

Memory

0x0 - 0x1E

0x2001 - 0x2002

Displaying Memory Locations from 0x2001 to 0x2002

Double click the value to edit then press Enter to save the value or Tab to edit the next location.

0x2001

72

0x2002

48

1 LDA 2001H

2 MOV B,A

3 ANI 0FH

4 MOV C,A

5 MOV A,B

6 ANI 0F0H

7 JZ SKIP

8 RRC

9 RRC

10 RRC

11 RRC

12 MOV D,A

13 XRA A

14 MVI E,0AH

15 NEXT:ADD E

16 DCR D

17 JNZ NEXT

18 SKIP:ADC C

19 STA 2002H

20 HLT

Machine Code

Line	Address	Machine Code	Source Code
1	0x0	3A 01 20	LDA 2001H
2	0x3	47	MOV B,A
3	0x4	E6 0F	ANI 0FH
4	0x6	4F	MOV C,A
5	0x7	78	MOV A,B
6	0x8	E6 F0	ANI 0F0H
7	0xA	CA 1A 00	JZ SKIP
8	0xD	0F	RRC
9	0xE	0F	RRC
10	0xF	0F	RRC
11	0x10	0F	RRC
12	0x11	57	MOV D,A
13	0x12	AF	XRA A
14	0x13	1E 0A	MVI E,0AH
15	0x15	83	NEXT:ADD E

Memory

0x0 - 0x18

0x2001 - 0x2003

0x2001 - 0x2002

Displaying Memory Locations from 0x2001 to 0x2002

Double click the value to edit then press Enter to save the value or Tab to edit the next location.

0x2001

11

0x2002

00

1 MVI D,00H

2 MVI A,00H

3 LXI H,2001H

4 MOV B,M

5 NEXT:ADI 01H

6 DAA

7 JNC LOOP

8 INR D

9 LOOP:DCR B

10 JNZ NEXT

11 MOV L,D

12 MOV H,A

13 SHLD 2002H

14 HLT

Machine Code

Line	Address	Machine Code	Source Code
1	0x0	16 00	MVI D,00H
2	0x2	3E 00	MVI A,00H
3	0x4	21 01 20	LXI H,2001H
4	0x7	46	MOV B,M
5	0x8	C6 01	NEXT:ADI 01H
6	0xA	27	DAA
7	0xB	D2 0F 00	JNC LOOP
8	0xE	14	INR D
9	0xF	05	LOOP:DCR B
10	0x10	C2 08 00	JNZ NEXT
11	0x13	6A	MOV L,D
12	0x14	67	MOV H,A
13	0x15	22 02 20	SHLD 2002H
14	0x18	76	HLT