



Hello sampreet!
Account or Log Out


[PRACTICE](#)
[COMPETE](#)
[DISCUSS](#)
[COMMUNITY](#)
[HELP](#)
[ABOUT](#)

Home » Practice(Easy) » Jewels and Stones

Jewels and Stones

Problem code: STONES

[Tweet](#)
[Like](#)
[Share](#)

Be the first of your friends to like this.

[ALL SUBMISSIONS](#)
[MY SUBMISSIONS](#)
[SUBMIT](#)

All submissions for this problem are available.

SUCCESSFUL SUBMISSIONS

Soma is a fashionable girl. She absolutely loves shiny stones that she can put on as jewellery accessories. She has been collecting stones since her childhood - now she has become really good with identifying which ones are fake and which ones are not. Her King requested for her help in mining precious stones, so she has told him which all stones are jewels and which are not. Given her description, your task is to count the number of jewel stones. More formally, you're given a string J composed of latin characters where each character is a jewel. You're also given a string S composed of latin characters where each character is a mined stone. You have to find out how many characters of S are in J as well.

Input

First line contains an integer T denoting the number of test cases. Then follow T test cases. Each test case consists of two lines, each of which contains a string composed of English lower case and upper characters. First of these is the jewel string J and the second one is stone string S. You can assume that $1 \leq T \leq 100$, $1 \leq |J|, |S| \leq 100$

Output

Output for each test case, a single integer, the number of jewels mined.

Example

Input:

```
4
abc
abcdef
aA
abAZ
aaa
a
what
none
```

Output:

```
3
2
1
0
```

Author: [yellow_agony](#)

Tester: [subra](#)

Editorial: <http://discuss.codechef.com/problems/STONES>

Tags: [easy](#) [may12](#) [yellow_agony](#)

Date Added: 26-02-2012

Time Limit: 1 sec

Source Limit: 50000 Bytes

Languages: ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 4.9.2, CPP14, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYTH, PYTH 3.1.2, RUBY, SCALA, SCM guile, SCM qobi, ST, TCL, TEXT, WSPC

SUBMIT

Comments ▶

[CodeChef is a non-commercial competitive programming community](#)

[About CodeChef](#) | [About Directi](#) | [CEO's Corner](#) | [C-Programming](#) | [Programming Languages](#) | [Contact Us](#)

© 2009 Directi Group . All Rights Reserved. CodeChef uses SPOJ © by Sphere Research Labs
In order to report copyright violations of any kind, send in an email to copyright@codechef.com

Directi
Intelligent People. Innovative Solutions.

The time now is: 01:24:58 PM
Your IP : 14.139.196.3

CodeChef - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete - Monthly Programming Contests and Cook-offs

Here is where you can show off your **computer programming** skills. Take part in our 10 day long monthly **coding contest** and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

Programming Tools

[Online IDE](#)

[Upcoming Coding Contests](#)

[Contest Hosting](#)

[Problem Setting](#)

[CodeChef Tutorials](#)

[CodeChef Wiki](#)

Practice Problems

[Easy](#)

[Medium](#)

[Hard](#)

[Challenge](#)

[Peer](#)

[School](#)

[FAQ's](#)

Initiatives

[Go for Gold](#)

[CodeChef for Schools](#)

[Campus Chapters](#)