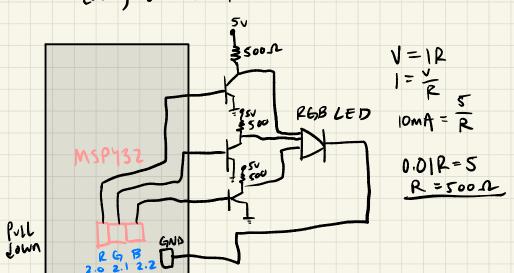
LAB 1

Objectives

- 1) Develop a program for the msp432 that interfaces with the pishbutton switches to control the sequencing of color lighting using a RGB LED
- 2) Use the Systick timer to generate percise time intervals for controlling duration of LED Illumination
- 3) Implement a Debouncer
 4) Develop a program that uses multiple push buttons
 to carry out a function.



Debance Article Summary

The overall thing that I learned from the article that Swith Litton debarcing is extreenly inconsistant. It may take 500 ms to reach a stable reading or 1 ms or the rest press. This shows that delay deborring is bad in Software because the nature of having a fixed delay time simplialy is inneficent. With Software, it is best to have a dynamic wait time that will wait until there is a stable reading on the Pising edge. I also learned that there is deborreng creatis that remove the inconsistantcy of Analog components.

Hardware Solution

This solution will fully discharge 50
When the Switch/Lufton is pressed
but in the inconsistant state.

Solution I will Implement

I plan on Implementing the Software Solution as I am a Computer engineer and I want to have liberies of code throughout the Senester that I can Implement into many project.