Östgötska

Problem ID: ostgotska
CPU Time limit: 1 secon[d]
Memory limit: 1024 MB
Difficulty: 1.7

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Anders talks in the Swedish dialect of *östgötska*. Unfortunately, this makes it somewhat hard to get a programming job in the Swedish capital of Stockholm. The trendy Stockholm hipsters only accept applicants speaking the standard Swedish dialect, *rikssvenska*.

To increase his chances of passing interviews, he wishes to practice talking rikssvenska. To help him with this, he wants you to write a program that can determine whenever he accidentally reverts to speaking östgötska.

A simple way of determining if a sentence is written in östgötska is if at least 40% of the words in the sentence contains the letter ä. For simplicity, this is encoded as the letter combination `ae` (meaning any appearance of the substring `ae` is to be regarded as an occurrence of the letter ä).

Input

The first and only line of input contains a sequence of space-separated words. Each word consists only of letters `a-z`. There are at most 100 words, and each word contains at most 15 letters `a-z` (meaning that the `ae` combination counts as two letters for this limit).

Output

Output "`dae ae ju traeligt va`" if the input sentence is in östgötska, otherwise output "`haer talar vi rikssvenska`".

Sample Input 1

```
dae ae ju traeligt va
```

Sample Output 1

```
dae ae ju traeligt va
```

Sample Input 2

```
haer talar vi rikssvenska
```

Sample Output 2

```
haer talar vi rikssvenska
```