```
C:\>DEBUG
-A 100
073F:0100 MOV AX,0301
073F:0103 ADD AX,0100
073F:0106 MOV BL,01
073F:0108 ADD BL,F0
073F:010B
-U 100 108
073F:0100 B80103        MOV     AX,0301
073F:0103 050001        ADD     AX,0100
073F:0106 B301          MOV     BL,01
073F:0108 80C3F0        ADD     BL,F0
-R IP
IP 0100
:100
-R
AX=0000  BX=0000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0100   NV UP EI PL NZ NA PO NC
073F:0100 B80103        MOV     AX,0301
-R
AX=0000  BX=0000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0100   NV UP EI PL NZ NA PO NC
073F:0100 B80103        MOV     AX,0301


-T

AX=0301  BX=0000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0103   NV UP EI PL NZ NA PO NC
073F:0103 050001        ADD     AX,0100
-T

AX=0401  BX=0000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0106   NV UP EI PL NZ NA PO NC
073F:0106 B301          MOV     BL,01
-T

AX=0401  BX=0001  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0108   NV UP EI PL NZ NA PO NC
073F:0108 80C3F0        ADD     BL,F0
-T

AX=0401  BX=00F1  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=010B   NV UP EI NG NZ NA PO NC
073F:010B 0000          ADD     [BX+SI],AL                    DS:00F1=00
```

```
-A 100
073F:0100 MOV BH,B1
073F:0102 ADD AX,BX
073F:0104 INC AL
073F:0106 DEC BX
073F:0107
-U 100 106
073F:0100 B7B1          MOV     BH,B1
073F:0102 01D8          ADD     AX,BX
073F:0104 FEC0          INC     AL
073F:0106 4B            DEC     BX
-R IP
IP 010B
:100
-R
AX=0401  BX=00F1  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0100   NV UP EI NG NZ NA PO NC
073F:0100 B7B1          MOV     BH,B1
-T

AX=0401  BX=B1F1  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0102   NV UP EI NG NZ NA PO NC
073F:0102 01D8          ADD     AX,BX


-T

AX=B5F2  BX=B1F1  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0104   NV UP EI NG NZ NA PO NC
073F:0104 FEC0          INC     AL
-T

AX=B5F3  BX=B1F1  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0106   NV UP EI NG NZ NA PE NC
073F:0106 4B            DEC     BX
-T

AX=B5F3  BX=B1F0  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0107   NV UP EI NG NZ NA PE NC
073F:0107 0180C3F0      ADD     [BX+SI+F0C3],AX             DS:A2B3=0000

-A 100
073F:0100 MOV AX,[1064]
073F:0103 ADD AX,[1066]
073F:0107 ES:
073F:0108 MOV [1064],AX
073F:010B
-U 100 109
073F:0100 A16410        MOV     AX,[1064]
073F:0103 03066610      ADD     AX,[1066]
073F:0107 26            ES:
073F:0108 A36410        MOV     [1064],AX
-E 1064 34 12
-E 1066 22 11
-D 1060 106F
073F:1060  00 00 00 00 34 12 22 11-00 00 00 00 00 00 00 00   ....4.".........
-R IP
IP 0107
:100
-R
AX=B5F3  BX=B1F0  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0100   NV UP EI NG NZ NA PE NC
073F:0100 A16410        MOV     AX,[1064]                  DS:1064=1234
```

```
-T

AX=1234  BX=B1F0  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0103    NV UP EI NG NZ NA PE NC
073F:0103 03066610        ADD     AX,[1066]                         DS:1066=1122
-T

AX=2356  BX=B1F0  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=0107    NV UP EI PL NZ NA PE NC
073F:0107 26              ES:
073F:0108 A36410          MOV     [1064],AX                         ES:1064=1234
-T

AX=2356  BX=B1F0  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=073F  SS=073F  CS=073F  IP=010B    NV UP EI PL NZ NA PE NC
073F:010B 0000            ADD     [BX+SI],AL                        DS:B1F0=00
-D ES:1060 106F
073F:1060  00 00 00 00 56 23 22 11-00 00 00 00 00 00 00 00   ....V#".........

