

GNUsim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value	Flag
A	16	S 0
BC	02 00	Z 0
DE	00 00	AC 0
HI	00 00	P 0
PSW	00 00	C 0
PC	42	
SP	FF FF	
ist-Reg	00	

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

load me at

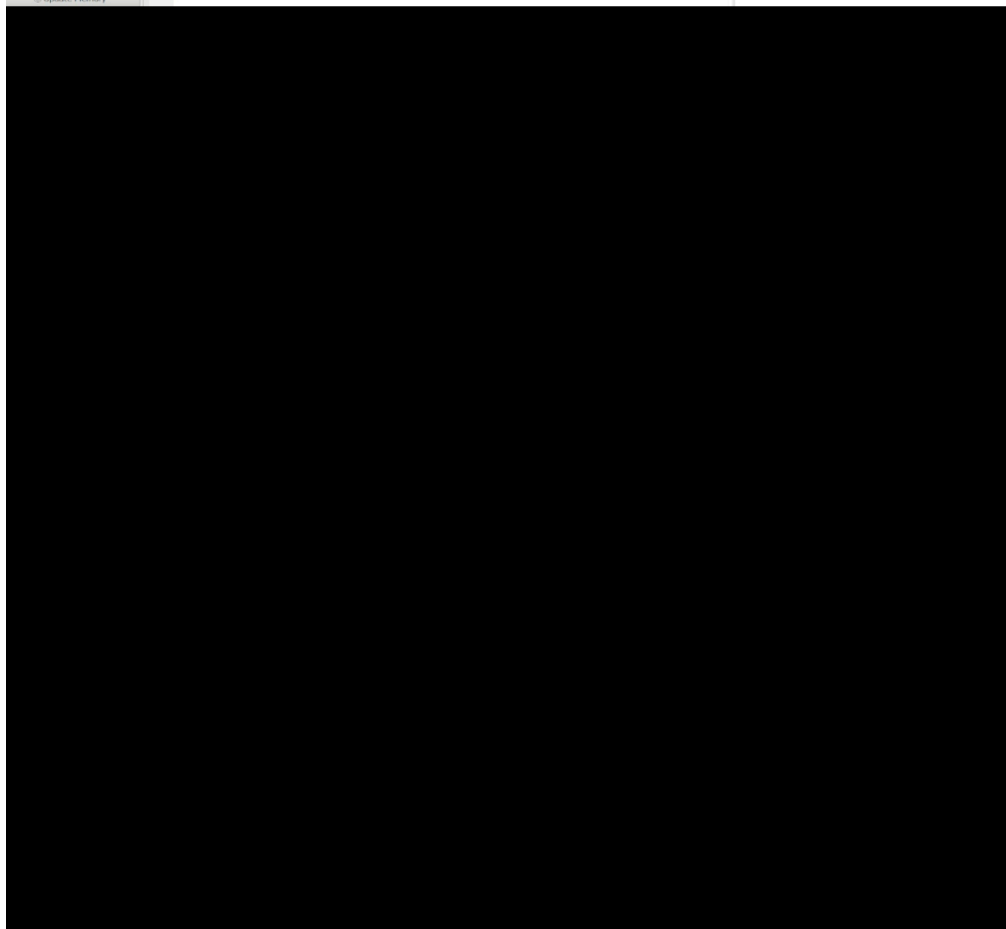
Line No	Assembler Message
1	LDA 2000
2	MOV B,A
3	LDA 2001
4	ADD B
5	STA 2002
6	

