We say that a string contains the word hackerrank if a [subsequence](https://www.hackerrank.com/external_redirect?to=https://en.wikipedia.org/wiki/Subsequence) of its characters spell the word hackerrank. Remeber that a subsequence maintains the order of characters selected from a sequence.

More formally, let  be the respective indices of h, a, c, k, e, r, r, a, n, k in string . If  is true, then  contains hackerrank.

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

**Example** 

s = haacckkerrannkk

This contains a subsequence of all of the characters in the proper order. Answer YES

s = haacckkerannk

This is missing the second 'r'. Answer NO.

s = hccaakkerrannkk

There is no 'c' after the first occurrence of an 'a', so answer NO.

**Function Description**

Complete the *hackerrankInString* function in the editor below. hackerrankInString has the following parameter(s):

* *string s:* a string

**Returns**

* *string:* YES or NO

**Input Format**

The first line contains an integer, the number of queries.   
Each of the next  lines contains a single query string .

**Constraints**

* 
* 

**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 return YES.

1. S = hackerworld

does not contain the last three characters of hackerrank, so we return NO.

**Sample Input 1**

2

hhaacckkekraraannk

rhbaasdndfsdskgbfefdbrsdfhuyatrjtcrtyytktjjt

**Sample Output 1**

YES

NO