

# **SORTS: Merge sort**

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

**Curso Mariano Méndez**

<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

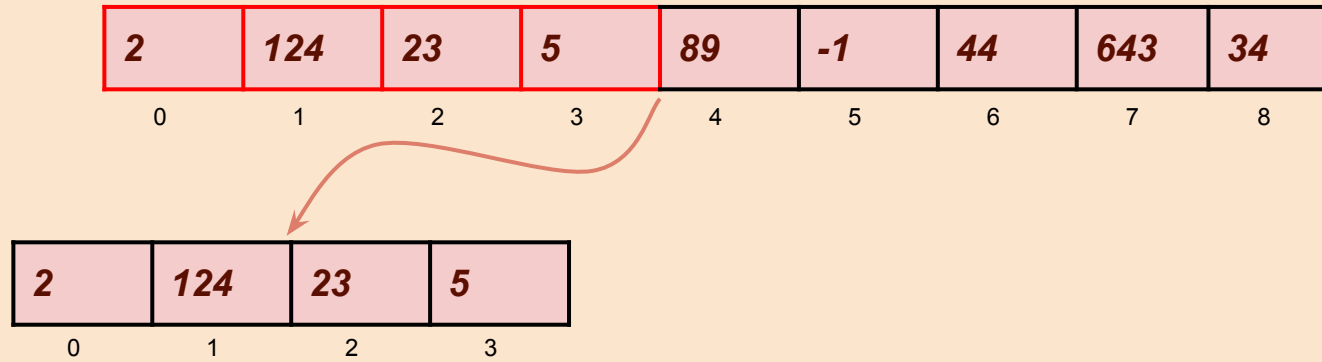
# Merge Sort

<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

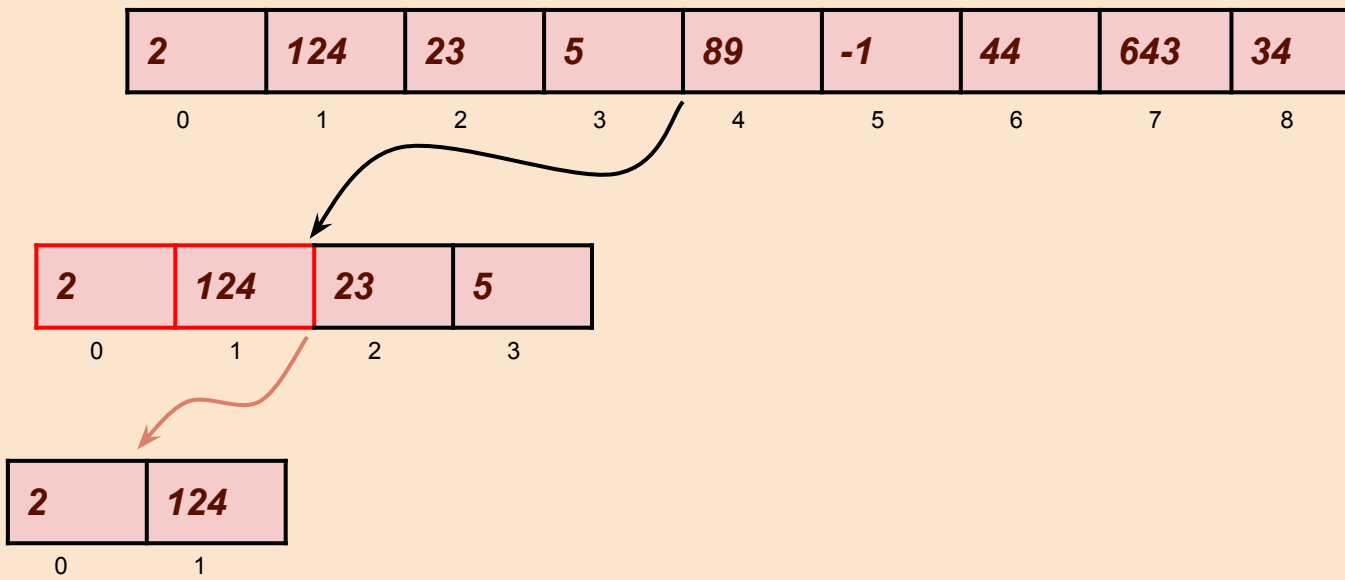
Buscamos ordenar el vector de **menor a mayor**

- Divido a la mitad
- Me llamo con la mitad izquierda
- Me llamo con la mitad derecha
- Merge

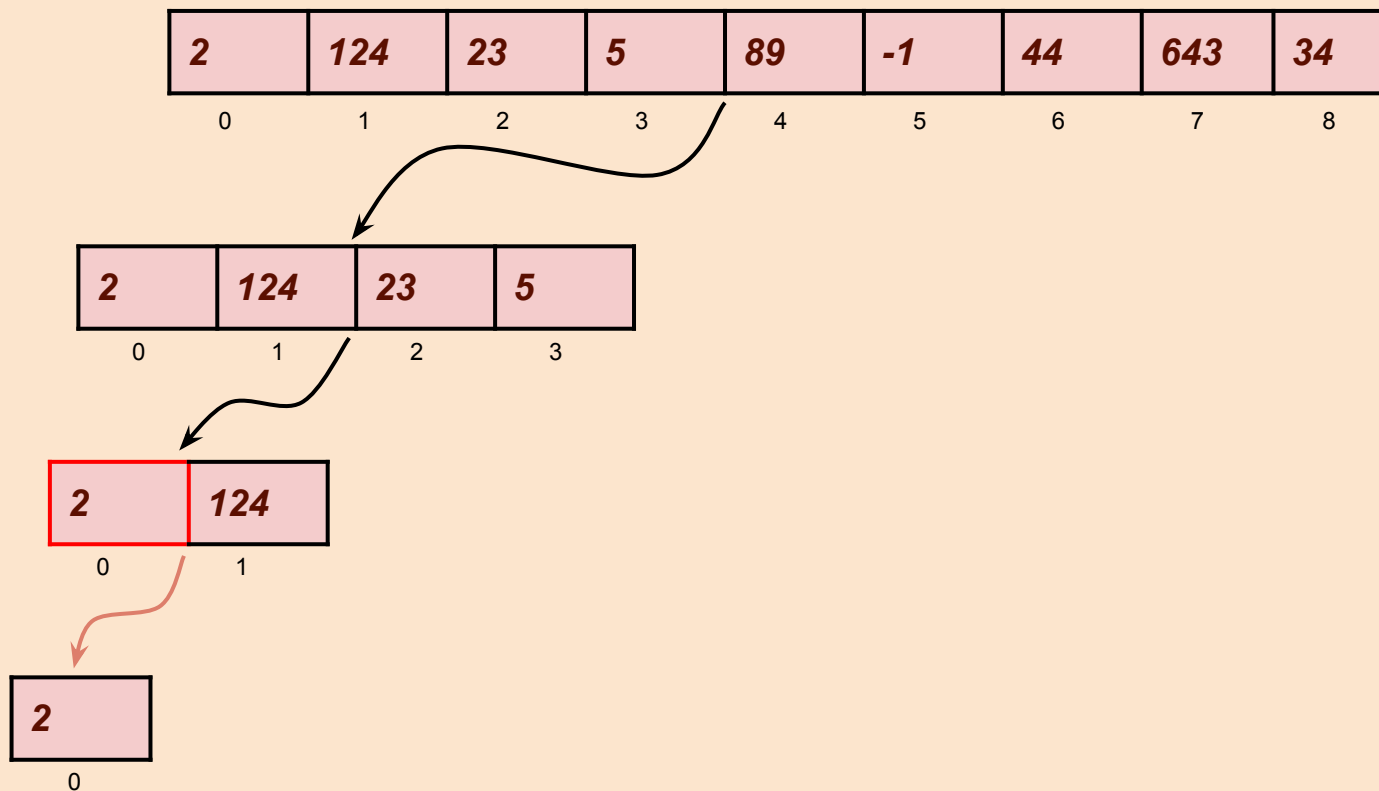
# Merge Sort



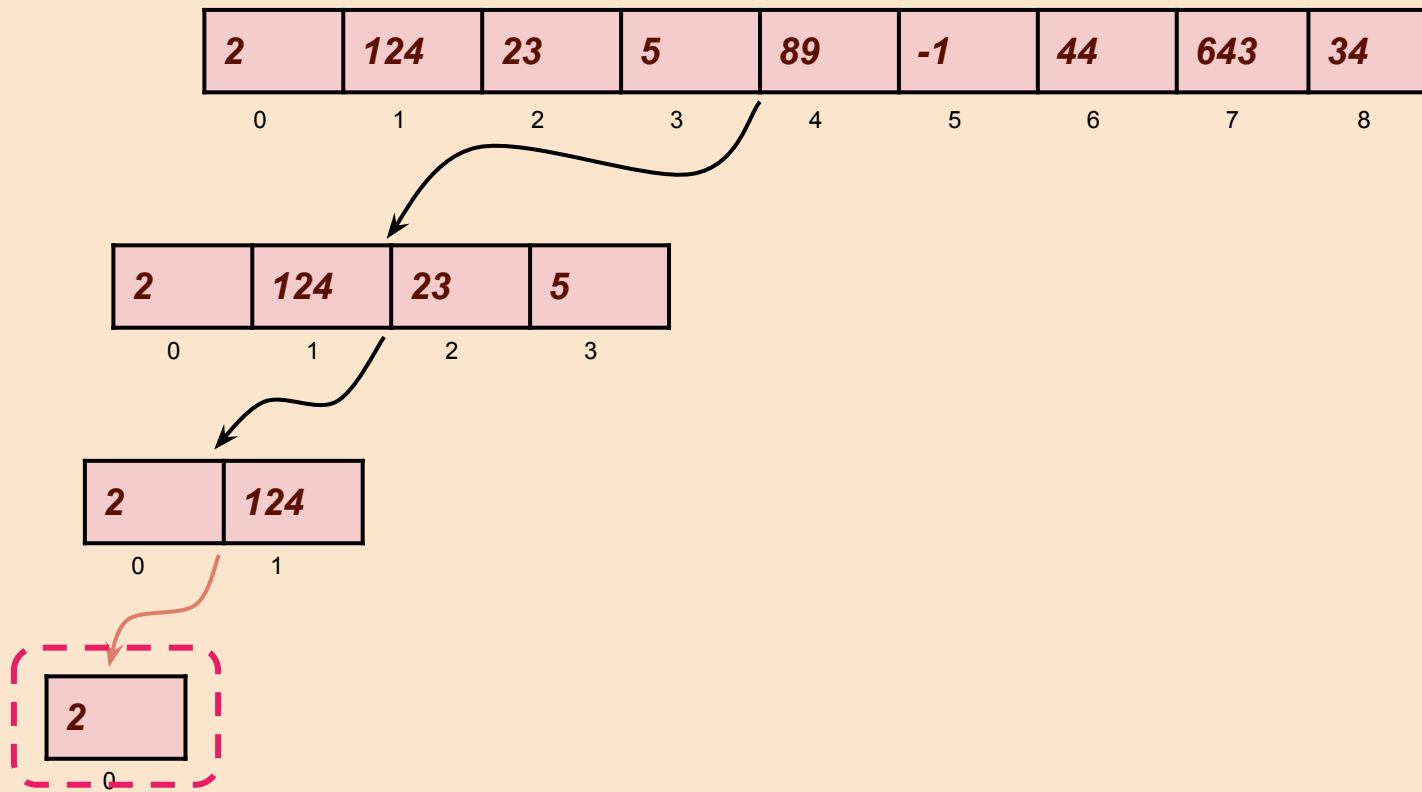
# Merge Sort



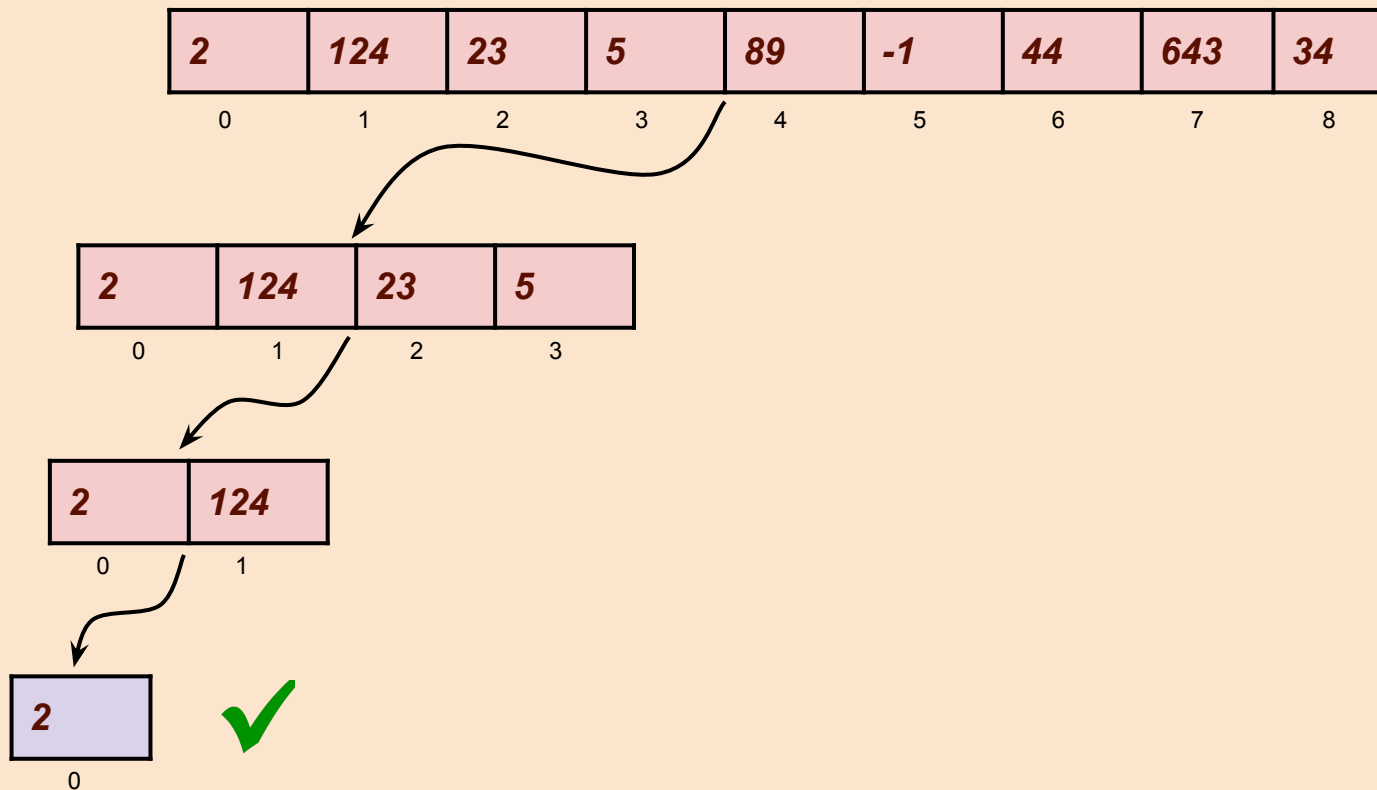
# Merge Sort



# Merge Sort

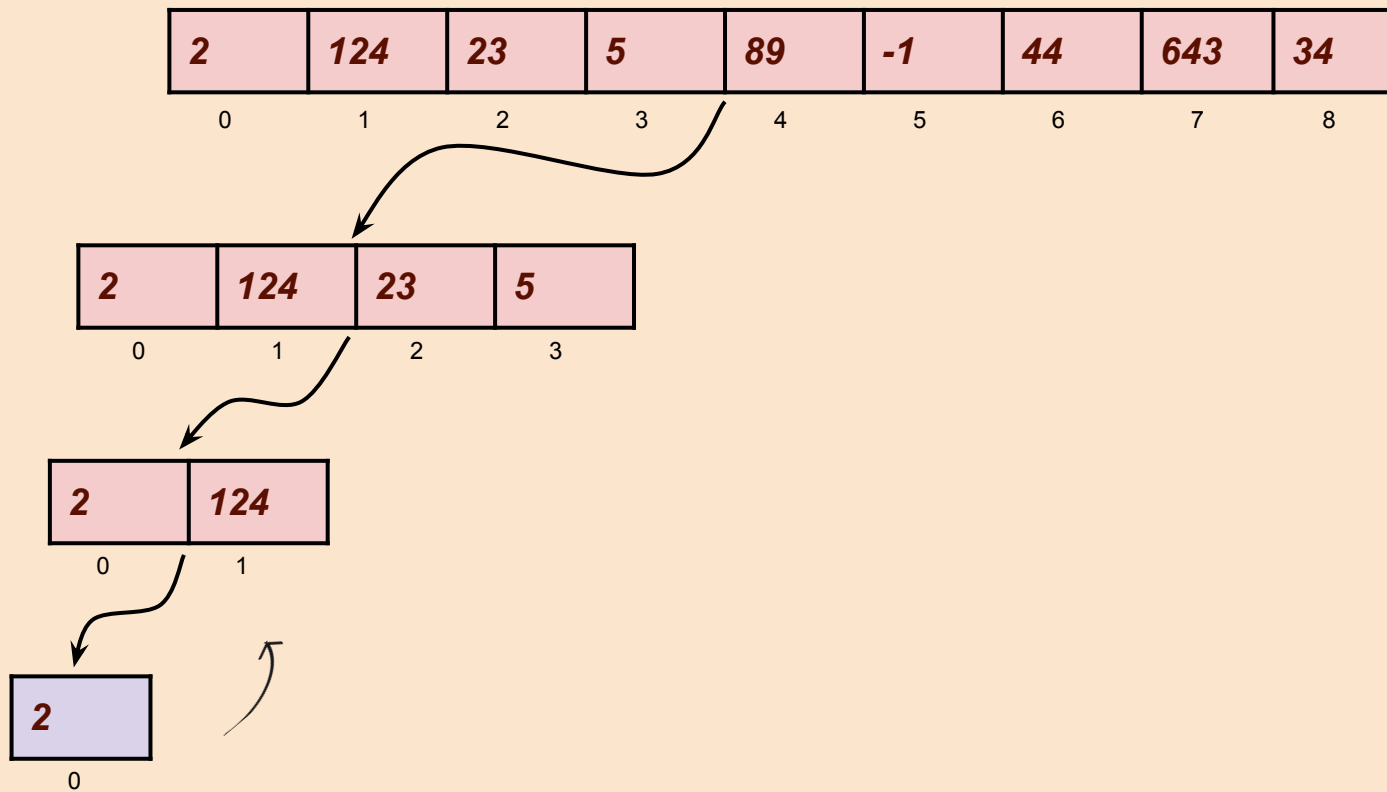


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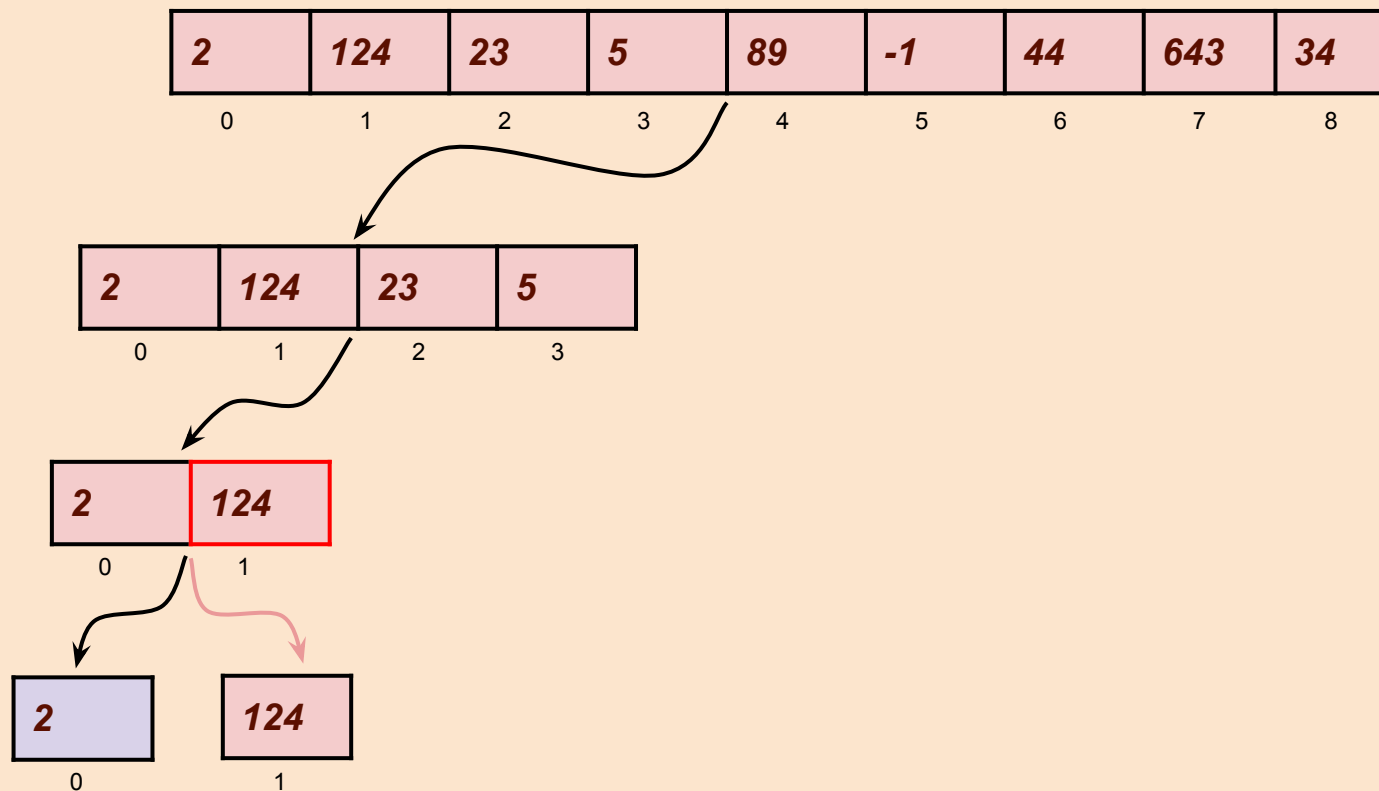


