

registers

A	03	S	0
BC	00 00	Z	1
DE	03 03	AC	0
HL	09 09	P	1
PSW	00 00	C	0
PC	42 1D		
SP	FF FF		
nt-Reg	00		

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:

1

LHLD 8500

2

MOV D,H

3

MOV E,L

4

LDA 8502

5

MOV C,A

6

CPI 00

7

JZ LOOP1

8

LXI H,0000

9

LOOP: DAD D

10

DCR C

11

JZ LOOP1

12

JMP LOOP

13

LOOP1: SHLD 8503

14

HLT

15

Data

Stack

KeyPad

Memory

Start 8500

Address (Hex)	Address	Data
2134	8500	3
2135	8501	3
2136	8502	3
2137	8503	9
2138	8504	9
2139	8505	0
213A	8506	0
213B	8507	0
213C	8508	0
213D	8509	0
213E	8510	0
213F	8511	0
2140	8512	0
2141	8513	0
2142	8514	0
2143	8515	0
2144	8516	0
2145	8517	0

Line No

Assembler Message

0

Program assembled successfully