

nums1					
0	1	2	3	4	5
1	2	3	3	5	6
	↑	↑			
	i	k			

nums2		
0	1	2
2	5	6
	↑	
	j	

$$2 == 2 \therefore \text{nums1}[k] = 2$$

nums1					
0	1	2	3	4	5
1	2	2	3	5	6