

Too Tutorial 5

OFS-) DFS means depth timet seasch uses
a stack to heap track of the next
location to visit.

> Children are visited before siblings.
Application!

beteching cycle in Oloaph.

2) Path p Finding

Topological Sorting

Solving puzzles with only one solution.

BFS:

11)

(3)

(4)

2.

- uses Queue Data structure,

Stands For Breadth First Search,

Sibling are varied before the children.

Application:

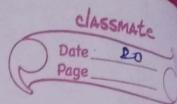
Shortes + path & minimum spanning tree For

unweighted ciraph

peds to peer network

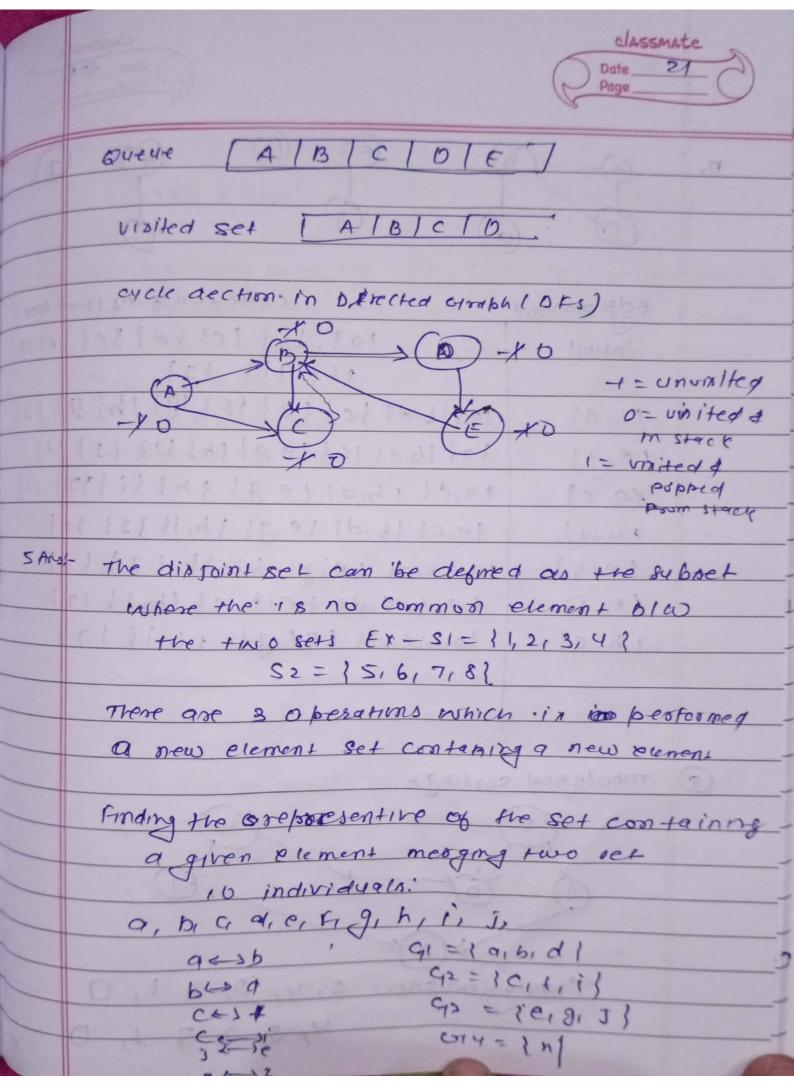
Social Networking website

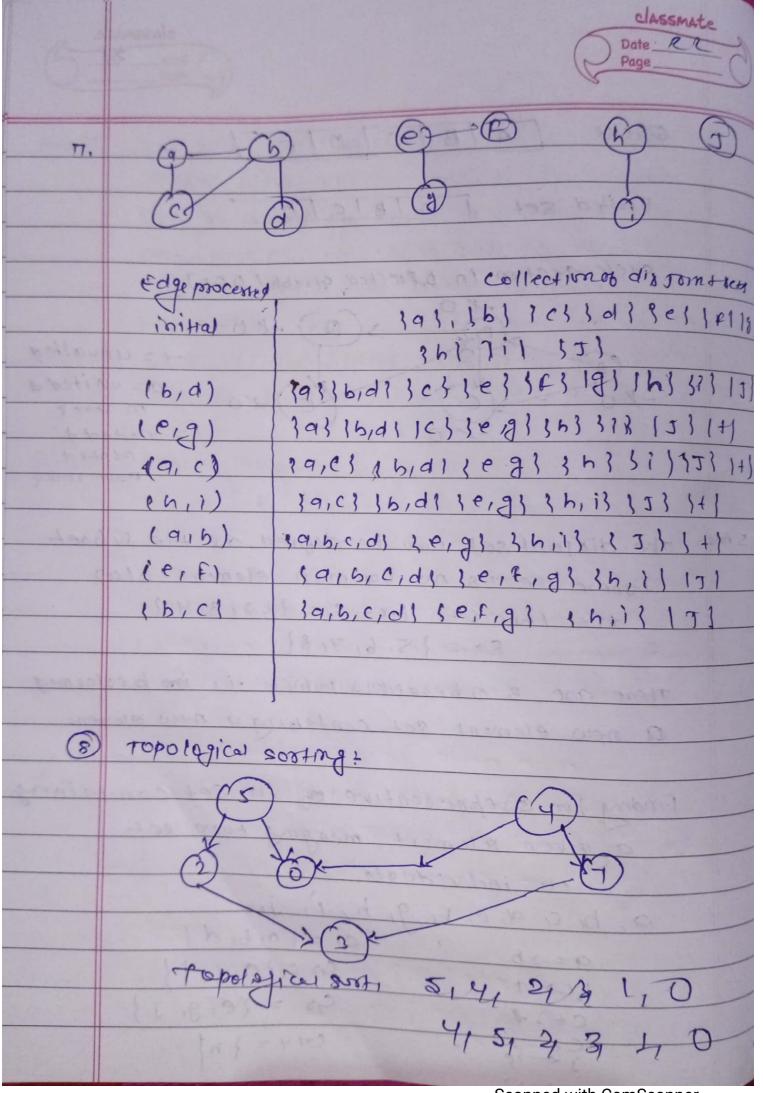
CIPS Navigation System



Scanned with CamScanner

In BFS IN e use Queue data Structure as Ans 21 avece used when things don't have to be processed immediately but have to be processed in tipo like BFS In dts stack in used as Dts use back of toacking . Poo DFs we setsive It Foom to the farthest mode as much ges possible this is the same ide as LIFO. 3 Ans; Dense graph is a graph which the noob edges in clope to the maximal no of me. edges. Spanne Gladph is a graph in which the mo of edge is close to minimal no of eague it can be dix connected grabbs Adjacency list are preposed for Sparke graph Adjacency mator Por dense graph 4 Ans: Cycle detection in Undwected Gloaph (Bts) -1 = ununited 0-3 moster quak 1- sources





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