Get newest date with blabalbalbalba

Table: Items

- id
- name
- price
- ...

Table: Item_orders

- receive_date
- item_id
- cost
- ...

In the table Item_orders we have a lot of different items with different dates and costs. We need all items from the Items table with the cost of the newest receive_date from the item_orders table.

First we select what we need from Items table:

```
SELECT  id, name
FROM items
```

Then we select what we need from item_orders table:

```
SELECT item_id, receive_date, cost
FROM item_orders
```

Then we need the newest dates from item_orders table:

```
SELECT item_id, MAX(receive_date) AS rdate
FROM item_orders
GROUP BY item_id
```

Then we join the two different item_orders tables on the item_id and receive_date:

```
SELECT rdate_max.item_id, MAX(cost_table.cost) AS costt
FROM (
    SELECT item_id, MAX(receive_date) AS rdate
    FROM item_orders
    GROUP BY item_id
    ) AS rdate
```

```
    INNER JOIN (
        SELECT item_id, receive_date, cost
        FROM item_orders
    ) AS cost_table ON cost_table.item_id = rdate.item_id AND
cost_table.receive_date = rdate.rdate
    GROUP BY rdate.item_id
```

Now join with the items table:

```
SELECT items.id, items.name, cost_table.cost, items.price
FROM items
LEFT JOIN (
SELECT rdate_max.item_id, MAX(cost_table.cost) AS costt
FROM (
    SELECT item_id, MAX(receive_date) AS rdate
    FROM item_orders
    GROUP BY item_id
    ) AS rdate
    INNER JOIN (
        SELECT item_id, receive_date, cost
        FROM item_orders
    ) AS cost_table ON cost_table.item_id = rdate.item_id AND
cost_table.receive_date = rdate.rdate
    GROUP BY rdate.item_id
) AS cost_table ON cost_table.item_id = items.id
```