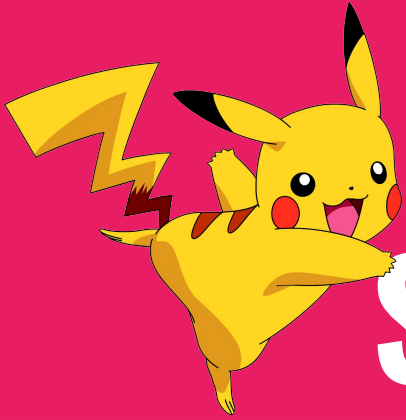




**FACULTAD  
DE INGENIERIA**

Universidad de Buenos Aires



# **SORTS: Merge sort**

## **Algoritmos y programación II (75.41 & 95.15)**

**Curso Mariano Méndez**

1er cuatrimestre 2021  
Valentina Laura Correa

<b>2</b>	<b>124</b>	<b>23</b>	<b>5</b>	<b>89</b>	<b>-1</b>	<b>44</b>	<b>643</b>	<b>34</b>
0	1	2	3	4	5	6	7	8



Buscamos ordenar el vector de menor a mayor

<b>2</b>	<b>124</b>	<b>23</b>	<b>5</b>	<b>89</b>	<b>-1</b>	<b>44</b>	<b>643</b>	<b>34</b>
0	1	2	3	4	5	6	7	8



Buscamos ordenar el vector de **menor a mayor**



Pasos:



