|  |  |  |
| --- | --- | --- |
| 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 |  |