Two Frequent Words Test   X22065_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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