|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Array** | | | | |
|  | **Basic** |  |  |  |
| 27 | Remove Element |  |
| 26 | Remove Duplicates from Sorted Array |  |
| 80 | Remove Duplicates from Sorted Array II |  |
| 277 | Find the Celebrity |  |
| 189 | Rotate Array |  |
| 41 | First Missing Positive |  |
| 299 | Bulls and Cows |  |
| 134 | Gas Station |  |
| 118 | Pascal's Triangle | nu |
| 119 | Pascal's Triangle II | nu |
| 169 | Majority Element | nu |
| 229 | Majority Element II | nu |
| 274 | H-Index |  |
| 275 | H-Index II | Binary Search |
| 243 | Shortest Word Distance |  |
| 244 | Shortest Word Distance II |  |
| 245 | Shortest Word Distance III |  |
| 217 | Contains Duplicate |  |
| 219 | Contains Duplicate II | nu |
| 220 | Contains Duplicate III | nu |
| 55 | Jump Game |  |
| 45 | Jump Game II |  |
|  |  |  |



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| --- | --- | --- | --- | --- |
|  | 121 | Best Time to Buy and Sell Stock |  |  |
| 122 | Best Time to Buy and Sell Stock II |  |
| 123 | Best Time to Buy and Sell Stock III |  |
| 188 | Best Time to Buy and Sell Stock IV |  |
| 309 | Best Time to Buy and Sell Stock with Cooldown |  |
| 11 | Container With Most Water |  |
| 42 | Trapping Rain Water |  |
| 334 | Increasing Triplet Subsequence |  |
| 128 | Longest Consecutive Sequence |  |
| 164 | Maximum Gap | Bucket |
| 287 | Find the Duplicate Number |  |
| 135 | Candy | nu |
| 330 | Patching Array | nu |
|  |  |  |
| ൉ṛ |  |  |
| 4 | Median of Two Sorted Arrays |  |
| 321 | Create Maximum Number | nu |
| 327 | Count of Range Sum | nu |
| 289 | Game of Life |  |
|  |  |  |
| Interval |  |  |
| 57 | Insert Interval |  |
| 56 | Merge Intervals |  |
| 252 | Meeting Rooms |  |
| 253 | Meeting Rooms II |  |
| 352 | Data Stream as Disjoint Intervals | TreeMap |
|  |  |  |



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| --- | --- | --- | --- | --- |
|  | Counter |  |  |  |
| 239 | Sliding Window Maximum |  |
| 295 | Find Median from Data Stream |  |
| 53 | Maximum Subarray |  |
| 325 | Maximum Size Subarray Sum Equals k |  |
| 209 | Minimum Size Subarray Sum |  |
| 238 | Product of Array Except Self |  |
| 152 | Maximum Product Subarray |  |
| 228 | Summary Ranges |  |
| 163 | Missing Ranges |  |
|  |  |  |
| Sort |  |  |
| 88 | Merge Sorted Array |  |
| 75 | Sort Colors |  |
| 283 | Move Zeroes |  |
| 376 | Wiggle Subsequence |  |
| 280 | Wiggle Sort |  |
| 324 | Wiggle Sort II |  |
|  | | | | |



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| --- | --- | --- | --- | --- |
| **String** | | | | |
|  | **चᏐ** |  |  |  |
| 28 | Implement strStr() |  |
| 14 | Longest Common Preﬁx |  |
| 58 | Length of Last Word |  |
| 387 | First Unique Character in a String |  |
| 383 | Ransom Note |  |
| 344 | Reverse String |  |
| 151 | Reverse Words in a String |  |
| 186 | Reverse Words in a String II |  |
| 345 | Reverse Vowels of a String |  |
| 205 | Isomorphic Strings |  |
| 293 | Flip Game |  |
| 294 | Flip Game II |  |
| 290 | Word Pattern |  |
| 242 | Valid Anagram |  |
| 49 | Group Anagrams |  |
| 249 | Group Shifted Strings |  |
| 87 | Scramble String |  |
| 179 | Largest Number | உ੝ᘍ |
| 6 | ZigZag Conversion | உ੝ᘍ |
| 161 | One Edit Distance |  |
| 38 | Count and Say |  |
| 358 | Rearrange String k Distance Apart |  |
| 316 | Remove Duplicate Letters |  |
| 271 | Encode and Decode Strings |  |



