

LeetCode 面试高频算法类型刷题总结

高频算法

常考高频算法类型	力扣对应题目编号
链表类	Leetcode 206 Reverse Linked List Leetcode 146 LRU Cache Leetcode 141 Linked List Cycle Leetcode 328 Odd Even Linked List Leetcode 725 Split Linked List in Parts Leetcode 445 Add Two Number II Leetcode 19 Remove Nth Node From End of List Leetcode 143 Reorder List Leetcode 287 Find the Duplicate Number Leetcode 138 Copy List with Random Pointer Leetcode 21 Merge Two Sorted Lists Leetcode 1570 Dot Product of Two Sparse Vectors Leetcode 92 Reverse Linked List II Leetcode 160 Intersection of Two Linked Lists Leetcode 83 Remove Duplicates from Sorted List Leetcode 430 Flatten a Multilevel Doubly Linked List Leetcode 876 Middle of the Linked List Leetcode 142 Linked List Cycle II Leetcode 234 Palindrome Linked List

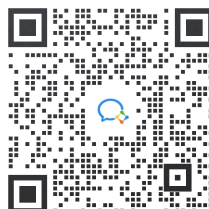
堆	Leetcode 264 Ugly Number II Leetcode 169 Majority Element Leetcode 88 Merge Sorted Arrays Leetcode 767 Reorganize String Leetcode 23 Merge K Sorted Lists Leetcode 692 Top K Frequent Words Leetcode 973 K Closest Points Leetcode 1086 High Five Leetcode 295 Find Median from Data Stream Leetcode 253 Meeting Room Leetcode 347 Top k Largest Elements Leetcode 1086 High Five Leetcode 895 Maximum Frequency Stack Leetcode 264 Ugly Number II Leetcode 378 Kth Smallest Element in a Sorted Matrix
排列类	Leetcode 27 Remove elements Leetcode 765 Couples Holding Hands Leetcode 912 Sort an Array Leetcode 179 Largest Number Leetcode 207 Course Schedule Leetcode 56 Merge Intervals Leetcode 4 Median of Two Sorted Arrays Leetcode 210 Course Schedule II Leetcode 57 Insert Interval Leetcode 215 Kth Largest Element Leetcode 75 Sort Colors Leetcode 41 First Missing Positive Leetcode 269 Alien Dictionary Leetcode 148 Sort List

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<p>栈</p>	<p>Leetcode 1472 Design Browser History</p> <p>Leetcode 150 Evaluate Reverse Polish Notation</p> <p>Leetcode 739 Daily Temperatures</p> <p>Leetcode 895 Maximum Frequency Stack</p> <p>Leetcode 173 Binary Search Tree Iterator</p> <p>Leetcode 1249 Minimum Remove to Make Valid Parentheses</p> <p>Leetcode 71 Simplify Path</p> <p>Leetcode 84 Largest Rectangle in Histogram</p> <p>Leetcode 32 Longest Valid Parentheses</p> <p>Leetcode 20 Valid Parentheses</p> <p>Leetcode 341 Flatten Nested List Iterator</p> <p>Leetcode 1209 Remove All Adjacent Duplicates In String II</p> <p>Leetcode 735 Asteroid Collision</p> <p>Leetcode 155 Min Stack</p> <p>Leetcode 232 Implement Queue using Stacks</p> <p>Leetcode 1047 Remove All Adjacent Duplicates In String</p> <p>Leetcode 907 Sum of Subarray Minimums</p> <p>Leetcode 921 Minimum Add to Make Parentheses Valid</p> <p>Leetcode 2281 Sum of Total Strength of Wizards</p> <p>Leetcode 316 Remove Duplicate Letters</p> <p>Leetcode 636 Exclusive Time Functions</p> <p>Leetcode 856 Score of Parentheses</p>
<p>哈希表</p>	<p>Leetcode 1930 Unique Length-3 Palindromic Subsequences</p> <p>Leetcode 202 Happy Number</p> <p>Leetcode 383 Ransom Note4</p> <p>Leetcode 350 Intersection of Two Arrays II</p> <p>Leetcode 49 Group Anagrams</p> <p>Leetcode 299 Bulls and Cows</p> <p>Leetcode 249 Group Shifted Strings</p> <p>Leetcode 2013 Detect Squares</p> <p>Leetcode 535 Encode and Decode TinyURL</p> <p>Leetcode 146 LRU Cache</p> <p>Leetcode 12 Integer to Roman</p> <p>Leetcode 73 Set Matrix Zeroes</p> <p>Leetcode 128 Longest Consecutive Sequence</p> <p>Leetcode 349 Intersection of Two Arrays</p> <p>Leetcode 1 Two Sum</p>

