

String Mingling ★

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Pawel and Shaka recently became friends. They believe their friendship will last forever if they merge their favorite strings.

The lengths of their favorite strings are the same, n . Mingling two strings, $P = p_1p_2 \dots p_n$ and $Q = q_1q_2 \dots q_n$, both of length n , will result in the creation of a new string R of length $2 \times n$. It will have the following structure:

$$R = p_1q_1p_2q_2 \dots p_nq_n$$

You are given two strings P (Pawel's favorite) and Q (Shaka's favorite), determine the mingled string R .

Input Format

The first line of input contains the string P .

The second line contains Q .

Output Format

Print the mingled string, R .

Constraints

$$1 \leq n \leq 10^5$$

The string only consists of lowercase English characters ($a - z$).

$$\text{length}(P) = \text{length}(Q) = n$$

Sample Input #00

```
abcde
pqrst
```

Sample Output #00

```
apbqcrdset
```

Sample Input #01

```
hacker
ranker
```

Sample Output #01

```
hraacnkkeerr
```

Explanation

Sample Case #00:

$P = a \ b \ c \ d \ e$

$Q = p \ q \ r \ s \ t$

$R = ap \ bq \ cr \ ds \ et$

Sample Case #01:

P = h a c k e r
Q = r a n k e r
R = h r a a c n k k e e r r

Tested by [Wanbo](#)

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Language

Haskell



```
1  main = do
2      str1 <- getLine
3      str2 <- getLine
4      putStrLn $ concatMap \(x,y) -> [x,y]) $zip str1 str2
5
```

Line: 5 Col: 1

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