A transaction is possibly invalid if:

* the amount exceeds $1000, or;
* if it occurs within (and including) 60 minutes of another transaction with the **same name** in a **different city**.

You are given an array of strings transaction where transactions[i] consists of comma-separated values representing the name, time (in minutes), amount, and city of the transaction.

Return a list of transactions that are possibly invalid. You may return the answer in **any order**.

**Example 1:**

**Input:** transactions = ["alice,20,800,mtv","alice,50,100,beijing"]

**Output:** ["alice,20,800,mtv","alice,50,100,beijing"]

**Explanation:** The first transaction is invalid because the second transaction occurs within a difference of 60 minutes, have the same name and is in a different city. Similarly the second one is invalid too.

**Example 2:**

**Input:** transactions = ["alice,20,800,mtv","alice,50,1200,mtv"]

**Output:** ["alice,50,1200,mtv"]

**Example 3:**

**Input:** transactions = ["alice,20,800,mtv","bob,50,1200,mtv"]

**Output:** ["bob,50,1200,mtv"]

**Constraints:**

* transactions.length <= 1000
* Each transactions[i] takes the form "{name},{time},{amount},{city}"
* Each {name} and {city} consist of lowercase English letters, and have lengths between 1 and 10.
* Each {time} consist of digits, and represent an integer between 0 and 1000.
* Each {amount} consist of digits, and represent an integer between 0 and 2000.