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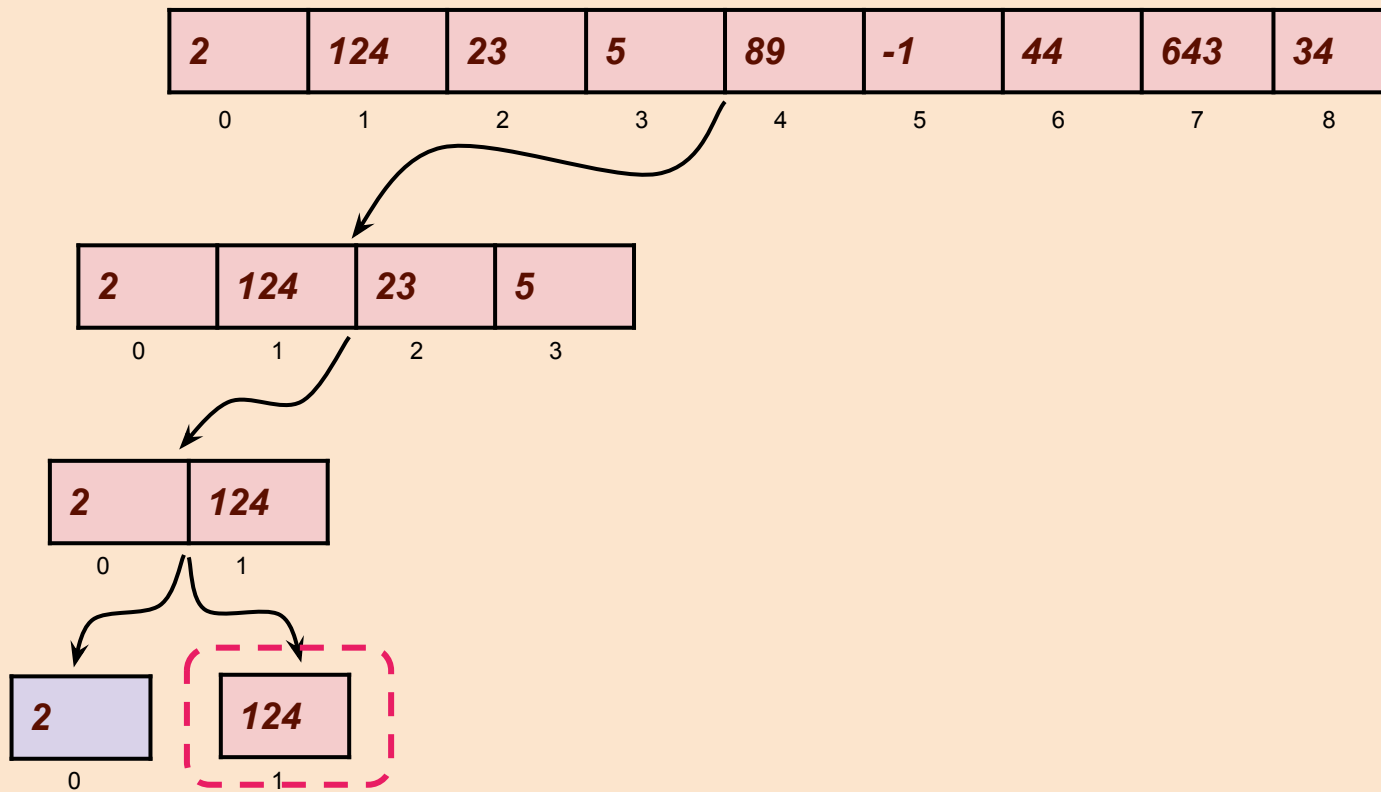




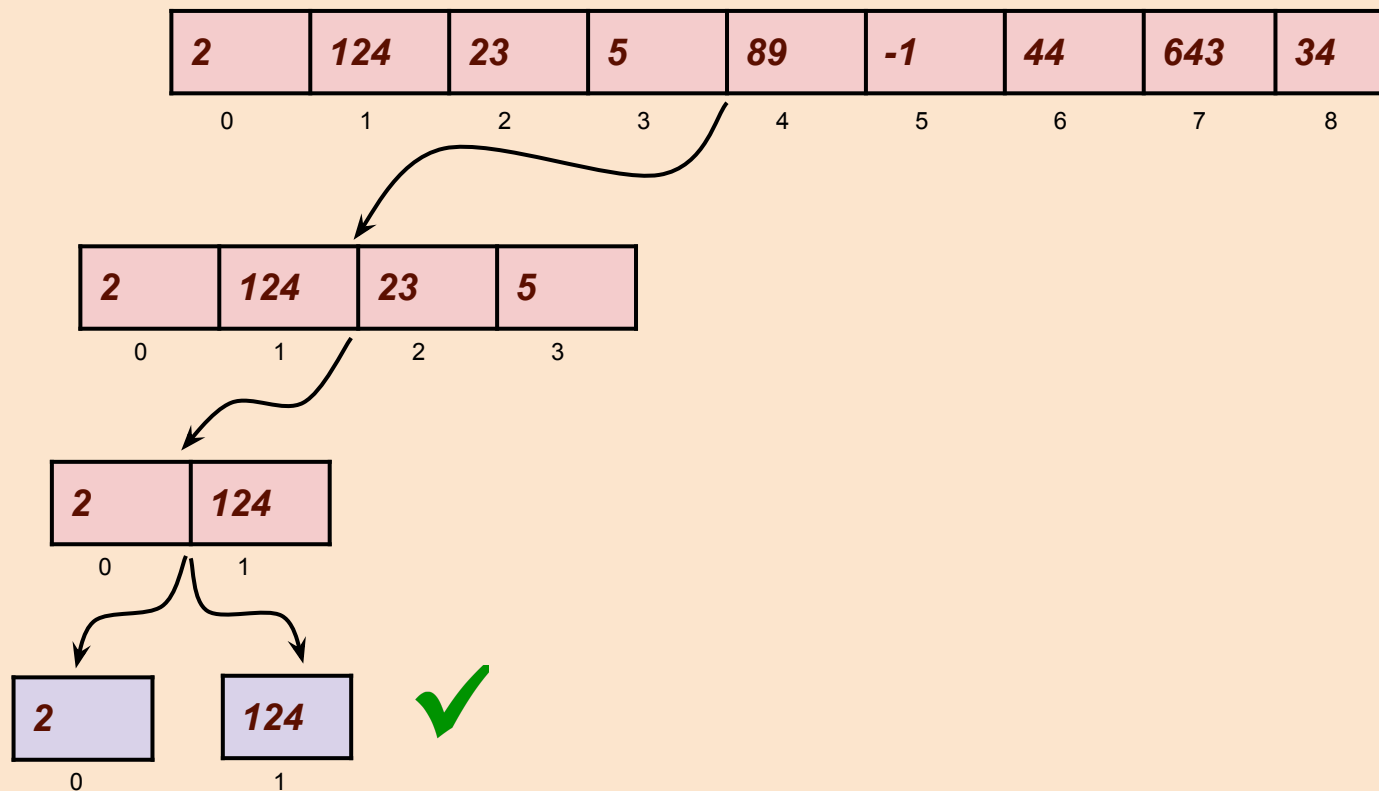
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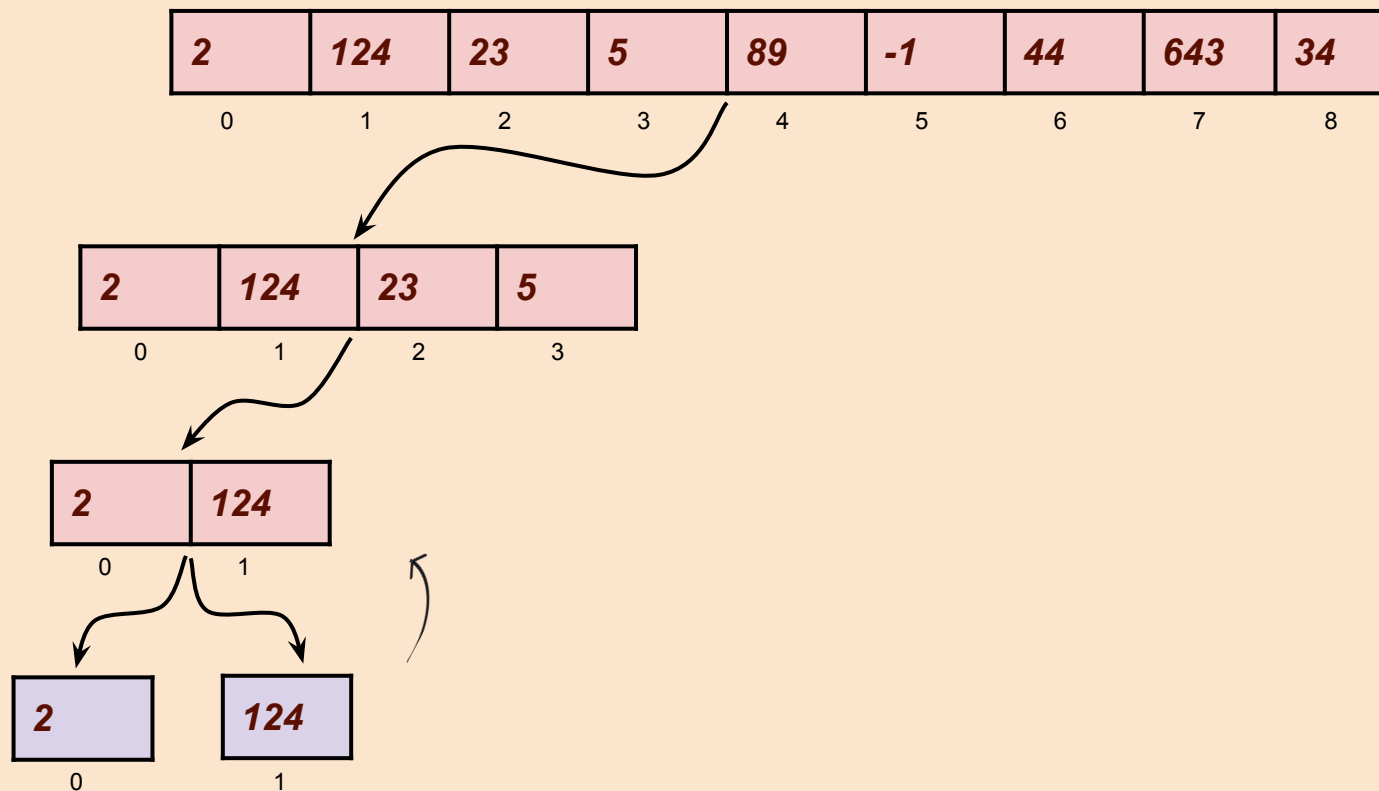
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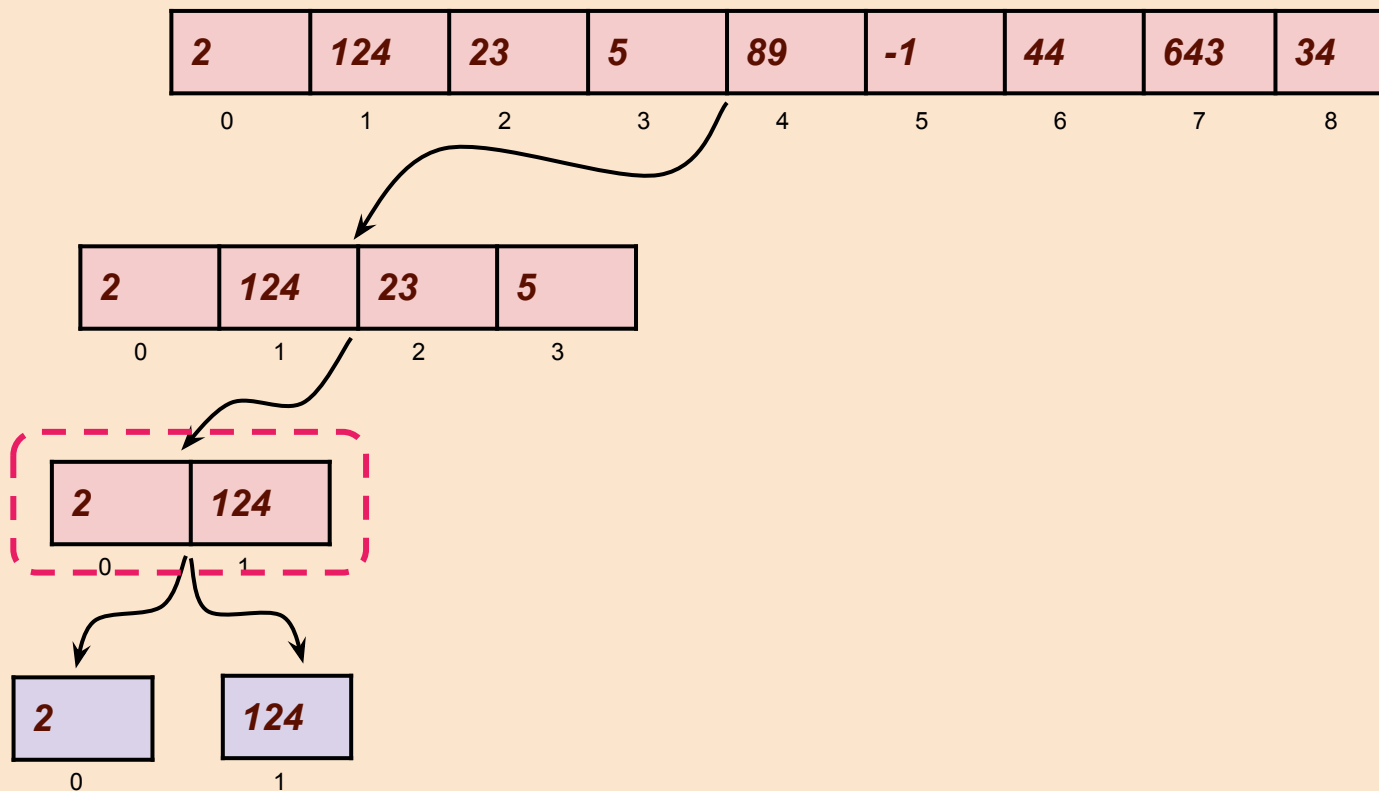
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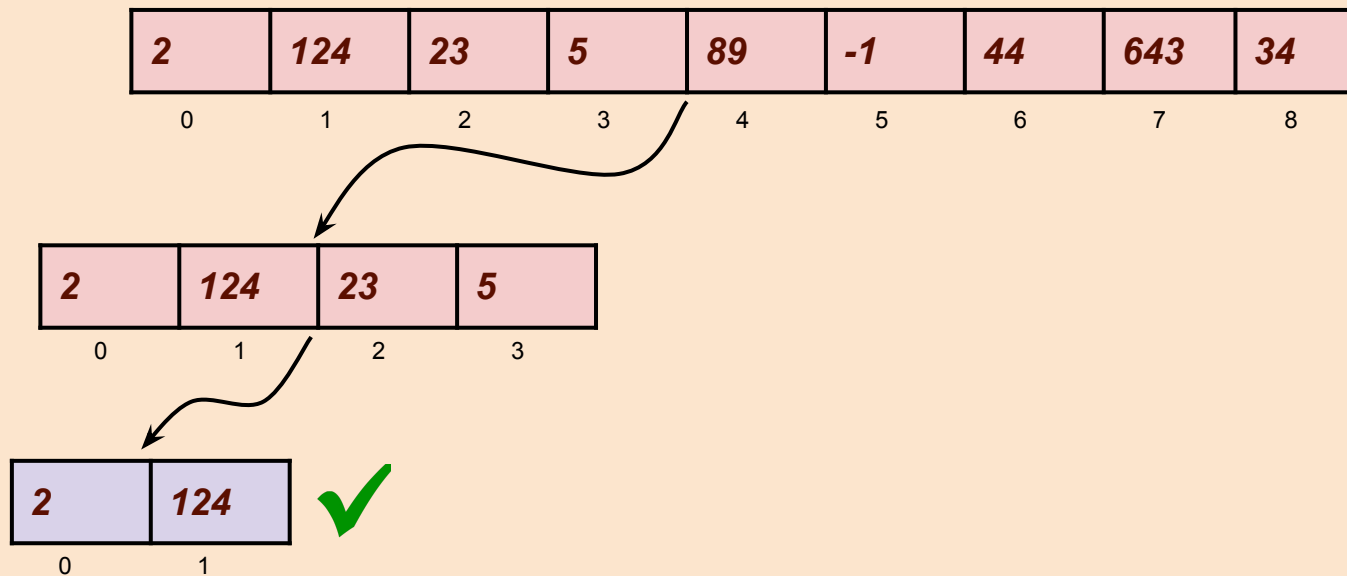
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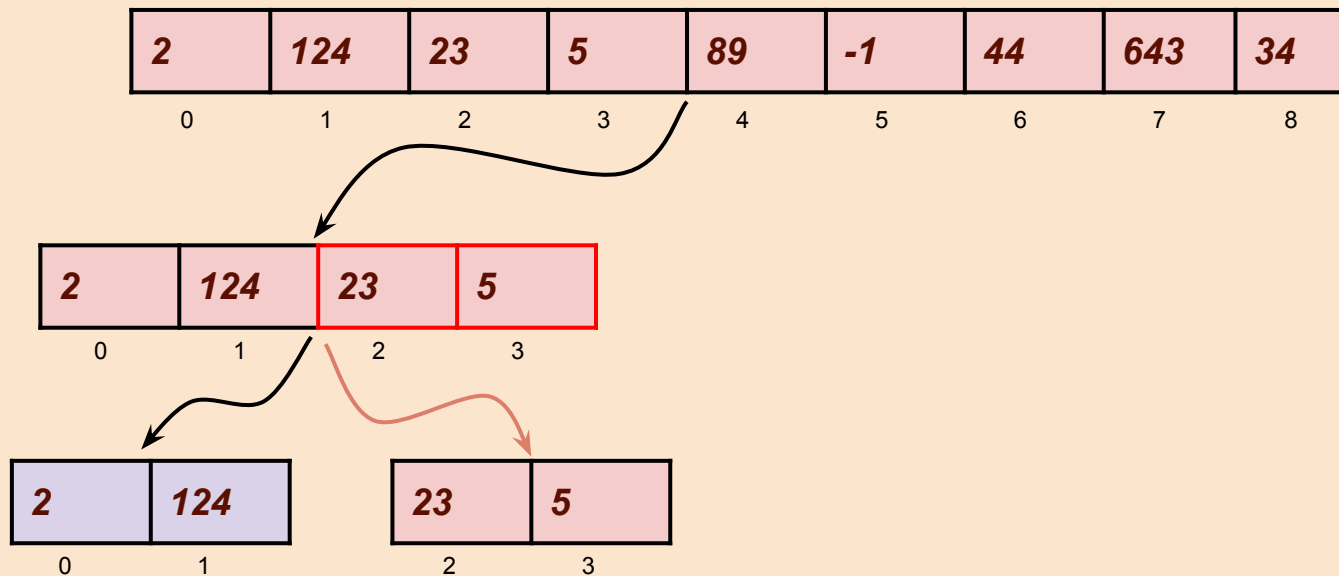
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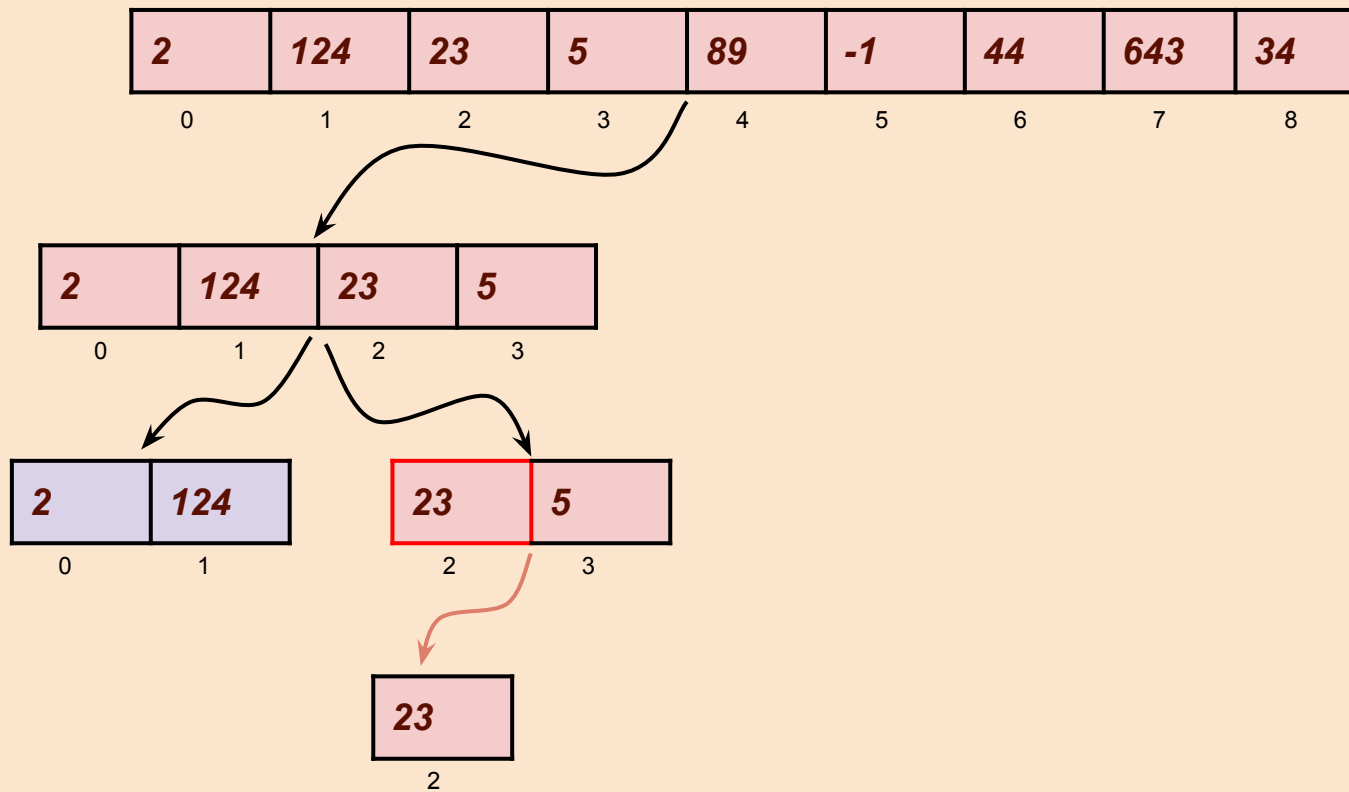


