

[Practice](#)[Compete](#)[Jobs](#)[Rank](#)[Leaderboard](#)

bor0s ▾

[Dashboard](#) > [Algorithms](#) > [Strings](#) > [HackerRank in a String!](#)

Badge Progress



Points: 1021.20 Rank: 25549

HackerRank in a String! 🏆



by shashank21j

[Problem](#)[Submissions](#)[Leaderboard](#)[Discussions](#)[Editorial](#)

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, \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`.

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

Input Format

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

Constraints

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

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. $s = \text{hereiamstackerrank}$

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

[f](#) [t](#) [in](#)

Submissions: 4378

Max Score: 20

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

[More](#)

Current Buffer (saved locally, editable)

C++ ▾



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 bool str_contains_subsequence(string s1, string what) {
6     int j = 0;
7     for (int i = 0; i < s1.size(); i++) {
8         if (s1[i] == what[j]) {
9             j++;
10        }
11    }
12    return j == what.size();
13 }
14
15 int main(){
16     int q;
17     cin >> q;
18     for(int a0 = 0; a0 < q; a0++){
19         string s;
20         cin >> s;
21         cout << (str_contains_subsequence(s, "hackerrank") ? "YES" : "NO") << "\n";
22         // your code goes here
23     }
24     return 0;
25 }
26
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

Copyright © 2017 HackerRank. All Rights Reserved

Join us on IRC at [#hackerrank](#) on freenode for hugs or bugs.[Contest Calendar](#) | [Interview Prep](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)