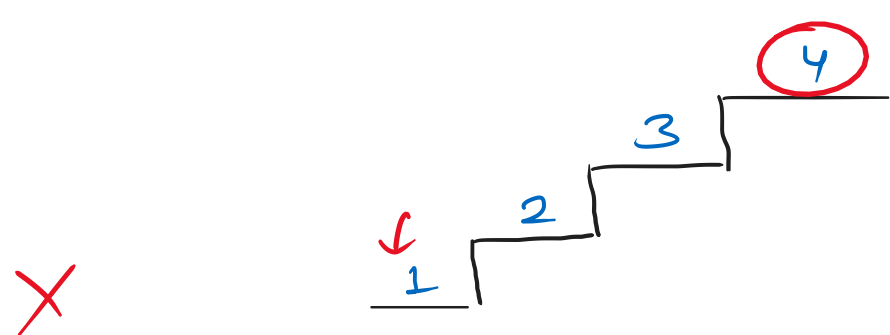


for (Count[arr[i]]++)  
3



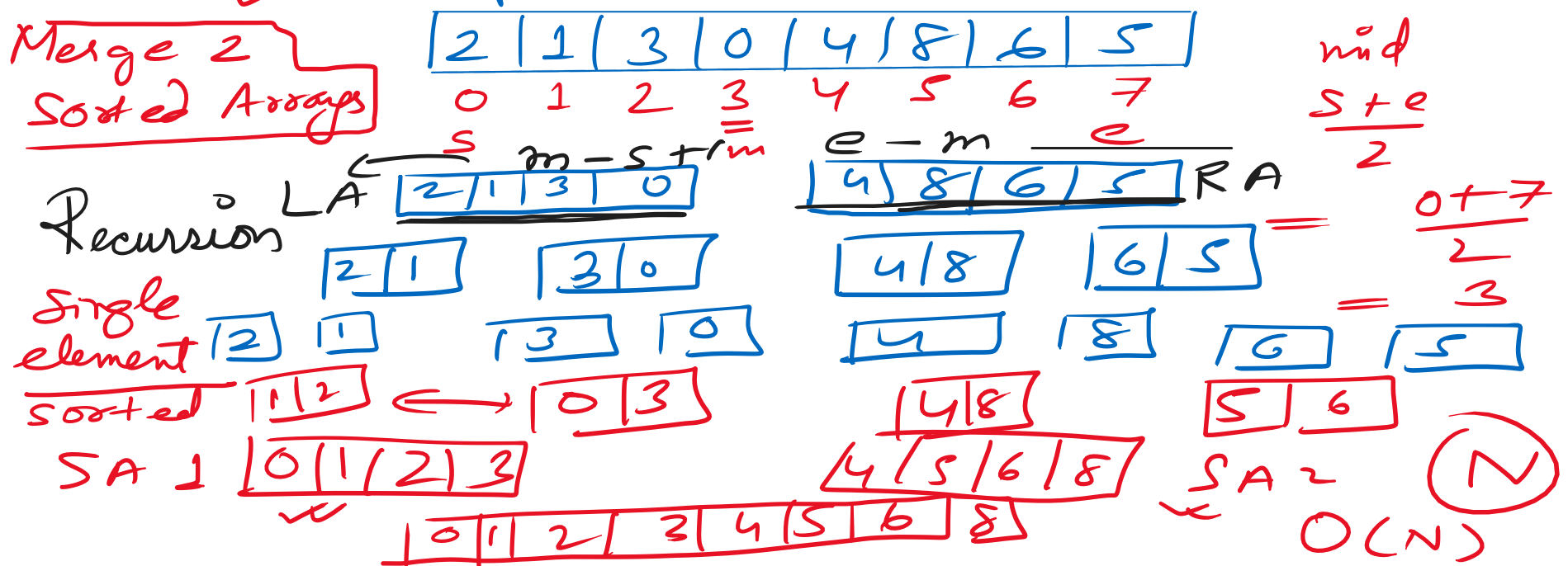
{1} → 1, 1, 1, 1  
→ 1, 1, 2  
→ 1, 2, 1  
→ 2, 1, 1

Delete:  
1, 1, 1, 1  
2

2, 2 5 ways

2 previous values 1, 2  
CountSteps(n) = CountSteps(n-1) + CountSteps(n-2)

\* Divide & Conquer Algorithm  
N x log N Merge Sort Algorithm



Recursion says: "Give me one solution, I will give you the rest!"

\* Merge 2 Sorted Arrays:

Two pointer Approach

i a → 1, 3, 5, 7, 9

j b → 2, 4, 6

a[i] < b[j] i++ | a[i] > b[j] out of array

