

# Problem 1194: Tournament Winners

## Problem Information

**Difficulty:** Hard

**Acceptance Rate:** 49.93%

**Paid Only:** Yes

**Tags:** Database

## Problem Description

Table: `Players`

+-----+-----+ | Column Name | Type | +-----+-----+ | player\_id | int | | group\_id | int | +-----+-----+ player\_id is the primary key (column with unique values) of this table. Each row of this table indicates the group of each player.

Table: `Matches`

+-----+-----+ | Column Name | Type | +-----+-----+ | match\_id | int | | first\_player | int | | second\_player | int | | first\_score | int | | second\_score | int | +-----+-----+ match\_id is the primary key (column with unique values) of this table. Each row is a record of a match, first\_player and second\_player contain the player\_id of each match. first\_score and second\_score contain the number of points of the first\_player and second\_player respectively. You may assume that, in each match, players belong to the same group.

The winner in each group is the player who scored the maximum total points within the group. In the case of a tie, the \*\*lowest\*\* `player\_id` wins.

Write a solution to find the winner in each group.

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

The result format is in the following example.

**Example 1:**

```

**Input:** Players table: +-----+-----+ | player_id | group_id | +-----+-----+
15 | 1 || 25 | 1 || 30 | 1 || 45 | 1 || 10 | 2 || 35 | 2 || 50 | 2 || 20 | 3 || 40 | 3 |
+-----+-----+ Matches table:
+-----+-----+-----+-----+ | match_id | first_player |
second_player | first_score | second_score |
+-----+-----+-----+-----+ | 1 | 15 | 45 | 3 | 0 || 2 | 30 | 25 | 1
| 2 | 3 | 30 | 15 | 2 | 0 || 4 | 40 | 20 | 5 | 2 || 5 | 35 | 50 | 1 | 1 |
+-----+-----+-----+-----+ **Output:** +-----+-----+
group_id | player_id | +-----+-----+ | 1 | 15 | 2 | 35 | 3 | 40 | +-----+-----+

```

## 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
```