Google Interview Questions

Question from the last one month

(Both Online Round and Technical Interview)

1. https://leetcode.com/discuss/interview-question/553399/
2. https://leetcode.com/discuss/interview-question/553399/
3. https://leetcode.com/discuss/interview-question/352458/
4. https://leetcode.com/discuss/interview-question/352459/
5. https://leetcode.com/discuss/interview-question/356433/
6. https://leetcode.com/discuss/interview-question/421787/
7. https://leetcode.com/discuss/interview-question/394347/
8. https://leetcode.com/problems/minimum-domino-rotations-for-equal-row/
9. https://leetcode.com/discuss/interview-question/356477
10. https://leetcode.com/discuss/interview-question/356477
11. https://leetcode.com/problems/maximum-level-sum-of-a-binary-tree/
12. https://leetcode.com/discuss/interview-question/356520
13. https://leetcode.com/problems/k-closest-points-to-origin/
14. https://leetcode.com/problems/odd-even-jump/
15. https://leetcode.com/problems/license-key-formatting/
16. https://leetcode.com/problems/unique-email-addresses/
17. https://leetcode.com/problems/fruit-into-baskets/
18. https://leetcode.com/discuss/interview-question/334191
19. https://leetcode.com/discuss/interview-question/341295/Google-or-Online-Assessment-2019-or-Fill-Matrix
20. https://leetcode.com/discuss/interview-question/350233/Google-or-Summer-Intern-OA-2019-or-Decreasing-Subsequences
21. https://leetcode.com/discuss/interview-question/350363/Google-or-OA-2018-or-Max-Distance
22. https://leetcode.com/discuss/interview-question/350363/Google-or-OA-2018-or-Max-Distance
23. https://leetcode.com/discuss/interview-question/350248/Google-or-Summer-Intern-OA-2019-or-Stores-and-Houses
24. https://leetcode.com/discuss/interview-question/584289/
25. https://leetcode.com/discuss/interview-question/584214/
26. https://leetcode.com/discuss/interview-question/584289/
27. https://leetcode.com/discuss/interview-question/356935/

28. https://leetcode.com/discuss/interview-question/356378/
29. https://leetcode.com/discuss/interview-question/549128/
30. https://leetcode.com/discuss/interview-question/549128/

(Past 6 Months Question asked in Google from Leetcode)

