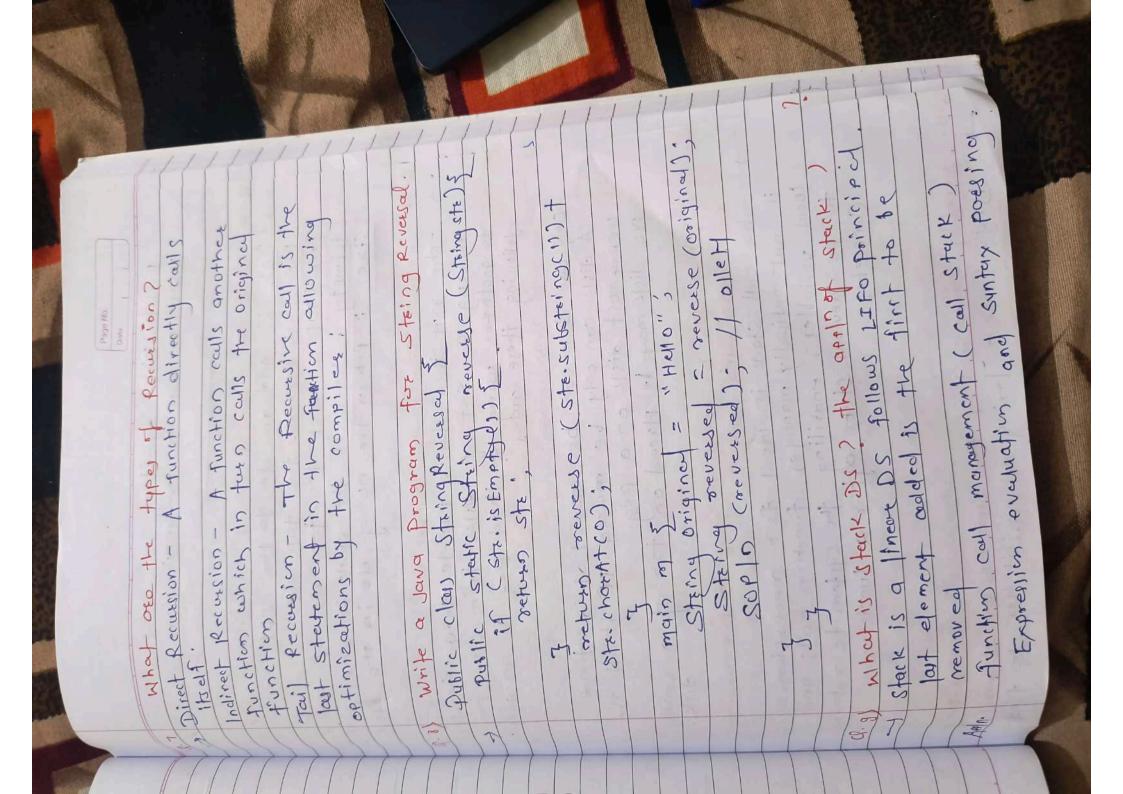
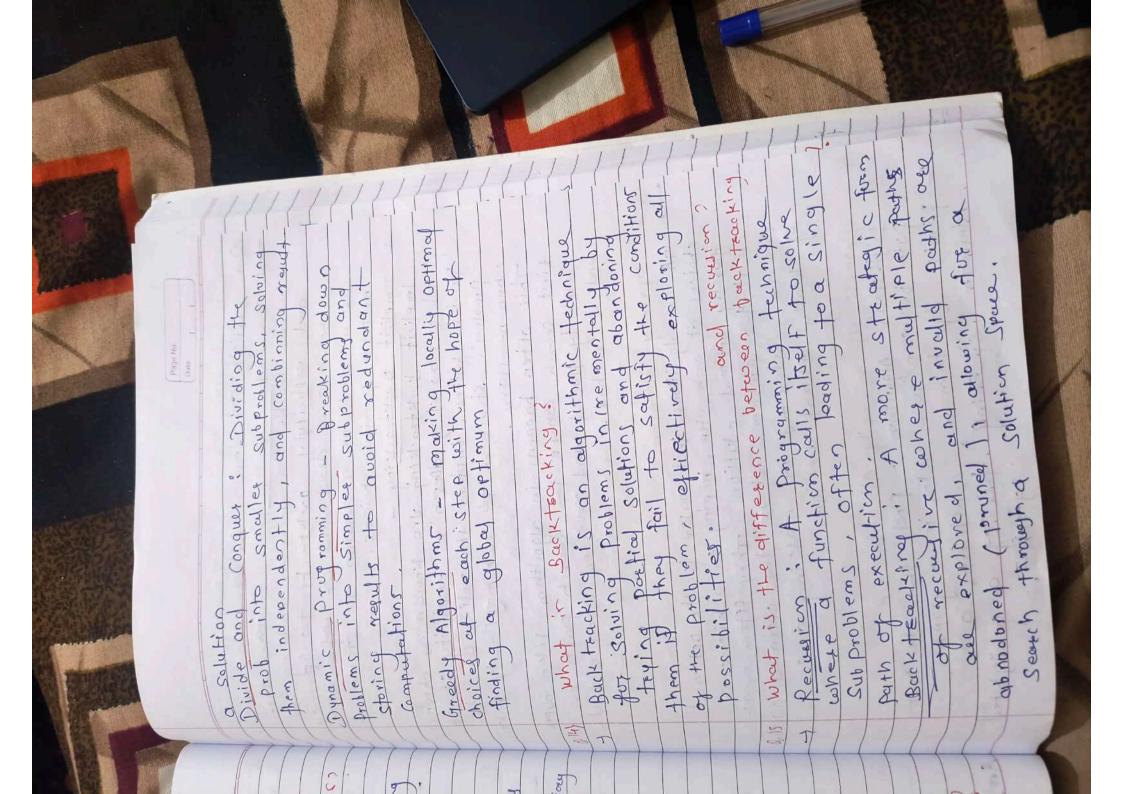
Schoolwing tree for Severth adjorithm dynamic data allocation is necessory, allowi Steuctures recuesion Performance in votions Computation at talks. DS are Specialized formals for organizing Networkling (eg routing tables)
Operating systems (eg glue wer for Process mean by Data structures? the coul stack. no data structured to grow and shrink Seen in linked list, A self - referential structure is a data efficient data managament and referenting data Scenorios where manipulation, allowing for optimal reference (OE structure wed Structure ? Page No. Sparial data structure list out the outed in which data to Perfum eg syntax treed Self - referential Ø B - 1500d extensively cteucture that contains exper on recuesion is primozy olate This ir Commonly Intelligence (eg Explain DS Used need 2 Storing tointer) to