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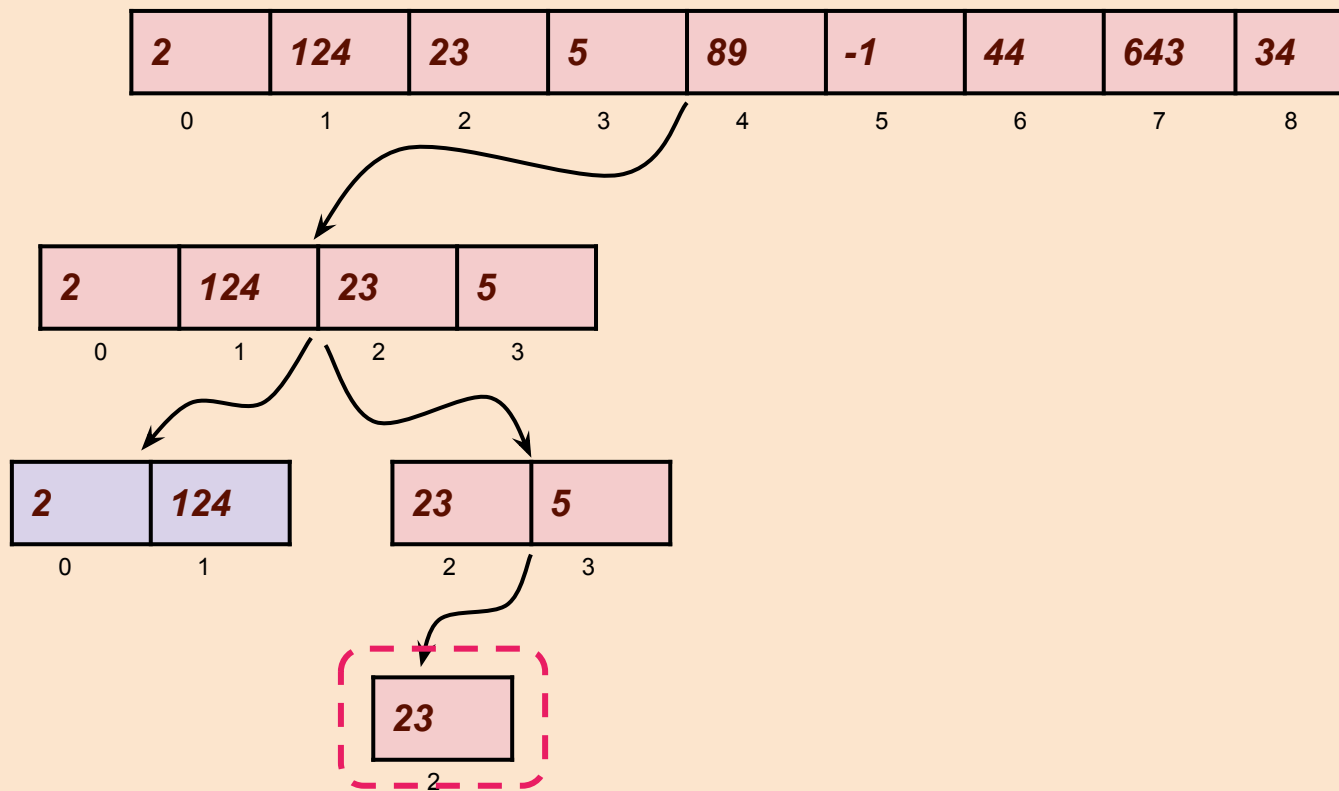


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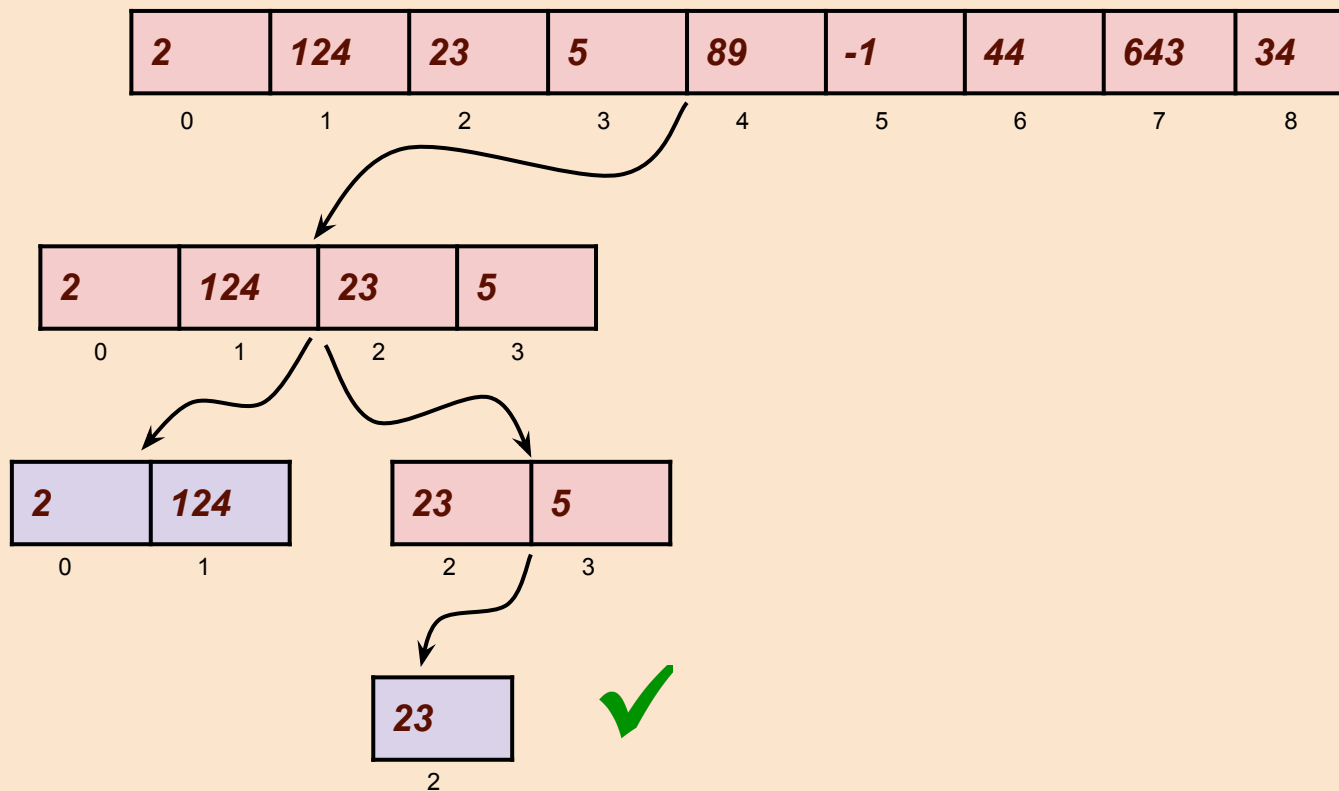




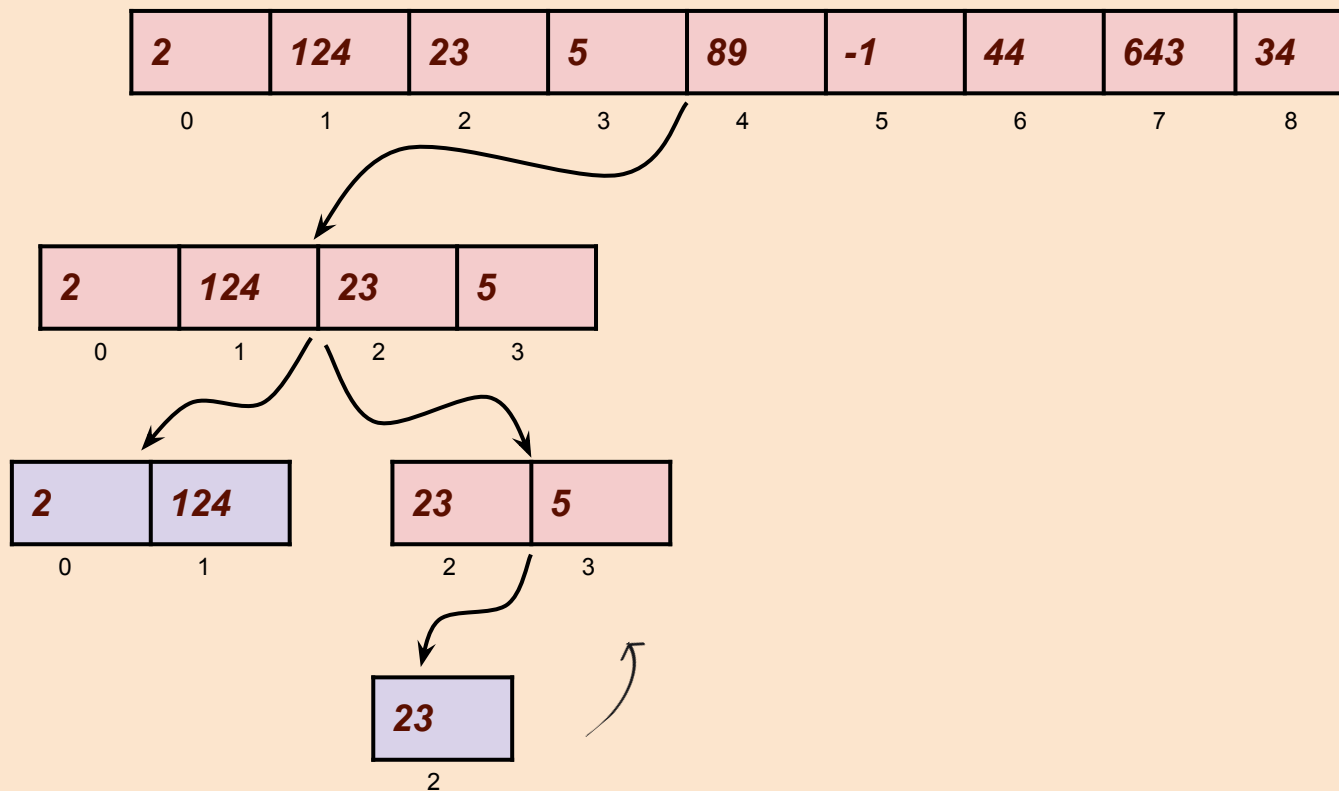
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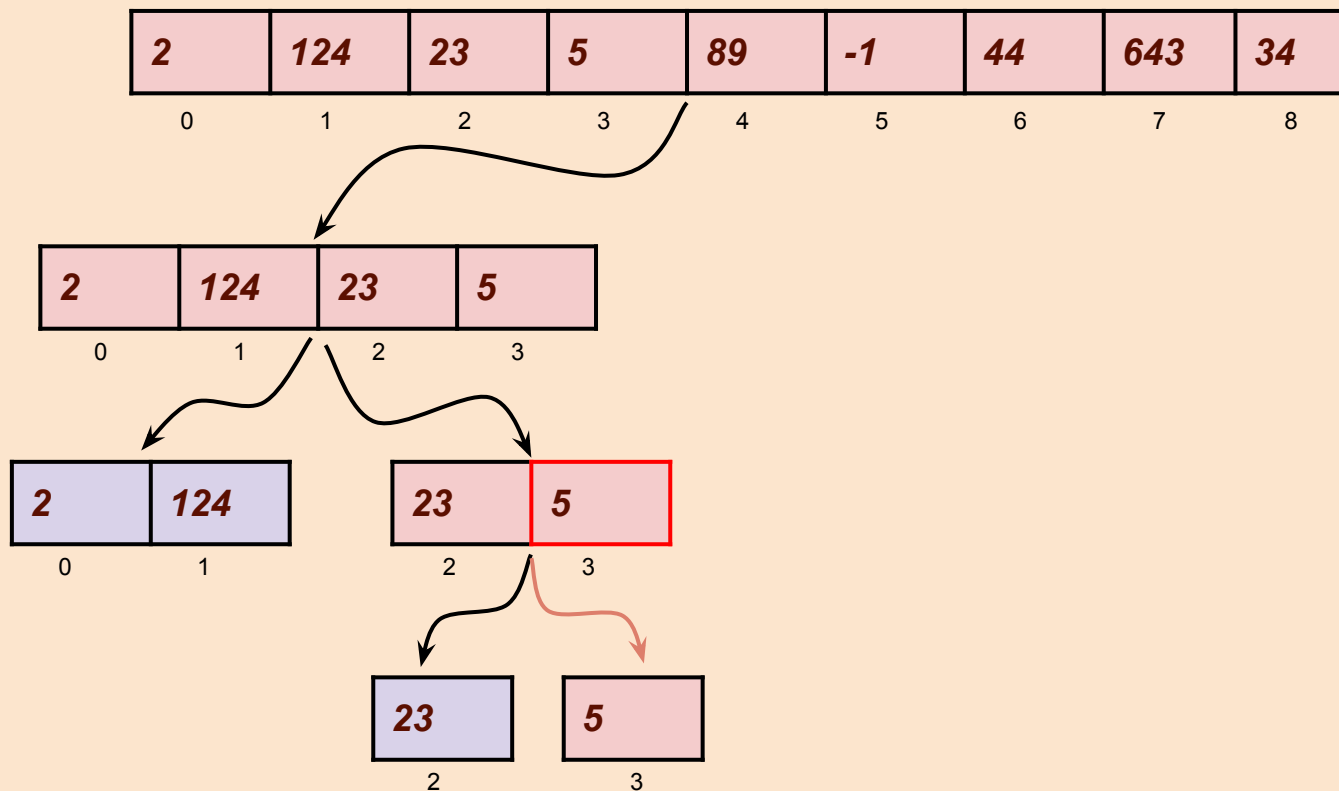
# Merge Sort