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| --- | --- | --- | --- | --- |
|  | 168 | Excel Sheet Column Title |  |  |
| 171 | Excel Sheet Column Number |  |
| 13 | Roman to Integer |  |
| 12 | Integer to Roman |  |
| 273 | Integer to English Words |  |
| 246 | Strobogrammatic Number |  |
| 247 | Strobogrammatic Number II |  |
| 248 | Strobogrammatic Number III | உ੝ᘍ |
|  |  |  |
| ൉ṛ |  |  |
| 68 | Text Justiﬁcation |  |
| 65 | Valid Number |  |
| 157 | Read N Characters Given Read4 |  |
| 158 | Read N Characters Given Read4 II - Call multiple times |  |
|  |  |  |
| Substring |  |  |
| 76 | Minimum Window Substring | Sliding Window |
| 30 | Substring with Concatenation of All Words | Sliding Window |
| 3 | Longest Substring Without Repeating Characters | Sliding Window |
| 340 | Longest Substring with At Most K Distinct Characters | Sliding Window |
| 395 | Longest Substring with At Least K Repeating Characters | Sliding Window |
| 159 | Longest Substring with At Most Two Distinct Characters | Sliding Window |
|  |  |  |
| Palindrome |  |  |
| 125 | Valid Palindrome |  |
| 266 | Palindrome Permutation |  |
|  |  |  |



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| --- | --- | --- | --- | --- |
|  | 5 | Longest Palindromic Substring |  |  |
| 9 | Palindrome Number |  |
| 214 | Shortest Palindrome |  |
| 336 | Palindrome Pairs |  |
| 131 | Palindrome Partitioning |  |
| 132 | Palindrome Partitioning II |  |
| 267 | Palindrome Permutation II |  |
|  |  |  |
| Parentheses |  |  |
| 20 | Valid Parentheses |  |
| 22 | Generate Parentheses |  |
| 32 | Longest Valid Parentheses |  |
| 241 | Diﬀerent Ways to Add Parentheses |  |
| 301 | Remove Invalid Parentheses |  |
|  |  |  |
| Subsequence |  |  |
| 392 | Is Subsequence |  |
| 115 | Distinct Subsequences |  |
| 187 | Repeated DNA Sequences | உ੝ᘍ |
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| **Math** | | | | |
|  | **चᏐ** |  |  |  |
| 7 | Reverse Integer |  |
| 165 | Compare Version Numbers |  |
| 66 | Plus One |  |
| 8 | String to Integer (atoi) |  |
| 258 | Add Digits |  |
| 67 | Add Binary |  |
| 43 | Multiply Strings |  |
| 29 | Divide Two Integers |  |
| 69 | Sqrt(x) |  |
| 50 | Pow(x, n) |  |
| 367 | Valid Perfect Square |  |
| 365 | Water and Jug Problem |  |
| 204 | Count Primes |  |
|  |  |  |
| Sum |  |  |
| 1 | Two Sum |  |
| 167 | Two Sum II - Input array is sorted |  |
| 15 | 3Sum |  |
| 16 | 3Sum Closest | உ੝ᘍ |
| 259 | 3Sum Smaller | உ੝ᘍ |
| 18 | 4Sum |  |
|  |  |  |
| உ੝ᘍ |  |  |
| 231 | Power of Two |  |



