

1 - Quadrant Position

You are given a positive (x and y) cartesian coordinate in the form of a string, with the x and y separated by a space. Your task is to reflect the coordinate onto the other four quadrants of the plane in a clockwise direction. E.g. positive x, negative y will be on the first line of output.

Output the result on 3 lines, each line with a x and y coordinate separated by a space.

For example:

Input:

>1 1

Output:

>1 -1

>-1 -1

>-1 1

2 - Pythagorean primitive triples

Given 3 integers, determine whether or not the 3 integers are a pythagorean triple. A pythagorean triple is a set of 3 numbers in which all of the elements are co-prime (has a highest common factor of 1).

The input is on a single line, with each integer separated by a space.
Output a single integer, 0 if it's not a pythagorean triple and 1 if it is.

For example:

Input:

>2 3 5

Output:

>1

3 - Snail

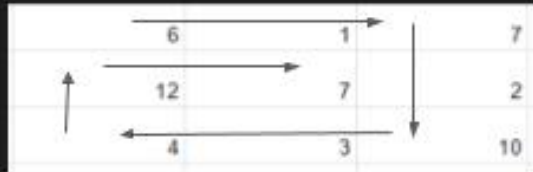
Given an a N x N array of integers, iterate through it in a snail like pattern, and output a 1D array.

For example:

Input:

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

So:



Output:

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