```
Drive C is mounted as local directory c:\8086\
Z:\>c:
C:\>debug
 -73
073F:0100 mov ax, 0 P Q K
                   ^ Error
073F:0100 mov ax, 1234
073F:0103 add ax, 0001
073F:0106 mov dx. ax
073F:0108 sub dx, 1233
073F:010C mov bh, dl
073F:010E mov al, 09
073F:0110
```

```
-r
AX=0000
        BX=0000
                CX=0000
                          DX=0000 SP=00FD
                                            BP=0000 SI=0000 DI=0000
                          CS=073F IP=0100 NV UP EI PL NZ NA PO NC
DS=073F
        ES=073F
                 SS=073F
073F:0100 B83412
                       MOU
                               AX.1234
t
        BX=0000 CX=0000
                          DX=0000 SP=00FD
                                            BP=0000 SI=0000 DI=0000
AX=1234
                          CS=073F IP=0103 NV UP EI PL NZ NA PO NC
DS=073F
                 SS=073F
        ES=073F
073F:0103 050100
                       ADD
                               AX.0001
-\mathbf{t}
                          DX=0000 SP=00FD BP=0000
AX=1235
        BX=0000 CX=0000
                                                    S1=0000 D1=0000
                          CS=073F IP=0106 NV UP EI PL NZ NA PE NC
DS=073F
        ES=073F SS=073F
073F:0106 89C2
                       MOU
                               DX.AX
t
AX=1235
        RX=0000
                 CX=0000
                          DX=1235 SP=00FD
                                            RP=0000
                                                    S1=0000 D1=0000
DS=073F
        ES=073F
                 SS=073F
                          CS=073F
                                   IP=0108 NV UP EI PL NZ NA PE NC
073F:0108 81EA3312
                       SUB
                               DX.1233
---
        BX=0000 CX=0000
                          DX=0002 SP=00FD
                                            BP=0000
                                                     SI = 00000
AX=1235
                                                              DI = 00000
                                   IP=010C NU UP EI PL NZ NA PO NC
DS=073F
                 SS=073F
                          CS=073F
        ES=073F
073F:010C 88D7
                       MOV
                               BH, DL
```

```
AX=1235
        BX=0000
                  CX=0000 DX=0002 SP=00FD BP=0000
                                                      SI=0000
                                                              DI=0000
DS=073F
        ES=073F
                  SS=073F
                           CS=073F
                                    IP=010C NU UP EI PL NZ NA PO NC
973F:010C 88D7
                        MOV
                                BH, DL
-\mathbf{t}
AX=1235
        BX=0200
                  CX=0000 DX=0002 SP=00FD
                                            RP=0000 S1=0000
                                                              DI = 00000
                                    IP=010E NV UP EI PL NZ NA PO NC
DS=073F
        ES=073F
                  SS=073F
                           CS=073F
073F:010E B009
                        MOV
                                AL,09
-t
        RX=0200
                  CX=0000 DX=0002
                                    SP=00FD BP=0000
                                                      SI = 00000
AX=1209
                                                               DT=0000
DS=073F
        ES=073F
                  SS=073F
                           CS=073F
                                   IP=0110 NV UP EI PL NZ NA PO NC
073F:0110 00F0
                        ADD
                                AL, DH
```

```
C:\>debug
-71
073F:0100 mov ax, 4000
073F:0103 add ax. ax
073F:0105 sub ax, ffff
073F:0108 inc ax
073F:0109 dec ax
073F:010A
```

```
RP=0000 S1=0000 D1=0000
AX=0000
        RX=0000
                 CX=0000
                          DX=0000 SP=00FD
                          CS=073F IP=0100 NV UP EI PL NZ NA PO NC
DS=073F
        ES=073F SS=073F
973F:0100 B80040
                       MOU
                               AX.4000
-\mathbf{t}
AX=4000
        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
973F:0103 01C0
                       ADD
                               AX,AX
-t
AX=8000
        BX=0000
                CX=0000
                          DX=0000 SP=00FD
                                            BP=0000 SI=0000 DI=0000
                          CS=073F IP=0105 OV UP EI NG NZ NA PE NC
DS=073F
        ES=073F SS=073F
973F:0105 2DFFFF
                       SUB
                               AX.FFFF
-1
                                  SP=00FD
                                                    SI=0000 DI=0000
AX=8001
        BX=0000
                CX=0000
                          DX=0000
                                            RP=0000
                                            NU UP EI NG NZ AC PO CY
DS=073F
        ES=073F
                 SS=073F
                          CS=073F
                                   IP=0108
                       INC
073F:0108 40
                               AX
-15
```

```
AX=8001
         BX=0000
                 CX=0000
                           DX=0000
                                    SP=00FD
                                              BP=0000 SI=0000 DI=0000
DS=073F
         ES=073F
                  SS=073F
                           CS=073F
                                     IP=0108
                                               NU UP EI NG NZ AC PO CY
073F:0108 40
                        INC
                                AX
-\mathbf{t}
         BX=0000
                 CX=0000
