**Without string instructions program**

.model small

.data

src\_arr dw 1234h,4321h,7894h,9658h,45ABh

dst\_arr dw 5 dup(0)

.code

Mov ax,@data

Mov ds,ax

Mov cx,5

Mov si,offset src\_arr

Mov di,offset dst\_arr

Up:

Mov ax,[si]

Mov [di],ax

Add si,2

Add di,2

Loop next

Ends

end

**With string instructions program**

.model small

.data

src\_arr dw 1234h,4321h,7894h,9658h,45ABh

dst\_arr dw 5 dup(0)

.code

Mov ax,@data

Mov ds,ax

Mov cx,5

Mov si,offset src\_arr

Mov di,offset dst\_arr

Up:

Movsw

Loop up

Ends

end

**With string instructions program**

.model small

.stack 200

DATA SEGMENT

STRING1 DB 01H,02H,03H,04H,05H

STRING2 DB 5 DUP(0)

DATA ENDS

CODE SEGMENT

ASSUME CS:CODE,DS:DATA

START:

MOV AX,DATA

MOV DS,AX

MOV ES,AX

LEA SI,STRING1

LEA DI,STRING2

MOV CX,05H

CLD

REP MOVSB

INT 3

CODE ENDS

END START