

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



Registers		Flag
A	07	S 0
BC	0D 00	Z 1
DE	00 00	AC 0
HL	1F 42	P 1
PSW	00 00	C 1
PC	42 1D	
SP	FF FF	
Int-Reg	00	

Decimal - Hex Conversion

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

I/O Ports

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

Memory

8001	-	+	17
<input type="button" value="Update Memory"/>			

Load me at

```

1 LXI H,8000
2 MOV C,M
3 DCR C
4 LOOP3: MOV D,C
5 LXI H,8001
6 LOOP2: MOV A,M
7 INX H
8 CMP M
9 JC LOOP1
10 MOV B,M
11 MOV M,A
12 DCX H
13 MOV M,B
14 INX H
15 LOOP1: DCR D
16 JNZ LOOP2
17 DCR C
18 JNZ LOOP3
19 HLT

```

Memory

Address (Hex)	Address	Data
1F40	8000	3
1F41	8001	17
1F42	8002	7
1F43	8003	13
1F44	8004	0
1F45	8005	0
1F46	8006	0
1F47	8007	0
1F48	8008	0
1F49	8009	0
1F4A	8010	0
1F4B	8011	0
1F4C	8012	0
1F4D	8013	0

Line No Assembler Message

0 Program assembled successfully

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