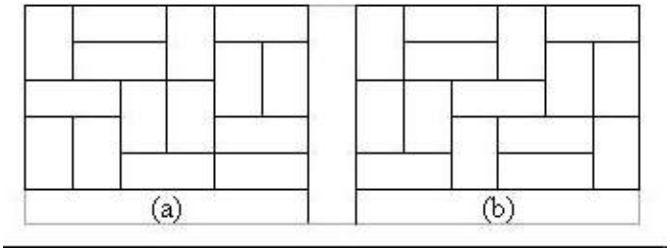
# 2892 - Unbreakable Floor

**Asia - Dhaka - 2003/2004**

Alan bought a new house. He likes rectangles, so he wants his floor full of identical rectangular shapes. Imagine he has a floor of **5 x 6**, he may fill this floor with rectangles of **1 x 2** in at least two ways:




**Picture (a) shows a 'breakable' layout**, since there is a straight line through the whole floor which divides the floor into two parts -- a **5 x 4** rectangle and a **5 x 2** rectangle, and all the **1 x 2** rectangles are not destroyed.

**Picture (b) shows a 'unbreakable' layout**, since you cannot divide it into two parts without destroying any **1 x 2** rectangle.

Alan likes unbreakable floorings, but he's not sure if it is possible for any size of floor and rectangle shape. Can you tell him?

## Input

The first line contains the number of tests **t(1<=t<=40)**. Each case consists of a single line with four positive integers **p, q, a, b (1<=p, q, a, b<=10000)**.

## Output

For each test case, print the case number first. Then print the word '**Yes**' if it is possible to make a unbreakable floor of **a x b** with rectangles of **p x q**, otherwise print the word '**No**'. Answer for each case should be in exactly one line.

## Sample Input

```
3
1 2 5 6
1 2 3 17
2 3 11 18
```

## Sample Output

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Case 1:Yes
Case 2:No
Case 3:Yes
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