LABACE (6) Implement At Search Algorithmen.

(b) Implement Hill Climbing Algorithms.

Jon & Guars At also [shortet path from initial point to a goal ]. "Initialize a Starting point assuming to be"1" 'Also assuming endgoal to be "4" Refering a set of unvisited nodes so pick the nodes on the basis of priority quees, traget which seems the based on f(score) of the node. ((score) = g(score) + h(score) actual district Estimated distance travelled so for end goal Look at neighbour & kop on updating path.

Add the neighbour to the list if
it hasn't been visted with a lower of
Score before Then track back the node travelled to obtain the path.

Howishelh I No of queens pain attacking 97 - No. of quosis placed so for page 35 goal placing all on the board Such that they do not attack asch other. It de calculate attacking pairs (board): attacks=0 Jori in marge (n) Jorj in Grange Citl, no:

if board [: g = board[j] or

abs (board) = board[j] == abs(i-j): return abacks 111 de la star 8- quens (n=8). open set put (10, 17) for col is range (n):
new-board = board + [col) if loo (new-board) <= n: 9-score = len (new - board) Oh-Scare = Calculate - attacking pairs (new board) J- score = 9-score + h-score So, now