CCC '07 J4 - Anagram Checker

Time limit: 2.0s   **Memory limit:** 256M

Canadian Computing Competition: 2007 Stage 1, Junior #4

An anagram is a word or a phrase formed by rearranging the letters of another phrase such as `ITEM` and `TIME`. Anagrams may be several words long such as `CS AT WATERLOO` and `COOL AS WET ART`. Note that two phrases may be anagrams of each other even if each phrase has a different number of words (as in the previous example). Write a program to determine if two phrases are anagrams of each other.

Input Specification

The program should take two phrases, each on a separate line. You may assume that the input only contains uppercase letters and spaces.

Output Specification

The program will print out one of two statements: `Is an anagram.` or `Is not an anagram.`

Sample Input

```
CS AT WATERLOO
COOL AS WET ART
```

Sample Output

```
Is an anagram.
```