

$\text{nums}_1 = [1, 2, 3]$   
 $m = 3$

$\text{nums}_2 = []$   
 $n = 0$

$\text{out} = [1, 2, 3]$

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$\text{nums}_1 = [0]$   
 $m = 0$

$\text{nums}_2 = [1]$   
 $n = 1$

$\text{out} = [1]$

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$\text{nums}_1 = [1, 2, 3, 0, 0, 0]$   
 $m = 3$

$\text{nums}_2 = [2, 5, 6]$   
 $n = 3$

$\text{out} = [1, 2, 2, 3, 5, 6]$

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$\text{nums}_1 = [5, 6, 7, 0, 0, 0]$   
 $m = 3$

$\text{nums}_2 = [1, 2, 3]$   
 $n = 3$

$\text{out} = [1, 2, 3, 5, 6, 7]$

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$\text{nums}_1 = [1, 2, 3, 0, 0, 0]$   
 $m = 3$

$\text{nums}_2 = [4, 5, 6]$   
 $n = 3$

$\text{out} = [1, 2, 3, 4, 5, 6]$