which was just like last time; it's still my output. So I think I'll see that still in the code.
- Then there are 2 wires bringing power to the dial.



I can understand this kind of picture, but I think if I keep drawing the electrical ones, they might start making more sense too.



This is a good explanation. This makes sense to me.

Tomorrow: I Build it.

OK

So I was able to build the circuit. YAY!!

- I thought it would be brighter but its really just faster.

- I used the sketch in files; it worked fine

- when I added the second digital switch (LED) I had to change the code

```
int ledPin = 13
```

had to go so that

I could do it.

Then I added

```
pinmode (13, OUTPUT);
pinmode (12, OUTPUT);
```

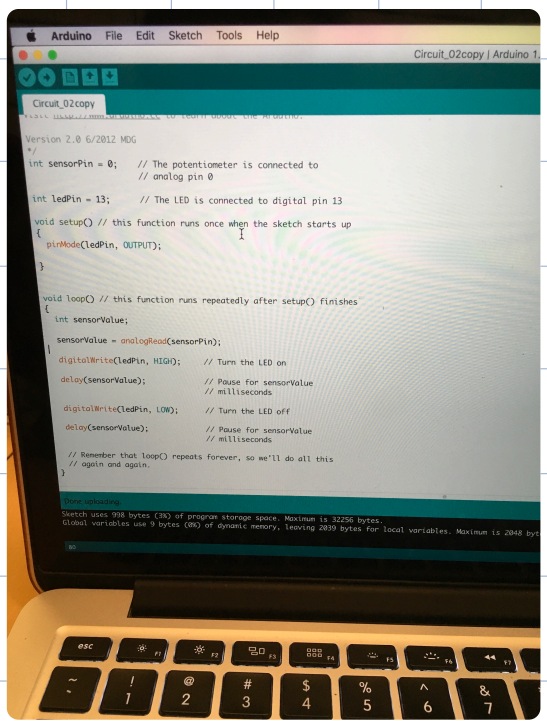
and changed everywhere that it said LedPin to the pins 12 + 13

I'm not understanding why I'd want 2 analog pins and one digital.
Is that like when you have 2 switches for

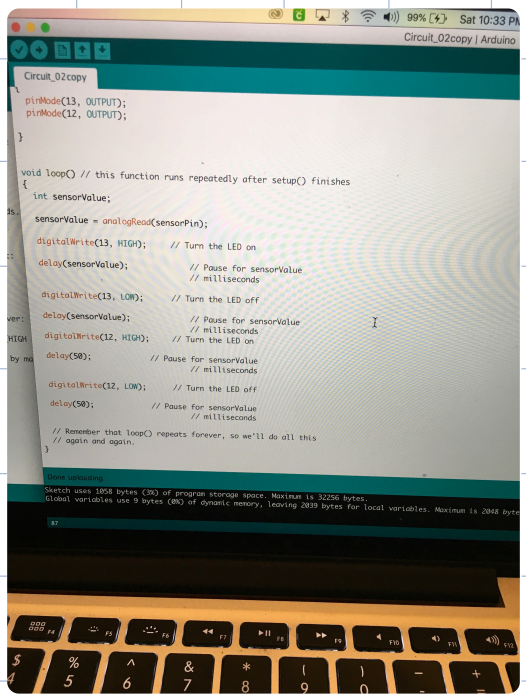
Your one light? like at the top + bottom of my stairs?

I did make both LEDs blink @ different rates.

- Changed Delay on Pin 12 to 50 (I played w/ this number a lot)
- Left Delay for Pin 13 @ Sensor Value



This is the code for one digital pin and one analog pin



This is the code for 2 digital pins and one analog. Also the pins have different delays