



Sim8085

Registers

A/PSW	0x 48 16
BC	0x 72 02
DE	0x 00 0A
HL	0x 00 00
SP	0x FF FF
PC	0x 08 1C

Flags

Z	<input type="checkbox"/>
S	<input type="checkbox"/>
P	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>
AC	<input checked="" type="checkbox"/>



Load at 0x0800

main.asm

```
1 LDA 2100H
2 MOV B,A
3 ANI 0FH
4 MOV C,A
5 MOV A,B
6 ANI F0H
7 RRC
8 RRC
9 RRC
10 RRC
11 MOV D,A
12 MVI E,0AH
13 XRA A
14 LOOP:ADD E
15 DCR D
16 JNZ LOOP
17 ADD C
18 STA 2110H
19 HLT
```

Memory View



0x

Address i

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
210	72	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
211	48	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
212	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
213	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
214	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
216	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
217	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
218	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
219	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21A	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21B	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21D	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21F	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Start Address at: 0x 1100



Registers

A/PSW	0x 02 93
BC	0x 02 05
DE	0x 00 00
HL	0x 00 00
SP	0x FF FF
PC	0x 08 28

Flags

Z	<input type="checkbox"/>
S	<input checked="" type="checkbox"/>
P	<input type="checkbox"/>
C	<input checked="" type="checkbox"/>
AC	<input checked="" type="checkbox"/>



Load at 0x0800

main.asm

```
1 LDA 8200H
2 MVI B,00H
3 MOV C,B
4 X:CPI 64H
5 JC LOOP1
6 SUI 64H
7 INR B
8 JMP X
9 LOOP1:CPI 0AH
10 JC LOOP2
11 SUI 0AH
12 INR C
13 JMP LOOP1
14 LOOP2:STA 8201H
15 MOV A,C
16 STA 8202H
17 MOV A,B
18 STA 8203H
19 HLT
20
```

Memory View



0x

Address i

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
820	FF	05	05	02	00	00	00	00	00	00	00	00	00	00	00	00
821	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
822	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
823	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
824	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
825	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
826	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
827	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
828	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
829	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82A	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82B	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82D	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
82F	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Start Address at: 0x 7700 ▼





Sim8085 ^{alpha}

Registers

A/PSW	0x 30 06
BC	0x 60 00
DE	0x 06 00
HL	0x 00 00
SP	0x FF FF
PC	0x 08 1D

Flags

Z	<input type="checkbox"/>
S	<input type="checkbox"/>
P	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>
AC	<input type="checkbox"/>



Load at 0x0800

main.asm

```
1 LDA 2101H
2 MOV B,A
3 ANI 0FH
4 MOV C,A
5 MOV A,B
6 ANI F0H
7 RRC
8 RRC
9 RRC
10 RRC
11 MOV D,A
12 CALL ASCII
13 STA 2110H
14 MOV A,C
15 CALL ASCII
16 STA 2111H
17 HLT
18 ASCII:CPI 04H
19 JC CODE
20 ADI 07H
```

Memory View



0x

Address i

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
210	00	60	00	00	00	00	00	00	00	00	00	00	00	00	00	00
211	3D	30	00	00	00	00	00	00	00	00	00	00	00	00	00	00
212	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
213	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
214	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
215	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
216	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
217	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
218	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
219	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21A	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21B	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21D	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
21F	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Start Address at: 0x 1100





Sim8085



Load at 0x0800

Registers

A/PSW	0x 0C 56
BC	0x 0C 00
DE	0x 00 00
HL	0x 22 05
SP	0x FF FF
PC	0x 08 1C

Flags

Z	<input checked="" type="checkbox"/>
S	<input type="checkbox"/>
P	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>
AC	<input checked="" type="checkbox"/>

main.asm

```
1 LDA 2200H
2 MOV C,A
3 MVI B,00H
4 LXI H,2201H
5 BACK:MOV A,M
6 ANI 01H
7 JNZ SKIP
8 MOV A,B
9 ADD M
10 MOV B,A
11 SKIP:INX H
12 DCR C
13 JNZ BACK
14 MOV A,B
15 STA 2210H
16 HLT
17
```

Memory View



0x

Address i

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
220	04	07	08	07	04	00	00	00	00	00	00	00	00	00	00	00
221	0C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
222	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
223	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
224	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
226	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
227	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
228	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
229	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22A	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22B	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22D	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22F	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Start Address at: 0x2200





Sim8085



Load at 0x0800

Registers

A/PSW	0x 0E 56
BC	0x 0E 00
DE	0x 00 00
HL	0x 22 05
SP	0x FF FF
PC	0x 08 1C

Flags

Z	<input checked="" type="checkbox"/>
S	<input type="checkbox"/>
P	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>
AC	<input checked="" type="checkbox"/>

main.asm

```
1 LDA 2200H
2 MOV C,A
3 MVI B,00H
4 LXI H,2201H
5 BACK:MOV A,M
6 ANI 01H
7 JZ SKIP
8 MOV A,B
9 ADD M
10 MOV B,A
11 SKIP:INX H
12 DCR C
13 JNZ BACK
14 MOV A,B
15 STA 2201H
16 HLT
```

Memory View



0x

Address i

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
220	04	0E	08	07	04	00	00	00	00	00	00	00	00	00	00	00
221	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
222	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
223	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
224	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
225	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
226	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
227	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
228	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
229	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22A	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22B	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22C	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22D	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22E	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
22F	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Start Address at: 0x 2200 ▼

