```
//dumb 8 queens using a 2-dimensional array to represent the board
 #include<cmath>
#include<iostream>
using namespace std;

bool ok( … what goes here …){

… and here …

};

void print( … what goes here … ){

… and here …

};

int  main( )
{ int board[8][8]={0};
   int count = 0;
   for(int i0 =0; i0 <8; i0 ++)
      for(int i1 =0; i1 <8; i1 ++)
         for(int i2 =0; i2 <8; i2 ++)
            for(int i3 =0; i3 <8; i3 ++)
               for(int i4 =0; i4 <8; i4 ++)
                  for(int i5 =0; i5 <8; i5 ++)
                     for(int i6 =0; i6 <8; i6 ++)
                        for(int i7 =0; i7 <8; i7 ++){

                        // use the indices of the loops to set a configuration in array board
                                    …
                        // if this configuration is conflict-free, print the count and the board

                         if(ok(board)) print(board, ++count);

                       // reset the board for the next configuration

                                    …

                       }
   return 0;
}
```