Icy Roads

- Inspector Smith is waiting for Holmes and Watson who are both late for an appointment.
- Smith is worried that if the roads are icy one or both of them may have crashed his car.
- Suddenly Smith learns that Watson has crashed.
- Smith thinks: If Watson has crashed, probably the roads are icy, then Holmes has probably crashed too!
- Smith then learns it is warm outside and roads are salted
- Smith thinks: Watson was unlucky; Holmes should still make it.

Causal Relationships

State of Roads
icy/not icy

Watson
-crash/no crash

Holmes
-crash/no crash

Watson has crashed!

State of Roads
icy/not icy

Watson
-crash

Holmes
-crash/no crash

But the Roads are Salted!

State of Roads
not icy

Watson
-crash

Holmes
-crash/no crash
Wet Grass

- To avoid the icy roads, Holmes moves to LA; Watson moves in next door.
- One morning as Holmes leaves for work, he notices that his grass is wet. He wonders whether he has left his sprinkler on, or it has rained.
- Glancing over to Watson’s lawn he notices that it is also wet.
- Holmes thinks: *Since Watson’s lawn is wet, it probably rained last night.*
- He then thinks: *If it rained then that explains why my lawn is wet, so probably the sprinkler is off.*

The State of the ‘Turf’

Rain Last Night
\[\text{yes/no}\]

Sprinkler
\[\text{on/off}\]

Watson’s Lawn
\[\text{wet/dry}\]

Holmes’ Lawn
\[\text{wet/dry}\]

Holmes’ Grass is Wet

Rain Last Night
\[\text{yes/no}\]

Sprinkler
\[\text{on/off}\]

Watson’s Lawn
\[\text{wet/dry}\]

Holmes’ Lawn
\[\text{wet}\]

Watson’s Grass is also Wet

Rain Last Night
\[\text{yes/no}\]

Sprinkler
\[\text{on/off}\]

Watson’s Lawn
\[\text{wet}\]

Holmes’ Lawn
\[\text{wet}\]