15.3%   Hard

862   Shortest Subarray with Sum at Least K

24.6%   Hard

639   Decode Ways II

26.6%   Hard

10   Regular Expression Matching

26.8%   Hard

273   Integer to English Words

27.1%   Hard

68   Text Justification

27.8%   Hard

188   Best Time to Buy and Sell Stock IV

28.0%   Hard

335   Self Crossing

28.0%   Hard

4   Median of Two Sorted Arrays

29.6%   Hard

45   Jump Game II

30.6%   Hard

803   Bricks Falling When Hit

30.8%   Hard

871   Minimum Number of Refueling Stops

31.4%   Hard

41   First Missing Positive

32.1%   Hard

174	Dungeon Game

32.3%   Hard

269	Alien Dictionary

33.3%   Hard

630	Course Schedule III

33.5%   Hard

57	Insert Interval

33.6%   Hard

158	Read N Characters Given Read4 II - Call multiple times

33.8%   Hard

741	Cherry Pickup

34.0%   Hard

124	Binary Tree Maximum Path Sum

34.3%   Hard

218   The Skyline Problem

34.6%   Hard

76   Minimum Window Substring

34.7%   Hard

212   Word Search II

34.9%   Hard

84   Largest Rectangle in Histogram

35.2%   Hard

282   Expression Add Operators
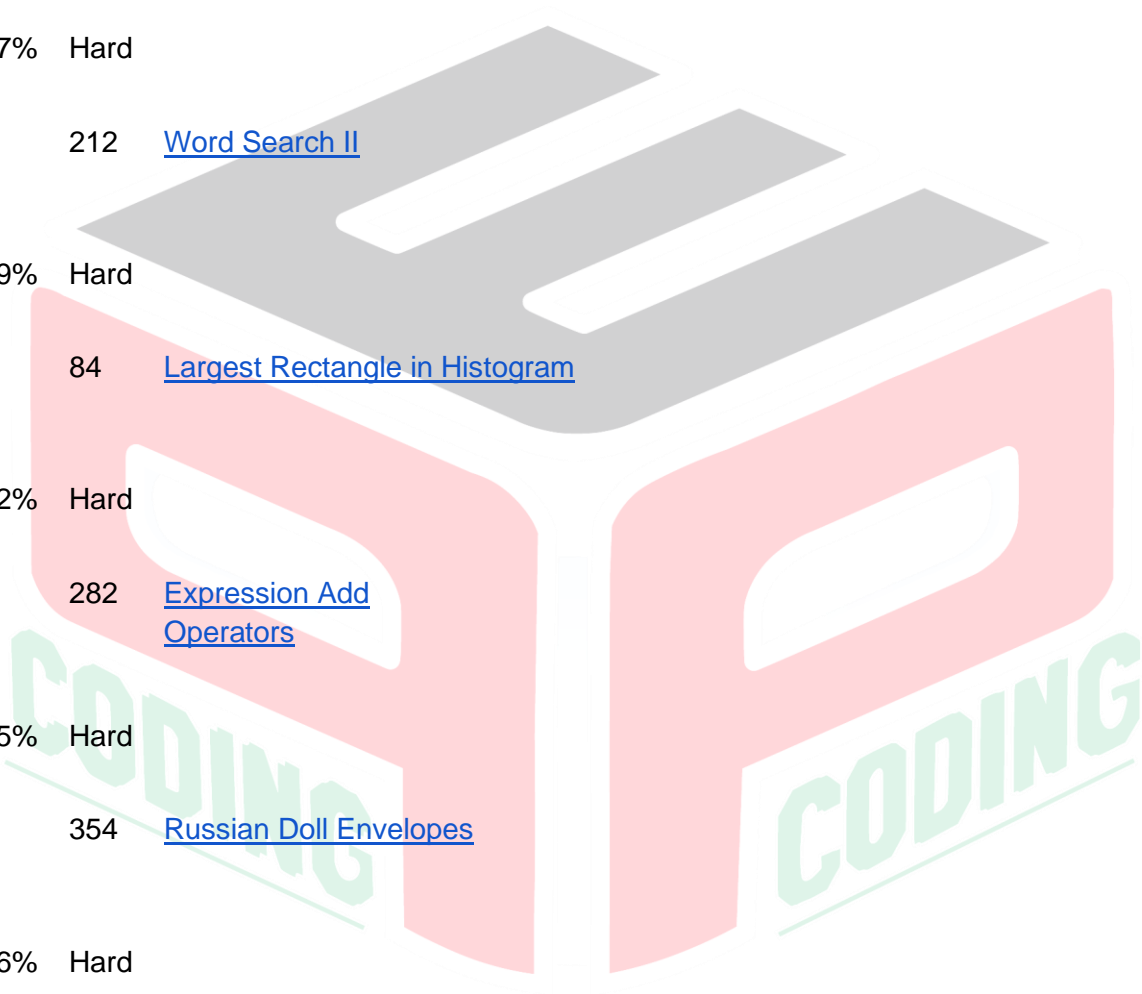
35.5%   Hard

354   Russian Doll Envelopes

35.6%   Hard

1095   Find in Mountain Array

35.7%   Hard

1153   String Transforms Into Another String

35.8%   Hard

316   Remove Duplicate Letters

35.9%   Hard

552   Student Attendance Record II

36.7%   Hard

224   Basic Calculator

36.8%   Hard

363   Max Sum of Rectangle No Larger Than K

37.3%   Hard

480   Sliding Window Median

37.3%   Hard

968   Binary Tree Cameras

37.6%   Hard

85 Maximal Rectangle

37.8% Hard

1345 Jump Game IV

38.0% Hard

60 Permutation Sequence

38.4% Hard

715 Range Module

38.5% Hard

818 Race Car

39.0% Hard

99 Recover Binary Search Tree

39.7% Hard

403 Frog Jump

39.8% Hard

23   Merge k Sorted Lists

40.3%   Hard

568   Maximum Vacation Days

40.8%   Hard

315   Count of Smaller Numbers After Self

41.5%   Hard

727   Minimum Window Subsequence

41.8%   Hard

924   Minimize Malware Spread

42.0%   Hard

815   Bus Routes

42.6%   Hard

1293   Shortest Path in a Grid with Obstacles Elimination

42.8%   Hard

| 239 | Sliding Window Maximum |

43.1%   Hard

| 301 | Remove Invalid Parentheses |

43.3%   Hard

| 329 | Longest Increasing Path in a Matrix |

43.4%   Hard

| 37 | Sudoku Solver |

43.6%   Hard

| 1326 | Minimum Number of Taps to Open to Water a Garden |

43.7%   Hard

| 1088 | Confusing Number II |

44.0%   Hard

| 1235 | Maximum Profit in Job Scheduling |

44.0%   Hard

340   Longest Substring with At Most K Distinct Characters

44.1%   Hard

295   Find Median from Data Stream

44.3%   Hard

