# 1481. Least Number of Unique Integers after K Removals

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.

```
def findLeastNumOfUniqueInts(self, arr: List[int], k: int) -> int:
        cnt = collections.Counter(arr)
        cnt = sorted(cnt.values())
        count = 0
        for key in cnt:
            if key<=k:
                k = k-key
                # cnt[key] = 0
                count = count+1
            if k==0:
                break

        # for key in cnt:
        #     if cnt[key]==0:
        #         count = count+1
        return len(cnt)-count
```