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HackerRank in a String!

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We say that a string, s, contains the word `hackerrank` if a subsequence of the characters in s spell the word `hackerrank`. For example, `haacckkerrannkk` does contain `hackerrank`, but `haacckkerannk` does not (the characters all appear in the same order, but it's missing a second `r`).

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`.

You must answer q queries, where each query consists of a string, s. For each query, print `YES` on a new line if s contains `hackerrank`; otherwise, print `NO` instead.

Input Format

The first line contains an integer denoting q (the number of queries).
Each line of the q subsequent lines contains a single string denoting s.

Constraints

- $2 \leq q \leq 10^2$
- $10 \leq \text{length}(s) \leq 10^4$

Output Format

For each query, print `YES` on a new line if s_i contains `hackerrank`; otherwise, print `NO` instead.

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.

Submissions:23867

Max Score:20

Difficulty: Easy

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Current Buffer (saved locally, editable) C++14

```
#include <iostream>
using namespace std;

string hackerrankInString(string s)
{
   unsigned int index=0;
   string hack="hackerrank";

   if(hack.length() > s.length())
      return "NO";
   else
   {
      for(unsigned int i=0; i< s.length(); ++i)
         if(index < hack.length() && hack.at(index)==s.at(i))
            ++index;
      if(hack.length() == index)
         return "YES";
      else
         return "NO";
   }
}
//**************************************************
int main()
{
   unsigned int q; //the number of queries
   cin >> q;
   if(q>=2 && q<=100)
   {
      for(int a0 = 0; a0 < q; a0++)
      {
         string s; //string s to be evaluated.
         cin >> s;
         string result = hackerrankInString(s);
         cout << result << endl;
      }
   }
   return 0;
}

```

Line: 39 Col: 1

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Congrats, you solved this challenge!

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✔ Test Case #0 ✔ Test Case #1 ✔ Test Case #2

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