1 Data Structure

1.1 Array

56. Merge Intervals

162. Find Peak Element

189. Rotate Array

350. Intersection of Two Arrays II

347. Top K Frequent Elements

409. Longest Palindrome

1.2 Hash

49. Group Anagrams

146. LRU Cache

149. Max Points on a Line

128. Longest Consecutive Sequence

290. Word Pattern

1.3 Linked List

1.3.1 Cycle Detection

141. Linked List Cycle

142. Linked List Cycle II

202. Happy Number

206. Reverse Linked List

287. Find the Duplicate Number

1.3.2 Common

2. Add Two Numbers

19. Remove Nth Node From End of List

23.Merge k Sorted Lists

138. Copy List with Random Pointer

146. LRU Cache

148. Sort List

160. Intersection of Two Linked Lists

1.4 Tree

94. Binary Tree Inorder Traversal

98. Validate Binary Search Tree

101. Symmetric Tree

102. Binary Tree Level Order Traversal

103. Binary Tree Zigzag Level Order Traversal

105. Construct Binary Tree from Preorder and Inorder Traversal

113. Path Sum

114. Flatten Binary Tree to Linked List

116. Populating Next Right Pointers in Each Node

124. Binary Tree Maximum Path Sum

230. Kth Smallest Element in a BST

236. Lowest Common Ancestor of a Binary Tree

449. Serialize and Deserialize BST

1.5 Trie

208. Implement Trie (Prefix Tree)

211. Add and Search Word - Data structure design

212. Word Search II

1.6 Graph

127. Word Ladder

207. Course Schedule

210. Course Schedule II

1.7 Stack

20. Valid Parentheses

150. Evaluate Reverse Polish Notation

155. Min Stack

341. Flatten Nested List Iterator

402. Remove K Digits

1.8 Queue

1.8.1 Common

225. Implement Stack using Queues

1.8.2 Priority Queue

23. Merge k Sorted Lists

215. Kth Largest Element in an Array

295. Find Median from Data Stream

347. Top K Frequent Elements

329. Longest Increasing Path in a Matrix

378. Kth Smallest Element in a Sorted Matrix

407. Trapping Rain Water II

1.9 String

1.9.1 Palindromic

5. Longest Palindromic Substring

647. Palindromic Substrings

1.9.2 KMP

28. Implement strStr()

1.9.3 Regular Match

10. Regular Expression Matching

44. Wildcard Matching

1.9.4 Sliding Window

3. Longest Substring Without Repeating Characters)

76. Minimum Window Substring

1.9.5 Others

8. String to Integer (atoi)

187. Repeated DNA Sequences

1.10 Integer

7. Reverse Integer

2 Algorithms

2.1 Divide and Conquer

23. Merge k Sorted Lists

50. Pow(x, n)

148. Sort List

315. Count of Smaller Numbers After Self

395. Longest Substring with At Least K Repeating Characters

2.2 DP

10. Regular Expression Matching

54. Spiral Matrix

62. Unique Paths

78. Subsets

91. Decode Ways

121. Best Time to Buy and Sell Stock

139. Word Break

140. Word Break II

152. Maximum Product Subarray

174. Dungeon Game

198. House Robber

300. Longest Increasing Subsequence

322. Coin Change

376. Wiggle Subsequence

2.3 Greedy

53. Maximum Subarray

55. Jump Game

122. Best Time to Buy and Sell Stock II

134. Gas Station

407. Trapping Rain Water II

455. Assign Cookies

2.4 Backtracking

17. Letter Combinations of a Phone Number

22. Generate Parentheses

40. Combination Sum II

46. Permutations

51. N-Queens

78. Subsets

131. Palindrome Partitioning

473. Matchsticks to Square

2.5 Sort

2.5.1 Quick Sort

215. Kth Largest Element in an Array

2.5.2 Three Partition

75. Sort Colors

2.6 Binary Search

2.6.1 Array

4. Median of Two Sorted Arrays

33. Search in Rotated Sorted Array

34. Find First and Last Position of Element in Sorted Array

35. Search Insert Position

300. Longest Increasing Subsequence

2.6.2 Tree

307. Range Sum Query - Mutable

315. Count of Smaller Numbers After Self

2.6.3 Matrix

240. Search a 2D Matrix II

2.6.4 Others

69. Sqrt(x) II

2.7 Binary Index Tree

307. Range Sum Query - Mutable

315. Count of Smaller Numbers After Self

2.8 Segment Tree

307. Range Sum Query - Mutable

315. Count of Smaller Numbers After Self

2.9 Union Find

547. Friend Circles

2.10 DFS

79. Word Search

113. Path Sum

207. Course Schedule

329. Longest Increasing Path in a Matrix

199. Binary Tree Right Side View

200. Number of Islands

473. Matchsticks to Square

547. Friend Circles

2.11 BFS

102. Binary Tree Level Order Traversal

103. Binary Tree Zigzag Level Order Traversal

116. Populating Next Right Pointers in Each Node

199. Binary Tree Right Side View

200. Number of Islands

547. Friend Circles

2.12 Bit Manipulation

29. Divide Two Integers

187. Repeated DNA Sequences

190. Reverse Bits

191.Number of 1 Bits

268. Missing Number

289. Game of Life

371. Sum of Two Integers

473. Matchsticks to Square

2.13 Random

169. Majority Element

380.Insert Delete GetRandom O(1)

382. Linked List Random Node

384. Shuffle an Array

2.14 Two Points

234. Palindrome Linked List

2.15 Squeeze

2.15.1 Common

11. Container With Most Water

15. 3Sum

42. Trapping Rain Water

134. Gas Station

2.15.2 Others

84. Largest Rectangle in sogram

2.16 State Transition

8. String to Integer (atoi)

207. Course Schedule

224. Basic Calculator

376. Wiggle Subsequence

2.17 Peak

162. Find Peak Element

376. Wiggle Subsequence

402. Remove K Digits

2.18 Others

36. Valid Sudoku

38. Count and Say

41. First Missing Positive

48. Rotate Image

66. Plus One