Un-repeating Numbers

A 10-based number is called un-repeating number IF there is no "two same consecutive digits". For example, 105, 1234 and, 12121 are un-repeating numbers, while 11, 100 and
1225 are NOT.
We need to find the next un-repeating number given A as input.

Input:
Input consists of a list of A (until the end of input file).
$0 < A <= 10^{17}$

Sample input
54
10
9
98
21099

Sample Output:
56
12
10
101
21201

Note:

```
while( ... )
{
  A++;
}
```
This will give you TLE.