

# STNBD P3 - Rinslet Laurenfrost

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**Time limit:** 2.0s    **Memory limit:** 32M

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Rinslet is studying the spirit language. She finds a word that she thinks she has seen before. She would like to find the **similarity** of the word she found with a word she knows. A word's **similarity** with another word is defined as the minimum total number of letters you need to add and/or remove from the first word so that it becomes an anagram of the second word.

If you help Rinslet, you might get a taste of her cooking. ♪

## Input Specification

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Spirit language words are made up of lowercase English letters.

The first line of input will have a word Rinslet already knows.

The second line of input will have the new word.

## Output Specification

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The first and only line of output should be one integer, the **similarity** of the words in the input.

## Constraints

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The lengths of the words will not exceed 100 000 characters each.

## Sample Input

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mireille  
rinslet
```

## Sample Output

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7
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## Explanation

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One possible way to achieve a **similarity** of 7 is to remove 4 letters and add 3 letters:

**m i r e i l l e**

(remove m, e, i, l)

**tinrles**

(add t, n, s)

tinrles is an anagram of rinslet.