

String-o-Permute

Kazama gave Shaun a string of even length, and asked him to swap the characters at the even positions with the next character. Indexing starts at 0.

Formally, given a string str of length L where L is even, Shaun has to swap the characters at position i and $i + 1$, where $i \in \{0, 2, \dots, L - 2\}$.

For example, if $str = "abcdpqrs"$, $L = 8$. We have to swap the characters at positions: $\{(0, 1), (2, 3), (4, 5), (6, 7)\}$

So, answer will be *"badcqpsr"*.

Input Format

The first line contains an integer, T , the number of test cases.

T lines follow, each containing some string str .

Output Format

For each test case, print the new string as explained in the problem statement.

Constraints

$$1 \leq T \leq 10$$

$$1 < L \leq 10^5$$

L is even

str consists of lowercase English characters, $\{a - z\}$.

Sample Input

```
2
abcdpqrs
az
```

Sample Output

```
badcqpsr
za
```

Explanation

Test case #00: This is the same example as mentioned in the problem statement.

Test case #01: Here L is 2, so we have to swap the characters at position (0, 1) only.