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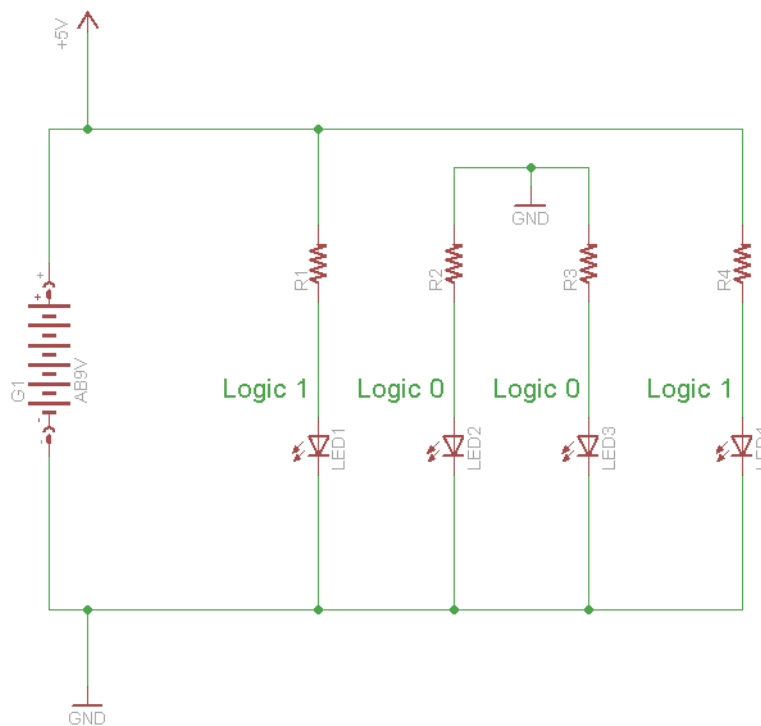
## Introduction To Digital Electronics – Lesson 2: Number Systems

### SCHEMATICS

The following schematic material is meant to go with the online lesson found here:  
[http://www.pyroelectro.com/edu/digital/number\\_systems/](http://www.pyroelectro.com/edu/digital/number_systems/)

### LEDS AS BINARY LOGIC NUMBER DISPLAYS

In this lesson we learned that binary logic consists of only 2 numbers: 0 and 1. Going further we learned that since LEDs can either be on or off they make perfect binary number displays. We used one example of this by creating the binary number 1001 with LEDs, here's the schematic of that:



Really the schematic is just turning on some LEDs with the On-Off-Off-On pattern that matches the 1001 of binary. Translating 1001 to decimal we get the number 9.

### ADDITIONAL INFORMATION

To ask questions about anything found in this schematic please  
head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=21>