Given a list of rectangles and a list of points in the $x-y$ plane, determine for each point which figures (if any) contain the point.

## Input

There will be $n(\leq 10)$ rectangles descriptions, one per line. The first character will designate the type of figure ("r" for rectangle). This character will be followed by four real values designating the $x-y$ coordinates of the upper left and lower right corners.

The end of the list will be signalled by a line containing an asterisk in column one.
The remaining lines will contain the $x-y$ coordinates, one per line, of the points to be tested. The end of this list will be indicated by a point with coordinates 9999.99999 .9 ; these values should not be included in the output.

Points coinciding with a figure border are not considered inside.

## Output

For each point to be tested, write a message of the form:
Point $i$ is contained in figure $j$
for each figure that contains that point. If the point is not contained in any figure, write a message of the form:

Point $i$ is not contained in any figure
Points and figures should be numbered in the order in which they appear in the input.
Note: See the picture on the right for a diagram of these figures and data points.

## Sample Input

```
r 8.5 17.0 25.5 -8.5
r 0.0 10.3 5.5 0.0
r 2.5 12.5 12.5 2.5
*
2.02 .0
4.75 .3
6.911 .2
20.020 .0
17.63 .2
\(-5.2-7.8\)
9999.99999 .9
```


## Sample Output

Point 1 is contained in figure 2
Point 2 is contained in figure 2
Point 2 is contained in figure 3
Point 3 is contained in figure 3


