1225. Report Contiguous Dates

Description

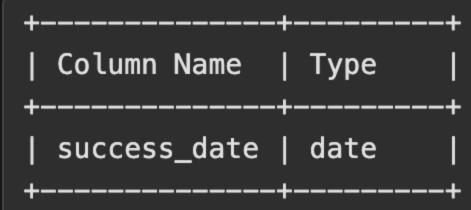
Table: Failed

+ Column Name +	Type
fail_date 	date

fail_date is the primary key (column with unique values) for this table.

This table contains the days of failed tasks.

Table: Succeeded



success_date is the primary key (column with unique values) for this table.

This table contains the days of succeeded tasks.

A system is running one task every day. Every task is independent of the previous tasks. The tasks can fail or succeed.

Write a solution to report the period_state for each continuous interval of days in the period from 2019-01-01 to 2019-12-31.

period_state is 'failed' if tasks in this interval failed or 'succeeded' if tasks in this interval succeeded. Interval of days are retrieved as start_date and end_date.

Return the result table ordered by start_date.

The result format is in the following example.

Example 1:

Input:

Failed table:	_+
fail_date	
+	-+
2018-12-28	
2018-12-29	
2019-01-04	
2019-01-05	
Succeeded table:	-+

| 2019-01-01 | 2019-01-02 | 2019-01-03 | 2019-01-06

Output:

+		+ -
period_state	start_date	end_date
succeeded failed succeeded	2019-01-01 2019-01-04 2019-01-06	2019-01-03 2019-01-05 2019-01-06

Explanation:

The report ignored the system state in 2018 as we care about the system in the period 2019-01-01 to 2019-12-31.

From 2019-01-01 to 2019-01-03 all tasks succeeded and the system state was "succeeded".

From 2019-01-04 to 2019-01-05 all tasks failed and the system state was "failed".

From 2019-01-06 to 2019-01-06 all tasks succeeded and the system state was "succeeded".