## Challenge 4: Word Formation From a Dictionary Using Trie

This is a word matching problem regarding tries.

We'll cover the following ^

- Problem Statement
  - Input
  - Output
  - Sample Input
  - Sample Output
- Coding Exercise

#### Problem Statement #

You have to implement the <code>is\_formation\_possible()</code> function which will find whether a given word can be formed by combining two words from a dictionary. We assume that all words are in lower case.

#### Input #

A dictionary and a query word containing lowercase characters.

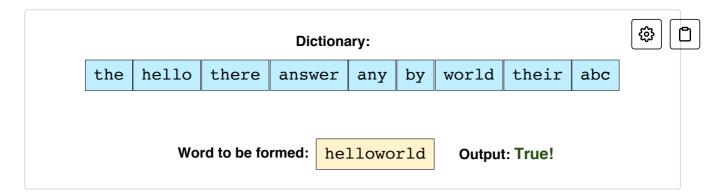
#### Output #

Returns True if the given word can be generated by combining two words from the dictionary.

## Sample Input #

## Sample Output #

True



# Coding Exercise #

Design a step-by-step algorithm first before jumping on to the implementation. Try to think whether a recursive or an iterative approach would be better.

If you get stuck, you can always refer to the solution review.

#### Good luck!

