B. Rectangle

Given four integers, check whether these four integers can form the four sides of a rectangle.

A valid rectangle must have two pairs of equal-length sides.

Input

- The input starts with a positive integer t $(1 \leq t \leq 10^4)$ — the number of test cases. Each test case is printed in a single line with four integers with the value in the range 1 to 1000.

Output

- For each test case, print **"YES"** if the given four integers can form the four sides of a rectangle; otherwise, print **"NO"**.

Example

Input

```
3
1 1 2 2
3 2 4 2
5 3 5 3
```

Output

```
YES
NO
YES
```