Alice and Bob are playing a kind of special game on an N\*M board (N rows, M columns). At the beginning, there are N\*M coins in this board with one in each grid and every coin may be upward or downward freely. Then they take turns to choose a rectangle (x 1, y 1)-(n, m) (1 ≤ x 1≤n, 1≤y 1≤m) and flips all the coins (upward to downward, downward to upward) in it (i.e. flip all positions (x, y) where x 1≤x≤n, y 1≤y≤m)). The only restriction is that the top-left corner (i.e. (x 1, y 1)) must be changing from upward to downward. The game ends when all coins are downward, and the one who cannot play in his (her) turns loses the game. Here's the problem: Who will win the game if both use the best strategy? You can assume that Alice always goes first.

Input

The first line of the date is an integer T, which is the number of the text cases.   
Then T cases follow, each case starts with two integers N and M indicate the size of the board. Then goes N line, each line with M integers shows the state of each coin, 1<=N,M<=100. 0 means that this coin is downward in the initial, 1 means that this coin is upward in the initial.

Output

For each case, output the winner’s name, either Alice or Bob.

Sample Input

2

2 2

1 1

1 1

3 3

0 0 0

0 0 0

0 0 0

Sample Output

Alice

Bob

题意：给出一个矩阵，每个格子有一个硬币，初始状态1代表面朝上，0代表面朝下，两人轮流翻硬币，每次选一个面朝上的硬币，这个硬币为左上角，n,m的硬币为右下角，然后将这个矩形内的硬币都翻转一次，使得全部硬币变成面朝下的时候，轮到谁的时候不能再翻转硬币的时候，那个人输

思路：我们可以发现，无论是谁翻硬币，n,m位置的硬币必然会被翻转，那么其实我们只需要考虑n,m处的硬币，只要是1，那么必然要无论其他位置怎么翻转，这个位置必须要奇数次才能变成0，所以必然是奇数次，A胜，反之如果是0，必然是偶数次，B胜

每次取都一定会翻动右下角的格子的。

每次只要保证自己取完后,最后一个格子是0,就不会输。

因为:对于后者如果还能取，最后一个格子肯定会变成1，那么自己就还能取。

如果后者已经没得取了，那么自己就已经赢了。

#include<cstdio>

#include<cstring>

#include<algorithm>

#include<vector>

#include<queue>

#include<iostream>

using namespace std;

int main()

{

ios::sync\_with\_stdio(false);

int T,n,m;

int a[110][110];

cin>>T;

while(T--)

{

cin>>n>>m;

for(int i=1;i<=n;i++)

for(int j=1;j<=n;j++)

cin>>a[i][j];

if(a[n][m]%2==1)puts("Alice");

else puts("Bob");

}

return 0;

}

注意本题不关同步会T掉的