Divido a la mitad



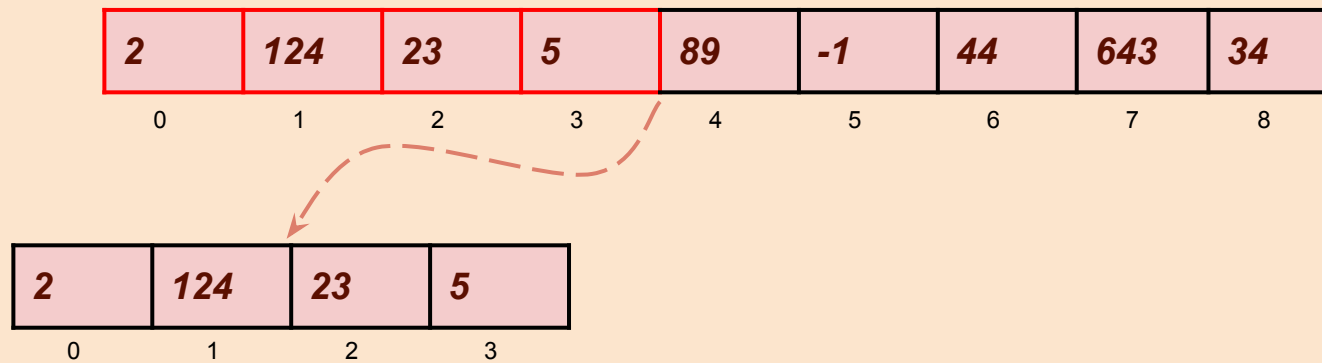
Me llamo con la mitad izquierda

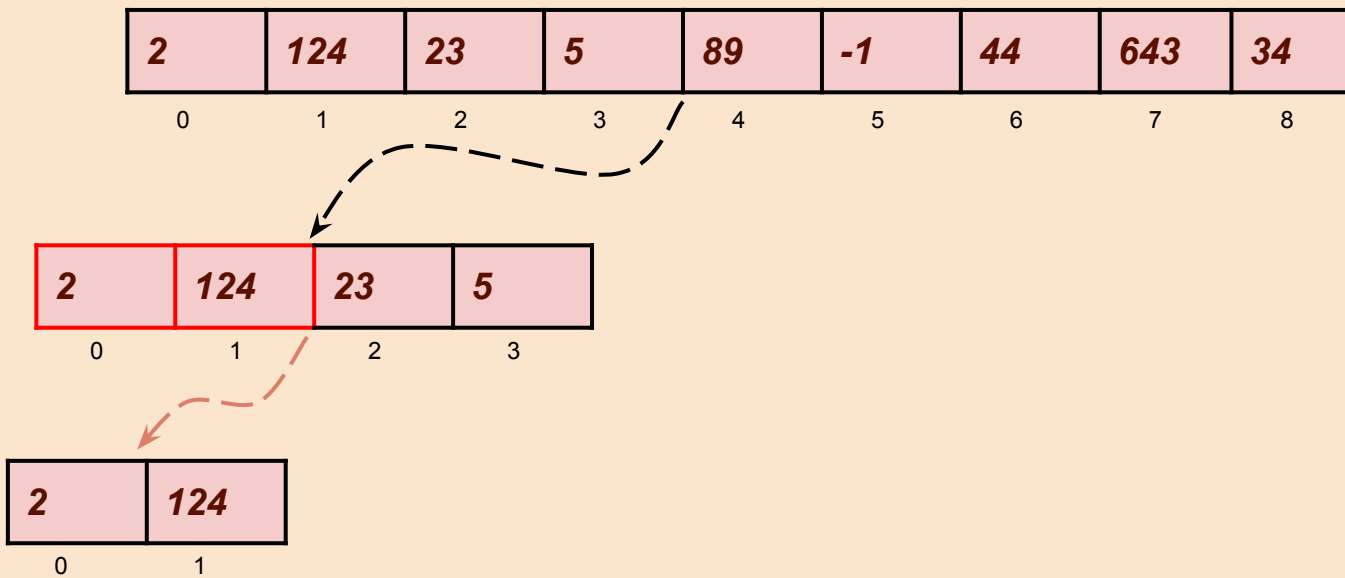


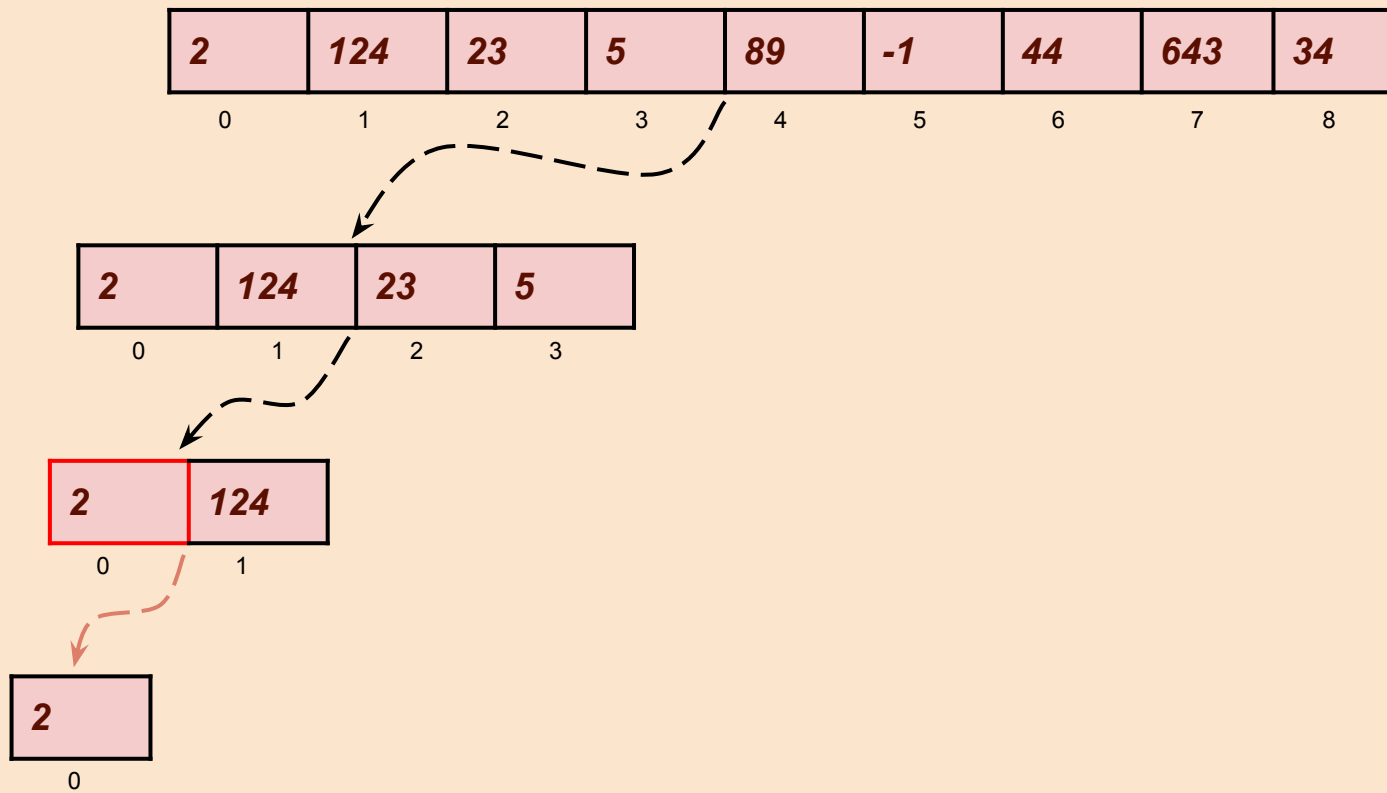
Me llamo con la mitad derecha

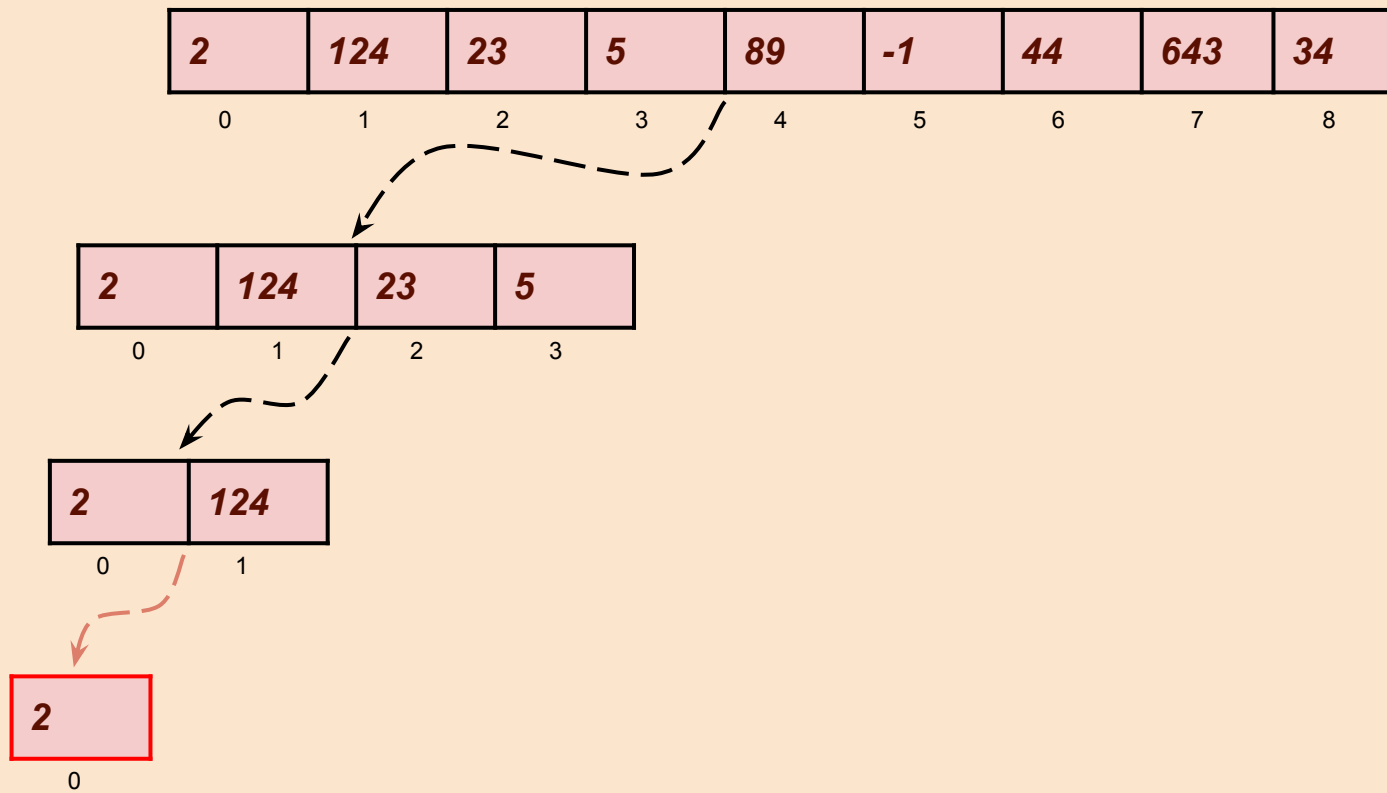


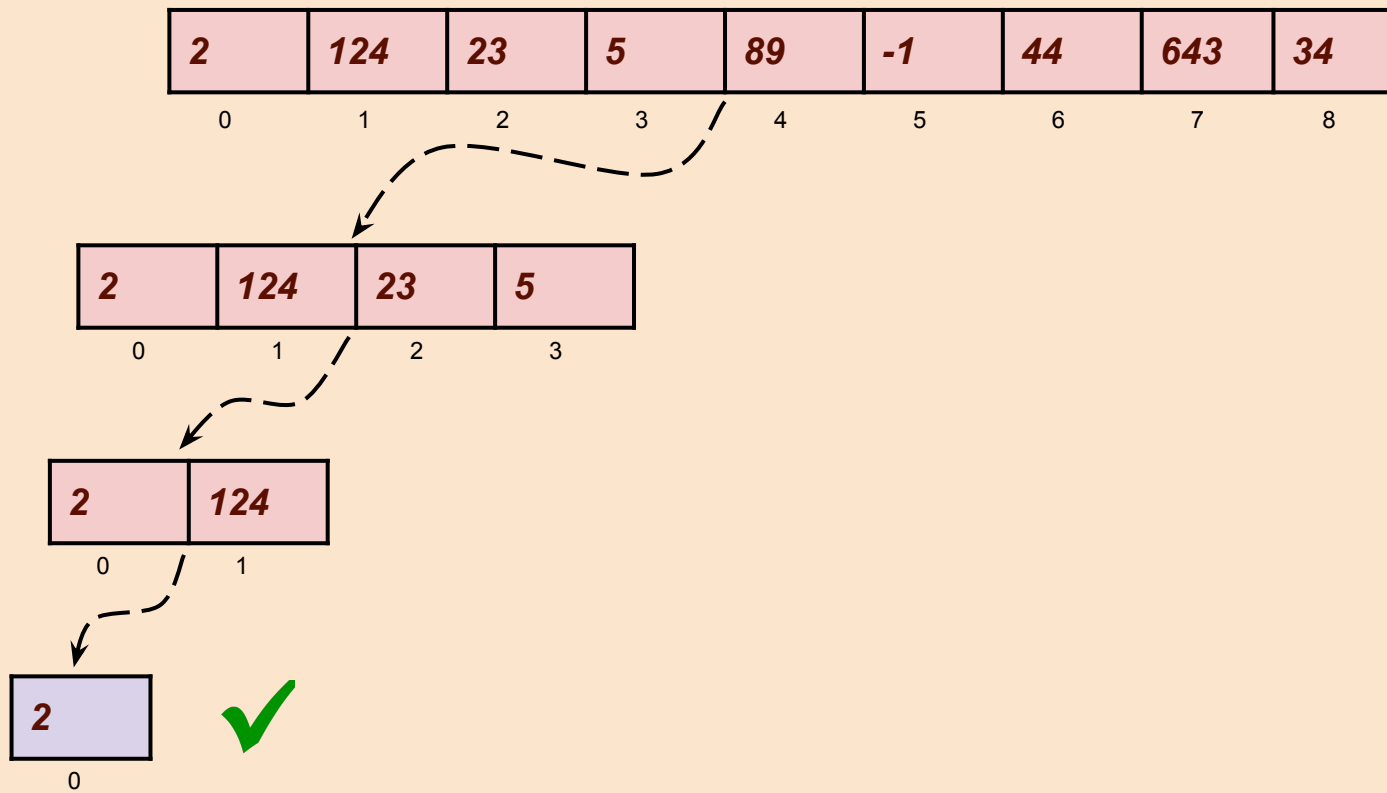
Merge



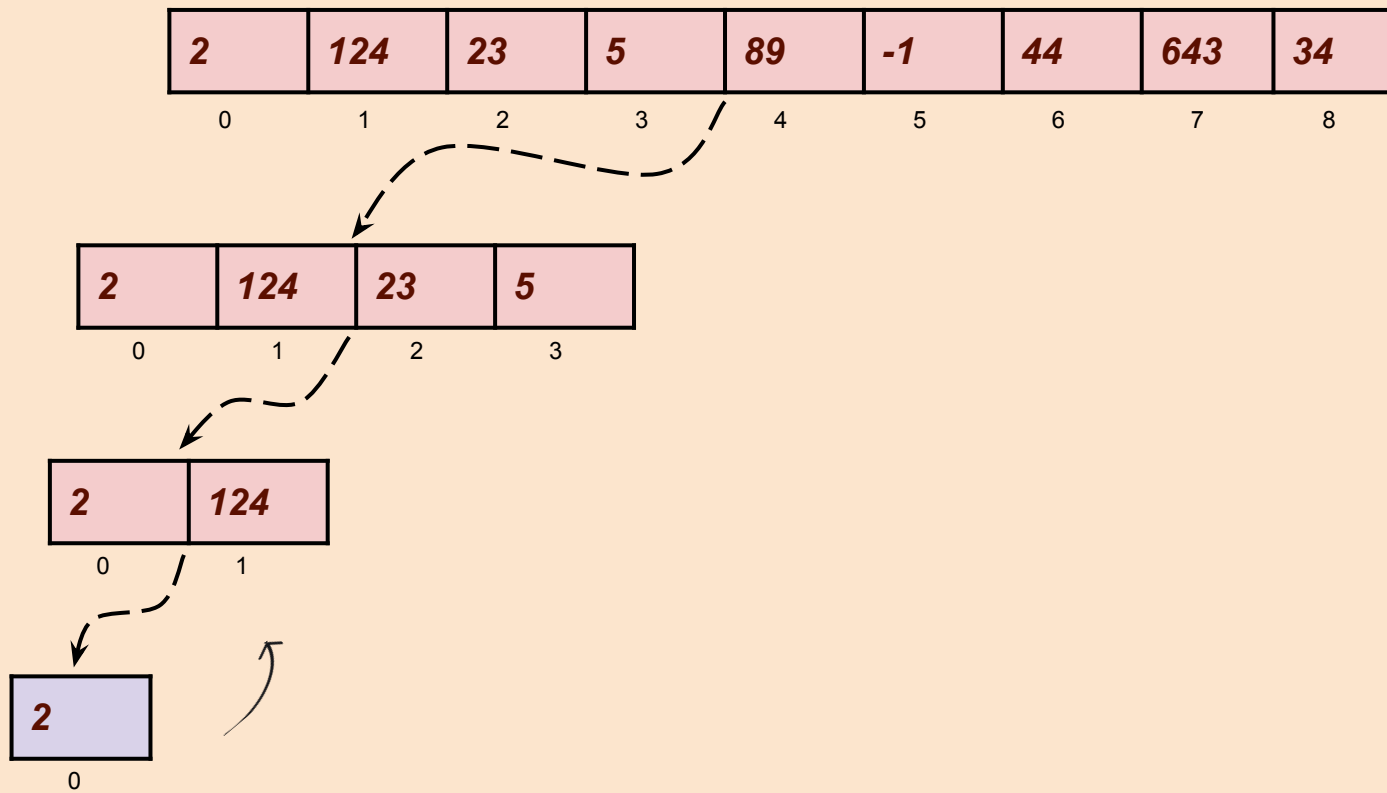


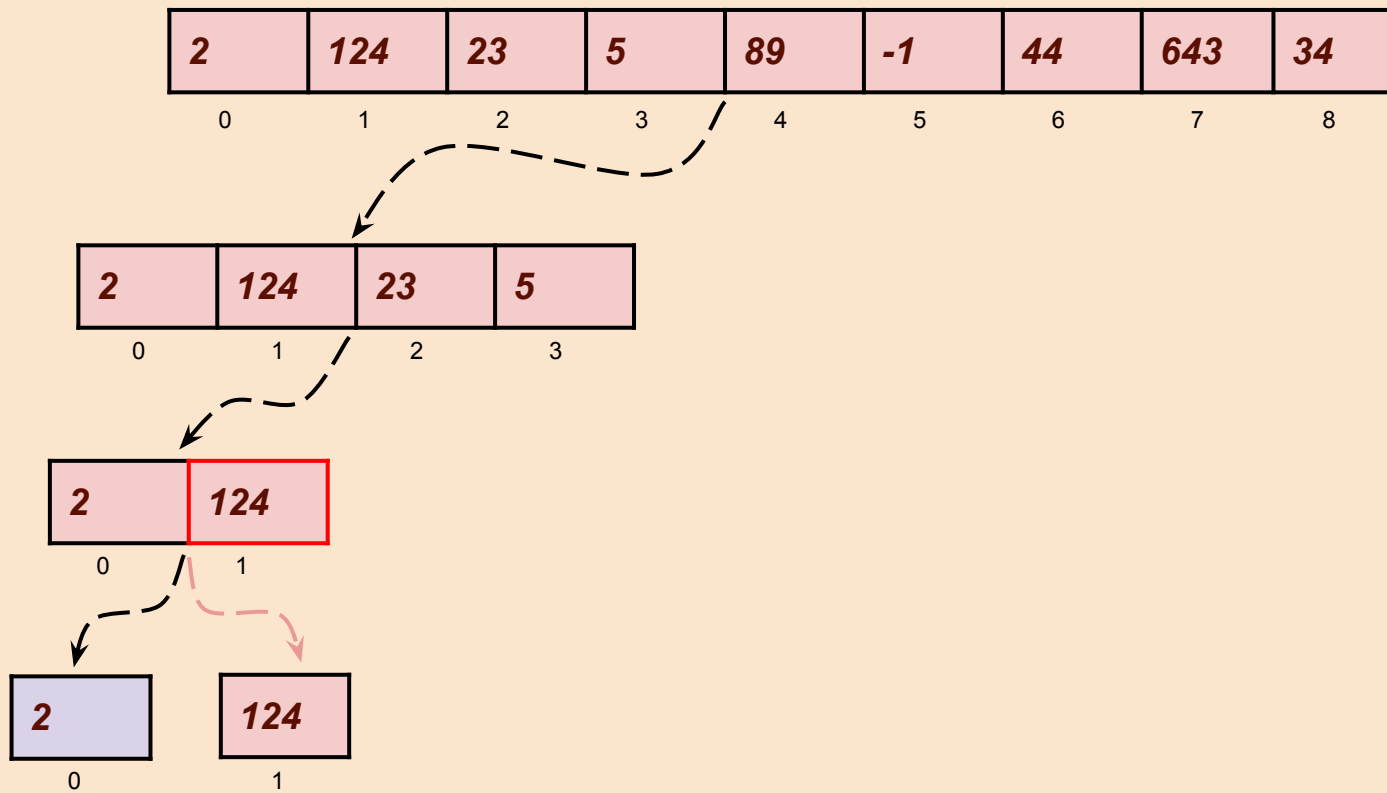


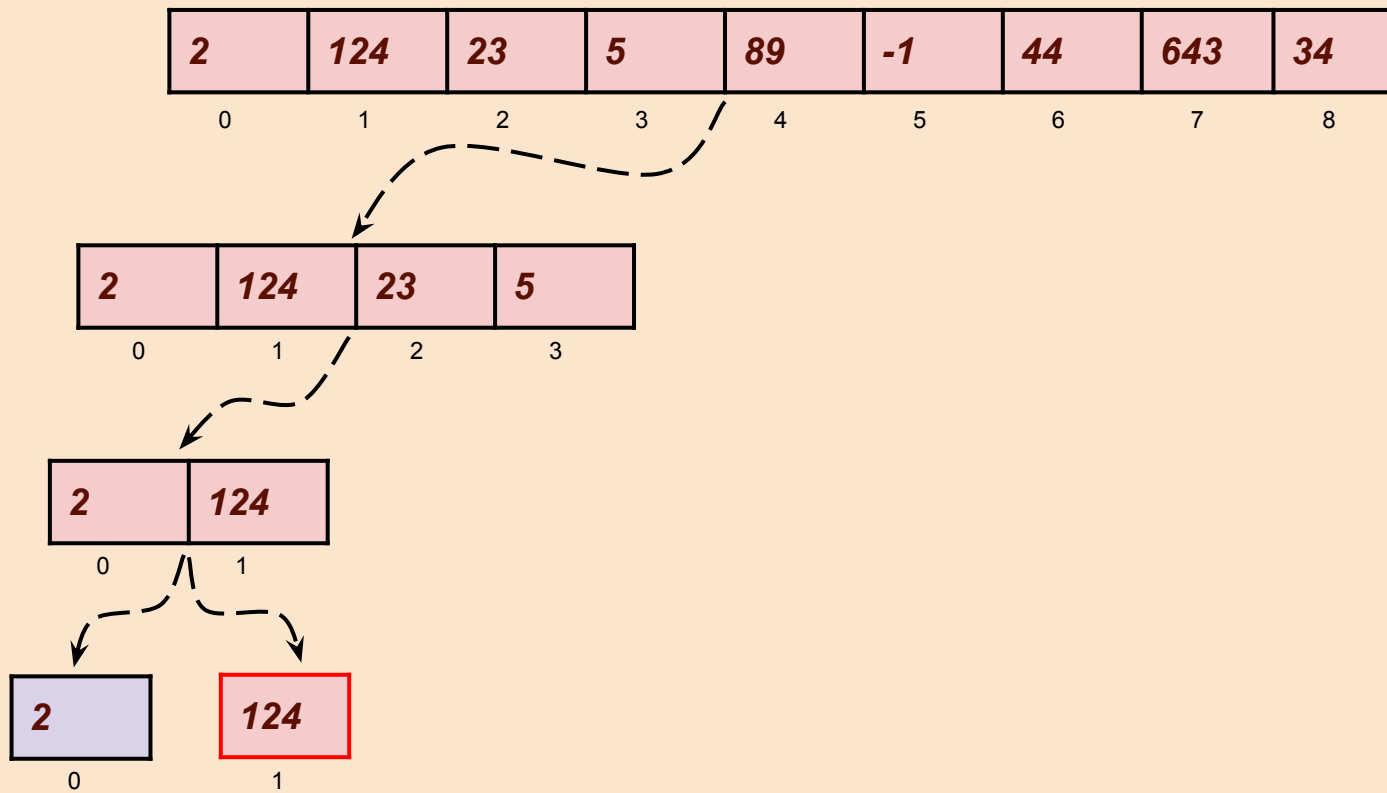


