tou id to you

if next attacks >= curent attacks break 1 1 1/21 State = next\_state. Current a Hack - New attack Defene a function display-board. pri: la range (8): Ches u u pri in range (8)? · [ State[1010]==col Carte "Q" else line += "." print(lini). for Por range (attempts) solution = hill\_dinbing Pt will chara poetro best solution and if will print the best solution -P Ax por & queen Parpart heapy and los stooks deling class node: Constrol of det falt (self, state, g, h): Self- State = State Self- 9-9 delf. h=h Self. JEgth. def It (set), ather): side self + cother +.

def heurske (state) 2 mm 1 mm 1 mm attacks = Oming Wangs and and pu & for vange Cler (state)? prifornage (1+1) leachtate): - Eight Skale Ro Eight & == Eight Aderig-Staterill==j-i: Elle attack 4=1. retien attacks, while def a-star-8-queensci: Polkal\_state = tuple([-1] \* &) tropen\_set=[] " -4. 2m2) heapq. heappush Copen-set; Nodelinikal-state, 0, heuxeske (enikal\_state)) vested = set 0 (2/2001) 2 forde on possible while open-set: (unent-node = heapq heappop (open set), Current state = current-node state ?) consent-node, h==0 and -1 not for consent-state ie hint consent state in 17 1819 Pr current state in urofted? confine. uesPted. add(current\_state) nent-row = carrent-state ander (=1) ? -1 in cursent state else lencourrent-stocke Pf next son C8° pu col son lange (8): offered to new state ellet (consent, state) do new state [next 200] 2 col newstate=tuple(new state) ig new-state not to vested? 9 = convert-node og +1

h= heuxiskc (news state) heapq heappush (open set node (new-state, g, b)) rehun wore des desplay board (state): position in langelesie · (200 3 4 1) pa col la range(8)? Pf State[2000] == col? line t= your and Claret : -7 yoursely strate . 1 1. 717 - 9 l'ne + = " output e préntes partos par la company de la company solution = a-stor-8-queensco 9 solutions. per ("Ax solukone") deplay-board (solution): in else? A day to han a - and other trousing Qo. coo. puent (" no solution pourd.") charles of alpha treasur it Hell Climbing Folist / Acousens 1 hot 12 a to 26 90 810 import random valing stade trecurs - Good drawn des calculate attacks (state) attacks =0. part in sangellen (state): ( for in langer (+1, lent state)); 1 State [?] == State[?] on abs(state[?] = 9-9= == ([]) == 1-9= attacks +=1 rebus attacks. . .

det hell-clembing-8-queens ():. State = Crandom. Landent (0, 7) por in Lange (8) ] cussent-attacks = calculate\_attacles. (Atate) para-in uangellos: nelghous=[] for you in large (8)? por col en mange (8): eg state (2000) 1/2 col neighbon = state [6] . (" color Jrodyplan col. Marche nerghbous: append (nerghbos) next state = men (neighbors, rey= calculate attacks next\_attacke= calculate\_attackes (next\_sterte) Ef next-attacks >= consent-attacks: break. state = next state : Cuspents attacks = next attacks, repuso state, current-attacks. det desplay-board(state): . (8) appear of war key line e " " ps col in sange(8)? Py state (Sour) == (010 line += 4 94 else? Line t= 4. m prent (lene) ()trilid best-solution = None. best attack = ploat ('Pop'). attempts = 10.