

# LeetCode Hard Problems Categorized by Topics

## Arrays and Hashing

41 - First Missing Positive

128 - Longest Consecutive Sequence

287 - Find the Duplicate Number

315 - Count of Smaller Numbers After Self

## Two Pointers

42 - Trapping Rain Water

76 - Minimum Window Substring

680 - Valid Palindrome II

30 - Substring with Concatenation of All Words

1248 - Count Number of Nice Subarrays

## Binary Search

410 - Split Array Largest Sum

4 - Median of Two Sorted Arrays

154 - Find Minimum in Rotated Sorted Array II

1482 - Minimum Number of Days to Make m Bouquets

1231 - Divide Chocolate

## Dynamic Programming

72 - Edit Distance

44 - Wildcard Matching

97 - Interleaving String

85 - Maximal Rectangle

10 - Regular Expression Matching

## **Graphs**

332 - Reconstruct Itinerary

1192 - Critical Connections in a Network

847 - Shortest Path Visiting All Nodes

785 - Is Graph Bipartite?

685 - Redundant Connection II

## **Trees**

124 - Binary Tree Maximum Path Sum

297 - Serialize and Deserialize Binary Tree

99 - Recover Binary Search Tree

968 - Binary Tree Cameras

543 - Diameter of Binary Tree

## **Backtracking**

51 - N-Queens

37 - Sudoku Solver

301 - Remove Invalid Parentheses

212 - Word Search II

980 - Unique Paths III

## **Greedy**

135 - Candy

45 - Jump Game II

968 - Binary Tree Cameras

316 - Remove Duplicate Letters

621 - Task Scheduler

## **Heap/Priority Queue**

239 - Sliding Window Maximum

502 - IPO

295 - Find Median from Data Stream

632 - Smallest Range Covering Elements from K Lists

407 - Trapping Rain Water II

## **Sliding Window**

239 - Sliding Window Maximum

76 - Minimum Window Substring

995 - Minimum Number of K Consecutive Bit Flips

159 - Longest Substring with At Most Two Distinct Characters

480 - Sliding Window Median

## **Intervals**

218 - The Skyline Problem

1288 - Remove Covered Intervals

986 - Interval List Intersections

759 - Employee Free Time

1235 - Maximum Profit in Job Scheduling

## **Bit Manipulation**

137 - Single Number II

421 - Maximum XOR of Two Numbers in an Array

191 - Number of 1 Bits

1548 - The Most Similar Path in a Graph

1547 - Minimum Cost to Cut a Stick

## **Design**

460 - LFU Cache

432 - All O`one Data Structure

895 - Maximum Frequency Stack

146 - LRU Cache

981 - Time Based Key-Value Store

## **Math**

224 - Basic Calculator

273 - Integer to English Words

60 - Permutation Sequence

829 - Consecutive Numbers Sum

899 - Orderly Queue

## **Linked Lists**

25 - Reverse Nodes in k-Group

23 - Merge k Sorted Lists

61 - Rotate List

143 - Reorder List