2365. Task Scheduler II

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You are given a **0-indexed** array of positive integers `tasks`, representing tasks that need to be completed **in order**, where `tasks[i]` represents the **type** of the ith task.

You are also given a positive integer `space`, which represents the **minimum** number of days that must pass **after** the completion of a task before another task of the **same** type can be performed.

Each day, until all tasks have been completed, you must either:

- Complete the next task from `tasks`, or
- Take a break.

Return *the **minimum** number of days needed to complete all tasks*.

User Accepted:	4948
User Tried:	6820
Total Accepted:	5159
Total Submissions:	14013
Difficulty:	Medium

Example 1:

```
Input: tasks = [1,2,1,2,3,1], space = 3
Output: 9
Explanation:
One way to complete all tasks in 9 days is as follows:
Day 1: Complete the 0th task.
Day 2: Complete the 1st task.
Day 3: Take a break.
Day 4: Take a break.
Day 5: Complete the 2nd task.
Day 6: Complete the 3rd task.
Day 7: Take a break.
Day 8: Complete the 4th task.
Day 9: Complete the 5th task.
It can be shown that the tasks cannot be completed in less than 9 days.
```

Example 2:

```
Input: tasks = [5,8,8,5], space = 2
Output: 6
Explanation:
One way to complete all tasks in 6 days is as follows:
Day 1: Complete the 0th task.
Day 2: Complete the 1st task.
Day 3: Take a break.
Day 4: Take a break.
Day 5: Complete the 2nd task.
Day 6: Complete the 3rd task.
It can be shown that the tasks cannot be completed in less than 6 days.
```

Constraints:

- $1 <= tasks.length <= 10^5$
- $1 <= tasks[i] <= 10^9$
- $1 <= space <= tasks.length$

Discuss (https://leetcode.com/problems/task-scheduler-ii/discuss)

JavaScript ▼   ⟨⟩ ⟳ ⚙

```javascript
1 ▾ const taskSchedulerII = (a, space) => {
2       let m = new Map(), res = 0;
3 ▾     for (const x of a) {
4           let cnt = m.get(x) || 0;
5           res = Math.max(res, cnt);
6           res++;
```

```
 7            m.set(x, res + space);
 8        }
 9        return res;
10  };
```

☐ **Custom Testcase**   (Use Example Testcases)

▶ Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/767401840/) ❓   (More Details ❯ (/submissions/detail/767401840/))

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