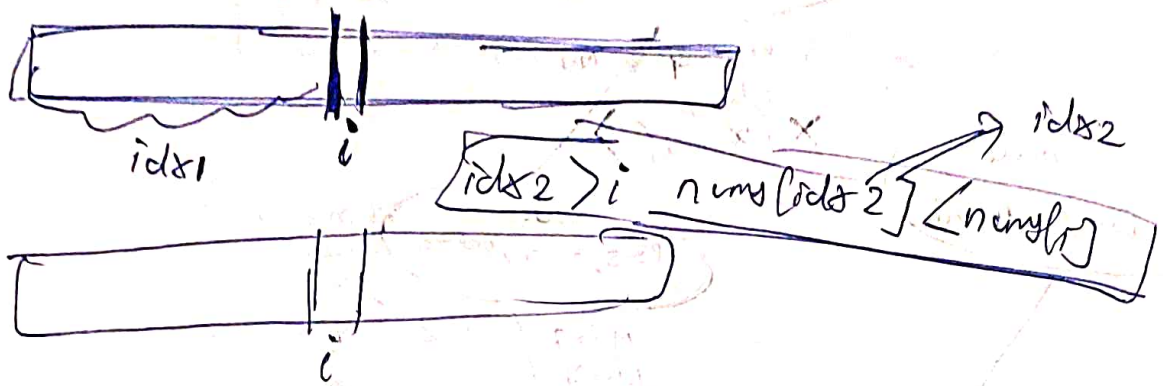
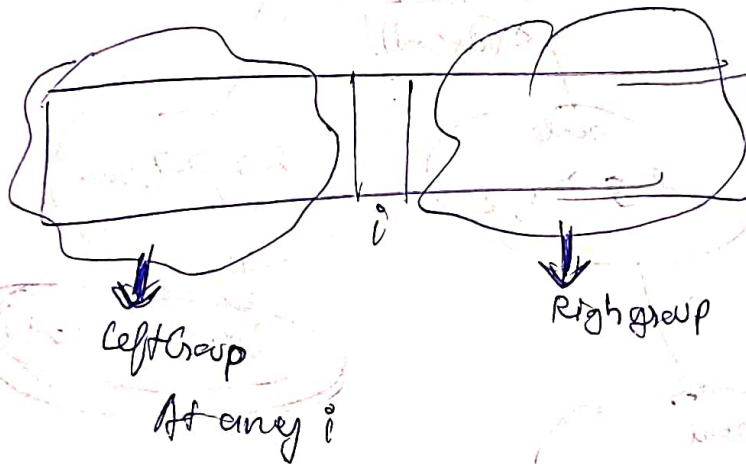


$$(idx_1 < i) \quad \boxed{nums[idx_1] < nums[i]} \rightarrow idx_1$$



For any index i

For $idx_1 \rightarrow$ Left Group
 For $idx_2 \rightarrow$ Right Group



For Right Group we can have a segment tree which will have the elements from $[i+1 \rightarrow N-1]$

For Left Group we can have elements from $[0 \rightarrow i-1]$

In Right group query $(1, nums[i]-1)$

In Left group query $(1, nums[i]-1)$

to get how many elements are smaller than $nums[i]$

If both $\geq k$ then valid