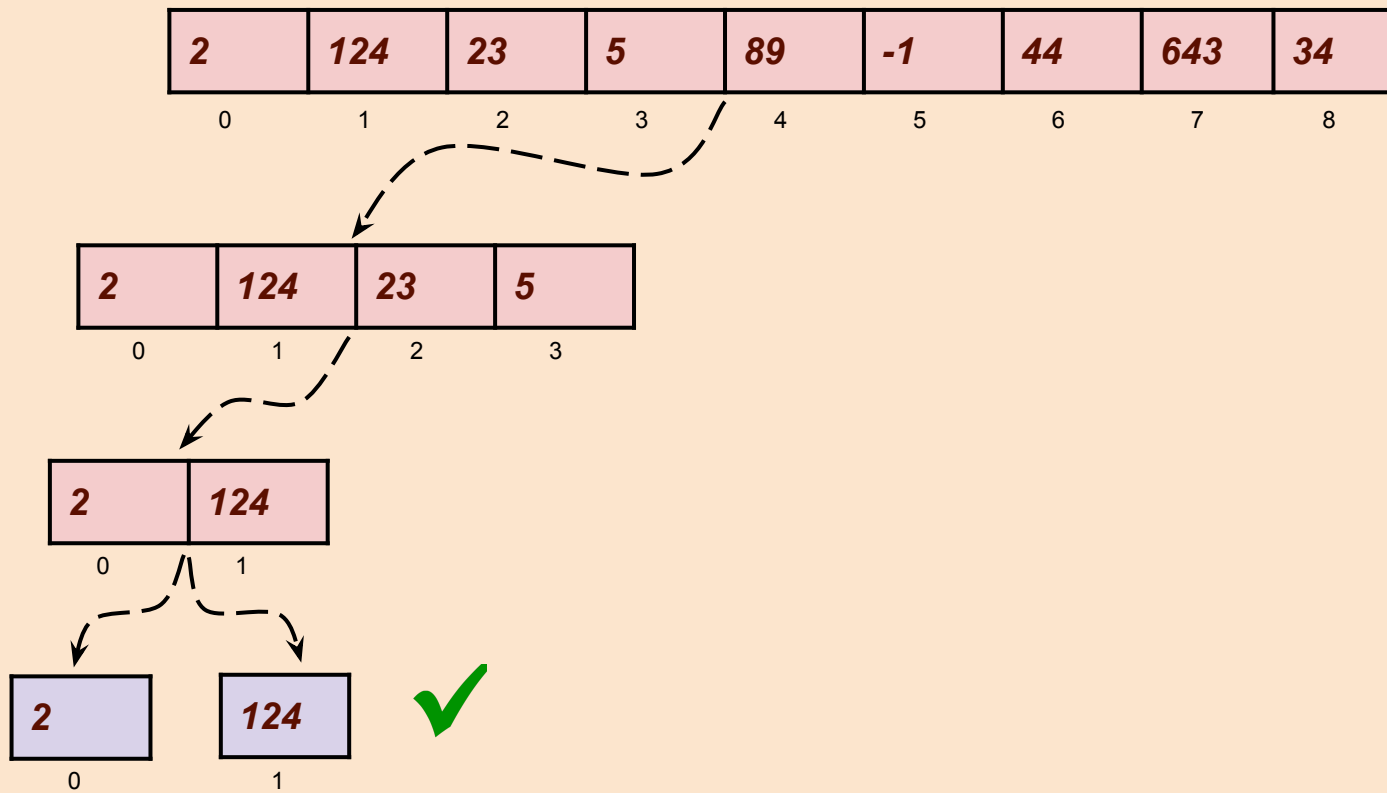


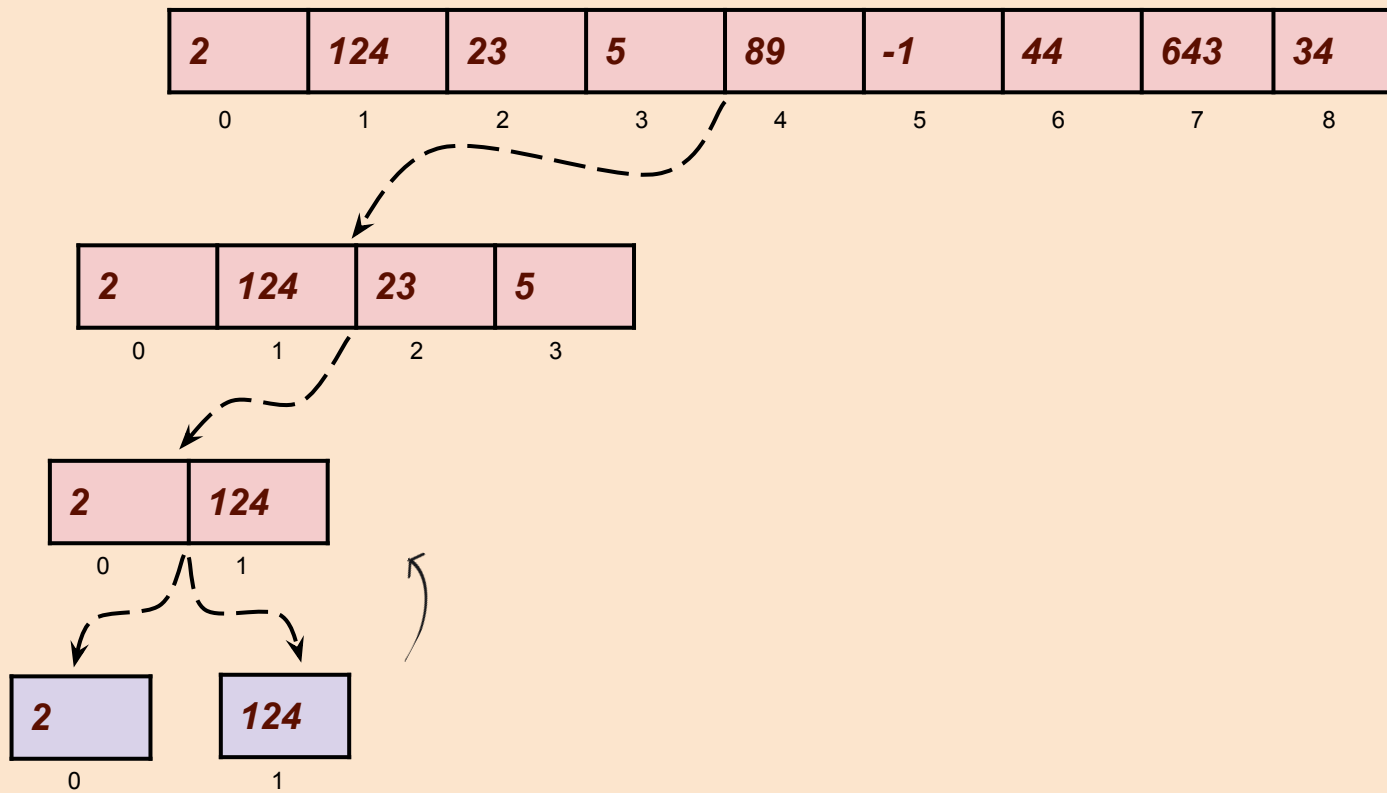


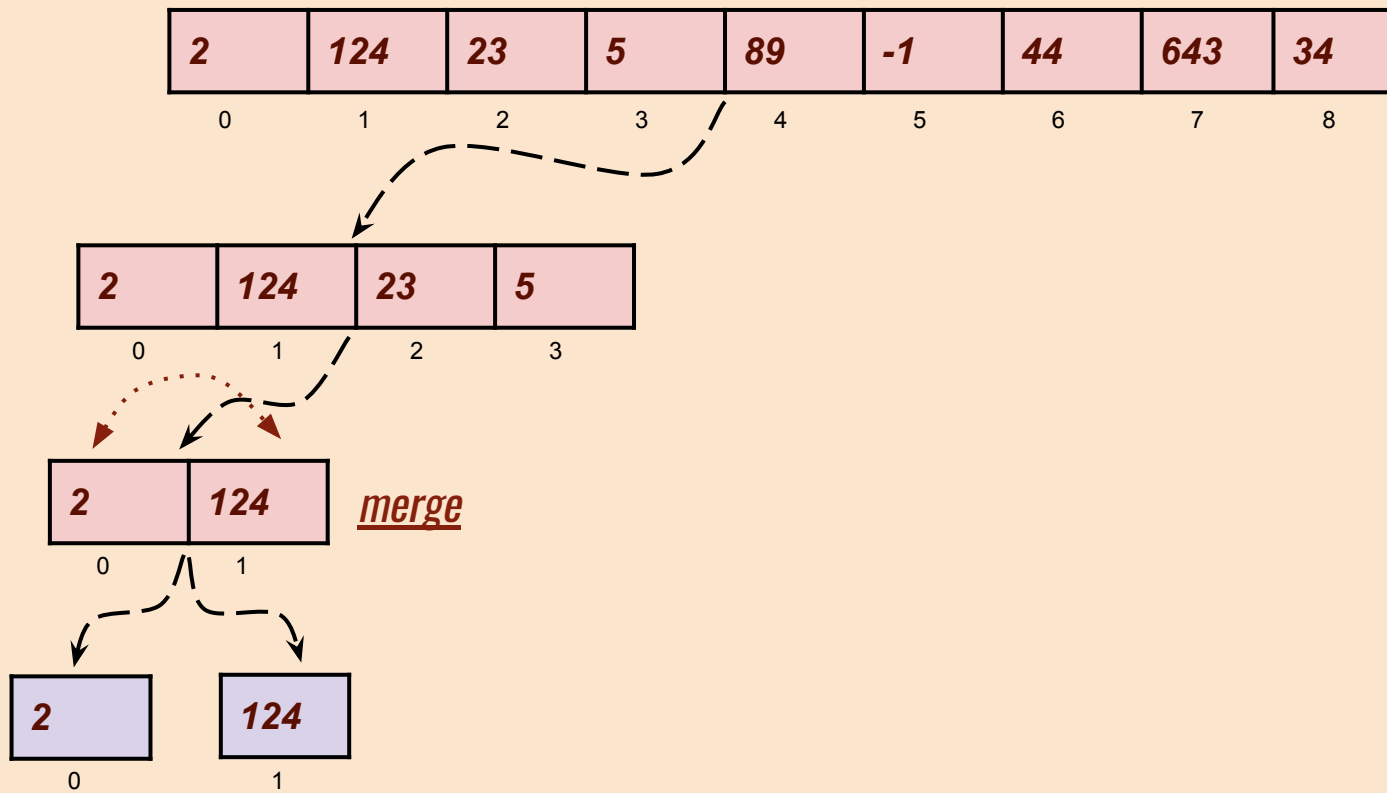


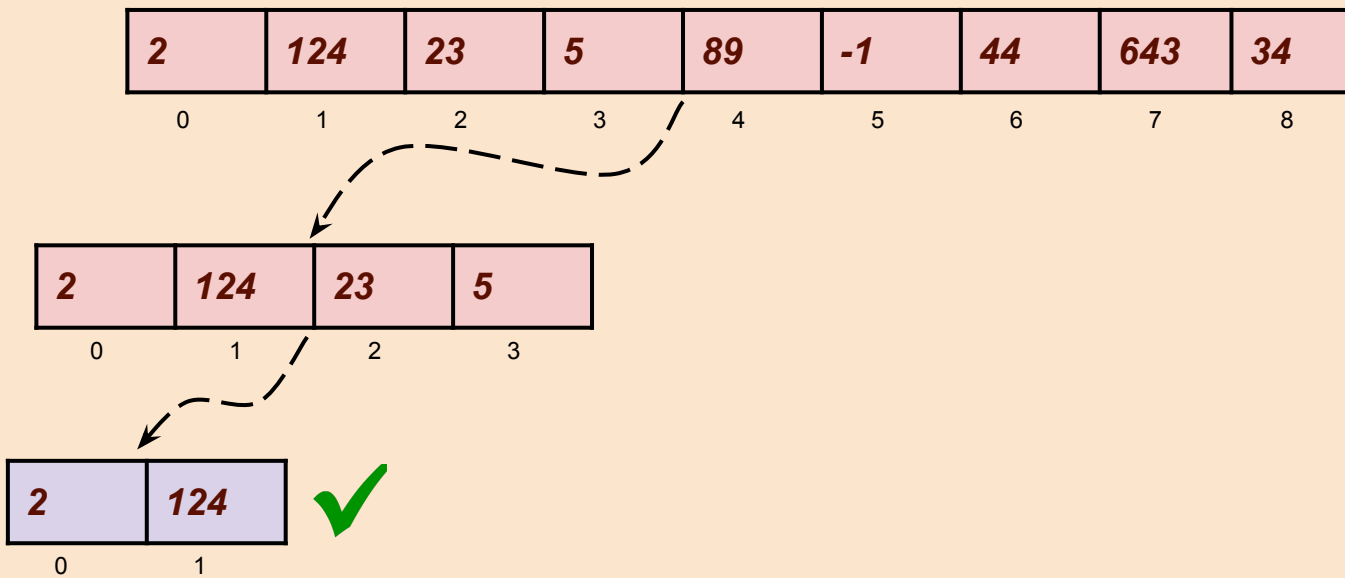


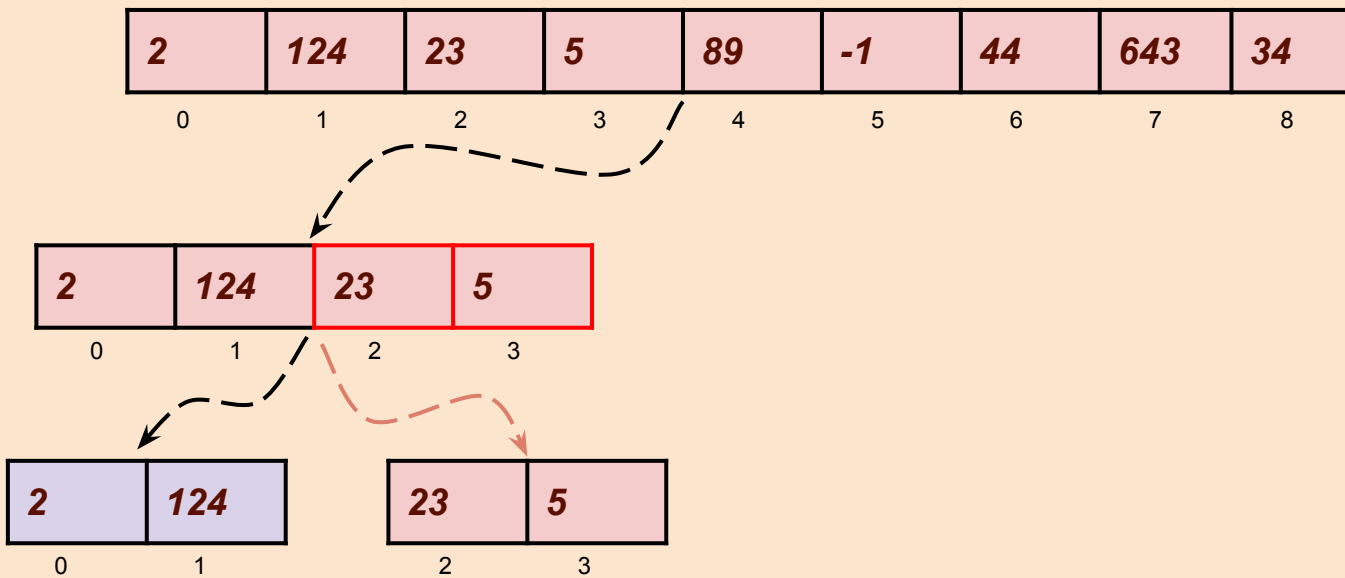




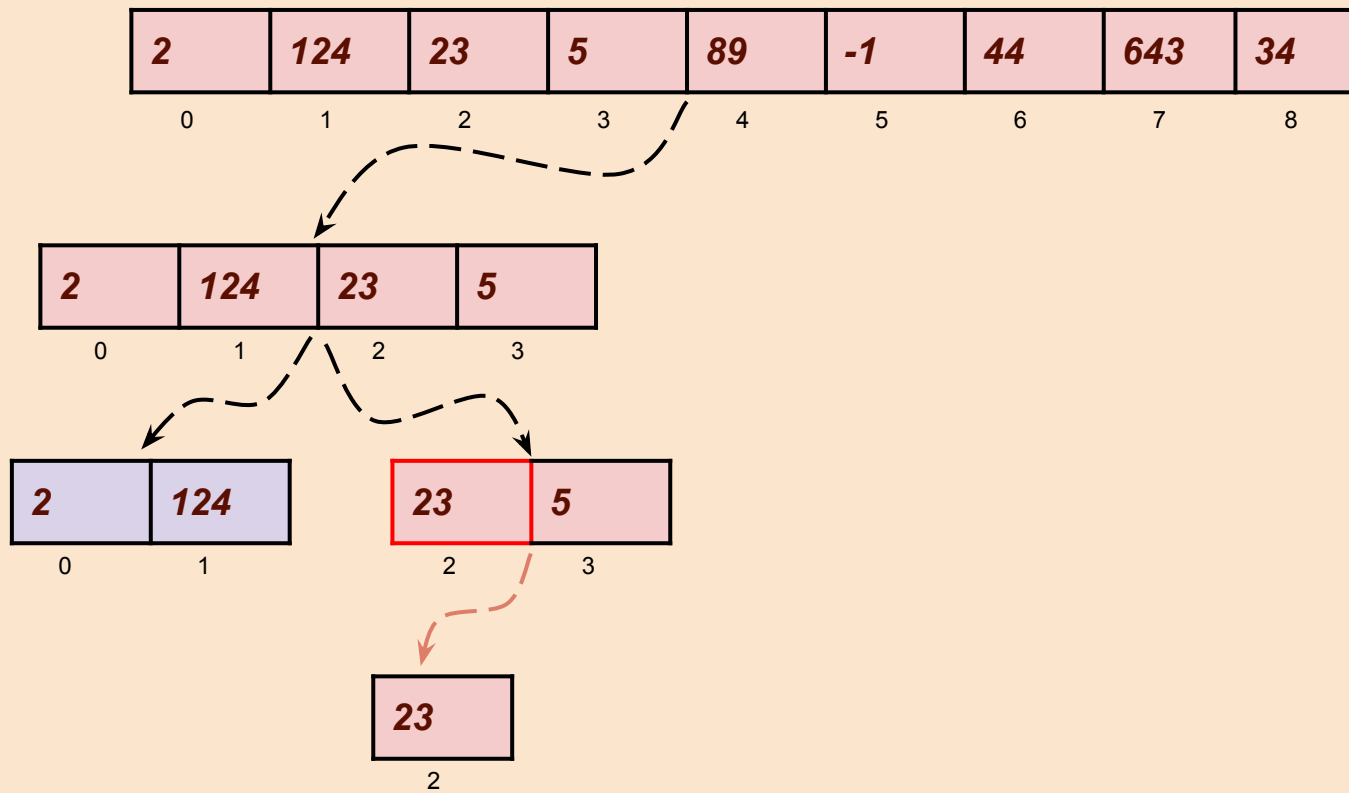


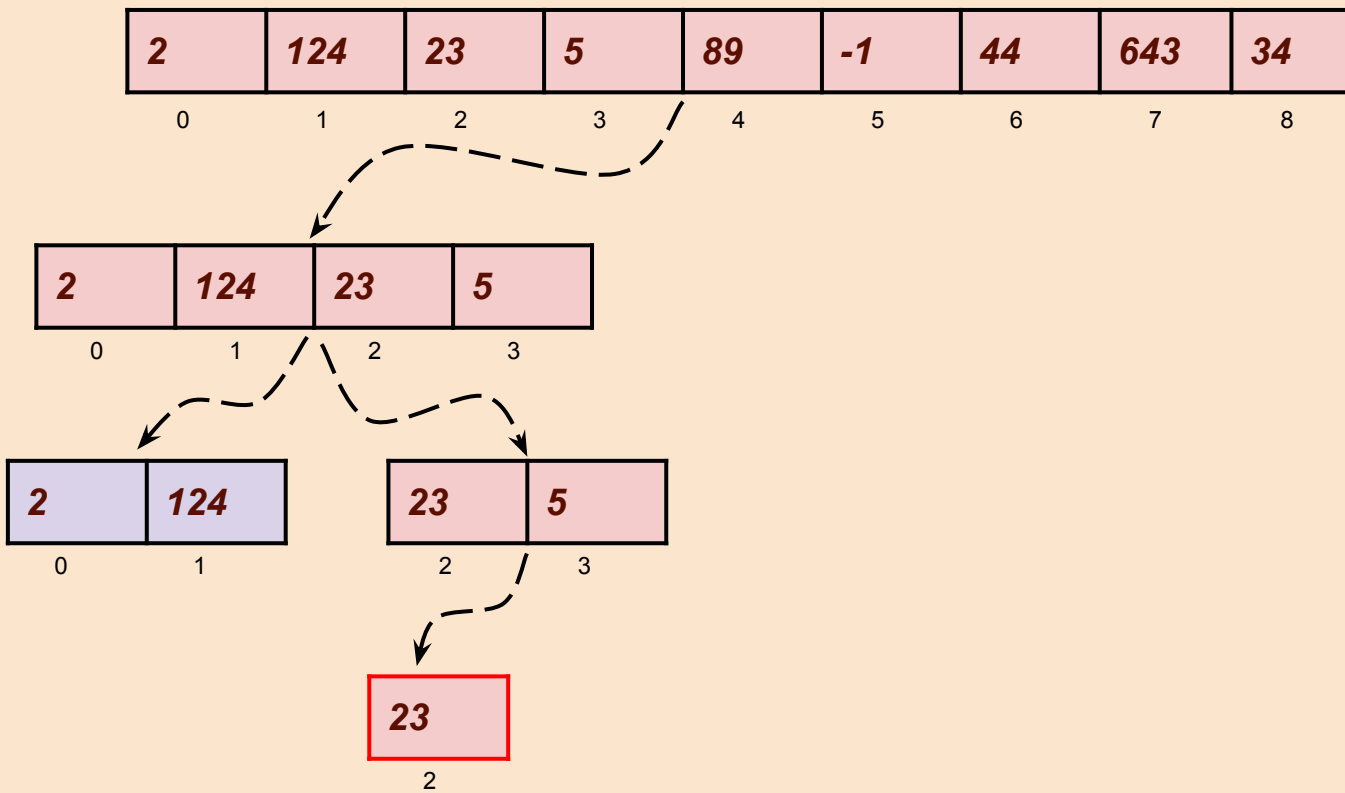


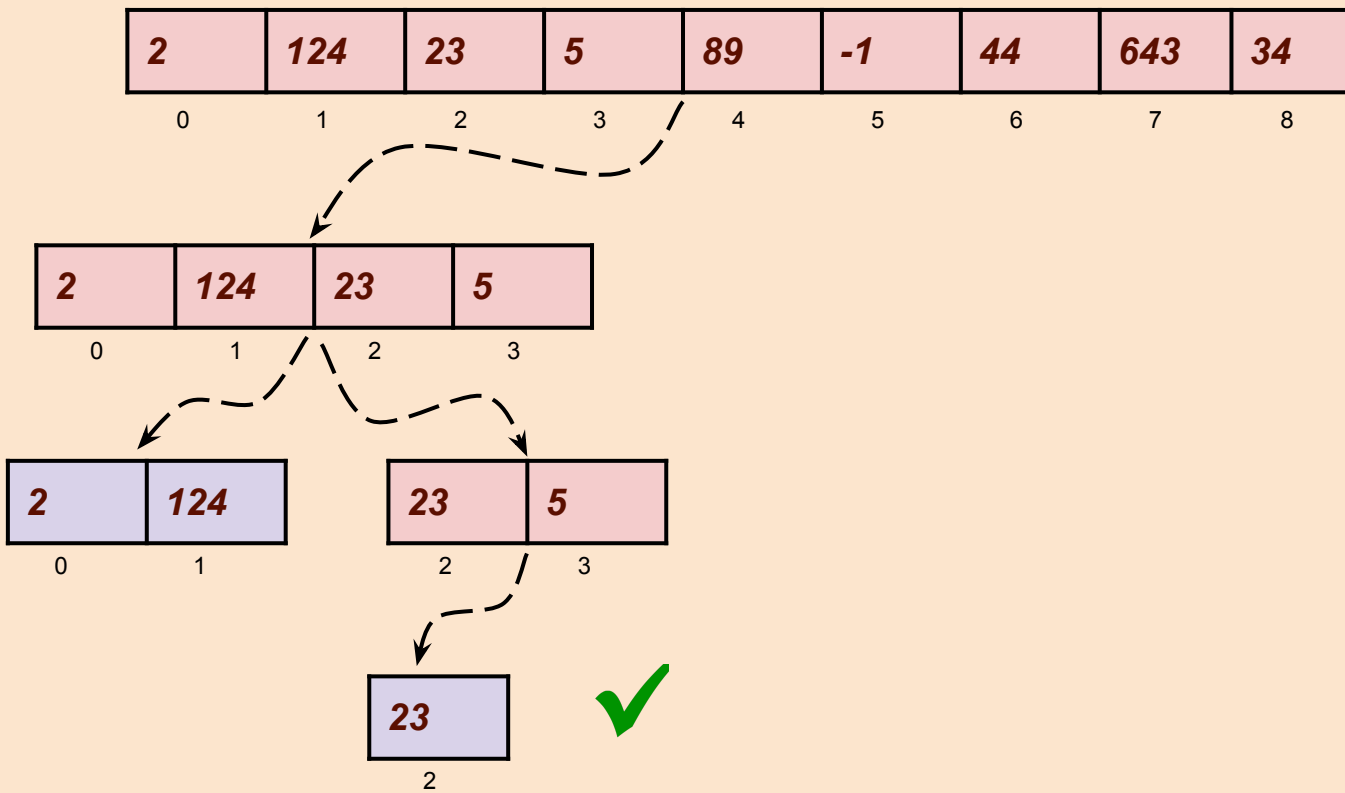


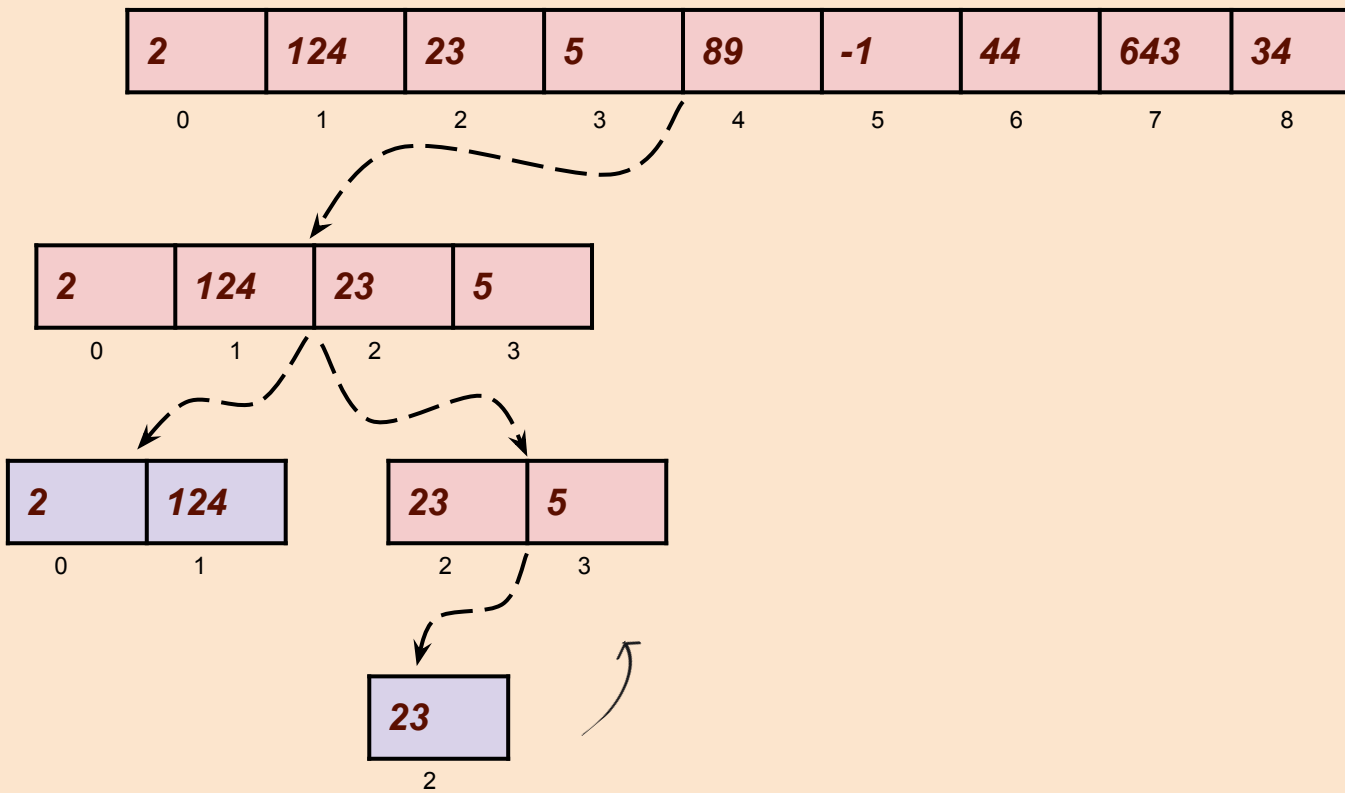


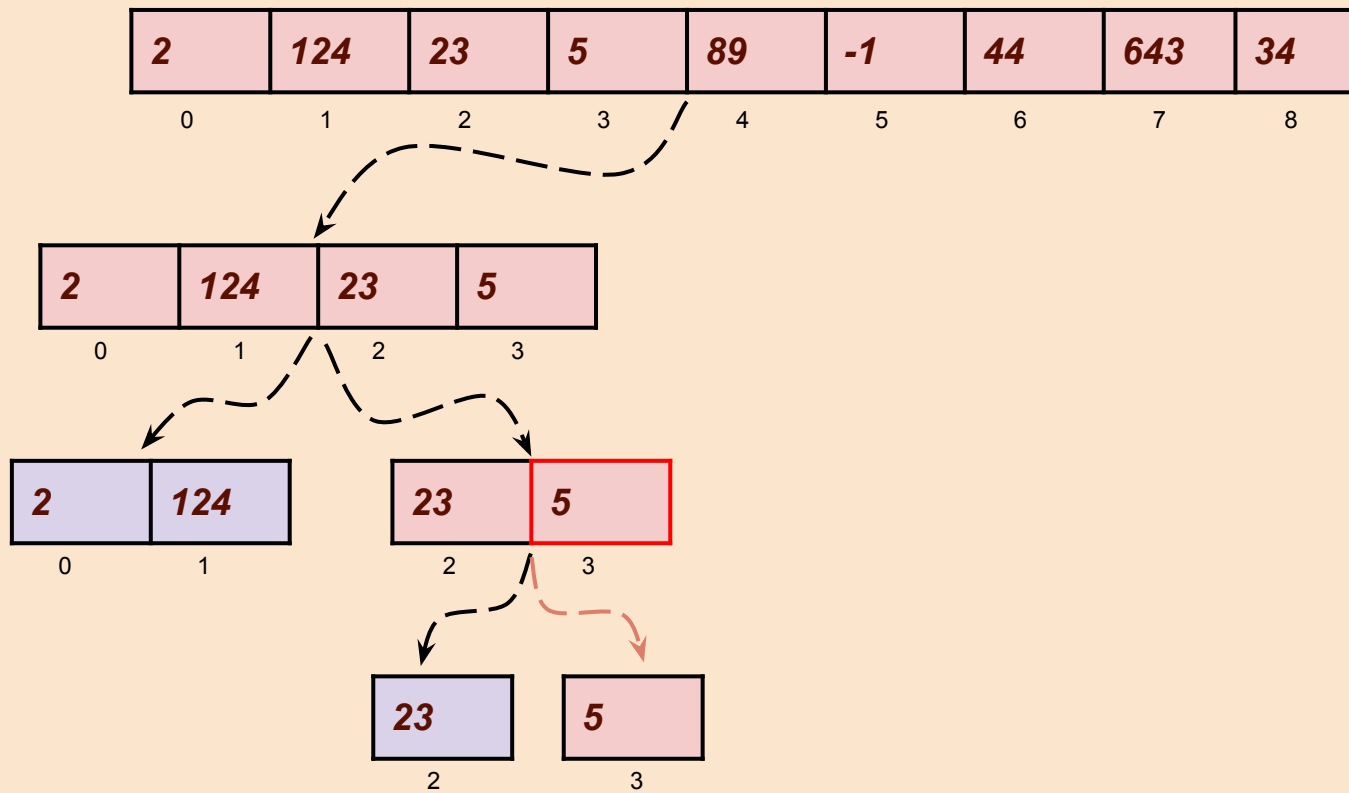


