

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 into simpler sub-problems in a recursive manner. While some decision problems cannot be taken apart this way, decisions that span several points in time do often break apart recursively.

Collapse 



Dynamic...

Dynamic Programming I

Easy

Medium

Hard

0

9

0

35

0

2

1 / 21
day

Day 1

509. Fibonacci Number

Easy

Math Dynamic Programming Recursion Memoization

Acceptance 69.1%

[Start Now >>](#)

1137. N-th Tribonacci Number

Easy

Math Dynamic Programming Memoization

Acceptance 63.3%

[Start Now >>](#)

Day 2

70. Climbing Stairs

Easy

Math Dynamic Programming Memoization

Acceptance 51.6%

Locked 

746. Min Cost Climbing Stairs

Easy

Array Dynamic Programming

Acceptance 61.7%

Locked 

Day 3

198. House Robber

Medium

Array Dynamic Programming

Acceptance 48.2%

Locked 

213. House Robber II

Medium

Array Dynamic Programming

Acceptance 40.4%

Locked 

740. Delete and Earn

Medium

ArrayHash TableDynamic Programming

Acceptance 57.4%

Locked

Day 4

55. Jump Game

Medium

ArrayDynamic ProgrammingGreedy

Acceptance 38.2%

Locked

45. Jump Game II

Medium

ArrayDynamic ProgrammingGreedy

Acceptance 38.1%

Locked

Day 5

53. Maximum Subarray

Medium

ArrayDivide and ConquerDynamic Programming

Acceptance 49.8%

Locked

918. Maximum Sum Circular Subarray

Medium

ArrayDivide and ConquerDynamic ProgrammingQueueMonotonic Queue

Acceptance 37.8%

Locked

Day 6

152. Maximum Product Subarray

Medium

ArrayDynamic Programming

Acceptance 34.8%

Locked

1567. Maximum Length of Subarray With Positive Product

Medium

ArrayDynamic ProgrammingGreedy

Acceptance 43.5%

Locked

Day 7

1014. Best Sightseeing Pair

Medium

ArrayDynamic Programming

Acceptance 59.4%

Locked

121. Best Time to Buy and Sell Stock

Easy

ArrayDynamic Programming

Acceptance 54.4%

Locked

122. Best Time to Buy and Sell Stock II

Medium

Array Dynamic Programming Greedy

Acceptance 62.8%

Locked

Day 8

309. Best Time to Buy and Sell Stock with Cooldown Medium

Array Dynamic Programming

Acceptance 53.8%

Locked

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

Array Dynamic Programming Greedy

Acceptance 63.6%

Locked

Day 9

139. Word Break Medium

Hash Table String Dynamic Programming Trie Memoization

Acceptance 45.1%

Locked

42. Trapping Rain Water Hard

Array Two Pointers Dynamic Programming Stack Monotonic Stack

Acceptance 57.6%

Locked

Day 10

413. Arithmetic Slices Medium

Array Dynamic Programming

Acceptance 64.9%

Locked

91. Decode Ways Medium

String Dynamic Programming

Acceptance 31.0%

Locked

Day 11

264. Ugly Number II Medium

Hash Table Math Dynamic Programming Heap (Priority Queue)

Acceptance 45.9%

Locked

96. Unique Binary Search Trees Medium

Math Dynamic Programming Tree Binary Search Tree Binary Tree

Acceptance 58.9%

Locked

Day 12

118. Pascal's Triangle

Easy

ArrayDynamic Programming

Acceptance 67.9%

Locked

119. Pascal's Triangle II

Easy

ArrayDynamic Programming

Acceptance 58.9%

Locked

Day 13

931. Minimum Falling Path Sum

Medium

ArrayDynamic ProgrammingMatrix

Acceptance 68.1%

Locked

120. Triangle

Medium

ArrayDynamic Programming

Acceptance 53.4%

Locked

Day 14

1314. Matrix Block Sum

Medium

ArrayMatrixPrefix Sum

Acceptance 75.4%

Locked

304. Range Sum Query 2D - Immutable

Medium

ArrayDesignMatrixPrefix Sum

Acceptance 51.6%

Locked

Day 15

62. Unique Paths

Medium

MathDynamic ProgrammingCombinatorics

Acceptance 61.7%

Locked

63. Unique Paths II

Medium

ArrayDynamic ProgrammingMatrix

Acceptance 38.9%

Locked

Day 16

64. Minimum Path Sum

Medium

ArrayDynamic ProgrammingMatrix

Acceptance 60.2%

Locked

221. Maximal Square

Medium

Array Dynamic Programming Matrix

Acceptance 44.1%

Locked 

Day 17

5. Longest Palindromic Substring

Medium

String Dynamic Programming

Acceptance 32.3%

Locked 

516. Longest Palindromic Subsequence

Medium

String Dynamic Programming

Acceptance 60.3%

Locked 

Day 18

300. Longest Increasing Subsequence

Medium

Array Binary Search Dynamic Programming

Acceptance 51.2%

Locked 

376. Wiggle Subsequence

Medium

Array Dynamic Programming Greedy

Acceptance 48.1%

Locked 

Day 19

392. Is Subsequence

Easy

Two Pointers String Dynamic Programming

Acceptance 50.1%

Locked 

1143. Longest Common Subsequence

Medium

String Dynamic Programming

Acceptance 58.9%

Locked 

72. Edit Distance

Hard

String Dynamic Programming

Acceptance 52.0%

Locked 

Day 20

322. Coin Change

Medium

Array Dynamic Programming Breadth-First Search

Acceptance 41.1%

Locked 

518. Coin Change 2

Medium

Array Dynamic Programming

Acceptance 59.1%

Locked 

Day 21

377. Combination Sum IV

Medium

Array Dynamic Programming

Acceptance 51.8%

Locked 

343. Integer Break

Medium

Math Dynamic Programming

Acceptance 54.9%

Locked 

279. Perfect Squares

Medium

Math Dynamic Programming Breadth-First Search

Acceptance 52.2%

Locked