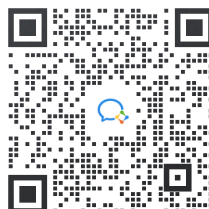
双指针	Leetcode 454 4Sum II
	Leetcode 409 Longest Palindrome
	Leetcode 189 Rotate Array
	Leetcode 443 String Compression
	Leetcode 680 Valid Palindrome II
	Leetcode 234 Palindrome Linked List
	Leetcode 244 Shortest Word Distance II
	Leetcode 5 Longest Palindromic Substring
	Leetcode 76 Minimum Window Substring
	Leetcode 125 Valid Palindrome
	Leetcode 986 Interval List Intersections
	Leetcode 19 Remove Nth Node From End of List
	Leetcode 167 Two Sum II - Input array is sorted
	Leetcode 42 Trapping Rain Water
	Leetcode 11 Container With Most Water
	Leetcode 424 Longest Repeating Character Replacement
	Leetcode 18 4Sum
	Leetcode 143 Reorder List
	Leetcode 15 3Sum
	Leetcode 881 Boats to Save People
	Leetcode 3 Longest Substring Without Repeating Characters
	Leetcode 202 Happy Number
	Leetcode 151 Reverse Words in a String
	Leetcode 142 Linked List Cycle II
	Leetcode 283 Move Zeroes
	Leetcode 16 3Sum Closest
	Leetcode 277 Find the Celebrity
	Leetcode 26 Remove Duplicate Numbers in Array
	Leetcode 287 Find the Duplicate Number
	Leetcode 395 Longest Substring with At Least K Repeating Characters
	Leetcode 340 Longest Substring with At Most K Distinct Characters
	Leetcode 141 Linked List Cycle

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二分法	<p> Leetcode 704 Binary Search Leetcode 1062 Longest Repeating Substring Leetcode 300 Longest Increasing Subsequence Leetcode 1552 Magnetic Force Between Two Balls Leetcode 74 Search a 2D Matrix Leetcode 400 Nth Digit Leetcode 240 Search a 2D Matrix II Leetcode 34 Find First and Last Position of Element in Sorted Array Leetcode 196 Missing Number Leetcode 278 First Bad Version Leetcode 528 Random Pick with Weight Leetcode 447 Search in a Big Sorted Array Leetcode 1300 Sum of Mutated Array Closest to Target Leetcode 540 Single Element in a Sorted Array Leetcode 585 Maximum Number in Mountain Sequence Leetcode 1760 Minimum Limit of Balls in a Bag Leetcode 1891 Cutting Ribbons Leetcode 378 Kth Smallest Element in a Sorted Matrix Leetcode 33 Search in Rotated Sorted Array Leetcode 162 Find Peak Element Leetcode 61 Search for a Range Leetcode 1095 Find in Mountain Array Leetcode 1060 Missing Element in Sorted Array Leetcode 160 Find Minimum in Rotated Sorted Array Leetcode 81 Search in Rotated Sorted Array II Leetcode 644 Maximum Average Subarray II </p>
队列	<p> Leetcode 346 Moving Average from Data Stream Leetcode 281 Zigzag Iterator Leetcode 54 Spiral Matrix Leetcode 362 Design Hit Counter Leetcode 225 Implement Stack using Queues Leetcode 1429 First Unique Number Leetcode 622 Design Hit Counter Leetcode 1696 Jump Game VI Leetcode 1438 Longest Continuous Subarray with Absolute Diff Less Than or Equal to Limit Leetcode 239 Sliding Window Maximum Leetcode 862 Shortest Subarray with Sum at Least K Leetcode 950 Reveal Cards In Increasing Order Leetcode 936 Stamping The Sequence </p>

宽度优
先搜索

Leetcode 490 The Maze
Leetcode 111 Minimum Depth of Binary Tree
Leetcode 433 Minimum Genetic Mutation
Leetcode 322 Coin Change
Leetcode 200 Number of Islands
Leetcode 2059 Min Operation to Convert Number
Leetcode 815 Bus Routes
Leetcode 616 Course Schedule II
Leetcode 1345 Jump Game IV
Leetcode 1346 Jump Game III
Leetcode 323 Connected Component in Undirected Graph
Leetcode 297 Serialize and Deserialize Binary Tree
Leetcode 207 Course Schedule
Leetcode 1091 Shortest Path in Binary Matrix
Leetcode 127 Word Ladder
Leetcode 752 Open the Lock
Leetcode 909 Snakes and Ladders
Leetcode 137 Clone Graph
Leetcode 1091 Shortest Path in Binary Matrix
Leetcode 892 Alien Dictionary
Leetcode 130 Surrounded Regions
Leetcode 102 Binary Tree Level Order Traversal
Leetcode 103 Binary Tree Zigzag Level Order Traversal

