1953. Maximum Number of Weeks for Which You Can Work

Description

There are `n` projects numbered from `0` to `n - 1`. You are given an integer array `milestones` where each `milestones[i]` denotes the number of milestones the `i th` project has.

You can work on the projects following these two rules:

- Every week, you will finish **exactly one** milestone of **one** project. You **must** work every week.
- You **cannot** work on two milestones from the same project for two **consecutive** weeks.

Once all the milestones of all the projects are finished, or if the only milestones that you can work on will cause you to violate the above rules, you will **stop working**. Note that you may not be able to finish every project's milestones due to these constraints.

Return *the **maximum** number of weeks you would be able to work on the projects without violating the rules mentioned above*.

Example 1:

```
Input: milestones = [1,2,3]
Output: 6
Explanation: One possible scenario is:
- During the 1st week, you will work on a milestone of project 0.
- During the 2nd week, you will work on a milestone of project 2.
- During the 3rd week, you will work on a milestone of project 1.
- During the 4th week, you will work on a milestone of project 2.
- During the 5th week, you will work on a milestone of project 1.
- During the 6th week, you will work on a milestone of project 2.
The total number of weeks is 6.
```

Example 2:

```
Input: milestones = [5,2,1]
Output: 7
Explanation: One possible scenario is:
- During the 1st week, you will work on a milestone of project 0.
- During the 2nd week, you will work on a milestone of project 1.
- During the 3rd week, you will work on a milestone of project 0.
- During the 4th week, you will work on a milestone of project 1.
- During the 5th week, you will work on a milestone of project 0.
- During the 6th week, you will work on a milestone of project 2.
- During the 7th week, you will work on a milestone of project 0.
The total number of weeks is 7.
Note that you cannot work on the last milestone of project 0 on 8th week because it would violate the rules.
Thus, one milestone in project 0 will remain unfinished.
```

Constraints:

- `n == milestones.length`
- `1 <= n <= 10^5`
- `1 <= milestones[i] <= 10^9`