



Registers

A00

BC2D3C

DED2F7

HLB424

PSW0000

PC422D

SPFFFF

nt-Reg00

Flag

S0

Z1

AC0

P1

C0

Decimal - Hex Conversion

Decimal

Hex

0

0

→ To Hex

← To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

0

-

+

00

Update Memory

Load me at

1LXI H,8000

2

3MOV C,M

4

5MVI B,00

6INX H

7

8MOV B,M

9CMA

10MOV E,A

11MVI D,00FH

12MOV A,B

13CMA

14MOV D,A

15INX D

16LXI H,0000

17NEXT: DAD B

18SHLD 8010

19LOOP: DAD D

20JNC SKIP

21MOV A,H

22ORA L

23JZ EXIT

24JMP LOOP

25SKIP: LHLD 8010

26JMP NEXT

27EXIT: LHLD 8010

28HLT

29

Data	Stack	KeyPad	Memory	I/O Po
Start	8000			
Address (Hex)	Address	Data		
1F40	8000	60		
1F41	8001	45		
1F42	8002	0		
1F43	8003	0		
1F44	8004	0		
1F45	8005	0		
1F46	8006	0		
1F47	8007	0		
1F48	8008	0		
1F49	8009	0		
1F4A	8010	0		
1F4B	8011	225		
1F4C	8012	0		
1F4D	8013	0		

Line No	Assembler Message
0	Program assembled successfully