





Hill climbing search Problems: O Cocal mosima (3) Ridges 2 Plotesia Solution: Using efficient Heusistic function Heuristic function Heuristic is a rule of thumb that may help to solve a given problem. The purpose of a Heuristic function is to Earlie such process in the most profitable direction by suggesting which path to follow first when more than one path is available Hill climbing algorithm Algorithm Evaluate the initial state if it is goal state then quit others make current state as unitial state IIe Select a new operator or function that could be applied to this state & generate a new state. 11. Evaluate the new state If this new state is closer to the current state then IV. make the new state as current state if it is not better then ignore the state & proceed with the currer If the convent state is not the goal state I no no

Page_ operator or function are available then quit otherwise Soto step 2. A* search algorithm. Min-man algorithm d-B algorithm 1 If a ≥ B then prun. min O max a=-00 B=00