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| --- | --- | --- | --- | --- |
|  | 326 | Power of Three |  |  |
| 342 | Power of Four |  |
| 372 | Super Pow |  |
| 233 | Number of Digit One |  |
| 319 | Bulb Switcher |  |
| 292 | Nim Game |  |
| 202 | Happy Number |  |
| 400 | Nth Digit |  |
| 263 | Ugly Number |  |
| 264 | Ugly Number II |  |
| 306 | Additive Number |  |
| 172 | Factorial Trailing Zeroes |  |
| 343 | Integer Break |  |
| 396 | Rotate Function |  |
| 390 | Elimination Game |  |
| 386 | Lexicographical Numbers |  |
| 357 | Count Numbers with Unique Digits |  |
| 360 | Sort Transformed Array |  |
| 397 | Integer Replacement |  |
| 368 | Largest Divisible Subset |  |
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| **Tree** | | | | |
|  | **चᏐ** |  |  |  |
| 144 | Binary Tree Preorder Traversal | preorder |
| 94 | Binary Tree Inorder Traversal | Inorder |
| 145 | Binary Tree Postorder Traversal | postorder |
| 102 | Binary Tree Level Order Traversal | DFS + BFS |
|  |  |  |
| Preorder |  |  |
| 100 | Same Tree | preorder |
| 101 | Symmetric Tree | preorder |
| 226 | Invert Binary Tree | preorder + BFS |
| 257 | Binary Tree Paths | preorder |
| 112 | Path Sum | preorder |
| 113 | Path Sum II | preorder |
| 129 | Sum Root to Leaf Numbers | preorder |
| 298 | Binary Tree Longest Consecutive Sequence | preorder |
| 111 | Minimum Depth of Binary Tree | preorder |
|  |  |  |
| Postorder |  |  |
| 104 | Maximum Depth of Binary Tree | postorder |
| 110 | Balanced Binary Tree | postorder |
| 124 | Binary Tree Maximum Path Sum | postorder |
| 250 | Count Univalue Subtrees | postorder |
| 366 | Find Leaves of Binary Tree | postorder |
| 337 | House Robber III | postorder + preorder |
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|  |  |  |  |  |
| BFS |  |  |
| 107 | Binary Tree Level Order Traversal II | BFS |
| 103 | Binary Tree Zigzag Level Order Traversal | BFS |
| 199 | Binary Tree Right Side View | BFS + preorder |
|  |  |  |
| BST |  |  |
| 98 | Validate Binary Search Tree | preorder |
| 235 | Lowest Common Ancestor of a Binary Search Tree | preorder |
| 236 | Lowest Common Ancestor of a Binary Tree | postorder |
| 108 | Convert Sorted Array to Binary Search Tree | binary search |
| 109 | Convert Sorted List to Binary Search Tree | binary search |
| 173 | Binary Search Tree Iterator | inorder |
| 230 | Kth Smallest Element in a BST | inorder |
| 297 | Serialize and Deserialize Binary Tree | BFS |
| 285 | Inorder Successor in BST | inorder |
| 270 | Closest Binary Search Tree Value | preorder |
| 272 | Closest Binary Search Tree Value II | inorder |
| 99 | Recover Binary Search Tree | inorder |
|  |  |  |
| ᯿ᥝᑕଶ |  |  |
| 156 | Binary Tree Upside Down | உ੝ᘍ |
| 114 | Flatten Binary Tree to Linked List | உ੝ᘍ |
| 255 | Verify Preorder Sequence in Binary Search Tree | உ੝ᘍ |
| 333 | Largest BST Subtree | உ੝ᘍ |
| 222 | Count Complete Tree Nodes | உ੝ᘍ |
|  |  |  |



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| --- | --- | --- | --- | --- |
|  | 105 | Construct Binary Tree from Preorder and Inorder  Traversal | உ੝ᘍ |  |
| 106 | Construct Binary Tree from Inorder and Postorder Traversal | உ੝ᘍ |
| 116 | Populating Next Right Pointers in Each Node | ᯿ᥝ |
| 117 | Populating Next Right Pointers in Each Node II | ᯿ᥝ |
| 314 | Binary Tree Vertical Order Traversal | ᯿ᥝ |
| 96 | Unique Binary Search Trees | ᯿ᥝ |
| 95 | Unique Binary Search Trees II | உ੝ᘍ |
| 331 | Verify Preorder Serialization of a Binary Tree | உ੝ᘍ |
|  | | | | |



## Backtracking



|  |  |  |
| --- | --- | --- |
| **चᏐ** |  |  |
| 78 | Subsets |  |
| 90 | Subsets II |  |
| 77 | Combinations |  |
| 39 | Combination Sum |  |
| 40 | Combination Sum II |  |
| 216 | Combination Sum III |  |
| 377 | Combination Sum IV | Dynamic Programming |
| 254 | Factor Combinations |  |
| 46 | Permutations |  |
| 47 | Permutations II |  |
| 31 | Next Permutation | String |
| 60 | Permutation Sequence | String |
| 291 | Word Pattern II |  |
|  |  |  |
| Enumeration |  |  |
| 17 | Letter Combinations of a Phone Number |  |
| 320 | Generalized Abbreviation | ᥝ᯿୯ |
| 93 | Restore IP Addresses | உ੝ᘍ |
| 282 | Expression Add Operators |  |
| 140 | Word Break II |  |
| 351 | Android Unlock Patterns |  |

