[uptriang2] [Pbm-1]Test matrix is upper triangular or not [10]

Statement

[Problem #1, Marks 10] You are given an input integer square matrix A of size 'size'. You need to identify if the given matrix A is an upper triangular or not.

A matrix is upper triangular if all entries strictly below the main diagonal are zeroes. For example the matrix M1 given below is upper triangular.

166 839 0
0 658 0
0 0 703

The matrix M2 given below is not an upper triangular matrix.

0 0 703
166 839 0
0 658 0

Input and output formats:

Input: The first row contains the size of the square matrix. The following rows contain the entries of the matrix.

Example of input:

3
166 839 0
0 658 0
0 0 703
3
0 0 703
166 839 0
0 658 0

Expected output:

upper triangular
Not upper triangular

Carefully read the problem statement above and follow the starting code.

Input Format

The first row contains the size of the square matrix
The following **"size"** number of rows contains the entries of the matrix. Carefully see the problem statement.

Output Format

If the answer is yes, then print upper triangular (followed by "\n").
Otherwise, print Not upper triangular (followed by "\n").

Max. Score	10
Difficulty	0
Time limit	1.0 s
Memory limit	10240 KB
Submission limit	1000
Allowed file extensions	.c

Public test cases

DOWNLOAD STARTING CODE

Submit Solution for [Pbm-1]Test matrix is upper triangular or not [10]

Submissions left: 997

Submissions Over!

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