## 556. Next Greater Element III

Given a positive integer n, find the smallest integer which has exactly the same digits existing in the integer n and is greater in value than n. If no such positive integer exists, return -1.

Note that the returned integer should fit in **32-bit integer**, if there is a valid answer but it does not fit in **32-bit integer**, return [-1].

## Example 1:

```
Input: n = 12
Output: 21
```

## Example 2:

```
Input: n = 21
Output: -1
```

## **Constraints:**

• 1 <= n <= 2<sup>31</sup> - 1