

Problem 249: Color Coding

Difficulty: Easy

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Problem Background

You and your coworker have developed secret signals to communicate between each other so others don't know the information you are conveying. The two key words used in your communications are "red" and "blue". You are tired of constantly searching all of your messages for these signals so you decide to write a program to find out if a line of text contains either of these strings.

Problem Description

Your task is to write a program that searches a given line of text for the strings "red" or "blue" (each string contains at most one of those colors). If red is found, return "red"; if blue is found, return "blue"; otherwise return "no color found". These strings are case sensitive, so if "RED" or "bLuE" is found then the program should still return "no color found".

Sample Input

The first line of your program's input, received from the standard input channel, will contain a positive integer representing the number of test cases. Each test case will include a line of text which should be analyzed to see if "red" or "blue" are present:

```
5
This is a line of text that contains no colors
blue is my favorite color
I do not like the color red
This is a secret message, code red
A color that exists is BLUE!
```

Sample Output

For each test case, your program must print a single line containing either "red", "blue", or "no color found" (in lowercase letters):

```
no color found
blue
red
red
no color found
```