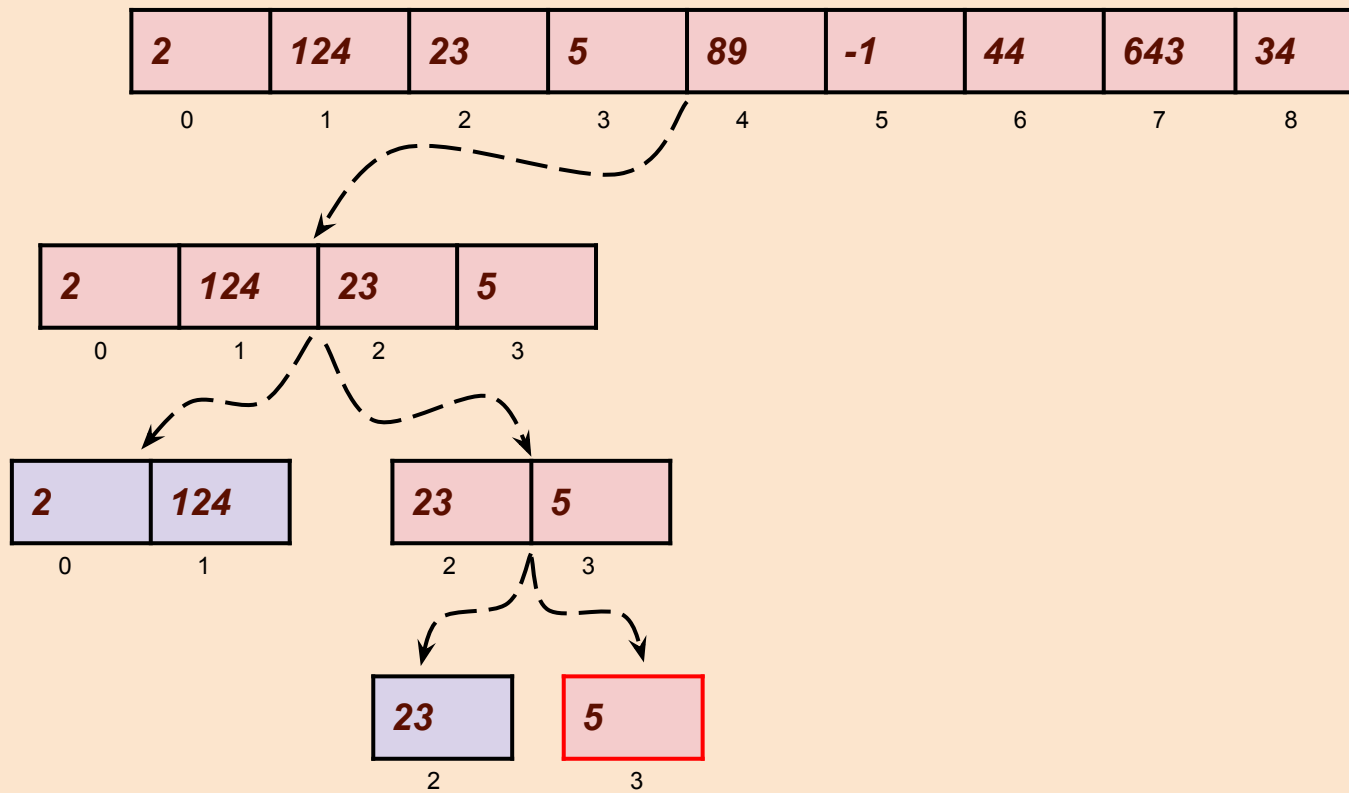


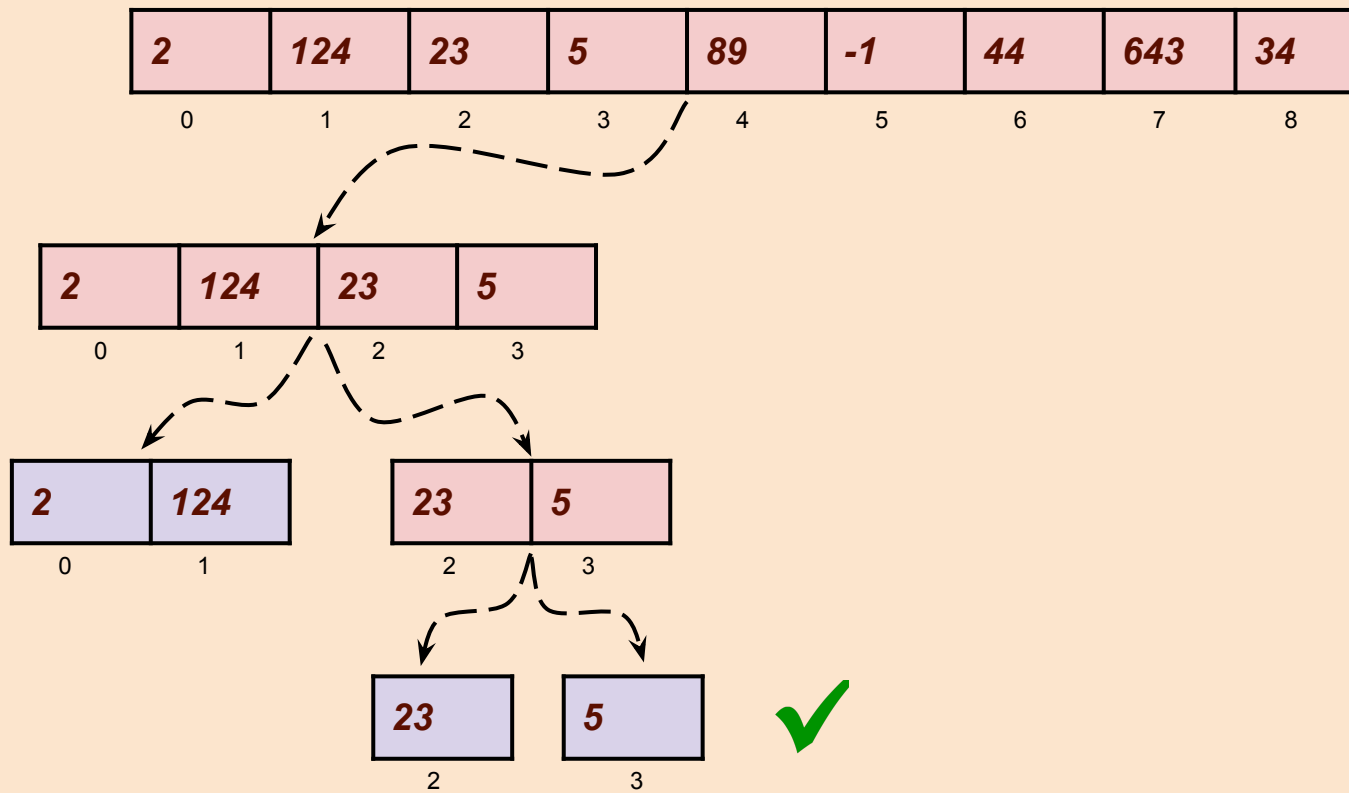


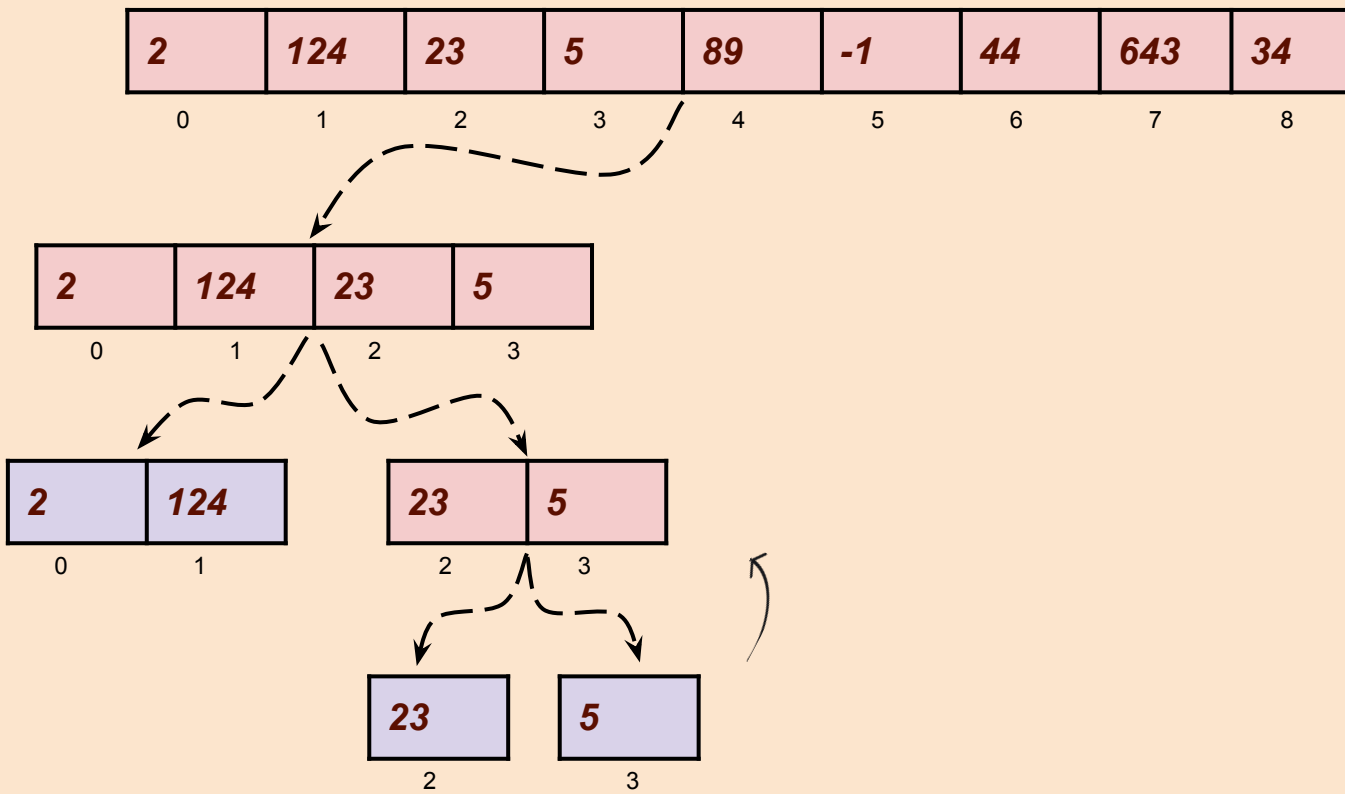




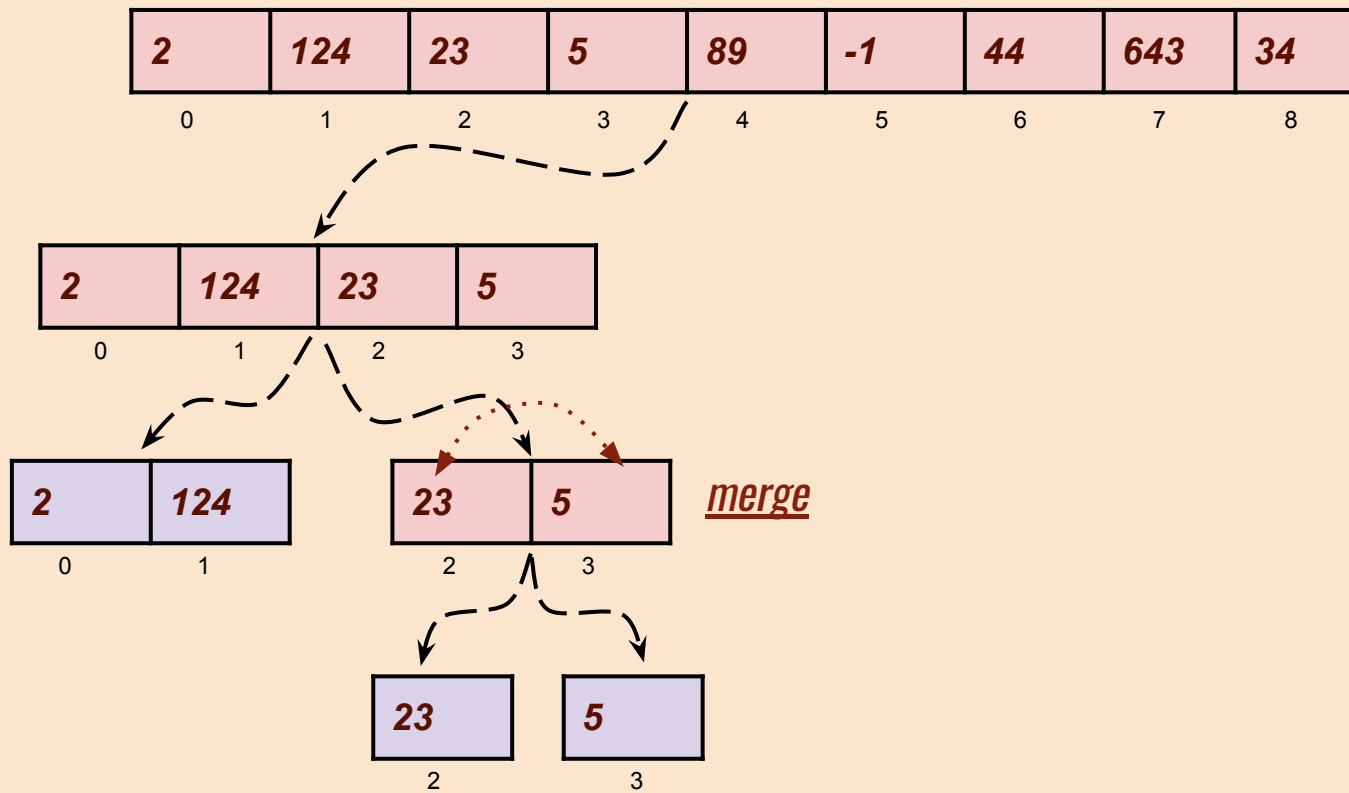


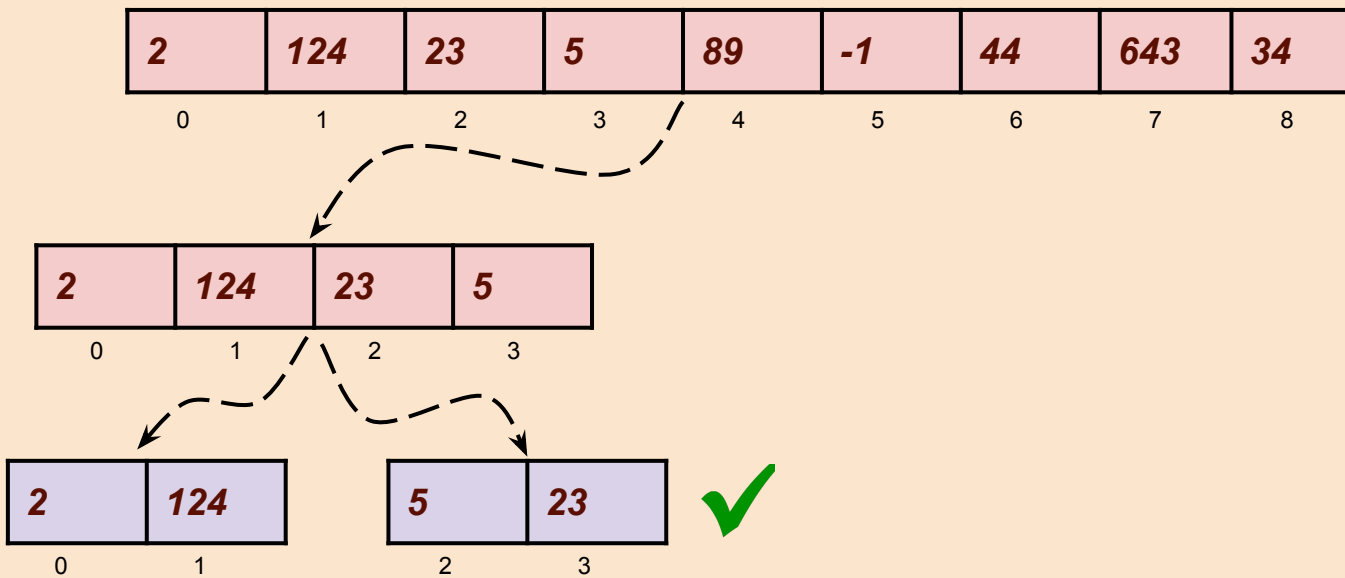


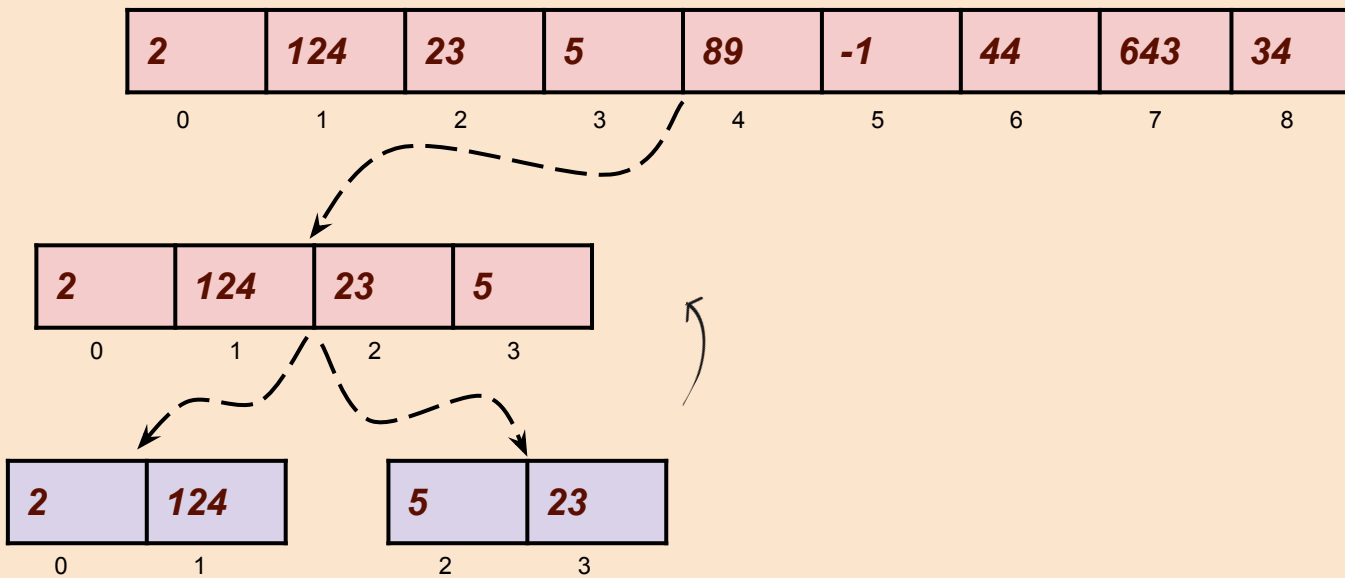


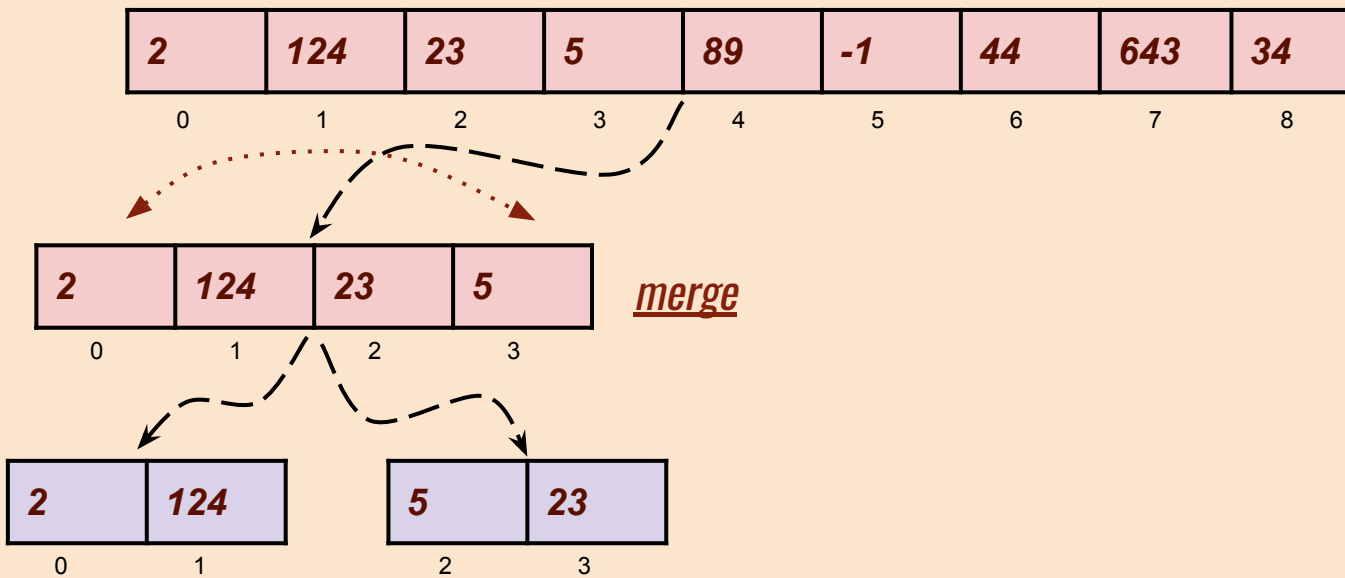


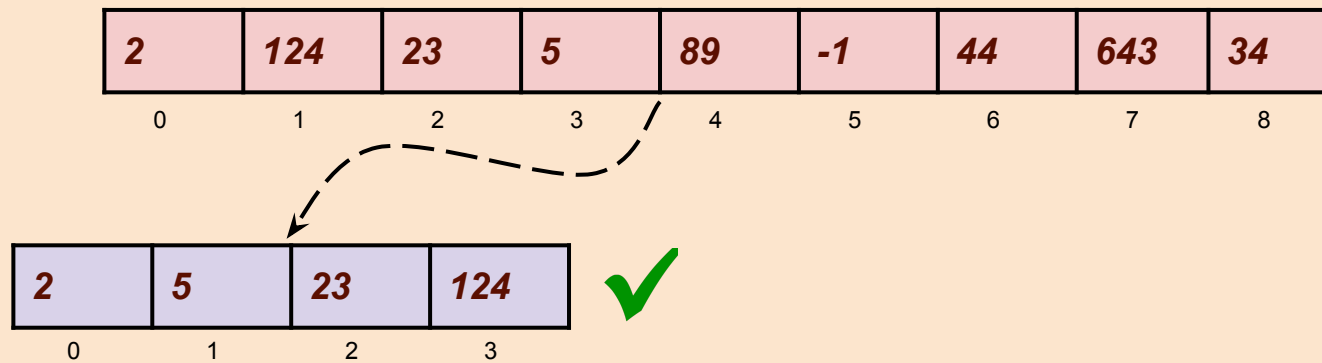


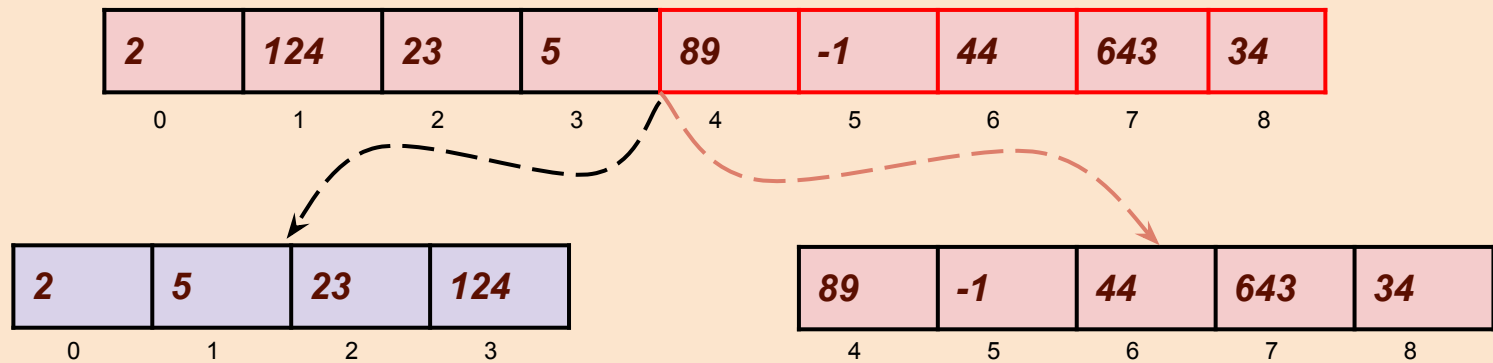


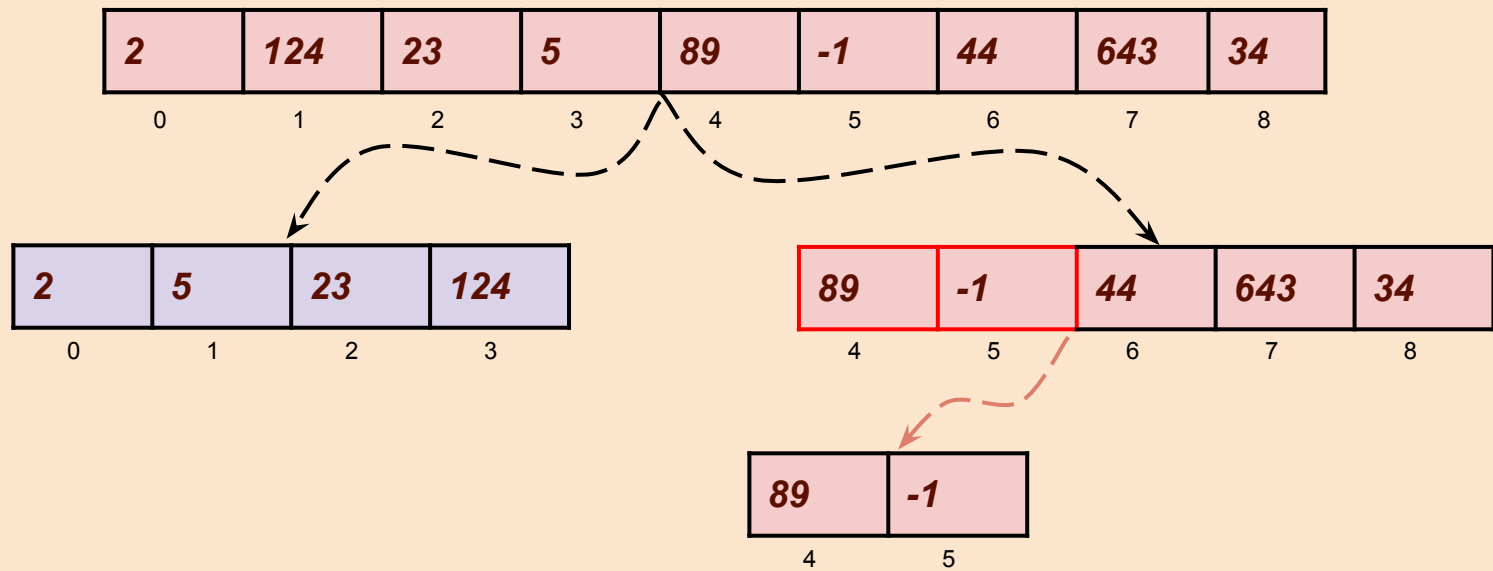


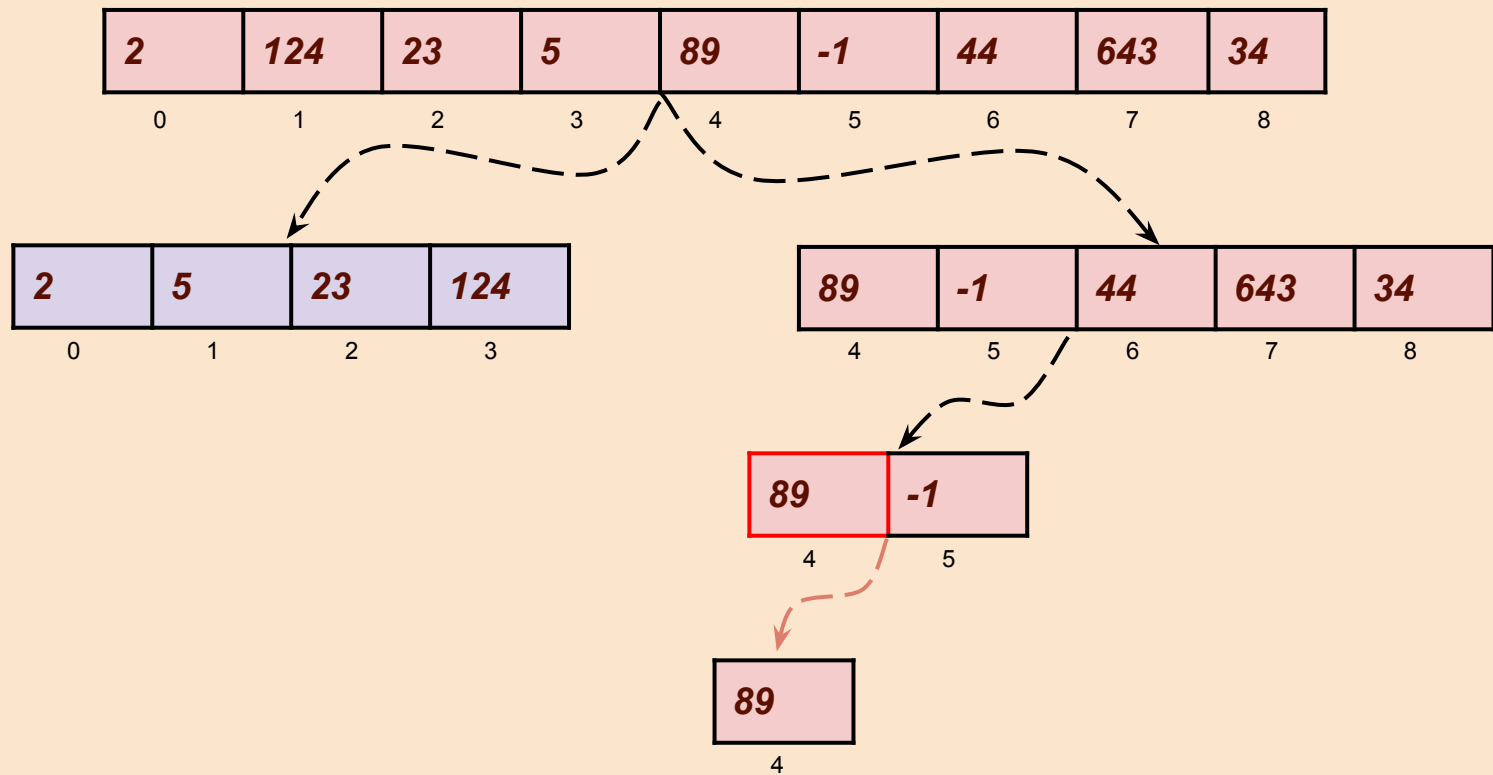




