# Problem 1767: Find the Subtasks That Did Not Execute

## Problem Information

**Difficulty:** Hard
**Acceptance Rate:** 78.46%
**Paid Only:** Yes
**Tags:** Database

## Problem Description

Table: `Tasks`

+----------------+---------+ | Column Name | Type | +----------------+---------+ | task_id | int | | subtasks_count | int | +----------------+---------+ task_id is the column with unique values for this table. Each row in this table indicates that task_id was divided into subtasks_count subtasks labeled from 1 to subtasks_count. It is guaranteed that 2 <= subtasks_count <= 20.

Table: `Executed`

+---------------+---------+ | Column Name | Type | +---------------+---------+ | task_id | int | | subtask_id | int | +---------------+---------+ (task_id, subtask_id) is the combination of columns with unique values for this table. Each row in this table indicates that for the task task_id, the subtask with ID subtask_id was executed successfully. It is **guaranteed** that subtask_id <= subtasks_count for each task_id.

Write a solution to report the IDs of the missing subtasks for each `task_id`.

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

The result format is in the following example.

**Example 1:**

**Input:** Tasks table: +---------+----------------+ | task_id | subtasks_count | +---------+----------------+ | 1 | 3 | | 2 | 2 | | 3 | 4 | +---------+----------------+ Executed table:

| task_id | subtask_id |
| --- | --- |
| 1 | 2 |
| 3 | 1 |
| 3 | 2 |
| 3 | 3 |
| 3 | 4 |

**Output:**

| task_id | subtask_id |
| --- | --- |
| 1 | 1 |
| 1 | 3 |
| 2 | 1 |
| 2 | 2 |

**Explanation:** Task 1 was divided into 3 subtasks (1, 2, 3). Only subtask 2 was executed successfully, so we include (1, 1) and (1, 3) in the answer. Task 2 was divided into 2 subtasks (1, 2). No subtask was executed successfully, so we include (2, 1) and (2, 2) in the answer. Task 3 was divided into 4 subtasks (1, 2, 3, 4). All of the subtasks were executed successfully.

## 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
```