

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help



Registers

| | |
|---------|-------|
| A | 08 |
| BC | 06 00 |
| DE | 00 0A |
| HL | 08 06 |
| PSW | 00 00 |
| PC | 42 15 |
| SP | FF FF |
| Int-Reg | 00 |

Flag

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

Load me at

```

1  LXI H,2050
2  MOV C,M
3  DCR C
4  INX H
5  MOV A,M
6  LOOP1: INX H
7  CMP M
8  JNC LOOP
9  MOV A,M
10 LOOP: DCR C
11 JNZ LOOP1
12 STA 2058
13 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 2050

OK

| Address (Hex) | Address | Data |
|---------------|---------|------|
| 0802 | 2050 | 4 |
| 0803 | 2051 | 8 |
| 0804 | 2052 | 5 |
| 0805 | 2053 | 0 |
| 0806 | 2054 | 0 |
| 0807 | 2055 | 0 |
| 0808 | 2056 | 0 |
| 0809 | 2057 | 0 |
| 080A | 2058 | 8 |
| 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