



## Registers

A	00	S	0
BC	05 0A	Z	1
DE	00 00	AC	0
HL	05 0A	P	1
PSW	00 00	C	0
PC	42 22		
SP	05 0A		
Int-Reg	00		

## Flag

## Decimal - Hex Conversion

Decimal	Hex
<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="To Hex"/>	<input type="button" value="To Dec"/>

## I/O Ports

<input type="text" value="0"/>	-	<input type="text" value="00"/>
<input type="button" value="Update Port Value"/>		

## Memory

<input type="text" value="2051"/>	-	<input type="text" value="05"/>
<input type="button" value="Update Memory"/>		

Load me at

```
1  LHLD 2050
2  SPHL
3  LHLD 2052
4  XCHG
5  LXI H,0000H
6  LXI B,0000H
7  AGAIN: DAD SP
8  JNC START
9  INX B
10 START: DCX D
11 MOV A,E
12 ORA D
13 JNZ AGAIN
14 SHLD 2054
15 MOV L,C
16 MOV H,B
17 SHLD 2055
18 HLT
```

Data Stack KeyPad **Memory** I/O PortsStart  

Address (Hex)	Address	Data
0802	2050	10
0803	2051	5
0804	2052	0
0805	2053	0
0806	2054	0
0807	2055	10
0808	2056	5
0809	2057	0
080A	2058	0
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

