String Mingling

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, $P = p_1 p_2 \ldots p_n$ and $Q = q_1 q_2 \ldots q_n$, 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:

$$R = p_1 q_1 p_2 q_2 \ldots p_n q_n$$

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 ($a - z$).
length(P) = 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:

$P = a \quad b \quad c \quad d \quad e$
$Q = p \quad q \quad r \quad s \quad t$
$R = ap\ bq\ cr\ ds\ et$

Sample Case #01:

$$P = h \quad a \quad c \quad k \quad e \quad r$$
$$Q = r \quad a \quad n \quad k \quad e \quad r$$
$$R = hr\ aa\ cn\ kk\ ee\ rr$$

Tested by Wanbo