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| **Dynamic Programming** | | | | |
|  | **Ӟᖌ** |  |  |  |
| 70 | Climbing Stairs |  |
| 62 | Unique Paths |  |
| 63 | Unique Paths II |  |
| 120 | Triangle | உ੝ᘍ |
| 279 | Perfect Squares |  |
| 139 | Word Break |  |
| 375 | Guess Number Higher or Lower II |  |
| 312 | Burst Balloons |  |
| 322 | Coin Change |  |
|  |  |  |
| ԫᖌ |  |  |
| 256 | Paint House |  |
| 265 | Paint House II |  |
| 64 | Minimum Path Sum |  |
| 72 | Edit Distance |  |
| 97 | Interleaving String |  |
| 174 | Dungeon Game |  |
| 221 | Maximal Square |  |
| 85 | Maximal Rectangle |  |
| 363 | Max Sum of Rectangle No Larger Than K | TreeSet |
|  |  |  |
| ۸ᓌ |  |  |
| 198 | House Robber |  |
| 213 | House Robber II |  |



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|  |  |  |  |  |
| 276 | Paint Fence |  |
| 91 | Decode Ways |  |
| 10 | Regular Expression Matching |  |
| 44 | Wildcard Matching |  |
|  | | | | |

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| **LinkedList** | | | |
|  | **चᏐ** |  |  |
| 206 | Reverse Linked List |
| 141 | Linked List Cycle |
| 24 | Swap Nodes in Pairs |
| 328 | Odd Even Linked List |
| 92 | Reverse Linked List II |
| 237 | Delete Node in a Linked List |
| 19 | Remove Nth Node From End of List |
| 83 | Remove Duplicates from Sorted List |
| 203 | Remove Linked List Elements |
| 82 | Remove Duplicates from Sorted List II |
| 369 | Plus One Linked List |
| 2 | Add Two Numbers |
| 160 | Intersection of Two Linked Lists |
| 21 | Merge Two Sorted Lists |
| ൉ṛ |  |
| 234 | Palindrome Linked List |
| 143 | Reorder List |
| 142 | Linked List Cycle II |
| 148 | Sort List |
| 25 | Reverse Nodes in k-Group |
| 61 | Rotate List |
| 86 | Partition List |
| 23 | Merge k Sorted Lists |
| 147 | Insertion Sort List |



**Binary Search**



|  |  |
| --- | --- |
| **चᏐ** |  |
| 278 | First Bad Version |
| 35 | Search Insert Position |
| 33 | Search in Rotated Sorted Array |
| 81 | Search in Rotated Sorted Array II |
| 153 | Find Minimum in Rotated Sorted Array |
| 154 | Find Minimum in Rotated Sorted Array II |
| 162 | Find Peak Element |
| 374 | Guess Number Higher or Lower |
| 34 | Search for a Range |
| 349 | Intersection of Two Arrays |
| 350 | Intersection of Two Arrays II |
| 315 | Count of Smaller Numbers After Self |
| 300 | Longest Increasing Subsequence |
| 354 | Russian Doll Envelopes |

**Matrix**



|  |  |
| --- | --- |
| **48** | **Rotate Image** |
| 54 | Spiral Matrix |
| 59 | Spiral Matrix II |
| 73 | Set Matrix Zeroes |
| 311 | Sparse Matrix Multiplication |
| 329 | Longest Increasing Path in a Matrix |
| 378 | Kth Smallest Element in a Sorted Matrix |
| 74 | Search a 2D Matrix |
| 240 | Search a 2D Matrix II |
| 370 | Range Addition |
| 79 | Word Search |
| 296 | Best Meeting Point |
| 361 | Bomb Enemy |
| 317 | Shortest Distance from All Buildings |
| 302 | Smallest Rectangle Enclosing Black Pixels |
| 36 | Valid Sudoku |
| 37 | Sudoku Solver |

**DFS & BFS**



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| --- | --- | --- |
| **चᏐ** |  |  |
| 200 | Number of Islands |  |
| 286 | Walls and Gates |  |
| 130 | Surrounded Regions |  |
| 339 | Nested List Weight Sum |  |
| 364 | Nested List Weight Sum II |  |
| 127 | Word Ladder |  |
| 51 | N-Queens |  |
| 52 | N-Queens II |  |
| 126 | Word Ladder II |  |

