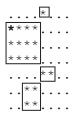
2. Blobs

Program Name: Blobs.java Input File: blobs.dat

Johnny is studying different shapes in a plane. For this particular study, he refers to the shapes as blobs even though they are solid rectangles. He represents his blobs in a rectangular grid as a collection of one or more contiguous asterisks (*). Contiguous means that the asterisks must be adjacent either horizontally or vertically. Non-blob characters are represented by periods (.). In the diagram below, there are 4 blobs.



You are to write a program that will determine the location of the uppermost, leftmost character of a blob given the coordinates of a given character in a grid. The uppermost, leftmost character of the largest blob (bolded *) in the example above is row 2, column 1 or 2 1. Rows and columns are numbered beginning with one.

Input

The first line of input will contain a single integer n that indicates the number of data sets to follow. For each data set:

- the first line will contain three integers in the form r c s
 - o $r \ge 3$ is the number of rows in the grid
 - \circ $c \ge 3$ is the number of columns in the grid
 - o s is the number of test cases for that grid
- the next r lines will contain the grid
- the next s lines will each contain an ordered pair x y, $1 \le x \le r$ and $1 \le y \le c$ which is the location of a character in the grid

Output

For each ordered pair x y, you will print the coordinates in the form $j \nmid k$ of the uppermost, leftmost character of the blob where $1 \le j \le r$ and $1 \le k \le c$. If the test case falls on a square that is not part of a blob, print NO BLOB.

Example Input File

2. Blobs (cont.)

Example Output to Screen

2 1

NO BLOB

3 4

1 4

4 1