                                              RP = 00000
                                                      ST=0000
                                                                DI = 00000
AX=8002
                           DX=0000
                                    SP=00FD
DS=073F
                           CS=073F
                                               NU UP EI NG NZ NA PO CY
         ES=073F
                  SS=073F
                                     IP=0109
073F:0109 48
                        DEC
                                AX
-t
AX=8001
         BX=0000
                  CX=0000
                           DX=0000 SP=00FD
                                              BP=0000 SI=0000
                                                                DI = 00000
DS=073F
         ES=073F
                  SS=073F
                           CS=073F
                                               NU UP EI NG NZ NA PO CY
                                     IP=010A
073F:010A 3312
                        XOR
                                DX,[BP+SI]
                                                                    SS:0000=200D
```

```
C:\>debug
٠đ
073F:0100 \text{ mov ax, } 1221
073F:0103 mov bx, 2112
073F:0106 mov cx, ax
073F:0108 mov ax, bx
073F:010A mov bx, cx
073F:010C
```

```
AX=0000
         BX=0000
                  00000
                            DX=0000 SP=00FD
                                               RP = 00000
                                                        SI = 00000
                                                                  DI = 00000
         ES=073F
DS=073F
                  SS=073F
                            CS=073F
                                     IP=0100 NU UP EI PL NZ NA PO NC
073F:0100 B82112
                         MOU
                                 AX, 1221
1
                                               BP=0000
AX=1221
         BX=0000
                  CX=0000
                            DX=0000 SP=00FD
                                                        ST=0000
                                                                  DI = 00000
DS=073F
         ES=073F
                  SS=073F
                            CS=073F
                                     IP=0103
                                                NU UP EI PL NZ NA PO NC
073F:0103 BB1221
                         MOU
                                 BX.2112
-t
AX=1221
         BX=2112
                  CX=0000
                            DX=0000 SP=00FD
                                               BP=0000
                                                        SI=0000
                                                                  D I = 0.0000
DS=073F
                                    IP=0106 NV UP EI PL NZ NA PO NC
         ES=073F
                  SS=073F
                            CS=073F
073F:0106 89C1
                         MOU
                                 CX.AX
 M
  Error
AX=1221
         BX=2112
                  CX=1221
                            DX=0000 SP=00FD
                                               BP = 00000
                                                        SI = 00000
                                                                  DI = 00000
DS=073F
                  SS=073F
                            CS=073F
                                     IP=0108
                                                NU UP EI PL NZ NA PO NC
         ES=073F
073F:0108 89D8
                         MOU
                                 AX,BX
```

```
AX=1221
         BX=2112
                  CX=0000
                           DX=0000 SP=00FD
                                              BP=00000
                                                       SI = 00000
                                                                DI = 00000
DS=073F
         ES=073F
                  SS=073F
                           CS=073F IP=0106 NV UP EI PL NZ NA PO NC
                                CX,AX
                        MOU
1073F : 0106 | 89C1
  Mt
   Error
AX=1221
         BX=2112
                  CX=1221
                           DX=0000 SP=00FD
                                              RP=0000
                                                       SI = 00000
                                                                DT=0000
DS=073F
         ES=073F
                  SS=073F
                           CS=073F
                                     IP=0108 NU UP EI PL NZ NA PO NC
073F:0108 89D8
                        MOU
                                AX.BX
AX=2112
         BX=2112
                  CX=1221
                           DX=0000 SP=00FD
                                              BP=0000
                                                       SI = 00000
                                                                DI = 0.0000
                                     IP=010A NU UP EI PL NZ NA PO NC
DS=073F
         ES=073F
                  SS=073F
                           CS=073F
                                BX,CX
073F:010A 89CB
                        MNU
                           DX=0000 SP=00FD
AX=2112
         BX=1221
                  CX=1221
                                              BP=0000
                                                       SI=0000
                                                                DI = 00000
                           CS=073F
                                     IP=010C NU UP EI PL NZ NA PO NC
DS=073F
         ES=073F
                  SS=073F
073F:010C 88D7
                        MOU
                                 BH, DL
```