

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



Registers

A	00
BC	00 01
DE	00 00
HL	00 01
PSW	00 00
PC	42 22
SP	01 02
Int-Reg	00

Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```

1  LHLD 2050
2  SPHL
3  LHLD 2052
4  XCHG
5  LXI B,0000H
6  LXI B,0000H
7  AGAIN: DAD SP
8  JNC START
9  INX B
10 START: DCX D
11 MOV A,E
12 ORA D
13 JNZ AGAIN
14 SHLD 2054
15 MOV L,C
16 MOV H,B
17 SHLD 2055
18 HLT
    
```

Decimal - Hex Conversion

Decimal	Hex
<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="To Hex"/>	<input type="button" value="To Dec"/>

I/O Ports

<input type="text" value="0"/>	-	+	<input type="text" value="00"/>
<input type="button" value="Update Port Value"/>			

Memory

<input type="text" value="0"/>	-	+	<input type="text" value="00"/>
<input type="button" value="Update Memory"/>			

Data Stack KeyPad **Memory** I/O Ports

Start 2050

OK

Address (Hex)	Address	Data
0802	2050	2
0803	2051	1
0804	2052	3
0805	2053	1
0806	2054	6
0807	2055	1
0808	2056	0
0809	2057	0
080A	2058	0
080B	2059	0
080C	2060	0
080D	2061	0
080E	2062	0
080F	2063	0

Line No Assembler Message

0 Program assembled successfully

Simulator: Idle