

item_id is the column of unique values for this table.

Each row includes item id, item type, item category and sqaure footage.

Leetcode warehouse wants to maximize the number of items it can stock in a 500,000 square feet warehouse. It wants to stock as many **prime** items as possible, and afterwards use the **remaining** square footage to stock the most number of **non-prime** items.

Write a solution to find the number of **prime** and **non-prime** items that can be **stored** in the 500,000 square feet warehouse. Output the item type with prime_eligible followed by not_prime and the maximum number of items that can be stocked.

Note:

- Item count must be a whole number (integer).
- If the count for the **not_prime** category is 0, you should **output** 0 for that particular category.

Return the result table ordered by item count in descending order.

The result format is in the following example.

Example 1:

Input: Inventory table:

item_id	item_type	item_category	 square_footage
1374	prime_eligible	Watches	68.00
4245	not_prime	Art	26.40
5743	prime_eligible	Software	325.00
8543	not_prime	Clothing	64.50
2556	not_prime	Shoes	15.00
2452	prime_eligible	Scientific	85.00
3255	not_prime	Furniture	22.60
1672	prime_eligible	Beauty	8.50
4256	prime_eligible	Furniture	55.50
6325	prime_eligible	Food	13.20

Output:

item_type	item_count
prime_eligible not_prime	5400 8

Explanation:

- The prime-eligible category comprises a total of 6 items, amounting to a combined square footage of 555.20 (68 + 325 + 85 + 8.50 + 55.50 + 13.20). It is possible to store 900 combinations of these 6 items, totaling 5400 items and occupying 499,680 square footage.
- In the not_prime category, there are a total of 4 items with a combined square footage of 128.50. After deducting the storage used by prime—eligible items (500,000 499,680 = 320), there is room for 2 combinations of non-prime items, accommodating a total of 8 non-prime items within the available 320 square footage.

 Output table is ordered by item count in descending order.

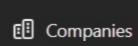
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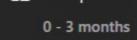
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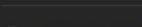
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