```python
print ("Enter the number of queens")
N = int(input())
board = [[0]*N for _ in range(N)]

def condition(i, j):

    for k in range(0,N):
        if board[i][k]==1 or board[k][j]==1:
            return True

    for k in range(0,N):
        for l in range(0,N):
            if (k+l==i+j) or (k-l==i-j):
                if board[k][l]==1:
                    return True
    return False

def calculate(n):

    if n==0:
        return True
    for i in range(0,N):
        for j in range(0,N):
            if (not(condition(i,j))) and (board[i][j]!=1):
                board[i][j] = 1

                if calculate(n-1)==True:
                    return True
                board[i][j] = 0
    return False

calculate(N)
for i in board:
    print (i)
```

```
Enter the number of queens
4
[0, 1, 0, 0]
[0, 0, 0, 1]
[1, 0, 0, 0]
[0, 0, 1, 0]
```