

Given a string, ***s***, matching the regular expression `[A-Za-z !,?._'@]+`, split the string into *tokens*. We define a token to be one or more consecutive English alphabetic letters. Then, print the number of tokens, followed by each token on a new line.

Note: You may find the [String.split](#) method helpful in completing this challenge.

Input Format

A single string, ***s***.

Constraints

- $1 \leq \text{length of } s \leq 4 \cdot 10^5$
- ***s*** is composed of *any* of the following: English alphabetic letters, blank spaces, exclamation points (!), commas (,), question marks (?), periods (.), underscores (_), apostrophes ('), and at symbols (@).

Output Format

On the first line, print an integer, ***n***, denoting the number of tokens in string ***s*** (they *do not* need to be unique). Next, print each of the ***n*** tokens on a new line in the same order as they appear in input string ***s***.

Sample Input

He is a very very good boy, isn't he?

Sample Output

```
10
He
is
a
very
very
good
boy
isn
t
he
```

Explanation

We consider a token to be a contiguous segment of alphabetic characters. There are a total of **10** such tokens in string ***s***, and each token is printed in the same order in which it appears in string ***s***.