1. Which of the problems cannot be solved by using the backtracking algorithm?
2. The backtracking algorithm is implemented by constructing a tree of choices called:
3. In what manner is a state-space tree for the backtracking algorithm constructed?
4. The leaves in a state-space tree represent only complete solutions:
5. The problem of finding a path in a graph that visits every vertex exactly once is called:
6. What happens when the backtracking algorithm reaches a complete solution?:
7. Which of the following statements is true about backtracking and brute force algorithms?:
8. The complexity of generating all possible permutations using the backtracking algorithm is:
9. The complexity of the N-queens problem using the backtracking algorithm:
10. What are common pitfalls to avoid when designing and implementing a backtracking algorithm?
11. Which type of problem can be solved using the backtracking algorithm if the goal is to find all possible permutations of a set of elements?
12. What is the primary advantage of using the backtracking algorithm to solve a problem?
13. What type of problem is Hamilton circuit problem?