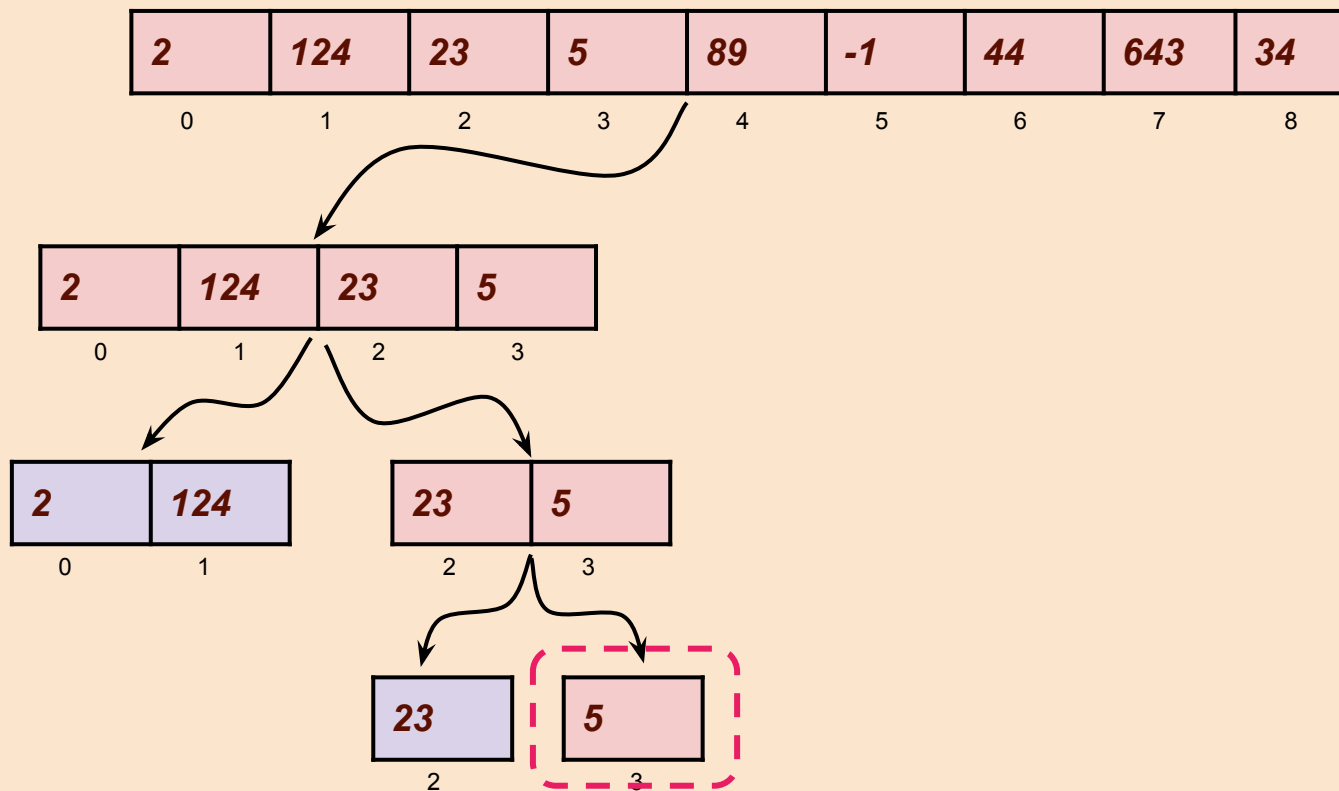
# Merge Sort



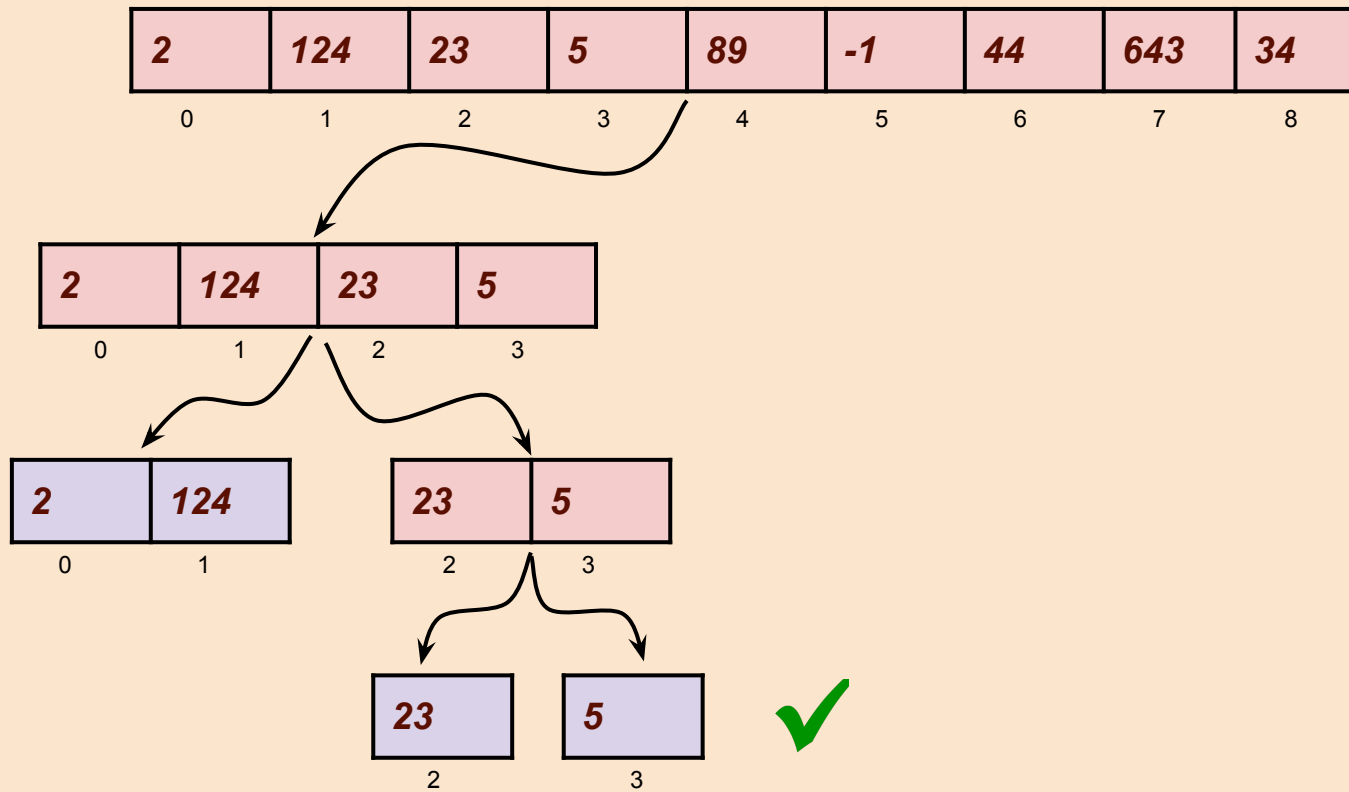
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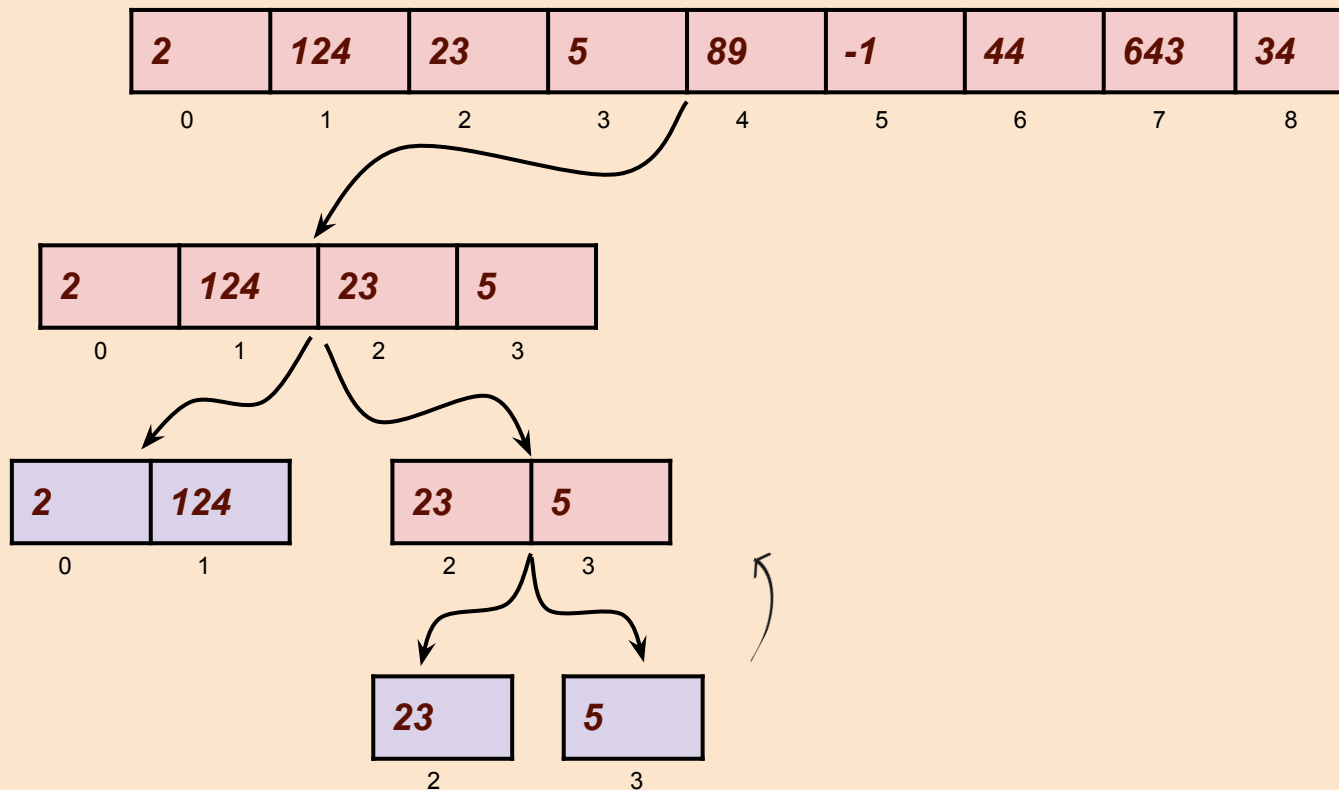
# Merge Sort



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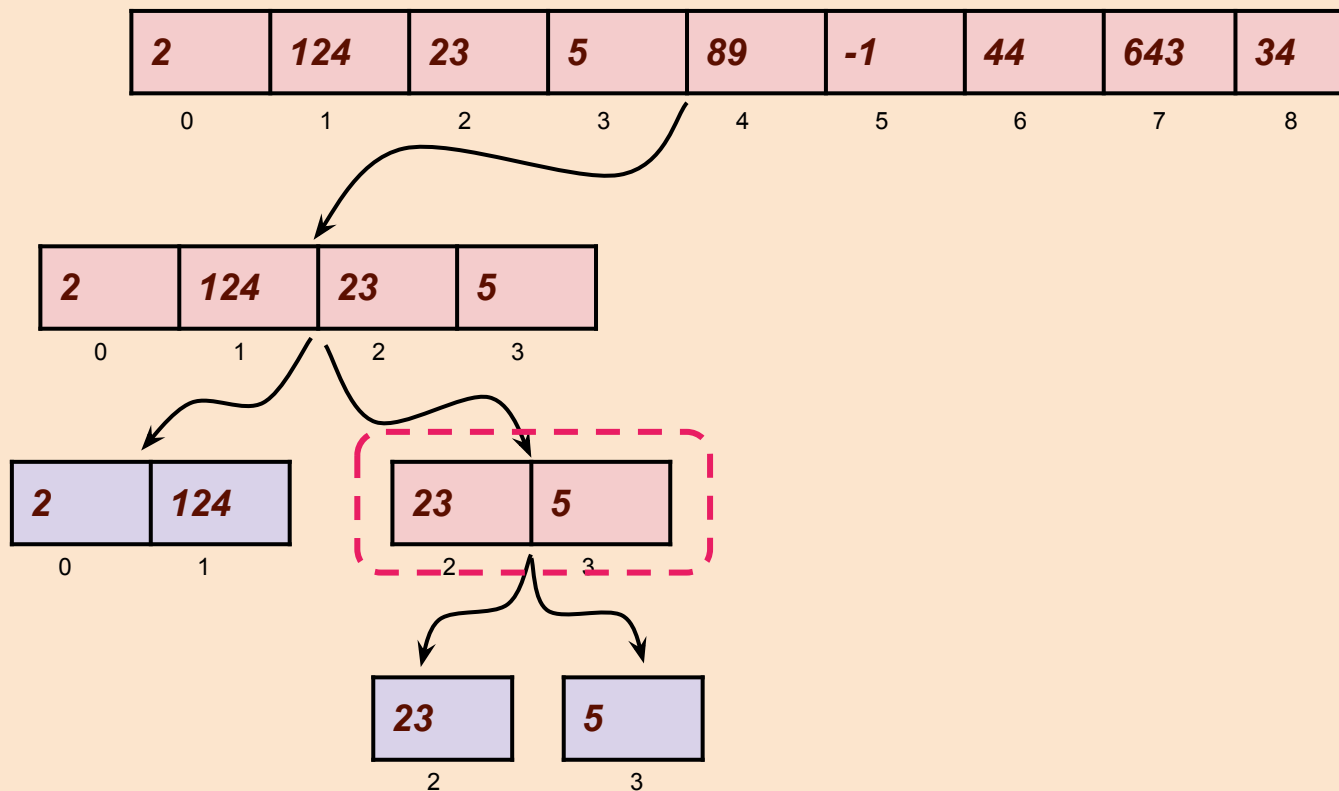


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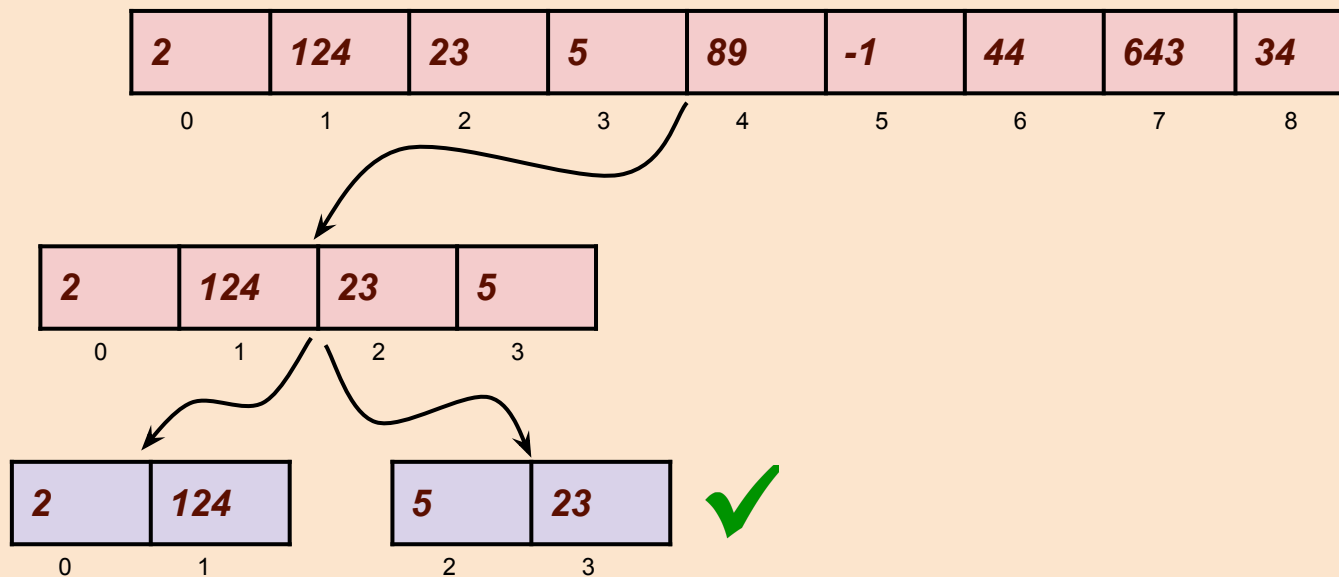


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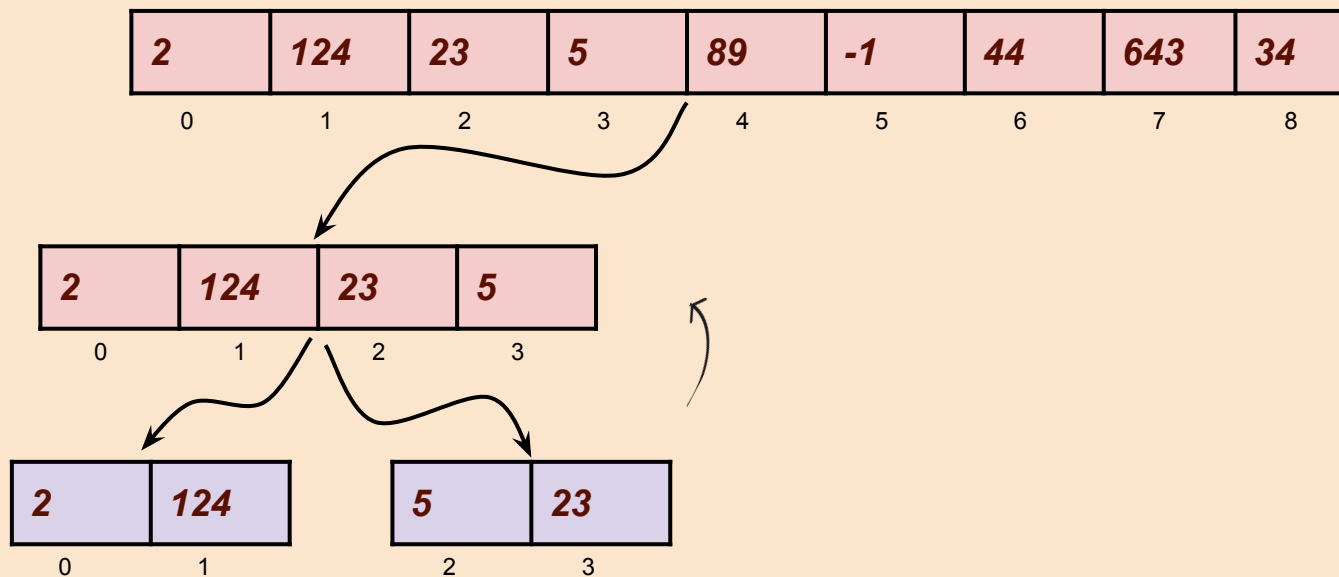




