6071. Minimum Rounds to Complete All Tasks

My Submissions (/contest/weekly-contest-289/problems/minimum-rounds-to-complete-all-tasks/submissions/) Back to Contest (/contest/weekly-contest-289/) You are given a O-indexed integer array tasks, where tasks[i] represents the difficulty level of a task. In each round, you User Accepted: 0 can complete either 2 or 3 tasks of the same difficulty level. User Tried: 0 Return the minimum rounds required to complete all the tasks, or -1 if it is not possible to complete all the tasks. Total Accepted: 0 Example 1: **Total Submissions:** 0 Difficulty: Medium

Input: tasks = [2,2,3,3,2,4,4,4,4,4]
Output: 4
Explanation: To complete all the tasks, a possible plan is:
- In the first round, you complete 3 tasks of difficulty level 2.
- In the second round, you complete 2 tasks of difficulty level 3.
- In the third round, you complete 3 tasks of difficulty level 4.
- In the fourth round, you complete 2 tasks of difficulty level 4.
It can be shown that all the tasks cannot be completed in fewer than 4 rounds, so the answer is

Example 2:

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Input: tasks = [2,3,3]
Output: -1
Explanation: There is only 1 task of difficulty level 2, but in each round, you can only complete either 2 or 3 tasks of the sa
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Constraints:

- 1 <= tasks.length <= 10^5
- 1 <= tasks[i] <= 10⁹

JavaScript 4 ${f c}$ 1 const counter = $(a_or_s) \Rightarrow \{ let m = new Map(); for (const x of a_or_s) m.set(x, m.get(x) + 1 || 1); return m; \};$ 2 3 const minimumRounds = (tasks) => { let m = counter(tasks), res = 0, a = Array.from(m.values()); 4 5 for(const x of a) { 6 let d = []; 7 if (x % 2 == 0) d.push(x /2);8 if (x % 3 == 0) d.push(x /3);let cur = x, cnt = 0; 9 while(cur % 3 != 0) { 10 ▼ 11 cur -= 2; 12 cnt++; 13 // pr("cur", cur, cnt) 14 if (cur < x && cur >= 0) d.push(cnt + cur / 3);15 16 if (d.length == 0) return -1; 17 let step = Math.min(...d); res += step; 18 19 } 20 return res; 21 }

□ Custom Testcase

Use Example Testcases



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