Name: AKSNAT SINGMAL 84 : CS1\_SP1 1 Rolling & OY Tutorial s BFS is used D Queue data strudure is used @ weful when distinction Desertices closer to node is farther from source node. 3) two suitable for deiver 3) More suitable for game making trees used is or pungle problems. glames or puzzles. (9) Siblings are winted before (9) children are united before The siblings.

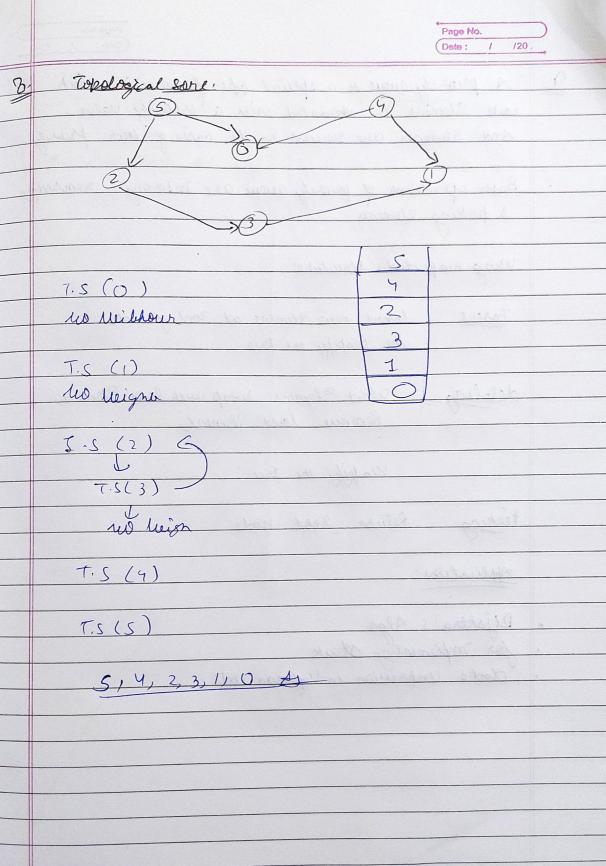
(3) Requires lesser menory. (5) Requires more minory APPLICATION: APPLICATION hased to find all neighbors a graph. We can detect yules in 2. BFS is implemented using alleve data structure belowe BF. S ouplores the closest wertures first and the moves away from the source. So, we need a data structure stron gives us the older cloment based on the order they were inserted, that is uny we use queue for BFS. DFS is used to detect yells, so we have to bountrack, bartracking is possible by using stark for of 5.

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BFS: Start node: G , Dest: B Action uisited Froest D. F. H Removie Gr Frent C G, D, F, H Renous D FINI Rendu & F · G. D.F.MC G, D, F, M, C Remove H Frent E GID, F.M.C Renoue Renow E 6, D, F, H, C, E Insert A A Renous & G, D, F, N, C, F, A mycrt B & Path is GDFMCEAB GADAFAMA (AEAA AB

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	The property of	100000	B Pulls is
		26.	



A priority queue is a special type of allew is which rown Glement is associated with a priority value.

And glements are served on the basis of their priority. Basis operations of priority arew are meeting, removing wing heap data Houiture! the heapty on tree Remove last Clement, deleling Mappy the Tree Return book node Application! · Dijsktra's Algo · for implementing stack · don't a compression in hyponan code

Page No. Max & Mis Keap diff: 10 Mose present at the root node In him heap the key must be greater or equal among the keys present as all of its dildres. present at the root must he sens than or aqual anong keys present at all of its children. Alparent node are large All parent now are smaller than child node Kox-peop uses desiending Min-Map uses assending priority. on rost heals highest priority is or largest the on his theat, highest themen