```java
import java.util.Scanner;

class Day62 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int T = sc.nextInt();
        for (int tc = 0; tc < T; ++tc) {
            int N = sc.nextInt();
            int X = sc.nextInt();
            int Y = sc.nextInt();
            System.out.println(solve(N, X, Y) ? "YES" : "NO");
        }
        sc.close();
    }


    static boolean solve(int N, int X, int Y) {
        return (N + 1) * Y >= X;
    }
}
```