EXPERIMENT 10

Python program for 8 queens problem

print ("Enter the number of queens")

N = int(input())

# here we create a chessboard

# NxN matrix with all elements set to 0

board = [[0]\*N for \_ in range(N)]

def attack(i, j):

#checking vertically and horizontally

for k in range(0,N):

if board[i][k]==1 or board[k][j]==1:

print ("Enter the number of queens")

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def attack(i, j):

#checking vertically and horizontally

for k in range(0,N):

if board[i][k]==1 or board[k][j]==1:

board[i][j] = 1

if N\_queens(n-1)==True:

return True

board[i][j] = 0

return False

N\_queens(N)

for i in board:

print (i)

OUTPUT

