1636. Sort Array by Increasing Frequency

Given an array of integers `nums`, sort the array in **increasing** order based on the frequency of the values. If multiple values have the same frequency, sort them in **decreasing** order.

Return the *sorted array*.

Example 1:

Input: nums = [1,1,2,2,2,3]
Output: [3,1,1,2,2,2]
Explanation: '3' has a frequency of 1, '1' has a frequency of 2, and '2' has a frequency of 3.

Example 2:

Input: nums = [2,3,1,3,2]
Output: [1,3,3,2,2]
Explanation: '2' and '3' both have a frequency of 2, so they are sorted in decreasing order.

Example 3:

Input: nums = [-1,1,-6,4,5,-6,1,4,1]
Output: [5,-1,4,4,-6,-6,1,1,1]

```
def frequencySort(self, nums: List[int]) -> List[int]:
        cnt = collections.Counter(nums)
        cnt = sorted(cnt.items(),key=lambda x:(x[1],-x[0]))
        res = []
        for num,freq in cnt:
            res = res+[num]*freq
        return res
```