

i										
20	14	28	29	15	27	12	30	21	25	13

$$A[i] \geq x$$

j										
	i									
20	14	28	29	15	27	12	30	21	25	13

$$A[i] < x: \quad j \leftarrow j+1, A[i] \leftrightarrow A[j]$$

j										
		i								
20	14	28	29	15	27	12	30	21	25	13

$$A[i] \geq x$$

			i							
20	14	28	29	15	27	12	30	21	25	13

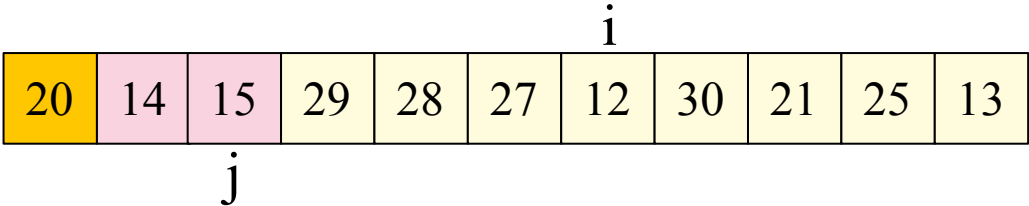
$$A[i] \geq x$$

				i						
20	14	28	29	15	27	12	30	21	25	13

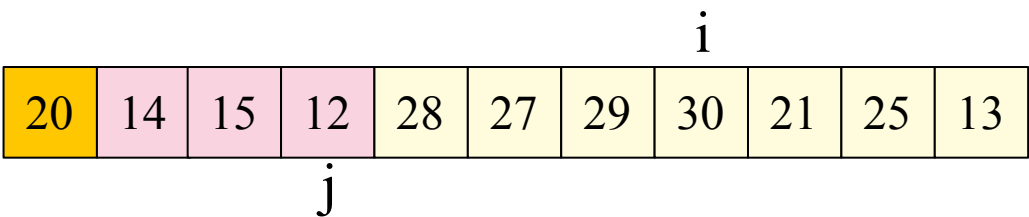
$$A[i] < x: \quad j \leftarrow j+1, A[i] \leftrightarrow A[j]$$

					i					
20	14	15	29	28	27	12	30	21	25	13
		j								

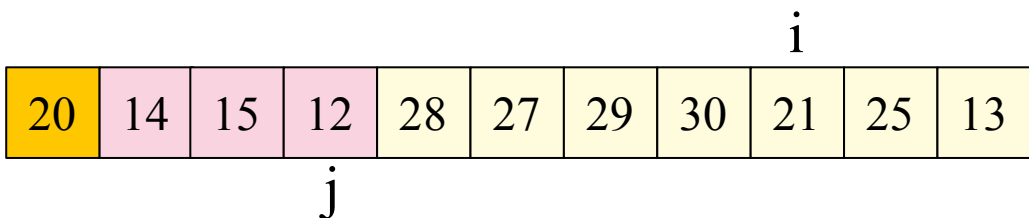
$$A[i] \geq x$$



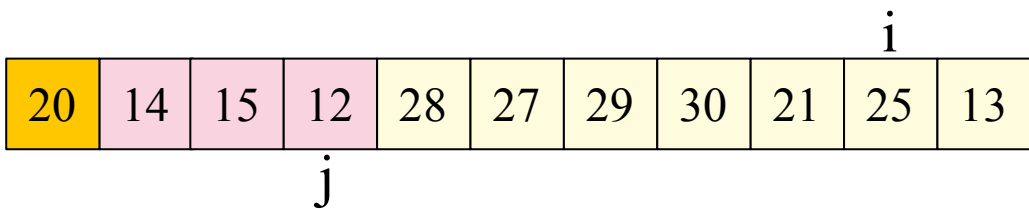
$$A[i] < x: \quad j \leftarrow j+1, A[i] \leftrightarrow A[j]$$



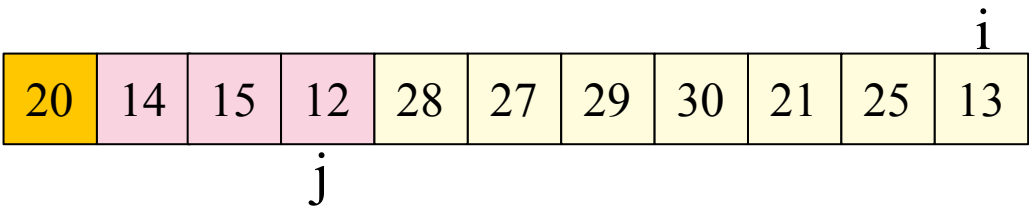
$$A[i] \geq x$$



$$A[i] \geq x$$



$$A[i] \geq x$$



$$A[i] < x: \quad j \leftarrow j+1, A[i] \leftrightarrow A[j]$$

$$A[lo] \leftarrow A[j]; A[j] \leftarrow x$$

