

6-)

-a 100

15B7:0100 adc ax,bx

15B7:0102

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO CY
15B7:0100 11D8 ADC AX,BX

-r f

NV UP EI NG NZ NA PO NC -cy

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI NG NZ NA PO CY
15B7:0100 11D8 ADC AX,BX

-t

AX=0001 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 0000 ADD [BX+SI],AL DS:0000=CD

-

7-)

-r f

NV UP EI PL NZ NA PO NC -pl

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 0000 ADD [BX+SI],AL DS:0000=CD

-r bx

BX 0000

:0045

-a 100

15B7:0100 neg bx

15B7:0102

-r ip

IP 0100

:0100

-r

AX=0000 BX=0045 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 F7DB NEG BX

-t

AX=0000 BX=FFBB CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI NG NZ AC PE CY
15B7:0102 0000 ADD [BX+SI],AL DS:FFBB=00

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8.

```
-r ds
DS 15B7
:0500
-r
AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI NG NZ AC PE NC
15B7:0100 F7DB      NEG    BX
-a 100
15B7:0100 mov bx,[502]
15B7:0104 sub bx,[503]
15B7:0108 mov ax,[501]
15B7:010B mul bx
15B7:010D add ax,[500]
15B7:0111
-t

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PE NC
15B7:0100 8B1E0205  MOV    BX,[0502]          DS:0502=0A7E
-t

AX=0000 BX=0A7E CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL NZ NA PE NC
15B7:0104 2B1E0305  SUB    BX,[0503]          DS:0503=D50A
-t

AX=0000 BX=3574 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0108 NV UP EI PL NZ NA PE CY
15B7:0108 A10105    MOV    AX,[0501]          DS:0501=7E01
-t

AX=7E01 BX=3574 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010B NV UP EI PL NZ NA PE CY
15B7:010B F7E3      MUL    BX
-t

AX=4D74 BX=3574 CX=0000 DX=1A4F SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010D OV UP EI PL NZ NA PE CY
15B7:010D 03060005  ADD    AX,[0500]          DS:0500=0180
-t

AX=4EF4 BX=3574 CX=0000 DX=1A4F SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0111 NV UP EI PL NZ NA PO NC
15B7:0111 0000      ADD    [BX+SI],AL          DS:3574=00
```

9-)

-r ax

AX 0020

:0020

-r cx

CX 0080

:0080

-r ip

IP 0100

:0100

-a 100

15B7:0100 mul cx

15B7:0102

-r ip

IP 0100

:0100

-t

AX=1000 BX=0000 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PE NC
15B7:0102 0205 ADD AL,[DI] DS:0000=53

-

mul komutu al ile cl degerlerini carparak ax yazmacına yazdı

10-)

-a 100

15B7:0100 mov al,ff

15B7:0102 add al,1

15B7:0104 mov al,7f

15B7:0106 add al,1

15B7:0108 mov al,80

15B7:010A add al,1

15B7:010C mov al,ff

15B7:010E inc al

15B7:0110 mov al,80

15B7:0112 inc al

15B7:0114

AX=00FF BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 0401 ADD AL,01

-t

AX=0000 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL ZR AC PE CY
15B7:0104 B07F MOV AL,7F

-t

AX=007F BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0106 NV UP EI PL ZR AC PE CY
15B7:0106 0401 ADD AL,01

-t

AX=0080 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0108 OV UP EI NG NZ AC PO NC
15B7:0108 B080 MOV AL,80

-t

AX=0080 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010A OV UP EI NG NZ AC PO NC
15B7:010A 0401 ADD AL,01

-t

AX=0081 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010C NV UP EI NG NZ NA PE NC
15B7:010C B0FF MOV AL,FF

-t

AX=00FF BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010E NV UP EI NG NZ NA PE NC
15B7:010E FEC0 INC AL

-t

AX=0000 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0110 NV UP EI PL ZR AC PE NC
15B7:0110 B080 MOV AL,80

-t

AX=0080 BX=0081 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0112 NV UP EI PL ZR AC PE NC
15B7:0112 FEC0 INC AL

-

11-)

-a 100

15B7:0100 and ax,bx

15B7:0102 not ax

15B7:0104 and al,bh

15B7:0106 not bx

15B7:0108 or bx,ax

15B7:010A not ah

15B7:010C or bl,ah

15B7:010E xor ax,bx

15B7:0110 not bx

15B7:0112 xor bh,ah

15B7:0114

-r ip

IP 0112

:0100

-t

AX=8243 BX=C3C3 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI NG NZ NA PO NC
15B7:0102 F7D0 NOT AX