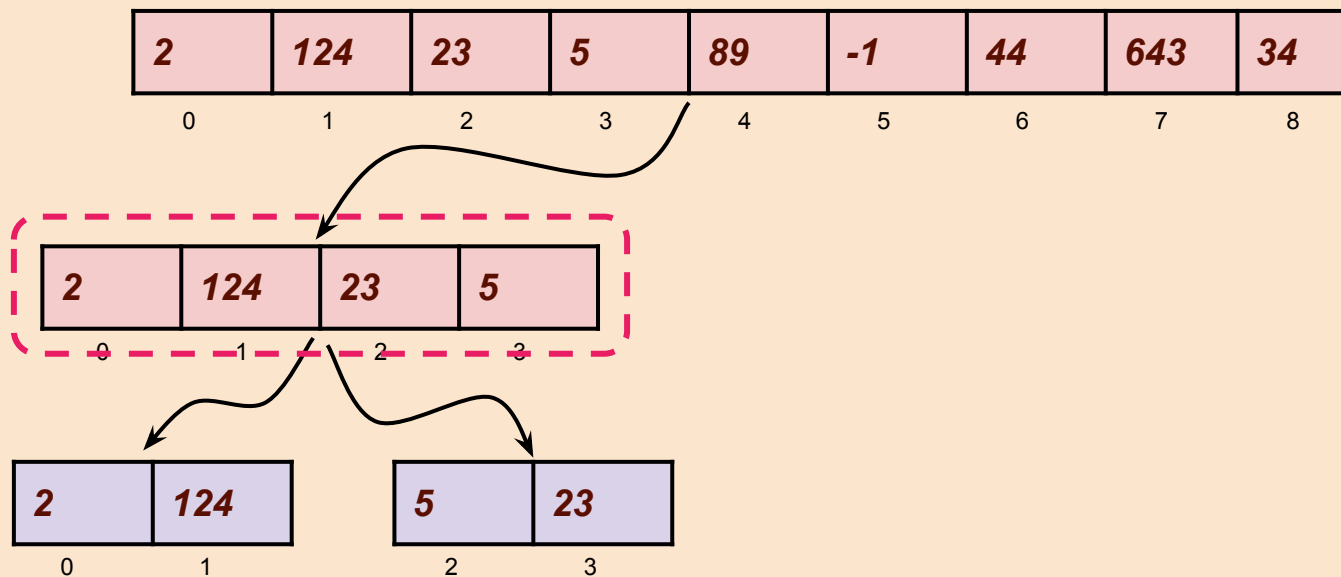
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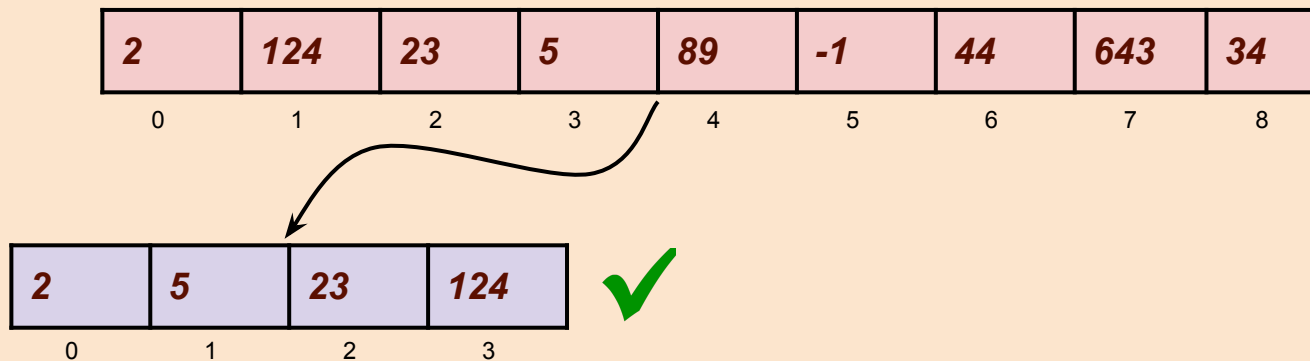
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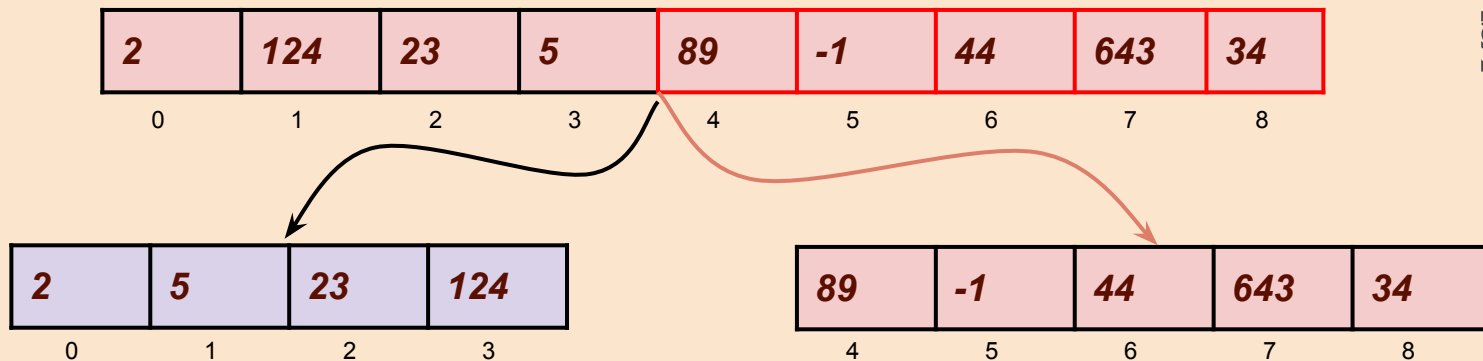
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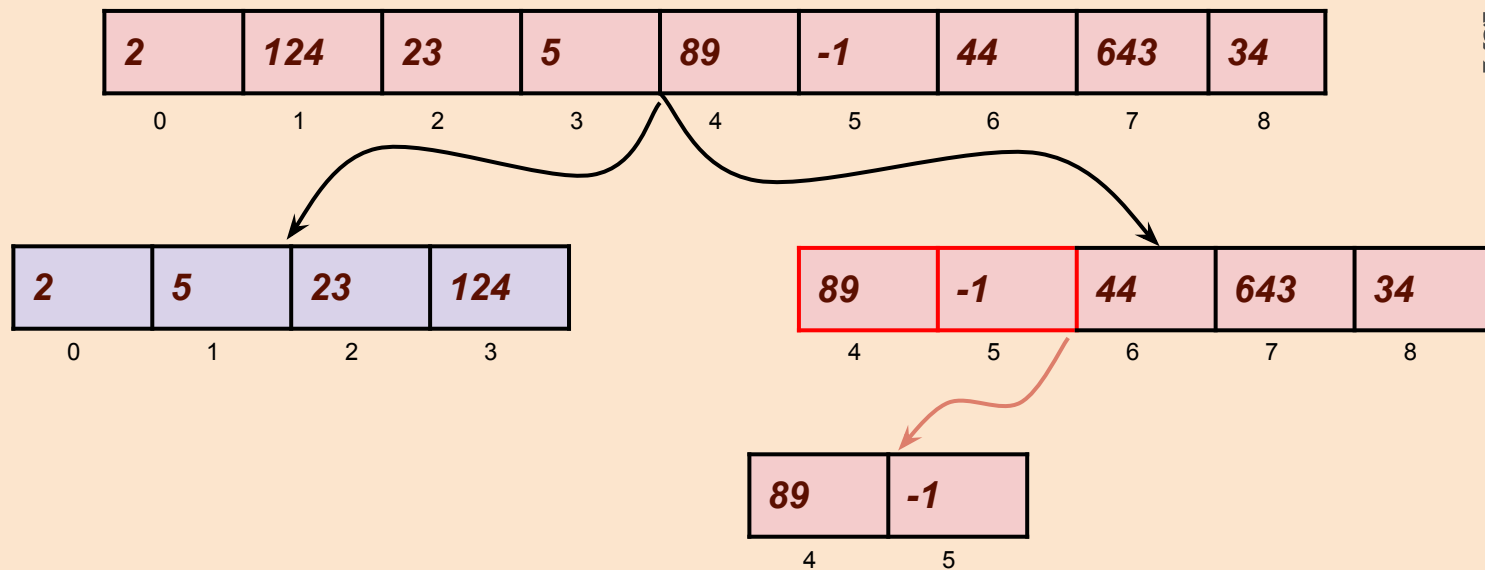
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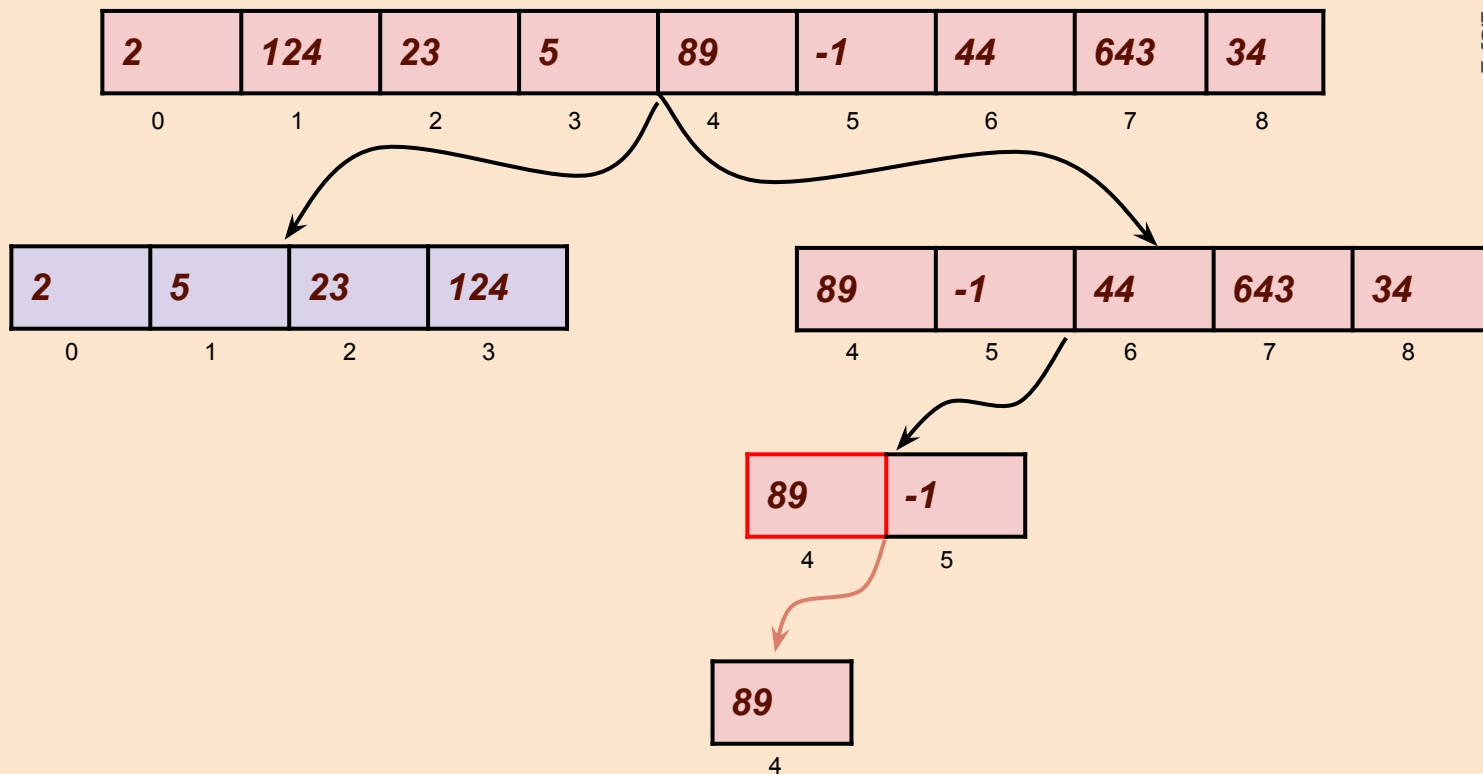
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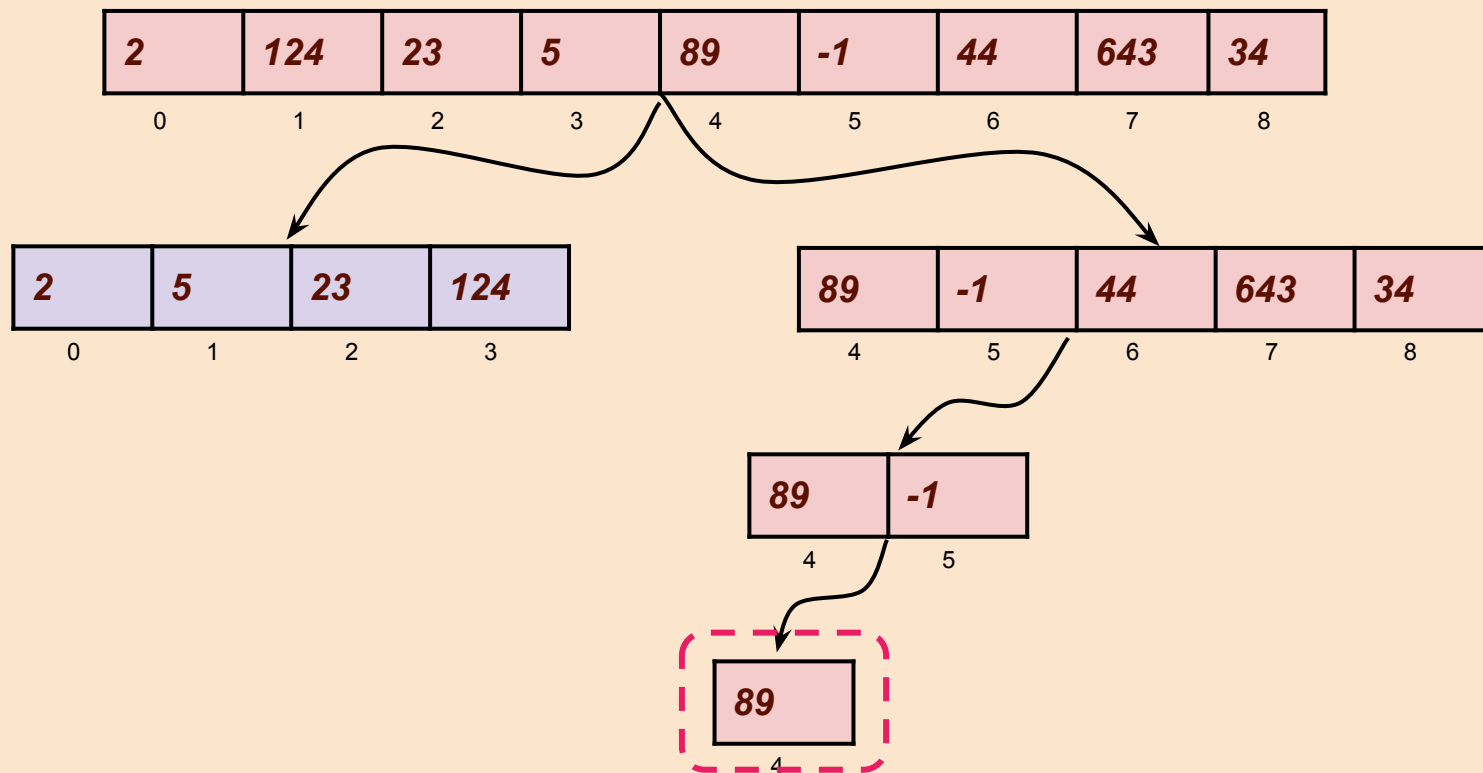


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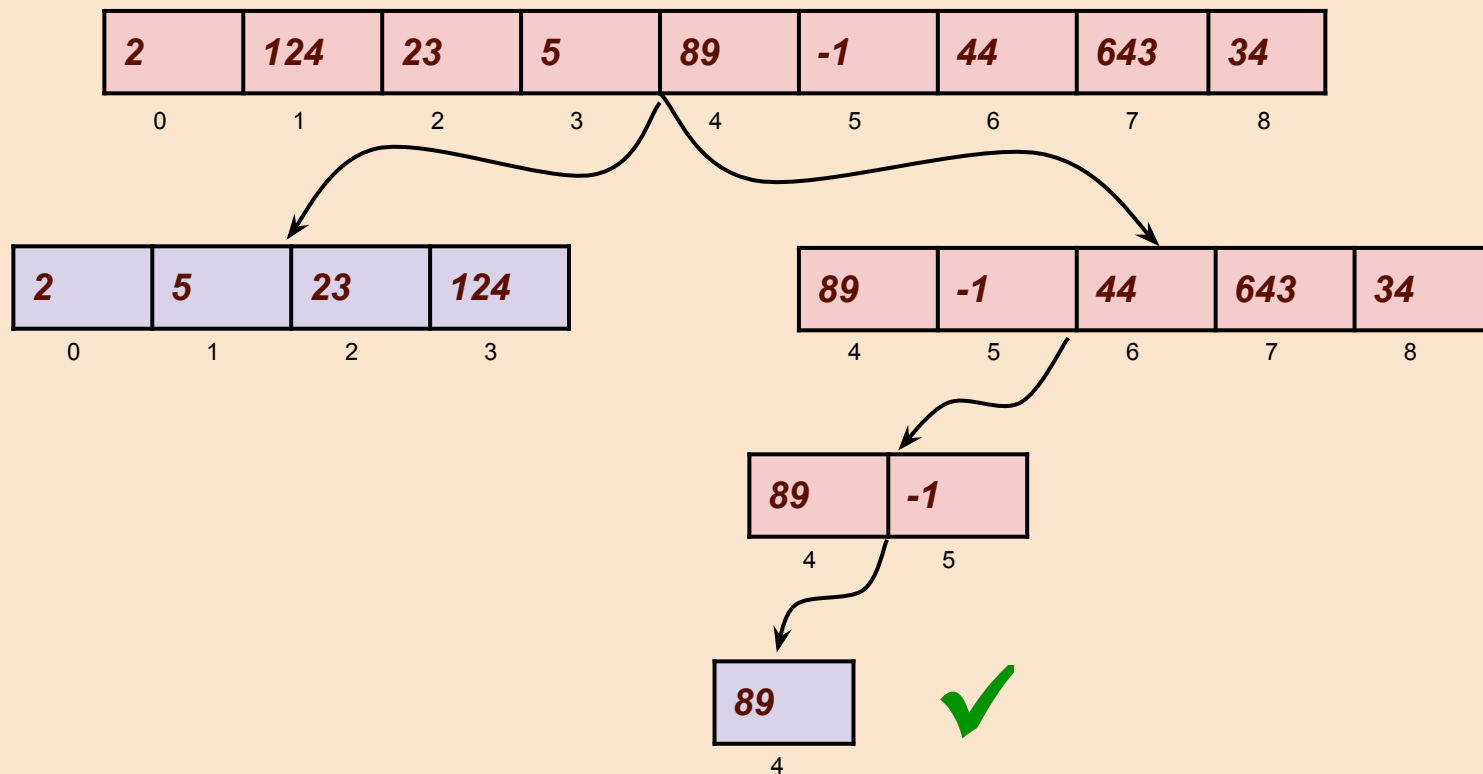


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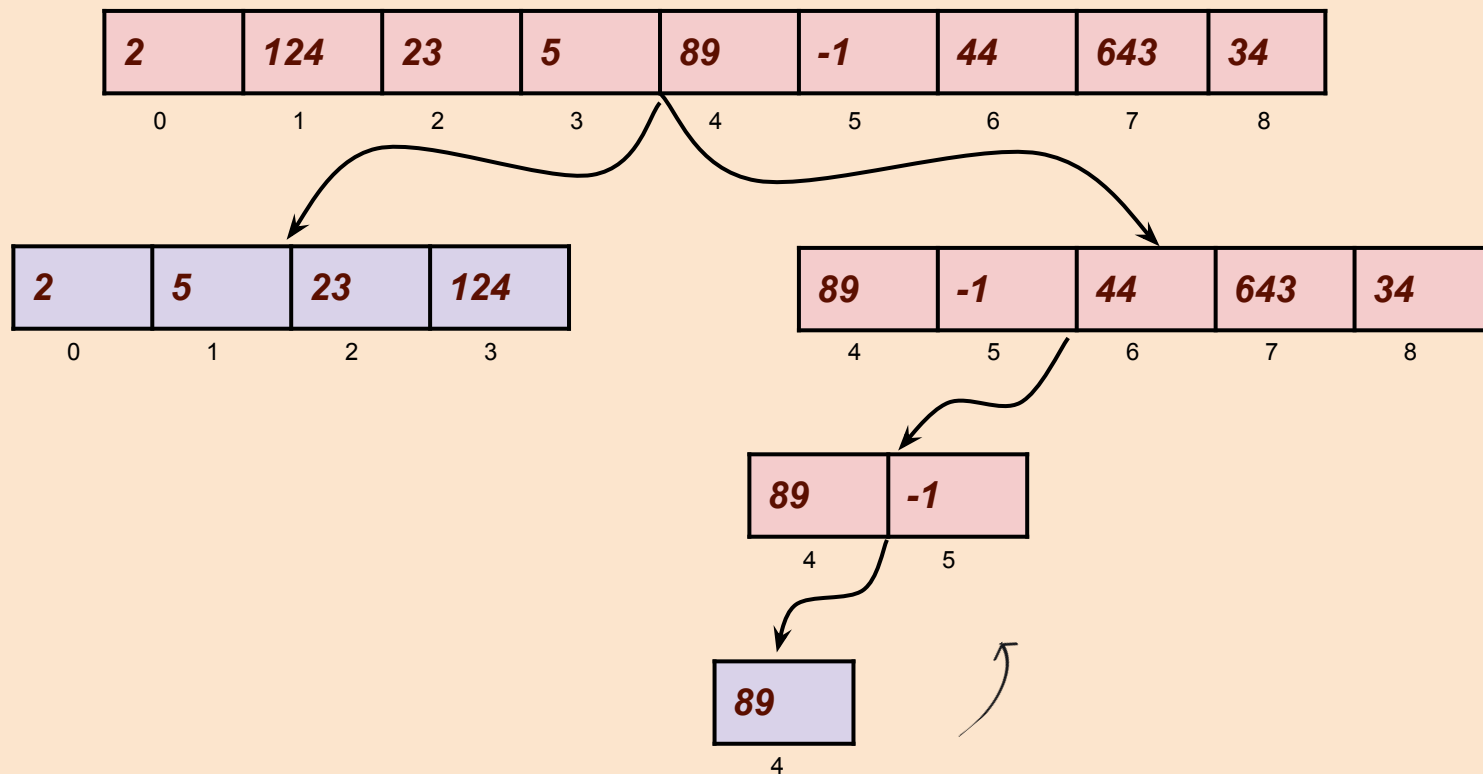




