Best Leetcode DYNAMIC PROGRAMMING Problems

Linear DP

1. Decode Ways

2. Unique Binary Search Trees

3. Best Time to Buy and Sell Stock

4. Best Time to Buy and Sell Stock III

5. House Robber

6. Perfect Squares

7. Best Time to Buy and Sell Stock with Cooldown

8. Coin Change

9. Counting Bits

10. Integer Break

11. Count Numbers with Unique Digits

12. Wiggle Subsequence

13. Partition Equal Subset Sum

14. Coin Change II

15. Student Attendance Record II

16. Decode Ways II

17. Maximum Length of Pair Chain

18. Best Time to Buy and Sell Stock with Transaction Fee

19. Delete and Earn

20. Domino and Tromino Tiling

21. Knight Dialer

22. Triples with Bitwise AND Equal To Zero

23. Minimum Cost For Tickets

24. Divisor Game

25. Partition Array for Maximum Sum

String and DP

1. Longest Valid Parentheses

2. Distinct Subsequences

3. Palindrome Partitioning

4. Palindrome Partitioning II

5. Word Break

6. Word Break II

7. Is Subsequence

8. Count The Repetitions

9. Unique Substrings in Wraparound String

10. Concatenated Words

11. Minimum ASCII Delete Sum for Two Strings

12. Count Different Palindromic Subsequences

13. Distinct Subsequences II

14. Longest String Chain

15. Longest Chunked Palindrome Decomposition

16. Longest Happy String

17. Palindrome Partitioning III

18. Find All Good Strings

19. String Compression II

20. Number of Ways to Form a Target String Given a Dictionary

DP With Tree And Graphs

1. Unique Binary Search Trees II
2. House Robber III
3. Cheapest Flights Within K Stops
4. Find the Shortest Superstring
5. Binary Tree Cameras
6. Kth Ancestor of a Tree Node
7. Maximum Product of Splitted Binary Tree
8. Longest ZigZag Path in a Binary Tree
9. Maximum Sum BST in Binary Tree
10. Linked List in Binary Tree
11. Number of Ways to Reorder Array to Get Same BST

Grid Based DP

1. Unique Paths
2. Unique Paths II
3. Minimum Path Sum

4. Dungeon Game

5. Kth Smallest Instructions

6. Cherry Pickup

7. Number of Paths with Max Score

8. Where Will the Ball Fall

9. Number of Ways to Paint N × 3 Grid

10. Cherry Pickup II

11. Maximum Non Negative Product in a Matrix

Classical DP

1. Longest Palindromic Substring

2. Regular Expression Matching

3. Wildcard Matching

4. Maximum Subarray

5. Edit Distance

6. Maximal Rectangle

7. Interleaving String

8. Maximum Product Subarray

9. Longest Increasing Subsequence

10. Range Sum Query - Immutable

11. Range Sum Query 2D - Immutable

12. Russian Doll Envelopes

13. Max Sum of Rectangle No Larger Than K

14. Largest Divisible Subset

15. Longest Palindromic Subsequence

16. Number of Longest Increasing Subsequence

17. Maximum Length of Repeated Subarray

18. Largest Plus Sign

19. Length of Longest Fibonacci Subsequence

20. Bitwise ORs of Subarrays

21. Delete Columns to Make Sorted III

22. Longest Turbulent Subarray

23. Number of Submatrices That Sum to Target

24. Shortest Common Supersequence

25. Longest Common Subsequence

26. Maximum Subarray Sum with One Deletion

27. Make Array Strictly Increasing

28. K-Concatenation Maximum Sum

29. Maximum Height by Stacking Cuboids

30. Minimum Insertion Steps to Make a String Palindrome

31. Max Dot Product of Two Subsequences

32. Minimum Number of Removals to Make Mountain Array

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