**LAB MST**

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**Branch:** CSE  **Section:** PH0BCS804-A

**Semester:** 04 **Date of Performance:** 21/03/2022

**Subject Name:** Microprocessor and Interfacing Lab **Subject Code:** 20CSP-253

**1. Task to be done:**

Subtraction of two 8 bit numbers along with and without borrow.

**2. Simulator used:**

Jubin – 8085-Microprocessor Simulator.

**3. Algorithm:**

1. Load two 8-bit number from memory into registers
2. Move one number to accumulator
3. Subtract the second number with accumulator
4. If borrow is not equal to 1, go to step 7
5. Increment register for borrow by 1
6. Store accumulator content in memory
7. Move content of register into accumulator
8. Store content of accumulator in other memory location
9. Stop

**4. Code1:**

#BEGIN 0000H

MVI C, 00

LHLD 2500

MOV A, H

SUB L

JNC 200B

INR C

STA 2502

MOV A, C

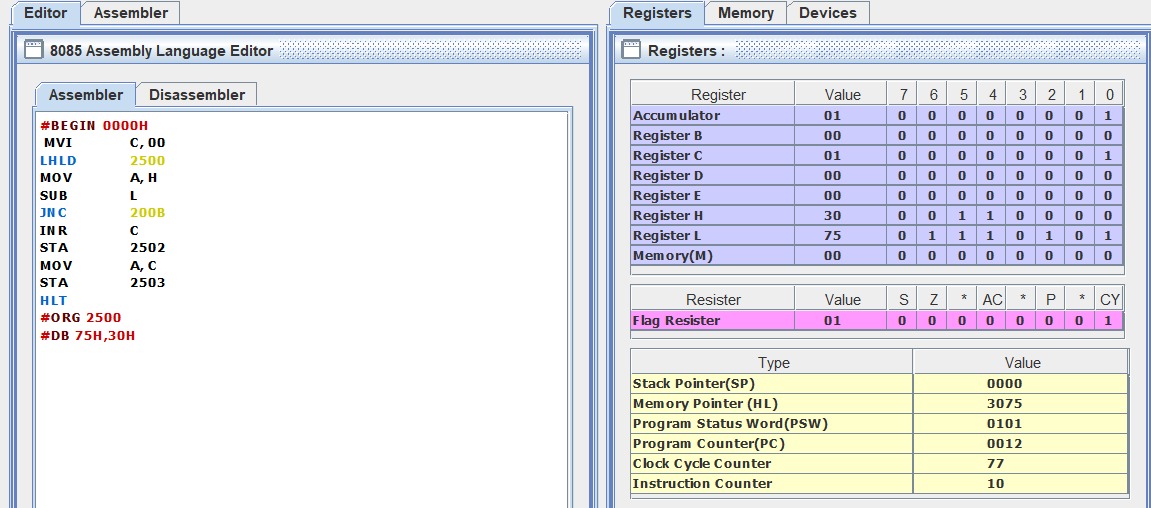
STA 2503

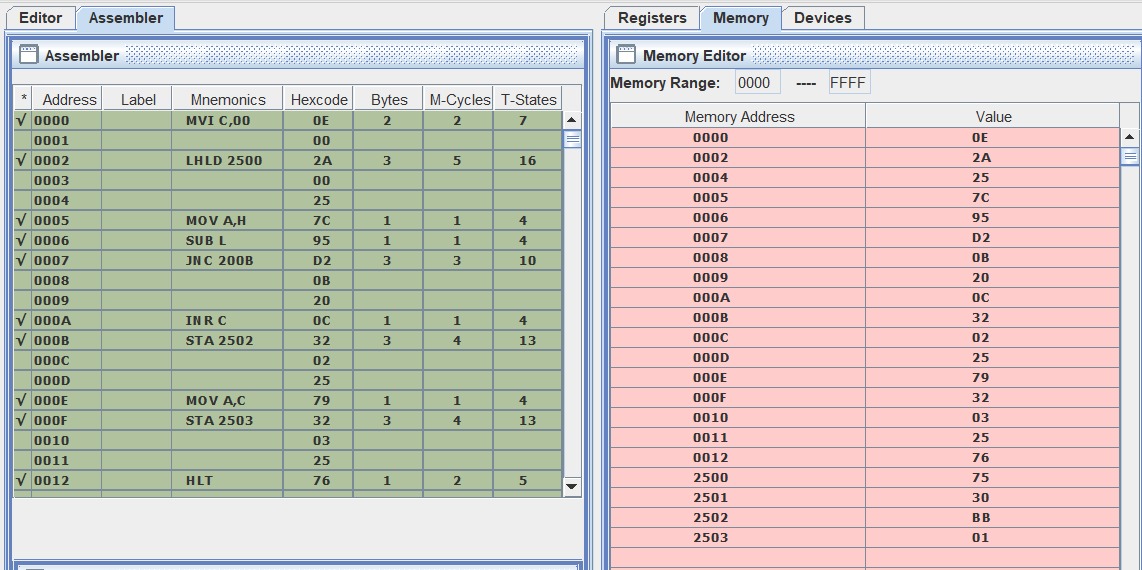
HLT

#ORG B050

#DB 75H,30H

**4. Result/Output/Writing Summary:**

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