



**Registers**

A	02	S	1
BC	04	02	
DE	00	00	Z 0
HL	04	4D	AC 0
PSW	00	00	
PC	42	19	P 1
SP	FF	FF	C 1
Int-Reg	00		

Load me at

```

1 LXI H, 1100
2 MOV B, M
3 MVI C, 00
4 INX H
5 MOV A, M
6 LOOP: CMP B
7 JC SKIP
8 SUB B
9 INR C
10 JMP LOOP
11 SKIP: STA 1102
12 MOV A, C
13 STA 1103
14 HLT
    
```

**Decimal - Hex Conversion**

Decimal:

Hex:

**I/O Ports**

Port 0:

**Memory**

Address:

Data  Stack  Keypad  I/O Ports

Address (Hex)	Address	Data
044C	1100	4
044D	1101	8
044E	1102	0
044F	1103	2
0450	1104	0
0451	1105	0
0452	1106	0
0453	1107	0
0454	1108	0
0455	1109	0
0456	1110	0
0457	1111	0

Line No Assembler Message

0 Program assembled successfully