3050. Pizza Toppings Cost Analysis

Description

Table: `Toppings`

```
+---------------+----------+
| Column Name   | Type     |
+---------------+----------+
| topping_name  | varchar  |
| cost          | decimal  |
+---------------+----------+
topping_name is the primary key for this table.
Each row of this table contains topping name and the cost of the topping.
```

Write a solution to calculate the **total cost** of **all possible** `3` -**topping** pizza combinations from a given list of toppings. The total cost of toppings must be **rounded** to `2` **decimal** places.

Note:

- **Do not** include the pizzas where a topping is **repeated** . For example, 'Pepperoni, Pepperoni, Onion Pizza'.
- Toppings **must be** listed in **alphabetical order** . For example, 'Chicken, Onions, Sausage'. 'Onion, Sausage, Chicken' is not acceptable.

Return *the result table ordered by total cost in* *descending* *order and combination of toppings in* *ascending* *order.*

The result format is in the following example.

Example 1:

```
Input:
Toppings table:
+---------------+------+
| topping_name  | cost |
+---------------+------+
| Pepperoni     | 0.50 |
| Sausage       | 0.70 |
| Chicken       | 0.55 |
| Extra Cheese  | 0.40 |
+---------------+------+

Output:
+-----------------------------+------------+
| pizza                       | total_cost |
+-----------------------------+------------+
| Chicken,Pepperoni,Sausage   | 1.75       |
| Chicken,Extra Cheese,Sausage| 1.65       |
| Extra Cheese,Pepperoni,Sausage| 1.60     |
| Chicken,Extra Cheese,Pepperoni| 1.45     |
+-----------------------------+------------+

Explanation:
There are only four different combinations possible with the three topings:
- Chicken, Pepperoni, Sausage: Total cost is $1.75 (Chicken $0.55, Pepperoni $0.50, Sausage $0.70).
- Chicken, Extra Cheese, Sausage: Total cost is $1.65 (Chicken $0.55, Extra Cheese $0.40, Sausage $0.70).
- Extra Cheese, Pepperoni, Sausage: Total cost is $1.60 (Extra Cheese $0.40, Pepperoni $0.50, Sausage $0.70).
- Chicken, Extra Cheese, Pepperoni: Total cost is $1.45 (Chicken $0.55, Extra Cheese $0.40, Pepperoni $0.50).
Output table is ordered by the total cost in descending order.
```