

1. You are climbing a staircase. It takes n steps to reach the top. Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?

2. Longest palindromic substring

3. maximum-product-subarray

4. longest-increasing-subsequence

5. partition-equal-subset-sum

6. Longest Common Subsequence

7. best-time-to-buy-and-sell-stock-with-cooldown

8. interleaving-string

9. longest-increasing-path-in-a-matrix

10 . unique-paths problem

11. longest-palindromic-subsequence

12. edit-distance

13. Coin Change Problem

14 . Word Break Using Memoization

15. Egg Dropping Puzzle

16. Wildcard Pattern Matching

17. all subsets of a set.

18. permutations of a string

19. Implement an algorithm to print all valid (e.g., properly opened and closed) combinations of n pairs of parentheses.

20. pascals-triangle