Cup Finals

It is the World Cup Finals. Chef only finds a match interesting if the skill difference of the competing teams is *less than or equal to* D.

Given that the skills of the teams competing in the final are X and Y respectively, determine whether Chef will find the game interesting or not.

Input Format

- The first line of input will contain a single integer T, denoting the number of testcases. The description of T testcases follows.
- Each testcase consists of a single line of input containing three space-separated integers X, Y, and D — the skill levels of the teams and the maximum skill difference.

Output Format

For each testcase, output "YES" if Chef will find the game interesting, else output "NO" (without the quotes). The checker is case-insensitive, so "YeS" and "nO" etc. are also acceptable.

Constraints

- $1 \leq T \leq 2000$
- $1 \leq X, Y \leq 100$
- $0 \leq D \leq 100$

Sample 1:

Input	
Output	
3 5 3 4 5 3 1 5 5 0	YES NO YES

Explanation:

Test case 1**:** The skill difference between the teams is 2, which is less than the maximum allowed difference of 4.

Test case 2**:** The skill difference between the teams is 2, which is more than the maximum allowed difference of 1.