-A 100
073F:0100 MOV AL,[BX]
073F:0102 ES:
073F:0103 MMOV [BX],AL
          ^ Error
073F:0103 MOV [BX],AL
073F:0105
-U 100 104
073F:0100 8A07            MOV     AL,[BX]
073F:0102 26              ES:
073F:0103 8807            MOV     [BX],AL
-R BX
BX B1F0
:1000
-E 1000 35
-D 1000 100F
073F:1000  35 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   5...............
-R ES
ES 073F
:2000
-D ES:1000 100F
2000:1000  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................

-R IP
IP 010B
:100
-R
AX=2356  BX=1000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=2000  SS=073F  CS=073F  IP=0100    NV UP EI PL NZ NA PE NC
073F:0100 8A07            MOV     AL,[BX]                           DS:1000=35
-T

AX=2335  BX=1000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=2000  SS=073F  CS=073F  IP=0102    NV UP EI PL NZ NA PE NC
073F:0102 26              ES:
073F:0103 8807            MOV     [BX],AL                           ES:1000=00
-T

AX=2335  BX=1000  CX=0000  DX=0000  SP=00FD  BP=0000  SI=0000  DI=0000
DS=073F  ES=2000  SS=073F  CS=073F  IP=0105    NV UP EI PL NZ NA PE NC
073F:0105 66              DB      66
-D ES:1000 100F
2000:1000  35 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   5...............
```

```
-A 100
073F:0100 MOV AX,[BX+08]
073F:0103 MOV AX,[BP+08]
073F:0106 MOV [BP+0A],AX
073F:0109
-U 100 106
073F:0100 8B4708          MOV     AX,[BX+08]
073F:0103 8B4608          MOV     AX,[BP+08]
073F:0106 89460A          MOV     [BP+0A],AX
-R BX
BX 1000
:200
-E 208 78 56
-D 200 20F
073F:0200  00 00 00 00 00 00 00 00-78 56 00 00 00 00 00 00   ........xV......
-R SS
SS 073F
:2800
-R BP
BP 0000
:400
-E SS:408 44 33
-D SS:400 40F
2800:0400  00 00 00 00 00 00 00 00-44 33 00 00 00 00 00 00   ........D3......

-R IP
IP 0105
:100
-R
AX=2335  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0100    NV UP EI PL NZ NA PE NC
073F:0100 8B4708          MOV     AX,[BX+08]                       DS:0208=5678
-T

AX=5678  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0103    NV UP EI PL NZ NA PE NC
073F:0103 8B4608          MOV     AX,[BP+08]                       SS:0408=3344
-T

AX=3344  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0106    NV UP EI PL NZ NA PE NC
073F:0106 89460A          MOV     [BP+0A],AX                       SS:040A=0000
-T

AX=3344  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0109    NV UP EI PL NZ NA PE NC
073F:0109 64              DB      64
-D SS:400 40F
2800:0400  00 00 00 00 00 00 00 00-44 33 44 33 00 00 00 00   ........D3D3....