410   Split Array Largest Sum

44.6%   Hard

642   Design Search Autocomplete System

44.7%   Hard

72   Edit Distance

44.8%   Hard

128   Longest Consecutive Sequence

45.1%   Hard

843   Guess the Word

46.1%   Hard

689   Maximum Sum of 3 Non-Overlapping Subarrays

46.3%   Hard

679   24
        Game

46.4%   Hard

1125   Smallest Sufficient Team

46.6%   Hard

51   N-Queens

46.7%   Hard

352   Data Stream as Disjoint Intervals

47.3%   Hard

297   Serialize and Deserialize Binary
        Tree

47.5%   Hard

850   Rectangle Area II

47.5%   Hard

736   Parse Lisp
       Expression

47.5%   Hard

1032   Stream of
        Characters

48.3%   Hard

992   Subarrays with K Different Integers

48.6%   Hard

1192   Critical Connections in a Network

48.6%   Hard

42   Trapping Rain Water

48.9%   Hard

1240   Tiling a Rectangle with the Fewest
        Squares

50.1%   Hard

753   Cracking the Safe

50.6%   Hard

1231   Divide Chocolate

52.4%   Hard

1444   Number of Ways of Cutting a Pizza

52.9%   Hard

778   Swim in Rising Water

53.1%   Hard

527   Word Abbreviation

54.3%   Hard

1368   Minimum Cost to Make at Least One Valid Path in a Grid

54.3%   Hard

1406   Stone Game III

56.1%   Hard

296   Best Meeting Point

57.5%   Hard

1312   Minimum Insertion Steps to Make a String Palindrome

58.1%   Hard

773   Sliding Puzzle

59.3%   Hard

428   Serialize and Deserialize N-ary Tree

59.4%   Hard

1074   Number of Submatrices That Sum to Target

60.4%   Hard

1136   Parallel Courses

61.0%   Hard

1320   Minimum Distance to Type a Word Using Two Fingers

62.3%   Hard

1463   Cherry Pickup II

65.7%   Hard

| 759 | Employee Free Time |

66.3%   Hard

| 489 | Robot Room Cleaner |

69.7%   Hard

| 980 | Unique Paths III |

73.3%   Hard

| 8 | String to Integer (atoi) |

15.4%   Medium

| 166 | Fraction to Recurring Decimal |

21.6%   Medium

| 444 | Sequence Reconstruction |

22.2%   Medium

| 91 | Decode Ways |

24.7%   Medium

| 15 | 3Sum |

26.9%   Medium

| 165 | Compare Version Numbers |

27.4%   Medium

| 456 | 132 Pattern |

28.9%   Medium

| 5 | Longest Palindromic Substring |

29.5%   Medium

| 127 | Word Ladder |

29.6%   Medium

| 1477 | Find Two Non-overlapping Sub-arrays Each With Target Sum |

30.1%   Medium

| 50 | Pow(x, n) |

30.3%   Medium

3	Longest Substring Without Repeating Characters		
30.4%	Medium		
678	Valid Parenthesis String		
31.0%	Medium		
177	Nth Highest Salary	31.4%	Medium
271	Encode and Decode Strings		
31.5%	Medium		
152	Maximum Product Subarray		
31.7%	Medium		
31	Next Permutation		
32.6%	Medium		
418	Sentence Screen Fitting		
32.7%	Medium		
146	LRU Cache		

