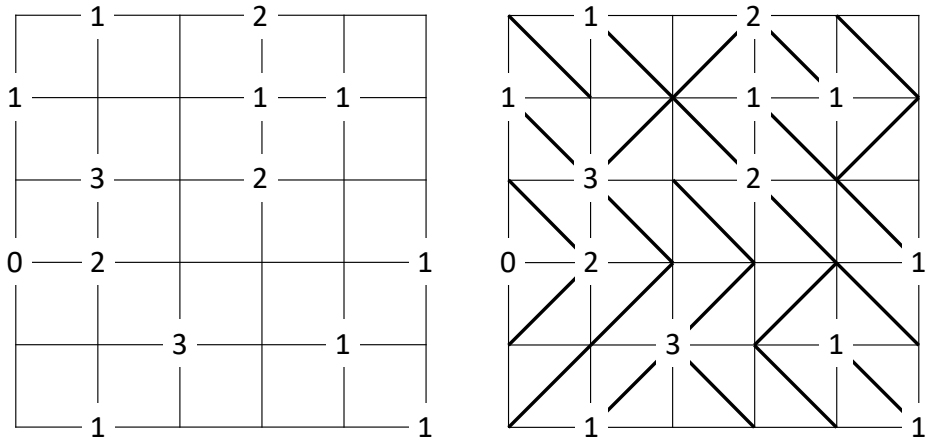
Problem V
Diagonals

Time Limit: 15 sec

Diagonals is a pencil puzzle which is played on a square grid. The player must draw a diagonal line corner to corner in every cell in the grid, either top left to bottom right, or bottom left to top right. There are two constraints:

- Some intersections of gridlines have a number from 0 to 4 inclusive on them, which is the exact number of diagonals that must touch that point.
- No set of diagonals may form a loop of any size or shape.

The following is a 5×5 example, with its unique solution:



Given the numbers at the intersections of a grid, solve the puzzle.

Input

The first line of input contains an integer n ($1 \leq n \leq 8$), which is the size of the grid.

Each of the next $n+1$ lines contains a string s ($|s| = n+1, s \in \{0, 1, 2, 3, 4, +\}^*$). These are the intersections of the grid, with `'+'` indicating that there is no number at that intersection.

The input data will be such that the puzzle has exactly one solution.

Output

Output exactly n lines, each with exactly n characters, representing the solution to the puzzle. Each character must be either `'/'` or `'\'`.

Note that Sample 1 corresponds to the example in the problem description.

Sample Input 1

```
5
+1+2++
1++11+
+3+2++
02+++1
++3+1+
+1+++1
```

Sample Output 1

```
\\/\\
\/\\/
\\\\\
////\
//\\\
```

Sample Input 2

```
3
++++
+1+1
+31+
+0+0
```

Sample Output 2

```
/\/
///
/\/
```

Sample Input 3

```
4
+++++
+3++2
++3++
+3+3+
++2+0
```

Sample Output 3

```
\//\
\\//
\\\/
/\//
```