

Assignment 4: Fun with Word Ladders

Input

Dictionary of 5-letter words, each word on their own line. Junk symbols included between words.

An input and ending word as well as the last letter position changed (0 by default for the first call).

Process

Find a dictionary word that is similar to the ending word and differs from the input word by only one character at one point in the string. Add this word to the word ladder list and make a recursive call with this word as an input.

If there are no fitting words return to previous recursive instance and try a different and fitting word. Otherwise return with no word ladder found.

Output

A fitting message if no word-ladder is found. Otherwise, a message stating that a word ladder was found and the corresponding word ladder.