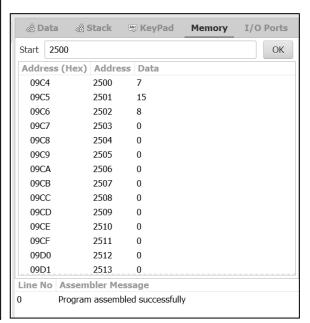
Practical-8

Aim: Write a Program Using 8085 & Verify for:

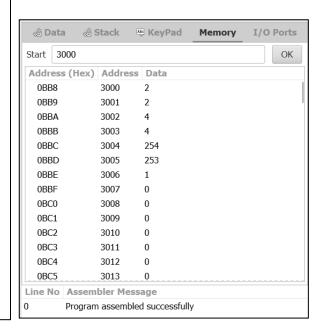
1. Subtraction of Two 8-Bit Numbers. (Display Of Borrow)

```
2
    ; < Program title>
 3
 4
    jmp start
 5
 6
    ;data
 7
 8
 9
    ;code
10
    start: nop
11
12
    mvi c, 00
13
    lhld 2500
14
    mov a, h
15
    sub
         1
16
    jnc LOOP
17
    inr c
                2502
18
    LOOP: sta
19
    mov a, c
20
    sta 2503
21
22
    hlt
```



2. Subtraction of Two 16-Bit Numbers. (Display Of Borrow)

```
;<Program title>
 3
 4
    jmp start
 5
 6
    ;data
 8
 9
    ;code
10
    start: nop
11
12
    lhld 3000
    xchg
13
14
    lhld 3002
15
    mvi b, 00
    mvi c, 00
17
    mov
         a, e
18
    sub
    jnc LOOP
20
    inr c
21
    LOOP: mov e, a
    mov a, d
23
    sub
         C
24
    sub
         h
    jnc LOOP2
26
    inr b
27
    LOOP2: mov d, a
    xchg
28
29
    shld 3004
30
    mov a, b
31
    sta
        3006
32
    hlt
```



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