

Description

Solution

Submissions

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1152. Analyze User Website Visit Pattern

Medium 49 385 Add to List Share

We are given some website visits: the user with name `username[i]` visited the website `website[i]` at time `timestamp[i]`.

A 3-sequence is a list of websites of length 3 sorted in ascending order by the time of their visits. (The websites in a 3-sequence are not necessarily distinct.)

Find the 3-sequence visited by the largest number of users. If there is more than one solution, return the lexicographically smallest such 3-sequence.

Example 1:

Input: `username = ["joe","joe","joe","james","james","james","james","mary","mary","mary"], timestamp = [1,2,3,4,5,6,7,8,9,10], website = ["home","about","career","home","cart","maps","home","home","about","career"]`

Output: `["home","about","career"]`

Explanation:

The tuples in this example are:

`["joe", 1, "home"]`

`["joe", 2, "about"]`

`["joe", 3, "career"]`

`["james", 4, "home"]`

`["james", 5, "cart"]`

`["james", 6, "maps"]`

`["james", 7, "home"]`

`["mary", 8, "home"]`

`["mary", 9, "about"]`

`["mary", 10, "career"]`

The 3-sequence ("home", "about", "career") was visited at least once by 2 users.

The 3-sequence ("home", "cart", "maps") was visited at least once by 1 user.

The 3-sequence ("home", "cart", "home") was visited at least once by 1 user.

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The 3-sequence ("cart", "maps", "home") was visited at least once by 1 user.

Note:

1. $3 \leq N = \text{username.length} = \text{timestamp.length} = \text{website.length} \leq 50$
2. $1 \leq \text{username}[i].\text{length} \leq 10$
3. $0 \leq \text{timestamp}[i] \leq 10^9$
4. $1 \leq \text{website}[i].\text{length} \leq 10$
5. Both `username[i]` and `website[i]` contain only lowercase characters.
6. It is guaranteed that there is at least one user who visited at least 3 websites.
7. No user visits two websites at the same time.

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Yes

No

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