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*****
                           Online C++ Compiler.
             Code, Compile, Run and Debug C++ program online.
Write your code in this editor and press "Run" button to compile and
execute it.
*********************
*******/
#include <iostream>
using namespace std;
int NQueen(int r ,int n);
int x[20],count;
int place(int r,int c)
{ int i;
     for(i=1;i<=r-1;i++)
          if(x[i]==c)//column
          {
               return 0;
          }
          else
               if(abs(x[i]-c)==abs(i-r))/diagonal
                {
               return 0;
          }
     }
     return 1;
int print(int n)
int i,j;
cout<<"\n\nSolution\n\n"<<++count;</pre>
for(i=1;i<=n;i++)
 {
```

/************************

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cout<<"\t"<<i;
 }
 for(i=1;i<=n;i++)
 {
     cout<<"\n"<<i;
                  for(j=1;j<=n;j++)
                   {
                         if(x[i]==j)
                               cout<<"\t Q";
                         else
                               cout<<"\t -";
                   }
 }
return 0;
}
int NQueen(int r,int n)
{
     int c,i;
    for(c=1;c<=n;c++)
    {
         if(place(r,c))
              x[r]=c;
               if(r==n)
                    print(n);
               }
               else
               {
                     NQueen(r+1,n);
               }
         }
   }
   return 0;
}
int main() {
```