



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, $P = p_1 p_2 \dots p_n$ and $Q = q_1 q_2 \dots q_n$, both of length n, will result in the creation of a new string n of length n. It will have the following structure:

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

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

Input Format

The first line of input contains the string $oldsymbol{P}$.

The second line contains $oldsymbol{Q}$.

Output Format

Print the mingled string, $oldsymbol{R}$.

Constraints

$$1 < n < 10^5$$

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

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:

$$P = a b c d e$$

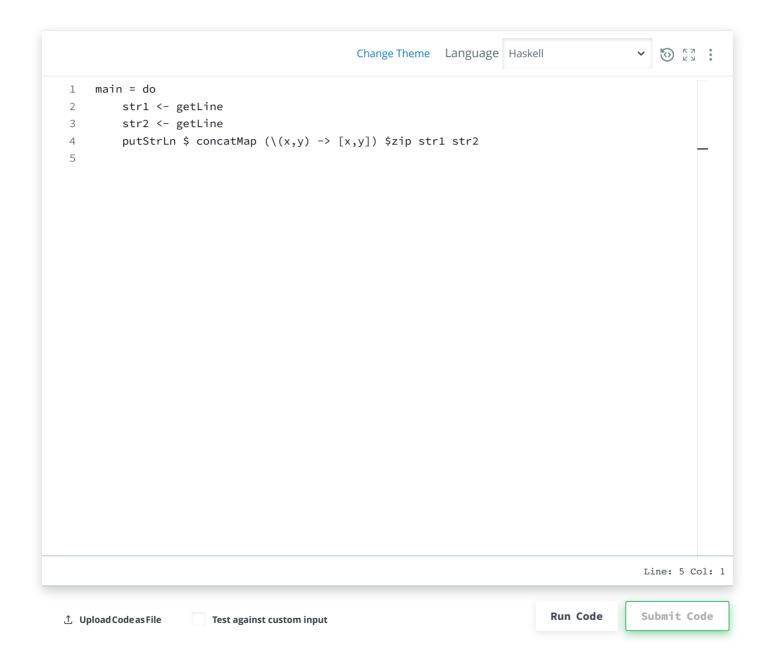
$$Q = p q r s t$$

R = ap bq cr ds et



Sample Case #01:

```
P=h \ a \ c \ k \ e \ r
Q=r \ a \ n \ k \ e \ r
R=hr \ aa \ cn \ kk \ ee \ rr
Tested by Wanbo
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