



Registers

| | | | |
|---------|----|----|-----|
| A | 01 | S | 0 |
| BC | 00 | 00 | |
| DE | 00 | 00 | |
| HL | 10 | 01 | |
| PSW | 00 | 00 | |
| PC | 42 | 0A | P 0 |
| SP | FF | FF | |
| Int-Reg | 00 | | C 0 |

Flag

| | |
|----|---|
| S | 0 |
| Z | 0 |
| AC | 0 |
| P | 0 |
| C | 0 |

Decimal - Hex Conversion

Decimal

0

To Hex

Hex

0

To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

0

-

+

00

Update Memory

Load me at

1

lxi h, 1000h

2

mov a, m

3

inx h

4

sub m

5

sta 1002h

6

hlt

Data

Stack

Keypad

Memory

I/O Ports

Start 1000h

OK

| Address (Hex) | Address | Data |
|---------------|---------|------|
| 1000 | 4096 | 5 |
| 1001 | 4097 | 4 |
| 1002 | 4098 | 1 |
| 1003 | 4099 | 0 |
| 1004 | 4100 | 0 |
| 1005 | 4101 | 0 |
| 1006 | 4102 | 0 |
| 1007 | 4103 | 0 |
| 1008 | 4104 | 0 |
| 1009 | 4105 | 0 |
| 100A | 4106 | 0 |
| 100B | 4107 | 0 |
| 100C | 4108 | 0 |
| 100D | 4109 | 0 |

| Line No | Assembler Message |
|---------|--------------------------------|
| 0 | Program assembled successfully |

Simulator: Idle

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