```
. model small
. data

a  db  10h, 20h, 30h, 40h, 50h
b  db  11, 22h, 33h, 44h, 55h
. code
mov ax @data
mov ds, 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 elements present the address ph si
       xchg al, [di]  ; exchange the elements in al and [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
```