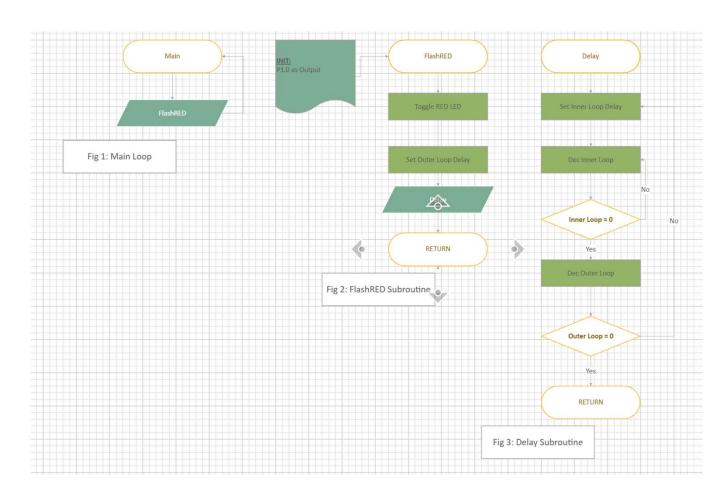
Project 1

Ben Weizenegger

Project Goal

- Blink both the Red LED and green LED on MSP430 at frequency of 0.5Hz
- Red LED was blinked using a subroutine call
- Green LED was blinked using a timer interrupt

Subroutine Call

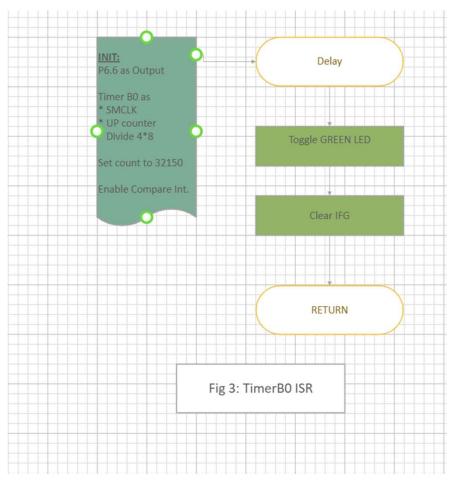


Started with 50000 for inner loop value in R14
10 for outer loop

Was about 1.4s on, 1.4s off

Eventually reduced to 35000

Timer-Interrupt



Started with compare value of 31250: 1000000/(4*8) = 31250

Too fast, eventually changed to 32830

Why one or the other?

- Subroutines are simpler, but must be implemented into main program flow
- Timer interrupts are asynchronous, so can be run next to main program
 - More precise timing