Assembly Language HW#1 (Due: 3/31)

- Write an assembly program using the LOOP instruction with indirect addressing that performs the following corresponding statements in C++. Use the following variables.

  wordArray1 WORD 1011h, 2022h, 3033h, 4044h, 5055h, 6066h
  wordArray2 WORD 2011h, 3022h, 4033h, 5044h, 6055h, 7066h
  wordArray3 WORD 3011h, 4022h, 5033h, 6044h, 7055h, 8066h
  sumArray DWORD LENGTHOF wordArray1 DUP(0)

  for( i=0; i< lengthof sumArray; i++)
    sumArray[ i ] = wordArray3[ i ] – ( wordArray2[ i ] – wordArray1[ i ] );

- Please hand-in the report with following items
  1. the source code listing
  2. the content of the captured debugging screen
     - Please capture the screen of VS2005 memory debugging window to show the memory content of sumArray before and after the execution of your program.
  3. your comments on the source code and the captured debugging screen