

5516. Alert Using Same Key-Card Three or More Times in a One Hour Period

[biweekly-contest-36/problems/alert-using-same-key-card-three-or-more-times-in-a-one-hour-period/submissions/](https://leetcode.com/contest/biweekly-contest-36/problems/alert-using-same-key-card-three-or-more-times-in-a-one-hour-period/submissions/)

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Leetcode company workers use key-cards to unlock office doors. Each time a worker uses their key-card, the security system saves the worker's name and the time when it was used. The system emits an **alert** if any worker uses the key-card **three or more times** in a one-hour period.

You are given a list of strings `keyName` and `keyTime` where `[keyName[i], keyTime[i]]` corresponds to a person's name and the time when their key-card was used **in a single day**.

Access times are given in the **24-hour time format "HH:MM"**, such as "23:51" and "09:49".

Return a *list of unique worker names who received an alert for frequent keycard use*. Sort the names in **ascending order alphabetically**.

Notice that "10:00" - "11:00" is considered to be within a one-hour period, while "23:51" - "00:10" is not considered to be within a one-hour period.

Example 1:

Input: `keyName = ["daniel","daniel","daniel","luis","luis","luis","luis"], keyTime = ["10:00","10:40","11:00","13:00","13:10","13:20","13:30"]`
Output: `["daniel"]`
Explanation: "daniel" used the keycard 3 times in a one-hour period ("10:00","10:40", "11:00").

Example 2:

Input: `keyName = ["alice","alice","alice","bob","bob","bob","bob"], keyTime = ["12:01","12:02","12:03","21:00","21:01","21:02","21:03"]`
Output: `["bob"]`
Explanation: "bob" used the keycard 3 times in a one-hour period ("21:00","21:01", "21:02").

Example 3:

Input: `keyName = ["john","john","john"], keyTime = ["23:58","23:59","00:01"]`
Output: `[]`

Example 4:

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Input: keyName = ["leslie","leslie","leslie","clare","clare","clare","clare"], keyTime = ["00:00","00:01","00:02","00:03","00:04","00:05","00:06"]
Output: ["clare","leslie"]

Constraints:

- $1 \leq \text{keyName.length}, \text{keyTime.length} \leq 10^5$
- $\text{keyName.length} == \text{keyTime.length}$
- keyTime are in the format "HH:MM".
- [keyName[i], keyTime[i]] is **unique**.
- $1 \leq \text{keyName[i].length} \leq 10$
- keyName[i] contains only lowercase English letters.

JavaScript ▼



```
1 /**
2  * @param {string[]} keyName
3  * @param {string[]} keyTime
4  * @return {string[]}
5  */
6 var alertNames = function(keyName, keyTime) {
7
8 };
```

☐ Custom Testcase

Use Example Testcases

Run

Submit