-t

AX=7DBC BX=C3C3 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI NG NZ NA PO NC
15B7:0104 20F8 AND AL,BH

-t

AX=7D80 BX=C3C3 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0106 NV UP EI NG NZ NA PO NC
15B7:0106 F7D3 NOT BX

-t

AX=7D80 BX=3C3C CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0108 NV UP EI NG NZ NA PO NC
15B7:0108 09C3 OR BX,AX
-AX=7D80 BX=7DBC CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010A NV UP EI PL NZ NA PO NC
15B7:010A F6D4 NOT AH

-t

AX=8280 BX=7DBC CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010C NV UP EI PL NZ NA PO NC
15B7:010C 08E3 OR BL,AH

-t

AX=8280 BX=7DBE CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=010E NV UP EI NG NZ NA PE NC
15B7:010E 31D8 XOR AX,BX

-t

AX=FF3E BX=7DBE CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0110 NV UP EI NG NZ NA PO NC
15B7:0110 F7D3 NOT BX

-t

AX=FF3E BX=8241 CX=0080 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0112 NV UP EI NG NZ NA PO NC
15B7:0112 30E7 XOR BH,AH

-

13-)

a 1)

```
-r ax
AX 0000
:0040
-r bx
BX 0000
:0041
-a100
15B7:0100 sar ax,1
15B7:0102 sar bx,1
15B7:0104
-r
AX=0040 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 D1F8 SAR AX,1
-t
AX=0020 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 D1FB SAR BX,1
-t
AX=0020 BX=0020 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL NZ NA PO CY
15B7:0104 0000 ADD [BX+SI],AL DS:0020=FF
```

a 2)

```
-r ax
AX 0000
:0040
-r bx
BX 0000
:0041
-a 100
15B7:0100 shl ax,1
15B7:0102 shl bx,1
15B7:0104
-r
AX=0040 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 D1E0 SHL AX,1
-t
AX=0080 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 D1E3 SHL BX,1
-t
```

AX=0080 BX=0082 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL NZ NA PE NC
15B7:0104 0000 ADD [BX+SI],AL DS:0082=20

a 3)

-t
AX=0020 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 D1FB SAR BX,1

-t
AX=0020 BX=0020 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL NZ NA PO CY
15B7:0104 0000 ADD [BX+SI],AL DS:0020=FF

-t
AX=0080 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 D1E3 SHL BX,1

-t
AX=0080 BX=0082 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0104 NV UP EI PL NZ NA PE NC
15B7:0104 0000 ADD [BX+SI],AL DS:0082=20

a 4)

-r ax
AX 0000
:0040
-r bx
BX 0000
:0041
-a 100
15B7:0100 inc ax
15B7:0101
-r
AX=0040 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 40 INC AX

-t
AX=0041 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0101 NV UP EI PL NZ NA PE NC
15B7:0101 0000 ADD [BX+SI],AL DS:0041=00

a 5)

-r ax
AX 0000
:0040
-r bx
BX 0000

```

:0041
-a 100
15B7:0100 xchg ax,bx
15B7:0102
-r
AX=0040 BX=0041 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0100 NV UP EI PL NZ NA PO NC
15B7:0100 87C3 XCHG AX,BX
-t
AX=0041 BX=0040 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=15B7 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI PL NZ NA PO NC
15B7:0102 0000 ADD [BX+SI],AL DS:0040=05

```

14-)

```

-r ax
AX DDDD
:2244
-r bx
BX 0000
:2244
-r cx
CX 0008
:0008
-a 100
15B7:0100 ror ax,cl
15B7:0102
-r ip
IP 0104
:0100
-t

AX=4422 BX=2244 CX=0008 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0102 OV UP EI NG NZ NA PO NC
15B7:0102 F7D0 NOT AX
-

```

b)

```

-a 102
15B7:0102 rol ax,cl
15B7:0104
-r ip
IP 0102
:0100
-t

AX=2244 BX=2244 CX=0008 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=0500 ES=15B7 SS=15B7 CS=15B7 IP=0102 NV UP EI NG NZ NA PO NC
15B7:0102 D3C0 ROL AX,CL

```

