

- model small
- data

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

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

- code

mov ax, @data

mov dx, ax

lea si, a ; si will have starting address of a

lea di, b ; di will have starting address of b.

mov cl, 05h

; loop definition

back: mov al, [si] ; [si] retrieves the element present the address in si

xchg al, [di] ; exchanges the elements in al & [di]

mov [si], al

inc si ; si = si + 1

inc di

loop back ; cx = cx - 1; if cx != 0, then jump back to target

; to verify the output

lea si, a

lea di, b

mov bl, [si]

mov bh, [di]

mov ah, 4ch
int 21h
end