



Word Order ★

49/115 challenges solved
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Problem

Submissions

Leaderboard

Editorial

You are given n words. Some words may repeat. For each word, output its number of occurrences. The output order should correspond with the input order of appearance of the word. See the sample input/output for clarification.

Note: Each input line ends with a "\n" character.

Constraints:

$$1 \leq n \leq 10^5$$

The sum of the lengths of all the words do not exceed 10^6

All the words are composed of lowercase English letters only.

Input Format

The first line contains the integer, n .

The next n lines each contain a word.

Output Format

Output 2 lines.

On the first line, output the number of distinct words from the input.

On the second line, output the number of occurrences for each distinct word according to their appearance in the input.

Sample Input

```
4
bcdef
abcdefg
bcde
bcdef
```

Sample Output

```
3
2 1 1
```

Explanation

There are 3 distinct words. Here, "bcdef" appears twice in the input at the first and last positions. The other words appear once each. The order of the first appearances are "bcdef", "abcdefg" and "bcde" which corresponds to the output.

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Language

Python 3



1 d={ }

```

2  ✓ for i in range(int(input())):
3      m=input().strip()
4  ✓     if m in d:
5          d[m]+=1
6  ✓     else:
7          d[m]=1
8      print(len(d))
9  ✓ for i in d:
10     print(d[i],end=" ")

```

Line: 10 Col: 24

 Upload Code as File

☐ Test against custom input

Run Code

Submit Code

You have earned 50.00 points!

49/115 challenges solved.

43%




Congratulations

You solved this challenge. Would you like to challenge your friends?





Next Challenge


✓ Test case 0


✓ Test case 1 

✓ Test case 2 

✓ Test case 3 

✓ Test case 4 

✓ Test case 5 

✓ Test case 6 

Compiler Message

Success

Input (stdin)

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```

1  4
2  bcdef
3  abcdefg
4  bcde
5  bcdef

```

Expected Output

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```

1  3
2  2 1 1

```

