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4.10.1

9 cycles (for perfect branch)  
nops can't be added because it is an instruction that needs to be fetched

4.13.1

```
add r5, r2, r1
nop
nop
lw r3, 4(r5)
lw r2, 0(r2)
nop
or r3, r5, r3
nop
sw r3, 0(r5)
```

4.13.2

```
(rearranged)
add r5, r2, r1
lw r2, 0(r2)
nop
lw r3, 4(r5)
nop
nop
Or r3, r5, r3
nop
nop
sw r3, 0(r5)
```

(no gain in performance?)