

/*Day 54 coding Statement : Given an integer array of size N. Write Program to find whether Arrays are disjoint or not.

Two arrays are said to be disjoint if they have no elements in common.*/

```
import java.util.*;
```

```
public class Main
```

```
{
```

```
    public static void main(String[] args) {
```

```
        Scanner sc=new Scanner(System.in);
```

```
        int n=sc.nextInt();
```

```
        int a[]=new int[n];
```

```
        int c=0;
```

```
        for(int i=0;i<n;i++){
```

```
            a[i]=sc.nextInt();
```

```
        }
```

```
        int n1=sc.nextInt();
```

```
        int a1[]=new int[n1];
```

```
        for(int i=0;i<n1;i++){
```

```
            a1[i]=sc.nextInt();
```

```
        }
```

```
        for(int i=0;i<n;i++){
```

```
            for(int j=0;j<n1;j++){
```

```
                if(a[i]==a1[j]){
```

```
                    System.out.println("Not disjoint "+a[i]+ " is common");
```

```
                    c=c+1;
```

```
                    break;
```

```
                }
```

```
            }
```

```
            if(c==1){
```

```
                break;
```

```
        }  
    }  
    if(c==0){  
        System.out.println("disjoint");  
    }  
}  
}
```