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| **Problem 2**  **Solved**  Problem code: CMB02 | * [SUBMIT](https://www.codechef.com/submit/CMB02) * [MY SUBMISSIONS](https://www.codechef.com/status/CMB02,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/CMB02) |

**All submissions for this problem are available.**

A positive integer is called a palindrome if its representation in the decimal system is the same when read from left to right and from right to left. For a given positive integer K of not more than 5 digits, write the value of the smallest palindrome larger than K to output. Numbers are always displayed without leading zeros.

**Input**

The first line contains integer t, the number of test cases. Integers K are given in the next t lines.

**Output**

For each K, output the smallest palindrome larger than K.

**Example**

**Input:**

1

808

**Output:**

818

<https://www.codechef.com/problems/CMB02>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static bool esPalin(string s)

{

char[] c = s.ToCharArray();

Array.Reverse(c);

if (new string(c) == s) return true;

return false;

}

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

int ans = 0;

while (t-- > 0)

{

int K = int.Parse(Console.ReadLine());

for (int i = K + 1; ; i++)

{

if (esPalin(i.ToString()))

{

ans = i;

break;

}

}

Console.WriteLine(ans);

}

Console.ReadLine();

}

}

}