## Problem G. Geometric shapes

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

You have to tile all cells of the grid  $n \times m$  with shapes from tetris (tetromino) except for one cell with coordinates (r, c).

There are the following tetromino shapes:



And also their turns and reflections.

## Input

The first line contains a single integer t — the number of testcases. The following t lines contain four space-separated integers  $n_i m_i r_i c_i$ , denoting the size of the grid and coordinates of the cell, which you don't have to tile, respectively.

$$1 \le r_i \le n_i$$
$$1 \le c_i \le m_i$$
$$\sum n_i * m_i \le 10^5$$

## Output

For each test case print "YES" if tiling is possible. Next, print  $n_i \times m_i$  numbers denoting the tiling. Each of the numbers correspond to the number of the figure to which the cell belongs. The cell  $(r_i, c_i)$  has to contain 0, and the remaining figures should be numbered sequentially starting with 1. If tiling is impossible, then print "NO" in a single line.

## Example

standard output
YES
1 1 1
1 0 2
222
NO