

1 - Fibonacci

The fibonacci sequence is a sequence of numbers in which the previous two numbers add to form the next number. The first two elements of the sequence are 0 and 1, generate the first 100 elements of this sequence.

For example, the first 5 elements would be: 0, 1, 1, 2, 3.

2 - Permutation find

You are given 3 letters: a, b and c. Your task is to find all permutations of this arrangement. The letters can be repeated.

Output on a newline for every permutation. Output a string of 3 letters on each line. For example, the first 3 lines for the output may be:

Output:

>aaa

>aab

>abb

3 - Snail

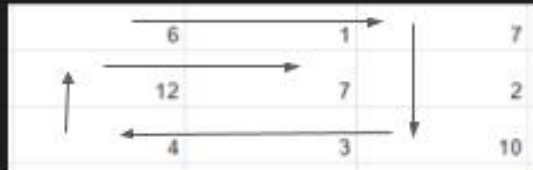
Given an a N x N array of integers, iterate through it in a snail like pattern, and output a 1D array.

For example:

Input:

>[[6,1,7], [12, 7, 2], [4, 3, 10]]

So:



Output:

>[6,1,7,2,10,3,4,12,7]