

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

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

$\text{out} = []$

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

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

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

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$\text{nums}_1 = [1, 2, 3, 4]$

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

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

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

$\text{nums}_2 = [2, 2, 4]$

$\text{out} = [2]$

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$\text{nums}_1 = []$

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

$\text{out} = []$

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$\text{nums}_1 = [4, 9, 5]$

$\text{nums}_2 = [9, 4, 9, 8, 4]$

$\text{out} = [4, 9]$