

Customized Chess Board

Since all chess boards available in the market are 8×8 boards, Alex decides to paint a customised $N \times N$ board. Given the painted chess board, can you tell if it is painted correctly or not ? A chess board is considered valid if every **2** adjacent cells are painted with different color. Two cells are considered adjacent if they share a boundary e.g.

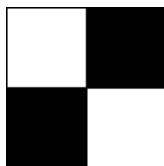


Figure I

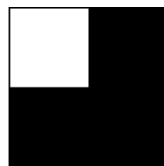


Figure II

Chess board in figure I is painted correctly though chess board in figure II is not.

Input Format

First line of input contains a single integer T denoting the number of test cases.

First line of each test contains a single integer N denoting the size of the board.

Next N lines of each test case contains N space separated integers. If the j^{th} integer in i^{th} line is **0**, it means that cell is painted in black color otherwise it is painted in white color and is represented with **1**.

Constraints

- $1 \leq T \leq 5$
- $1 \leq N \leq 100$
- $C_{i,j} \in 0, 1$

Output Format

For each test case, Print **Yes** if the chess board is painted correctly, Print **No** otherwise in a new line.

Sample Input 0

```
2
2
0 0
0 0
2
0 1
1 0
```

Sample Output 0

```
No
Yes
```

Explanation 0

- In the first test case, adjacent cells are painted with same color making painted configuration invalid.
- In the second test case, every pair of adjacent cells is painted with different color making chess board configuration valid.