Problem 1481: Least Number of Unique Integers after K Removals

Problem Information

Difficulty: Medium
Acceptance Rate: 63.66%
Paid Only: No
Tags: Array, Hash Table, Greedy, Sorting, Counting

Problem Description

Given an array of integers `arr` and an integer `k`. Find the _least number of unique integers_ after removing **exactly** `k` elements**.**

Example 1:

Input: arr = [5,5,4], k = 1 **Output:** 1 **Explanation** : Remove the single 4, only 5 is left.

Example 2:

Input: arr = [4,3,1,1,3,3,2], k = 3 **Output:** 2 **Explanation** : Remove 4, 2 and either one of the two 1s or three 3s. 1 and 3 will be left.

Constraints:

* `1 <= arr.length <= 10^5` * `1 <= arr[i] <= 10^9` * `0 <= k <= arr.length`

Code Snippets

C++:

```
class Solution {
public:
int findLeastNumOfUniqueInts(vector<int>& arr, int k) {
```

```
}
};
```

Java:

```
class Solution {
public int findLeastNumOfUniqueInts(int[] arr, int k) {

}
}
```

Python3:

```
class Solution:
def findLeastNumOfUniqueInts(self, arr: List[int], k: int) -> int:
```