ECE 552 Final Project
Demo2

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Cycle	Instruction Retired	Reason
1	nop	Instruction reset
2	nop	
3	nop	
4	lbi r0, 0	
5	lbi r5, 43	
6	lbi r6, 43	
7	lbi r7, 43	
8	ld r1, r0, 0	
9	nop	RAW hazard. The instruction in line 12 need register r1 from line 8, so here insert "nop" for waiting the value of r1 write back
10	nop	
11	nop	
12	st r5, r1, 0	
13	ld r1, r0, 2	
14	nop	RAW hazard. The instruction in line 17 need register r1 from line 13, so here insert "nop" for waiting the value of r1 write back
15	nop	
16	nop	
17	st r6, r1, 1	
18	ld r1, r0, 4	
19	nop	RAW hazard. The instruction in line 22 need register r1 from line 18, so here insert "nop" for waiting the value of r1 write back
20	nop	
21	nop	
22	st r7, r1, 1	
23	halt	