# B. **Invalid** tag in check_ptr

CPU

## Tag Leakage Gadget

if (cond) {

// Check

**Tag Check Fault**

…

// Test

Not Accessed

}

| | Evaluated | | Speculated |
|---|---|---|---|
| check_ptr | ▪ | &check | |
| test_ptr | ▪ | &test | |
| cond | | **False** | True |

Tag
Check **Mismatch**

**No reason to continue speculative execution**
Correct spec→ (synchronous) tag check fault
Wrong spec → Revert execution

check, not test