

# Twofive

[English](#)

[Tiếng Việt](#)

Having a 5×5-table, we make a right-table by filling letters from 'A'..'Y' into the table satisfying:

- Each letter is used exactly one time.
- The letters is ascending on every row.
- The letters is ascending on every column.

Each right-table is described by a 25-length string, see the example below for detail:

The right-table:

```
A B C D E
F G H I J
K L M N O
P Q R S T
U V W X Y
```

is described by the string "ABCDEFGHJKLMNOPQRSTUVWXYZ".

All descriptions are sorted ascending (following the dictionary order) and numbered from 1.

## Task

- Give an order, find the right description.
- Give a description, find the right order.

## Input

- The first line contains a number (an order).
- The second line contains a description.

## Output

- The first line contains the 25-length string desribing the order given.
- The second line contains the order of the given description.

## Example

**Input:**

1

ABCDEFGHJKLMNOPQRSTUVWXYZ

**Output:**

ABCDEFGHJKLMNOPQRSTUVWXYZ

1