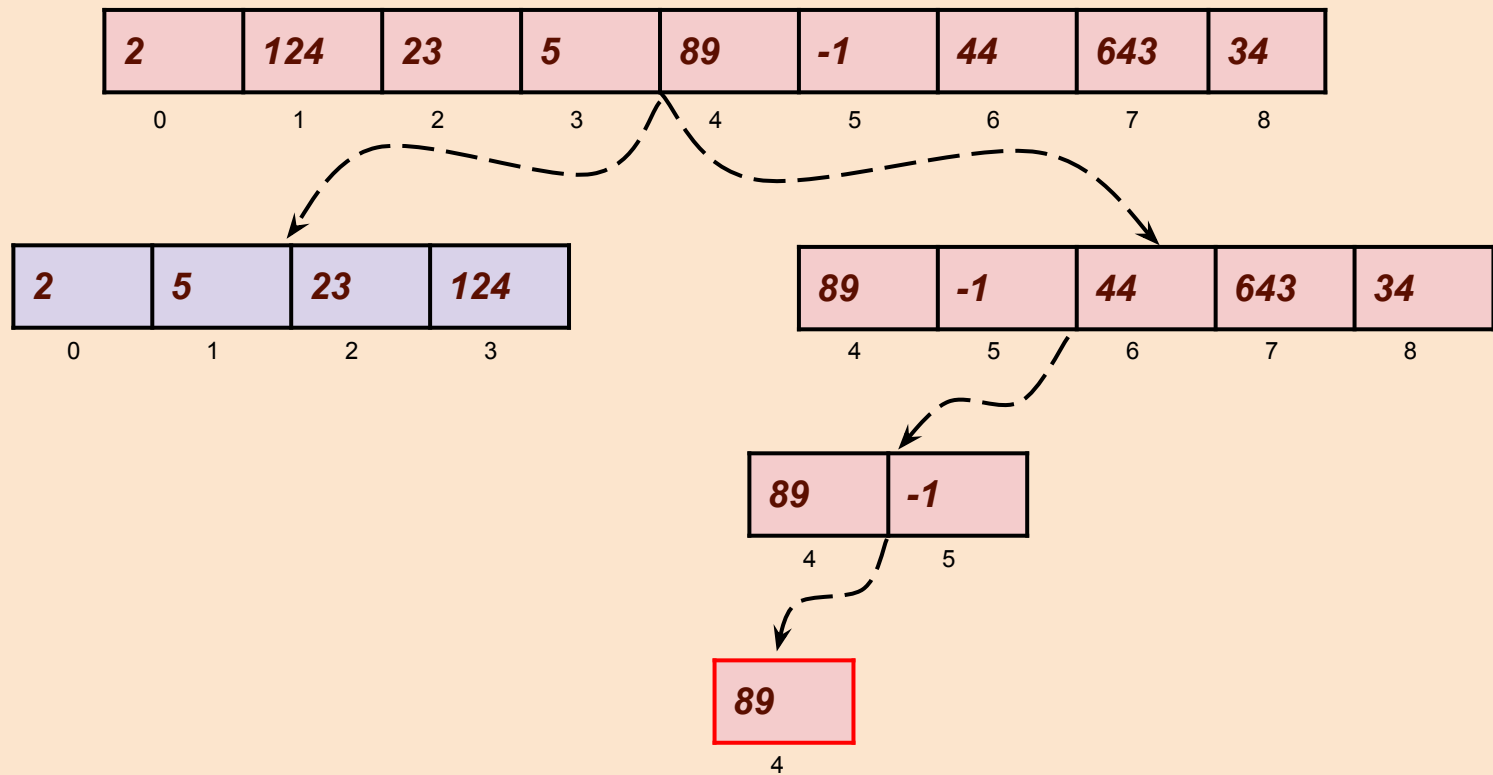


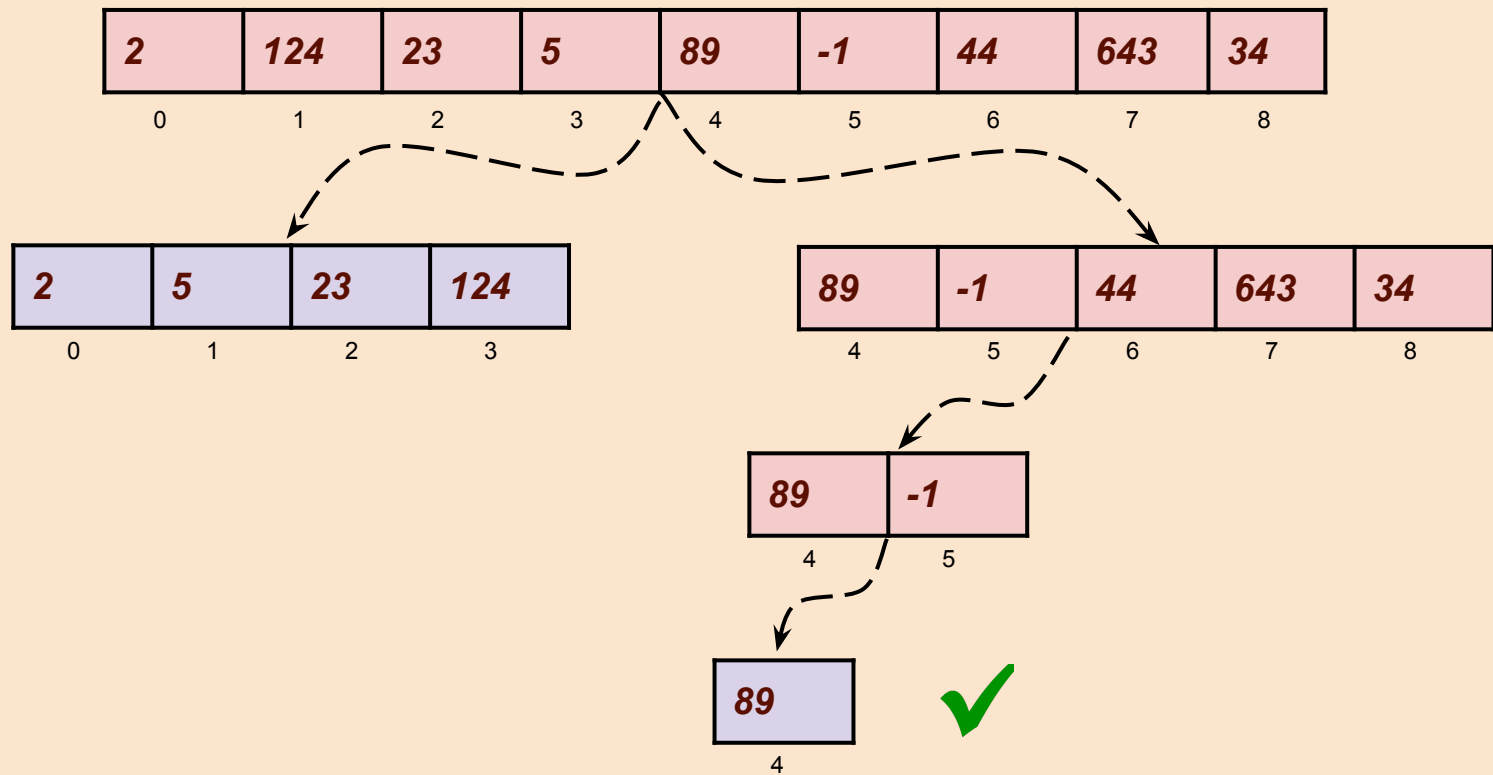


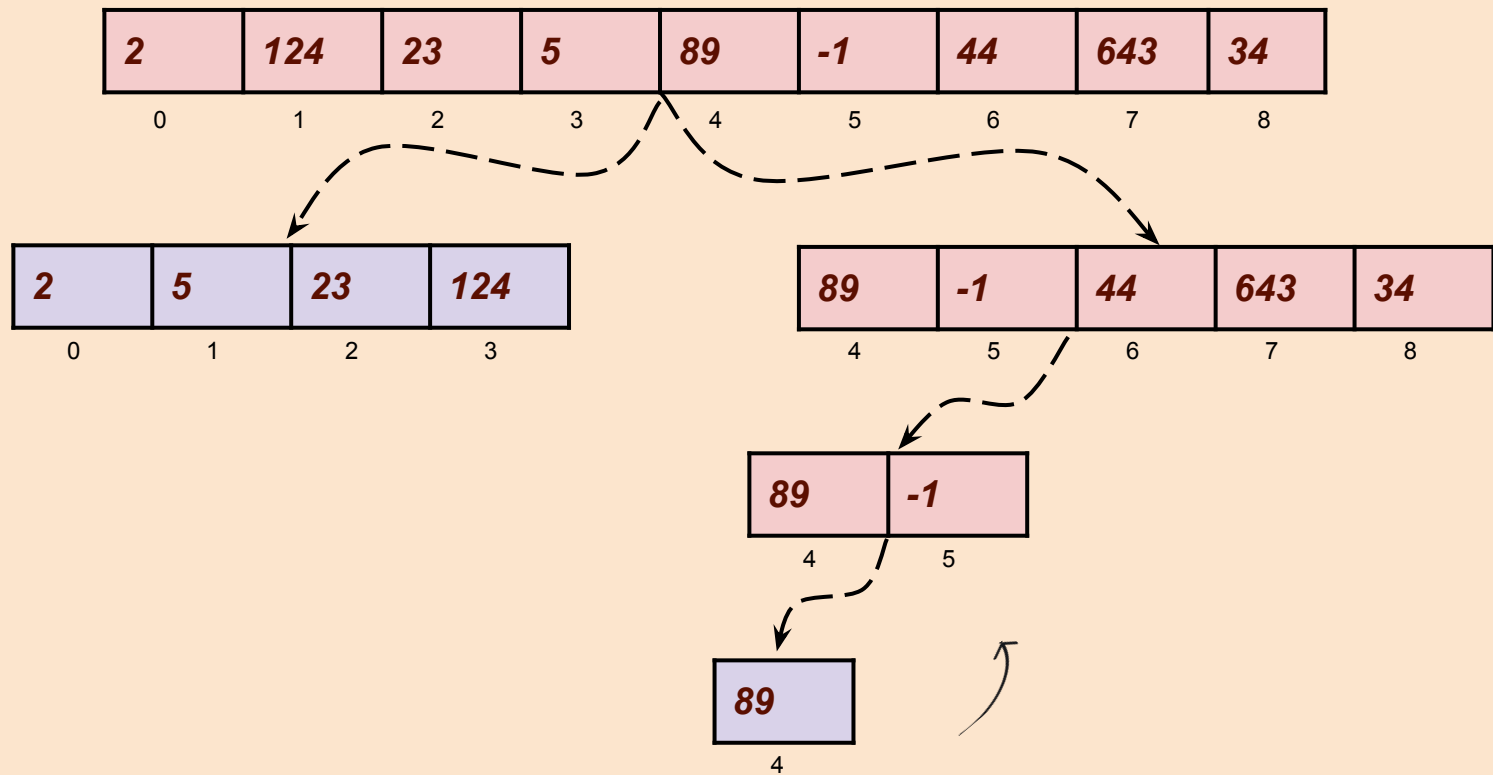


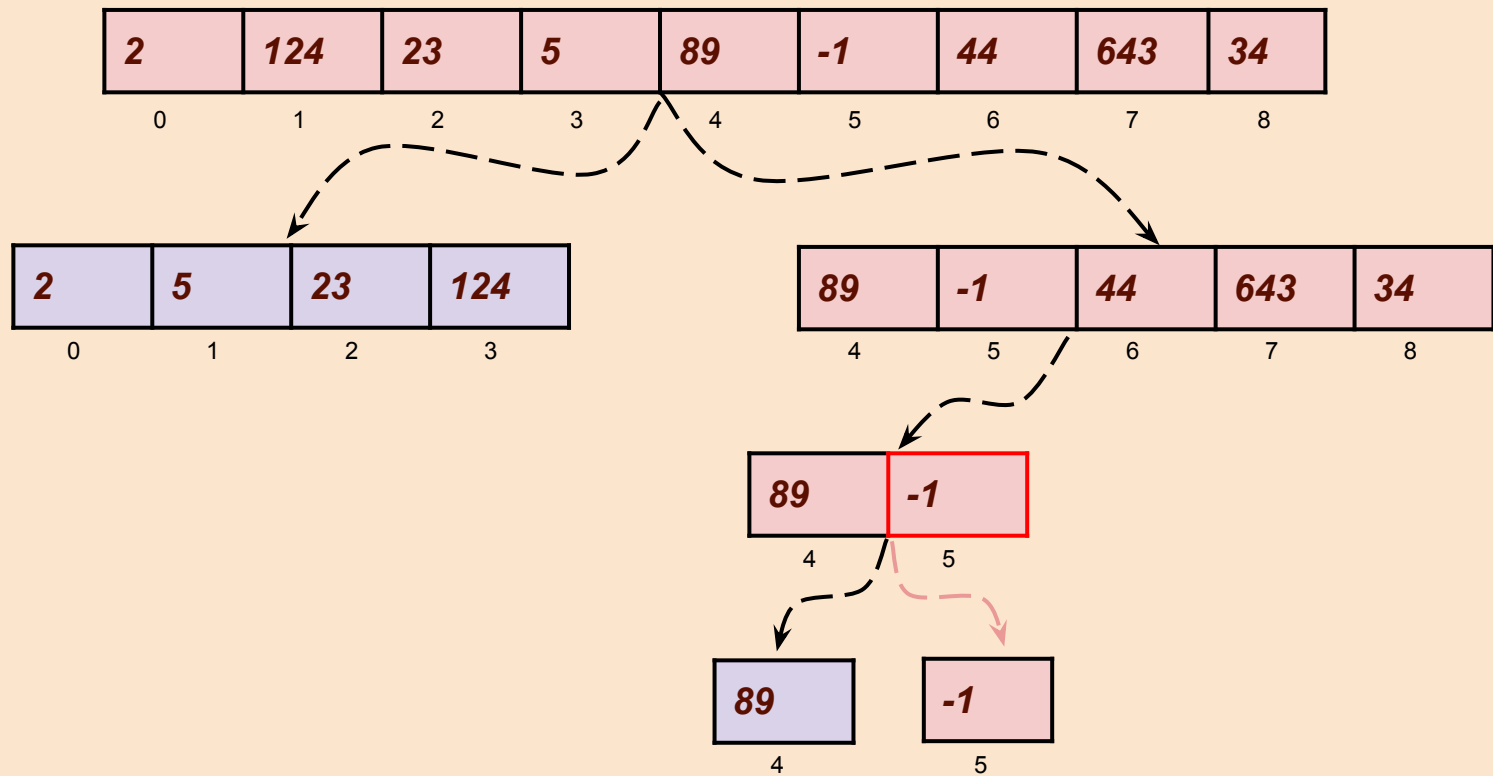


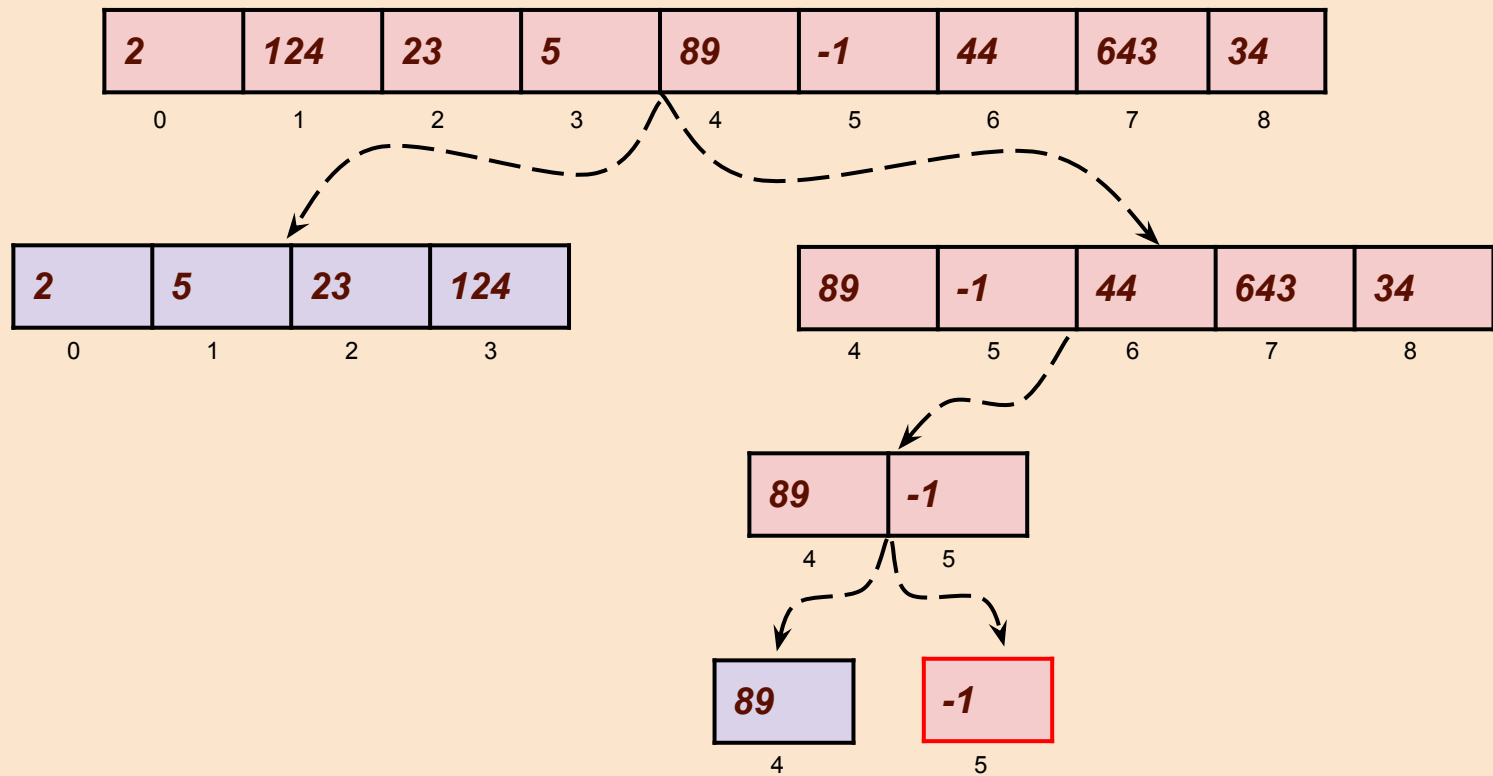


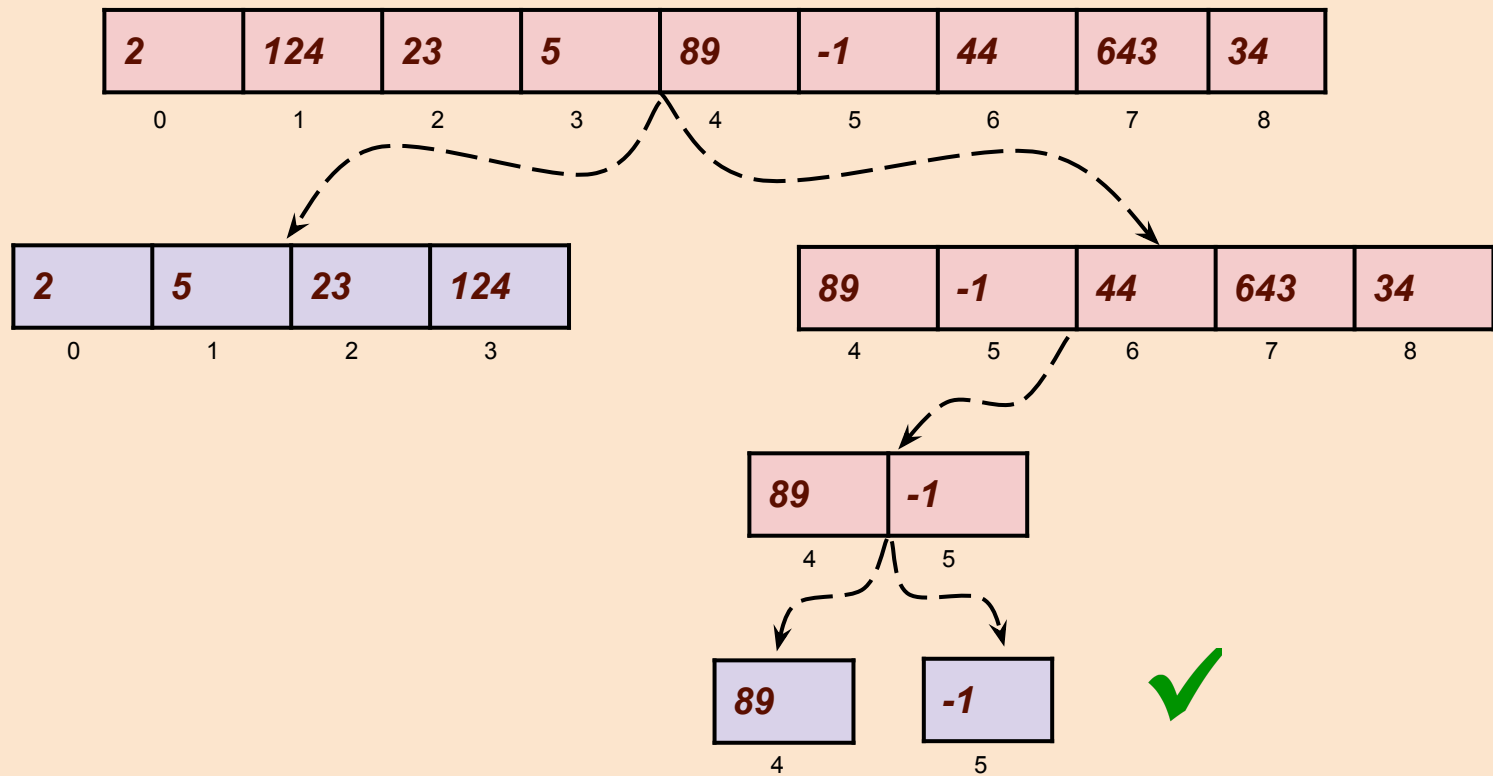


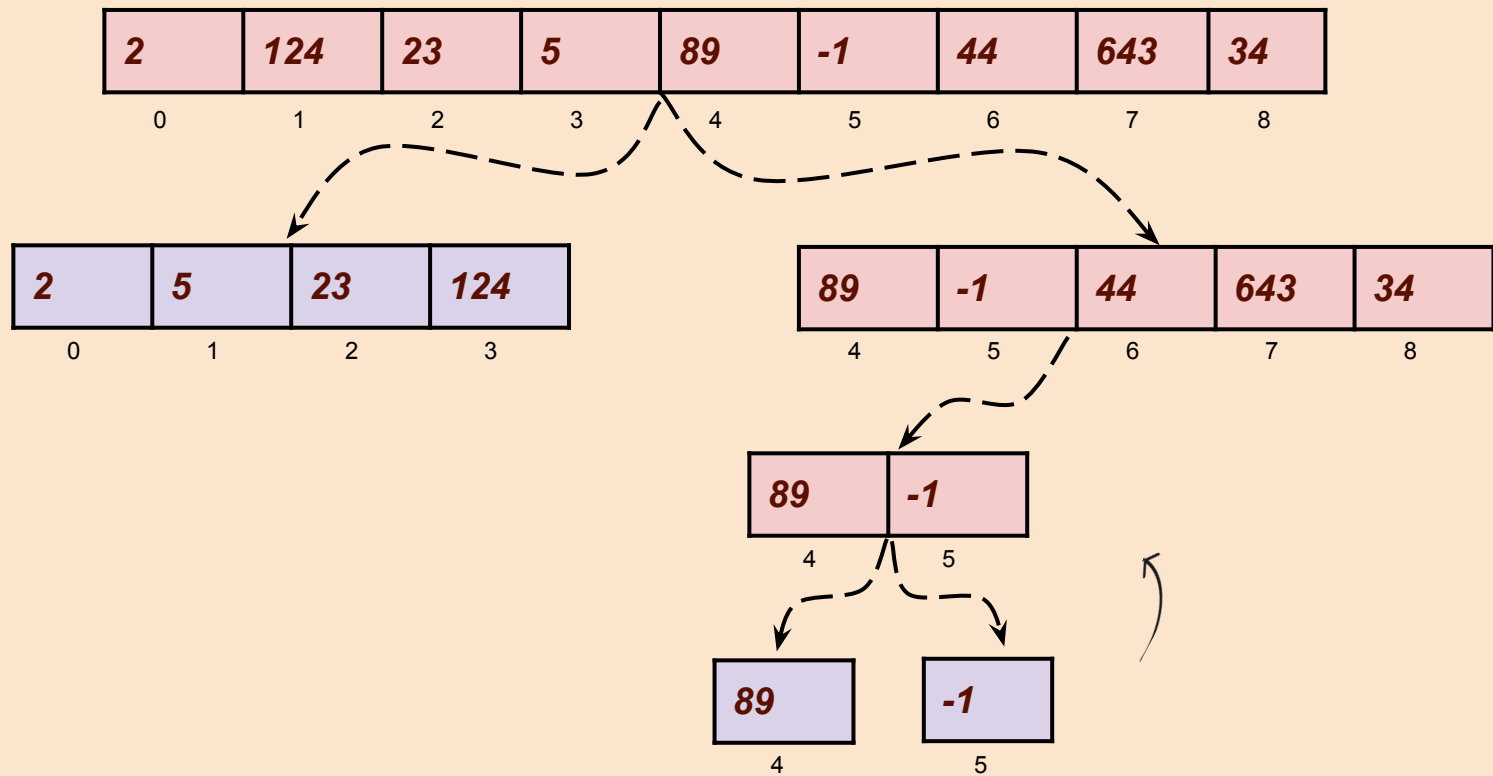


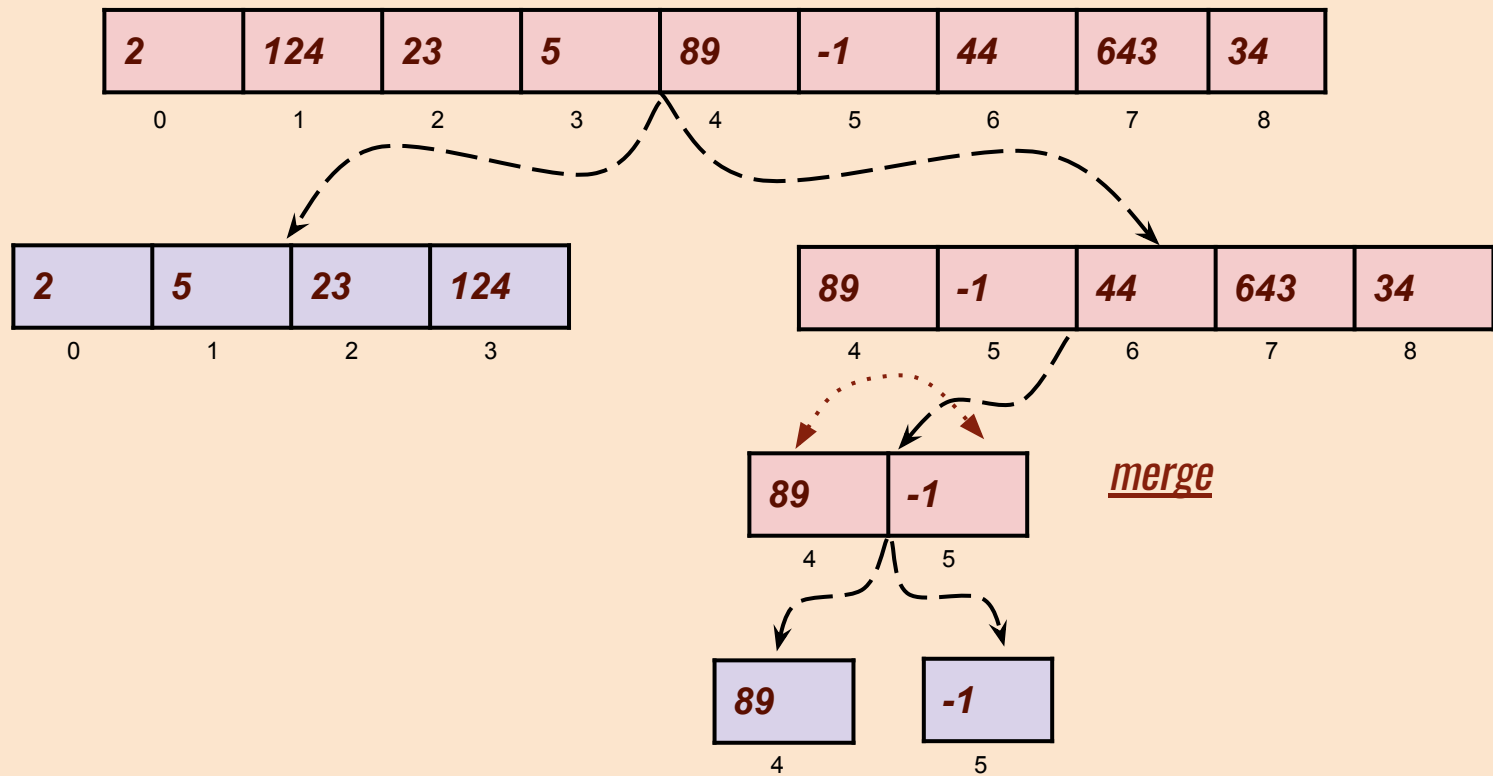




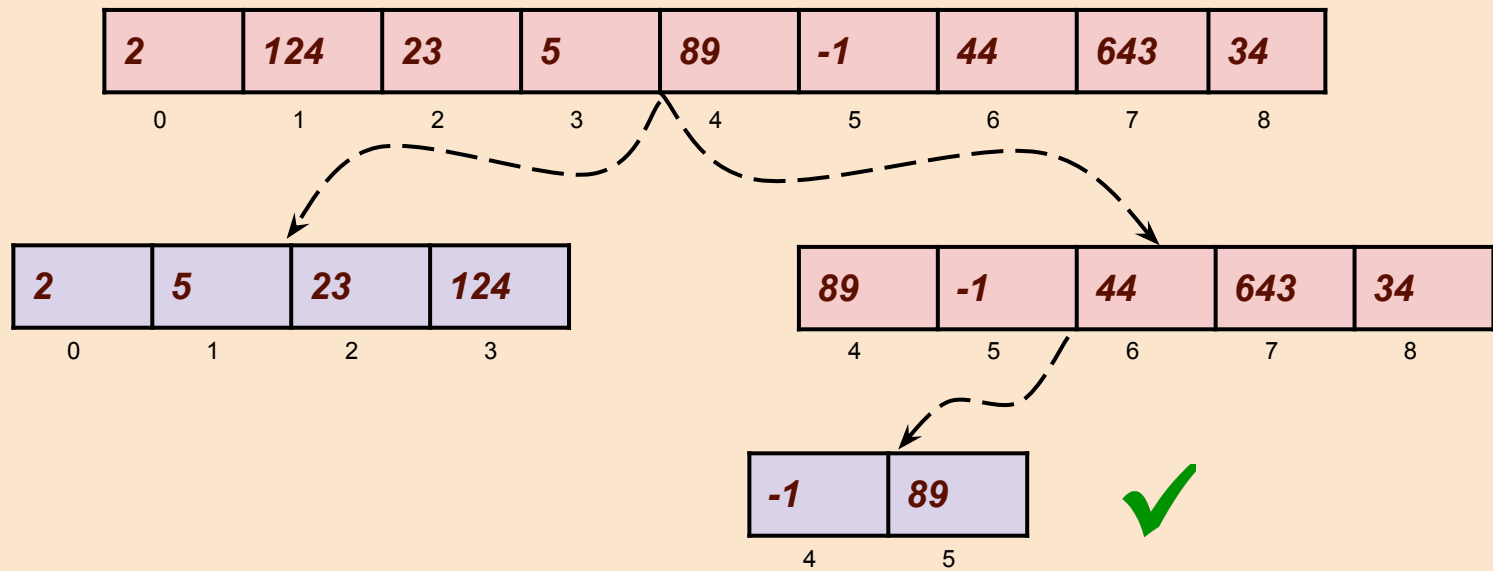


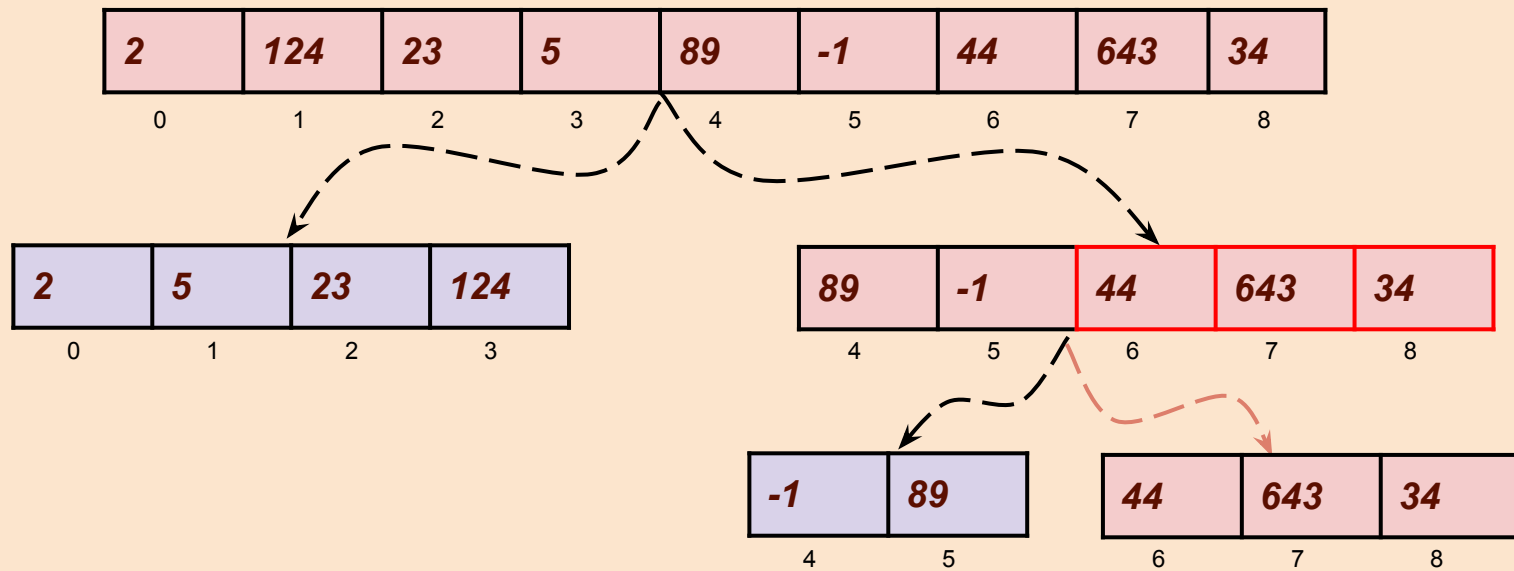


