

```
import java.util.*;
public class Main
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        int t = sc.nextInt();
        Set<Integer> s = new LinkedHashSet<Integer>();
        for(int i=1 ; i<=t ; i++)
        {
            int n = sc.nextInt();
            int a = sc.nextInt();
            if(n==1){
                s.add(a);
            }
            else if(n==2){
                if(s.contains(a))
                    s.remove(a);
            }
            else if(n==3){
                if(s.contains(a))
                    System.out.println("Yes");
                else
                    System.out.println("No");
            }
        }
    }
}
```