```
; Q 2>  Add two 32 bit signed numbers
     SU      4300h
             [4300h]    =    4Eh          ; A = 12345678
             [4301h]    =    61h          ;
             [4302h]    =    0BCh         ;
             [4303h]    =    00h          ;
             [4304h]    =    0D2h         ; B = -5678
             [4305h]    =    0E9h         ;
             [4306h]    =    0FFh         ;
             [4307h]    =    0FFh         ;
                        .


     A
     ORG 4200h
         lxi      h, 4300h
         mov      b, M
         inx      h
         mov      c, M
         inx      h
         mov      d, M
         inx      h
         mov      e, M
         inx      h
         mov      a, b
         add      M
         mov      b, a
         mov      a, c
         aci      0
         mov      c, a
         mov      a, d
         aci      0
         mov      d, a
         mov      a, e
         aci      0
         mov      e, a
         inx      h
         mov      a, c
         add      M
         mov      c, a
         mov      a, d
         aci      0
         mov      d, a
         mov      a, e
         aci      0
         mov      e, a
         inx      h
         mov      a, d
         add      M
         mov      d, a
         mov      a, e
         aci      0
         inx      h
         add      M
```

```
        mov     e, a
        inx     h
        mov     M, b
        inx     h
        mov     M, c
        inx     h
        mov     M, d
        inx     h
        mov     M, e
        hlt
        .


G       4200h
INT                                         ; (try '.' here)


SU      4308h
[4308h]     ->  20h             ; ans = 12340000
[4309h]     ->  4Bh             ;
[430Ah]     ->  0BCh            ;
[430Bh]     ->  00h             ;

.
```