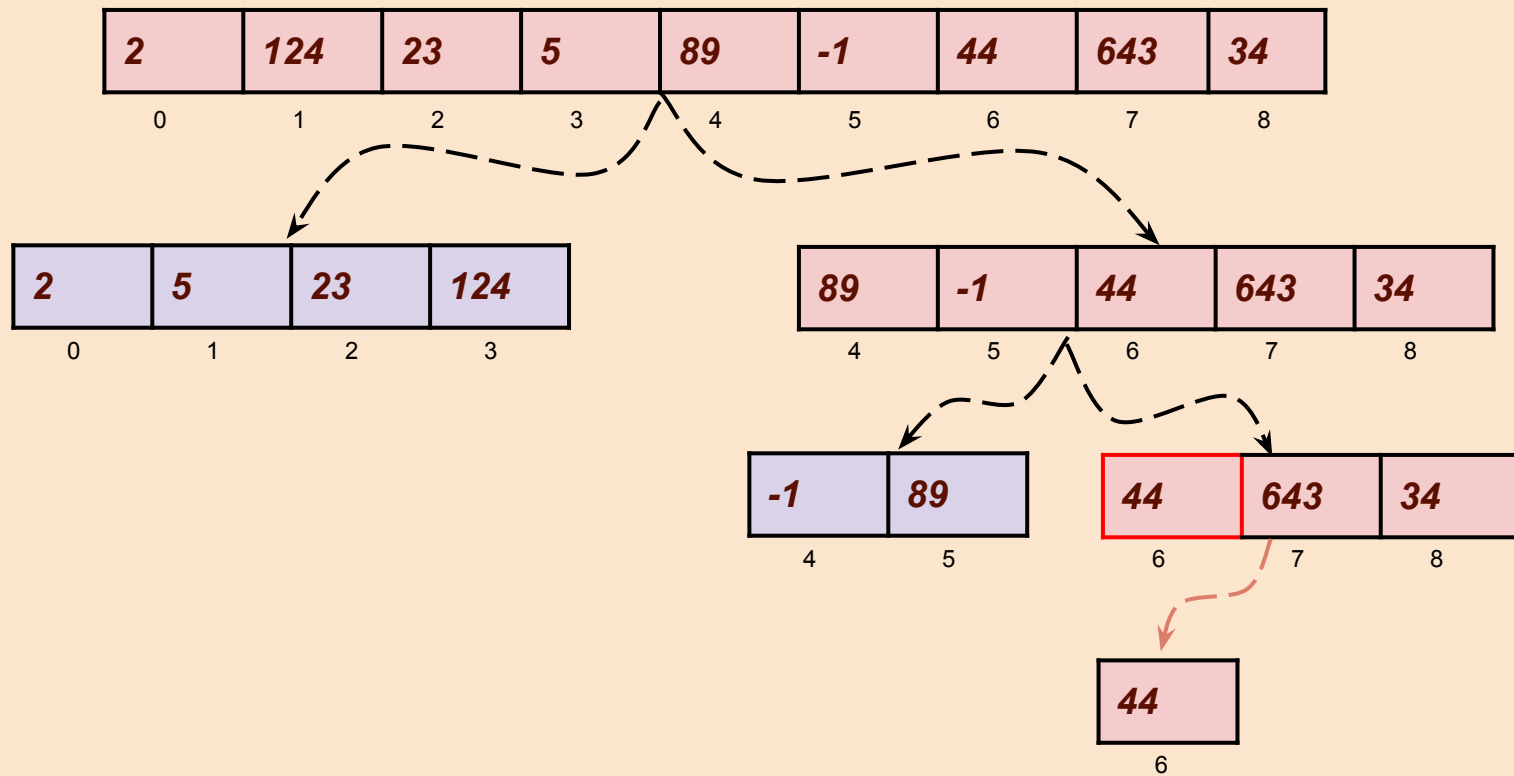


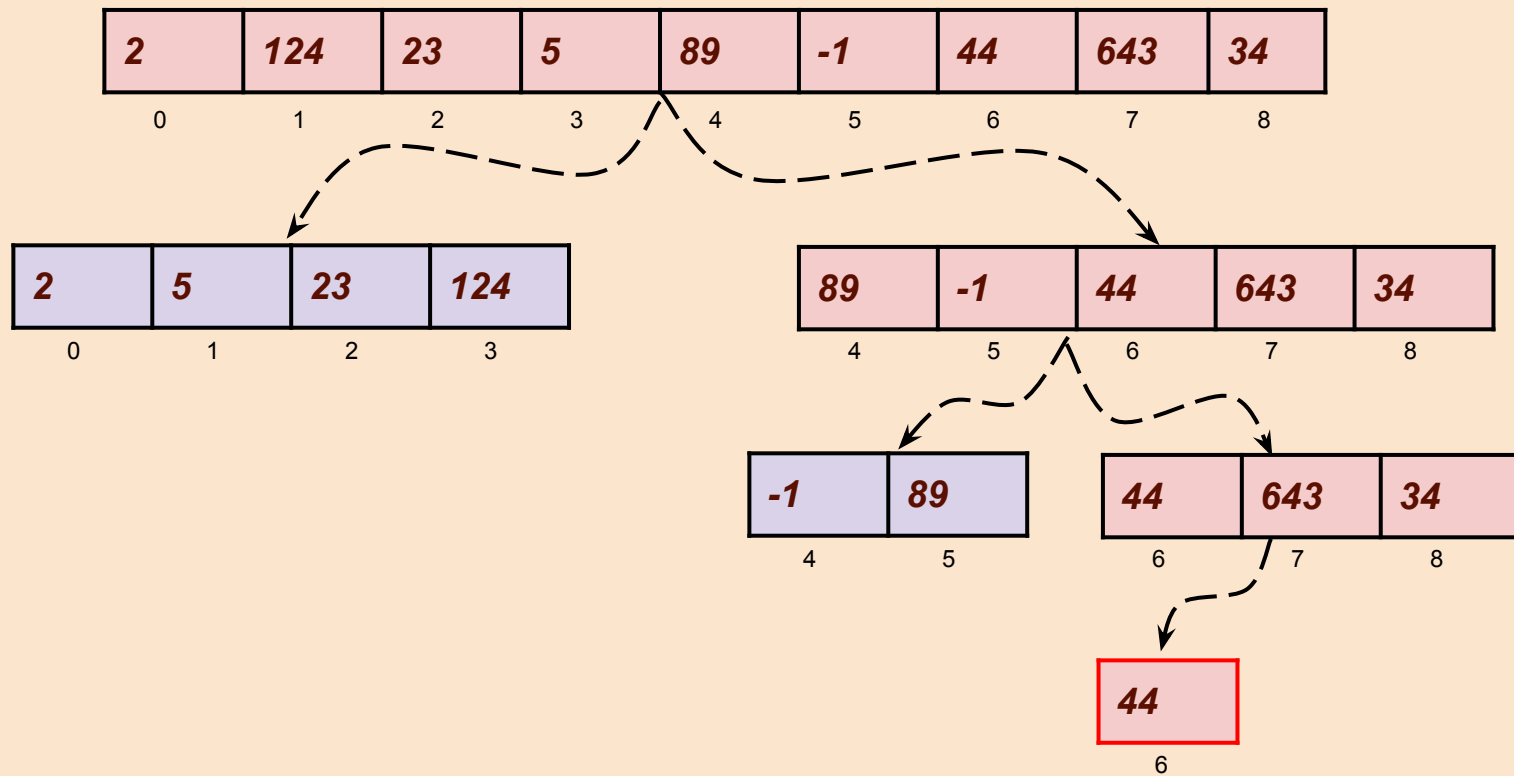


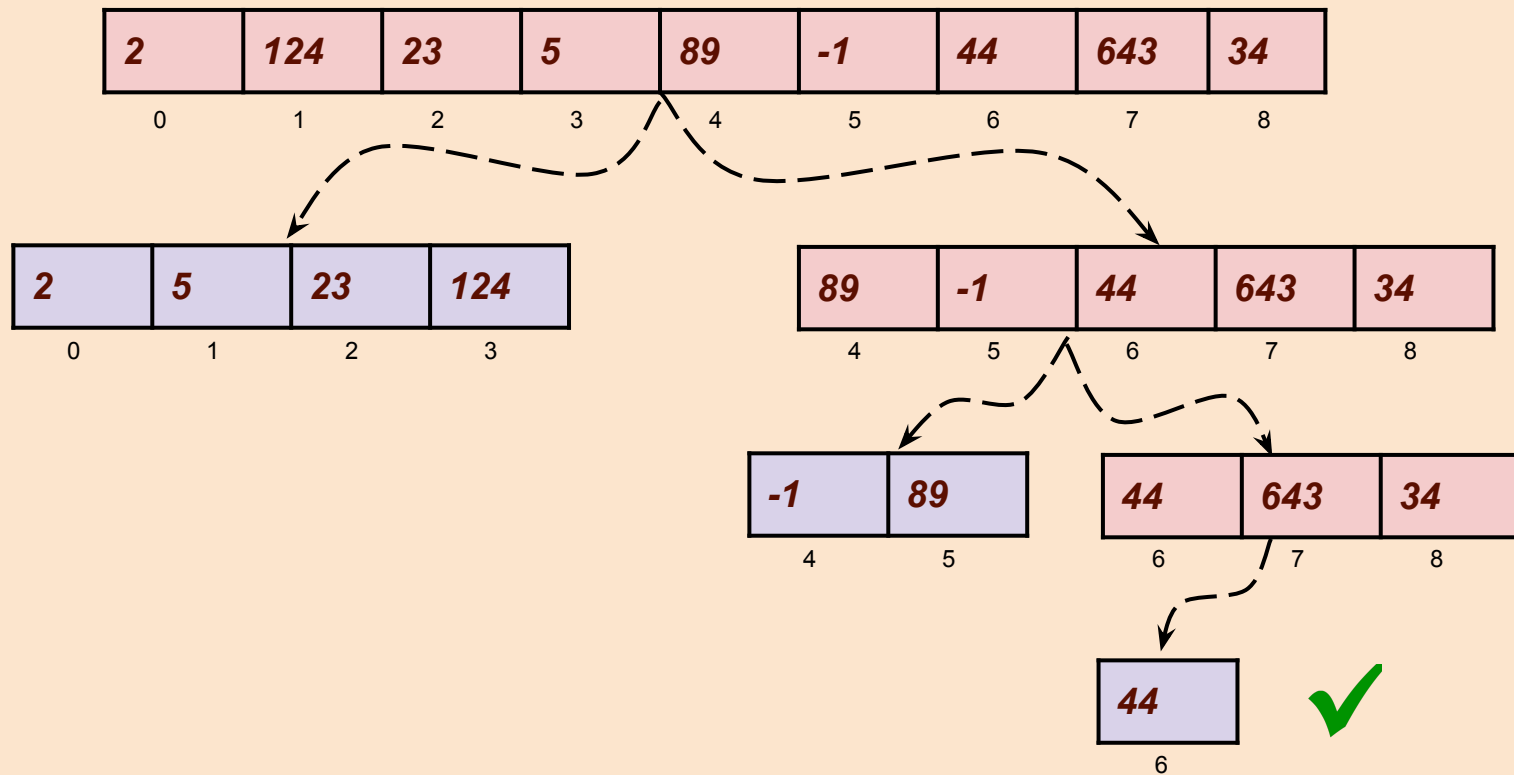


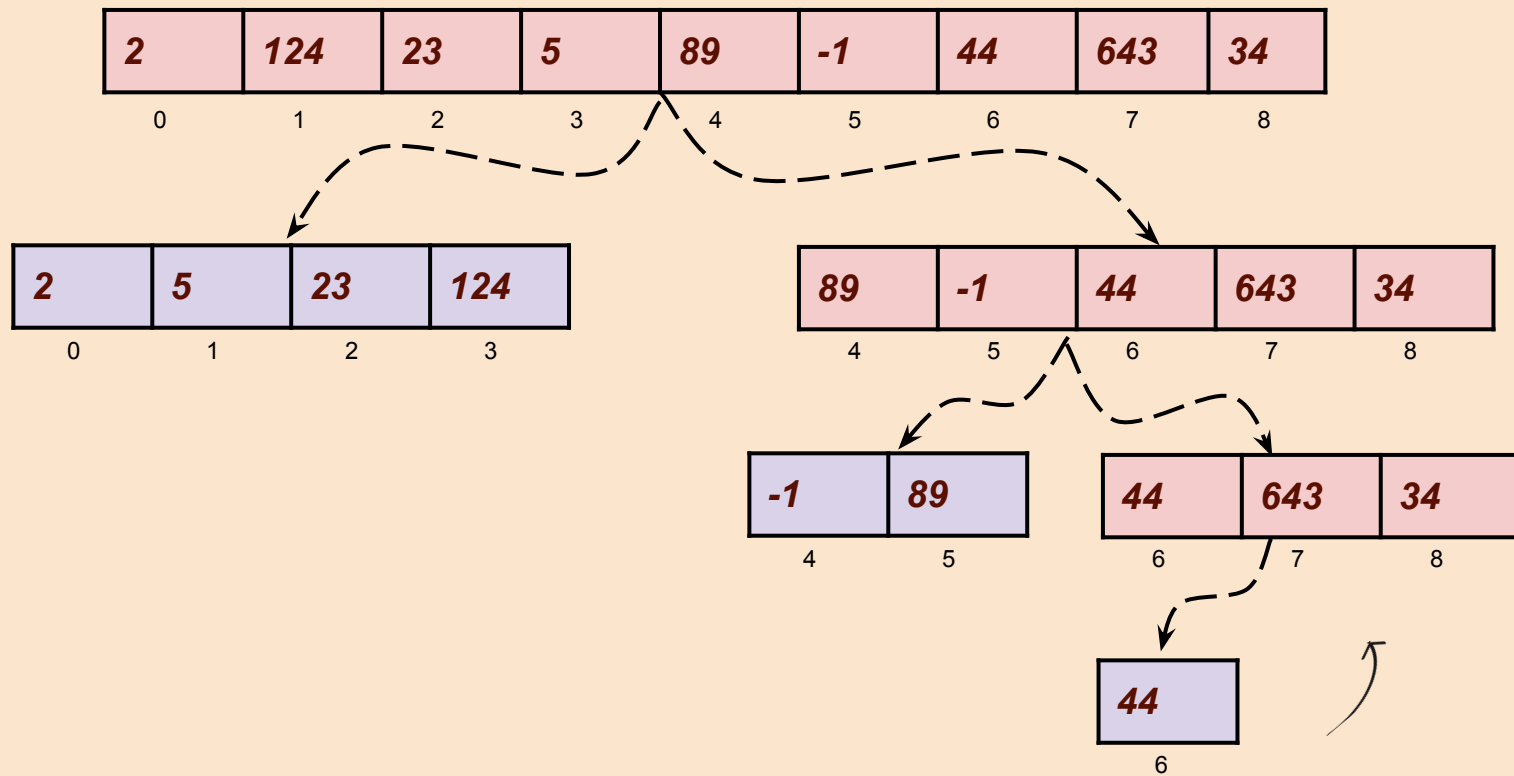


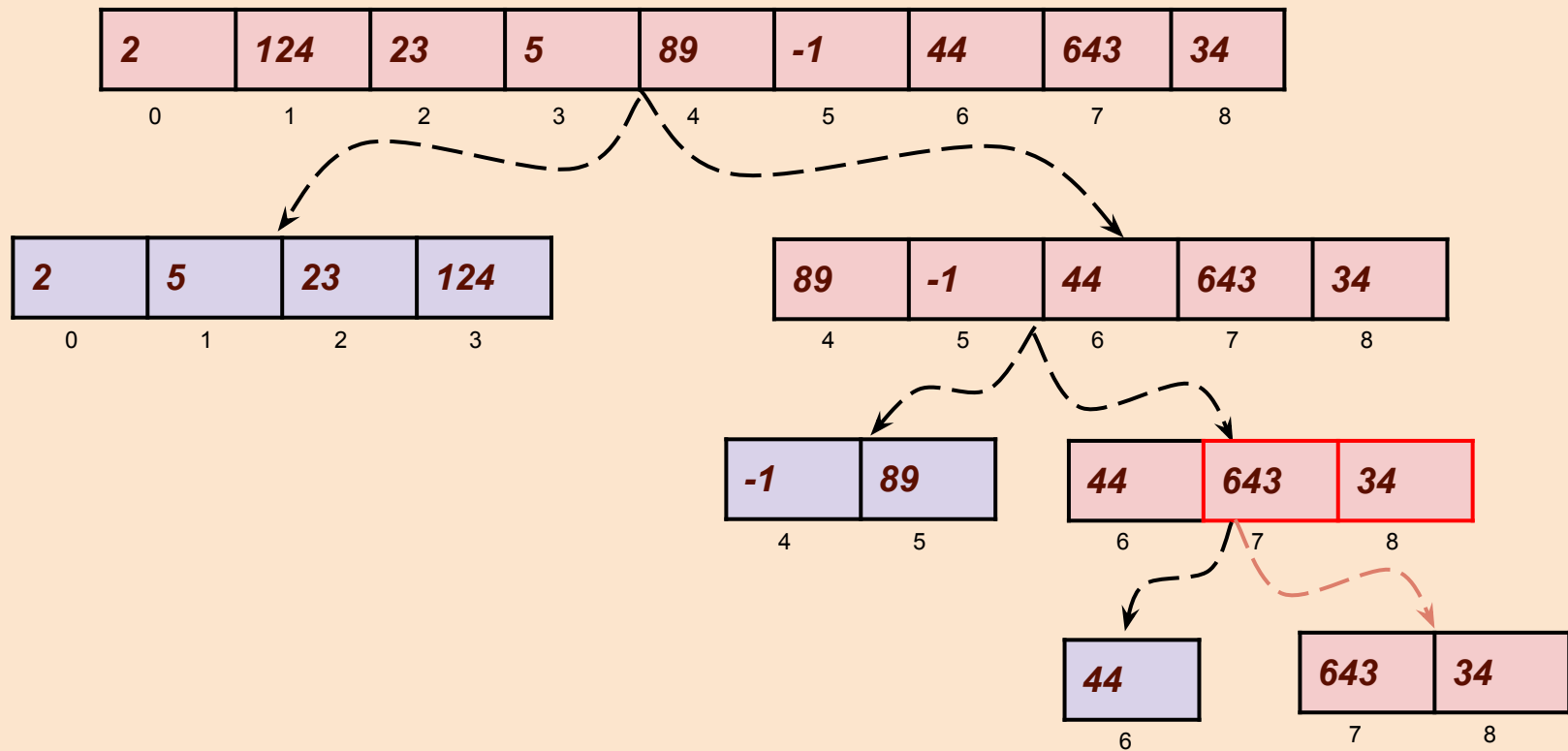


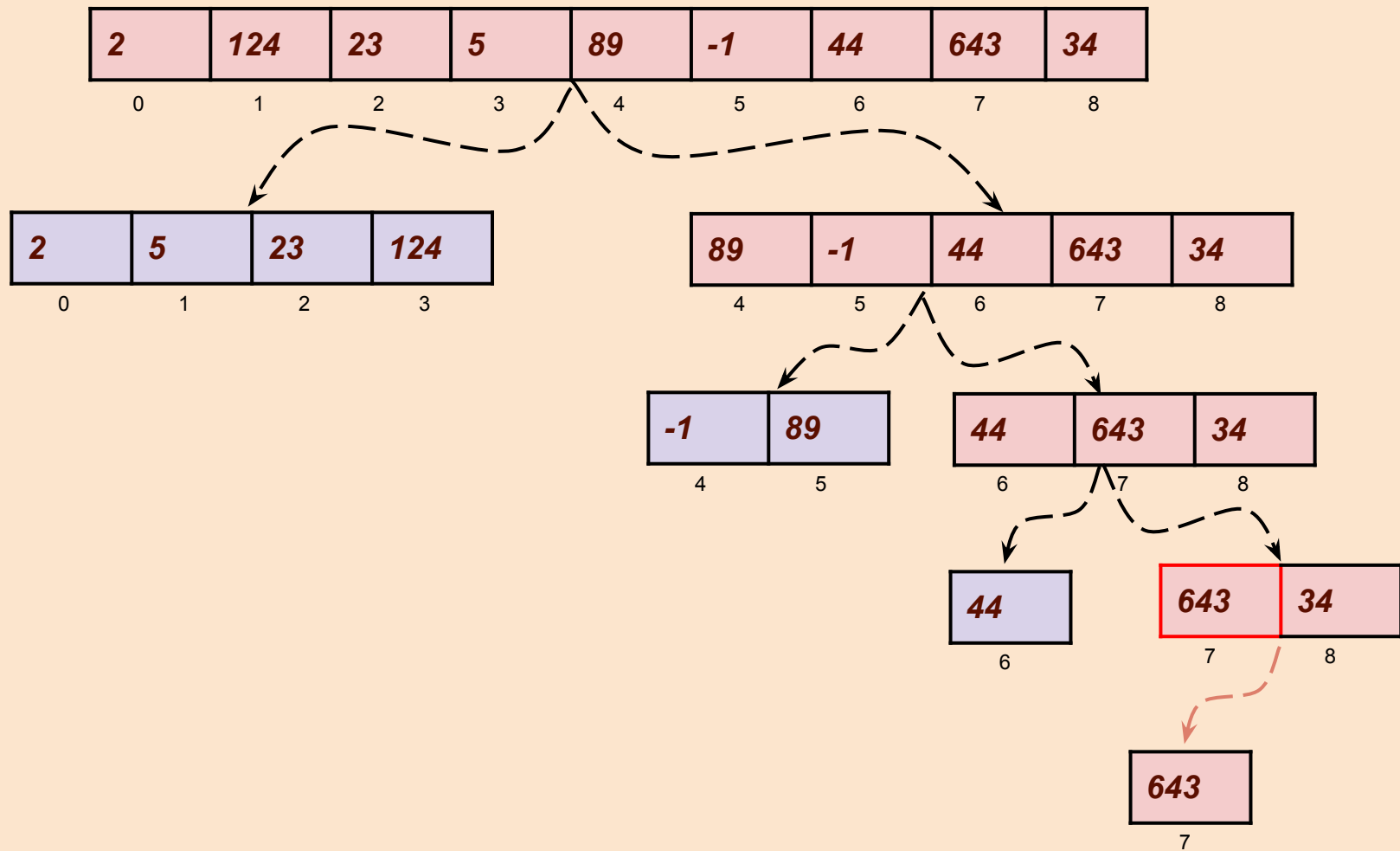




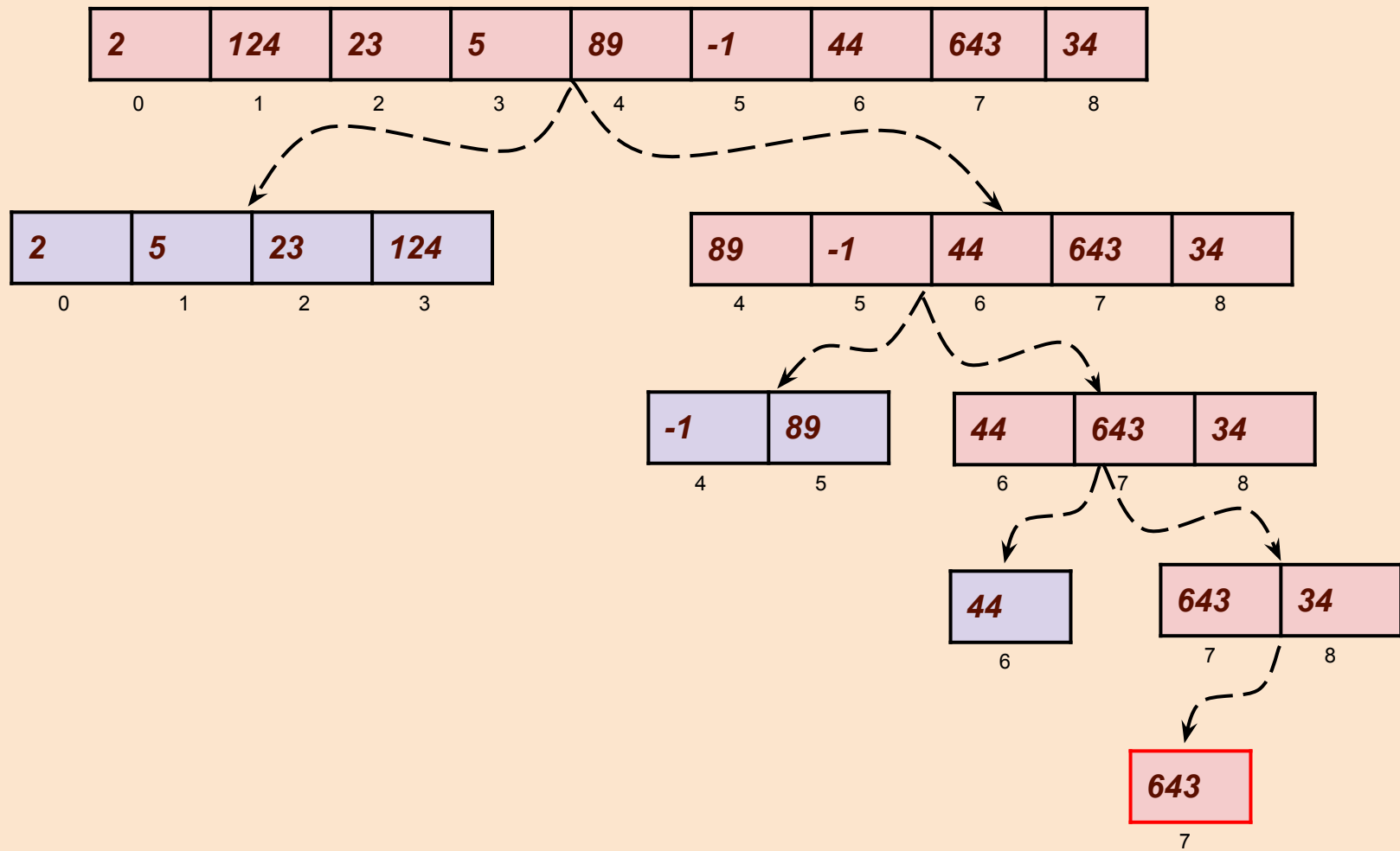


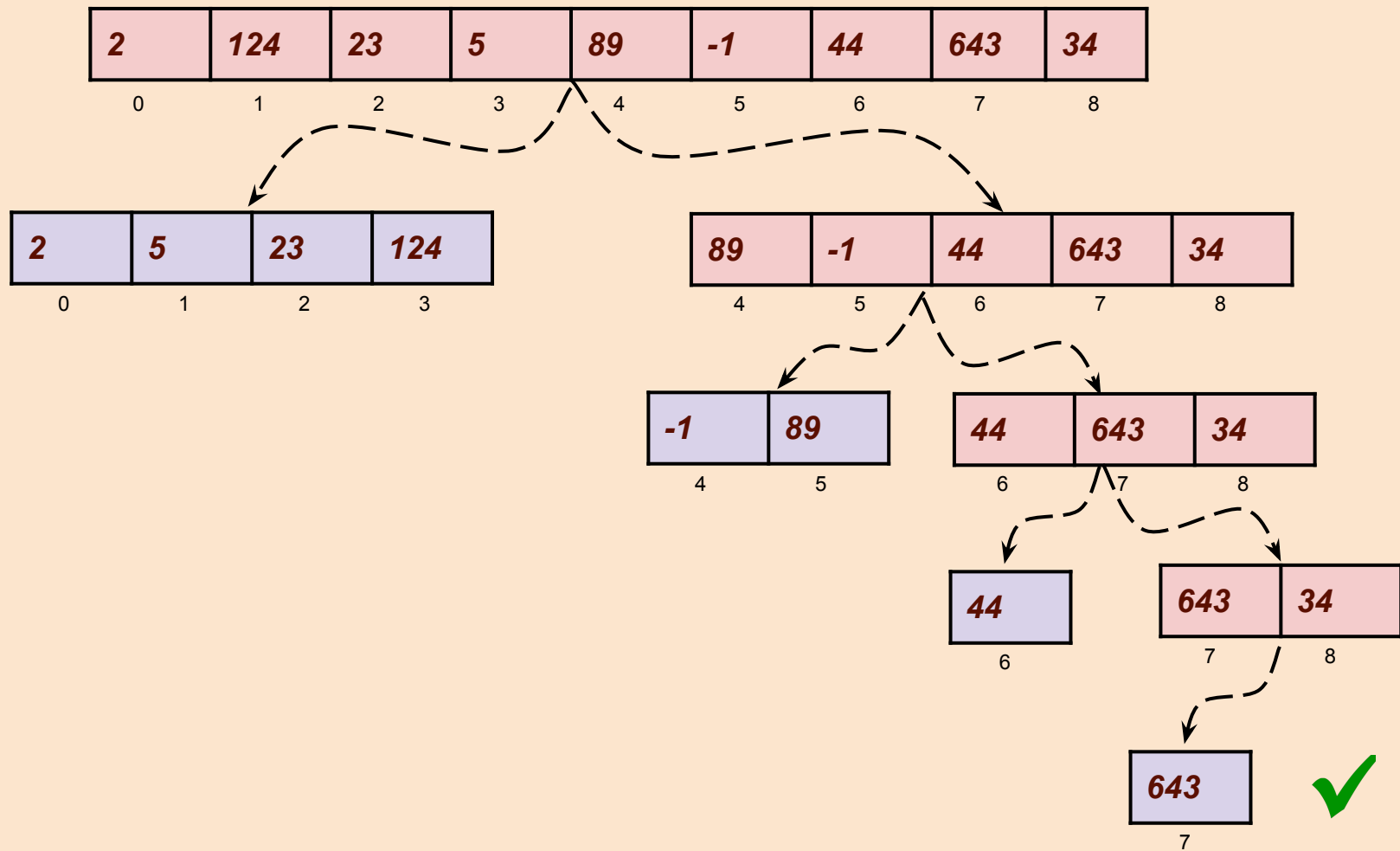


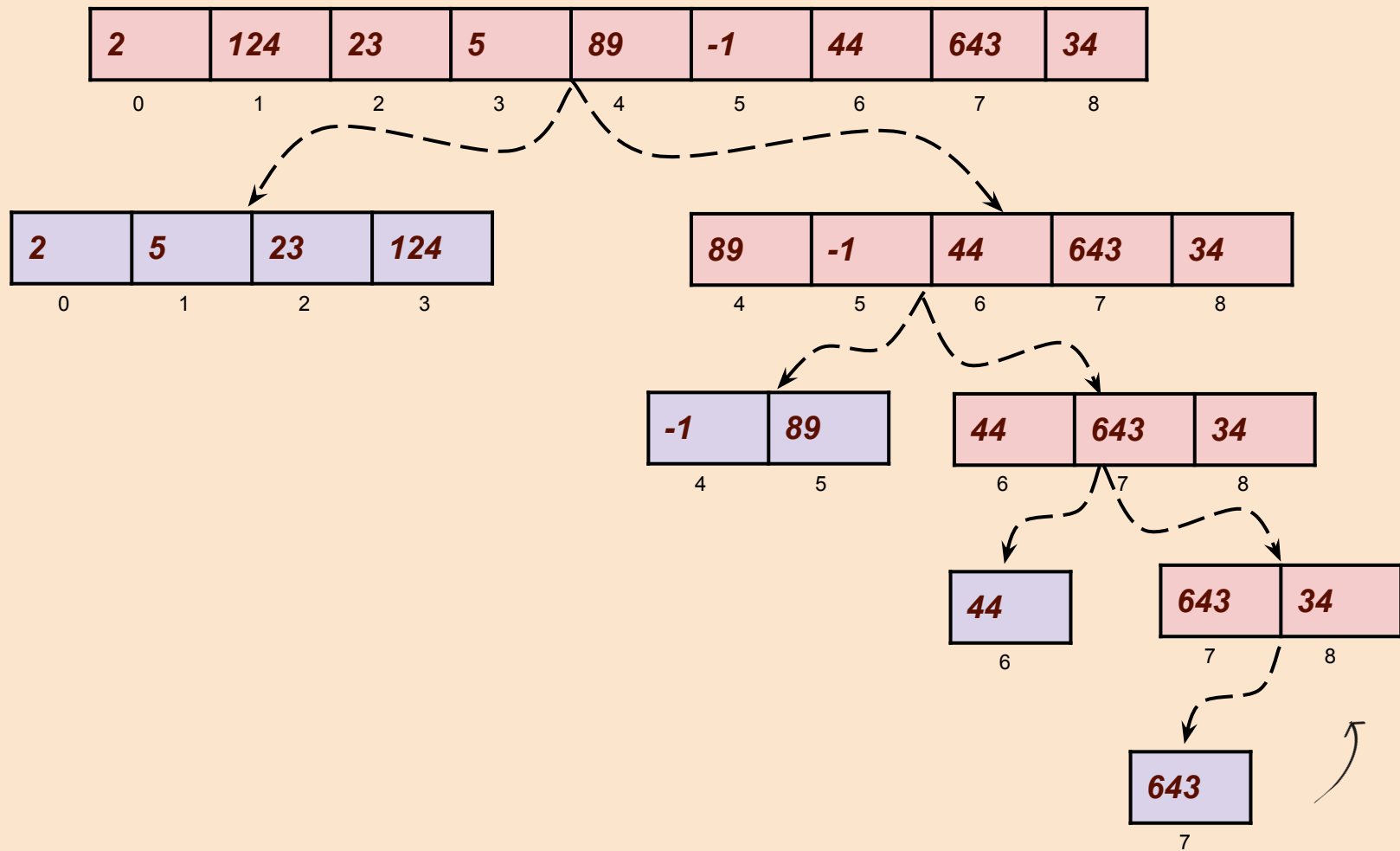


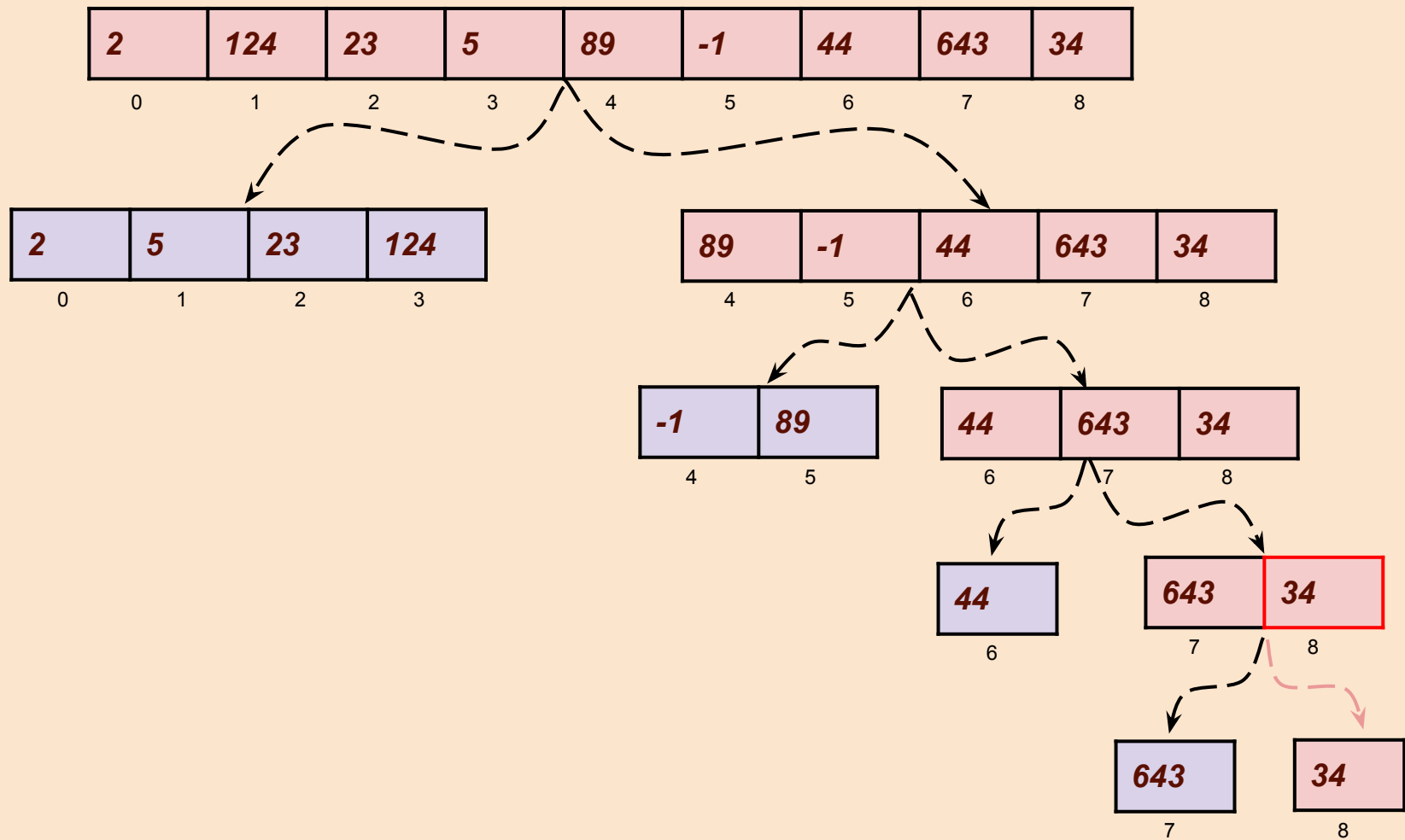