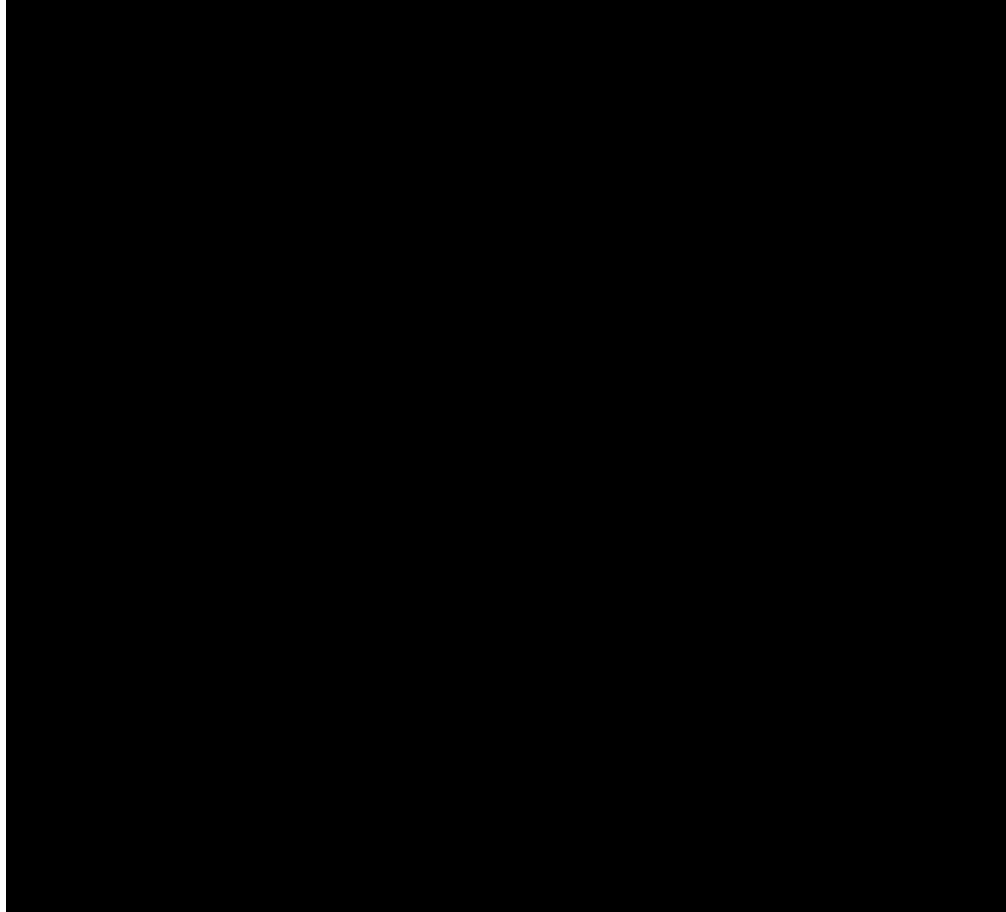
Start 2000 OK

Address (Hex)	Address	Data
07D0	2000	2
07D1	2001	20
07D2	2002	22
07D3	2003	0
07D4	2004	0
07D5	2005	0
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	0
07DB	2011	0
07DC	2012	0
07DD	2013	0

Line No Assembler Message

0 Program assembled successfully





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Registers

Register	Value
A	12
BC	02 00
DE	00 00
HL	00 00
PSW	00 00
PC	42 0C
SP	FF FF
Int-Reg	00

Flag

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

Load me at:

Line No.	Assembler Message
1	LD A, 2000
2	MOV B, A
3	LDA 2001
4	SUB B
5	JTA 2002
6	HLT

