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You must also submit a document named titled instruction_timeline.pdf which gives an explanation of the behavior of your processor for the perf-test-dep-ldst.asm test. The Instruction Retired field would either be one of the instructions from the test program or a "NOP" if dependencies necessitate any stall cycles. The Reason column should give an explanation of why a stall was needed in that instance.

Cycle	Instruction Retired	Reason
1		
2		
3		
4	lbi r0, 0	
5	lbi r5, 43	
6	lbi r6, 43	
7	lbi r7, 43	
8	ld r1, r0, 0	
9	nop	We have a nop here because we need to wait for the load to finish.
10	st r5, r1, 0	
11	ld r1, r0, 2	
12	nop	We have a nop here because we need to wait for the load to finish.
13	st r6, r1, 1	
14	ld r1, r0, 4	
15	nop	We have a nop here because we need to wait for the load to finish.
16	st r7, r1, 1	
17	halt	