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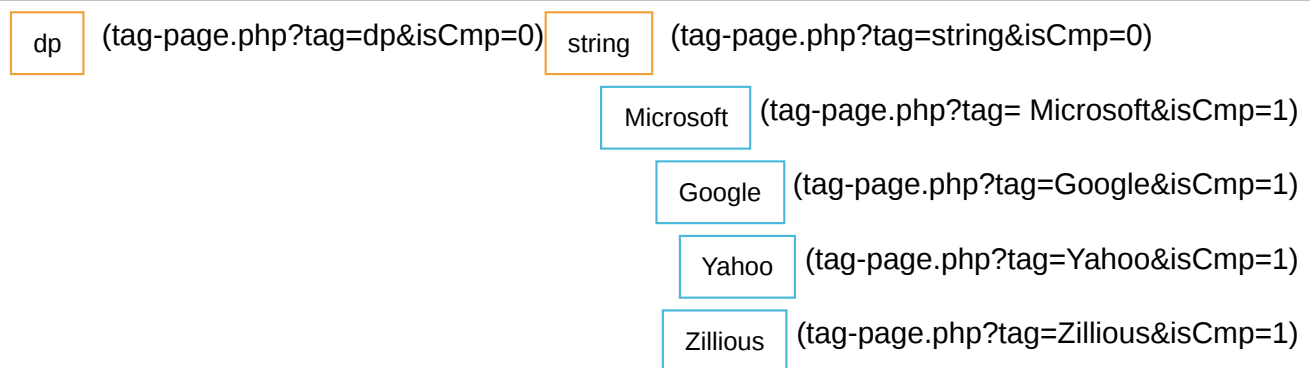


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/ Interleaved Strings

Interleaved Strings

SolvedBy : 24 (solvedby.php?pid=700353) Accuracy : 20.87



Given three strings A, B and C your task is to complete the function **isInterleave** which returns true if C is an interleaving of A and B else returns false. C is said to be interleaving A and B, if it contains all characters of A and B and order of all characters in individual strings is preserved.

Input:

The first line of input contains an input T denoting the no of test cases. Then T test cases follow. Each test case contains three space separated strings A, B, C.

Output:

For each test case output will be 1 if C is interleaving of string A and B else 0.

Constraints:

$1 \leq T \leq 100$ $1 \leq \text{length of A, B, C} \leq 100$ **Example(To be used only for expected output):****Input:**

2

XY X XXY

YX X XXY

Output

1

0

Note:The **Input/Output** format and **Example** given are used for system's internal purpose, and should be used by a user for **Expected Output** only. As it is a function problem, hence a user should not read any input from stdin/console. The task is to complete the function specified, and not to write the full code.

****For More Examples Use Expected Output****

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Your code is concatenated with this (C++ (viewInitialCode.php?

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(viewInitialCode.php?pid=700353&problemName=Interleaved

Strings&lang=java&problemLevelCode=1&problemLevel=Medium)) code.

Note: In case of C/C++/Java, your code is appended. And, in case of Python, your code is prepended.

C++(gcc 4.8.4)

Java(1.8)

Theme Light ▼



```
1 /*You are required to complete this method */
2 bool isInterleave(string A, string B, string C)
3 {
4     //Your code here
5 }
6
```

Result:

Submit

Test

Expected Output

Editorial ([editorialfunc.php?pid=700353](http://www.geeksforgeeks.org/editorialfunc.php?pid=700353))



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4	sanjaykumar9 (user-profile.php?user=sanjaykumar9)	1136
5	Aditya Goyal (user-profile.php?user=Aditya Goyal)	1124
1261	shubhpy (user-profile.php?user=shubhpy)	101

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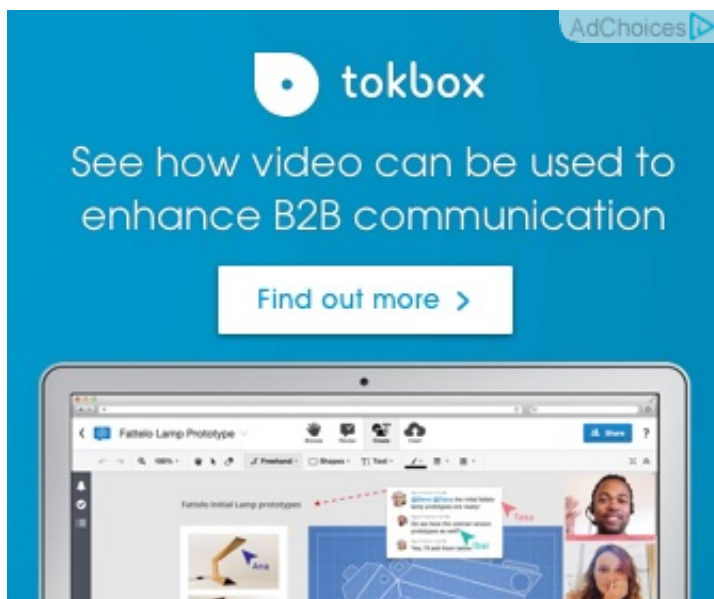
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