Leetcode 1293 Shortest Path in a Grid with Obstacles Elimination

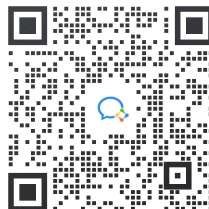
Leetcode 366 Find Leaves of Binary Tree
Leetcode 133 Clone Graph
Leetcode 444 Sequence Reconstruction
Leetcode 542 01 Matrix
Leetcode 1765 Map of Highest Peak
Leetcode 269 Alien Dictionary
Leetcode 310 Minimum Height Trees
Leetcode 994 Rotting Oranges
Leetcode 102 Binary Tree Level Order Traversal
Leetcode 120 Word Ladder

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深度
优先搜
索

Leetcode 93 Restore IP Addresses
Leetcode 543 Diameter of Binary Tree
Leetcode 124 Binary Tree Maximum Path Sum
Leetcode 77 Combinations
Leetcode 1110 Delete Nodes And Return Forest
Leetcode 694 Number of Distinct Islands
Leetcode 236 Lowest Common Ancestor of a Binary Tree
Leetcode 1485 Clone Binary Tree With Random Pointer
Leetcode 105 Construct Binary Tree from Preorder and Inorder Traversal
Leetcode 22 Generate Parentheses
Leetcode 37 Sudoku Solver
Leetcode 987 Vertical Order Traversal of a Binary Tree
Leetcode 104 Maximum Depth of Binary Tree
Leetcode 394 Decode String
Leetcode 1376 Time Needed to Inform All Employees
Leetcode 863 All Nodes Distance K in Binary Tree
Leetcode 131 Palindrome Partitioning
Leetcode 951 Flip Equivalent Binary Trees
Leetcode 586 Score of Parentheses
Leetcode 698 Partition to K Equal Sum Subsets
Leetcode 226 Invert Binary Tree
Leetcode 399 Evaluate Division
Leetcode 39 Combination Sum
Leetcode 572 Subtree of Another Tree
Leetcode 526 Beautiful Arrangement
Leetcode 301 Remove Invalid Parentheses
Leetcode 17 Letter Combinations of a Phone Number
Leetcode 101 Symmetric Tree
Leetcode 46 Permutation
Leetcode 1274 Number of Ships in a Rectangle
Leetcode 341 Flatten Nested List Iterator (339 364)

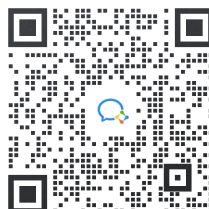
记忆化 搜索	Leetcode 472 Concatenated Words Leetcode 377 Combination Sum IV Leetcode 124 Longest Consecutive Sequence Leetcode 403 Frog Jump Leetcode 1216 Valid Palindrome III Leetcode 72 Edit Distance Leetcode 192 Wildcard Matching Leetcode 97 Interleaving String Leetcode 109 Triangle Leetcode 1235 Maximum Profit in Job Scheduling Leetcode 829 Word Pattern II Leetcode 139 Word Break II Leetcode 1335 Minimum Difficulty of a Job Schedule Leetcode 154 Regular Expression Matching Leetcode 329 Longest Increasing Path in a Matrix
二叉 搜索树	Leetcode 235 Lowest Common Ancestor of a Binary Search Tree Leetcode 108 Convert Sorted Array to Binary Search Tree Leetcode 285 Inorder Successor in BST Leetcode 333 Largest BST Subtree Leetcode 98 Validate Binary Search Tree Leetcode 230 Kth Smallest element in a BST Leetcode 669 Trim a Binary Search Tree Leetcode 270 Closest Binary Search Tree Value Leetcode 95 Unique Binary Search Tree II Leetcode 700 Search in a Binary Search Tree
前缀和	Leetcode 53 Maximum Subarray Leetcode 1423 Maximum Points You Can Obtain from Cards Leetcode 523 Continuous Subarray Sum Leetcode 1248 Count Number of Nice Subarray Leetcode 560 Subarray Sum Equals K Leetcode 303 Range Sum Query - Immutable Leetcode 304 Range Sum Query 2D - Immutable Leetcode 1031 Maximum Sum of Two Non-Overlapping Subarrays

