Hill climbing search for 8-queens; anguels C conflicts = 0 for 100 to 7 for jeit to 7 of (board[i] = = board[j])... // cheeks if 2 queens can attack each other on not il yes, merements conflicts. confick+=1 selver conflets hill-climb() grandomly assign 8 queens in each now of the board. con = conflicts (board)

Best -move = wment -stoke) while ( now = 90 ws) C = conflicts (board) il (curent position of the green is in conflicting position) 4013 H go to the next soon and toutter min (c, con) & pmf ("solution found! pmot the position of the queen on board) if (conforts = =0) print ("No solution found!) else A\* search for 8 queens longlick() à conflich = 0 for seo to 7 for jointo 7 I 2 queens are in confucting position Conflicts ++ z sehm conflicts

A & search () min-heap = 23 alow = ( arow < orons) I check for each grow while ( arow < orons) if (congrios == odd now = = grous) pmtf ("Solution pourd") min'heap-push (n) if Copenlas (Figur 7 < min-heap. peak ()) open . list append (n) orehm open-list AA gearch de hourstra (board): for s in gronge (len (board)): for j in orange (it lun (board)): if (board [i) = = board [i] or als (board [i] - board [i Output: Solution board Cotumn position for each now): [0,4,7,5,2,6,1,3] Bolubor hoard Coolum po & Mon for each grow : [5,3, 1,7,4,60,2]