

Problem A. Absurd triangle 3

In the world of text files, it is almost impossible to draw a triangle. But oh my, your friend wants a triangle! This is why you have to write a program that draws a triangle in the standard output.

The triangle you decided to draw is a right isosceles triangle, which has base and height n . Therefore, you have to print n lines. However, this problem is slightly complicated than the problem before.

- In the first line, you should only print '.' (a dot, ASCII code 46)
- In the i -th line ($2 \leq i \leq n - 1$), you should print one '|' (ASCII code 124), $(i - 2)$ spaces (ASCII code 32), and one backslash '\' (ASCII code 92).
- In the last(n -th) line, you should print one '|' (ASCII code 124), $(n - 2)$ underscores '_' (ASCII code 95), and one backslash '\' (ASCII code 92).

Input

Your input consists of an arbitrary number of records, but no more than 50.

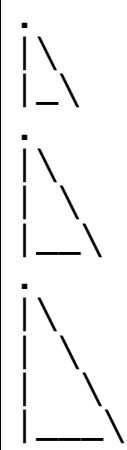
Each record is a line that contains an integer n ($3 \leq n \leq 100$).

The end of input is indicated by a line containing only the value -1 .

Output

For each input record, print n lines that contains a triangle given in the statement.

Example

Standard input	Standard output
3 4 5 -1	

Time Limit

1 second.