



(/en/),
v1.1.0

CSD Testing System

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The diagonal traversal of a matrix

Cost: 4 | Solved: 45

Memory limit: 256 MBs

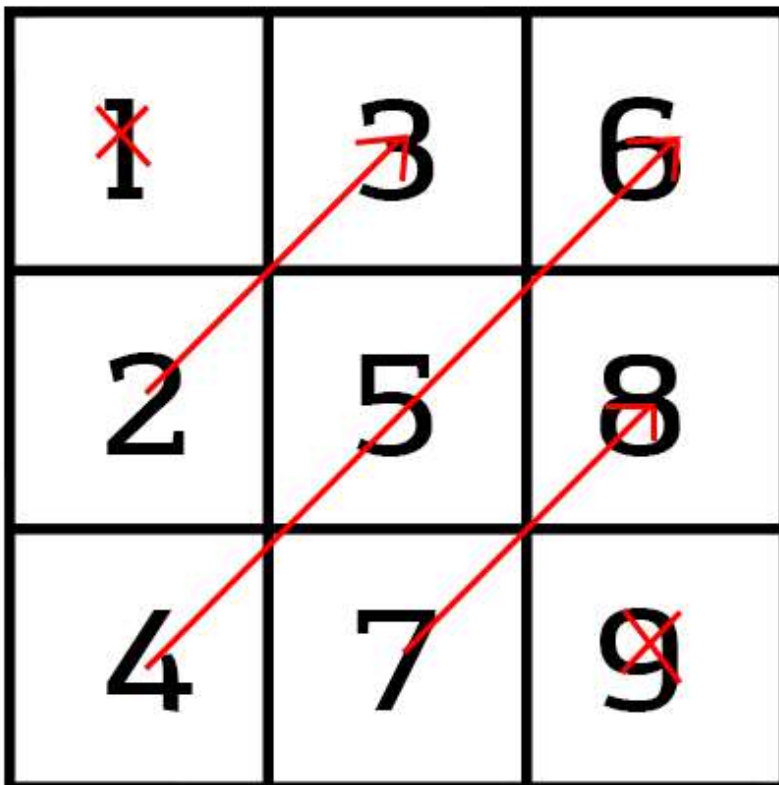
Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given a square matrix. You need to go through all the matrix elements, moving diagonally, and output them all. You start at the position (1, 1).



Input:

Contains a natural number n – the quantity of matrix rows ($n \leq 100$).

Output:

All the matrix elements after inputting the numbers from 1 to $n*n$, moving bottom-up in parallel to the antidiagonal.

Example:

Input	Output
3	1 3 6 2 5 8 4 7 9
1	1