Table: Signups

+----------------+----------+  
| Column Name | Type |  
+----------------+----------+  
| user\_id | int |  
| time\_stamp | datetime |  
+----------------+----------+  
user\_id is the column of unique values for this table.  
Each row contains information about the signup time for the user with ID user\_id.

Table: Confirmations

+----------------+----------+  
| Column Name | Type |  
+----------------+----------+  
| user\_id | int |  
| time\_stamp | datetime |  
| action | ENUM |  
+----------------+----------+  
(user\_id, time\_stamp) is the primary key (combination of columns with unique values) for this table.  
user\_id is a foreign key (reference column) to the Signups table.  
action is an ENUM (category) of the type ('confirmed', 'timeout')  
Each row of this table indicates that the user with ID user\_id requested a confirmation message at time\_stamp and that confirmation message was either confirmed ('confirmed') or expired without confirming ('timeout').

The **confirmation rate** of a user is the number of 'confirmed' messages divided by the total number of requested confirmation messages. The confirmation rate of a user that did not request any confirmation messages is 0. Round the confirmation rate to **two decimal** places.

Write a solution to find the **confirmation rate** of each user.

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

The result format is in the following example.

**Example 1:**

Input:   
Signups table:  
+---------+---------------------+  
| user\_id | time\_stamp |  
+---------+---------------------+  
| 3 | 2020-03-21 10:16:13 |  
| 7 | 2020-01-04 13:57:59 |  
| 2 | 2020-07-29 23:09:44 |  
| 6 | 2020-12-09 10:39:37 |  
+---------+---------------------+  
Confirmations table:  
+---------+---------------------+-----------+  
| user\_id | time\_stamp | action |  
+---------+---------------------+-----------+  
| 3 | 2021-01-06 03:30:46 | timeout |  
| 3 | 2021-07-14 14:00:00 | timeout |  
| 7 | 2021-06-12 11:57:29 | confirmed |  
| 7 | 2021-06-13 12:58:28 | confirmed |  
| 7 | 2021-06-14 13:59:27 | confirmed |  
| 2 | 2021-01-22 00:00:00 | confirmed |  
| 2 | 2021-02-28 23:59:59 | timeout |  
+---------+---------------------+-----------+  
Output:   
+---------+-------------------+  
| user\_id | confirmation\_rate |  
+---------+-------------------+  
| 6 | 0.00 |  
| 3 | 0.00 |  
| 7 | 1.00 |  
| 2 | 0.50 |  
+---------+-------------------+  
Explanation:   
User 6 did not request any confirmation messages. The confirmation rate is 0.  
User 3 made 2 requests and both timed out. The confirmation rate is 0.  
User 7 made 3 requests and all were confirmed. The confirmation rate is 1.  
User 2 made 2 requests where one was confirmed and the other timed out. The confirmation rate is 1 / 2 = 0.5.