

681. Next Closest Time Premium

Medium 🔖 Topics 🏢 Companies

Given a `time` represented in the format `"HH:MM"`, form the next closest time by reusing the current digits. There is no limit on how many times a digit can be reused.

You may assume the given input string is always valid. For example, `"01:34"`, `"12:09"` are all valid. `"1:34"`, `"12:9"` are all invalid.

Example 1:

Input: `time = "19:34"`
Output: `"19:39"`
Explanation: The next closest time choosing from digits **1, 9, 3, 4**, is **19:39**, which occurs 5 minutes later.
It is not **19:33**, because this occurs 23 hours and 59 minutes later.

Example 2:

Input: `time = "23:59"`
Output: `"22:22"`
Explanation: The next closest time choosing from digits **2, 3, 5, 9**, is **22:22**.
It may be assumed that the returned time is next day's time since it is smaller than the input time numerically.

Constraints:

- `time.length == 5`
- `time` is a valid time in the form `"HH:MM"`.
- `0 <= HH < 24`
- `0 <= MM < 60`

Seen this question in a real interview before? 1/5

Yes No

Accepted **111.7K** | Submissions **238.4K** | Acceptance Rate **46.8%**

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Hash Table String Backtracking Enumeration

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0 - 3 months

Google 3

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