The year of 2013 is the first year after the old 1987 with only distinct digits.

Now you are suggested to solve the following problem: given a year number, find the minimum year number which is strictly larger than the given one and has only distinct digits.

**Input (Year)** → integer :

(1000 ≤ Year ≤ 9000)

**Output** → integer :

the minimum year number that is strictly larger than y and all it's digits are distinct

<https://codefights.com/challenge/Pfb6uCSZvzuNjm8HQ>

**--------ACEPTADO----------**

**static** **int** Distinct\_Digit\_Year(**int** Year)

      {

**boolean** todosDistintos = **true**;

**do**

            {

                todosDistintos = **true**;

                Year++;

**int** y = Year;

                HashSet<Integer> hash = **new** HashSet();

**while** (y > 0)

                {

**if** (hash.contains(y % 10))

                    {

                        todosDistintos = **false**;

**break**;

                    }

                    hash.add(y % 10);

                    y /= 10;

                }

            } **while** (!todosDistintos);

**return** Year;

        }