pointer

1) Rotate Array, Reverse Words in a String
2) Evaluate Reverse Polish Notation (Stack)
3) Isomorphic Strings
4) Word Ladder (BFS), Word Ladder II (BFS)
5) Median of Two Sorted Arrays
5) Kth Largest Element in an Array
6) Wildcard Matching, Regular Expression Matching

7) Merge Intervals, Insert Interval
9) Two Sum, Two Sum II, Two Sum III, 3Sum, 4Sum
10) 3Sum Closest

11) String to Integer
12) Merge Sorted Array
13) Valid Parentheses
13) Longest Valid Parentheses
14) Implement strStr()
15) Minimum Size Subarray Sum

16) Search Insert Position

17) Longest Consecutive Sequence

18) Valid Palindrome
19) ZigZag Conversion
20) Add Binary
21) Length of Last Word
22) Triangle
24) Contains Duplicate: I, II, III
25) Remove Duplicates from Sorted Array: I, II, Remove Element , Move Zeroes
27) Longest Substring Without Repeating Characters
28) Longest Substring that contains 2 unique characters [Google]

28) Substring with Concatenation of All Words

29) Minimum Window Substring

31) Find Minimum in Rotated Sorted Array: I, II
32) Search in Rotated Array:I, II
33) Min Stack

Matrix

1) Set Matrix Zeroes
2) Spiral Matrix
2) Spiral Matrix II
3) Search a 2D Matrix
3) Search a 2D Matrix II
4) Rotate Image [Palantir]

5) Valid Sudoku

6) Minimum Path Sum (DP) [Google]

7) Unique Paths (DP) [Google]
7) Unique Paths II (DP)

8) Number of Islands (DFS/BFS), Number of Islands II (Disjoint Set), Number of Connected Components in an Undirected Graph
9) Surrounded Regions (BFS)
10) Maximal Rectangle
10) Maximal Square
11) Word Search (DFS)
11) Word Search II

13) Range Sum Query 2D – Immutable
14) Longest Increasing Path in a Matrix (DFS)

15) Shortest Distance from All Buildings
16) Game of Life
17) Paint House, Paint House II
18) Sudoku Solver (DFS)
19) Walls and Gates (DFS/BFS)
20) Tic-Tac-Toe

21) Best Meeting Point

Linked List

0) Implement a Stack Using an Array

1) Add Two Numbers
2) Reorder List
3) Linked List Cycle

34) Majority Element: I, II
35) Bulls and Cows
36) Largest Rectangle in Histogram

37) Longest Common Prefix [Google]

38) Largest Number
39) Simplify Path
40) Compare Version Numbers
41) Gas Station
44) Pascal's Triangle: I, II
45) Container With Most Water

45) Candy [Google]

45) Trapping Rain Water
46) Count and Say
47) Search for a Range
48) Basic Calculator, Basic Calculator II

49) Group Anagrams
50) Shortest Palindrome
51) Rectangle Area
52) Summary Ranges
53) Increasing Triplet Subsequence
54) Get Target Using Number List And Arithmetic Operations

55) Reverse Vowels of a String
56) Flip Game, Flip Game II
57) Missing Number, Find the duplicate number, First Missing Positive

58) Valid Anagram, Group Shifted Strings
59) Top K Frequent Elements
60) Find Peak Element
61) Word Pattern, Word Pattern II
62) H-Index , H-Index II

63) Palindrome Pairs

64) One Edit Distance

65) Scramble String

66) First Bad Version
67) Integer to English Words

4) Copy List with Random Pointer
5) Merge Two Sorted Lists
6) Odd Even Linked List

7) Remove Duplicates from Sorted List

7) Remove Duplicates from Sorted List II
8) Partition List
9) LRU Cache
10) Intersection of Two Linked Lists
11) Remove Linked List Elements
12) Swap Nodes in Pairs

13) Reverse Linked List, Reverse Linked List II, Print Linked List in Reversed Order
14) Remove Nth Node From End of List (Fast-Slow Pointers)
15) Implement Stack using Queues
15) Implement Queue using Stacks
16) Palindrome Linked List

17) Implement a Queue using an Array
18) Delete Node in a Linked List
19) Reverse Nodes in k-Group

Tree, Heap and Trie

1) Binary Tree
Traversal: Preorder, Inorder, Postorder, Level Order, Level Order II, Vertical Order
2) Invert Binary Tree