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

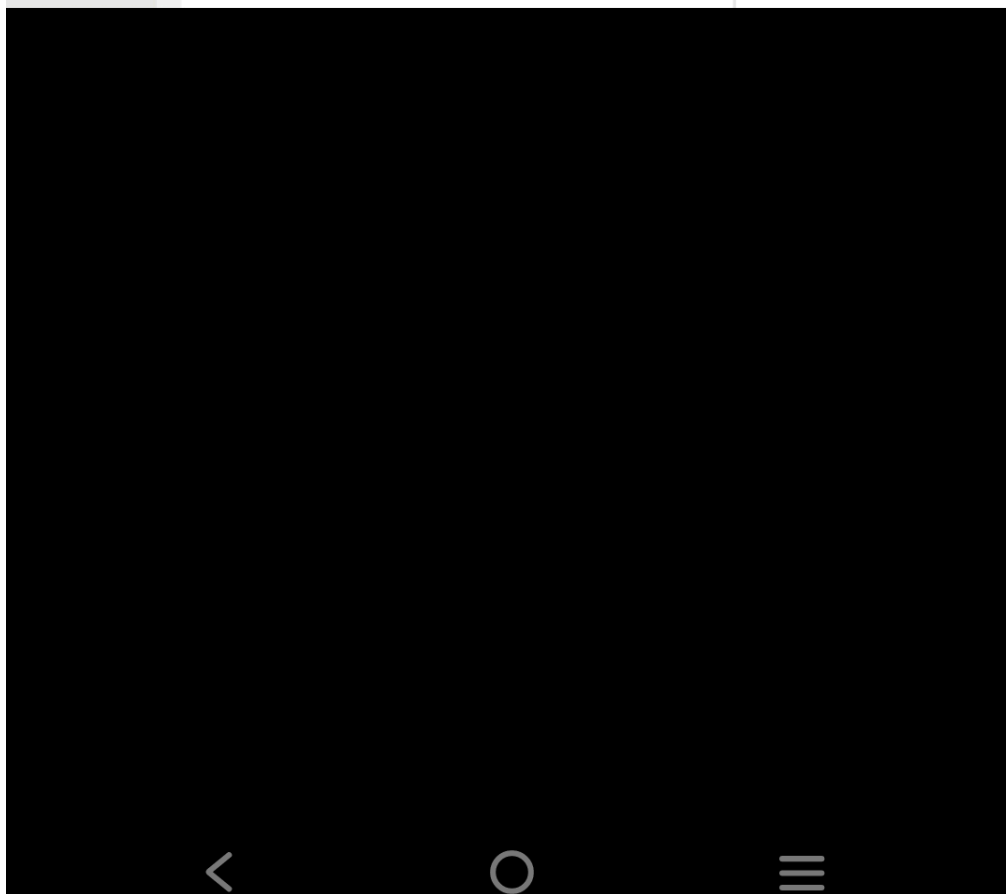
Data Stack Keypad Memory I/O Ports

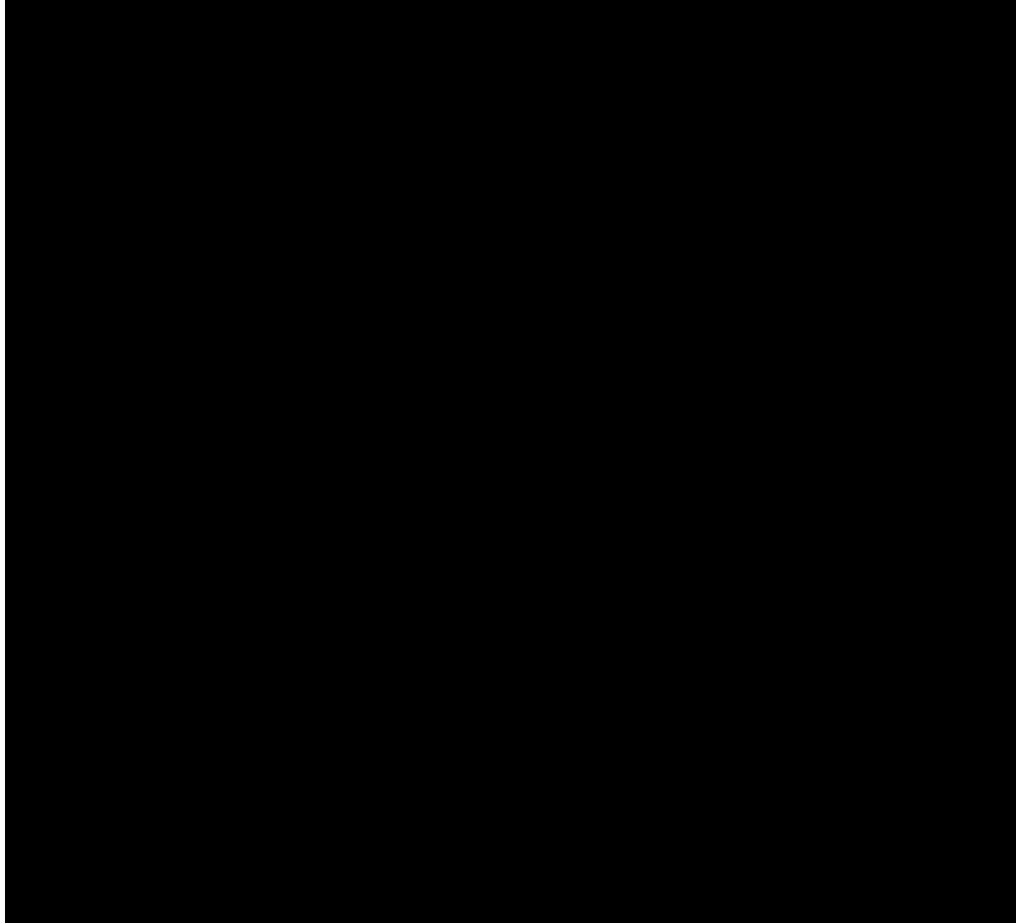
Start 2000

Address (Hex)	Address	Data
0700	2000	2
0701	2001	20
0702	2002	18
0703	2003	0
0704	2004	0
0705	2005	0
0706	2006	0
0707	2007	0
0708	2008	0
0709	2009	0
070A	2010	0
070B	2011	0
070C	2012	0
070D	2013	0

Line No. Assembler Message

0 Program assembled successfully





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Registers

Register	Value	Flag
A	05	S 0
BC	00 00	Z 0
DE	08 06	
HL	03 04	AC 0
PSW	00 00	
PC	42 09	P 1
SP	FF FF	C 0

