

10/12
⑧ Addition using an array and lea instruction

Soln:

.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

l1: mov al, [si]
xchg al, [di]
mov [si], al
inc si
inc di
loop l1

mov ah, 4ch
int 21h
end