21/1/2022 limit = 10 ₽£. Depth Limit Search Let fringe be a list containing initial state If the fringe is empty return failure; ولا و Node < remove first (Fringe) if Node is goal neturn path from initial state to Node else if depth of Node == limit return cutoff; else Expand Node and add all generated Nodes to the front of fringe. End Loop. Complete of Not ~ optimality :- Not . ~ Depth-First Iterative Deepening Search (DFID) Approach : first run DFS on depth O (Treat that Root node has no successor) If no solution exists then do run DFS on depth ! and so on. C=0; Until solution is found do Run DFS with depth cutoff C ; c = c + 1End C= 1 Time Complexity

BFS = O(bd) Completerers :- Yes Optimal ~ DFS = 0(6m) Time: Worse than BFS/DFS Space: O(b.d) [same as DFS]



