## Find the cross

Given a black-and-white graphic encoded with 0 for black and 1 for white find the coordinates of the center of a white cross within. This means the intersection of a horizontal and vertical line of 1 s . Each line reachs from border to border. There's at most one such cross. If there isn't a cross the output should be ' 00 '.

## Input

The number $n$ of testcases ( $\mathrm{n}<=50$ ) in the first line.
Then for each testcase one line with the width $w$ and heigth $h(3<=w, h<=20)$ of the graphic separated by a space. After this $h$ rows of each graphic.

## Output

The space-separated coordinates $x$ and $y$ of the center of the white cross or ' 00 '.

## Example

Input:
2
43
0010
1111
0010
33
010
101
010
Output:
32
00

