2292. Products With Three or More Orders in Two Consecutive Years

Description

Table: `Orders`

```
+----------------+-------+
| Column Name    | Type  |
+----------------+-------+
| order_id       | int   |
| product_id     | int   |
| quantity       | int   |
| purchase_date  | date  |
+----------------+-------+
order_id contains unique values.
Each row in this table contains the ID of an order, the id of the product purchased, the quantity, and the purchase date.
```

Write a solution to report the IDs of all the products that were ordered three or more times in two consecutive years.

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

The result format is shown in the following example.

Example 1:

```
Input:
Orders table:
+-----------+-------------+-----------+----------------+
| order_id  | product_id  | quantity  | purchase_date  |
+-----------+-------------+-----------+----------------+
| 1         | 1           | 7         | 2020-03-16     |
| 2         | 1           | 4         | 2020-12-02     |
| 3         | 1           | 7         | 2020-05-10     |
| 4         | 1           | 6         | 2021-12-23     |
| 5         | 1           | 5         | 2021-05-21     |
| 6         | 1           | 6         | 2021-10-11     |
| 7         | 2           | 6         | 2022-10-11     |
+-----------+-------------+-----------+----------------+
Output:
+-------------+
| product_id  |
+-------------+
| 1           |
+-------------+
Explanation:
Product 1 was ordered in 2020 three times and in 2021 three times. Since it was ordered three times in two consecutive years, we include it in the
answer.
Product 2 was ordered one time in 2022. We do not include it in the answer.
```