```

```
-A 100
073F:0100 MOV AX,[200]
073F:0103 MOV [202],AL
073F:0106 MOV [200],0
                 ^ Error
073F:0106 MOV [200],BYTE PTR 0
073F:010B MOV [BX],1
                     ^ Error
073F:010B MOV [BX],WORD PTR 1
073F:010F
-U 100 10B
073F:0100 A10002          MOV     AX,[0200]
073F:0103 A20202          MOV     [0202],AL
073F:0106 C606000200      MOV     BYTE PTR [0200],00
073F:010B C7070100        MOV     WORD PTR [BX],0001

-A 100
073F:0100 XOR AX,BX
073F:0102 MOV SS,AX
073F:0104 MOV SP,7C00
073F:0107 STI
073F:0108 PUSH AX
073F:0109 POP ES
073F:010A PUSH AX
073F:010B POP DS
073F:010C
-R IP
IP 0109
:100
-R
AX=3344  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0100   NV UP EI PL NZ NA PE NC
073F:0100 31D8          XOR     AX,BX
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=00FD  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=2800  CS=073F  IP=0102   NV UP EI PL NZ NA PE NC
073F:0102 8ED0          MOV     SS,AX


-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=3144  CS=073F  IP=0107   NV UP EI PL NZ NA PE NC
073F:0107 FB            STI
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=3144  CS=073F  IP=0108   NV UP EI PL NZ NA PE NC
073F:0108 50            PUSH    AX
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7BFE  BP=0400  SI=0000  DI=0000
DS=073F  ES=2000  SS=3144  CS=073F  IP=0109   NV UP EI PL NZ NA PE NC
073F:0109 07            POP     ES
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0000
DS=073F  ES=3144  SS=3144  CS=073F  IP=010A   NV UP EI PL NZ NA PE NC
073F:010A 50            PUSH    AX
```

```
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7BFE  BP=0400  SI=0000  DI=0000
DS=073F  ES=3144  SS=3144  CS=073F  IP=010B    NV UP EI PL NZ NA PE NC
073F:010B 1F          POP     DS
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0000
DS=3144  ES=3144  SS=3144  CS=073F  IP=010C    NV UP EI PL NZ NA PE NC
073F:010C 07          POP     ES

073F:0100 MOV CX,0000
073F:0103 MOV BX,0200
073F:0106 MOV AL,CH
073F:0108 OUT 70,AL
073F:010A IN AL,71
073F:010C MOV [BX],AL
073F:010E INC BX
073F:010F INC CH
073F:0111 DEC CL
073F:0113 JNZ 0106
073F:0115 INT 20
073F:0117
-U 100 115
073F:0100 B90000        MOV     CX,0000
073F:0103 BB0002        MOV     BX,0200
073F:0106 88E8          MOV     AL,CH
073F:0108 E670          OUT     70,AL
073F:010A E471          IN      AL,71
073F:010C 8807          MOV     [BX],AL
073F:010E 43            INC     BX
073F:010F FEC5          INC     CH
073F:0111 FEC9          DEC     CL
073F:0113 75F1          JNZ     0106
073F:0115 CD20          INT     20

-F 200 2FF 0
-D 200 2FF
3144:0200  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
3144:0210  00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................

-A 100
073F:0100 LEA DI,[150]
073F:0104 MOV AX,[150]
073F:0107
-U 100 104
073F:0100 8D3E5001      LEA     DI,[0150]
073F:0104 A15001        MOV     AX,[0150]
-E 150 9E 8F
-D 150 15F
3144:0150  9E 8F 00 00 00 00 00 00-00 00 00 00 00 00 00 00   ................
-R IP
IP 0100
:100
-R
AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0000
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100    NV UP EI PL NZ NA PE NC
073F:0100 8D3E5001      LEA     DI,[0150]                          DS:0150=8F9E
-T

AX=3144  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104    NV UP EI PL NZ NA PE NC
073F:0104 A15001        MOV     AX,[0150]                          DS:0150=8F9E
```

```
-T

AX=8F9E  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0107   NV UP EI PL NZ NA PE NC
073F:0107 E8E670        CALL    71F0

-U 100 10B
073F:0100 B049          MOV     AL,49
073F:0102 0426          ADD     AL,26
073F:0104 27            DAA
073F:0105 B009          MOV     AL,09
073F:0107 B307          MOV     BL,07
073F:0109 F6E3          MUL     BL
073F:010B D40A          AAM
-R IP
IP 0104
:100
-R
AX=8F6F  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ NA PE NC
073F:0100 B049          MOV     AL,49
-T

AX=8F49  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI PL NZ NA PE NC
