

Experiment 04: Subtract two 16 bits data

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value
A	00
BC	00 00
DE	00 0C
HL	00 04
PSW	00 00
PC	42 11
SP	FF FF
Int-Reg	00

Flag

Flag	Value
S	0
Z	1
AC	0
P	1
C	0

Load me at

```
1 LHLD 2500
2 XCHG
3 LHLD 2502
4 MOV A,E
5 SUB L
6 MOV L,A
7 MOV A,D
8 ADC H
9 MOV H,A
10 SHLD 2504
11 HLT
```

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

Start: 2500 OK

Address (Hex)	Address	Data
09C4	2500	12
09C5	2501	0
09C6	2502	8
09C7	2503	0
09C8	2504	4
09C9	2505	0
09CA	2506	0
09CB	2507	0
09CC	2508	0
09CD	2509	0
09CE	2510	0
09CF	2511	0
09D0	2512	0
09D1	2513	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle

Windows Taskbar: Type here to search, 29°C, 13:30, 11-01-2023