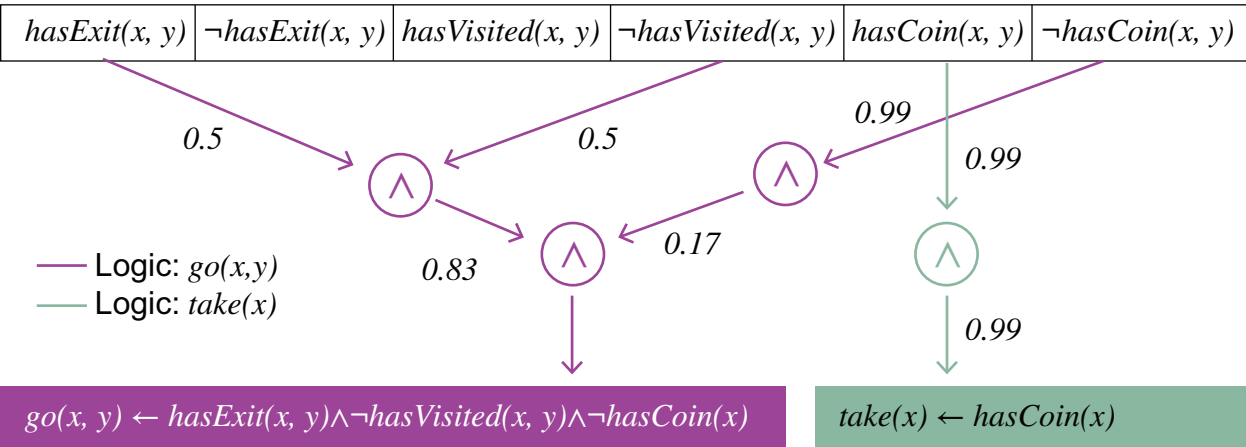Observation: You find yourself in a bedroom. An usual one. I guess you better just go and list everything you see here. There is an exit to the north. Don't worry, it is unguarded. There is an exit to the south. Don't worry, it is unblocked. You don't like doors? Why not try going west, that entranceway is unguarded.

Symbolic facts: *hasExit(bedroom, north), hasExit(bedroom, south), hasExit(dedroom, west), hasVisited(bedroom, south)*

| *hasExit(x, y)* | ¬*hasExit(x, y)* | *hasVisited(x, y)* | ¬*hasVisited(x, y)* | *hasCoin(x, y)* | ¬*hasCoin(x, y)* |

0.5   *0.5*   *0.99*

0.99

0.83   *0.17*

— Logic: *go(x,y)*
— Logic: *take(x)*

0.99

go(x, y) ← hasExit(x, y)∧¬hasVisited(x, y)∧¬hasCoin(x)   *take(x) ← hasCoin(x)*

Posible actions: *go(x, west), go(x, north)*

Final sampled output action: *go west*