Problem

You are given a string S of length N, consisting of the digits `0-9` and the characters `'+'` and `'-'`. S represents a valid mathematical expression.

Rearrange the characters of S to form a valid mathematical expression such that the result obtained upon evaluating it is **maximum.**

If there are multiple possible answers, you may print **any** of them.

Note: A string S of length N is said to be a valid mathematical expression if the following hold:

- The first character of S is not + or `-`.
- The last character of S is not + or `-`.
- Any + or `-` in S **must not be adjacent** to another + or `-`.

In particular, numbers are allowed to have leading zeros, and adding/subtracting zero is fine.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- Each test case consists of 2 lines of input.
  - The first line of each test case contains a single integer N, denoting the size of the string.
  - The second line of each test case contains the string S.

Output Format

For each test case, output on a new line the rearranged string giving the maximum value upon evaluation. If there are multiple possible answers, you may print any of them.

Constraints

- $1 \leq T \leq 1000$
- $3 \leq N \leq 10^5$

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