FACEBOOK Coding Competitions

FB Hack > 2021 > EMEA Coding Challenge 2021



D2: Medium	20 pt					
D3: Hard	65 pt					
Commercial Operations						
E1: Easy	20 pt					
E2: Medium	40 pt					
E3: Hard	50 pt					
Auto-correct						
○ F1: Easy	5 pt					
F2: Medium	15 pt					
F3: Hard	55 pt					
Micro Kitchens						
G1: Easy	5 pt					
G2: Medium	25 pt					
G3: Hard	50 pt					
ZigZag						
H1: Easy	10 pt					
H2: Medium	20 pt					
H3: Hard	55 pt					
Types						
I1: Easy	20 pt					
I2: Medium	50 pt					
I3: Hard	80 pt					

Problem F1: Auto-correct - Easy

5 points

Problem

My Submissions

Spelling is hard and spelling on a keyboard is even harder - this is what you realized after your best friend Alex gave you their latest school essay to proof-read. Luckily you're a good friend, and what you decided to return was not only a print-out of Alex's essay, all in red, but also a script autocorrecting text automatically (you really are a good friend).

This challenge will take you through the process of designing a simple autocorrection system. Apart from the input, each variant of the problem will require additional textual resources - all the variants will need to use a dictionary and in case of the hard variant you will also need to use a confusion matrix. Download instructions and format details of those can be found at the end in the Extra resources section.

The first step in your autocorrection script involves identifying potential misspellings. Use the provided dictionary to decide if a word is spelled correctly.

Input Format

The input will consist of a single, non-negative integer 0 < N <= 1000 in the first line, followed by N lines, each consisting of a single word of length <= 50 characters. Words contain only lowercase letters from a to z.

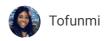
Output Format

For each word in the input, print a single output line saying IN if the corresponding input word exists in the dictionary or OUT if it doesn't.

Sample Input

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Sample Output

IN OUT

Extra resources

Dictionary

You can download the dictionary following this link. The dictionary was created by taking all the words in a snapshot of English Wikipedia (modulo some basic filtering), and counting their occurrences. Each line in the dictionary consists of a unique word (only lowercase letters between a and z) and a positive integer representing the number of occurrences of the word in Wikipedia, separated by tab.

Sample Input

Sample Output

2 hello wotld

IN			
OUT			