33.2%   Medium

2   Add Two Numbers

33.9%   Medium

43   Multiply Strings

33.9%   Medium

33   Search in Rotated Sorted
           Array

34.5%   Medium

63   Unique Paths II

34.6%   Medium

722   Remove
           Comments

34.6%   Medium

55   Jump
           Game

34.6%   Medium

837   New 21 Game

34.6%   Medium

307   Range Sum Query - Mutable

34.7%   Medium

777   Swap Adjacent in LR String
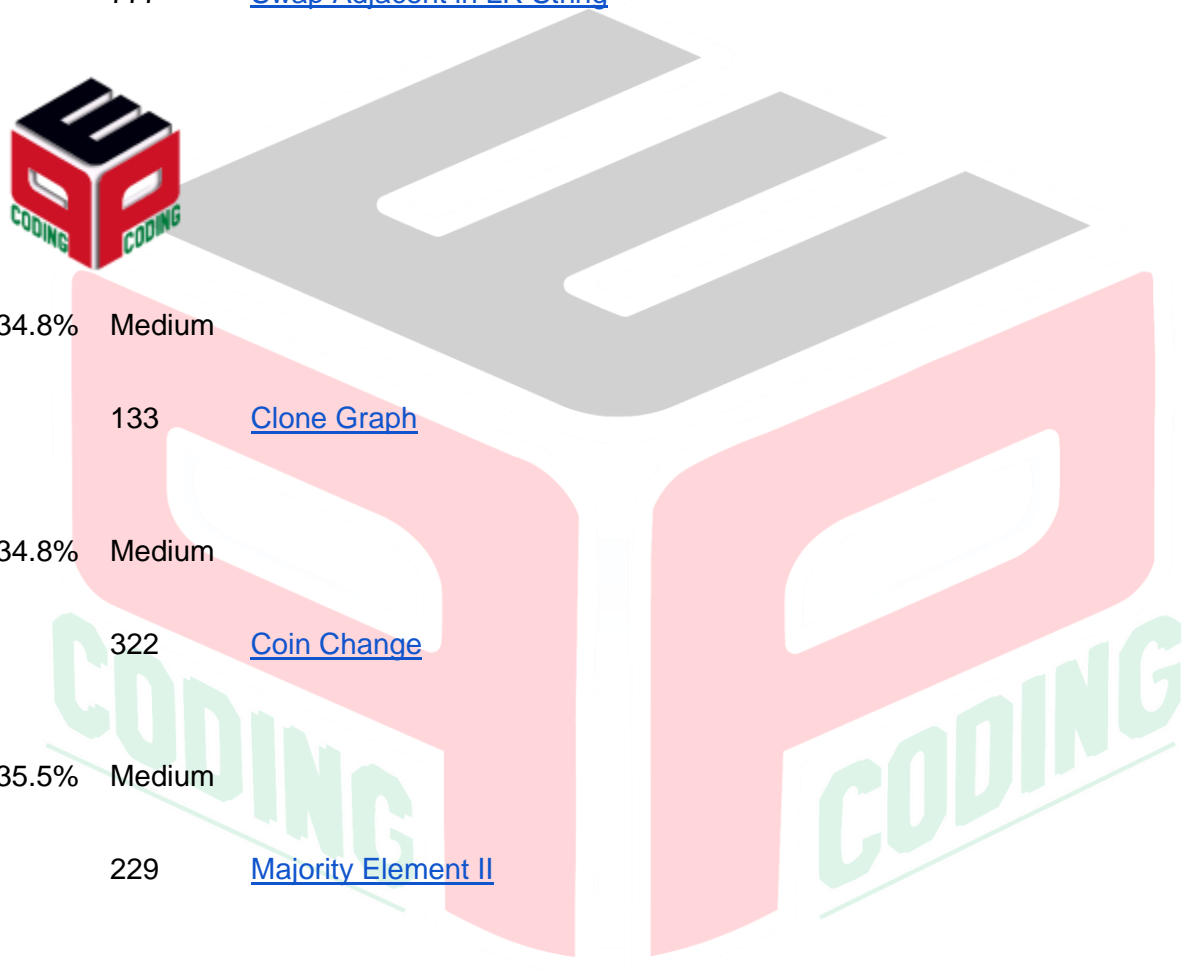
34.8%   Medium

133   Clone Graph

34.8%   Medium

322   Coin Change

35.5%   Medium

229   Majority Element II

35.6%   Medium

79   Word
         Search

35.6%   Medium

    1197   Minimum Knight Moves