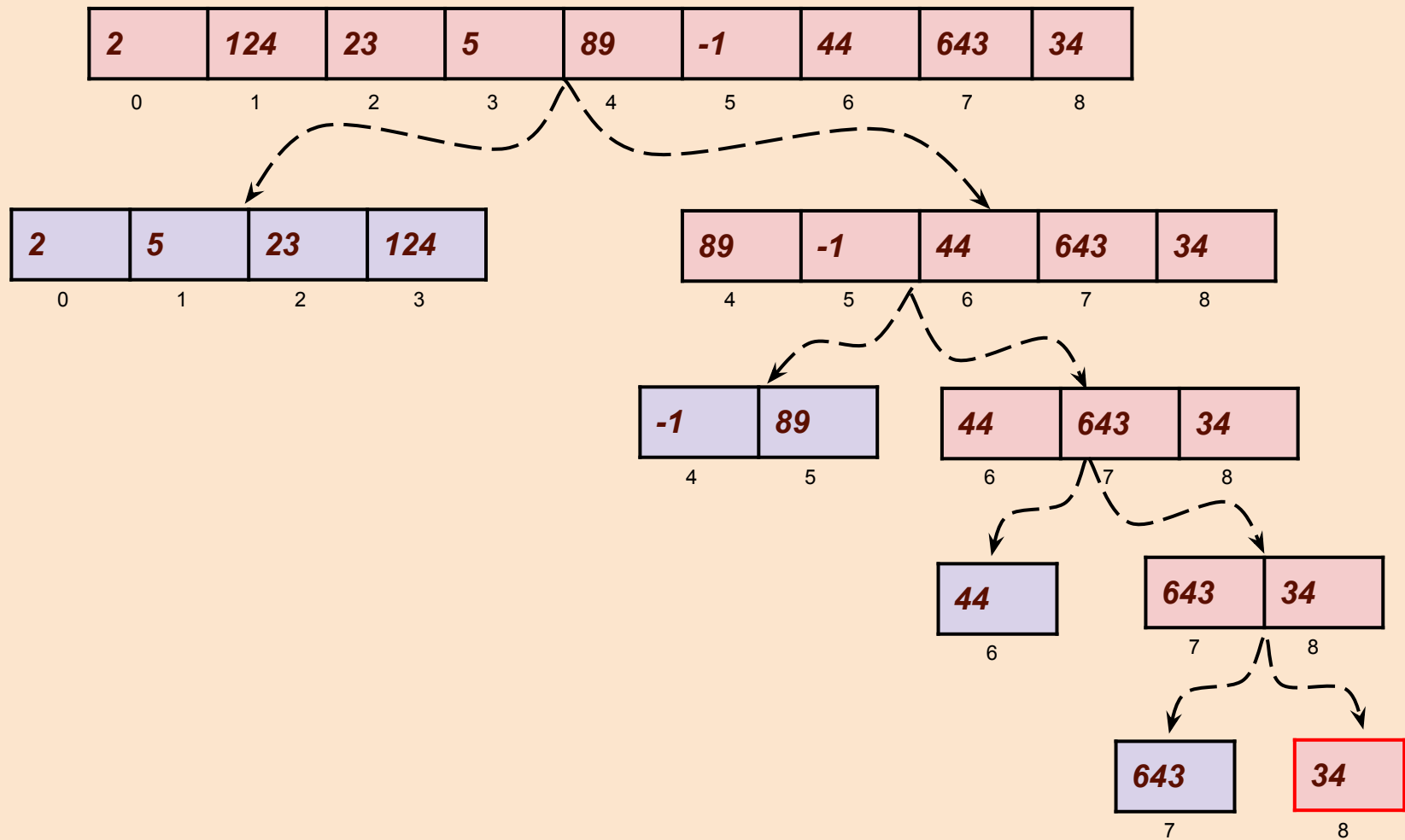


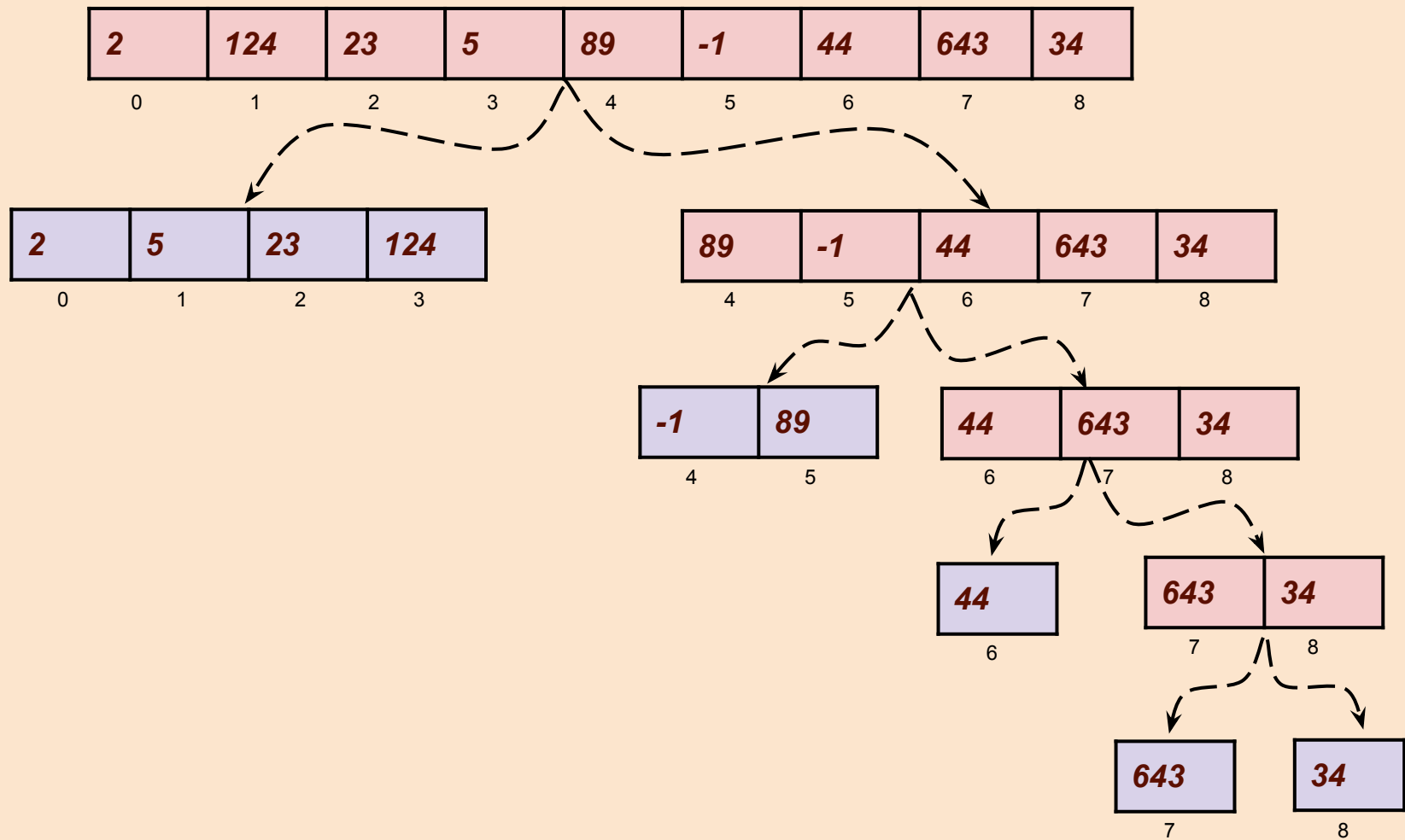


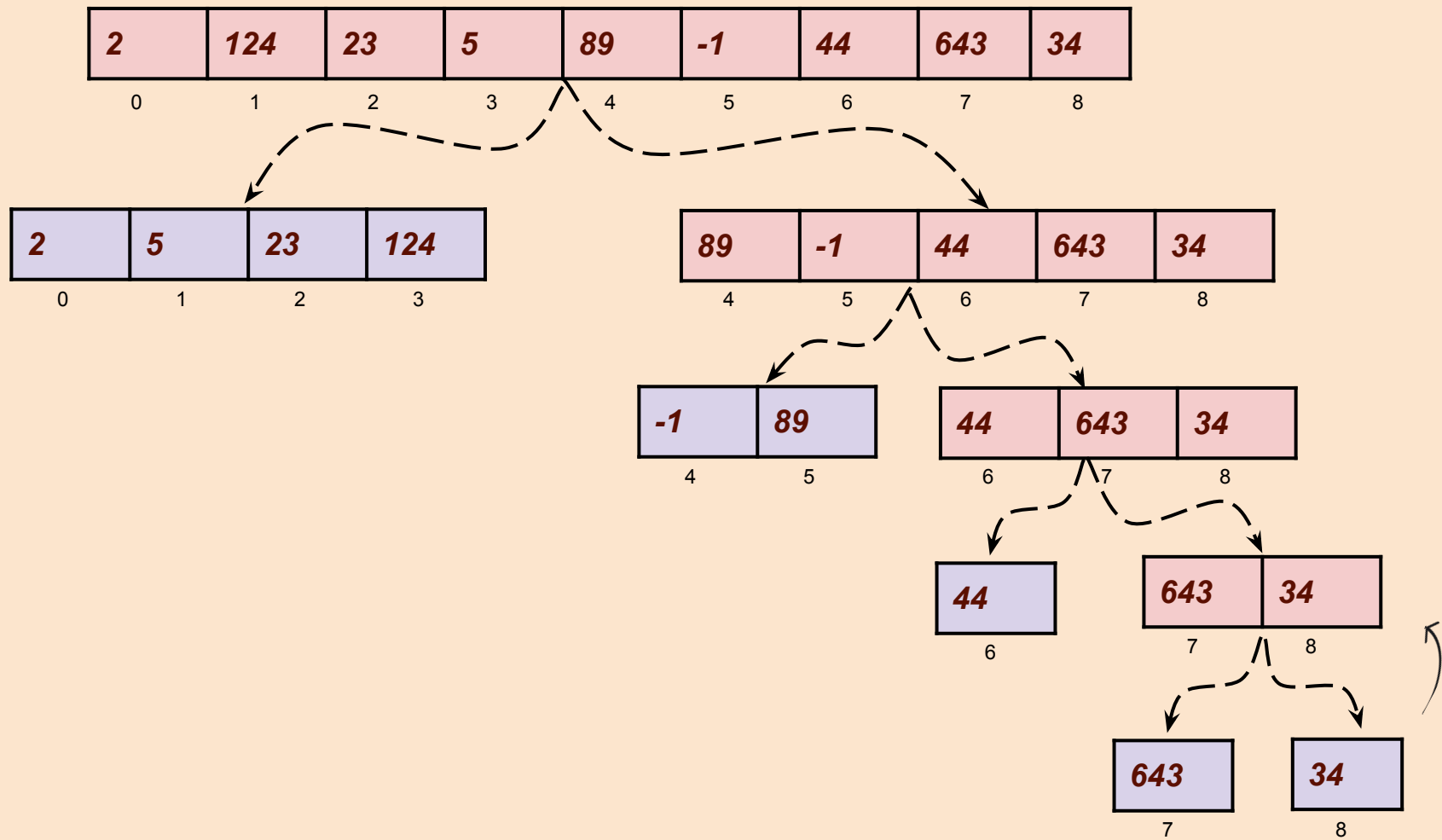


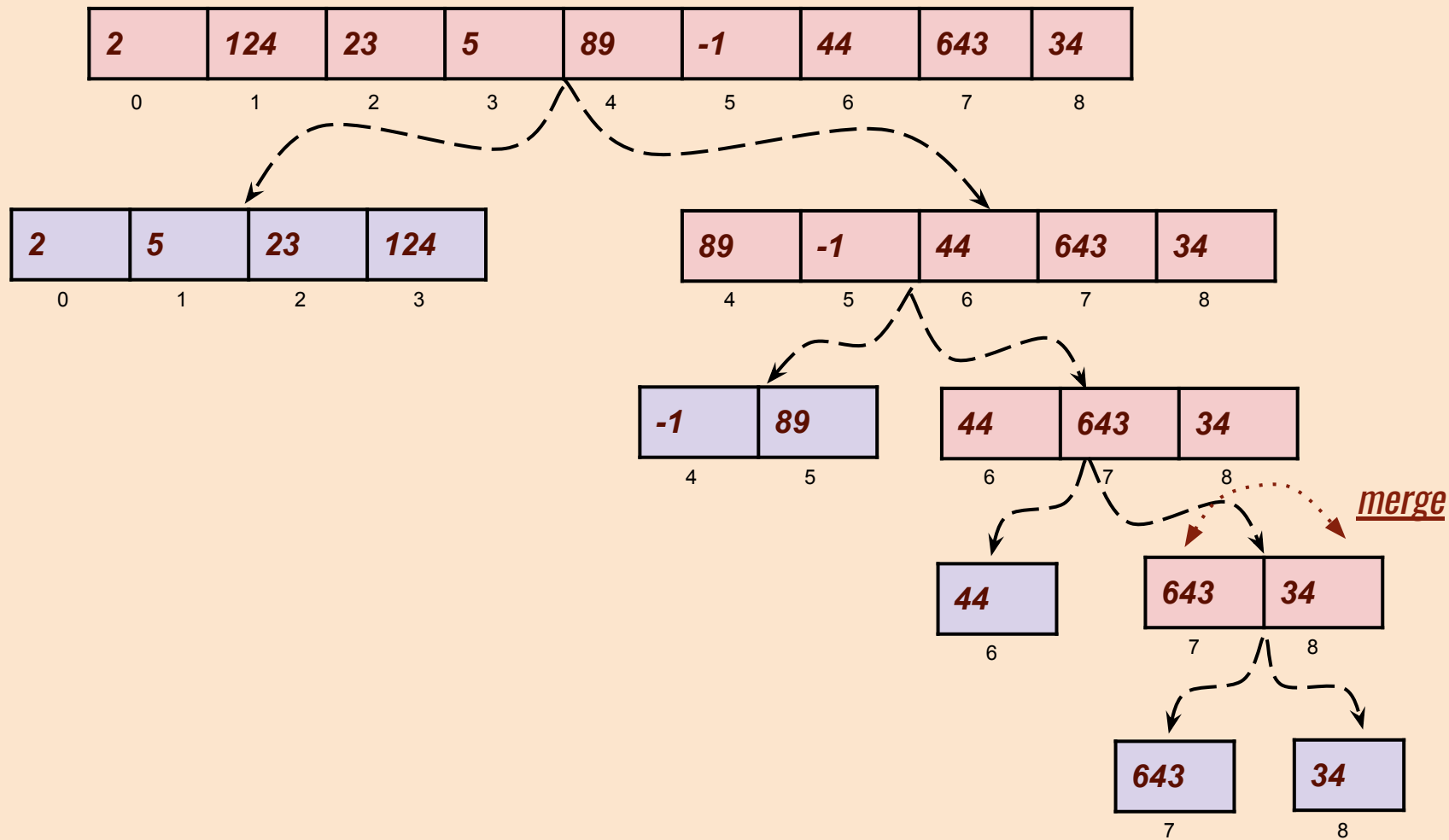




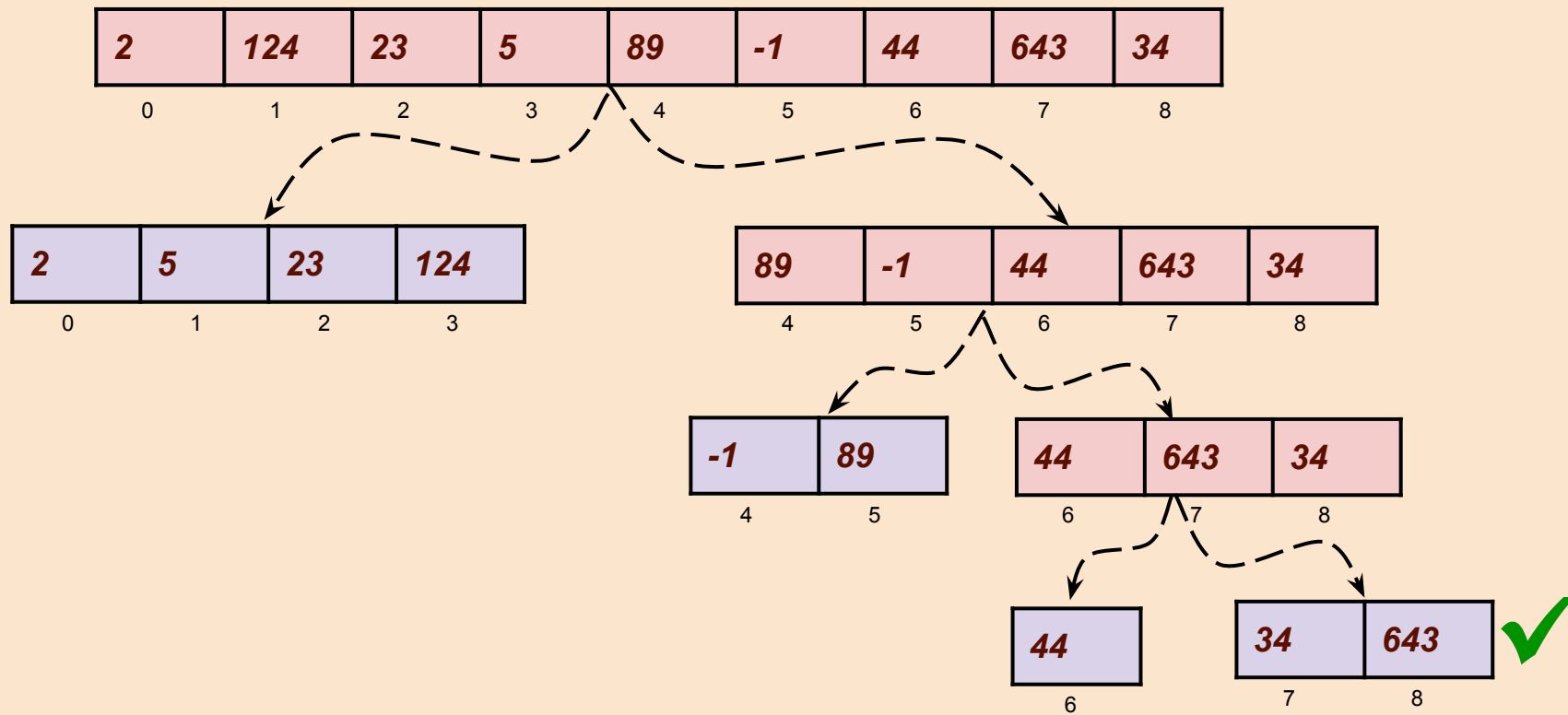


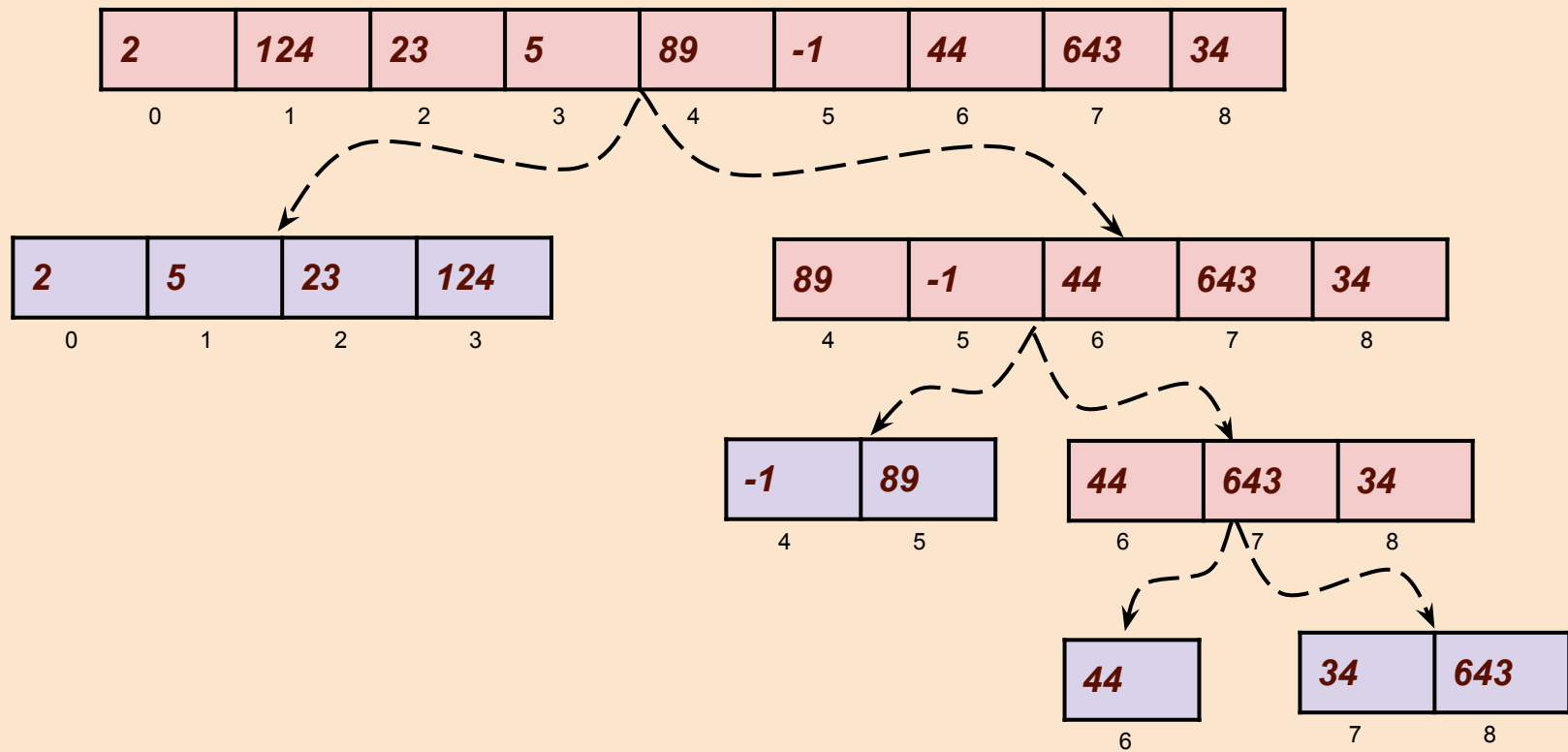


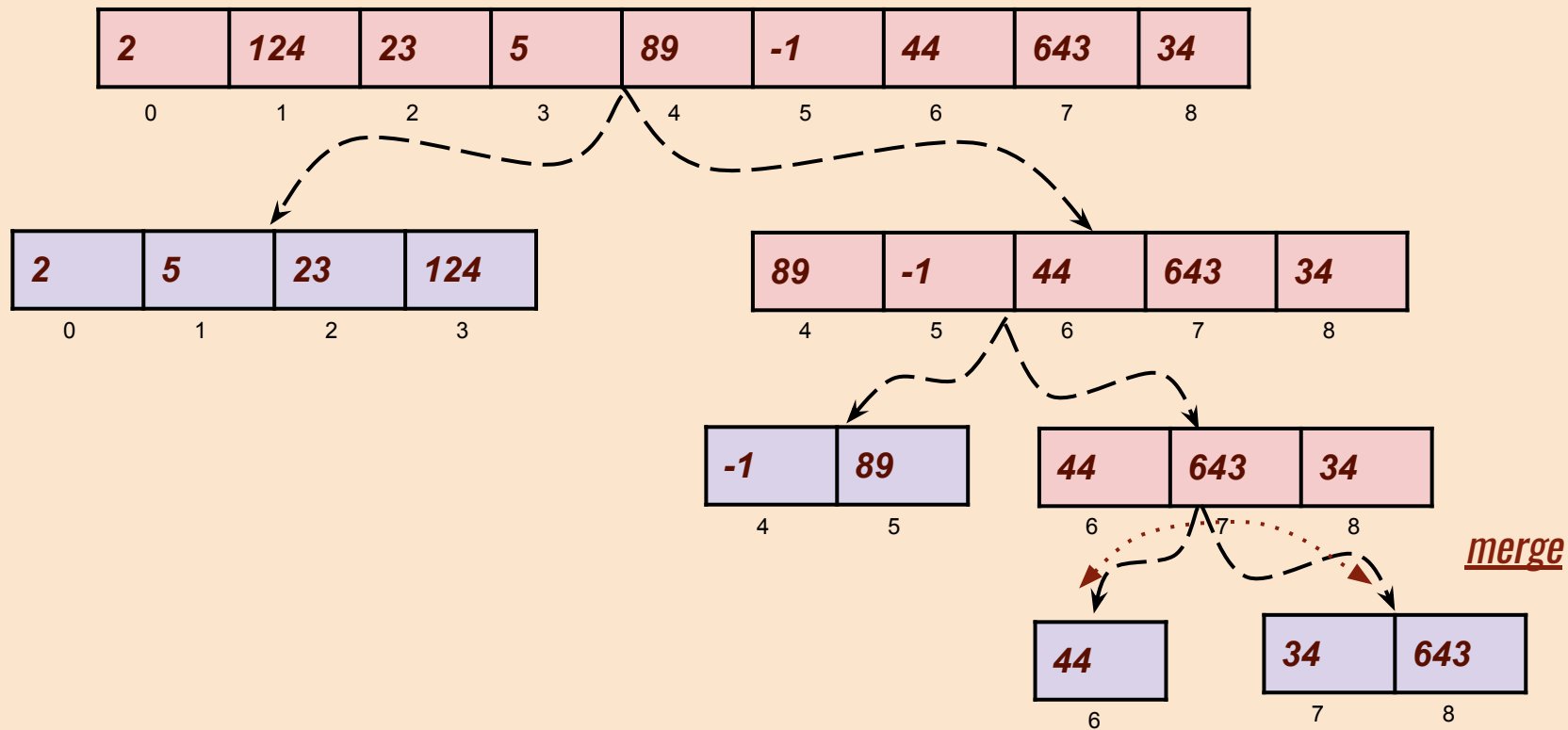


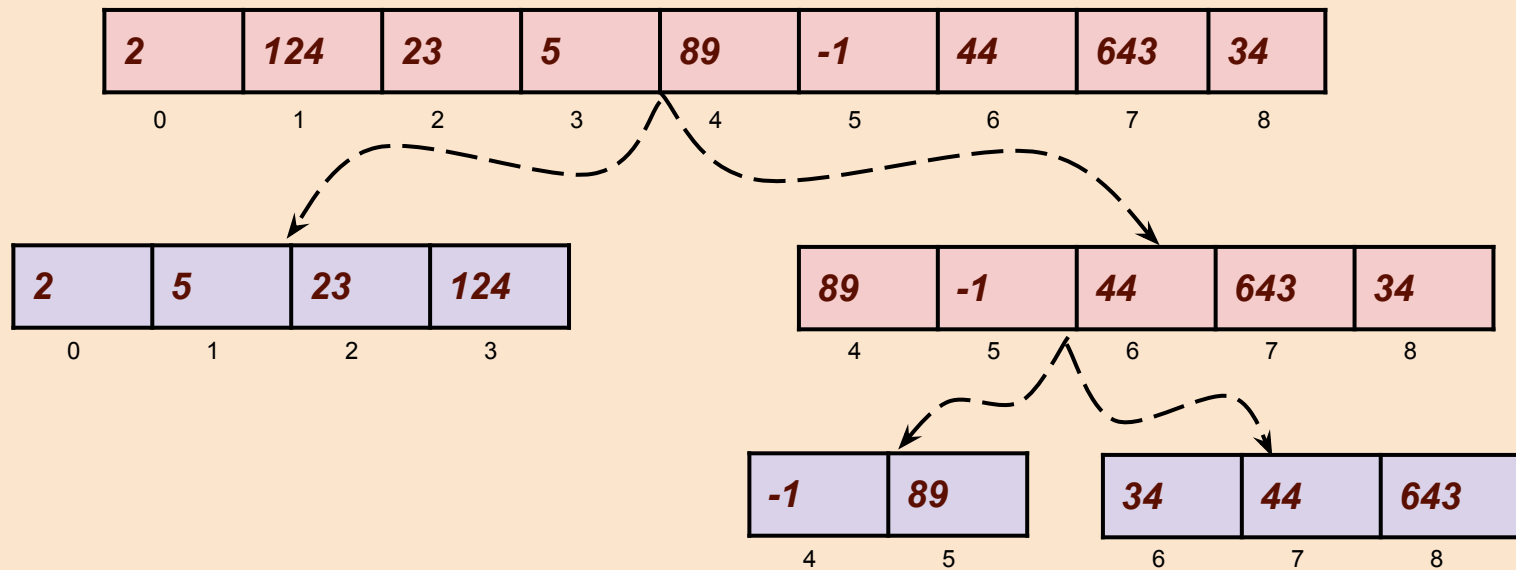


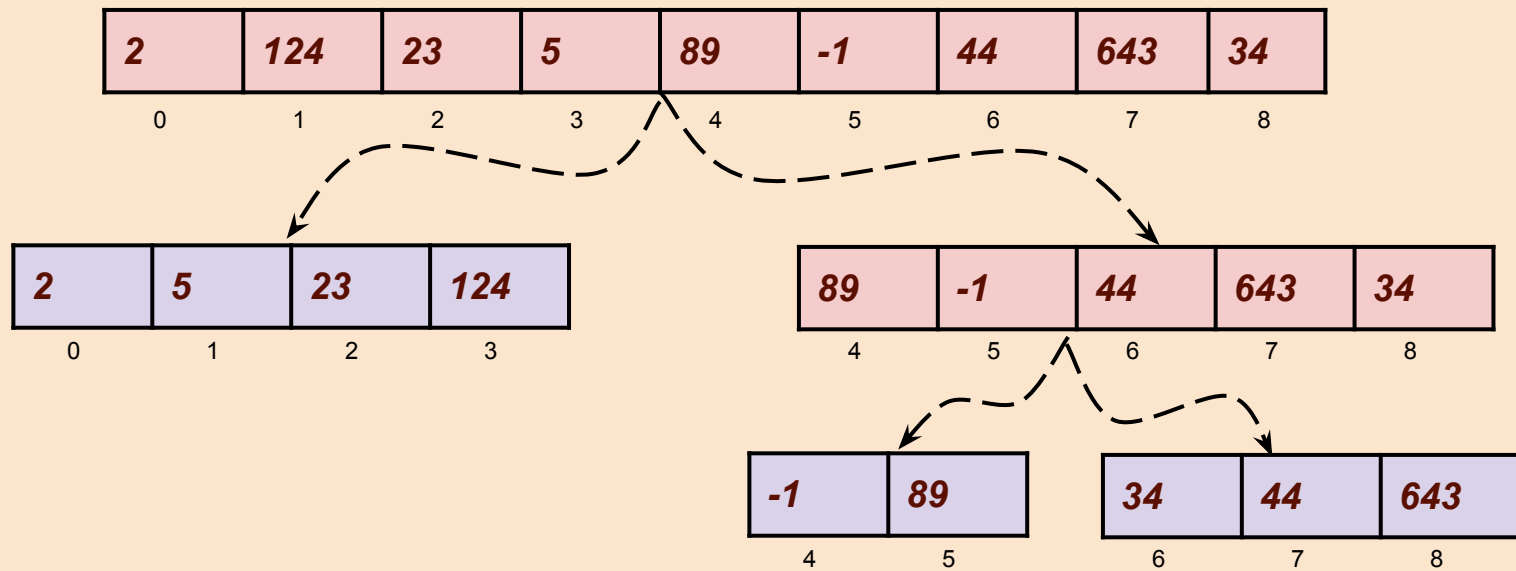


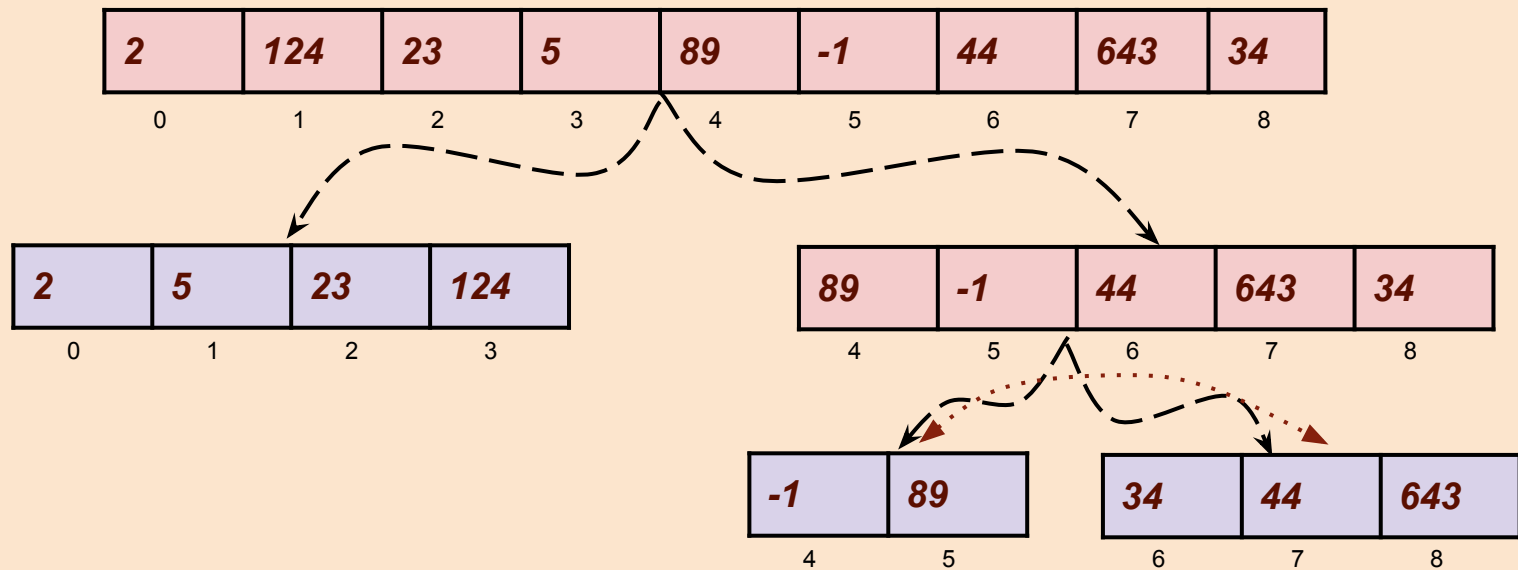




