Level 2 Instruction Set

Level 2 Instruction Set		
Step	Instruction Type	Instruction
0	set a 0	Write 0 in cell a
1	set b 0	Write 0 in cell b
2	set c 9	Write 9 in cell c
3	set d 1	Write 1 in cell d
4	set e 1	Write 1 in cell e
5	set f 7	Write 7 in cell f
6	set g 17	Write 17 in cell g
7	plot a b	Draw pixel at column (cell a), row (cell b)
8	+ a d a	Add (cell a) and (cell d). Write result in cell a.
9	+ b e b	Add (cell b) and (cell e). Write result in cell b.
10	< b c h	Compare cell b and cell c If (cell b) is less than (cell c) write 1 in cell h Otherwise write 0 in cell h
11	jump h f	Compare cell h If (cell h) is 1 go to step (cell f) and continue Otherwise ignore this step and continue
12	jump i g	Compare cell i If cell i is 1 go to step cell g and continue Otherwise ignore this step and continue
13	set i 1	Write 1 in cell i
14	set b -1	Write -1 in cell b
15	set d -1	Write -1 in cell d
16	jump	Compare cell i If (cell i) is 1 go to step cell f and continue Otherwise ignore this step and continue
		If you get here, no more steps, then you are done! Check your answer!

Level 2 Memory

Memory Registers

a	b	c	d	e	f	g	h	i	j
0	0	9	1	1	7	17	1	1	
1	1		-1						
2	2								
3	3								
4	4								
5	5								
6	6								
7	7								
8	8								
9	9								
	-1								
8	0								
7	1								
6	2								
5	3								
4	4								
3	5								
2	6								
1	7								
0	8								
-1	9								

Level 2 Monitor