

nums1 = [1,2,2,1]    nums2 = [2,2]

converting list to set

checks 1 in set{}?  
no:set is{1}  
checks 2 in set{1}?  
no:set is{1,2}  
checks 2 in set{1,2}?  
yes:ignore  
checks 1 in set{1,2}?  
yes:ignore

**set1** {1,2}

checks 2 in set{}?  
no:set is{2}  
checks 2 in set{2}?  
yes:ignore

**set2** {2}

we have 2 in **set1**?  
yes, then add

we have 1 in **set2**?  
no, then ignore

we have 2 in **set2**?  
yes, then add

**{2} answer**