36.1%   Medium

    34   Find First and Last Position of Element in Sorted Array

36.2%   Medium

    150   Evaluate Reverse Polish Notation

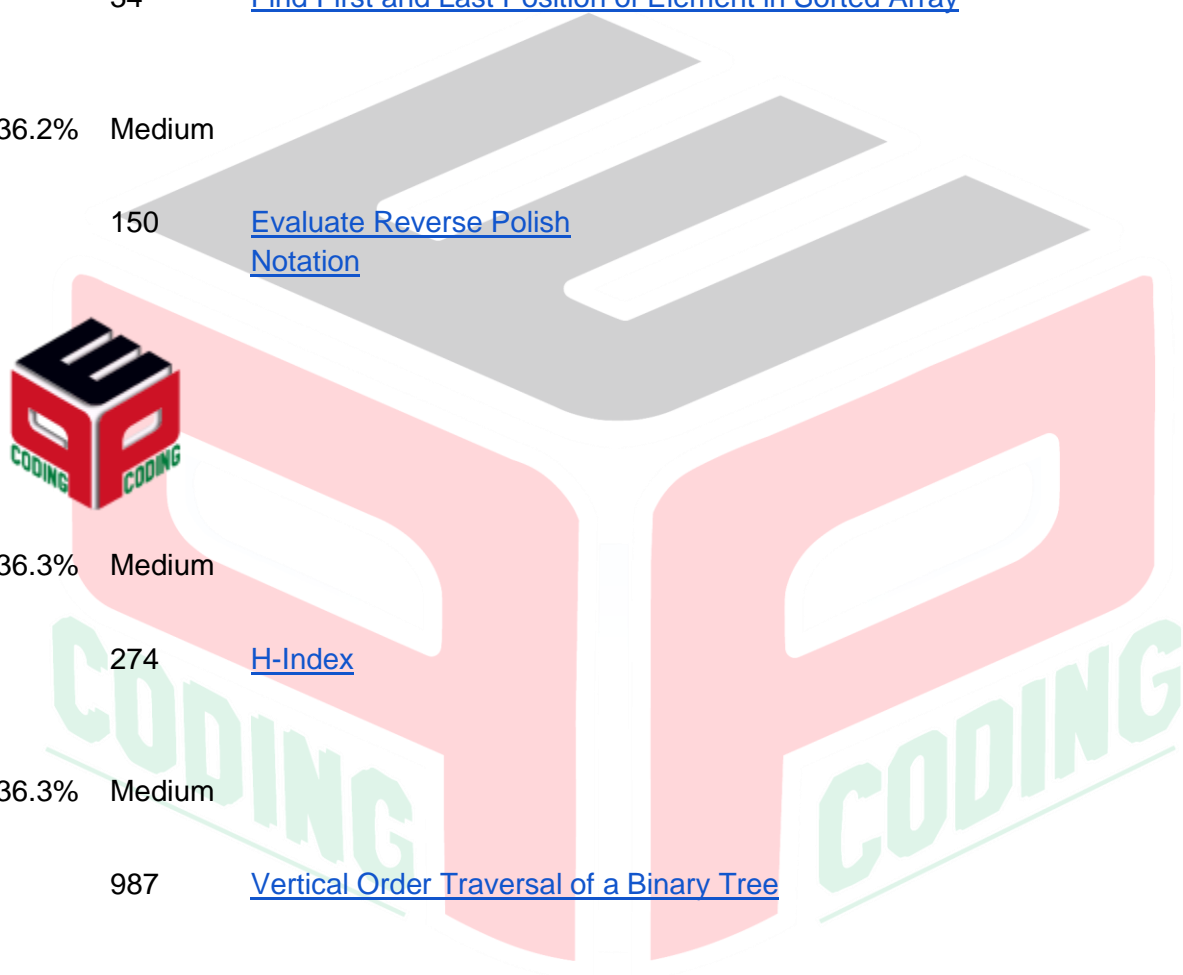36.3%   Medium

    274   H-Index

36.3%   Medium

    987   Vertical Order Traversal of a Binary Tree

36.6%   Medium

    332   Reconstruct Itinerary

36.7%	Medium		
		227	Basic Calculator II
36.9%	Medium		
		1146	Snapshot Array
37.0%	Medium		
		845	Longest Mountain in Array
37.2%	Medium		
		393	UTF-8 Validation
37.5%	Medium		
		221	Maximal Square
37.7%	Medium		
		211	Add and Search Word - Data structure design
38.1%	Medium		
		209	Minimum Size Subarray Sum

