

```

import java.util.*;

class Day68
{
    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");
        }

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    }
}

```