```
Multiplication of 2 32bit signed numbers
SW
        2000h
         [2000h]
                                       A = -500000
         [2002h]
                      =
         [2004h]
                          04240h
                                       B = 1000000
                      =
                          0000Fh
         [2006h]
                      =
         [2008h]
                      =
                          (ans)
                                         C = (A * B)
         [200Ah]
                      =
                          (ans)
         [200Ch]
                          (ans)
                                       ;
         [200Eh]
                          (ans)
Α
1000h
    mov
             ax, 0000h
             ax, [2000h]
    mov
             bx, [2004h]
    mov
    imul
    mov
             [2008h], ax
             [200Ah], dx
    mov
    mov
             cl, 08h
             dx, cl
    sar
             dl, dh
    mov
    mov
             [200Ch], dx
    mov
             [200Eh], dx
             ax, [2000h]
    mov
    mov
             bx, [2006h]
    imul
             bx
    add
             [200Ah], ax
    adc
             [200Ch], dx
    sar
             dx, cl
    mov
             dl, dh
             [200Eh], dx
    adc
             ax, [2002h]
    mov
             bx, [2004h]
    mov
    imul
             bx
    add
             [200Ah], ax
             [200Ch], dx
    adc
             dx, cl
    sar
             dl, dh
    mov
    adc
             [200Eh], dx
    mov
             ax, [2002h]
    mov
             bx, [2006h]
    imul
             bx
    add
             [200Ch], ax
    adc
             [200Eh], dx
    hlt
GO
        1000h
                          ;(try '.' here)
INT
                                       ; ans = 07800h
SW
        2008h
```

SW	200Ah	;	ans = 095ADh
SW	200Ch	;	ans = $0FF8Bh$
SW	200Eh	;	ans = $0FFFFh$
•		;	=> -500000000000