itself. OFISE 00) trees, and graphs Interview Question 700 ar needed. They chable applied What do Exploin its Proceding The need Compiled Astitical Explain Graphics d

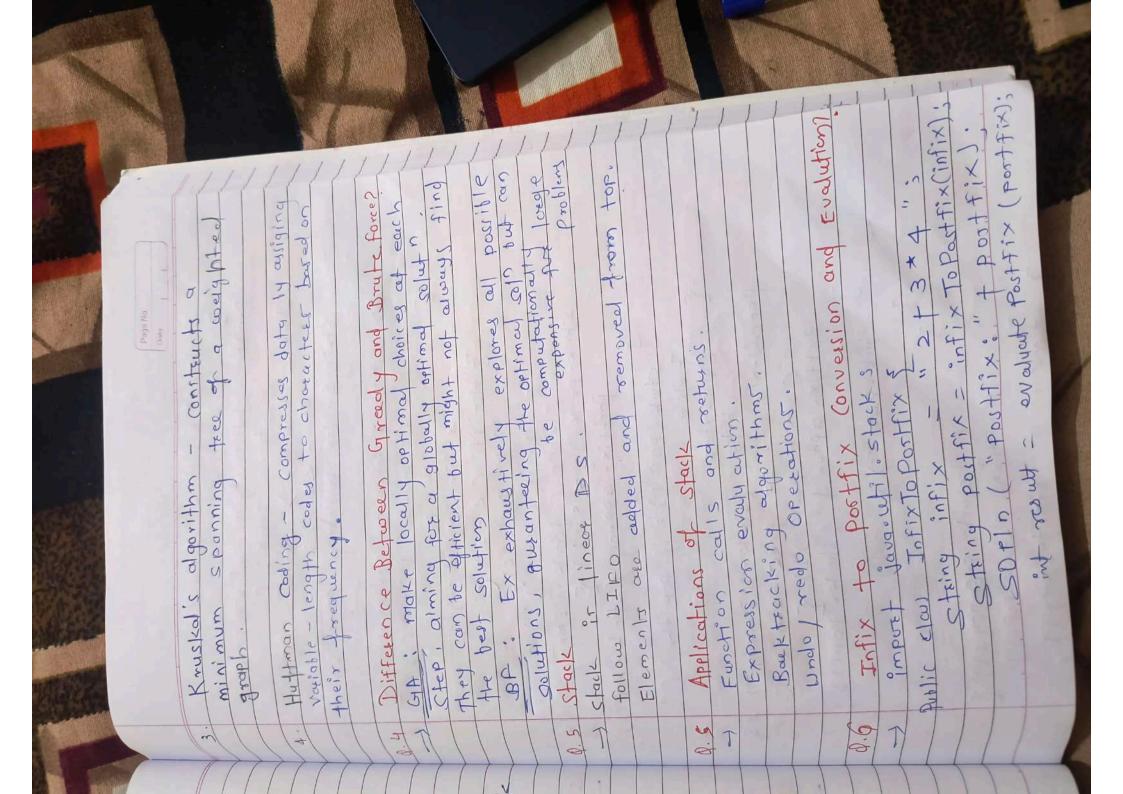
9 S itegentin is what is the difference between iterative method function call itself fere Date ally Can recouring method ? which one in femille Usey loops (for, while repeat operations. Generally consumer of hickent Smaller instence Problems where the depth of recuesion the ovetting Prob 'including Page No. More intuitive Depended on the Date AVL TEERS, etc.) subroufines or function calls, in Conquer Prob. while Smuller Subproblems More Stores infurmation about OF ten more memory extired SQ momony and can be stack Over flow. 4 I'm different types of abfined in terms of +rees, Heative Method -Recuesive machine BIOCHY Ced factorial Cearlibility APCIASION divide and to 50/vc coldress: Linked I'r H Hawh Table Jead to Stac /2 Armys Araphs mon O Treed and 19 6 0.6

