American Computer Science League

Junior Division

STRINGS AND THINGS

PROBLEM: Given a string of characters, answer some questions about the string.

INPUT: A string of characters. All letters will be upper case. The characters may not be read in one at a time or one word at a time.

OUTPUT: Answer the following questions about the string:

1. How many words are in the string?
2. What is the longest word? If there is a tie, print all.
3. How many different letters are in the string.
4. What is the most frequent letter?
5. What is the most frequently used word other than the word "THE"?

SAMPLE INPUT

IN A RIGHT TRIANGLE THE SQUARE OF THE HYPOTENUSE EQUALS THE SUM OF THE SQUARES OF THE LEGS

SAMPLE OUTPUT

1. 18
2. HYPOTENUSE
3. 17
4. E
5. OF