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滑动窗口	Leetcode 992 Subarrays with K Different Integers Leetcode 862 Shortest Subarray with Sum at Least K Leetcode 567 Permutation in String Leetcode 438 Find All Anagrams in a String Leetcode 1004 Max Consecutive Ones III Leetcode 239 Sliding Window Maximum Leetcode 480 Sliding Window Median Leetcode 76 Minimum Window Substring Leetcode 1044 Max Consecutive Ones III
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中频算法

常考中频算法类型	力扣对应题目编号
单调队列 单调栈	Leetcode 122 Largest Rectangle in Histogram Leetcode 85 Maximum Rectangle Leetcode 739 Daily Temperatures Leetcode 735 Asteroid Collision Leetcode 239 Sliding Window Maximum Leetcode 901 Online Stock Span Leetcode 253 Meeting Rooms II Leetcode 907 Sum of Subarray Minimums Leetcode 496 Next Greatest Element I Leetcode 862 Shortest Subarray with Sum at Least K Leetcode 1762 Buildings With an Ocean View Leetcode 654 Maximum Binary Tree Leetcode 2104 Sum of Subarray Ranges Leetcode 503 Next Greater Element II Leetcode 510 Maximal Rectangle Leetcode 84 Largest Rectangle in Histogram Leetcode 456 132 Pattern Leetcode 2281 Sum of Total Strength of Wizards

字典树

Leetcode 79 Word Search
Leetcode 745 Prefix and Suffix Search
Leetcode 211 Design Add and Search Words Data Structure
Leetcode 14 Longest Common Prefix
Leetcode 677 Map Sum Pairs
Leetcode 874 Walking Robot Simulation
Leetcode 720 Longest Word in Dictionary
Leetcode 212 Word Search II
Leetcode 132 Palindrome Partitioning
Leetcode 208 Implement Trie (Prefix Tree)
Leetcode 1268 Search Suggestions System

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动态规划

Leetcode 712 Minimu ASCII Delete Sum for Two Strings
Leetcode 1043 Partition Array for Maximum Sum
Leetcode 322 Coin Change Java Solution
Leetcode 45 Jump Game II
Leetcode 55 Jump Game Java Solution
Leetcode 139 Word Break Java Solution
Leetcode 322 Coin Change
Leetcode 740 Delete and Earn
Leetcode 312 Burst Balloons
Leetcode 72 Edit Distance
Leetcode 1048 Longest String Chain
Leetcode 256 Paint House
Leetcode 198 House Robber
Leetcode 87 Scramble String
Leetcode 32 Longest Valid Parentheses
Leetcode 70 Climbing Stairs
Leetcode 62 Unique Paths Java Solution
Leetcode 1140 Stone Game II
Leetcode 639 Decode Ways II
Leetcode 121 Best Time to Buy and Sell Stock
Leetcode 91 Decode Ways
Leetcode 221 Maximal Square
Leetcode 64 Minimum Path Sum
Leetcode 10 Regular Expression Matching
Leetcode 300 Longest Increasing Subsequence
Leetcode 174 Dungeon Game
Leetcode 44 Wildcard Matching
Leetcode 132 Palindrome Partitioning II
Leetcode 115 Distinct Subsequences
Leetcode 368 Largest Divisible Subset
Leetcode 55 Jump Game
Leetcode 213 House Robber II
Leetcode 926 Flip String to Monotone Increasing
Leetcode 1143 Longest Common Subsequence

并查集	Leetcode 684 Redundant Connection Leetcode 547 Number of Provinces Leetcode 352 Data Stream as Disjoint Intervals Leetcode 323 Number of Connected Components in an Undirected Graph Leetcode 990 Satisfiability of Equality Equations Leetcode 200 Number of Islands Leetcode 721 Accounts Merge Leetcode 130 Surrounded Regions Leetcode 737 Sentence Similarity II Leetcode 827 Making A Large Island Leetcode 305 Number of Islands II
扫描线 算法	Leetcode 699 Falling Squares Leetcode 253 Meeting Room II Leetcode 732 My Calendar III Leetcode 870 Advantage Shuffle Leetcode 850 Rectangle Area II Leetcode 715 Range Module Leetcode 759 Employee Free Time Leetcode 218 The Skyline Problem Leetcode 920 Number of Music Playlists
TreeMap	Leetcode 352 Data Stream as Disjoint Intervals Leetcode 729 My Calendar I Leetcode 846 Hand of Straights Leetcode 363 Max Sum of Sub-Matrix No Larger Than K Leetcode 318 Count of Smaller Numbers After Self Leetcode 307 Range Sum Query - Mutable Leetcode 218 The Skyline Problem Leetcode 480. Sliding Window Median Leetcode 981 Time Based Key-Value Store Leetcode 315 Count of Smaller Numbers After Self Leetcode 362 Design Hit Counter

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