




## A. Three Pairwise Maximums

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

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**.

### Example

input	Copy
5 3 2 3 100 100 100 50 49 49 10 30 20 1 1000000000 1000000000	
output	Copy
YES 3 2 1 YES 100 100 100 NO NO YES 1 1 1000000000	

### Codeforces Round #656 (Div. 3)

Finished

#### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.



Start virtual contest

#### → Problem tags

math \*800

No tag edit access

#### → Contest materials

- Announcement 
- Tutorial 



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