

Compare The Strings

Your company is writing a spell-checker system, and you have been tasked with writing a function to determine how closely two words resemble each other. The algorithm you are to use, albeit not a very good one, is to compare the two words character by character, and count how many times the characters in a given position are the same. For instance, the words "TICK" and "TOCK" have a score of 3, since three characters (T, C, K) are the same. Similarly, "CAT" and "DOG" score 0, since no letters match.

You are given Strings **a** and **b** and are to find an integer indicating the score (as defined above) of how closely the two match.

Input

First line contains **an integer T** ≤ 100 - the number of testcases. Following each of T lines contains two space separated strings **a** and **b**. Both **a** and **b** will have length between 1 and 50 (inclusive) and will contain only 'A'-'Z' characters.

Output

For each testcase, output a single integer - the score of closeness of two strings.

Example

Input:

```
3
TICK TOCK
CAT DOG
APPLE APPLES
```

Output:

```
3
0
5
```

NOTE: In case the two strings are of different lengths, just compare till the end of shorter one.