These are the questions which i did during my preparation.

DSA SHEET by NISHANT CHAHAR

Question Link

Stacks

1 Next Greater Element on right
2 Next Greater Element 2
3 Daily Temperatures
4 maximum difference between left and right smaller
5 Stock Span Problem
6 Largest Rectangular Area Histogram
7 maximu size binary matrix containing 1
8 Valid Parentheses
9 Length of longest valid substring
10 Count of duplicate Parentheses
11 Decode String
12 Minimum Add To make Parentheses Valid
13 Print Bracket Number
14 Asteroid Collision
15 Backspace String Compare
16 Print Binary Number
17 Score Of String
18 Remove K digits From number
19 Car fleet
20 First negative Integer in k sized window
21 Addition
22 Gas Station
23 Maximum sum of smallest and second smallest
24 Min Stack
25 K stacks in a single array
26 Validate Stack
27 K reverse in a queue
28 largest Pair sum in unsorted array

Linked Lists

1 reverse LinkedList
2 K reverse
3 Floyd cycle
4 Merge LinkedList
5 Clone a linkedlist
6 find modular node
7 Remove duplicate from sorted
8 Find the middle element
9 Nth element from end
10 LRU Cache

Binary Tree

1 Inorder Traversal
2 Preorder Traversal
3 Postorder Traversal
4 Print ancestor of given tree
5 Binary Tree Level Order
6 Average of levels
7 All Nodes at distance K
8 Count bst in a given range
9 Binary search tree to greater sum
10 Binary Tree Cameras
11 Binary Tree Maximum Path Sum
12 Binary Tree to BST
13 right side view
14 Left View
15 Vertical order
16 Top View
17 Bottom View
18 Diagonal Traversal
19 leftmost and rightmost node
20 kth smallest element
21 Binary Tree Tilt
22 Print all nodes that dont have siblings
23 House robber 3
24 Boundary Traversal

Binary search tree

1 Lowest common ancestor in BST
2 Lowest common ancestor
3 square root decomposition
4 Delete Node in BST
5 Construct from inorder and preorder
6 Construct from inorder and postorder
7 construct bst using postorder
8 Inorder and level order
9 serialize and deserialise
10 Distribute coins in a binary tree
11 duplicate subtree in a binary tree

Mixed from tree (General tree, AVL,BST)

1 AVL tree
2 image multiplication
3 Binary TREE longest consecutive sequence
4 diameter of a tree
5 Kth smallest element of BST
6 clone a binary tree with random pointer

7 Flatten binary tree to linked list
8 Convert a binary tree to circular doubly linked list
9 Conversion of sorted DLL to BST
10 Merge Two BST
11 Pair violating BST property
12 Flip binary tree to match preorder
13 inorder succesor

14 Rabbits in forest

Arrays & strings (STL)

1 Array of doubled Pair
2 Find smallest size of string containing all char of other
3 Longest consecutive 1's
4 number of subarrays sum exactly k
5 Subarray sum Divisible by k
6 longest substring with unique character
7 subarray with equal number of 0 and 1
8 Substring with equal 0 1 and 2
9 same frequency after one removal
10 K closest point from origin
11 Anagram Pallindrome
12 Minimum number of refueling spots
13 Find all anagrams in a string
14 K anagram
15 smallest number whose digit mult to given no.
16 Group anagram
17 Huffman coding
18 Isomorphic string
19 Check AP sequence
20 Count Pair whose sum is divisible by k
21 smallest subarray with all the occurence of MFE
22 Morning Assembly
23 Kth smallest element in sorted 2d matrix
24 Kth smallest prime fraction
25 Max points on a line
26 Brick wall
27 Array Pair sum divisibility
28 A simple fraction
29 Grid illumination
30 Insert Delete GetRandom O(1)
31 Count of substring with k 1
32 Incomplete array
33 Long Pressed Name
34 Range Addition
35 Max range query
36 Magic Squares In Grid

37 Next Greater Element III
38 Orderly Queue
39 maximum subarray
40 K-CON
41 Rotate Array
42 Remove Duplicates from Sorted Array
43 X of akind in a deck
44 merge k sorted array
45 Grid illumination
46 Kth smallest after removing natural numbers
47 rearrange character string such that no two are same
48 Longest consecutive sequence
49 length of largest subarray with continuous element
50 length of largest subarray with cont element 2
51 Anagram mapping
52 Employee Free time
53 Line reflection

Heap

1 Binary heap
2 Build heap from array
3 Island perimeter
4 skyline problem
5 Pairs of coinciding points
6 trapping rain water
7 Trapping Rain Water II
8 Sort a nearly sorted array
9 bulb switcher
10 max frequency stack
11 Sliding window maximum
12 Swim in rising water
13 Heap sort
14 Product of Array Except Self
15 K empty slots
16

17 mathematics

18
19 Sieve of Eratosthenes
20 Segmented sieve
21 Squares of a Sorted Array
22 Fast Exponentiation
23 Fibonacci Number
24 Container With Most Water

Searching & Sorting

46 insertion sort
47 koko eating bananas
48 median of two sorted array
49 merge sort
50 smallest divisor given a threshold
51 wiggle sort
52 best meeting points

Graph

1 BFS of graph
2 Bipartite graph
3 DFS
4 detect cycle in undirected graph
5 Prim's Algo
6 Dijkstra algo
7 chef and reversing
8 Bus routes
9 evaluate division
10 topological sorting
11 Kahn's algo
12 course schedule 2
13 Strongly Connected Components (Kosaraju's Algo)
14 Mother Vertex
15 Rotting Oranges
16 bellman ford
17 Number of Islands
18 DSU
19 Number of Enclaves
20 Most Stones Removed with Same Row or Column
21 Regions Cut By Slashes
22 Kruskal's algo
23 Articulation point
24 Doctor Strange
25 Satisfiability of Equality Equations
26 0-1 matrix
27 Word Ladder
28 Job Sequencing
29 Eulerian Path in an Undirected Graph
30 Euler Circuit in a Directed Graph
31 Castle RUN
32 Sentence Similarity II
33 Number of Distinct Islands
34 Number of Islands II
35 Parallel courses
36 optimize water distribution in village
37 connecting cities with minimum cost

Dynamic programming

46 Find water in glass
47 cherry pickup
48 arithmetic slices
49 arithmetic slices 2
50 Largest sum subarray atleast k numbers
51 Maximum sum of 3 non overlapping subarrays
52 Remove min element according to constraint
53 Scramble string
54 Minimum score triangulation
55 2 keys keyboard
56 4 keys keyboard
57 Mobile numeric keypad
58 Word break
59 burst balloons
60 Encode string with shortest length
61 longest repeating subsequence
62 String is k pallindromic or not
63 Count distinct subsequence
64 Shortest uncommon subsequence
65 minimal moves to form a string
66 Paint fence
67 Paint house
68 Paint house 2

BFS/DFS

Sliding Puzzle
1 Find the Maximum Flow
2 Maximum Bipartite Matching
3 Reconstruct Itinerary
4 Redundant Connection
5 Redundant connection 2
6 Possible Bipartition
7 Floyd Warshall
8 Johnson's algorithm
9 Journey to the moon
10 Sort item by group accord to dependencies
11 As far from land as possible
11 K-Similar Strings
12 Similar String Groups
13 Coloring A Border
14 Shortest bridge
15 Min swaps required to sort array
16 Walls and gates
17 The maze 2

Text processing

1 KMP
2 Find string roots
3 Z algo

DONE

HINT