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 $s = \mathbf{haacckkerrannkk}$ it does contain `hackerrank`, but $s = \mathbf{haacckkerannk}$ does not. In the second case, the second `r` is missing. If we reorder the first string as $\mathbf{hccaakkerrannkk}$, it no longer contains the subsequence due to ordering.

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

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

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. $s = \textbf{hereiamstackerrank}$

   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. $s = \textbf{hackerworld}$ 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

```
#include <cstddef>
#include <iostream>
#include <string>

const std::string hackerrankInString(std::string &str) noexcept {
  const std::string hack{"hackerrank"};
  if (str.empty() || str.size() < hack.size())
    return std::string{"NO"};

  std::size_t index{0};
  for (const char charector : str)
    if (index < hack.size() && hack[index] == charector)
      ++index;

  return hack.size() == index ? std::string{"YES"} : std::string{"NO"};
}

int main() {
  std::size_t q{};
  std::cin >> q; // queries
  while (q--) {
    std::string str{}; // std::string s to be evaluated.
    std::cin >> str;
    std::cout << hackerrankInString(str) << '\n';
  }
  return 0;
}
```

Line: 27 Col: 2

Upload Code as File Test against custom input Run Code Submit Code

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Compiler Message

```
Success
```

Input (stdin) Download

```
2
hereiamstackerrank
hackerworld
```

Expected Output Download

```
YES
NO
```