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# Reorganize string

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In a Daily Prophet article given by Fudge, Sirius Black recognised Scabbers, a traitorous former friend. Revenge is all on his veins now and he is planning to break from Azkaban!

There are  $n$  doors, each guarded by dementors and it opens only to the right rearrangement of the provided string combinations.

Each door has a unique string  $s$ . Rearrange the characters of  $s$  so that any two adjacent characters are not the same.

Return any possible rearrangement of  $s$  or print Not Possible if not possible to unlock a door.

## Input Format

The first line contains an integer  $n$ , representing the number of doors.

The next  $n$  line contains  $n$  strings to reorganize.

## Constraints

- $s.length \leq 500$
- consists of lowercase English letters.

## Output Format

Return any possible rearrangement of  $s$   
or print Not Possible if not possible to rearrange the string in given manner.

## Sample Input 0

```
2
aaabb
aab
```

## Sample Output 0

```
ababa
aba
```

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Submissions: 7

Max Score: 10

Difficulty: Medium

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