the code rets.

1. Information representation. We gotta have some question about number representation. Consider number system(s) that contain 10 bits, with the radix point just to the right of the MSB. For that arrangement of bits, fill in the missing elements of the following table. (Remember that Maximum 1010100000 is right-most on the number line; minimum is left-most on the number line.) 0101011111 Value Unsigned binary pattern Twos-complement pattern 011111 11116 11 1111 1111 Maximum 0/0/100000 O o o e o eccoo 10 0000 0000 Minimum 0,0110100001 0,011010000 13/32 المكال 1.110100000 -3/16N/A 7/4=016 1.100 cooce L N/A 13/4 N/A 1.010100000 2. General information question: a) How does a programmer preserve the values of registers for "normal" processing when an interrupt is encountered? Give a two instruction sequence that will preserve registers R16-R31. the programes stores the walus to a known location and restores the value wing the interupt usith stores and lines commands

I have rile, ox 1000 (sorry of housen't really used there since of can't get my store is a sequence of instructions (only 2 needed) that will set up the system to expect the interrupt table to be found at the third legal location for the table. That is what is the distribution of the table. table to be found at the third legal location for the table. That is, what is the third legal location for the interrupt table, and how do you set it up? you have to have multiple of 64 Do his 12, 0x0000000 perond legal is 0x000000000 perond legal lis 12,00002 mterpr ra io 0x00010000 jete c) When a branch-to-subroutine is encountered, where does the system store the address to which the subroutine should return? at depends if to critical or non-critical chatter case its non-critical so it ends up in SRRC and the state of MSR is stored in SSRI d) Assume a conditional branch is located at address 0x00010000. What is the highest address that 7 f f C 0x00010700 17FFC e) What is the purpose of the watchdog timer interrupt? The purpose of the watchday times is to provides a means of exape from systems errors inwhich it get stuck, by errors in