



· Explones as far as possible. · Explones all neighbors at current depth before moning on to the vertices at the next depth. (level by level) Factors determing Search "Difficulty" · Breadth / branching factor (b = 4)· How many actions are available at a state? • Depth (d=5) · Maximum length of an action seq. · Maximum length of a solution Complete Optimal Algorithm: Time Space $O(b^m)$ O(bm)DFS N N (bd) (bd) BFS b = branding factor d = depth of shallowert goal state m = max. path length