

Contest time extended! There were a few configuration issues with the server. So we had to restart it. We appologize for the inconvenience and are extending the contest time for an hour.

E. Subtraction Game

Score: 1

CPU: 1s

Memory: 1024MB

Two players are playing a game. The game is played on a rectangular matrix of non-negative integers with a token placed on the upper left corner cell and the cell will contain a positive integer. The players make their moves alternatively. During his move a player decreases the number in the cell containing the token by any positive amount as long as the number stays non-negative and move the token to a non-zero adjacent cell (two cells are adjacent if they share a side). If the player is unable to make a move in his turn, he wins the game. Given the rectangular matrix determine whether the first player can win or not (assuming that both players are playing perfectly).

Input

The first line of the input contains an integer T ($1 \leq T \leq 50$) denoting the number of test cases. The description of T test cases follows. Each test case starts with two numbers R ($2 \leq R \leq 25$) and C ($2 \leq C \leq 25$) denoting the number of rows and the number of columns of the rectangular matrix. Each of the next R lines contains C integers denoting the rectangular matrix. Each of the integers in the matrix will be between 0 and 9 inclusive.

Output

For each test case, output a single line containing "YES" if the first player can win and "NO" otherwise.

Sample

Input	Output
2	NO
2 2	YES
1 2	
0 1	
2 2	
1 1	
1 1	

NCPC 2014 Preliminary

2:53:02

You are participating in this contest

Submit

Language

C ▼

Source

Choose..

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