38.2%   Medium

304   Range Sum Query 2D - Immutable

38.6%   Medium

117   Populating Next Right Pointers in Each Node II

39.2%   Medium

56   Merge Intervals

39.3%   Medium

139   Word Break

40.1%   Medium

375   Guess Number Higher or Lower II

40.3%   Medium

210   Course Schedule II

40.7%   Medium

658   Find K Closest Elements

40.9%   Medium

417   Pacific Atlantic Water Flow

41.1%   Medium

735   Asteroid Collision

41.1%   Medium

388   Longest Absolute File Path   41.8%   Medium

1438   Longest Continuous Subarray With Absolute Diff
           Less Than or Equal to Limit

42.1%   Medium

904   Fruit Into Baskets

42.5%   Medium

300   Longest Increasing
           Subsequence

42.6%   Medium

1423   Maximum Points You Can Obtain from Cards

42.7%   Medium

| 525 | Contiguous Array |

42.8%   Medium

| 593 | Valid Square |

43.1%   Medium

| 240 | Search a 2D Matrix II |

43.2%   Medium

| 162 | Find Peak Element |

43.3%   Medium

| 438 | Find All Anagrams in a String |

43.3%   Medium

| 1352 | Product of the Last K Numbers |

43.6%   Medium

| 659 | Split Array into Consecutive Subsequences |

43.7%   Medium

560	Subarray Sum Equals K

43.9%   Medium

528	Random Pick with Weight

43.9%   Medium

886	Possible Bipartition

44.2%   Medium

1218	Longest Arithmetic Subsequence of Given Difference

44.6%   Medium

681	Next Closest Time

45.0%   Medium

743	Network Delay Time

45.0%   Medium

153	Find Minimum in Rotated Sorted Array

45.1%   Medium

935	Knight Dialer	
45.2%	Medium	
116	Populating Next Right Pointers in Each Node	
45.3%	Medium	
314	Binary Tree Vertical Order Traversal	
45.3%	Medium	
1223	Dice Roll Simulation	
45.6%	Medium	
236	Lowest Common Ancestor of a Binary Tree	
45.7%	Medium	
253	Meeting Rooms II	
45.7%	Medium	
284	Peeking Iterator	
45.7%	Medium	

562	Longest Line of Consecutive One in Matrix
45.9%	Medium

16	3Sum Closest
46.0%	Medium

17	Letter Combinations of a Phone Number
46.8%	Medium

200	Number of Islands
46.8%	Medium

325	Maximum Size Subarray Sum Equals k
46.8%	Medium

222	Count Complete Tree Nodes
46.8%	Medium

549	Binary Tree Longest Consecutive Sequence II
47.0%	Medium

424	Longest Repeating Character Replacement	
47.0%	Medium	
809	Expressive Words	
47.0%	Medium	
279	Perfect Squares	
47.4%	Medium	
792	Number of Matching Subsequences	
47.4%	Medium	
380	Insert Delete GetRandom O(1)	
47.6%	Medium	
259	3Sum Smaller	
47.7%	Medium	
109	Convert Sorted List to Binary Search Tree	
47.7%	Medium	

