## Problem G. Geometric shapes

Input file: standard input
Output file: standard output
Time limit: $\quad 1$ 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.

$$
\begin{gathered}
1 \leq r_{i} \leq n_{i} \\
1 \leq c_{i} \leq m_{i} \\
\sum n_{i} * m_{i} \leq 10^{5}
\end{gathered}
$$

## 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 $\left(r_{i}, c_{i}\right)$ 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 input |  |  | standard output |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 3 | 2 | 2 | YES |  |  |  |
| 4 | 4 | 1 | 2 |  | 1 | 1 | 1 |
|  |  |  | 0 | 2 |  |  |  |
|  |  |  |  |  | 2 | 2 |  |
|  |  |  |  | NO |  |  |  |

