

num1 num2 = Arrays (int)
non-dec = 1, 2, 3, 4 etc
m+n

num1 = [1, 2, 3, 0, 0, 0]
m n

num2 = [2, 5, 6]

=> 1, 2, 2, 3, 5, 6

if divide & conquer? $O(m+n)(\log m+n)$ my approach

suggested => 2 Pointer

↓
num1 = 1, 2, 3, 0, 0, 0

↓
num2 = 2, 5, 6 (1) => 1, 2, 3, 0, 0, 6

↓
num1 = 1, 2, 3, 0, 0, 6
num2 2, 5, 6 (2) = 1, 2, 3, 0, 5, 6

↓
num1 = 1, 2, 3, 0, 5, 6
num2 = 2, 5, 6 (3) = 1, 2, 3, 3, 5, 6

num1 = 1, 2, 3, 3, 5, 6
num2 = 2, 5, 6 (4) = 1, 2, 2, 3, 5, 6
⇒ 1, 2, 2, 3, 5, 6

2 Pointer Approach

-) Arrays 2 (sorted)
-) start both at end & compare
-) If one smaller / greater do according to question
 - ↳ pointer -- for smaller / greater
-) copy leftover elements