

## B. Almost Rectangle

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

There is a square field of size  $n \times n$  in which two cells are marked. These cells can be in the same row or column.

You are to mark two more cells so that they are the corners of a rectangle with sides parallel to the coordinate axes.

For example, if  $n = 4$  and a rectangular field looks like this (there are asterisks in the marked cells):

```

. . * .
. . . .
* . . .
. . . .

```

Then you can mark two more cells as follows

```

* . * .
. . . .
* . * .
. . . .

```

If there are several possible solutions, then print any of them.

### Input

The first line contains a single integer  $t$  ( $1 \leq t \leq 400$ ). Then  $t$  test cases follow.

The first row of each test case contains a single integer  $n$  ( $2 \leq n \leq 400$ ) — the number of rows and columns in the table.

The following  $n$  lines each contain  $n$  characters '.' or '\*' denoting empty and marked cells, respectively.

It is guaranteed that the sums of  $n$  for all test cases do not exceed 400.

It is guaranteed that there are exactly two asterisks on the field. They can be in the same row/column.

It is guaranteed that the solution exists.

### Output

For each test case, output  $n$  rows of  $n$  characters — a field with four asterisks marked corresponding to the statements. If there multiple correct answers, print any of them.

### Example

input Copy

```

6
4
..*.
....
*...
....
2
*.
.*
2
.*
.*
3
*.

```

### Codeforces Round #713 (Div. 3).

Contest is running

01:57:59

Contestant



### → Submit?

Language: GNU G++14 6.4.0

Choose file:

파일 선택 선택된 파일 없음

Submit

```
...
...
5
...
.*.
...
.*.
...
4
...
...
*..
*..
```

output Copy

```
*.*.
...
*.*.
...
**
**
**
**
*.*
*.*
...
.*.*
...
.*.*
...
...
...
**..
**..
```

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