

Description

Solution

Submissions

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Python

Autocomplete

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1101. The Earliest Moment When Everyone Become Friends

Medium

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Add to List

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Share

In a social group, there are N people, with unique integer ids from 0 to $N-1$.

We have a list of `logs`, where each `logs[i] = [timestamp, id_A, id_B]` contains a non-negative integer timestamp, and the ids of two different people.

Each log represents the time in which two different people became friends. Friendship is symmetric: if A is friends with B, then B is friends with A.

Let's say that person A is acquainted with person B if A is friends with B, or A is a friend of someone acquainted with B.

Return the earliest time for which every person became acquainted with every other person. Return -1 if there is no such earliest time.

Example 1:

Input: logs = [[20190101,0,1],[20190104,3,4],[20190107,2,3],[20190211,1,5],[20190224,2,4],[20190301,0,3],[20190312,1,2],[20190322,4,5]], N = 6

Output: 20190301

Explanation:

The first event occurs at timestamp = 20190101 and after 0 and 1 become friends we have the following friendship groups [0,1], [2], [3], [4], [5].

The second event occurs at timestamp = 20190104 and after 3 and 4 become friends we have the following friendship groups [0,1], [2], [3,4], [5].

The third event occurs at timestamp = 20190107 and after 2 and 3 become friends we have the following friendship groups [0,1], [2,3,4], [5].

The fourth event occurs at timestamp = 20190211 and after 1 and 5 become friends we have the following friendship groups [0,1,5], [2,3,4].

The fifth event occurs at timestamp = 20190224 and as 2 and 4 are already friend anything happens.

The sixth event occurs at timestamp = 20190301 and after 0 and 3 become friends we have that all become friends.

Note:

1, 2 <= N <= 100

```
1 class Solution(object):
2     def earliestAcq(self, logs, N):
3         """
4         :type logs: List[List[int]]
5         :type N: int
6         :rtype: int
7         """
8
```

Console

Contribute

Problems

Pick One

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Next >

Run Code

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