247	Strobogrammatic Number II

47.7%	Medium

524	Longest Word in Dictionary through Deleting

48.4%	Medium

351	Android Unlock Patterns

48.5%	Medium

767	Reorganize String

48.7%	Medium

36	Valid Sudoku

48.8%	Medium

105	Construct Binary Tree from Preorder and Inorder Traversal

48.8%	Medium

721	Accounts Merge

48.8%	Medium

| 688 | Knight Probability in Chessboard |

48.9%   Medium

| 1155 | Number of Dice Rolls With Target Sum |

48.9%   Medium

| 731 | My Calendar II |

49.2%   Medium

| 1102 | Path With Maximum Minimum Value |

49.2%   Medium

| 208 | Implement Trie (Prefix Tree) |

49.4%   Medium

| 159 | Longest Substring with At Most Two Distinct Characters |

49.4%   Medium

| 394 | Decode String |

50.0%   Medium

1007   Minimum Domino Rotations For Equal Row

50.0%   Medium

554   Brick Wall

50.0%   Medium

652   Find Duplicate Subtrees

50.2%   Medium

833   Find And Replace in String

50.4%   Medium

24   Swap Nodes in Pairs

50.4%   Medium

911   Online Election

50.4%   Medium

337   House Robber III

50.6%   Medium

963   Minimum Area Rectangle II

50.9%   Medium

399   Evaluate Division

51.6%   Medium

729   My Calendar I

51.8%   Medium

692   Top K Frequent
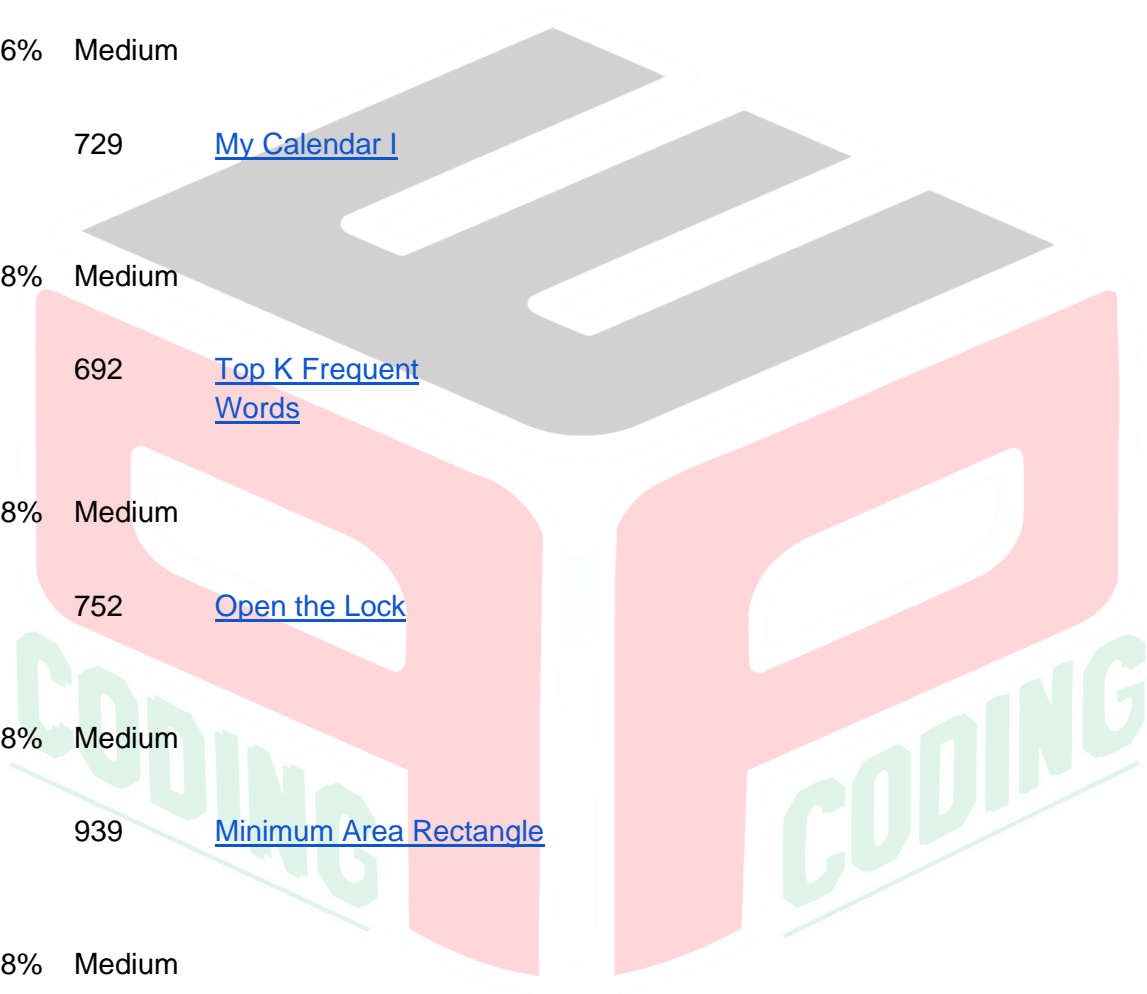   Words

51.8%   Medium

752   Open the Lock

51.8%   Medium

939   Minimum Area Rectangle

51.8%   Medium

250   Count Univalue
           Subtrees

52.0%   Medium

636	Exclusive Time of Functions	
52.0%	Medium	
382	Linked List Random Node	
52.1%	Medium	
958	Check Completeness of a Binary Tree	
52.1%	Medium	
137	Single Number II	
52.4%	Medium	
1229	Meeting Scheduler	
52.7%	Medium	
384	Shuffle an Array	52.8% Medium
96	Unique Binary Search Trees	
52.9%	Medium	
1131	Maximum of Absolute Value Expression	

53.0%   Medium

981   Time Based Key-Value
        Store

53.1%   Medium

900   RLE Iterator

53.5%   Medium

1296   Divide Array in Sets of K Consecutive Numbers

53.8%   Medium

1366   Rank Teams by
        Votes

53.8%   Medium

59   Spiral Matrix II

53.9%   Medium

62   Unique
        Paths

54.1%   Medium

846   Hand of Straights

54.2%   Medium

378   Kth Smallest Element in a Sorted Matrix

54.3%   Medium

64   Minimum Path Sum

54.5%   Medium

1060   Missing Element in Sorted Array

54.5%   Medium

286   Walls and
          Gates

54.6%   Medium

1048   Longest String Chain

54.7%   Medium

