

Experiment 8-two 16 bits division

GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value
A	00
BC	0F 03
DE	00 2D
HL	01 03
PSW	00 00
PC	42 1F
SP	FF FF
Int-Reg	00

Flag

Flag	Value
S	0
Z	1
AC	0
P	1
C	0

Load me at

```
1 lhid 2001
2 xchg
3 lhid 2005
4 mov a,d
5 mov b,h
6 mvi c,00h
7 loop: inr c
8 sub b
9 jnz loop
10 mov h,c
11 mov a,e
12 mov b,l
13 mvi c,00h
14 lp: inr c
15 sub b
16 jnz lp
17 mov l,c
18 shld 2010
19 hlt
```

Decimal - Hex Conversion

Decimal	Hex
0	0

I/O Ports

Port	Value
0	00

Memory

Address (Hex)	Address	Data
07D1	2001	45
07D2	2002	0
07D3	2003	0
07D4	2004	0
07D5	2005	15
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	3
07DB	2011	1
07DC	2012	0
07DD	2013	0
07DE	2014	0

Line No Assembler Message

```
0 Program assembled successfully
```

Simulator: Idle

Windows Taskbar: Type here to search, 23:15, 11-01-2023