Recursive sequence of rombes   X15363_en

Try to figure out from the examples what you need to do in this exercise. Make up a solution with a RECURSIVE function that prints on the output on the go. It is allowed for the recursive function to have loops inside it, but the solution to the general problem must be RECURSIVE.

Input

The input of this exercise has several cases. Each and every one of them consists of just a positive natural in one line.

Output

For each case, a sequence of rombes is drawn on the output, followed by a blank line. Take a look at the examples in order to see what the output needs to be according to the input.

Sample input

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1
2
3
4
5
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Sample output

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Problem information