Manual exec.: BFS, DFS, Ford's Alg., Djikestra (+ reeverse), A*, rhum's Alg., DAG topo. sont by predecessor count, DAG topo. sont by DFS, Floyd-Warshall, Ford-Fulkersom, truskal, Vertex cover

BFS-breadth-first reakch - iterative w/ gueue (7iFo) - check if I paths - some complexity - add start made to gueue -> - pull a made - process if mot seem -- add each unseem adjacemt node to gueue DTS-depth-first nearch

- on a stock (LIFO) cen use recursion - complete search, finding all paths, ---Time: O(IVI+ (E1); Space: O(N) add start node

Pull mode from stack - if not seem: odd to seem & process - add its children

om the STACK (if umseem)

Ford's Algorithm - whenthest path from a nounce vertex to all the other vertices V-1 iterations (vis the number of vertices) (Bellmom-Ford)

at start.

10 00 12 00 8 A B C D E

_ we them take mode (A) and nee rue com reach to node (C)

- we take (B), we don't know how to reach it so we skip

- we can get to Bfrom

_ me exib(D)

- we get to O from (E)

... iterate a total of V-1 times & update only when we get a shorter path

[ex]: Heratism 2, when reaching (1), the paths to (A) d(C) change

If no values change during an iteration, the execution can be stopped.



