Find HackerRank

At HackerRank, we always want to find out how popular we are getting every day and have scraped conversations from popular sites. Each conversation fits in 1 line and there are N such conversations. Each conversation has at most 1 word that says *hackerrank* (all in lowercase). We would like you to help us figure out whether a conversation:

1. Starts with *hackerrank*

2. Ends with *hackerrank*

3. Start and ends with *hackerrank*

Input Format

First line of the input contains an integer, *N*. Then *N* lines follow.
From the second line onwards, each line contains a set of *W* words separated by a single space

Constraints

- $1 <= N <= 10$

- $1 <= W <= 100$

- All the characters in *W* are lowercase alphabet characters.

- If *C* is the count of the characters in *W*, then $1 <= C <= 20$

Output Format

For every line,

1. Print 1 if the conversation starts with *hackerrank*

2. Print 2 if the conversation ends with *hackerrank*

3. Print 0 if the conversation starts and ends with *hackerrank*

4. Print -1 if none of the above.

Sample Input

```
4
i love hackerrank
hackerrank is an awesome place for programmers
hackerrank
i think hackerrank is a great place to hangout
```

Sample Output

```
2
1
0
-1
```

Explanation

The first conversation ends with *hackerrank* and hence 2
The second conversation starts with *hackerrank* and hence 1
The third conversation has only one word, it starts and ends with *hackerrank* and hence 0.
The fourth conversation satisfies none of the above properties and hence -1.

Viewing Submissions

You can view others' submissions if you solve this challenge. Navigate to the challenge leaderboard.