

Registers			Flag
A	2A		S 0
BC	07	00	Z 1
DE	00	00	AC 0
HL	00	00	P 1
PSW	00	00	C 0
PC	42	1A	
SP	FF	FF	
Int-Reg	00		

Decimal - Hex Conversion

Decimal

Hex

0

0

To Hex

To Dec

I/O Ports

0

-

+

00

Update Port Value

Memory

8502

-

+

2A

Update Memory

Load me at

```

1 LDA 8500
2 MOV B, A
3 LDA 8501
4 MOV C, A
5 CPI 00
6 JZ LOOP
7 XRA A
8 LOOP1: ADD B
9 DCR C
10 JZ LOOP
11 JMP LOOP1
12 LOOP: STA 8502
13 RST 1

```

Data Stack Keypad Memory I/O Ports		
Start 8500		
Address (Hex)	Address	Data
2134	8500	7
2135	8501	6
2136	8502	42
2137	8503	0
2138	8504	0
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

Line No	Assembler Message
0	Program assembled successfully