Contradiction

- Try this:

KB

Rain ∨ Snow

Rain → Traffic

⬅ f: ¬Rain ∧ ¬Snow

No intersection!

Rain	Snow	Traffic
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0
1	0	1
1	1	0
1	1	1

Contingency

Rain	Snow	Traffic
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0
1	0	1
1	1	0
1	1	1
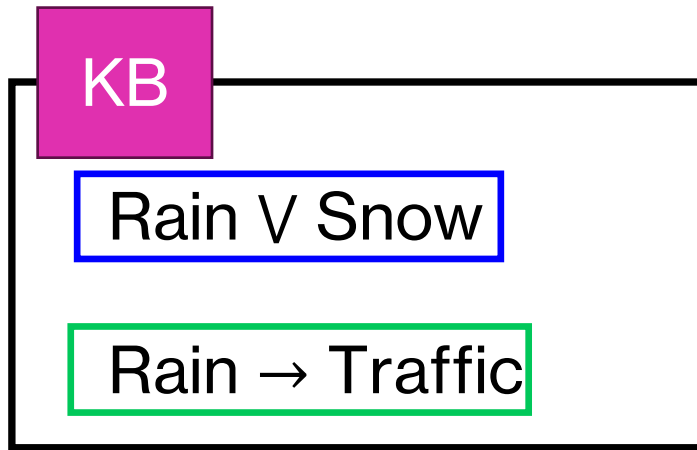
Possibly new knowledge →

Intersection →

- Try this:

KB

Rain ∨ Snow

Rain → Traffic

$f: \neg$Traffic

- **Contingency happens (non-trivial knowledge was added to KB)**