

5)

Lea ax,[bx] komutu bx'in değerini ax'e atar.

Mov ax,[bx] komutu ise bx değerinin data segmentteki offset değerinin gösterdiği derğeri ax'e atar. İki komutta hafızada 2 byte lık yer kaplıyor.

-a 100

1506:0100 lea ax, bx

^ Hatası

7)

-r bx

BX 0000

:45

-r f

NV UP EI PL NZ NA PO NC -pl

-r f

NV UP EI PL NZ NA PO NC -

-a

1506:0100 neg bx

1506:0102

-r

AX=0000 BX=0045 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1506 ES=1506 SS=1506 CS=1506 IP=0100 NV UP EI PL NZ NA PO NC

1506:0100 F7DB NEG BX

-t

AX=0000 BX=FFBB CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1506 ES=1506 SS=1506 CS=1506 IP=0102 NV UP EI NG NZ AC PE CY

1506:0102 0000 ADD [BX+SI],AL DS:FFBB=00

a) BX=FFBB

b) PL → NG

10)

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=150F ES=150F SS=150F CS=150F IP=0100 NV UP EI PL NZ NA PO NC

150F:0100 0000 ADD [BX+SI],AL DS:0000=CD

-a

150F:0100 mov al,ff

150F:0102 add al,1

150F:0104 mov al,7f

150F:0106 add al,1

150F:0108 mov al,80

150F:010A add al,1

150F:010C mov al,ff

150F:010E inc al

150F:0110 mov al,80

150F:0112 inc al

150F:0114

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=150F ES=150F SS=150F CS=150F IP=0100 NV UP EI PL NZ NA PO NC

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150F:0100 B0FF      MOV  AL,FF
-t
AX=00FF BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0102 NV UP EI PL NZ NA PO NC
150F:0102 0401      ADD  AL,01
-t
AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0104 NV UP EI PL ZR AC PE CY
150F:0104 B07F      MOV  AL,7F
-t
AX=007F BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0106 NV UP EI PL ZR AC PE CY
150F:0106 0401      ADD  AL,01
-t
AX=0080 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0108 OV UP EI NG NZ AC PO NC
150F:0108 B080      MOV  AL,80
-t
AX=0080 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=010A OV UP EI NG NZ AC PO NC
150F:010A 0401      ADD  AL,01
-t
AX=0081 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=010C NV UP EI NG NZ NA PE NC
150F:010C B0FF      MOV  AL,FF
-t
AX=00FF BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=010E NV UP EI NG NZ NA PE NC
150F:010E FEC0      INC  AL
-t
AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0110 NV UP EI PL ZR AC PE NC
150F:0110 B080      MOV  AL,80
-t
AX=0080 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=150F ES=150F SS=150F CS=150F IP=0112 NV UP EI PL ZR AC PE NC
150F:0112 FEC0      INC  AL

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11)

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-r ax
AX 0A01
:aa77
-r bx
BX 0000
:c3c3
-a 100
1506:0100 and ax,bx
1506:0102 not ax
1506:0104 and al,bh
1506:0106 not bx

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1506:0108 or bx,ax
1506:010A not ah
1506:010C or bl,ah
1506:010E xor ax,bx
1506:0110 not bx
1506:0112 xor bh,ah

AX=8243 BX=C3C3 CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=0102 NV UP EI NG NZ NA PO NC
1506:0102 F7D0 NOT AX
-t

AX=7DBC BX=C3C3 CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000
DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=0104 NV UP EI NG NZ NA PO NC
1506:0104 20F8 AND AL,BH
-t

AX=7D80 BX=C3C3 CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=0106 NV UP EI NG NZ NA PO NC
1506:0106 F7D3 NOT BX
-t

AX=7D80 BX=3C3C CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=0108 NV UP EI NG NZ NA PO NC
1506:0108 09C3 OR BX,AX
-t

AX=827D BX=82FF CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=010A NV UP EI NG NZ NA PE NC
1506:010A F6D4 NOT AH
-t

AX=7D7D BX=82FF CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=010C NV UP EI NG NZ NA PE NC
1506:010C 08E3 OR BL,AH
-t

AX=7D7D BX=82FF CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=010E NV UP EI NG NZ NA PE NC
1506:010E 31D8 XOR AX,BX
-t

AX=FF82 BX=82FF CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000
DS=1506 ES=1506 SS=1506 CS=1506 IP=0110 NV UP EI NG NZ NA PE NC
1506:0110 F7D3 NOT BX
-t

AX=FF82 BX=7D00 CX=0006 DX=0038 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1506 ES=1506 SS=1506 CS=1506 IP=0112 NV UP EI NG NZ NA PE NC
1506:0112 30E7 XOR BH,AH

12)

14)

a.

-r

AX=1234 BX=0004 CX=0004 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=14F2 ES=14F2 SS=14F2 CS=14F2 IP=0100 NV UP EI PL NZ NA PO NC
14F2:0100 D3C8 ROR AX,CL

-t

AX=4123 BX=0004 CX=0004 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=14F2 ES=14F2 SS=14F2 CS=14F2 IP=0102 NV UP EI PL NZ NA PO NC
14F2:0102 D3C8 ROR AX,CL

-t

AX=3412 BX=0004 CX=0004 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000
DS=14F2 ES=14F2 SS=14F2 CS=14F2 IP=0104 NV UP EI PL NZ NA PO NC
14F2:0104 C8 DB C8

b.

15)

14F2:0000 B066 MOV AL,66
14F2:0002 B348 MOV BL,48
14F2:0004 00D8 ADD AL,BL
14F2:0006 98 CBW