1244 - Flowers Flourish from France

Description

Fiona has always loved poetry, and recently she discovered a fascinating poetical form. Tautograms are a special case of alliteration, which is the occurrence of the same letter at the beginning of adjacent words. In particular, a sentence is a tautogram if all of its words start with the same letter. For instance, the following sentences are tautograms: ? Flowers Flourish from France ? Sam Simmonds speaks softly ? Peter pIckEd pePPers ? truly tautograms triumph Fiona wants to dazzle her boyfriend with a romantic letter full of this kind of sentences. Please help Fiona to check if each sentence she wrote down is a tautogram or not.

Input specification

Each test case is given in a single line that contains a sentence. A sentence consists of a sequence of at most 50 words separated by single spaces. A word is a sequence of at most 20 contiguous uppercase and lowercase letters from the English alphabet. A word contains at least one letter and a sentence contains at least one word. The last test case is followed by a line containing only a single character "*" (asterisk).

Output specification

For each test case output a single line containing an uppercase "Y" if the sentence is a tautogram, or an uppercase "N" otherwise.

Sample input

```
Flowers Flourish from France
Sam Simmonds speaks softly
Peter pIckEd pePPers
truly tautograms triumph
this is NOT a tautogram
*
```

Sample output

```
Y
Y
Y
Y
N
```

Hint(s)

Source	ACM ICPC 2010 - Latin American Regional
Added by	**ejaltuna**
Addition date	2011-10-13 19:36:48.0
Time limit (ms)	2000
Test limit (ms)	2000
Memory limit (kb)	131072
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text