Int-Reg 00

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Update Memory

Load memory

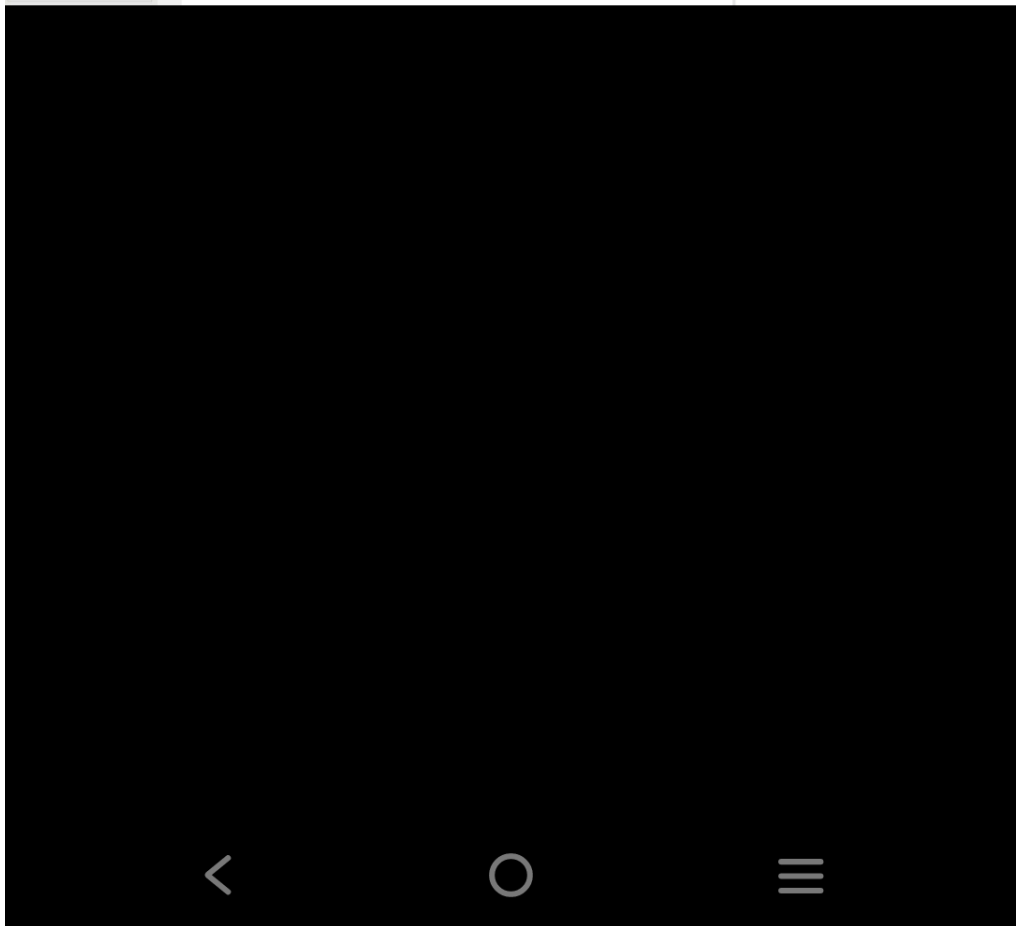
Address	Data
2050	05
2051	08
2052	06
2053	03
2054	04
2055	00

