



Registers

| | |
|---------|-------|
| A | 00 |
| BC | 32 00 |
| DE | 78 00 |
| HL | 1B 5D |
| PSW | 00 00 |
| PC | 42 17 |
| SP | FF FF |
| Int-Reg | 00 |

Flag

| | |
|----|---|
| S | 0 |
| Z | 1 |
| AC | 0 |
| P | 1 |
| C | 1 |

Load me at

```
1 LXI H,7000
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 JC SKIP
10 MOV B,A
11 SKIP: DCR C
12 JNZ LOOP
13 LXI H,7005
14 MOV M,B
15 HLT
```

Decimal - Hex Conversion

Decimal

Hex

0

0

→ To Hex

← To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

0

-

+

00

Update Memory

Data Stack KeyPad Memory I/O Ports

Start 7000

OK

| Address (Hex) | Address | Data |
|---------------|---------|------|
| 1B58 | 7000 | 0 |
| 1B59 | 7001 | 10 |
| 1B5A | 7002 | 50 |
| 1B5B | 7003 | 30 |
| 1B5C | 7004 | 0 |
| 1B5D | 7005 | 50 |
| 1B5E | 7006 | 0 |
| 1B5F | 7007 | 0 |
| 1B60 | 7008 | 0 |
| 1B61 | 7009 | 0 |
| 1B62 | 7010 | 0 |
| 1B63 | 7011 | 0 |
| 1B64 | 7012 | 0 |
| 1B65 | 7013 | 0 |

Line No Assembler Message

0 Program assembled successfully