

Experiment 5-multiply two 8 bit data

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help
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Registers

A	06
BC	02 00
DE	00 00
HL	00 00
PSW	00 00
PC	42 13
SP	FF FF
Int-Reg	00

Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```

1 LDA 4051
2 MOV B,A
3 LDA 4052
4 MOV C,A
5 MVI A,00H
7 LOOP: ADD B
8 DCR C
9 JNZ LOOP
10 STA 4053
11 HLT
        
```

Data Stack KeyPad Memory I/O Ports

Start OK

Address (Hex)	Address	Data
0FD3	4051	2
0FD4	4052	3
0FD5	4053	6
0FD6	4054	0
0FD7	4055	0
0FD8	4056	0
0FD9	4057	0
0FDA	4058	0
0FDB	4059	0
0FDC	4060	0
0FDD	4061	0
0FDE	4062	0

Decimal - Hex Conversion

Decimal
 Hex

I/O Ports

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Memory

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Line No Assembler Message

0 Program assembled successfully

Simulator: Idle