Shopping List using Merge Sort

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Challenge name: merge-sort-shopping-list
Description:

Given a shopping list (each entry has a "name", "unit price" and "quantity") use a Merge Sort algorithm to print the shopping list in order, either from max to min total item price (unit price x quantity).

Example

Input:
Doritos $25, qty 2
Peanuts $20, qty 3
Pizza $120, qty 2
Beer $15, qty 12

Output
Max to min: **Pizza (2), Beer (12), Peanuts (3), Doritos (2)**
Min to max: **Doritos (2), Peanuts (3), Beer (12), Pizza(2)**

After completing the challenge please submit it in this form.