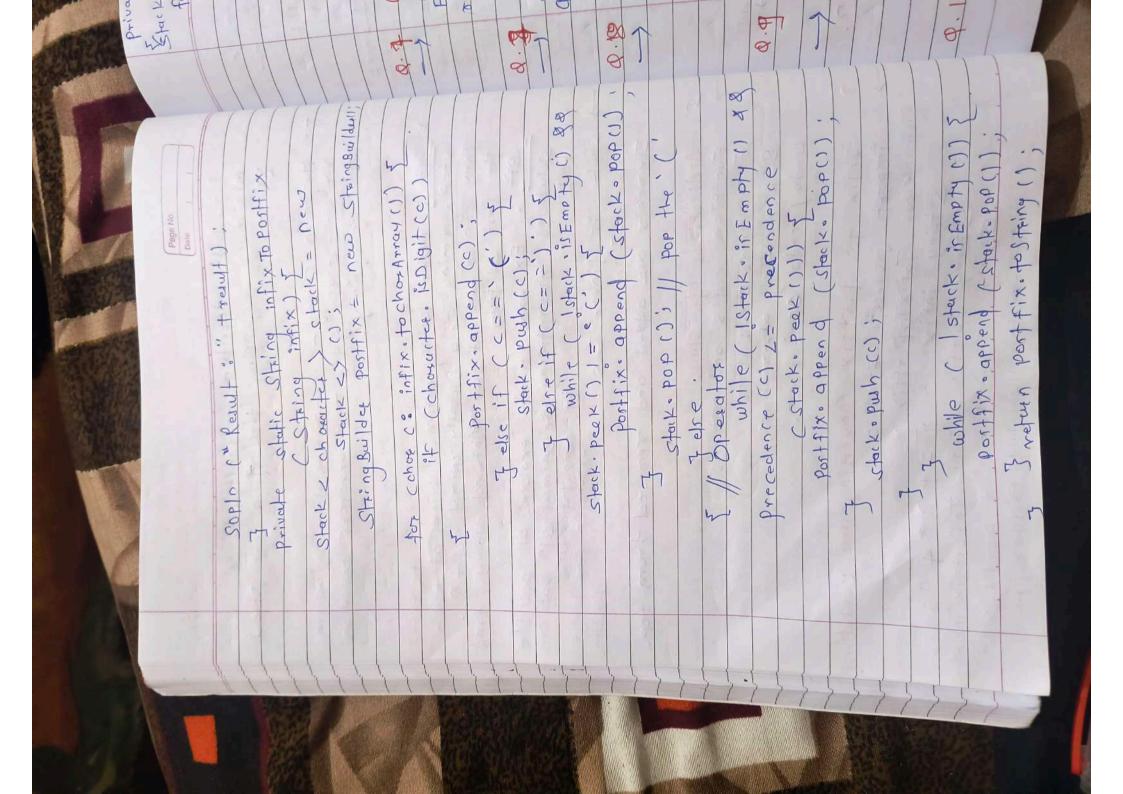


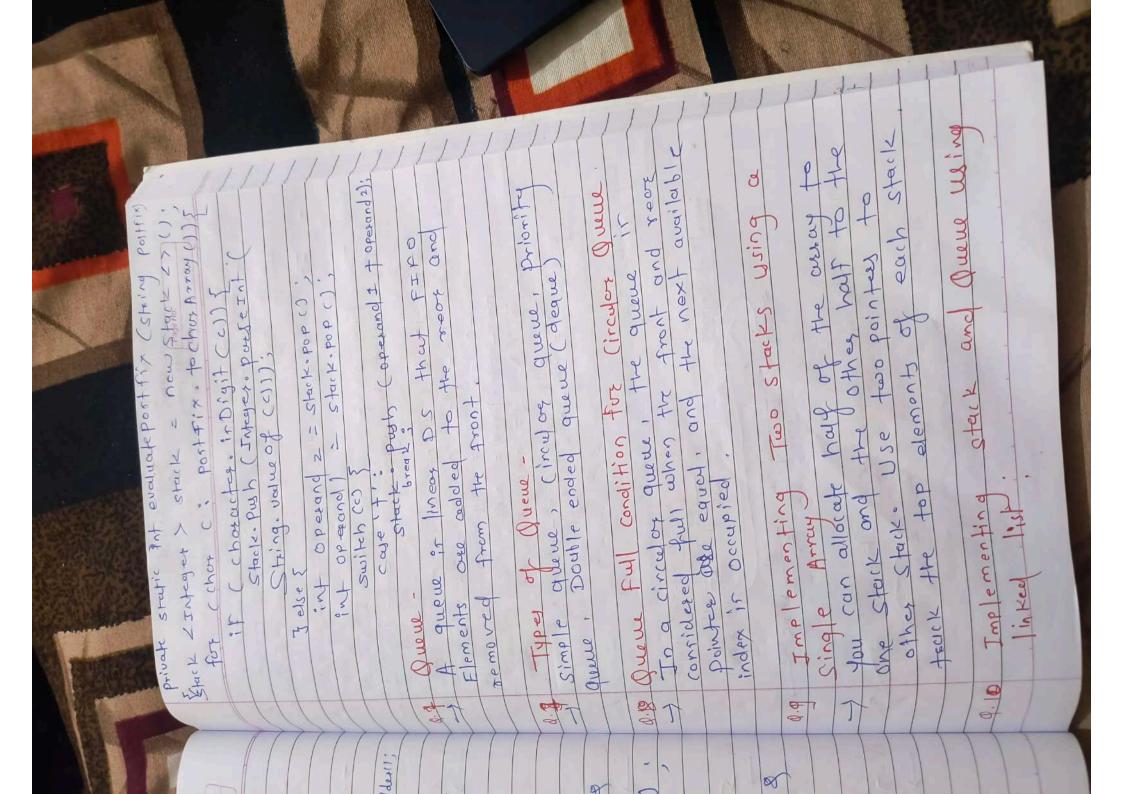
Backtracking algorithm Undo mechanism in application	What are different operat available in stack DC; Purb : Adol an ele to the TOP POD : Remove the top ele w/o removing peak / TOP: Gret the top ele w/o removing is Fingly; check if the stack is empty it is the no of ele is the stack Size : Return the no of ele is the stack	Toth is a set of there wing they man	any one disk can be moved at a time A disize can only be moved it it is the upper most diste on a peat of a smaller into disternay be placed on top of a smaller	hich DS is ideal to fee esation and why? e call Stack is ideal fore automatically managed fundamentally manag	The previous in pletes.	Kright Force (Hind and Passiville of Find
