

C. Cardiogram

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

In this problem, your task is to use ASCII graphics to paint a cardiogram.

A cardiogram is a polyline with the following corners:

That is, a cardiogram is fully defined by a sequence of positive integers a_1, a_2, \dots, a_n .

Your task is to paint a cardiogram by given sequence a_i .

Input

The first line contains integer n ($2 \leq n \leq 1000$). The next line contains the sequence of integers a_1, a_2, \dots, a_n ($1 \leq a_i \leq 1000$). It is guaranteed that the sum of all a_i doesn't exceed 1000.

Output

Print $\max |y_i - y_j|$ lines (where y_k is the y coordinate of the k -th point of the polyline), in each line print characters. Each character must equal either « / » (slash), « \ » (backslash), « » (space). The printed image must be the image of the given polyline. Please study the test samples for better understanding of how to print a cardiogram.

Note that in this problem the checker checks your answer taking spaces into consideration. Do not print any extra characters. Remember that the wrong answer to the first pretest doesn't give you a penalty.

Examples

input
5 3 1 2 5 1
output

input
3 1 5 1
output

Note

Due to the technical reasons the answers for the samples cannot be copied from the statement. We've attached two text documents with the answers below.

<http://assets.codeforces.com/rounds/435/1.txt>

<http://assets.codeforces.com/rounds/435/2.txt>