(los) apristo in i my

relate workers

and makers

- 000 GOO 1

Aim :

To folia the N-gueen purodem where the goal is to place n queens on a nxn cheff board such that no hoo general altack each officer. I work prove the 1 - 10 Ci Drond 10

Abouttim:

flep 1: flant

12 Jas brass 17 00 11 whom to plapa: create a nxn cheffboard with all cells let to 0, representing no guerns placed.

tops: It name no guear is in the same, wow upon diagonal or lower diagonal for a given position.

: Try placing a guen in each van of covernt column -tup4 of it is take using itstake it is

. More to the next column if placing a gueen works, the took back by vernoving gueen. Is !

: If gueen over pload in all columns vieture fucust. Tep 6

: Difflay the board.

sprott by to w (o) 2 broad . If no tolution exists point tolution diag not exist.

```
Pulpylam: avaldant many 11
  def & take (boomd, now, w, n):
   for i in vange (col):
  if board [wow] [i] = = = i or or or
       reprint tate that your proof sons war to so success a
   for i, j in zip ( vange (vow, -1, -1), vange (cd, -1, 4)).
     if board [i] [i] = = 1:
      return false
      return true
   det joine Ngu Kil [board, col, n):
     if not >= n: pood twong on bigatoring
        vieturn time
Love for the mornange on set is it was on ower !
  if it take (board, i, col, n). lovopoile mound no
The plant a direct in the Elens fill proof comme
  If folice Ngu til (board, col +1, n) = = buo:
the velow o brue to f plant if plant or evol
  board [i] [col Je = 0 privarion pt tool but salt
 vieturn false words to we book sow was it
   de john Ng(n): brai it popili
                                                 190
   board = [[o]*n for in mange (n)]
    if tolve Nigu til (boomd, o, n) = = fale:
```

(104 gx

print ("jolution does not exist") 6 04 45viction falue : dol for i in board: print (i) (a (211) short trill alph transfer of Metion brue n = int (input (" enlar n value :") browch of popular balon hot booking folue ngin) Output: Just : 1 gd4 enter n value: 5 to 0, 0, 0, 0, 0, 0 but wat plans on ilotolist is got . Jebov baliziv jo [0,0,0,1,0] of old pided of ind eque [0,1,0,0,0] to vide with all a got [0,0,0,0,1] it and about got est got a got ilars begger sit years no trive of sight dop : For each adjacent unrighted supplicant of the paper and Result by Logist the modificum or visited Thus the n-queens problem pringing is executed a the output is souted fuccestfully do bous to the tought of got

pt : 11 get