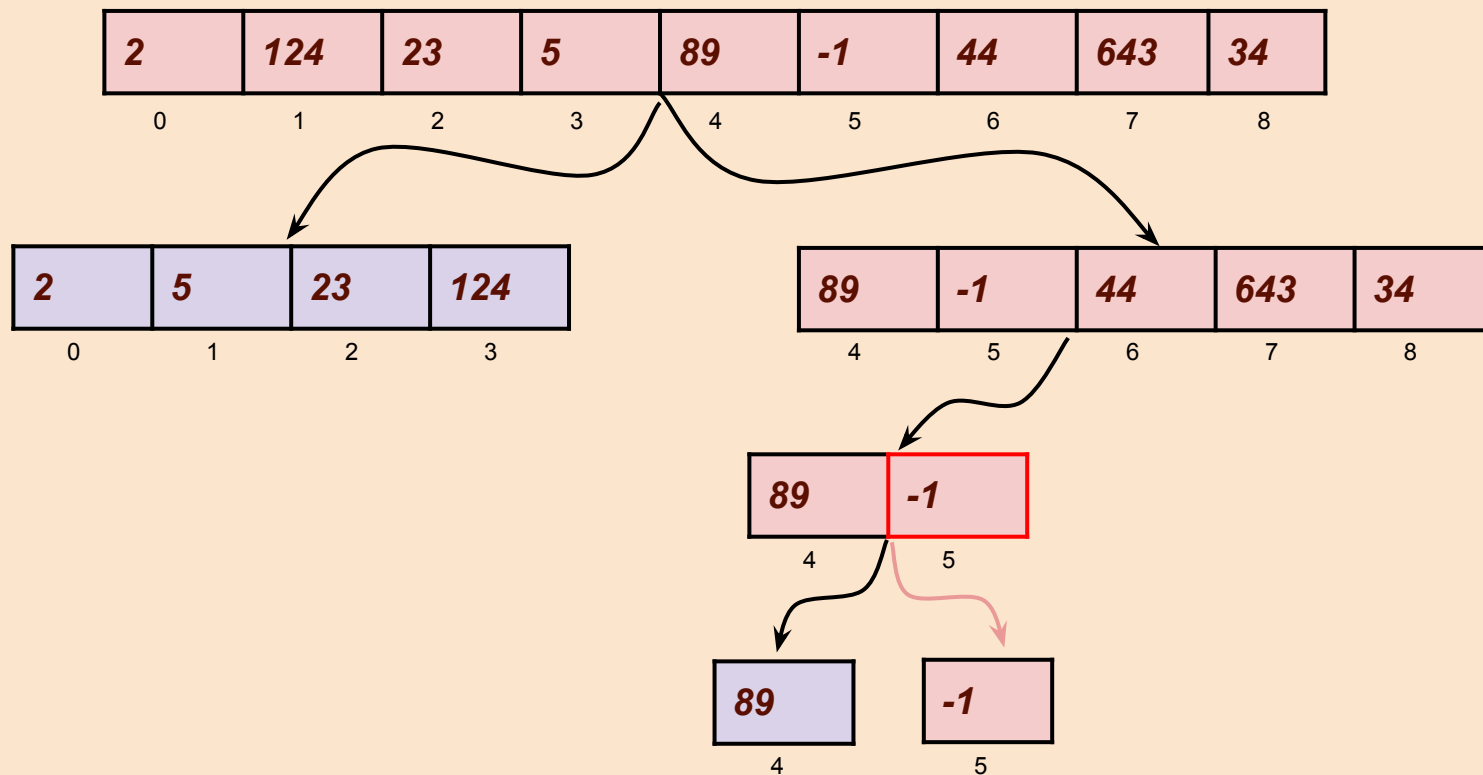
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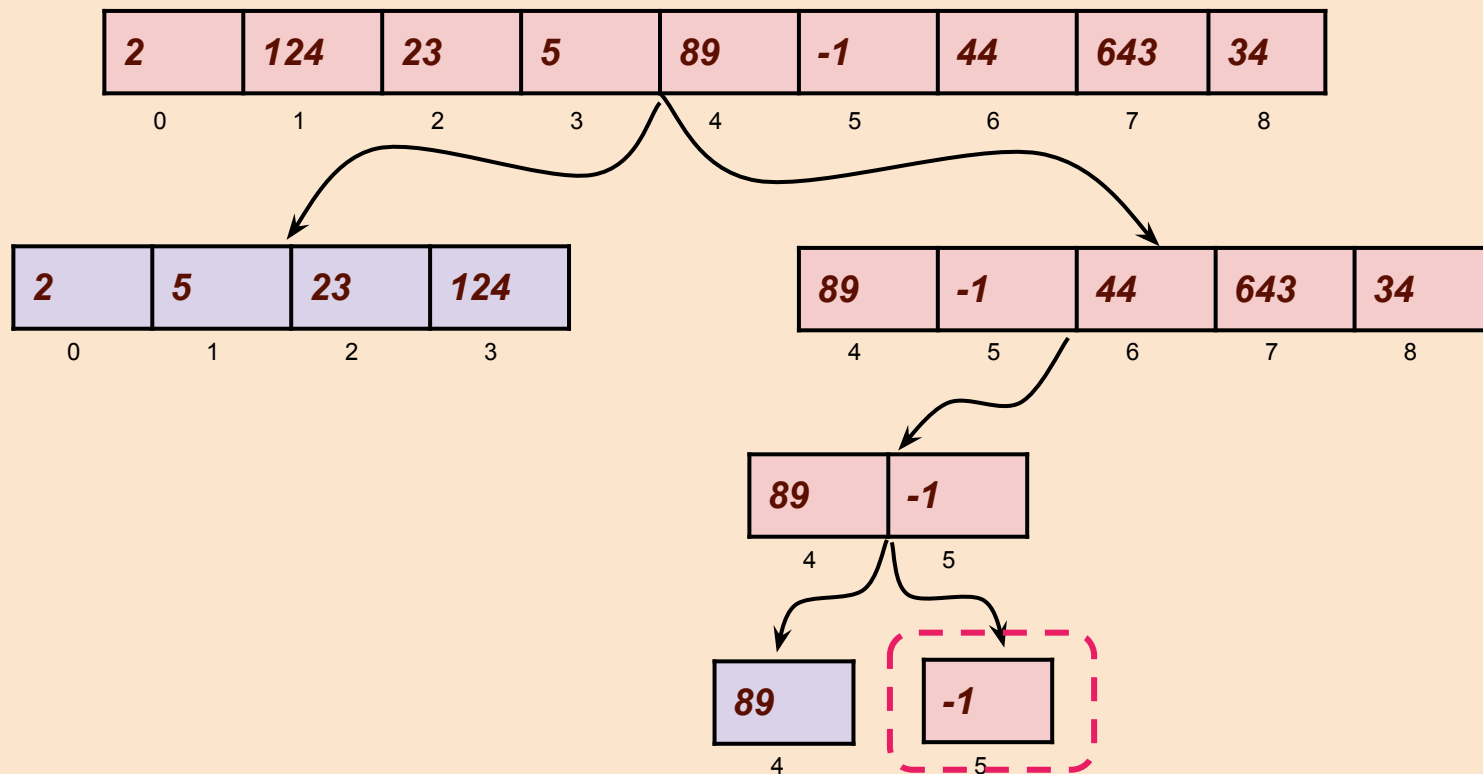
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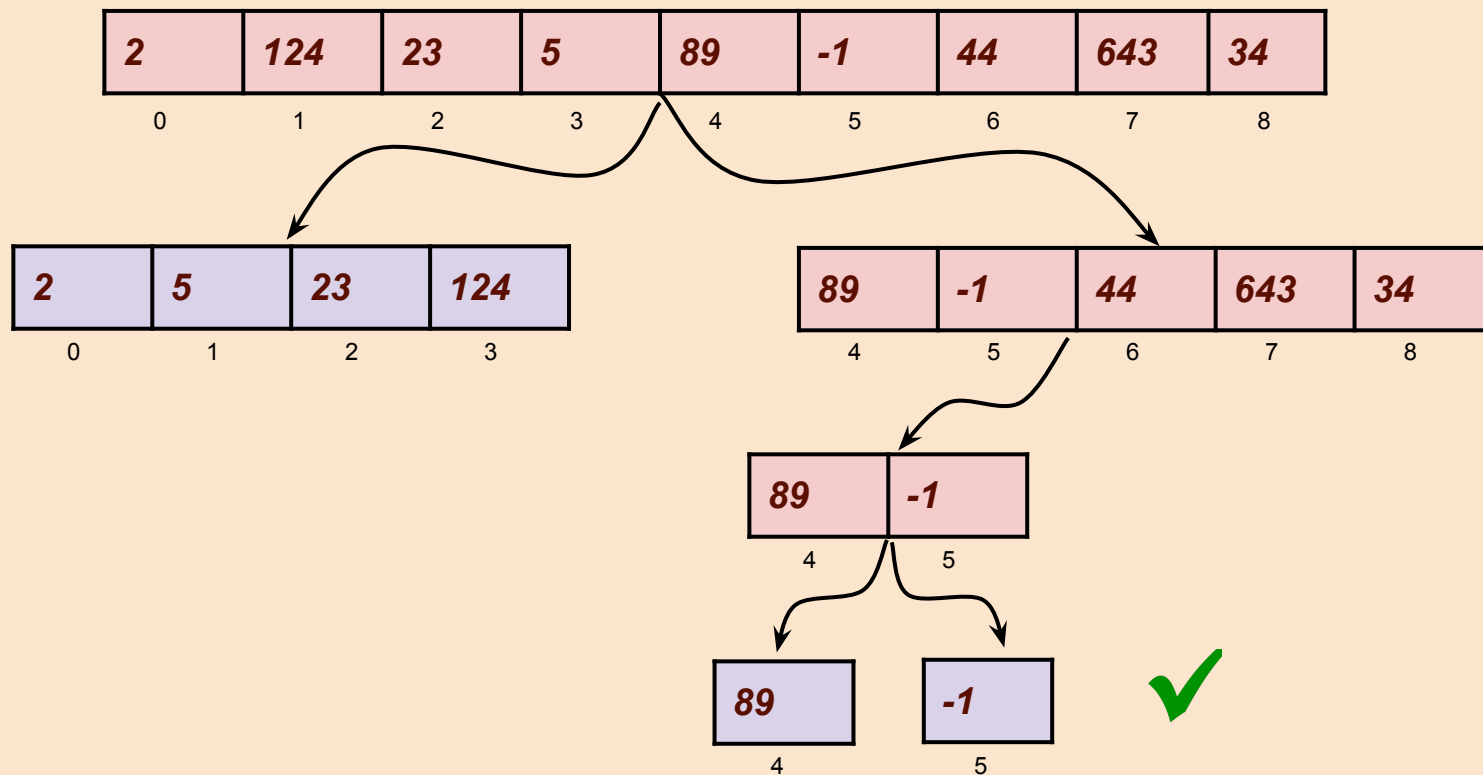
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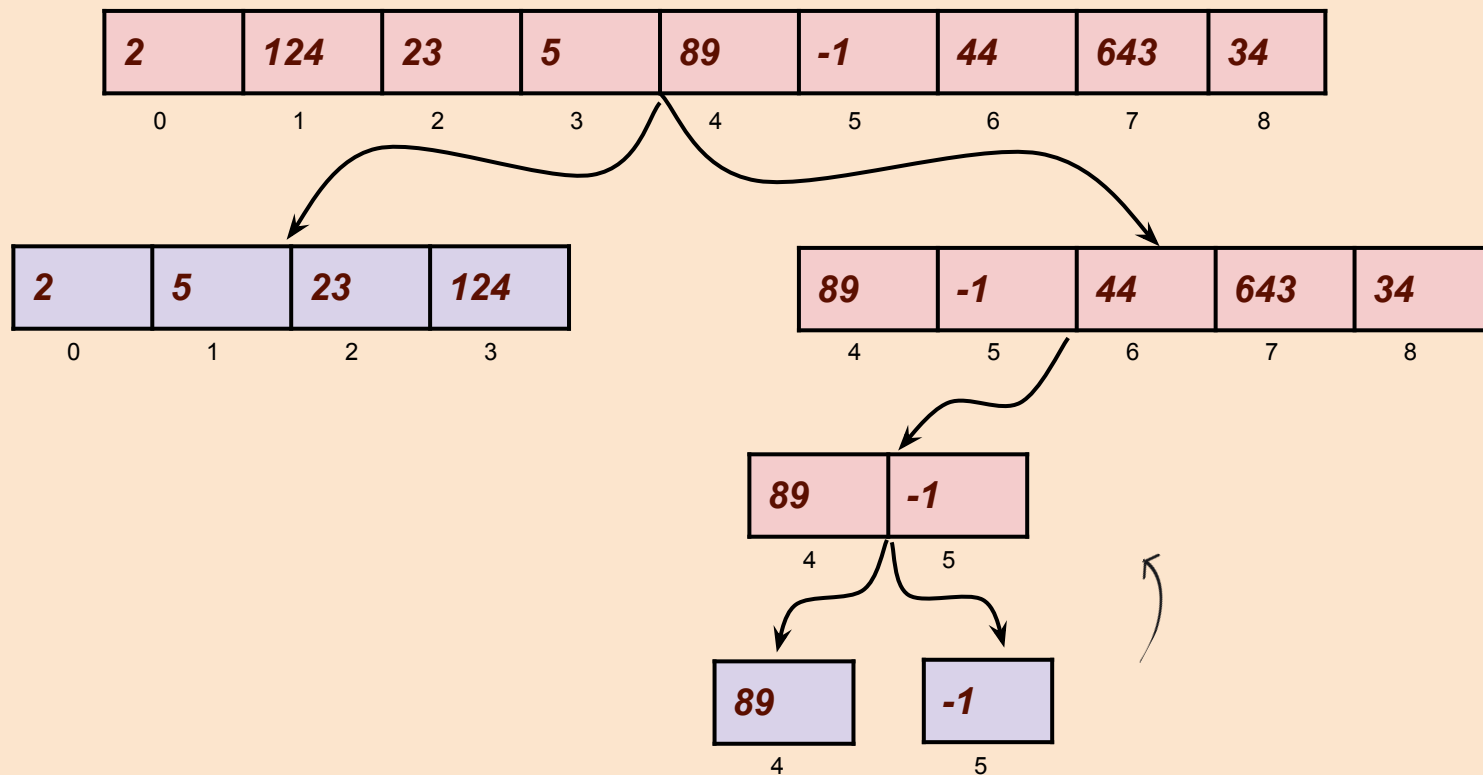
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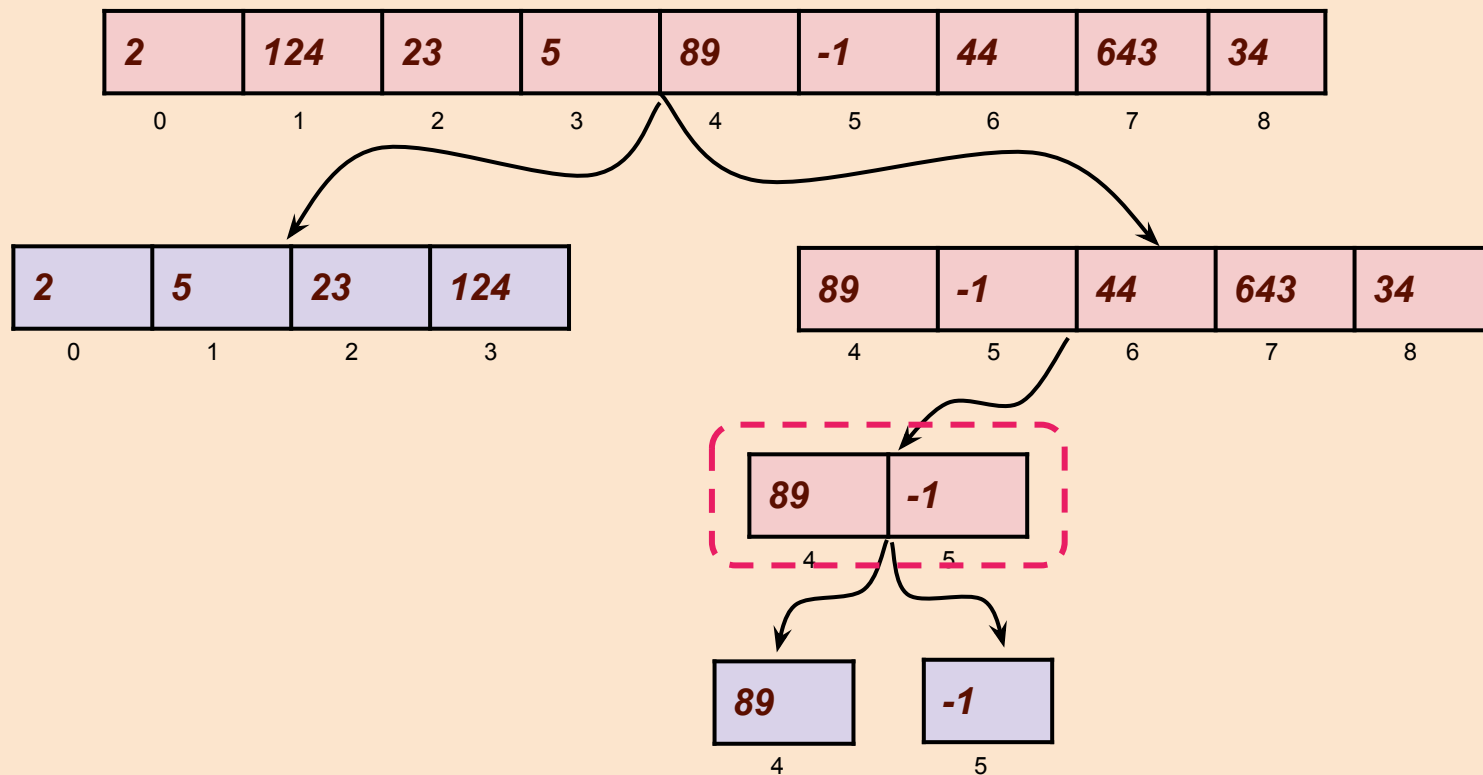
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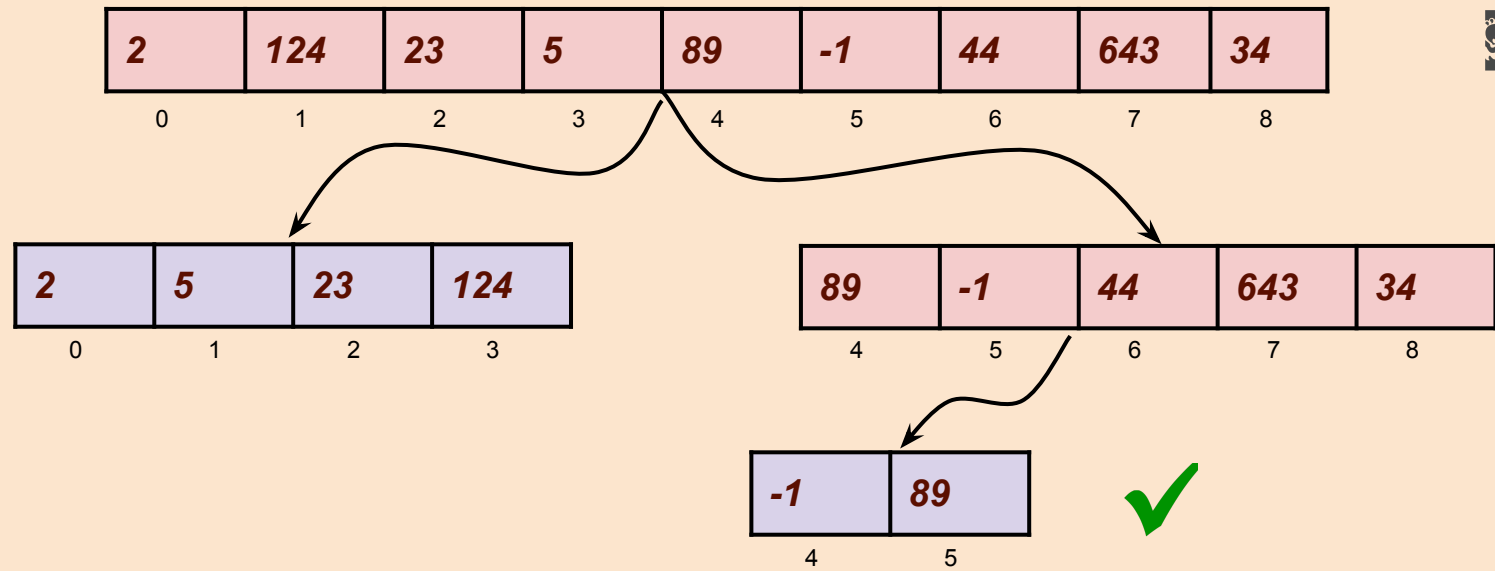


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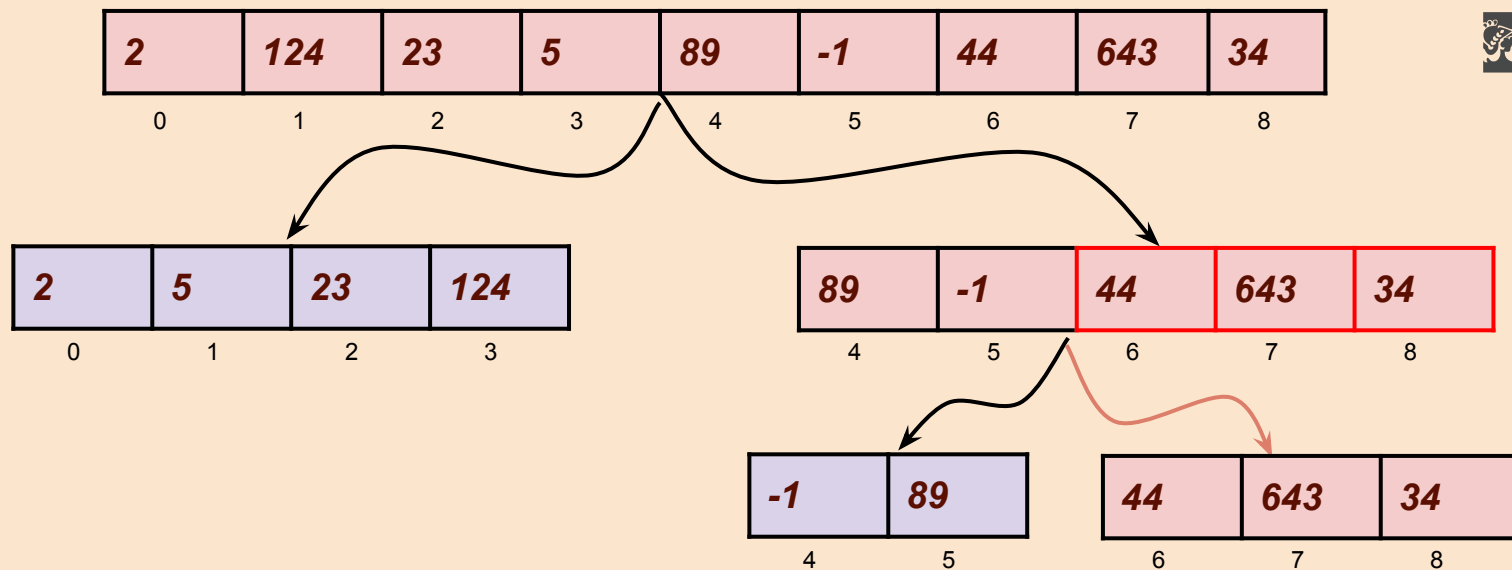


