

556. Next Greater Element III

Solved ●

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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 <= 231 - 1`

Seen this question in a real interview before? 1/4

Yes No

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