

1)

```
.MODEL SMALL
.STACK 64
.DATA
SICAKLIK DB 13,-10,+19,14,-18,-9,+12,-19,+16
eksi DB '-'

.CODE
MAIN PROC FAR ;this is the program entry point
MOV AX,@DATA ;load the data segment address
MOV DS,AX ;assign value to DS

MOV SI, offset SICAKLIK ; point to SICAKLIK
MOV AL,[SI]
INC SI
MOV CX,8

DON: CMP AL,[SI]
JLE DEVAM
MOV AL,[SI]

DEVAM:
INC SI
DEC CX
JNZ DON

MOV DL,AL
SHL DL,1
JNC POZ
NEG AL
MOV DL,0FFH
JMP NGTF
POZ:
MOV DL,0
NGTF:

MOV CL,AL ;decimal öncek sayı AL CL at
MOV AX,0
DONGU: INC AL ;AL ilk basamak
CMP AL,0Ah ;10 olmuşmu?
JNE DVM ;hayır devam
MOV AL,0 ;evet sıfırla
INC AH ;AH ikinci basamak
CMP AH,0Ah ;10 olmuşmu?
JNE DVM ;hayır devam
MOV AH,0
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DVM:LOOP DONGU

    SHL DL,1
    JNC POZ2

    PUSH AX

    MOV     AH,09
    MOV     DX,OFFSET ekşi
    INT     21H

    POP AX
POZ2:

    OR      AL,30H
    OR      AH,30H
    MOV     CX,AX
    MOV     DL,CH

    MOV     AH,02H
    INT     21H

    MOV     DL,CL

    MOV     AH,02H
    INT     21H

    MOV     AH,4CH      ;set up to
    INT     21H          ;return to DOS
MAIN      ENDP
          END MAIN      ;this is the program exit point

```

2)

```

.MODEL SMALL
.STACK 64
.DATA
NOTLAR      DB    69,87,96,45,75

.CODE
MAIN      PROC FAR      ;this is the program entry point
    MOV     AX,@DATA    ;load the data segment address
    MOV     DS,AX        ;assign value to DS

    MOV     SI, offset NOTLAR ; point to NOTLAR
    MOV     AL,[SI]
    INC     SI
    MOV     CX,4

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DONGU: MOV BL,[SI]
        CMP AL,BL
        JNC KONTROL
        MOV AL,BL

KONTROL: INC SI
        DEC CX
        JNZ DONGU

        MOV CL,AL      ;decimal önceki sayı AL CL at
        MOV AX,0
DON: INC AL             ;AL ilk basamak
        CMP AL,0Ah      ;10 olmuşmu?
        JNE DVM         ;hayır devam
        MOV AL,0        ;evet sıfırla
        INC AH          ;AH ikinci basamak
        CMP AH,0Ah      ;10 olmuşmu?
        JNE DVM         ;hayır devam
        MOV AH,0

DVM: LOOP DON

        OR AL,30H       ;ASCII'ye çevir
        OR AH,30H
        MOV CX,AX

        MOV DL,CH       ;ikinci basamak yazdır

        MOV AH,02H
        INT 21H

        MOV DL,CL ;birinci basamak yazdır

        MOV AH,02H
        INT 21H

        MOV AH,4CH      ;set up to
        INT 21H         ;return to DOS
MAIN: ENDP
      END MAIN         ;this is the program exit point

```