Cycle	Instruction Retired	Reason
1	None	
2	None	
3	None	
4	None	
5	None	
6	None	
7	None	
8	lbi r0, 0	
9	lbi r5, 43	
10	lbi r6, 43	
11	lbi r7, 43	
12	ld r1, r0, 0	
13	NOP	15 depends on 12
14	NOP	15 depends on 12
15	st r5, r1, 0	
16	ld r1, r0, 0	
17	NOP	19 depends on 16
18	NOP	19 depends on 16
19	st r6, r1, 0	
20	ld r1, r0, 0	
21	NOP	23 depends on 20
22	NOP	23 depends on 20
23	st r7, r1, 0	
24	halt	