max = 1
len = 1

why we need the max because he have situations where like 1234561234.
is this situation we have two increasing 123456 and 1234. Without max the increase will be 4 but we need the max increase that's way we need the max

if not nums

then we check that array is contain numbers or not if not we return 0

loop

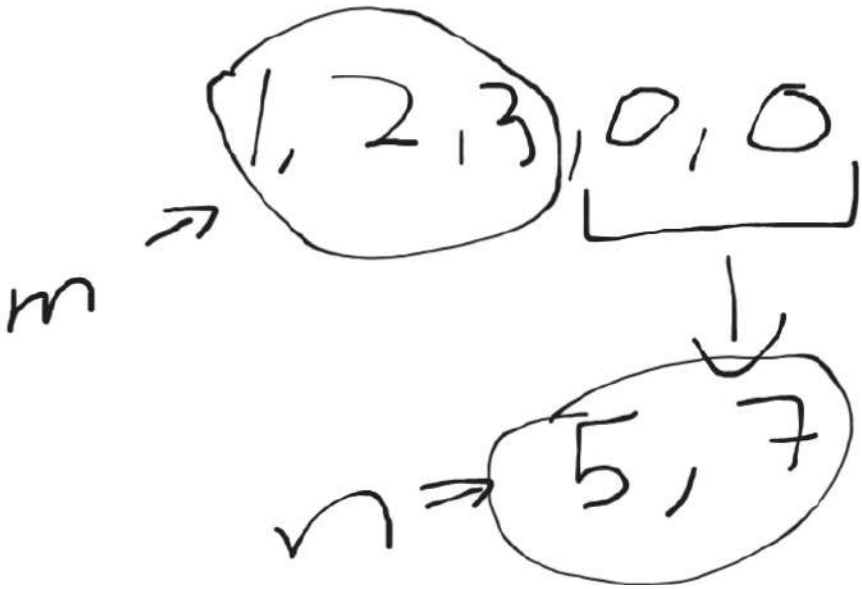
then with for loop we check that first element of array is less than second element. if that true we add 1 to length and update the max if it's needed. if greater than next element we just assign the length to 1. In the end we return the max

nums1[m:] = nums2[:n] in this line of code we copy all elements of nums2 starting at index m in nums1.

and then we just sort them

nums1 = [1,2,3,0,0] m = 3

nums2 = [5,7] n = 2



set(nums1) & set(nums2)

finds the intersection of the nums1 and nums2. This gives the elements that appear in both arrays.

list()
Converts the resulting to a list and return it.