

[Course](#) > [Week 4](#) > [Lecture...](#) > Quiz 4: ...

## Quiz 4: Backtracking Search

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2/2 points (ungraded)

#### Part 1

Backtracking search is essentially depth-first search with some additional properties. Which of the following are additional properties of backtracking search?

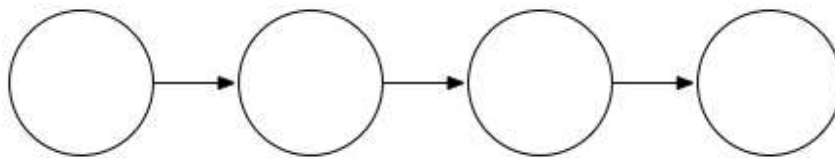
☒ Variable ordering

☒ Failure on violation



#### Part 2

Let's consider backtracking search on the graph shown below, where each node gets selected in left-to-right order. Each node can take on 3 colors, and the constraints are just that adjacent nodes must take on different colors. How many times will backtracking search have to backtrack (i.e. how often will it have to go up a level in the search tree)?



0



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✓ Correct (2/2 points)

