



Registers

A	08
BC	02 00
DE	00 02
HL	21 34
PSW	00 00
PC	42 1A
SP	FF FF
Int-Reg	00

Flag

S	0
Z	1
AC	0
P	1
C	0

Load me at

```
1 LXI H, 8050
2 MOV C, M
3 INX H
4 MOV B, M
5 DCR C
6 LOOP: INX H
7 MOV A, M
8 CMP B
9 JNC SKIP
10 MOV B, A
11 SKIP: DCR C
12 JNZ LOOP
13 JNZ LOOP
14 LXI H, 8500
15 MOV M, B
16 HLT
```

Decimal - Hex Conversion

Decimal

Hex

0

0

→ To Hex

← To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

8501

-

+

00

Update Memory

Data Stack KeyPad Memory I/O Ports

Start 8050

OK

Address (Hex)	Address	Data
1F72	8050	5
1F73	8051	2
1F74	8052	7
1F75	8053	4
1F76	8054	9
1F77	8055	8
1F78	8056	0
1F79	8057	0
1F7A	8058	0
1F7B	8059	0
1F7C	8060	0
1F7D	8061	0
1F7E	8062	0
1F7F	8063	0

Line No Assembler Message

0 Program assembled successfully

File Reset Assembler Debug Help



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Load me at

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16 HLT
```

Decimal - Hex Conversion

Decimal

Hex

0

0

→ To Hex

← To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

8501

-

+

00

Update Memory

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

Start 8500

OK

Address (Hex)	Address	Data
2134	8500	2
2135	8501	0
2136	8502	0
2137	8503	0
2138	8504	0
2139	8505	0
213A	8506	0
213B	8507	0
213C	8508	0
213D	8509	0
213E	8510	0
213F	8511	0
2140	8512	0
2141	8513	0

Line No Assembler Message

0 Program assembled successfully