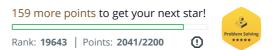






HackerRank in a String! ☆



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We say that a string contains the word hackerrank if a subsequence of its characters spell the word hackerrank. For example, if string s = haacckkerannk it does contain hackerrank, but s = haacckkerannk does not. In the second case, the second r is missing. If we reorder the first string as hccaakkerrannkk, it no longer contains the subsequence due to ordering.

More formally, let $p[0], p[1], \dots, p[9]$ be the respective indices of h, a, c, k, e, r, r, a, n, k in string s. If $p[0] < p[1] < p[2] < \dots < p[9]$ is true, then s contains hackerrank.

For each query, print YES on a new line if the string contains hackerrank, otherwise, print NO.

Function Description

Complete the hackerrankInString function in the editor below. It must return YES or NO.

hackerrankInString has the following parameter(s):

• s: a string

Input Format

The first line contains an integer q, the number of queries.

Each of the next q lines contains a single query string s.

Constraints

- $2 \le q \le 10^2$
- $10 \le |s| \le 10^4$

Output Format

For each query, print YES on a new line if **s** contains hackerrank, otherwise, print NO.

Sample Input 0

2

hereiamstackerrank hackerworld

Sample Output 0



YES NO

Explanation 0

We perform the following q=2 queries:

1. s = hereiamstackerrank

The characters of hackerrank are bolded in the string above. Because the string contains all the characters in hackerrank in the same exact order as they appear in hackerrank, we print YES on a new line.

2. $s = \mathbf{hackerworld}$ does not contain the last three characters of hackerrank, so we print NO on a new line.

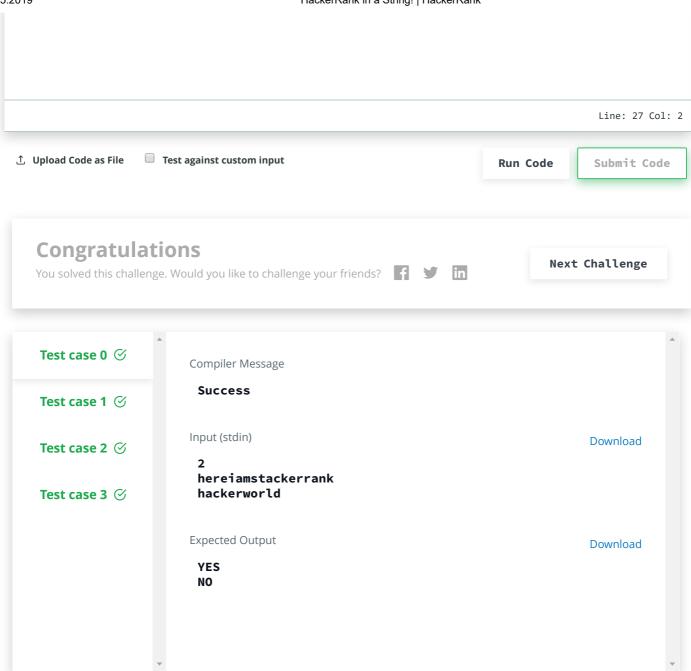
Sample Input 1

2 hhaacckkekraraannk rhbaasdndfsdskgbfefdbrsdfhuyatrjtcrtyytktjjt

Sample Output 1

YES NO

```
C++14
                                                                                       Ѿ
    #include <cstddef>
1
 2
    #include <iostream>
 3
    #include <string>
 4
 5
    const std::string hackerrankInString(std::string &str) noexcept {
 6
       const std::string hack{"hackerrank"};
 7
       if (str.empty() || str.size() < hack.size())</pre>
         return std::string{"NO"};
8
9
10
       std::size_t index{0};
       for (const char charector : str)
11
         if (index < hack.size() && hack[index] == charector)</pre>
12
13
           ++index;
14
15
       return hack.size() == index ? std::string{"YES"} : std::string{"NO"};
    }
16
17
18
    int main() {
19
       std::size_t q{};
20
       std::cin >> q; // queries
       while (q--) {
21
         std::string str{}; // std::string s to be evaluated.
22
23
         std::cin >> str;
24
         std::cout << hackerrankInString(str) << '\n';</pre>
25
       }
26
       return 0;
27
    }
```



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