Problem 88 : Merge Sorted Array

<https://leetcode.com/problems/merge-sorted-array/>

class Solution:

def merge(self, nums1: List[int], m: int, nums2: List[int], n: int) -> None:

"""

Do not return anything, modify nums1 in-place instead.

"""

k = len(nums1)

n = len(nums2)

m = k - n

while n > 0 and m > 0:

if nums2[n - 1] >= nums1[m - 1]:

nums1[k - 1] = nums2[n - 1]

n -= 1

else:

nums1[k - 1] = nums1[m - 1]

m -=1

k -= 1

if n > 0: # There are elements left over in nums2

nums1[ : n ] = nums2[ : n ]

return(nums1)