**Stack & PriorityQueue**



|  |  |  |
| --- | --- | --- |
| **Stack** |  |  |
| 155 | Min Stack |  |
| 232 | Implement Queue using Stacks |  |
| 225 | Implement Stack using Queues |  |
| 150 | Evaluate Reverse Polish Notation |  |
| 71 | Simplify Path |  |
| 388 | Longest Absolute File Path |  |
| 394 | Decode String |  |
| 224 | Basic Calculator |  |
| 227 | Basic Calculator II |  |
| 385 | Mini Parser |  |
| 84 | Largest Rectangle in Histogram |  |
|  |  |  |
| PriorityQueue |  |  |
| 215 | Kth Largest Element in an Array |  |
| 347 | Top K Frequent Elements |  |
| 313 | Super Ugly Number | உ੝ᘍ |
| 373 | Find K Pairs with Smallest Sums | உ੝ᘍ |
| 218 | The Skyline Problem |  |
| 332 | Reconstruct Itinerary |  |
| 341 | Flatten Nested List Iterator |  |

**Bit Manipulation**



|  |  |
| --- | --- |
| **चᏐ** |  |
| 389 | Find the Diﬀerence |
| 136 | Single Number |
| 318 | Maximum Product of Word Lengths |
|  |  |
| உ੝ᘍ |  |
| 393 | UTF-8 Validation |
| 201 | Bitwise AND of Numbers Range |
| 371 | Sum of Two Integers |
| 338 | Counting Bits |
| 89 | Gray Code |
| 268 | Missing Number |
| 191 | Number of 1 Bits |
| 190 | Reverse Bits |
| 137 | Single Number II |
| 260 | Single Number III |

**Topological Sort**



|  |  |
| --- | --- |
| **चᏐ** |  |
| 207 | Course Schedule |
| 210 | Course Schedule II |
| 269 | Alien Dictionary |

**Random**



|  |  |
| --- | --- |
| **चᏐ** |  |
| ཛྷ຃ | Reservoir Sampling |
| 384 | Shuﬄe an Array |
| 398 | Random Pick Index |
| 382 | Linked List Random Node |
| 380 | Insert Delete GetRandom O(1) |
| 381 | Insert Delete GetRandom O(1) - Duplicates allowed |
| 138 | Copy List with Random Pointer |

**Graph**



|  |  |  |
| --- | --- | --- |
| **चᏐ** |  |  |
| 133 | Clone Graph |  |
| 399 | Evaluate Division |  |
| 310 | Minimum Height Trees |  |
|  |  |  |
| ࢶ୵਍ |  |  |
| 335 | Self Crossing | உ੝ᘍ |
| 149 | Max Points on a Line |  |
| 356 | Line Reﬂection | உ੝ᘍ |
| 391 | Perfect Rectangle | உ੝ᘍ |
| 223 | Rectangle Area | உ੝ᘍ |

**Union FInd**



|  |  |
| --- | --- |
| **चᏐ** |  |
| 261 | Graph Valid Tree |
| 323 | Number of Connected Components in an Undirected Graph |
| 305 | Number of Islands II |

**Trie**



|  |  |
| --- | --- |
| **चᏐ** |  |
| 211 | Add and Search Word - Data structure design |
| 208 | Implement Trie (Preﬁx Tree) |
| 212 | Word Search II |

**Design**



|  |  |  |
| --- | --- | --- |
| **चᏐ** |  |  |
| 359 | Logger Rate Limiter |  |
| 346 | Moving Average from Data Stream | Sliding Window |
| 362 | Design Hit Counter |  |
| 281 | Zigzag Iterator |  |
| 284 | Peeking Iterator |  |
| 251 | Flatten 2D Vector |  |
| 288 | Unique Word Abbreviation |  |
| 170 | Two Sum III - Data structure design |  |
| 348 | Design Tic-Tac-Toe |  |
| 379 | Design Phone Directory |  |
| 353 | Design Snake Game |  |
| 146 | LRU Cache |  |
| 355 | Design Twitter |  |
| 303 | Range Sum Query - Immutable |  |
| 304 | Range Sum Query 2D - Immutable |  |
| 307 | Range Sum Query - Mutable | Binary Index Tree |
| 308 | Range Sum Query 2D - Mutable | Binary Index Tree |

**݇ᘍᗑᒊ**



https://leetcode.com/

# Leetcode ᷌ፓᥤ᷇ᦖᥴ

https://cspiration.com/course/leetcodeVideo

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