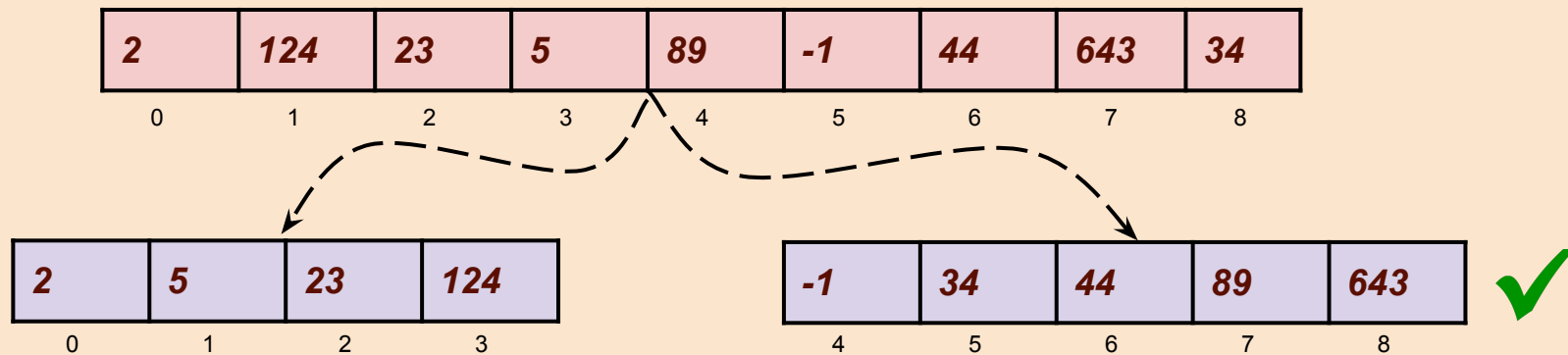


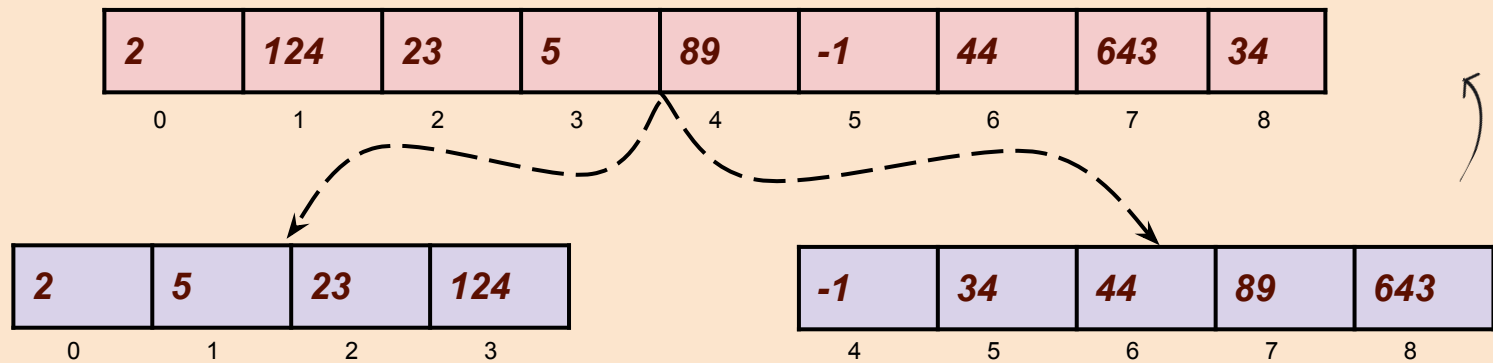




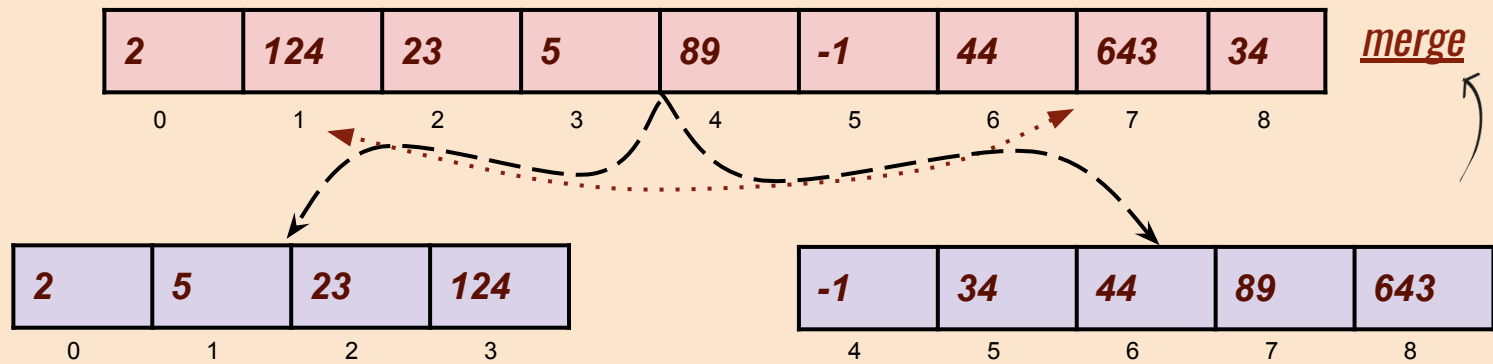


*merge*









<b><i>-1</i></b>	<b><i>2</i></b>	<b><i>5</i></b>	<b><i>23</i></b>	<b><i>34</i></b>	<b><i>44</i></b>	<b><i>89</i></b>	<b><i>124</i></b>	<b><i>643</i></b>
0	1	2	3	4	5	6	7	8

<b>-1</b>	<b>2</b>	<b>5</b>	<b>23</b>	<b>34</b>	<b>44</b>	<b>89</b>	<b>124</b>	<b>643</b>
0	1	2	3	4	5	6	7	8



¿Preguntas?

**FIN**