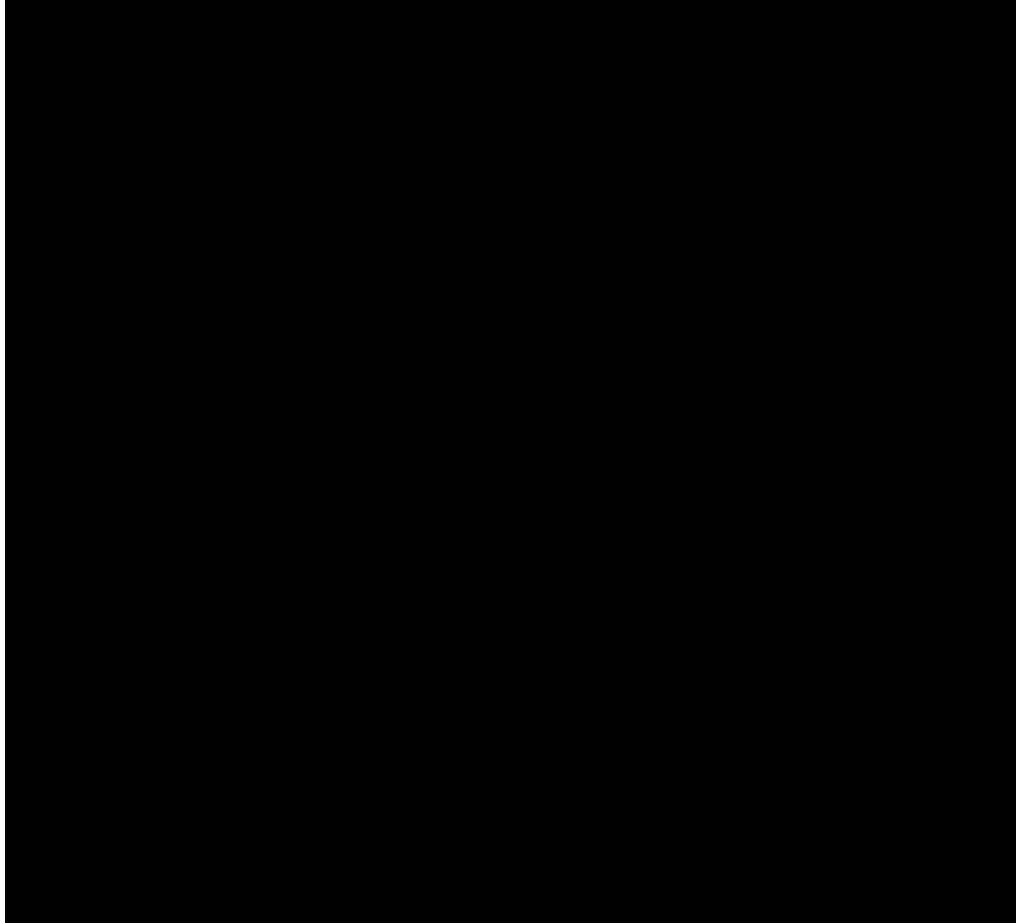
Start 2050

Address (Hex)	Address	Data
0802	2050	05
0803	2051	08
0804	2052	06
0805	2053	03
0806	2054	04
0807	2055	00
0808	2056	00
0809	2057	00
080A	2058	00
080B	2059	00
080C	2060	00
080D	2061	00
080E	2062	00
080F	2063	00

Line No Assembler Message

0 Program assembled successfully





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Registers

Register	Value	Flag
A	0A	S 0
BC	05 00	Z 0
DE	00 00	AC 0
HL	00 00	P 1
PSW	00 00	C 0
PC	42 16	
SP	FF FF	
Int-Reg	00	

Load me at:

Line No.	Assembler Message
1	10A 2000
2	MOV B,A
3	10A 2001
4	ADC B
5	STA 2002
6	10A 2003
7	MOV B,A
8	10A 2004
9	ADC B
10	STA 2005
11	