073F:0102 0426          ADD     AL,26

AX=8F75  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0105   NV UP EI PL NZ AC PO NC
073F:0105 B009          MOV     AL,09
-T

AX=8F09  BX=0200  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0107   NV UP EI PL NZ AC PO NC
073F:0107 B307          MOV     BL,07
-T

AX=8F09  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0109   NV UP EI PL NZ AC PO NC
073F:0109 F6E3          MUL     BL
-T

AX=003F  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010B   NV UP EI PL NZ AC PO NC
073F:010B D40A          AAM
-T

AX=0603  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010D   NV UP EI PL NZ NA PE NC
073F:010D 07            POP     ES
```

```
-A 100
073F:0100 MOV AL,0F
073F:0102 NEG AL
073F:0104 NEG AL
073F:0106
-U 100 104
073F:0100 B00F          MOV     AL,0F
073F:0102 F6D8          NEG     AL
073F:0104 F6D8          NEG     AL
-R IP
IP 010D
:100
-R
AX=0603  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ NA PE NC
073F:0100 B00F          MOV     AL,0F
-T

AX=060F  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI PL NZ NA PE NC
073F:0102 F6D8          NEG     AL
-T

AX=06F1  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104   NV UP EI NG NZ AC PO CY
073F:0104 F6D8          NEG     AL
-T

AX=060F  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0106   NV UP EI PL NZ AC PE CY
073F:0106 09B307F6      OR      [BP+DI+F607],SI              SS:FB57=0000

-A 100
073F:0100 MOV AX,0203
073F:0103 MOV CL,4
073F:0105 SHL AL,CL
073F:0107 SHR AX,CL
073F:0109
-U 100 108
073F:0100 B80302        MOV     AX,0203
073F:0103 B104          MOV     CL,04
073F:0105 D2E0          SHL     AL,CL
073F:0107 D3E8          SHR     AX,CL
-R IP
IP 0106
:100
-R
AX=060F  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ AC PE CY
073F:0100 B80302        MOV     AX,0203
-T

AX=0203  BX=0207  CX=0000  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0103   NV UP EI PL NZ AC PE CY
073F:0103 B104          MOV     CL,04
```

```
-T

AX=0203  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0105    NV UP EI PL NZ AC PE CY
073F:0105 D2E0         SHL      AL,CL
-T

AX=0230  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0107    NV UP EI PL NZ AC PE NC
073F:0107 D3E8         SHR      AX,CL
-T

AX=0023  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0109    NV UP EI PL NZ AC PO NC
073F:0109 F6E3         MUL      BL

-A 100
073F:0100 MOV AL,19
073F:0102 MOV AH,0
073F:0104 MOV CL,4
073F:0106 SHL AX,CL
073F:0108 SHR AL,CL
073F:010A
-U 100 108
073F:0100 B019         MOV      AL,19
073F:0102 B400         MOV      AH,00
073F:0104 B104         MOV      CL,04
073F:0106 D3E0         SHL      AX,CL
073F:0108 D2E8         SHR      AL,CL
-R IP
IP 0109
:100
-R
AX=0023  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100    NV UP EI PL NZ AC PO NC
073F:0100 B019         MOV      AL,19


AX=0019  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102    NV UP EI PL NZ AC PO NC
073F:0102 B400         MOV      AH,00
-T

AX=0019  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104    NV UP EI PL NZ AC PO NC
073F:0104 B104         MOV      CL,04
-T

AX=0019  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0106    NV UP EI PL NZ AC PO NC
073F:0106 D3E0         SHL      AX,CL
-T

AX=0190  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0108    NV UP EI PL NZ AC PE NC
073F:0108 D2E8         SHR      AL,CL
-T

AX=0109  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010A    NV UP EI PL NZ AC PE NC
073F:010A E3D4         JCXZ     00E0
```

```
-A 100
073F:0100 MOV AL,F0
073F:0102 MOV CL,3
073F:0104 SHR AL,CL
073F:0106
-U 100 104
073F:0100 B0F0          MOV     AL,F0
073F:0102 B103          MOV     CL,03
073F:0104 D2E8          SHR     AL,CL
-R IP
IP 010A
:100
-R
AX=0109  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ AC PE NC
073F:0100 B0F0          MOV     AL,F0
-T


AX=01F0  BX=0207  CX=0004  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI PL NZ AC PE NC
073F:0102 B103          MOV     CL,03



