

# Problem 3390: Longest Team Pass Streak

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 40.14%

**Paid Only:** Yes

**Tags:** Database

## Problem Description

Table: `Teams`

+-----+-----+ | Column Name | Type | +-----+-----+ | player\_id | int || team\_name | varchar | +-----+-----+ player\_id is the unique key for this table. Each row contains the unique identifier for player and the name of one of the teams participating in that match.

Table: `Passes`

+-----+-----+ | Column Name | Type | +-----+-----+ | pass\_from | int || time\_stamp | varchar || pass\_to | int | +-----+-----+ (pass\_from, time\_stamp) is the unique key for this table. pass\_from is a foreign key to player\_id from Teams table. Each row represents a pass made during a match, time\_stamp represents the time in minutes (00:00-90:00) when the pass was made, pass\_to is the player\_id of the player receiving the pass.

Write a solution to find the \*\*longest successful pass streak\*\* for \*\*each team\*\* during the match. The rules are as follows:

\* A successful pass streak is defined as consecutive passes where:  
\* Both the `pass\_from` and `pass\_to` players belong to the same team  
\* A streak breaks when either:  
\* The pass is intercepted (received by a player from the opposing team)

Return \_the result table ordered by\_ `team\_name` \_in\*\*ascending\*\* order\_.

The result format is in the following example.

**\*\*Example:\*\***

**\*\*Input:\*\***

Teams table:

```
+-----+-----+ | player_id | team_name | +-----+-----+ | 1 | Arsenal | | 2 | Arsenal | | 3 | Arsenal | | 4 | Arsenal | | 5 | Chelsea | | 6 | Chelsea | | 7 | Chelsea | | 8 | Chelsea | +-----+-----+
```

Passes table:

```
+-----+-----+-----+ | pass_from | time_stamp | pass_to | +-----+-----+-----+ | 1 | 00:05 | 2 | | 2 | 00:07 | 3 | | 3 | 00:08 | 4 | | 4 | 00:10 | 5 | | 6 | 00:15 | 7 | | 7 | 00:17 | 8 | | 8 | 00:20 | 6 | | 6 | 00:22 | 5 | | 1 | 00:25 | 2 | | 2 | 00:27 | 3 | +-----+-----+-----+
```

**\*\*Output:\*\***

```
+-----+-----+-----+ | team_name | longest_streak | +-----+-----+ | Arsenal | 3 | | Chelsea | 4 | +-----+-----+
```

**\*\*Explanation:\*\***

\* \*\*Arsenal\*\* 's streaks: \* First streak: 3 passes (1->2->3->4) ended when player 4 passed to Chelsea's player 5 \* Second streak: 2 passes (1->2->3) \* Longest streak = 3 \* \*\*Chelsea\*\* 's streaks: \* First streak: 3 passes (6->7->8->6->5) \* Longest streak = 4

## Code Snippets

**MySQL:**

```
# Write your MySQL query statement below
```

**MS SQL Server:**

```
/* Write your T-SQL query statement below */
```

**PostgreSQL:**

-- Write your PostgreSQL query statement below