

```
import java.util.Scanner;
import java.util.Set;
import java.util.LinkedHashSet;
class Main
{
    public static void main(String[] args)
    {
        Scanner input=new Scanner(System.in);
        int test=input.nextInt();
        Set<Integer> s=new LinkedHashSet<>();
        for(int i=0;i<test;i++)
        {
            int x=input.nextInt();
            int y=input.nextInt();
            if(x==1)
            {
                s.add(y);
            }
            else if(x==2)
            {
                if(s.contains(y))
                {
                    s.remove(y);
                }
            }
            else if(x==3)
            {
                if(s.contains(y))
                {
                    System.out.println("Yes");
                }
                else
                {
                    System.out.println("No");
                }
            }
        }
    }
}
```