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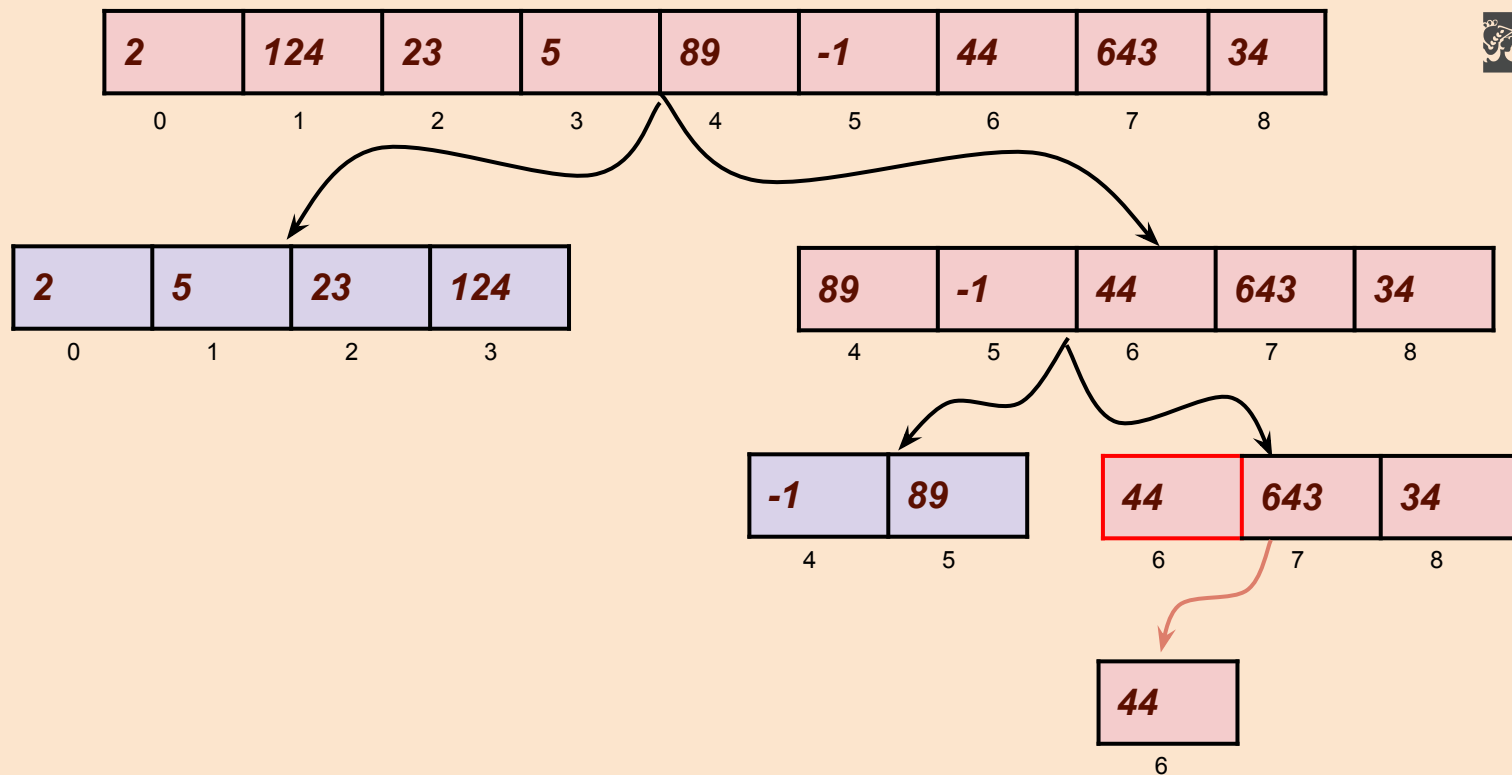




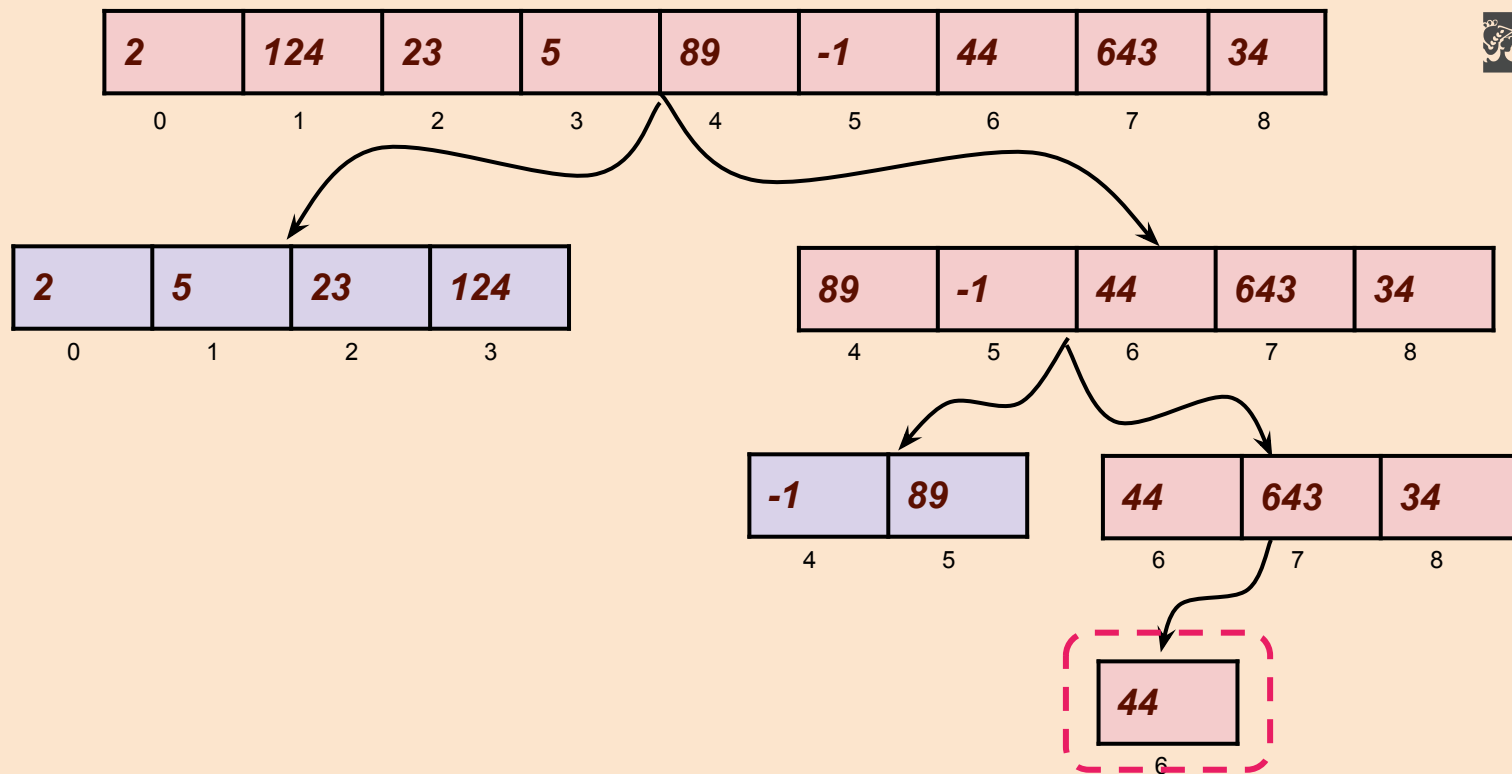
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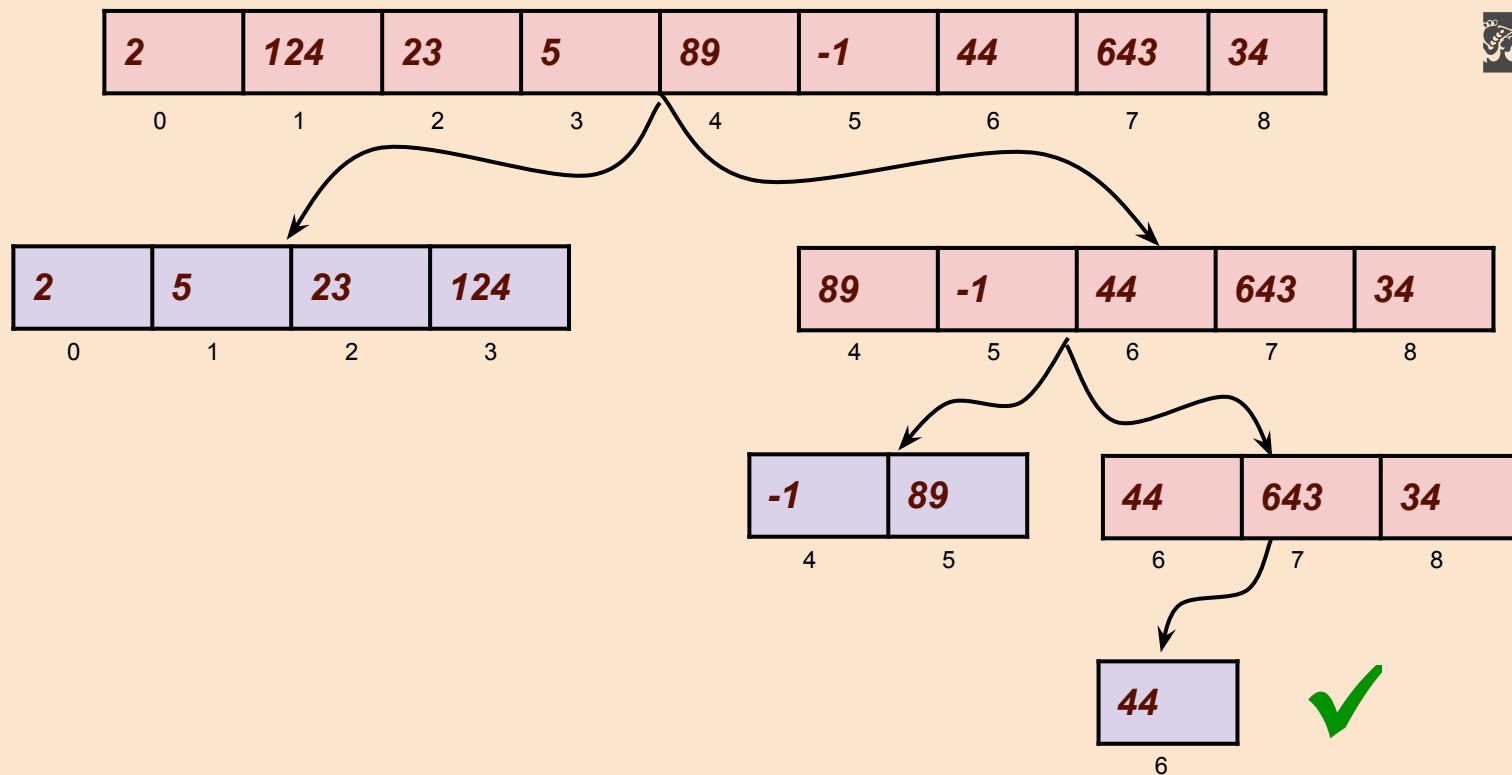
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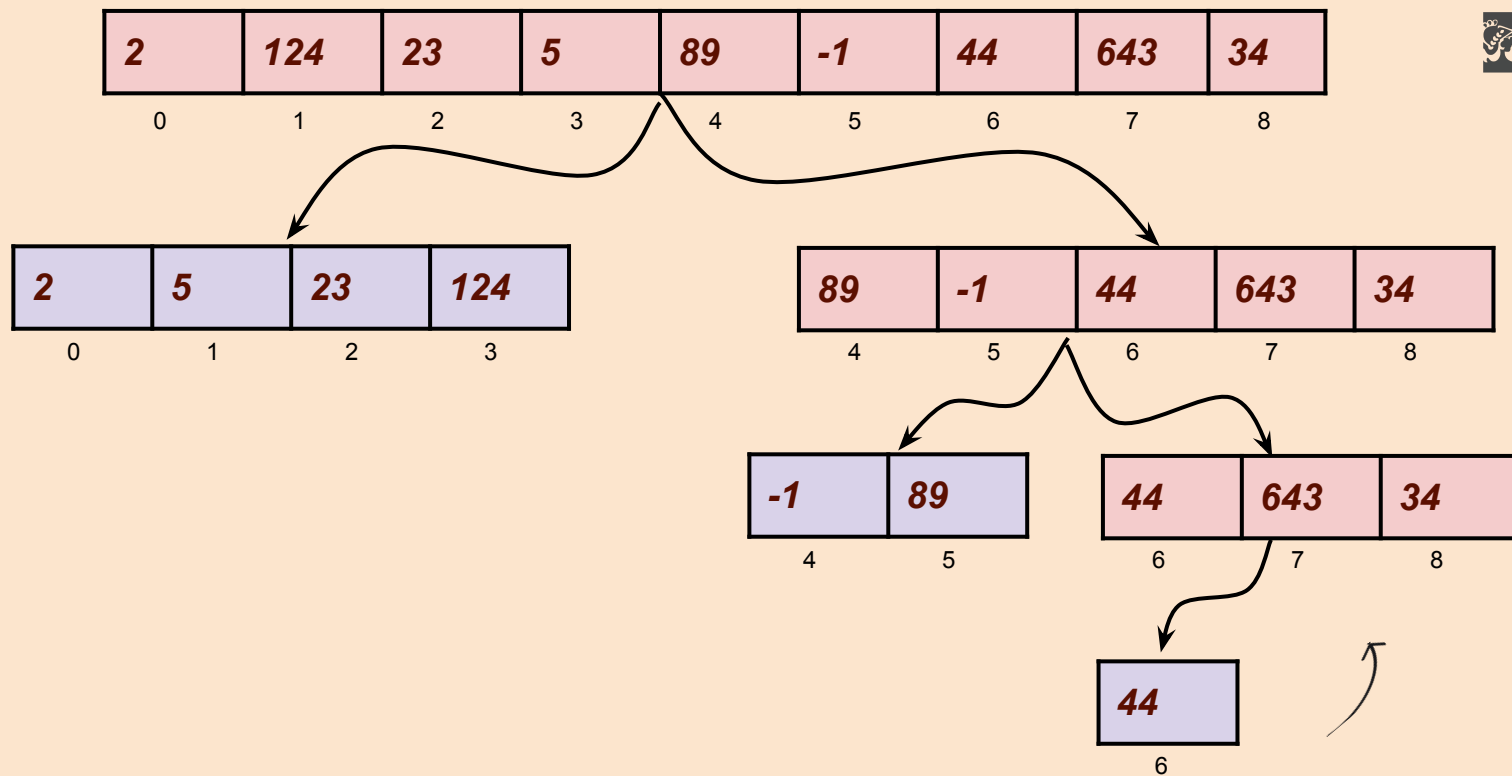
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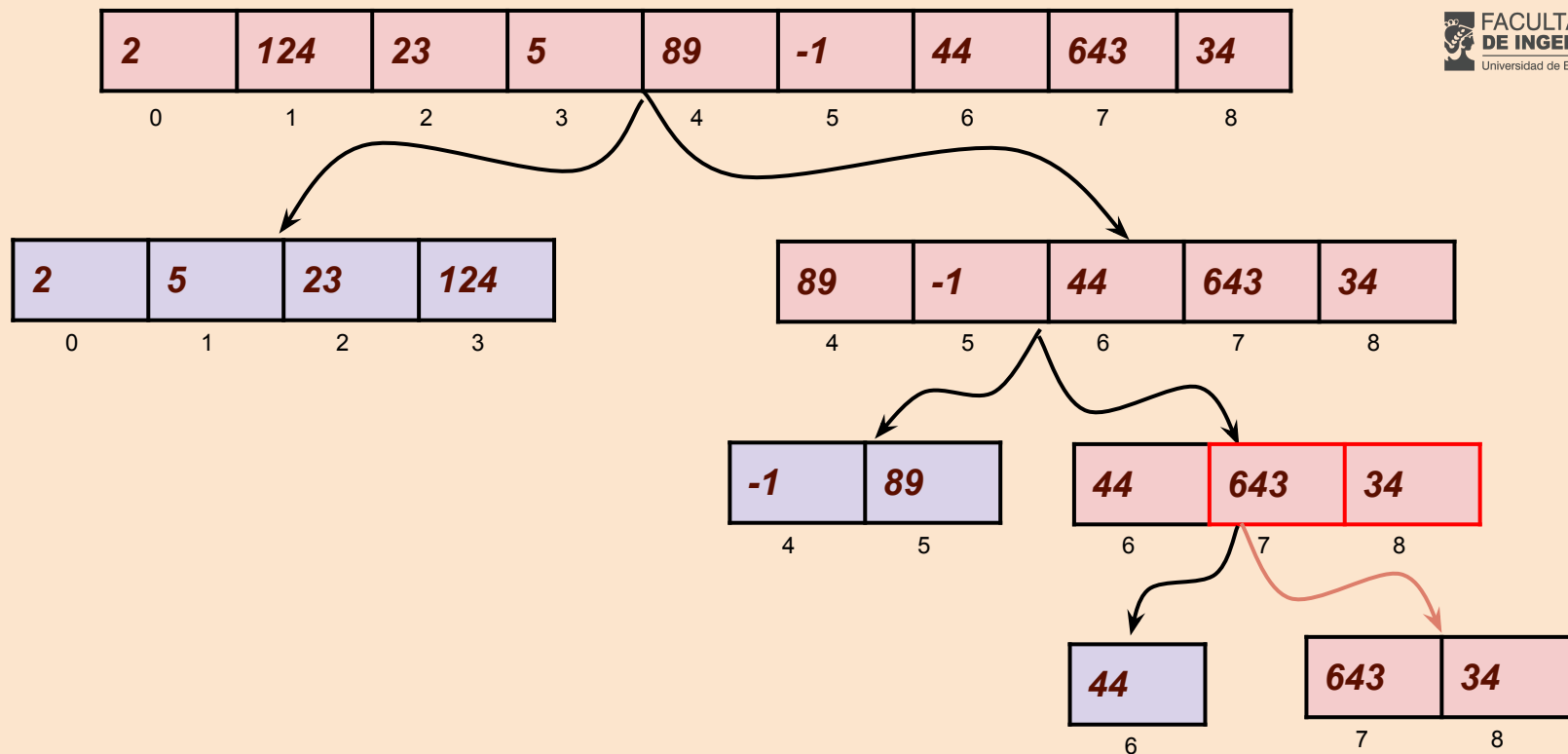
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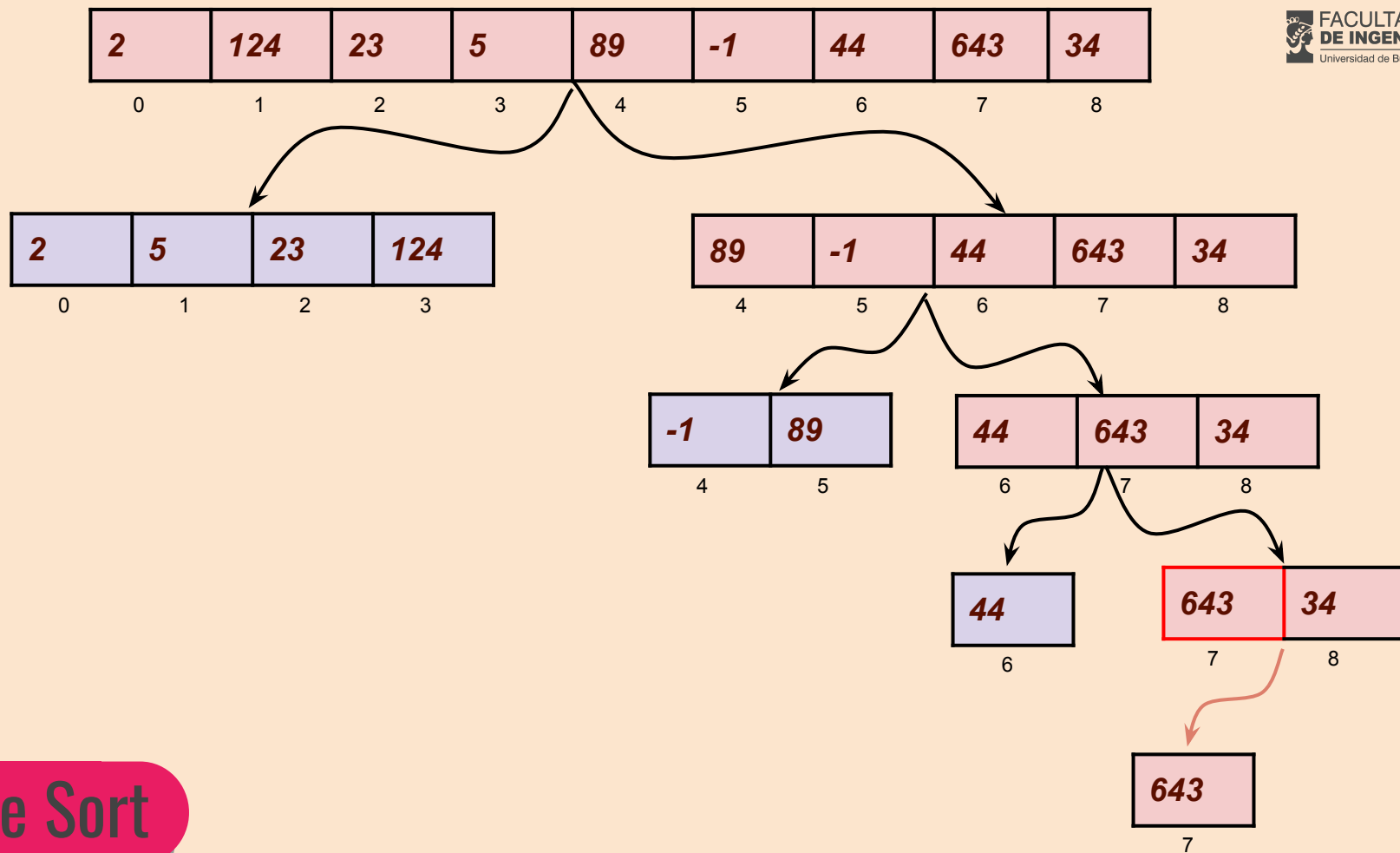
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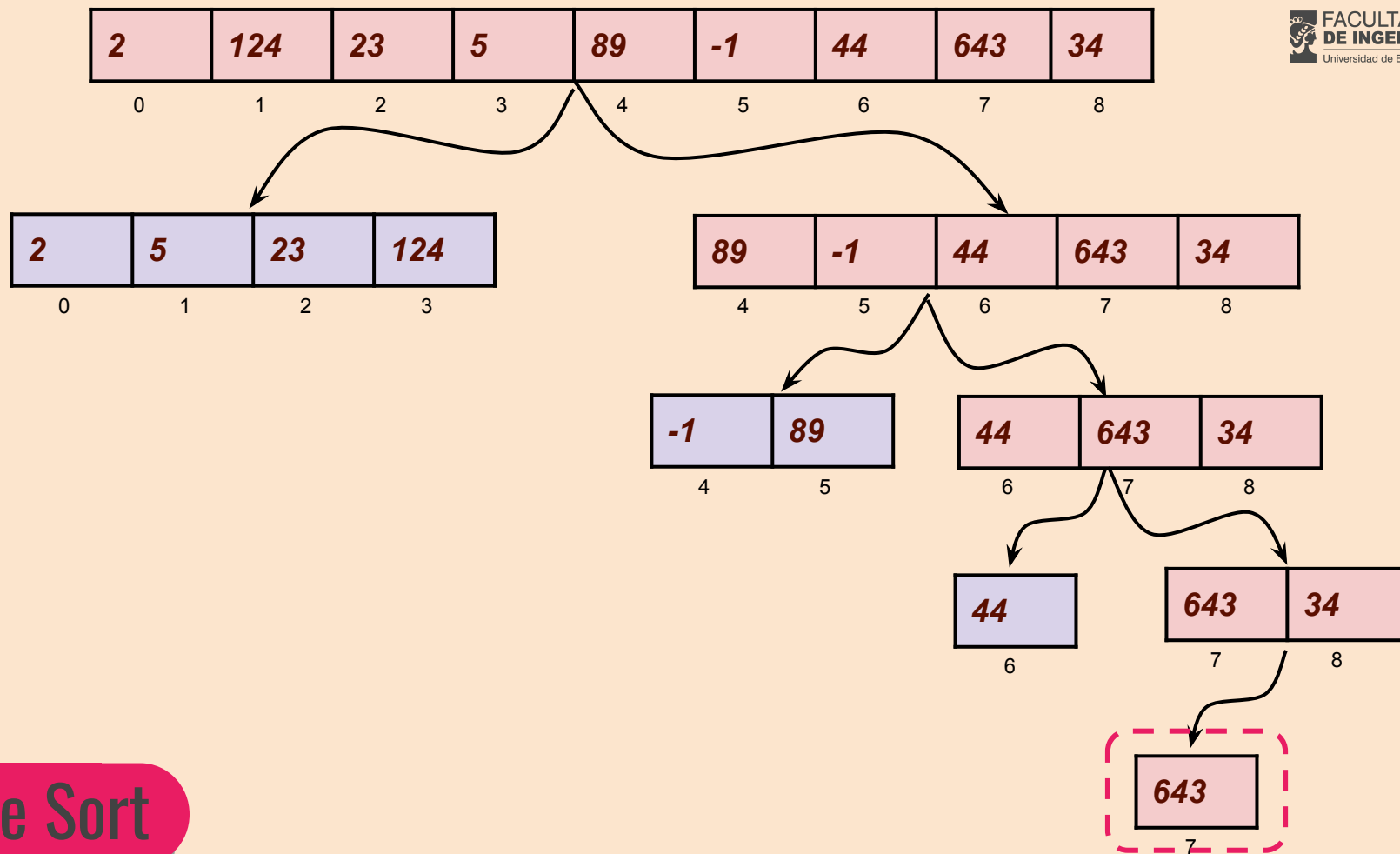


