```
#include<bits/stdc++.h>
#define N 4
using namespace std;
void printboard(int board[N][N])
  for(int i=0;i<N;i++)
  {
    for(int j=0;j<N;j++)
    {
       cout<<board[i][j]<<" ";
    }
    cout << "\n";
  }
}
bool isSafe(int board[N][N],int row,int col)
{
  int i,j;
  for(i=0;i<col;i++){
     if(board[row][i])
       return false;
  }
  for(i=row,j=col;i>=0\&\&j>=0;i--,j--){}
     if(board[i][j])
       return false;
  }
  for(i=row,j=col;j>=0\&\&i<N;i++,j--){}
    if(board[i][j])
       return false;
```

```
}
  return true;
bool nqueen(int board[N][N],int col)
  if(col >= N)
     return true;
  for(int i=0;i<N;i++)
  {
     if(isSafe(board,i,col)){
       board[i][col]=1;
     if(nqueen(board,col+1))
       return true;
     board[i][col]=0;
    }
  }
  return false;
bool solveNQ()
  int board[N][N]={
  \{0,0,0,0\},
  \{0,0,0,0\},
  \{0,0,0,0\},
  \{0,0,0,0\},\
  };
```