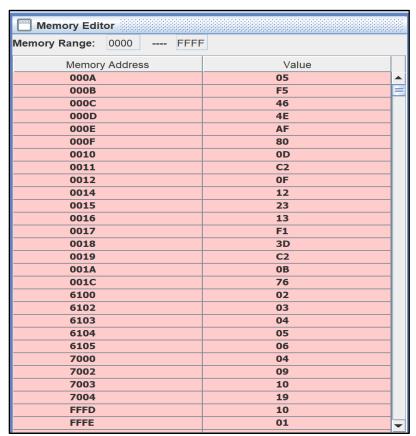
## Module 2

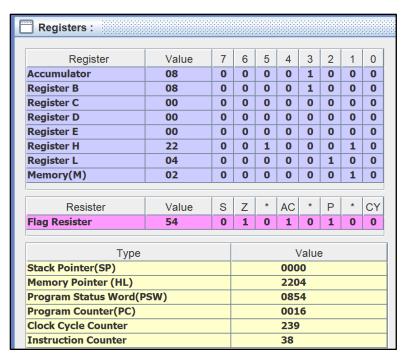
## PRACTICAL 1

1) Find the square of the given numbers from memory location 6100H and store the result from memory location 7000H.

Register Accumulator	Value 00	7	6 <b>0</b>	5 <b>0</b>	4 0	3 <b>0</b>	2 0	1 0	0		
Register B	05	0	0	0	0	0	1	0	1		
Register C	00	0	0	0	0	0	0	0	0		
Register D	70	0	1	1	1	0	0	0	0		
Register E	05	0	0	0	0	0	1	0	1		
Register H	61	0	1	1	0	0	0	0	1		
Register L	05	0	0	0	0	0	1	0	1		
Memory(M)	06	0	0	0	0	0	1	1	0		
		1 _									
Resister	Value	S	Z	*	AC	*	Р	*	CY		
Flag Resister	54	0	1	0	1	0	1	0	0		
Tune				Value							
Type Stack Pointer(SP)			FFFF								
Memory Pointer (HL) Program Status Word(PSW)				6105 0054							
Clock Cycle Counter			5249								



2) Calculate the sum of series of even numbers from the list of numbers. The length of the list is in memory location 2200H and the series itself begins from memory location 2201H. Assume the sum to be 8 bit number so you can ignore carries and store the sum at memory location 2Sample problem:



Maman, Edit	100000		
Memory Edit	OF SHEET	666666666666666	
Memory Range:	0000	FFFF	=
Memory Address			Value
000A			0F
000C			7E
000D			80
000E			47
000F			0D
0010			C2
0011			06
0013			32
0015			23
0016			76
2200			04
2201			03
2202			02
2203			04
2204			02
2300			08

3) Calculate the sum of series of odd numbers from the list of numbers. The length of the list is in memory location 2200H and the series itself begins from memory location 2201H. Assume the sum to be 16-bit. Store the sum at memory locations 2300H and 2301H.

Registers :		various.	- Contraction	anararan	********	arararara			erene.	
Register	Value	7	6	5	4	3	2	1	0	
Accumulator	00	0	0	0	0	0	0	0	0	
Register B	07	0	0	0	0	0	1	1	1	
Register C	03	0	0	0	0	0	0	1	1	
Register D	00	0	0	0	0	0	0	0	0	
Register E	00	0	0	0	0	0	0	0	0	
Register H	22	0	0	1	0	0	0	1	0	
Register L	04	0	0	0	0	0	1	0	0	
Memory(M)	06	0	0	0	0	0	1	1	0	
Resister	Value	S	Z	*	AC	*	Р	*	CY	
Flag Resister	00	0	0	0	0	0	0	0	0	
Туре			Value							
Stack Pointer(SP) Memory Pointer (HL) Program Status Word(PSW) Program Counter(PC) Clock Cycle Counter			0000 2204							

Memory Editor								
Memory Range: 0000 FFFF								
Memory Address	Value							
000A	D2							
000B	14							
000D	7E							
000E	80							
000F	D2							
0010	13							
0012	14							
0013	47							
0014	0D							
0015	C2							
0016	07							
0018	78							
0019	32							
001B	23							
001C	7A							
001D	32							
001E	01							
001F	23							
2200	04							
2201	02							
2202	01							
2203	03							
2204	06							
2300	04							