Decimal - Hex Conversion

Decimal	Hex
0	0

I/O Ports

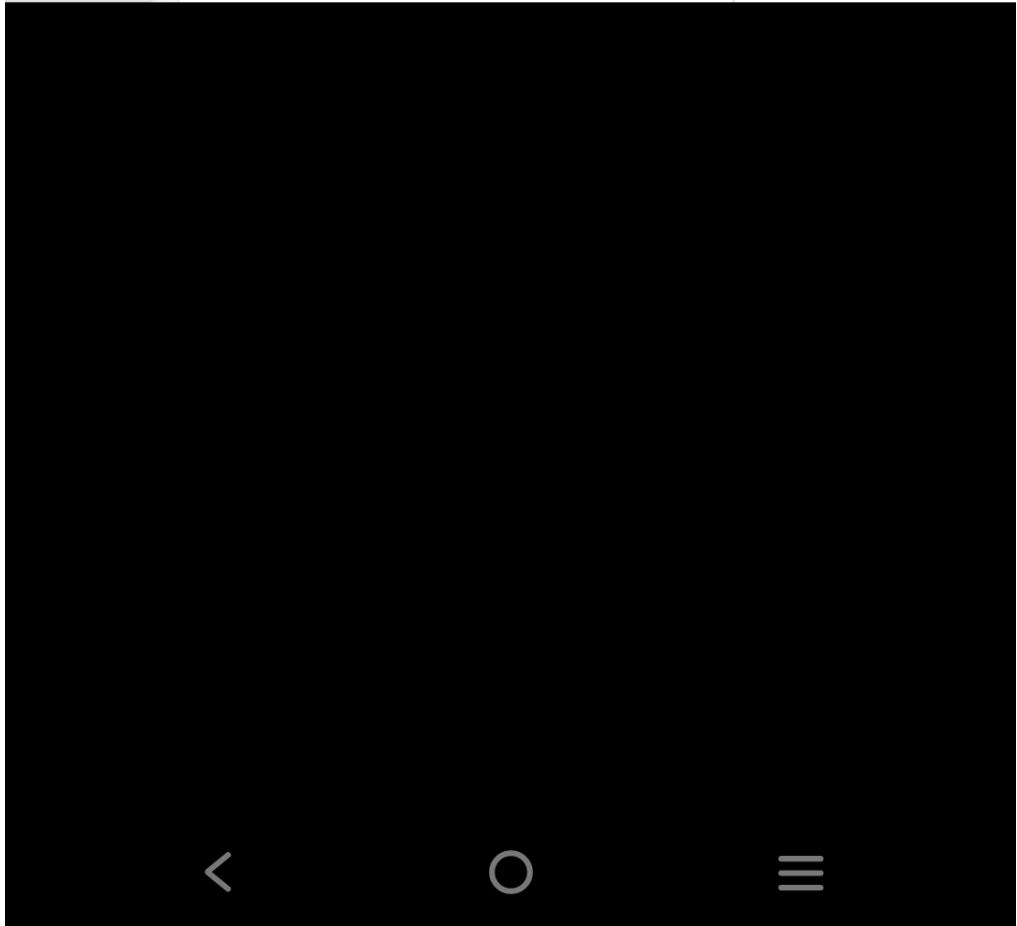
Port	Value
0	00

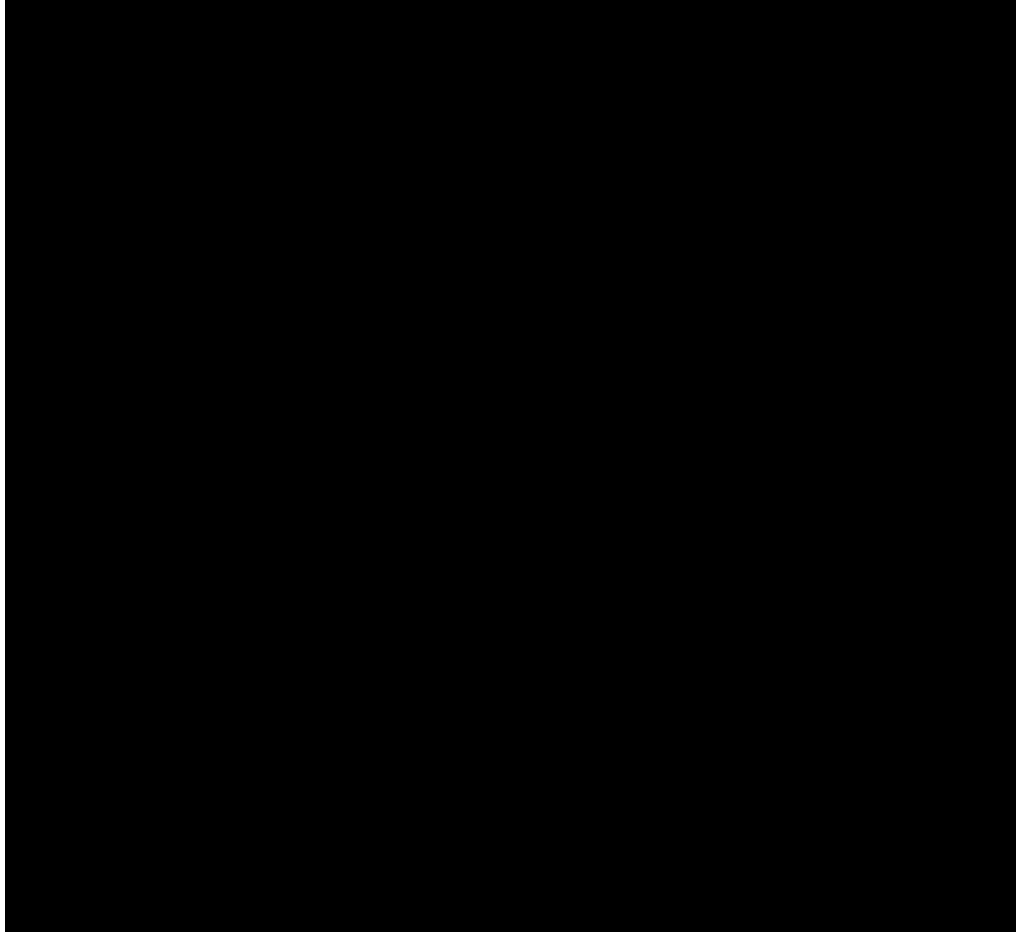
Memory

Address (Hex)	Address	Data
07D0	2000	2
07D1	2001	3
07D2	2002	5
07D3	2003	5
07D4	2004	5
07D5	2005	10
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	0
07DB	2011	0
07DC	2012	0
07DD	2013	0