249   Group Shifted Strings

55.1%   Medium

12   Integer to Roman

55.1%   Medium

241   Different Ways to Add
        Parentheses

55.2%   Medium

947   Most Stones Removed with Same Row or Column

55.2%   Medium

215   Kth Largest Element in an Array

55.4%   Medium

1376   Time Needed to Inform All Employees

55.4%   Medium

287   Find the Duplicate Number

55.6%   Medium

144   Binary Tree Preorder
        Traversal

55.7%   Medium

216   Combination Sum III

56.6%   Medium

173   Binary Search Tree Iterator

56.6%   Medium

49   Group Anagrams

56.9%   Medium

1062   Longest Repeating
           Substring

57.2%   Medium

540   Single Element in a Sorted Array   57.9%   Medium

1031   Maximum Sum of Two Non-Overlapping
           Subarrays

57.9%   Medium

1011   Capacity To Ship Packages Within D
           Days

58.2%   Medium

| 1143 | Longest Common Subsequence |

58.4%   Medium

| 238 | Product of Array Except Self |

60.1%   Medium

| 901 | Online Stock Span |

60.2%   Medium

| 1254 | Number of Closed Islands |

60.4%   Medium

| 983 | Minimum Cost For Tickets |

60.5%   Medium

647   Palindromic Substrings

60.7%   Medium

1244   Design A Leaderboard

60.8%   Medium

347   Top K Frequent Elements

61.2%   Medium

946   Validate Stack Sequences

61.8%   Medium

1504   Count Submatrices With All Ones

61.8%   Medium

78   Subsets

62.0%   Medium

695   Max Area of Island

62.7%   Medium

22   Generate Parentheses

62.7%   Medium

94   Binary Tree Inorder Traversal

63.4%   Medium

1140   Stone Game II

63.4%   Medium

1466   Reorder Routes to Make All Paths Lead to the City Zero

63.5%   Medium

46   Permutations

63.6%   Medium

362   Design Hit Counter

63.7%   Medium

280   Wiggle Sort

63.8%   Medium

791   Custom Sort String

65.6%   Medium

951   Flip Equivalent Binary Trees

65.8%   Medium

406   Queue Reconstruction by Height

66.9%   Medium

702   Search in a Sorted Array of Unknown Size

66.9%   Medium

1110   Delete Nodes And Return Forest

67.0%   Medium

986   Interval List Intersections

67.3%   Medium

442   Find All Duplicates in an Array

67.8%   Medium

723   Candy Crush

69.3%   Medium

1277   Count Square Submatrices with All Ones

73.3%   Medium

894   All Possible Full Binary Trees

75.3%   Medium

654   Maximum Binary Tree

79.9%   Medium

1265   Print Immutable Linked List in Reverse   94.6%   Medium