

Problem F. Sum

Time Limit 1000 ms

Mem Limit 262144 kB

You are given three integers a , b , and c . Determine if one of them is the sum of the other two.

Input

The first line contains a single integer t ($1 \leq t \leq 9261$) — the number of test cases.

The description of each test case consists of three integers a, b, c ($0 \leq a, b, c \leq 20$).

Output

For each test case, output "YES" if one of the numbers is the sum of the other two, and "NO" otherwise.

You can output the answer in any case (for example, the strings "yEs", "yes", "Yes" and "YES" will be recognized as a positive answer).

Examples

Input	Output
7	YES
1 4 3	NO
2 5 8	YES
9 11 20	YES
0 0 0	NO
20 20 20	NO
4 12 3	YES
15 7 8	

Note

In the first test case, $1 + 3 = 4$.

In the second test case, none of the numbers is the sum of the other two.

In the third test case, $9 + 11 = 20$.