

The program reads from stdin a string of up to 10,000 characters. The program will print to stdout all the words in this string and their corresponding line number and word position. For example, if a word "hello" is on the 3rd line and is the 10th word in the input string, the program will print "hello 3 10" for this word (there is a single white separating). The information printed for each word is on a separate line. The first line is for the first word, the last line is for the last word. There is no newline character after the last line. If the input string is empty, do not print anything to stdout. A word is a string without any white space. The words can be duplicate.

There will be 5 test cases, each worth 20 points.

SAMPLE INPUT

```
line 1
line whatever here
```

SAMPLE OUTPUT

```
line 1 1
1 1 2
line 2 3
whatever 2 4
here 2 5
```