The Levenshtein distance

Cost: 15 | Solved: 85

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given two strings S_1 and S_2 that can contain any ASCII symbols, except for the line feed character.

Normalize the strings: delete all symbols that are not latin letters, digits or a whitespace character, and decapitalize every letter (make it lowercase). You should then delete all words which length is less or equal to 3 and all extra whitespace characters (so that there's no more than one whitespace character between two words).

For the resulting strings count the Levenshtein distance - the minimal number of operations of inserting/deleting a symbol or replacing one symbol with another that is required to transform the string S_1 into S_2.

Input:

Two strings S_1 and S_2 separated with a line feed character.

Output:

The calculated number.

Example:

Input	Output
R7 1 l*HrJm9⬚ 5XiNV 4,SL 2^ M⬚⬚PO7ZUn	11