Instruction	Reason
lbi r0, 0	Normal execution
lbi r5, 43	Normal execution
lbi r6, 43	Normal execution
lbi r7, 43	Normal execution
ld r1, r0, 0	Normal execution
st r5, r1, 0 (nop)	Load Hazard (need to stall)
st r5, r1, 0	Normal execution
ld r1, r0, 2	Normal execution
st r6, r1, 1 (nop)	Load Hazard (need to stall)
st r6, r1, 1	Normal execution
ld r1, r0, 4	Normal execution
st r7, r1, 1 (nop)	Load Hazard (need to stall)
st r7, r1, 1	Normal execution
halt	halt~!