
Iterative interleaving of strings

X46901_en

The interleaving of two strings x and y is a string that contains all characters of x and y and preserves the relative order of the characters in both x and y . For example, the interleaving of abc and xyz is $axbycz$. Write a program that prints the interleaving of every given pair of strings.

Define and use an iterative function

interleaving(x,y)

that returns the interleaving of two strings x and y .

Interface

C++ *string interleaving(string x, string y);*
Python *interleaving(x, y) # returns str*
interleaving(x: str, y: str) → str

Input

The input consists of several pairs of strings.

Output

Print the interleaving of every given pair of strings.

Sample input

```
abc xyz
ab xyz
abc xy
```

Sample output

```
axbycz
axbyz
axbyc
```

Problem information

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