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FTE Screening Test Batch of 2021 - Mock 1

Aug 02, 2020, 08:30 PM IST - Aug 02, 2020, 10:30 PM IST

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LIVE EVENTS

INSTRUCTIONS   PROBLEMS   SUBMISSIONS   LEADERBOARD   ANALYTICS   JUDGE

← Problems / End the Controversy

End the Controversy

Max. score: 100

> This problem is no longer available for practice. Apology for any inconvenience!

Rhea and Mahesh are friends.

Rhea has been hiding a truth from Mahesh and the entire world.She promises to speak the truth in front of the world if Mahesh performs a task for her.

Rhea takes Mahesh to a library and gives her a word **str**, where each character represents a book written by Chetan.

The library has a book shelf represented by a string **shelf** where each character represents a book.

Rhea challenges Mahesh to find the smallest area on a book shelf which contains all these books specified in **str** in any order. (note you may include extra characters)

Input Format

- First line contains an integer *T*, the number of test cases

- 2nd line contains two space separated strings *str* , *shelf* as mentioned above.

Constraints

$1 \leq T \leq 100$

$1 \leq |str|, |shelf| \leq 1000$

Output Format

If Mahesh succeeds in finding all the books mentioned in **str** from **shelf** (satisfying the condition of finding it in the smallest area) print two lines:

- First line: the starting and ending index of the region which contains all the books

-2nd line: "FOUND"

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Else,

- First line : "-1 -1"

- Second Line: "NOT FOUND"

Note: Use 0-indexing

SAMPLE INPUT 🔗 ⧉	SAMPLE OUTPUT 🔗 ⧉
1 syuand day	1 5 FOUND

Explanation

The smallest window in "syuand" that contains all characters of the string "day" is "yuand" (contains 'd','a' and 'y' in any order)

So starting index is 1 and ending index is 5

Time Limit:	0.12 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Score is assigned if any testcase passes.
Allowed Languages:	Bash, C, C++, C++14, C++17, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, Java 14, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Python 3.8, R(RScript), Racket, Ruby, Rust, Scala, Swift-4.1, Swift, TypeScript, Visual Basic

CODE EDITOR

Save   C (gcc 5.4.0)

```
1   /*
2   // Sample code to perform I/O:
3   #include <stdio.h>
4
5   int main(){
6       int num;
7       scanf("%d", &num);                        // Reading input from ST
8       printf("Input number is %d.\n", num);     // Writing output to STDOU
9   }
10
11  // Warning: Printing unwanted or ill-formatted data to output will cause
    the test cases to fail
12  */
13
14  // Write your code here
15
```

--NORMAL--   1:1 vim

◙ Provide custom input

COMPILE & TEST   SUBMIT

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