Popular Interview Questions

September 29|Harsh Sagar Garg
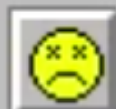
1. Flood Fill Algorithm

Flood fill is an algorithm mainly used to determine a bounded area connected to a given node in a multi-dimensional array

Applications

- **Paint Tool**

- **Minesweeper**
  (Video)

- **Solving Maze**

Flood Fill Algorithm it is!
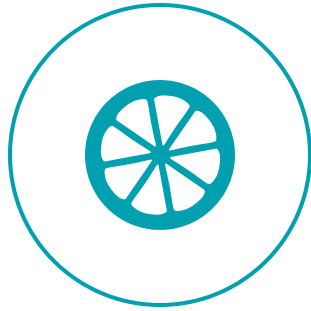-harshgarg27

Implementations

Implement using Rec

Using Queue

Popular Questions

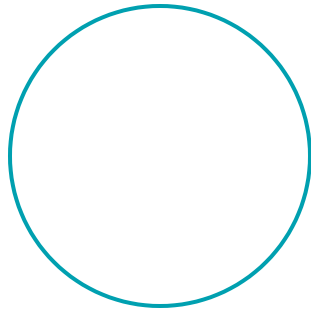**Rotten Oranges**

Kinght Shortest Path

LONGEST COMMON SUBSEQUENCE

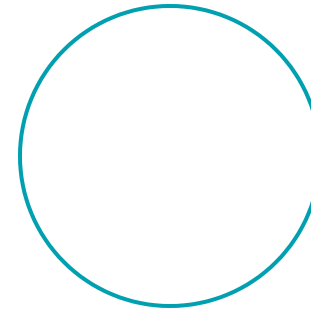Given two string sequences, write an algorithm to find the length of longest subsequence present in both of them.

Sort a Linked List of 0s,1s and 2s

Ways to solve

By counting occurances of 0s and 1s

By moving nodes to front and end of list

XOR LIST

Memory efficient List that does the work of Doubly Linked list by just storing 1 ptr per node

Generate Binary Numbers from 1 to N

Using QUEUES

One Edit Away

There are three types of edits that can be performed on strings: insert a character, remove a character, or replace a character. Given two strings, write a function to check if they are one edit (or zero edits) away. EXAMPLE yesterday, esterday -> true

Algorithm - One Edit Away

l1-length of 1st string, l2- length of 2nd string

- Length of strings is equal: REPLACE should be the edit
- l1<l2: Insert in l1 can be the option
- l2<l1: removal from l1 can be the option

Write an algorithm such that if an element in an MxN matrix is 0, its entire row and column are set to 0.

Print Just Smaller and Just Bigger Numbers having the same number of setbits