Q08. Word Counting (15 marks):

Given a paragraph of text, we are concerned about the repeating words that appear at least N times, where $N \geq 2$. You are required to write a programme to count the total number of distinct words, and the number of words that appear at least N times in the text, regardless of letter cases.

For example, consider N=2 and the text is
"Baa, baa, black sheep. Have you any wool?".
There are 7 distinct words, out of which there is 1 repeating word.
Note: a word with hyphen(s) is considered as one word, for example, "up-to-date" is a single word.

Write a programme to

Input, in sequence

(1) A paragraph of text with not more than 50 words.
(2) An integer, N, to specify the minimum number of repeating times that we are concerned about.

Output, in sequence

(1) The total number of distinct words in the paragraph.
(2) The total number of distinct repeating words meeting the minimum requirement.

试题 8. 单词计数 （15 分）：

给定一个英文文本段落，我们关心出现至少 N 次的重复单词，其中 $N \geq 2$。您需要编写一个程式来计算文本中不同单词的总数，以及至少出现 N 次的单词数量，不考虑字母大小写。

例如，考虑 N=2 且文本为：
“Baa, baa, black sheep. Have you any wool?”
这里有 7 个不同的单词，其中有 1 个是重复的单词。
请注意，带有连字符（-）的单词被视为一个单词，例如，“up-to-date” 是一个单词。

试写一程式以

依序输入

(1) 一段不超过 50 字的英文段落。
(2) 一个整数，N，用于指定我们关心的最小重复次数。

依序输出

（1） 段落中不同单词的总数。
（2） 满足最小要求的不同重复单词的总数。

Example (例子)

Input (输入)	Output (输出)
I remember one Saturday night. We had fried fish and Johnny-cakes. I remember one Saturday night. We had fried fish and Johnny-cakes. 5	11 0
Baa, baa, black sheep. Have you any wool? 2	7 1
So high you cannot get over it, so low you cannot get under it, So wide you cannot get around it. You gotta go in at the door. 3	17 5