**Monk and Nice Strings**

Monk's best friend Micro's birthday is coming up. Micro likes Nice Strings very much, so Monk decided to gift him one. Monk is having *N* nice strings, so he'll choose one from those. But before he selects one, he needs to know the Niceness value of all of those. Strings are arranged in an array *A*, and the Niceness value of string at position *i* is defined as the number of strings having position less than *i* which are lexicographically smaller than A[i]. Since nowadays, Monk is very busy with the Code Monk Series, he asked for your help.  
**Note:** Array's index starts from *1*.

import java.util.\*;

class TestClass {

    public static void main(String[] args) {

        Scanner sc= new Scanner(System.in);

    //n is for single input provision

        int n = sc.nextInt();

        String[] sarr= new String[1010];

        int x = 0;

        sarr[0] = "A";

        for(int i = 1 ; i <= n ; i++) {

            String str = "";

            str = sc.next();

            for(x = i - 1 ;x >= 0 ;x--) {

                if(sarr[x].compareTo(str) >= 0) {

             //Lexographically comparison

        // A a => 97>65 => 1

        // A A => 97==97 => 0

        // A B => 97<98 => -1

                    sarr[x+1] = sarr[x];

                }

                else {

                    break;

                }

            }

            System.out.println(x);

            sarr[x+1] = str;

        }

    }

}