1.versiyon

org 0000h

ljmp maIn

org 0030h

maIn:

MOV R0,#30H ; KAYNAK BASLANGICI

MOV R1,#50H ; HEDEF BASLANGICI

MOV 70H,#00H ; TOPLAM DEGISKENI

MOV R5,#00H ; AKTARILAN SAYACI

TEKRAR:

MOV A,@R0

CJNE A,#04H, DORDEESITDEGIL

SJMP DONGUKONTROL

DORDEESITDEGIL:

JC DONGUKONTROL

;DORTTEN BUYUK ALANI

CJNE A,#0AH, ONAESITDEGIL

SJMP DONGUKONTROL

ONAESITDEGIL:

JNC DONGUKONTROL

;DORTTENBUYUK ONDANKUCUK ALANI

MOV @R1,A

INC R1

INC R5

ADD A,70H

MOV 70H,A

DONGUKONTROL:

INC R0

CJNE R0,#50H,TEKRAR

MOV 71H,R5

END

2. versiyon

MOV R0,#30h

MOV A,#00h

bas:

MOV @R0,A

INC A

INC R0

CJNE R0,#50h,bas

mov r0, #30h ;kaynak adres

mov r1, #50h ; hedef adres

mov r2, #00h ; sayaç

tekrar:

mov a, @r0

clr c

subb a, #04h

jc atla

jz atla

mov a,@r0

subb a, #0Ah

jnc atla

mov a,@r0

mov @r1,a

INC r1

INC r2

atla:

INC r0

cjne r0,#50h, tekrar

mov 70h, r2

end

Edsim display örneği

org 0000h

ljmp maIn

org 0030h

maIn:

setb p3.4

setb p3.3

mov p1,#0c0h

acall bekle

setb p3.4

clr p3.3

mov p1,#0f9h

acall bekle

clr p3.4

setb p3.3

mov p1,#0a4h

acall bekle

clr p3.4

clr p3.3

mov p1,#0b0h

acall bekle

sjmp maIn

bekle:

mov r3,#0ffh

djnz r3,$

ret

END