## Number Steps

Starting from point ( 0,0 ) on a plane, we have written all non-negative integers $0,1,2, \ldots$ as shown in the figure. For example, 1,2 , and 3 has been written at points $(1,1),(2,0)$, and $(3,1)$ respectively and this pattern has continued.


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You are to write a program that reads the coordinates of a point ( $x, y$ ), and writes the number (if any) that has been written at that point. ( $x, y$ ) coordinates in the input are in the range 0...10000.

## Input

The first line of the input is $N$, the number of test cases for this problem. In each of the $N$ following lines, there is $x$, and $y$ representing the coordinates $(x, y)$ of a point.

## Output

For each point in the input, write the number written at that point or write No Number if there is none.

## Example

## Input:

3
42
66
34

## Output:

6
12
No Number

