Code:

```
import random
from array import array

board =
[[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0]
,[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0]]
neighbour =
[[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0]
,[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0],[0,0,0,0,0,0,0,0]]
queens = [0,0,0,0,0,0,0,0]

def collision_count(column,row):
    coll = 0

    for j in range(8):
        if j == row:
            continue
        if board[column][j] == 1 :
            coll += 1

    while(column < 7 and row < 7):
        row += 1
        column +=1
        if board[column][row] == 1:
            coll += 1

    while(column > 0 and row > 0):
        row -= 1
        column -=1
        if board[column][row] == 1:
            coll += 1

    while(column > 0 and row < 7):
        row += 1
        column -=1
        if board[column][row] == 1:
            coll += 1
```

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        while(column < 7 and row > 0):
            row -= 1
            column +=1
            if board[column][row] == 1:
                coll += 1

    return coll

def totalcoll():
    totcoll = 0
    for i in range(8):
        totcoll += collision_count(i,queens[i])
    return totcoll

while True:

 for i in range(8):
     queens[i] = random.randrange(0,8)
     board[i][queens[i]] = 1

 totalcollision =   totalcoll()
 while True:
  for i in range(8):
     oldqueen = queens[i]
     for j in range(8):

         queens[i] = j

         neighbour[i][j] = totalcoll()

     queens[i] = oldqueen


  min = neighbour[0][0]
  minqueencol = 0
  minqueenrow = 0
  for i in range(8):
      for j in range(8):
          if(neighbour[i][j]<min):
              min = neighbour[i][j]
```

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                minqueenrow = j
                minqueencol = i

    if min<totalcollision:
        totalcollision = min
        queens[minqueencol] = minqueenrow
    else:
            break

  if totalcollision == 0:
          break

print("a")

for i in range(8):
    for j in range(8):
        print(board[i][j])
```

Output:

```
...    array([[0, 0, 0, 0, 0, 1, 0, 0],
              [0, 0, 1, 0, 0, 0, 0, 0],
              [1, 0, 0, 0, 0, 0, 0, 0],
              [1, 0, 0, 0, 0, 0, 0, 0],
              [0, 0, 0, 1, 0, 0, 0, 0],
              [0, 0, 0, 0, 0, 0, 1, 0],
              [1, 0, 0, 0, 0, 0, 0, 0],
              [1, 0, 0, 0, 0, 0, 0, 0]])
```