Two Frequent Words Test   X82064_en

Write a program that reads a goal integer and a sequence of words and tests whether there are two different words in the sequence that appear at least as many times as the goal indicates.

Input

First comes a goal integer n; follows a sequence of nonempty words, all formed only by lower-case letters. Words are separated by blank spaces or line ends, or both; at least one such separator, but maybe more than one.

Output

If there are at least two words in the sequence that appear at least as many times as the goal n, the program must print a message like "There are two words that appear n or more times." (for the adequate value n, see the examples). Otherwise, it must print a message like "Less than two words appear n or more times." (again see the examples to see the adequate n).

Sample input 1

```
2
erre con erre guitarra erre con erre barril
```

Sample output 1

```
There are two words that appear 2 or more times.
```

Sample input 2

```
3
erre con erre guitarra erre con erre barril
```

Sample output 2

```
Less than two words appear 3 or more times.
```

Sample input 3

```
3
por esa puerta de elvira
sale muy gran cabalgada
cuanto del hidalgo moro
cuanta de la yegua baya
cuanta de la lanza en mano
cuanta de la adarga blanca
```

Sample output 3

```
There are two words that appear 3 or more times.
```

Sample input 4

```
100
the p versus np problem is a major unsolved
problem in computer science the underlying
issues were first discussed in the nineteen fifties
```

Sample output 4

```
Less than two words appear 100 or more times.
```

Sample input 5

```
2
the p versus np problem is a major unsolved
problem in computer science the underlying
issues were first discussed in the nineteen fifties
```

Sample output 5

```
There are two words that appear 2 or more times.
```

Problem information

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