SOLVE LATER

Little Monk and Good String

Attempted by: **10194** / Accuracy: **95%** / Maximum Score: **20** /
142 Votes

Tag(s): Ad-Hoc, Basic Programming, Easy, String

PROBLEM EDITORIAL MY SUBMISSIONS ANALYTICS

Little monk loves good string. Good String is a string that only contains vowels (a, e, i, o, u). Now, his teacher gave him a string *S*. Little monk is wondering what is the length of the longest good string which is a substring of *S*.

Note: Strings contains only lower case English Alphabets.

Input:
First line contains a string *S*, $(1 \leq |S| \leq 10^5)$, where *S* denotes the length of the string.

Output:
Print an integer denoting the length of the longest good substring, that is substring consists of only vowels.

SAMPLE INPUT	SAMPLE OUTPUT
abcaac	2

Explanation

Longest Good String which is a substring of *S* is aa so the answer is *2*.

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

Enter your code or Upload your code as file.

15 LIVE EVENTS

BEST SUBMISSIONS

LANGUAGE: C (gcc 5.4.0)

TIME (sec)	MEMORY (KiB)
6.02985	64

by Nisha Ramakrishnan

VIEW BEST SUBMISSION VIEW ALL SUBMISSION

CONTRIBUTOR

AUTHOR
Akash Sharma

TESTER
Anand Jaisingh

THIS PROBLEM WAS ASKED IN

CHALLENGE NAME
CodeMonk (Arrays & Strings)

SOCIAL SHARE

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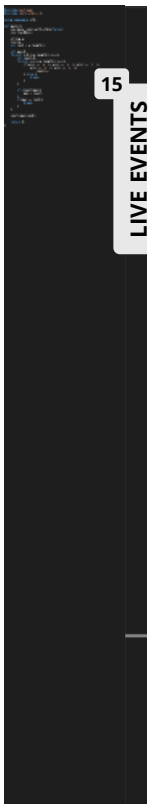
Save C++14 (g++ 5.4.0)

```
9       cin.tie(NULL);
10
11      string a;
12      cin>>a;
13      int lenS = a.length();
14
15      int max=0;
16      for(int i=0;i<a.length();i++){
17          int count=0;
18          for(int j=i;j<a.length();j++){
19              if(a[j] == 'a' || a[j] == 'e' || a[j] == 'i' ||
20                  a[j] == 'o' || a[j] == 'u' ){
21                      count++;
22              } else {
23                  break;
24              }
25          }
26
27          if (count>max){
28              max = count;
29          }
30          if(max == lenS){
31              break;
32          }
33      }
34
```

31:19 vscode



Provide custom input

COMPILE & TEST SUBMIT

Submission ID: 40046701 / 6 seconds ago

RESULT: Accepted

Score	Time (sec)
20.0	6.11867

Memory (KiB)	Language
64	C++14

Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Diff
Input #1	✓	0.102465	64	1			
Input #2	✓	0.101557	64	1			
Input #3	✓	0.102411	64	1			

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Input #4	✓	0.101837	64	1			
Input #5	✓	0.101578	64	1			
Input #6	✓	0.102296	64	1			
Input #7	✓	0.102483	64	1			
Input #8	✓	0.101901	64	1			
Input #9	✓	0.101617	64	1			
Input #10	✓	0.102343	64	1			
Input #11	✓	0.102396	64	1			
Input #12	✓	0.101857	64	1			
Input #13	✓	0.101574	64	1			
Input #14	✓	0.101781	64	1			
Input #15	✓	0.102332	64	1			
Input #16	✓	0.10186	64	1			
Input #17	✓	0.102494	64	1			
Input #18	✓	0.101977	64	1			
Input #19	✓	0.1016	64	1			
Input #20	✓	0.10188	64	1			
Input #21	✓	0.102066	64	1			
Input	✓	0.102313	64	1			

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LIVE EVENTS

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#22							
Input #23	✓	0.101796	64	1			
Input #24	✓	0.102431	64	1			
Input #25	✓	0.101991	64	1			
Input #26	✓	0.101433	64	1			
Input #27	✓	0.101596	64	1			
Input #28	✓	0.102076	64	1			
Input #29	✓	0.10176	64	1			
Input #30	✓	0.102311	64	1			
Input #31	✓	0.101863	64	1			
Input #32	✓	0.102441	64	1			
Input #33	✓	0.101414	64	1			
Input #34	✓	0.102015	64	1			
Input #35	✓	0.102324	64	1			
Input #36	✓	0.101826	64	1			
Input #37	✓	0.10159	64	1			
Input #38	✓	0.102026	64	1			
Input #39	✓	0.101806	64	2			
Input #40	✓	0.102455	64	2			

Input #41	✓	0.10202	64	2			
Input #42	✓	0.101442	64	2			
Input #43	✓	0.101806	64	1			
Input #44	✓	0.102344	64	1			
Input #45	✓	0.102008	64	1			
Input #46	✓	0.101629	64	1			
Input #47	✓	0.102038	64	10			
Input #48	✓	0.101918	64	10			
Input #49	✓	0.102447	64	1			
Input #50	✓	0.101954	64	10			
Input #51	✓	0.101413	64	10			
Input #52	✓	0.102016	64	1			
Input #53	✓	0.101796	64	1			
Input #54	✓	0.102331	64	1			
Input #55	✓	0.10163	64	1			
Input #56	✓	0.101814	64	1			
Input #57	✓	0.102077	64	1			
Input #58	✓	0.101985	64	1			
Input	✓	0.102422	64	1			

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LIVE EVENTS

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#59							
Input #60	✓	0.10181	64	1			

Compilation Log

Compilation Successful.

15

LIVE EVENTS

Your Rating:

View all comments

PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

Noddy And His Vowels

Attempted By: **742** / Accuracy: **73**

★★★☆☆ 8 Votes

Playful String

Attempted By: **513** / Accuracy: **78**

★★☆☆☆ 5 Votes

Joker And His String

Attempted By: **161** / Accuracy: **30**

★★★★★ 4 Votes

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15 LIVE EVENTS

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