Given a table with event logs, find the top five users with the longest continuous streak of visiting the platform in 2020.

Note: A continuous streak counts if the user visits the platform at least once per day on consecutive days.

Example:

Input:

events table

Column	Type
user_id	INTEGER
created_at	DATETIME
url	VARCHAR

player_id	created_at	result
1	2020-10-01 00:00:00.000	Win
1	2020-10-02 00:00:00.000	Win
1	2020-10-03 00:00:00.000	Win
1	2020-10-03 00:00:00.000	Draw
1	2020-10-04 00:00:00.000	Win
3	2020-10-04 00:00:00.000	Draw
3	2020-10-05 00:00:00.000	Draw
2	2019-10-19 00:00:00.000	Lose
2	2019-10-25 00:00:00.000	Lose
4	2019-11-05 00:00:00.000	Win

FIRST RANK ALL THOSE MATCHES USE DENSE RANK BECOZ HERE U HAVE TO RANK THEM BY NUMBER

player_id	match_day	RN	
1	2020-10-01 00:00:00.000	1	
1	2020-10-02 00:00:00.000	2	
1	2020-10-03 00:00:00.000	3	
1	2020-10-03 00:00:00.000	3	
1	2020-10-04 00:00:00.000	4	
2	2019-10-19 00:00:00.000	1	
2	2019-10-25 00:00:00.000	2	
3	2020-10-04 00:00:00.000	1	
3	2020-10-05 00:00:00.000	2	
4	2019-11-05 00:00:00.000	1	

NOW FIND ALL THE WINNING PLAYERS AND RANK THEM

player_id	match_day	RN
1	2020-10-01 00:00:00.000	1
1	2020-10-02 00:00:00.000	2
1	2020-10-03 00:00:00.000	3
1	2020-10-04 00:00:00.000	4
4	2019-11-05 00:00:00.000	1

NOW RANK THESE PLAYERS NUMBER OF MATCHES PLAYED FOR DISTINCT PLAYERS

player_id	DIFF	CNT	RNK
1	0	4	1
4	0	1	1

```
WITH CTE A AS (
SELECT M.player id
     , M.RN - W.RN AS DIFF
     , COUNT(DISTINCT M.match_day) AS CNT
     , RANK() OVER (PARTITION BY M.player_id
                        ORDER BY COUNT(DISTINCT M.match day) DESC) AS RNK
  FROM (
        SELECT player_id
            , created_at AS match_day
             , DENSE_RANK() OVER (PARTITION BY player_id ORDER BY created_at) AS RN
          FROM Matches
       ) M
  JOIN (
        SELECT player_id
             ,created_at AS match_day
             , DENSE_RANK() OVER (PARTITION BY player_id ORDER BY created_at) AS RN
          FROM Matches
         WHERE result = 'Win'
  ) W
    ON M.player id = W.player id
   AND M.match_day = W.match_day
GROUP BY M.player_id
        , M.RN - W.RN
--SELECT * FROM CTE A
SELECT DISTINCT
       M.player_id
     , CASE WHEN A.player_id IS NULL THEN 0 ELSE A.CNT END longest_streak
  FROM Matches M
  LEFT JOIN CTE_A A
   ON M.player_id = A.player_id
  AND A.RNK = 1
```

RANKED BY WINNERS AND COUNT ON MATCHES PLAYED CONTINUOUSLY

player_id	longest_streak
1	4
2	0
3	0
4	1