

2142. The Number of Passengers in Each Bus I

Description

Table: `Buses`

Column Name	Type
bus_id	int
arrival_time	int

bus_id is the column with unique values for this table.
Each row of this table contains information about the arrival time of a bus at the LeetCode station.
No two buses will arrive at the same time.

Table: `Passengers`

Column Name	Type
passenger_id	int
arrival_time	int

passenger_id is the column with unique values for this table.
Each row of this table contains information about the arrival time of a passenger at the LeetCode station.

Buses and passengers arrive at the LeetCode station. If a bus arrives at the station at time `tbus` and a passenger arrived at time `tpassenger` where `tpassenger <= tbus` and the passenger did not catch any bus, the passenger will use that bus.

Write a solution to report the number of users that used each bus.

Return the result table ordered by `bus_id` in **ascending order**.

The result format is in the following example.

Example 1:

Input:

Buses table:

bus_id	arrival_time
1	2
2	4
3	7

Passengers table:

passenger_id	arrival_time
11	1
12	5
13	6
14	7

Output:

bus_id	passengers_cnt
1	1
2	0
3	3

Explanation:

- Passenger 11 arrives at time 1.
- Bus 1 arrives at time 2 and collects passenger 11.
- Bus 2 arrives at time 4 and does not collect any passengers.
- Passenger 12 arrives at time 5.
- Passenger 13 arrives at time 6.
- Passenger 14 arrives at time 7.
- Bus 3 arrives at time 7 and collects passengers 12, 13, and 14.

