+----+

song_id on the day day.

Table: Friendship +----+ | Column Name | Type | +----+ | user2_id | int | +----+ (user1_id, user2_id) is the primary key for this table. Each row of this table indicates that the users user1_id and user2_id are friends. Note that user1_id < user2_id.

There is no primary key for this table. It may contain duplicates.

Each row of this table indicates that the user user_id listened to the song

Write an SQL query to recommend friends to Leetcodify users. We recommend user x to user y if: ullet Users ${f x}$ and ${f y}$ are not friends, and

• Users x and y listened to the same three or more different songs on the same day. Note that friend recommendations are **unidirectional**, meaning if user x and user y should be recommended to each other, the result table should have both user \mathbf{x} recommended to user \mathbf{y} and user y recommended to user x. Also, note that the result table should not contain duplicates (i.e., user y should not be recommended to user x multiple times.).

Return the result table in **any order**.

The query result format is in the following example.

Example 1: Input: Listens table: +----+ | user_id | song_id | day | 1 | 10 | 2021-03-15 | | 1 | 11 | 2021–03–15 | | 1 | 12 | 2021–03–15 | | 2 | 10 | 2021-03-15 | | 2 | 11 | 2021-03-15 | | 2 | 12 | 2021–03–15 | | 3 | 10 | 2021–03–15 | | 3 | 11 | 2021–03–15 | | 12 | 2021–03–15 | | 4 | 10 | 2021–03–15 | | 11 | 2021–03–15 | | 4 | 13 | 2021–03–15 | | 5 | 10 | 2021-03-16 | | 5 | 11 | 2021–03–16 | | 5 | 12 | 2021–03–16 | +----+ Friendship table:

+----+ | user1_id | user2_id | +----+ | 1 | 2 | +----+ Output: | user_id | recommended_id | | 1 | 3 | 2 | 3

Explanation:

| 3 | 1 | 3 | 2

Users 1 and 2 listened to songs 10, 11, and 12 on the same day, but they are already friends. Users 1 and 3 listened to songs 10, 11, and 12 on the same day. Since they are not friends, we recommend them to each other. Users 1 and 4 did not listen to the same three songs.

Similarly, we can see that users 2 and 3 listened to songs 10, 11, and 12 on the

Users 1 and 5 listened to songs 10, 11, and 12, but on different days.

same day and are not friends, so we recommend them to each other.

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