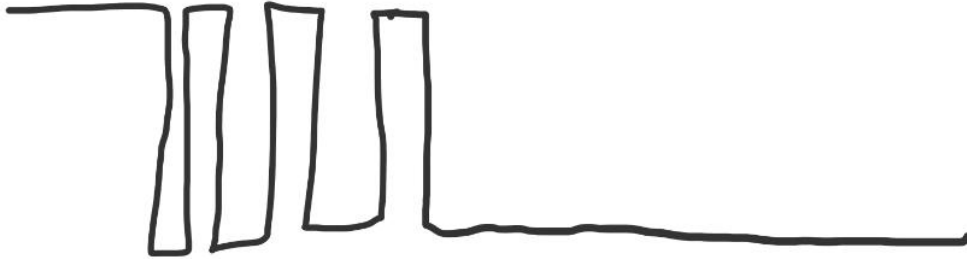


ME333
Quiz 5

1. Bouncy voltage:



You can debounce the signal by introducing a delay (~10ms) in the beginning of the ISR and then checking if the button still reads as being pressed. If it was a “fake” press, this will not execute the ISR and exit the interrupt. If it was a “real” press, then the ISR will execute.

2. IFSx sets the flag
IECx enables an interrupt
IPCx sets the priority and subpriority
3. The second method uses integer math instead of floating point math, and this is much faster to execute. You can look in the .dis file and see that there are fewer lines of assembly code to perform integer math in comparison to floating point math.