You are given a number **n** , Write a program to **reverse** digits of **n.**

Input Format

The first line of input will contain an integer **T** — the number of test cases. The description of **T** test cases follows.

For each test case, you will get an integer input

Constraints

```
1 <= T <= 10^4

1 <= n <= 10^4
```

Output Format

Print the reverse.

Sample Input 0

```
4
1234
5678
4567
89
```

Sample Output 0

```
4321
8765
7654
98
```

Explanation 0

Print the reverse number .

Submitted Code

Language: Java 15

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

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int t = sc.nextInt();

        for(int i=0;i<t;i++){
            System.out.println(reverse(sc.nextInt()));
        }
    }
    public static int reverse(int n){
        int result=0;
        while(n>0){
            int rem = n%10;
            result=result *10+rem;
            n/=10;
        }
        return result;
    }
}
```

Write a Program to check whether a given number **n** is a **Palindrome** or not.

Definition of Palindrome:- A number which is equal to the reverse of the number.

Input Format

For each test case, you will get an positive integer input.

Constraints

```
10 <= n <= 10^4
```

Output Format

If number is a Palindrome then Print **"YES"**

If number is not a Palindrome number then Print **"NO"**

Sample Input 0

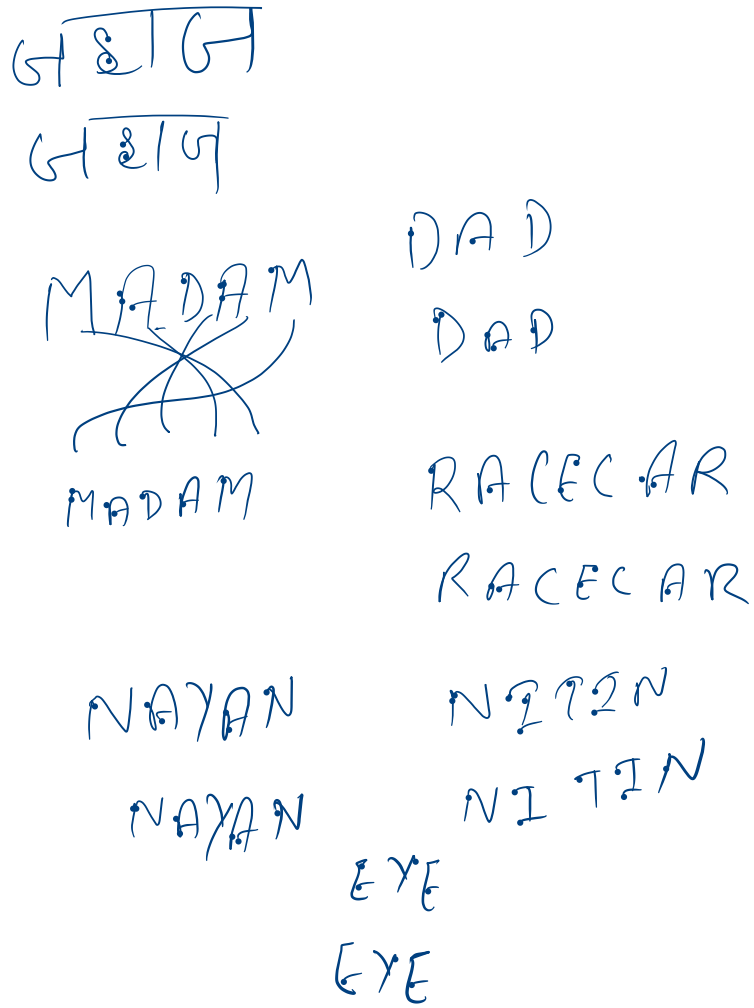
```
3
121
123
333
```

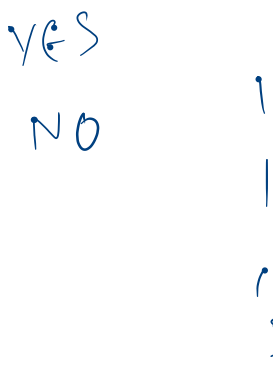
Sample Output 0

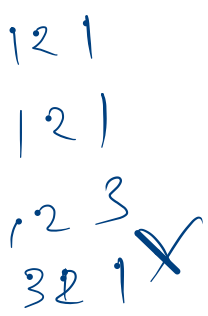
```
YES
NO
YES
```

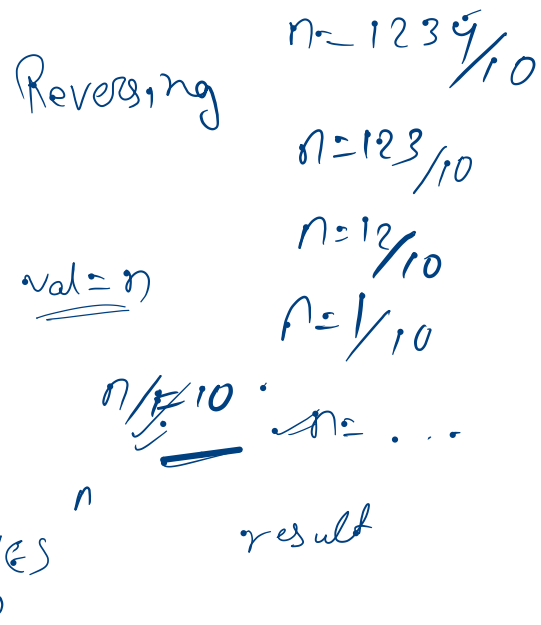
Explanation 0

Number **121** is equal to its **reverse** so, the answer will be **YES**









Submitted Code

Language: Java 15

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

public class Solution {

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int t = sc.nextInt();

        for(int i=0;i<t;i++){
            System.out.println(reverse(sc.nextInt()));
        }
    }
    public static String reverse(int n){
        int val =n;
        int result=0;
        while(n>0){
            int rem = n%10;
            result=result *10+rem;
            n/=10;
        }
        if(result == val)return "YES";
        else return "NO";
    }
}
```

You are given a **6** digit number **n** , you have to pick the **last 2** digits of the number of and put them in the starting.

Your task is to write a Program for the above problem and Print the Transformed number.

Input Format

For each test case, you will given a number n as an integer input.

Constraints

```
Given **n** should be **6** digits Number .
```

Output Format

Print the transformed number.

Sample Input 0

```
123456
```

Sample Output 0

```
561234
```

Explanation 0

123456 is given, then this number should transform to **561234**.

Submitted Code

Language: Java 15

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

public class Solution {

    public static void main(String[] args) {
      Scanner sc = new Scanner(System.in);


        System.out.print(transform(sc.nextInt()));
    }

    public static int transform(int n){//123456
        int rem = n%100; //56
        int qnt = n/100;//1234
        //561234  rem+qnt
        //560000+1234=561234

       int copy = qnt;
        int count=0;
        while(copy>0){
            count++;
            copy/=10;
        }
        //count=4
        while(count>0){
            rem*=10;
            count--;
        }
        //rem =560000;

       int ans = rem+qnt;
            //560000+1234 = 561234
        return ans;


    }
}
```