

Homework

Write a procedure named CountMatches that receives points to two arrays of signed doublewords, and a third parameter that indicates the length of the two arrays.

For each element **xi in the first array, if the corresponding yi** in the second array is equal, increment a counter. At the end, return a count of the number of matching array elements in EAX.

Write a test program that calls CountMatches and passes pointers to two different pairs of arrays.

Use the INVOKE statement to call CountMatches and pass stack parameters and create a PROTO statement for CountMatches.

Save and restore any registers (other than EAX) changed by your procedure.

BONUS (additional 2 points)

Find the count of all the matching elements (does not restrict to corresponding element)

Homework

Basic function

Reports 2 matches for the following arrays

array1 sdword 10,5,4,-6, 2,11,12

array2 sdword 10,5,3, 1, 4, 2, -6

BONUS function

Reports 5 matches for the following arrays

array1 sdword 10,5,4,-6, 2,11,12

array2 sdword 10,5,3, 1, 4, 2, -6

Assuming no duplicate elements in the arrays