#### Savinay Patil Credit Suisse

## First Round's [TECHNICAL]

- Ducing stack, create queue, linkedust.
- @ Coresava in detail [ Refer Nitin Sir's Notes]
- 3 Questions based on Java [ Returning list from a program & should'nt allow additiona inside list] [Ans: Clone Method]

### Second Round : [TECHNICAL]

- 1 Restful API
- @ PUZZLES ENPOHI MAM'S MINDBENDER]
- 3 Datastructure [ Stack, Queup, Linkedfiet] [ Any question related to this datastructures]
  - Eg 6- 1 Reverse the linked list in there different
    - ( same as above with doubly-linked -

# Third Round:

- 1 C# basics + advance.
- 1 WPF
- 3 Serialization,
- 1 Locklings and different ways of locking.

( Walls

Consider N walls, each of unit width, situated next to each other.

You have to select any two walls i and j (1 < i, i, i) such that if you break all walls except i and j and fill spaces between Them with water, and j and fill spaces between Them with water, then The amount of water stored is maximum then the amount of water stored is maximum amount of water that a program to find the maximum amount of water that can be accumulated between the water that can be accumulated between the walls.

Array and The Tree

1. You au given an array of size N. The array is formed using a tree rooted at node I.

Array generation Code's

generate (node)

if (node = = 1) insert node into the array visited [node] = true;

for (all nodes in me adjacency list of node)?

Child = node in adjacency list

if (child is not visited)

Sinsert child into me away

you have to obtain The tree using the away and print the number of nodes in the subtree of every node.

· Sample Input Sample Output Raplanation-path=1-2-34-3-12-)1

(2) Unique Sub Sequence -

You are given randemly generated string of characters ranging from a to Z you have to tell no of anique subsequences that can be formed equal to following string "abcdefghis Klmnopgrstuuw xyz"

Note -A subsequence is unique when at least a single character has its index i.e. different from all other subsequences.

Print answer modulo 100000007

TUPUT OUTPUT 27 abcdetghijklmnnopgrstuvwxyzz 952 abedelghijklmnnopgrstuvexyzzz 4

Forgotten Report - a. 5

There are N cities in a state, you start your ride from First city. You have to visit all other cities exactly once and finally return to your origin city. After visiting each city, to you collect analysis report.

But when you reached lest visited city, you rememerhered that you did not collect report from city B. So, now you decide to first collect report from city to and then return to

your home city.

Given distances between each pair of cities, you are required to find shortest possible distance of your whole journey.

### INPUT ->

- O input begins with T (no. of test cases)
- 3 Contains to City No. Where you forget to collect report.
- 6 contains N (no. of lities).
- There are N lines, Ith line have exactly N numbers traving denoting distance from city I to all 'N' cities.

OUTPUT - For each test case print Mininum distance of total jamey.

Constraints -

157510 15N518 15K5N 05 dist(i,j) 5 (00

Sample Input