%macro pushd 0

push edx

push ecx

push ebx

push eax

%endmacro

%macro popd 0

pop eax

pop ebx

pop ecx

pop edx

%endmacro

%macro sumArray 2

pushd

mov edx,len

add edx,'0'

mov ecx, %2

mov eax,0

%%\_sum:add eax,[ecx]

add ecx,1

dec edx

jnz %%\_sum

mov [%1],eax

mov eax, len

mov ecx, 4

mov edx,0

div ecx

mov ecx,eax

mov eax,[%1]

mov edx,0

div ecx

add eax,'0'

mov [%1],eax

popd

%endmacro

%macro print 2

mov ecx, %2

mov edx, %1

mov ebx, 1

mov eax, 4

int 0x80

%endmacro

section .text

global \_start

\_start:

sumArray sumArrayX,x

sumArray sumArrayY,y

mov eax,sumArrayY

sub eax,sumArrayX

mov ecx, eax

mov edx, 1

mov ebx, 1

mov eax, 4

int 0x80

mov eax, 1

int 0x80

section .data

x dd 5, 3, 2, 6, 1, 7, 4

len equ $ - x

y dd 5, 3, 2, 6, 1, 7, 4

segment .bss

sumArrayX resb 1

sumArrayY resb 1