

# Easy Sorting

Given is a list of words and a lexicographical ordering according to the ascii alphabet. Your task is to sort the words in increasing order.

## Input

The first line contains the numbers of test cases  $k$  ( $k < 100$ ). Every test case consists of  $n+1$  ( $1 < n < 50000$ ) lines. Each line contains a string of 10 characters. The first line of each test case contains  $n$ .

## Output

Output the sorted list of words.

## Example

### Input:

```
2
2
helloworld
worldhello
2
aaaaaaaaaa
Aaaaaaaaaa
```

### Output:

```
helloworld
worldhello
Aaaaaaaaaa
aaaaaaaaaa
```