

# Problem A. Three Pairwise Maximums

**Time limit** 1000 ms

**Mem limit** 262144 kB

You are given three positive (i.e. strictly greater than zero) integers  $x$ ,  $y$  and  $z$ .

Your task is to find positive integers  $a$ ,  $b$  and  $c$  such that  $x = \max(a, b)$ ,  $y = \max(a, c)$  and  $z = \max(b, c)$ , or determine that it is impossible to find such  $a$ ,  $b$  and  $c$ .

You have to answer  $t$  independent test cases. Print required  $a$ ,  $b$  and  $c$  in any (arbitrary) order.

## Input

The first line of the input contains one integer  $t$  ( $1 \leq t \leq 2 \cdot 10^4$ ) — the number of test cases. Then  $t$  test cases follow.

The only line of the test case contains three integers  $x$ ,  $y$ , and  $z$  ( $1 \leq x, y, z \leq 10^9$ ).

## Output

For each test case, print the answer:

- "NO" in the only line of the output if a solution doesn't exist;
- or "YES" in the first line and **any** valid triple of positive integers  $a$ ,  $b$  and  $c$  ( $1 \leq a, b, c \leq 10^9$ ) in the second line. You can print  $a$ ,  $b$  and  $c$  in **any order**.

## Sample 1

Input	Output
5 3 2 3 100 100 100 50 49 49 10 30 20 1 1000000000 1000000000	YES 3 2 1 YES 100 100 100 NO NO YES 1 1 1000000000