

## Problem B. Love Story

**Time Limit** 1000 ms

**Mem Limit** 262144 kB

Timur loves codeforces. That's why he has a string  $s$  having length 10 made containing only lowercase Latin letters. Timur wants to know how many indices string  $s$  **differs** from the string "codeforces".

For example string  $s = \text{"cool**1**for**se**z"}$  differs from "codeforces" in 4 indices, shown in bold.

Help Timur by finding the number of indices where string  $s$  differs from "codeforces".

Note that you can't reorder the characters in the string  $s$ .

### Input

The first line contains a single integer  $t$  ( $1 \leq t \leq 1000$ ) — the number of test cases.

Each test case is one line and contains the string  $s$ , consisting of exactly 10 lowercase Latin characters.

### Output

For each test case, output a single integer — the number of indices where string  $s$  differs.

### Examples

Input	Output
5 coolforsez cadafurcie codeforces paiuforces forcescode	4 5 0 4 9