Top & frequent clement - bucket sort class Solution! def top_K_forg_elemn(self, nums: list[int], K:int) > list[int]; count = 29

freg = [[] for i in sange (len (nums) +1)] for rum in rums: count [num] = 1+ count.get(num, o)

for num, cut in count.items():

freq [cnt].append(num) result = LJ for num in freg [i]:

result. append (num) if (en(result) == L: return result

print Solution() top K, frg clem (nums= (1,1,1,2,3,3], K=2))

	Step 1:
	Self-7 solution instance
	self-7 solution instance Jums-7 [1,1,1,2,3,3]
	(' k - 7 2)
$\left(\right)$	count -> eg-empty diet
	Step 2: freg = [[] for i in lange (len(nums) +1)]
	i -> inoreases by I for each Heration
	Step 2: freg = [[] for in lange (len(nums) +1)] i -> increases by 1 for each Herotion freg -> [[],[],[],[],[],[],[]
1	
	Step 3: for num in nums:
	Step 3: for num in nums: count (num] = 17 count. get (num, 0)
	rums -
	rum throug each iteration becomes 1, then 1, then 1, thon 2 count -> 21:3,2:1, 3:23
	$count \rightarrow 21:3,2:1,3:23$
	count will barrically increase for each repetitive number, the value.
	Step 4: for num, out in count. Hems():
	leg [cnt] append (num)
	Step 4: for num, cnt in count. items(): keg[cnt].append (num) we got our empty list of lists: freg = [[], [], [], [], [], []
	freg = LEJ, LJ, EJ, EJ, EJ, EJ,

1st iteration: num -7 1 (-> frag [3] add (1)
cnt -7 3 2nd it was toon: num -> 2 / freg [1] odd (2) 31d iteration: num -> 3 / freg [2] add (3) result -> [] - Emply list Step 5: Step 6: for i in sange (len (freg)-1,0,-1):

i -7 6 because now we iterate in decrasing oxay:

len (freg)-1 is 7-1=76 \$0

ronge (fren (7)-1, to 0, in decrasing order (-1)):

ct index 6 we got nothing in our list,

so this will iterate untill i becomes 3

i -> 3

once i is 3, then num becomes 1 but len of result it is still not equal to 2.

So ve itorate again

1-72, num becomes 3

we add thirto own result using for num in fag [i]:

result -> [1,3]