4. ISR question: For system of problem three (Interrupt Controller, 4 bits ...) create an Interrupt Service Routine for the following situation. Timer Module is hooked to the most significant bit of the four identified in the question. When the timer service is requested, reset the appropriate flags, increment the value in R11 and send the value to the LEDs. The Interrupt controller address is identified in Problem 3. The Timer Module is located at 0x84460000, and the LED interface GPIO is located at 0x84480000. Do not worry about register volatility.

Det IRR, 0x04-?

10 00 0x500lis 12, 0x8446 (Timer Module lis 13, 0x8444 (INTC lis 14, 0x8448 (GPIO Lis 21, IPR(13)

augi. L2) 1911 0x8

begand -? look again

dw [6,0(12)

11 (7,0x8

) tw (7, TAR (13)

aldi (11,11)

stw (11,0(14)

endirfi