
Recursive interleaving of strings

X61846_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 a recursive function

interleaving(x,y)

that returns the interleaving of two strings x and y .

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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