Line No. Assembler Message

Line No.	Assembler Message
0	Program assembled successfully





GNUsim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers

Register	Value	Flag
A	04	S 0
BC	00 00	Z 1
DE	00 02	AC 0
HL	00 08	P 1
PSW	00 00	C 0
PC	42 15	
SP	FF FF	
Int-Reg	00	

Decimal - Hex Conversion

Decimal: 0 Hex: 0

To Hex To Dec

I/O Ports

0 - + 00

Update Port Value

Memory

0 - + 00

Load me at

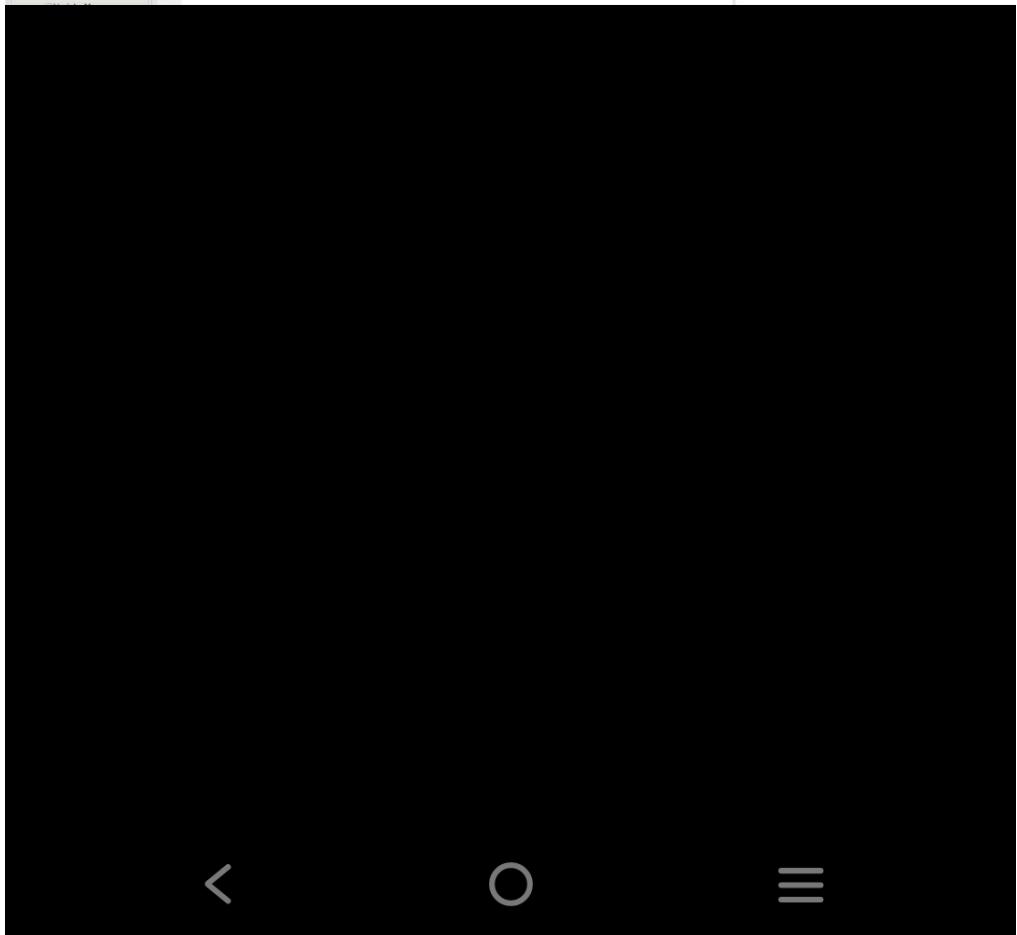
```
1 LDA 2000
2 MOV D,A
3 MVI D,00
4 LDA 2001
5 MOV C,A
6 LDI R,0000
7 RALCE DAD D
8 DCR C
9 JNZ BACK
10 SHLO 2002
11
```

