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Dynamic Programming

Dynamic programming is both a mathematical optimization method and a computer programming method. In both contexts it refers to simplifying a complicated problem by breaking it down i... [Expand](#) ↕



Dynamic...

Dynamic Programming II Premium

Easy

Medium

Hard

0
5

0
42

0
2

1 / 21
days

Day 1 Basics of Dynamic Programming

509. Fibonacci Number

Easy

Math

Dynamic Programming

Recursion

Memoization

Acceptance 67.8%

[Start Now](#) >>

70. Climbing Stairs

Easy

Math

Dynamic Programming

Memoization

Acceptance 50.1%

[Start Now](#) >>

746. Min Cost Climbing Stairs

Easy

Array

Dynamic Programming

Acceptance 56.1%

[Start Now](#) >>

Day 2 One Dimensional Dynamic Programming

53. Maximum Subarray

Easy

Array

Divide and Conquer

Dynamic Programming

Acceptance 49.0%

Locked 🔒

198. House Robber

Medium

Array

Dynamic Programming

Acceptance 45.1%

Locked 🔒



Acceptance 38.9%

Locked

Day 3 One Dimensional Dynamic Programming

256. Paint House

Medium

Array Dynamic Programming

Acceptance 56.9%

Locked

265. Paint House II

Hard

Array Dynamic Programming

Acceptance 48.7%

Locked

121. Best Time to Buy and Sell Stock

Easy

Array Dynamic Programming

Acceptance 53.0%

Locked

Day 4 One Dimensional Dynamic Programming

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

Medium

Array Dynamic Programming Greedy

Acceptance 60.3%

Locked

309. Best Time to Buy and Sell Stock with Cooldown

Medium

Array Dynamic Programming

Acceptance 50.8%

Locked

152. Maximum Product Subarray

Medium

Array Dynamic Programming

Acceptance 33.7%

Locked

Day 5 One Dimensional Dynamic Programming

487. Max Consecutive Ones II

Medium

Array Dynamic Programming Sliding Window

Acceptance 48.3%

Locked

376. Wiggle Subsequence

Medium

Array Dynamic Programming Greedy



Day 6 One Dimensional Dynamic Programming

1746. Maximum Subarray Sum After One Operation

Medium

Array Dynamic Programming

Acceptance 61.0%

Locked

1230. Toss Strange Coins

Medium

Math Dynamic Programming Probability and Statistics

Acceptance 51.6%

Locked

Day 7 Dynamic Programming on String

1143. Longest Common Subsequence

Medium

String Dynamic Programming

Acceptance 58.8%

Locked

1035. Uncrossed Lines

Medium

Array Dynamic Programming

Acceptance 57.1%

Locked

Day 8 Dynamic Programming on String

712. Minimum ASCII Delete Sum for Two Strings

Medium

String Dynamic Programming

Acceptance 60.7%

Locked

300. Longest Increasing Subsequence

Medium

Array Binary Search Dynamic Programming

Acceptance 47.5%

Locked

Day 9 Dynamic Programming on String

673. Number of Longest Increasing Subsequence

Medium

Array Dynamic Programming Binary Indexed Tree Segment Tree

Acceptance 39.8%

Locked

1048. Longest String Chain

Medium

Array Hash Table Two Pointers String Dynamic Programming



Day 10 Dynamic Programming on String

646. Maximum Length of Pair Chain

Medium

Array

Dynamic Programming

Greedy

Sorting

Acceptance 54.9%

Locked

368. Largest Divisible Subset

Medium

Array

Math

Dynamic Programming

Sorting

Acceptance 40.1%

Locked

Day 11 Dynamic Programming on String

647. Palindromic Substrings

Medium

String

Dynamic Programming

Acceptance 63.8%

Locked

5. Longest Palindromic Substring

Medium

String

Dynamic Programming

Acceptance 31.5%

Locked

Day 12 Dynamic Programming on String

1055. Shortest Way to Form String

Medium

String

Dynamic Programming

Greedy

Acceptance 57.9%

Locked

516. Longest Palindromic Subsequence

Medium

String

Dynamic Programming

Acceptance 58.1%

Locked

Day 13 Min/Max Path Sum

64. Minimum Path Sum

Medium

Array

Dynamic Programming

Matrix

Acceptance 58.2%

Locked

562. Longest Line of Consecutive One in Matrix

Medium

Array

Dynamic Programming

Matrix

Acceptance 48.4%

Locked



Array

Binary Search

Dynamic Programming

Acceptance 54.3%

Locked

Day 14 Classic Dynamic Programming Problems

343. Integer Break

Medium

Math

Dynamic Programming

Acceptance 52.7%

Locked

238. Product of Array Except Self

Medium

Array

Prefix Sum

Acceptance 62.8%

Locked

Day 15 Memoization

139. Word Break

Medium

Hash Table

String

Dynamic Programming

Trie

Memoization

Acceptance 43.4%

Locked

254. Factor Combinations

Medium

Array

Backtracking

Acceptance 48.3%

Locked

329. Longest Increasing Path in a Matrix

Hard

Dynamic Programming

Depth-First Search

Breadth-First Search

Graph

Acceptance 48.4%

Locked

Day 16 Unique Paths

62. Unique Paths

Medium

Math

Dynamic Programming

Combinatorics

Acceptance 58.6%

Locked

63. Unique Paths II

Medium

Array

Dynamic Programming

Matrix

Acceptance 36.7%

Locked

Day 17 Out of Boundary Paths



Acceptance 39.8%

Locked

650. 2 Keys Keyboard

Medium

Math

Dynamic Programming

Acceptance 51.6%

Locked

361. Bomb Enemy

Medium

Array

Dynamic Programming

Matrix

Acceptance 49.1%

Locked

Day 18 Unique Binary Search Trees

96. Unique Binary Search Trees

Medium

Math

Dynamic Programming

Tree

Binary Search Tree

Binary Tree

Acceptance 57.2%

Locked

1130. Minimum Cost Tree From Leaf Values

Medium

Dynamic Programming

Stack

Greedy

Monotonic Stack

Acceptance 68.2%

Locked

Day 19 Coin Change / Combination Sum

322. Coin Change

Medium

Array

Dynamic Programming

Breadth-First Search

Acceptance 39.1%

Locked

518. Coin Change 2

Medium

Array

Dynamic Programming

Acceptance 55.3%

Locked

Day 20 Coin Change / Combination Sum

39. Combination Sum

Medium

Array

Backtracking

Acceptance 62.8%

Locked

279. Perfect Squares

Medium

Math

Dynamic Programming

Breadth-First Search



Day 21 Partition Equal Subset Sum

416. Partition Equal Subset Sum

Medium

Array

Dynamic Programming

Acceptance 45.7%

Locked

494. Target Sum

Medium

Array

Dynamic Programming

Backtracking

Acceptance 45.3%

Locked

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