

All Tracks > Algorithms > Sorting > > Problem

# Monk and Nice Strings Attempted by: 4637 / Accuracy: 73% / Maximum Score: 20 / ★★★☆☆ 53 Votes Tag(s): Easy

IVE EVENTS

PROBLEM

**EDITORIAL** 

**MY SUBMISSIONS** 

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 need 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.

## Input:

First line consists of a single integer denoting N.

N lines follow each containing a string made of lower case English alphabets.

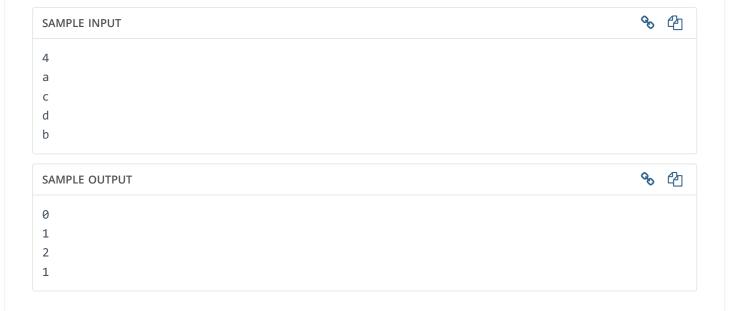
# **Output:**

Print N lines, each containing an integer, where the integer in  $i^{th}$  line denotes Niceness value of string A[i].

### Constraints:

 $1 \le N \le 1000$ 

 $1 \leq |A[i]| \leq 10 \ orall \ i \ where \ 1 \leq i \leq N$  , where |A[i]| denotes the length of  $i^{th}$  string.



# **Explanation**

Number of strings having index less than 1 which are less than "a" = 0

Number of strings having index less than 2 which are less than "c": ("a") = 1

Number of strings having index less than 3 which are less than "d": ("a", "c") = 2

Number of strings having index less than 4 which are less than "b": ("a") = 1

?

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Time Limit: 1.0 sec(s) for each input file.

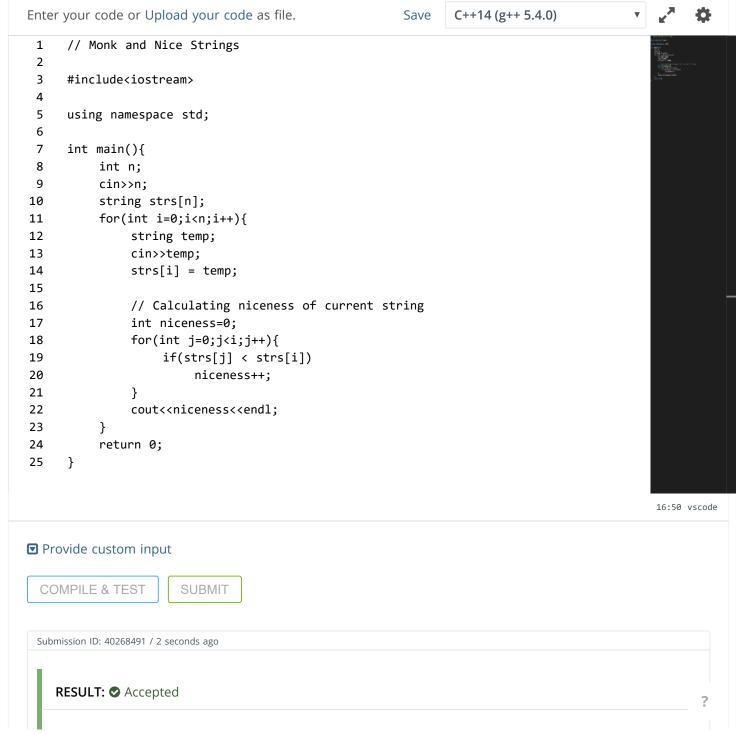
Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Marks are awarded when all the testcases pass.

Allowed Languages: Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic
```

# **CODE EDITOR**



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Score         Tim           20.0         1.01		e <b>(sec)</b> 926	Memory (KiB) 64		Language C++14		
Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
Input #1	•	0.101662	64	10	45	<i>\d</i>	<b>(</b> )
Input #2	•	0.101604	64	10	<i>ট</i>	மி	(I)
Input #3	•	0.101909	64	10	Ø	Ø	<b>(</b> )
Input #4	•	0.102515	64	10	<i>\(\bar{\bar{\bar{\bar{\bar{\bar{\bar{</i>	<b>W</b>	(I)
Input #5	•	0.101785	64	10	<i>\</i> \$	<i>ট</i>	(I)
Input #6	•	0.102492	64	10	<i>\</i> \$	<i>ট</i>	(I)
Input #7	•	0.101609	64	10	<i>এ</i>	<i>ট</i>	<b>(1)</b>
Input #8	•	0.102014	64	10	<i>\</i> \$	<i>ট</i>	(I)
Input #9	•	0.101975	64	10	<i>\</i> D	<i>ট</i>	<1>
Input #10	•	0.101698	64	10	<i>\(\psi\)</i>	ψ	<b>(1)</b>
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Your Rating:

■ View all comments

# PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

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Attempted By: **7850** / Accuracy: **91**\*\*\*\*\*\* 279 Votes

Help Natsu

Attempted By: 268 / Accuracy: 69

★★★★ 5 Votes

Sam Height <Hsbc>
Attempted By: 957 / Accuracy: 64

★★★☆ 4 Votes

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