R a DAG 1 a OHG 15 a tree Assume our graph is a tree with branching fuctor b "dosest good" is at depth of depth, number of edges trocky issues: D multiple gouls, at differ depths 1 tree can be infinite deep Cost (s = +) = 1, for all edges s= + Then Pa is a queue -> BFS Completuss: Will find the goal of it exists.
optimulity: Will find the shorest goal.
Space complete: O(ba) f=O(y) of fifin gin are functioned and (had)
It > N: th > N | fin) ≤ C | g(n) gin) are functions · time complexity: O(H b+ b2+b3-bd)=O(bd+1) (had) idea: replace c+ ws+ (s>+) with a loop Counter > DFS incomplete: assure tree finds depth D optimality > space: O(d(b-1)) very good. time: OC) (tt) bedden? Starting from DFS But: For threshold = 1,2,3, ---(depth out off) Do DFS from So, but adoft at level threphald. completeress V, Offmul V Spare: 0 ((b-1) d) J