-T

AX=01F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104   NV UP EI PL NZ AC PE NC
073F:0104 D2E8          SHR     AL,CL
-T

AX=011E  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0106   NV UP EI PL NZ AC PE NC
073F:0106 D3E0          SHL     AX,CL
-T

AX=08F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0108   NV UP EI PL NZ AC PE NC
073F:0108 D2E8          SHR     AL,CL
-T

AX=081E  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010A   NV UP EI PL NZ AC PE NC
073F:010A E3D4          JCXZ    00E0
```

```
-A 100
073F:0100 MOV AL,F0
073F:0102 XOR AH,AH
073F:0104 MOV CL,3
073F:0106 SHL AX,CL
073F:0108
-U 100 106
073F:0100 B0F0          MOV     AL,F0
073F:0102 30E4          XOR     AH,AH
073F:0104 B103          MOV     CL,03
073F:0106 D3E0          SHL     AX,CL
-R IP
IP 010A
:100
-R
AX=081E  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ AC PE NC
073F:0100 B0F0          MOV     AL,F0
-T

AX=08F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI PL NZ AC PE NC
073F:0102 30E4          XOR     AH,AH


-T

AX=00F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104   NV UP EI PL ZR NA PE NC
073F:0104 B103          MOV     CL,03
-T

AX=00F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0106   NV UP EI PL ZR NA PE NC
073F:0106 D3E0          SHL     AX,CL
-T

AX=0780  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0108   NV UP EI PL NZ AC PO NC
073F:0108 D2E8          SHR     AL,CL


-A 100
073F:0100 MOV AL,88
073F:0102 CBW
073F:0103 MOV CL,3
073F:0105 SAL AX,CL
          ^ Error
073F:0105 SHL AX,CL
073F:0107
-U 100 106
073F:0100 B088          MOV     AL,88
073F:0102 98            CBW
073F:0103 B103          MOV     CL,03
073F:0105 D3E0          SHL     AX,CL
-R
AX=0780  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0108   NV UP EI PL NZ AC PO NC
073F:0108 D2E8          SHR     AL,CL
-R IP
IP 0108
:100
```

```
-R
AX=0780  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI PL NZ AC PO NC
073F:0100 B088          MOV     AL,88
-T

AX=0788  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI PL NZ AC PO NC
073F:0102 98            CBW
-T

AX=FF88  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0103   NV UP EI PL NZ AC PO NC
073F:0103 B103          MOV     CL,03
-T

AX=FF88  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0105   NV UP EI PL NZ AC PO NC
073F:0105 D3E0          SHL     AX,CL
-T

AX=FC40  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0107   NV UP EI NG NZ AC PO CY
073F:0107 E0D2          LOOPNZ  00DB

-A 100
073F:0100 MOV AL,F0
073F:0102 XOR AH,AH
073F:0104 MOV BX,AX
073F:0106 MOV CL,2
073F:0108 SHL AX,CL
073F:010A ADD AX,BX
073F:010C
-U 100 10A
073F:0100 B0F0          MOV     AL,F0
073F:0102 30E4          XOR     AH,AH
073F:0104 89C3          MOV     BX,AX
073F:0106 B102          MOV     CL,02
073F:0108 D3E0          SHL     AX,CL
073F:010A 01D8          ADD     AX,BX
-R IP
IP 0107
:100
-R
AX=FC40  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0100   NV UP EI NG NZ AC PO CY
073F:0100 B0F0          MOV     AL,F0
```

```
AX=FCF0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0102   NV UP EI NG NZ AC PO CY
073F:0102 30E4          XOR     AH,AH
-T

AX=00F0  BX=0207  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0104   NV UP EI PL ZR NA PE NC
073F:0104 89C3          MOV     BX,AX
-T

AX=00F0  BX=00F0  CX=0003  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0106   NV UP EI PL ZR NA PE NC
073F:0106 B102          MOV     CL,02
-T

AX=00F0  BX=00F0  CX=0002  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=0108   NV UP EI PL ZR NA PE NC
073F:0108 D3E0          SHL     AX,CL
-T

AX=03C0  BX=00F0  CX=0002  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010A   NV UP EI PL NZ AC PE NC
073F:010A 01D8          ADD     AX,BX

-T

AX=04B0  BX=00F0  CX=0002  DX=0000  SP=7C00  BP=0400  SI=0000  DI=0150
DS=3144  ES=3144  SS=3144  CS=073F  IP=010C   NV UP EI PL NZ NA PO NC
073F:010C 0A07          OR      AL,[BX]                        DS:00F0=00
```