

Meow Meow

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

points: 100 · problem code: meowmeow · authors: glipR, kahootist

Problem Statement

Digger and Rykker (pictured below, taking a break from meowing) like to make noise.



We've categorised the noises they make as follows:

- **hiss** : This is represented in text as **hi** , followed by at least 2 **s** s.
- **trill** : This is represented in text as **tr** , followed by some non-zero amount of **i** s, and at least 2 **l** s.
- **burble** : This is represented in text as **b** , followed by some non-zero amount of **u** s, followed by some non-zero amount of **r** s, followed by a **b** , followed by some non-zero amount of **l** s, followed by an **e** .

We want you to write a program to recognise these.

Input

Your first line of input will be a single integer t : the number of noises made.

Next, t lines will follow, each containing a single string s_i : the noise made by either Digger and Rykker or a human.

Output

For each s_i , if it is a `hiss`, `trill`, or `burble` noise, output `hiss`, `trill` or `burble`, respectively, on its own line. If s_i is none of these, output `human noises` instead.

Constraints

For all test cases...

- $1 \leq t \leq 100$
- $1 \leq |s_i| \leq 100$
- Each s_i only contains English lower-case alphabet letters.

Example

Input

```
7
hisss
triiilll
buuurrrbllle
his
trlll
burbble
hello
```

Output

```
hiss
trill
burble
human noises
human noises
human noises
human noises
```

Explanation

The first 3 lines fit their respective definitions.

- `his` does not have two `s`s.
- `trlll` needs at least 1 `i`.
- `burbble` repeats a `b` when it should not.
- `hello` kind of just...does not fit into any of the specified categories.

Python Template

```
t = int(input())
a = [input() for _ in range(t)]
# Continue your code here and print your final answer!
```

Solution

If you'd like to view a sample solution to this tutorial question, please click the "Read Editorial" link to the right of the problem!