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A Water Jug Problem

The agent is given two jugs, a 4-gallon one and a 3-gallon one. Neither has any measuring markers on it. There is an infinite source/sink of water. How can the agent get exactly 1 gallon of water into the 3-gallon jug?

- How would you represent state? How many states can be represented?
- What is the initial state?
- What is the goal state? How many states satisfy the goal test?
- What are the actions?
- What is the path cost?

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