3) Kth Smallest Element in a BST
4) Binary Tree Longest Consecutive Sequence
5) Validate Binary Search Tree
6) Flatten Binary Tree to Linked List
7) Path Sum (DFS or BFS)
7) Path Sum II (DFS)
8) Construct Binary Tree from Inorder and Postorder Traversal
8) Construct Binary Tree from Preorder and Inorder Traversal
9) Convert Sorted Array to Binary Search Tree [Google]
10) Convert Sorted List to Binary Search Tree [Google]
11) Minimum Depth of Binary Tree

68) Text Justification
69) Remove Invalid Parentheses
70) Intersection of Two Arrays, Intersection of Two Arrays II
71) Sliding Window Maximum, Moving Average from Data Stream
72) Guess Number Higher or Lower

4.2 Heap

1) Merge k sorted arrays [Google]

*2) Merge k Sorted Lists **

3) Find Median from Data Stream

4) Meeting Rooms II, Meeting Rooms

5) Range Addition

4.3 Trie

1) Implement Trie (Prefix Tree)
2) Add and Search Word - Data structure design (DFS)

4.4 Segment Tree

1) Range Sum Query - Mutable
2) The Skyline Problem

Graph

1) Clone Graph
2) Course Schedule , Course Schedule II , Minimum Height Trees
3) Reconstruct Itinerary
4) Graph Valid Tree

Sorting

1) Mergesort
2) Quicksort
3) InsertionSort.

*12) Binary Tree Maximum Path Sum **
13) Balanced Binary Tree

14) Symmetric Tree

15) Binary Search Tree Iterator
16) Binary Tree Right Side View
17) Lowest Common Ancestor of a Binary Search Tree
18) Lowest Common Ancestor of a Binary Tree
19) Verify Preorder Serialization of a Binary Tree
20) Populating Next Right Pointers in Each Node
21) Populating Next Right Pointers in Each Node II
21) Unique Binary Search Trees (DP)

21) Unique Binary Search Trees II (DFS)
22) Sum Root to Leaf Numbers (DFS)
23) Count Complete Tree Nodes
24) Closest Binary Search Tree Value
25) Binary Tree Paths
26) Maximum Depth of Binary Tree

27 Recover Binary Search Tree
28) Same Tree

29) Serialize and Deserialize Binary Tree
30) Inorder Successor in BST
31) Find Leaves of Binary Tree
32) Largest BST Subtree

Dynamic Programming

1) Edit Distance

1) Distinct Subsequences Total
2) Longest Palindromic Substring
3) Word Break
3) Word Break II
4) Maximum Subarray
4) Maximum Product Subarray
5) Palindrome Partitioning
5) Palindrome Partitioning II
6) House Robber [Google]
6) House Robber II

4) Maximum Gap (Bucket Sort)
5) Sort Colors (Counting Sort)

Bit Manipulation

1) Single Number
1) Single Number II
2) Maximum Binary Gap
3) Number of 1 Bits
4) Reverse Bits
5) Repeated DNA Sequences
6) Bitwise AND of Numbers Range
7) Sum of Two Integers
8) Counting Bits
9) Maximum Product of Word Lengths
10) Gray Code

Combinations and Permutations

1) Permutations
2) Permutations II

3) Permutation Sequence
4) Generate Parentheses
5) Combination Sum (DFS), II (DFS), III (DFS), IV (DP)

6) Combinations (DFS)

7) Letter Combinations of a Phone Number (DFS)
8) Restore IP Addresses
9) Factor Combinations (DFS)

HashMap

1) Shortest Word Distance II

Additional Problems:
1) Self Crossing
2) Patching Array
3) Nim Game
4) Bulb Switcher
5) Pain Fence
6) Nested List Weight Sum
6) House Robber III
7) Jump Game
7) Jump Game II
8) Best Time to Buy and Sell Stock
8) Best Time to Buy and Sell Stock II
8) Best Time to Buy and Sell Stock III
8) Best Time to Buy and Sell Stock IV
9) Dungeon Game
10) Minimum Path Sum
11) Unique Paths
12) Decode Ways
13) Longest Common Subsequence
14) Longest Common Substring
15) Longest Increasing Subsequence
16) Coin Change
17) Perfect Squares

Math

1) Reverse Integer
2) Palindrome Number
3) Pow(x,n), Power of Two, Power of Three, Power of Four
4) Subsets

5) Subsets II
6) Fraction to Recurring Decimal [Google]

7) Excel Sheet Column Number
8) Excel Sheet Column Title
9) Factorial Trailing Zeroes
10) Happy Number
11) Count Primes
12) Plus One
13) Divide Two Integers
14) Multiply Strings
15) Max Points on a Line
16) Product of Array Except Self
17) Integer Break
18) Add Digits
21) Ugly Number, 9Ugly Number II, Super Ugly Number
, Find K Pairs with Smallest Sums