

Experiment 2: Subtract two 8 bits using 8085

GNUSim8085 - 8085 Microprocessor Simulator

FileResetAssemblerDebugHelp

Registers

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

Flag

S	0
Z	0
AC	0
P	0
C	0

Decimal - Hex Conversion

Decimal

Hex

0

0

To Hex

To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

0

-

+

00

Update Memory

Load me at

1

LDA

3052

2

MOV

B,A

3

LDA

3054

4

SUB

B

5

STA

3056

6

HLT

Data

Stack

KeyPad

Memory

I/O Ports

Start

3052

OK

Address (Hex)

Address

Data

0BEC

3052

4

0BED

3053

0

0BEE

3054

15

0BEF

3055

0

0BF0

3056

11

0BF1

3057

0

0BF2

3058

0

0BF3

3059

0

0BF4

3060

0

0BF5

3061

0

0BF6

3062

0

0BF7

3063

0

0BF8

3064

0

0BF9

3065

0

Line No

Assembler Message

0

Program assembled successfully

Simulator: Idle

Windows Taskbar

22:45 10-01-2023