

# CCC '16 S1 - Ragaman

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An *anagram* of a string is formed by rearranging the letters in the string. For example, the anagrams of *aab* are *aab*, *aba*, and *baa*.

A *wildcard anagram* of a string is an anagram of the string where some of the letters might have been replaced with an asterisk (\*). For example, two possible wildcard anagrams of *aab* are *\*ab* and *\*b\**.

Given two strings, determine whether the second string is a wildcard anagram of the first string.

## Input Specification

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The two lines of input will both consist of  $N$  ( $1 \leq N \leq 100$ ) characters. Each character in the first line will be a lowercase letter. Each character in the second line will be either a lowercase letter or an asterisk.

For 8 of the 15 available marks, the second line will not contain any asterisk characters.

## Output Specification

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Output the character `A` if the string on the second line is a wildcard anagram of the string on the first line. Otherwise, output the character `N`.

## Sample Input 1

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```
abba
baaa
```

## Output for Sample Input 1

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```
N
```

## Sample Input 2

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```
cccrocks
socc*rk*
```

## Output for Sample Input 2

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A