Homework Problems

Homework #1
Due on 10/13/2005

For given two 16-bit binary numbers N1 and N2 stored in the registers R1-R0 and R3-R2 respectively, write a program by using two’s complement to add and subtract the N1 with N2. The results should be stored back to the R1-R0 registers.

Ex. R1---R0
    - R3---R2
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    R1---R0

Homework #2
Due on 10/13/2005

For given two 16-bit BCD numbers N1 and N2 stored in the registers R1-R0 and R3-R2 respectively, write a program to subtract the N1 with N2. The results should be stored back to the R1-R0 registers.

Ex. R1---R0
    -R3---R2
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    R3---R2---R1---R0