Backt	Q. 10 What Pouls Poop Poop Poop is Fmpt 7	The To moving to another to the total to the total to the total to the total t	Only on A dis	it aut	The The The The Aller Complex (Complex Aller)	J. Bruff

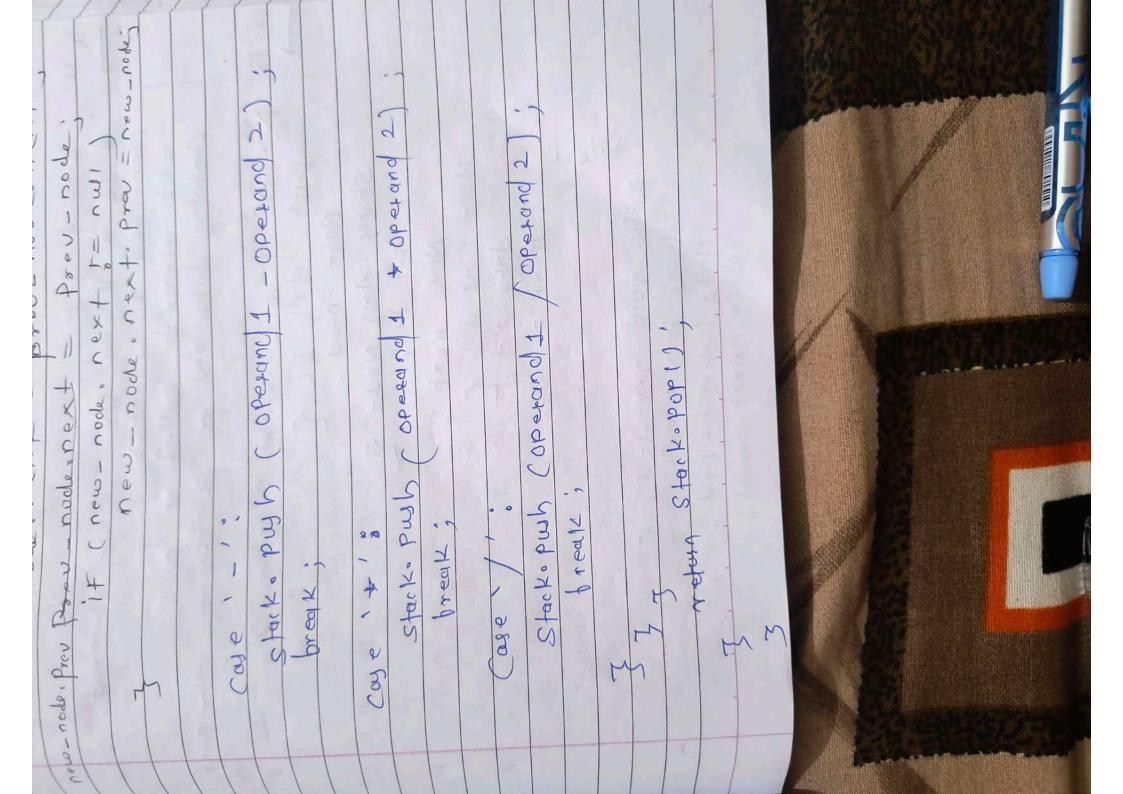


B 9 王 10 +he 4.00 0 globally orthing solution. They offer week well for problems where the orthmal solution Problem's Structure to automatically backtrail a weighte Implicit Backtracking alro Known ay chronologi algorithm astively tracks the decision maling. Proceed and explicitly beet tracks to providing stark when a dead end or infectible solv of locally oftinal devicions. Thir often happens in againsthm like dupth - Finals the street-ut cal backtracking appern't explicity store instead it relies do the is a stack or recussion to store and implicity traced and reversed when a dead GAA are algorithms that make locally optima choices at each step, hoping to achieve a nodes in a graph Constructe. 9 Explicit and Implicit Rackteacking Dijkstra's Algerithmy - Finds the of raph There of mestore previous choices. Gredy Algorithms Prim's adoor Inin path between two Spanning reathed when necessary. Previous choices, end ir minimum 0 2 4









4 3 41.80 noch the nort the array to one Ir at the tail the top where topod ele singly the whose the front is elements shortcomings of the other half to the other stack the stack the stack the stack the stack the Binter to noche Page No. over 11 producin Node (we ent = head where reverde () news HONG prove = null connected by pointed. of each stack. Conteins dute and a Reversing LL Write - 130 11 class Node Stack - Use a singly THE Node next. linear DS J. (lo mi) intoloter, head , public void Noot the Mead and Stack. Use too public class P100 1 1= Node Use a Static 11 2 8 Z element Linkes - mond af 4 0.12 = 8