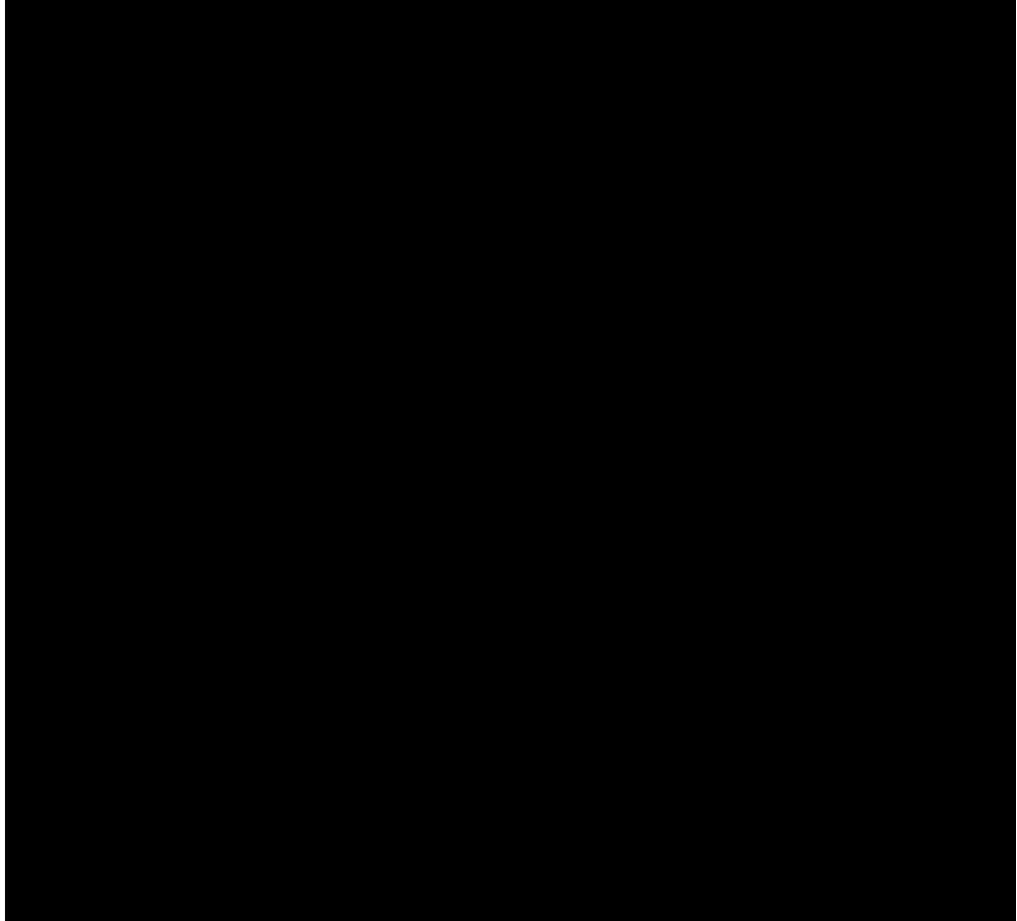
Start 2000 OK

Address (Hex)	Address	Data
0700	2000	2
0701	2001	4
0702	2002	8
0703	2003	0
0704	2004	0
0705	2005	0
0706	2006	0
0707	2007	0
0708	2008	0
0709	2009	0
070A	2010	0
070B	2011	0
070C	2012	0
070D	2013	0

Line No: Assembler Message

0 Program assembled successfully





GNUSim8085 - 8085 Microprocessor Simulator

File Reset Assembler Debug Help

Registers: A 02, BC 05 02, DE 00 00, HL 00 00, PSW 00 00, PC 42 1B, SP FF FF, Int-Reg 00. Flag: S 1, Z 0, AC 0, P 0, C 1.

Load me at:

```
1 START: NOP
2 LDA 2000
3 MOV B,A
4 LDA 2001
5 MVI C,00
6 LOOP: CNP B
7 JC LOOP1
8 INR B
9 INR C
10 JNB LOOP
11 LOOP1: STA 2002
12 MOV A,C
13 INR A
14 RST 1
15 HLT
```

Decimal - Hex Conversion: Decimal 0, Hex 0. Buttons: To Hex, To Dec.

I/O Ports: 0, 00. Update Port Value.

Memory: 0, 00. Update Memory.

Start 2000. Memory dump table:

Address (Hex)	Address	Data
07D0	2000	5
07D1	2001	10
07D2	2002	0
07D3	2003	2
07D4	2004	0
07D5	2005	0
07D6	2006	0
07D7	2007	0
07D8	2008	0
07D9	2009	0
07DA	2010	0
07DB	2011	0
07DC	2012	0
07DD	2013	0

Line No: Assembler Message  
0 Program assembled successfully

