D. Longest Prefix

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

You are given two strings a and b. Find the longest common prefix between them after performing zero or more operation on string b. In each operation you can swap any two letters.

Input

The first line of the input contains an integer T ($1 \le T \le 500$), where T is the number of the test cases.

Each case has one line that contains two space separated strings a and b.

All strings are non-empty consisting of lowercase English letters only. The length of each of these strings does not exceed 10^5 characters.

Output

Print T lines, each line contains a single integer that represents the length of the longest common prefix between a and b.

Example

input	Copy
3 hello hey here there you me	

output	Copy
2 4 0	

→ **About Group**

I miss me spider

Day 0

Finished

Practice

⭐

→ **Submit?**

Language: GNU G++17 7.3.0

Choose file: Seleccionar archivo No s...chivo

Submit

→ **Last submissions**

Submission	Time	Verdict
106226047	Feb/01/2021 22:33	Accepted

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