8-BIT SUBTRACTION

EXP NO: 2

AIM: To write an assembly language program to implement 8-bit subtraction using 8085 processor.

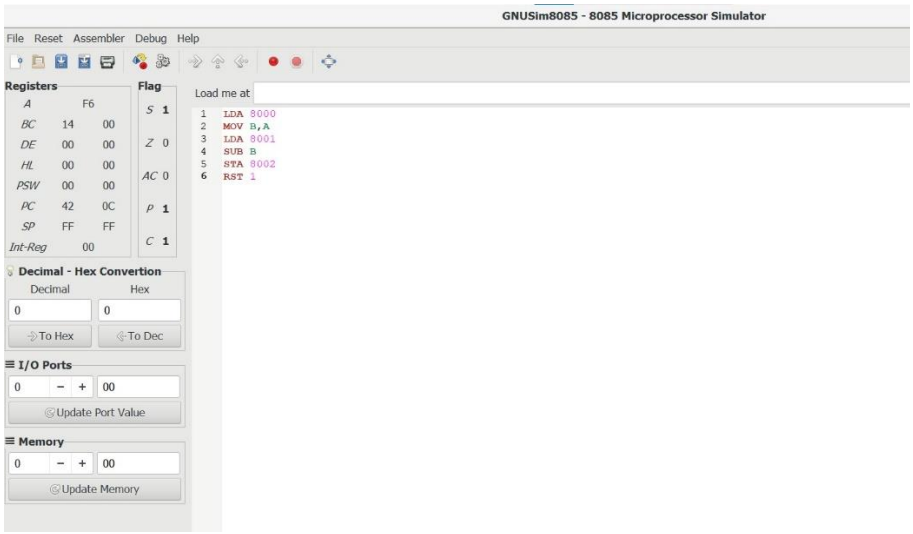
ALGORITHM:

1) Start the program by loading the first data into the accumulator.
2) Move the data to a register.
3) Get the second data and load it into the accumulator.
4) Subtract the two register contents.
5) Check for borrow.
6) Store the difference and borrow in the memory location.
7) Halt.

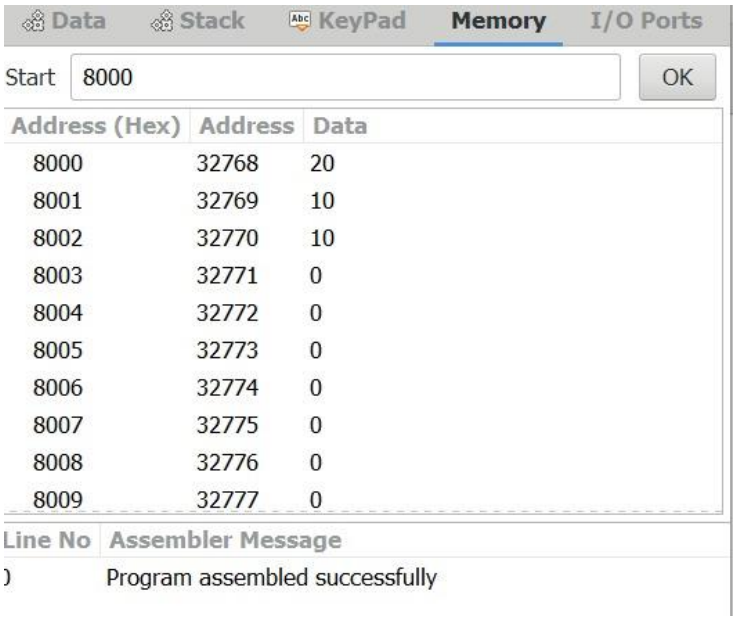
PROGRAM:

```
LDA 8000
MOV B, A
LDA 8001
SUB B
STA 8002
RST 1
```

INPUT:



OUTPUT:



RESULT: Thus the program was executed successfully using 8085 processor simulator.