

# Problem 192: Word Frequency

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 27.95%

**Paid Only:** No

**Tags:** Shell

## Problem Description

Write a bash script to calculate the frequency of each word in a text file ``words.txt``.

For simplicity sake, you may assume:

- \* ``words.txt`` contains only lowercase characters and space `` `` characters. \*
- Each word must consist of lowercase characters only. \*
- Words are separated by one or more whitespace characters.

**\*\*Example:\*\***

Assume that ``words.txt`` has the following content:

the day is sunny the the the sunny is is

Your script should output the following, sorted by descending frequency:

the 4 is 3 sunny 2 day 1

**\*\*Note:\*\***

- \* Don't worry about handling ties, it is guaranteed that each word's frequency count is unique.

- \* Could you write it in one-line using [Unix pipes](<http://tldp.org/HOWTO/Bash-Prog-Intro-HOWTO-4.html>)?

## Code Snippets

### Bash:

```
# Read from the file words.txt and output the word frequency list to stdout.
```