

Swapping element of an array

model small

data

a db 10h, 20h, 30h, 40h, 50h

b db 11h, 22h, 33h, 44h, 55h

code

mov ax, @data

mov ds, ax

lea si, a

lea di, b

mov cx, 05h

d1: mov al, [si]

xchg al, [di]

mov [si], al

inc si

inc di

loop d1

mov ah, 4ch

int 21h

end,

model small

data

code

mov ax, @data

mov ds, ax

mov al, 63h

add al, 88h

daa

mov ah, 4ch

int 21h

end.



.model small

.data

num1 db 00h, 03h, 42h, 98h

num2 db 07h, 07h, 13h, 64h

res db 4 dup (?)

.code

mov ax, @data

mov ds, ax

mov si, 03h

mov cx, 04h

clic

deciadd: mov al, num1[si]

adc al, num2[si]

daa

mov num2[si], al

dec si

loop deciadd

mov aah, 4ch

int 21h

end.