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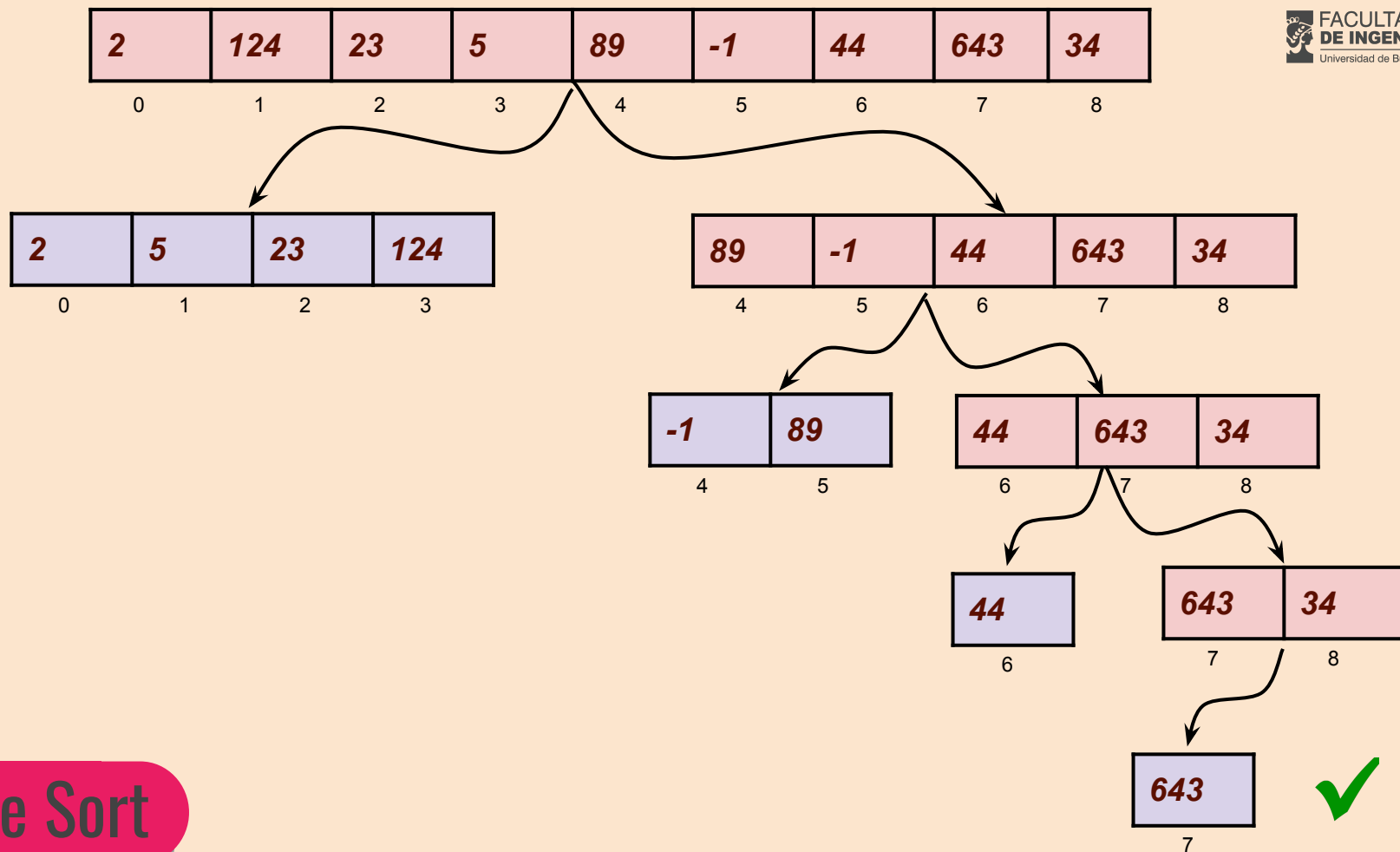


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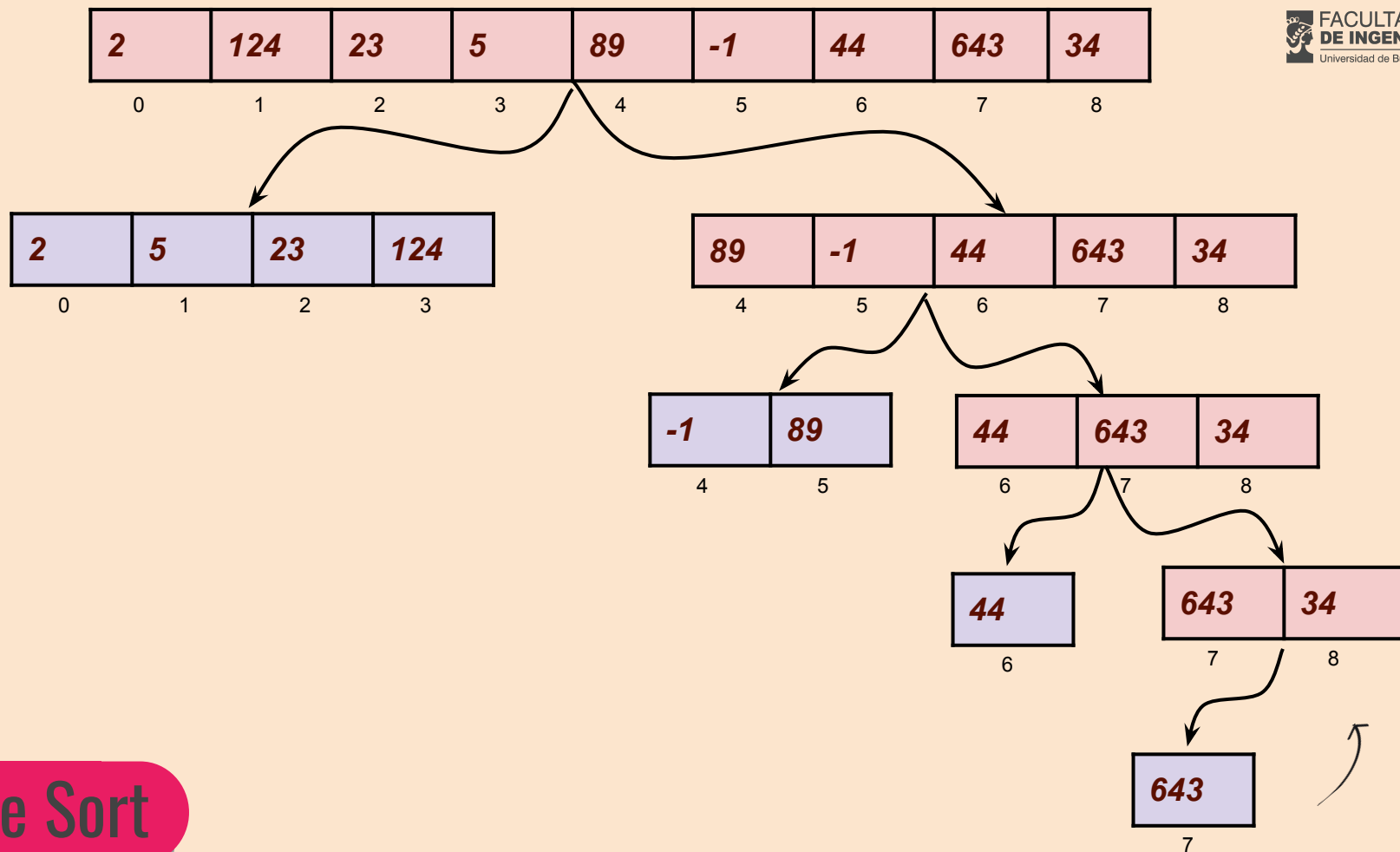




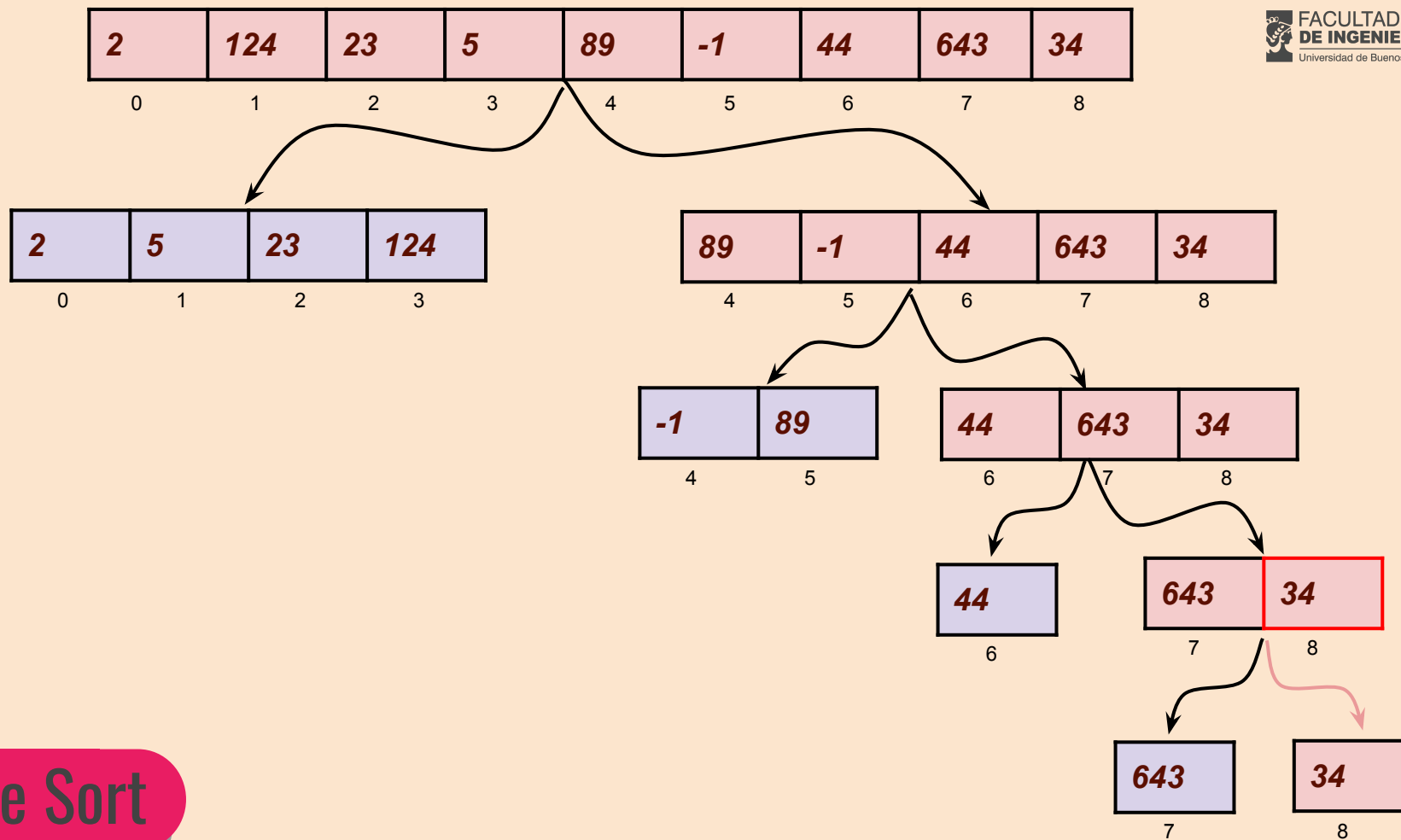
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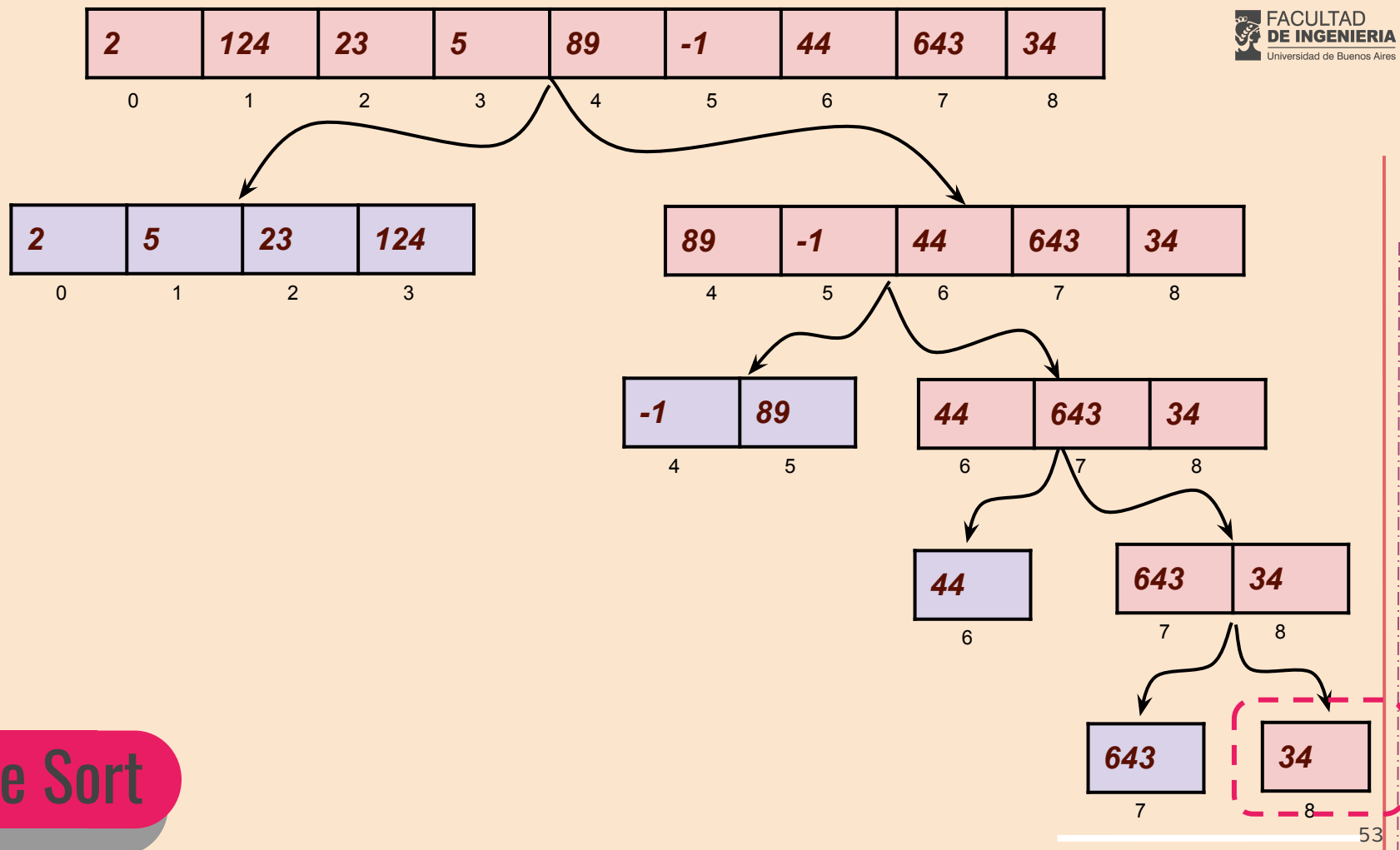
Merge Sort



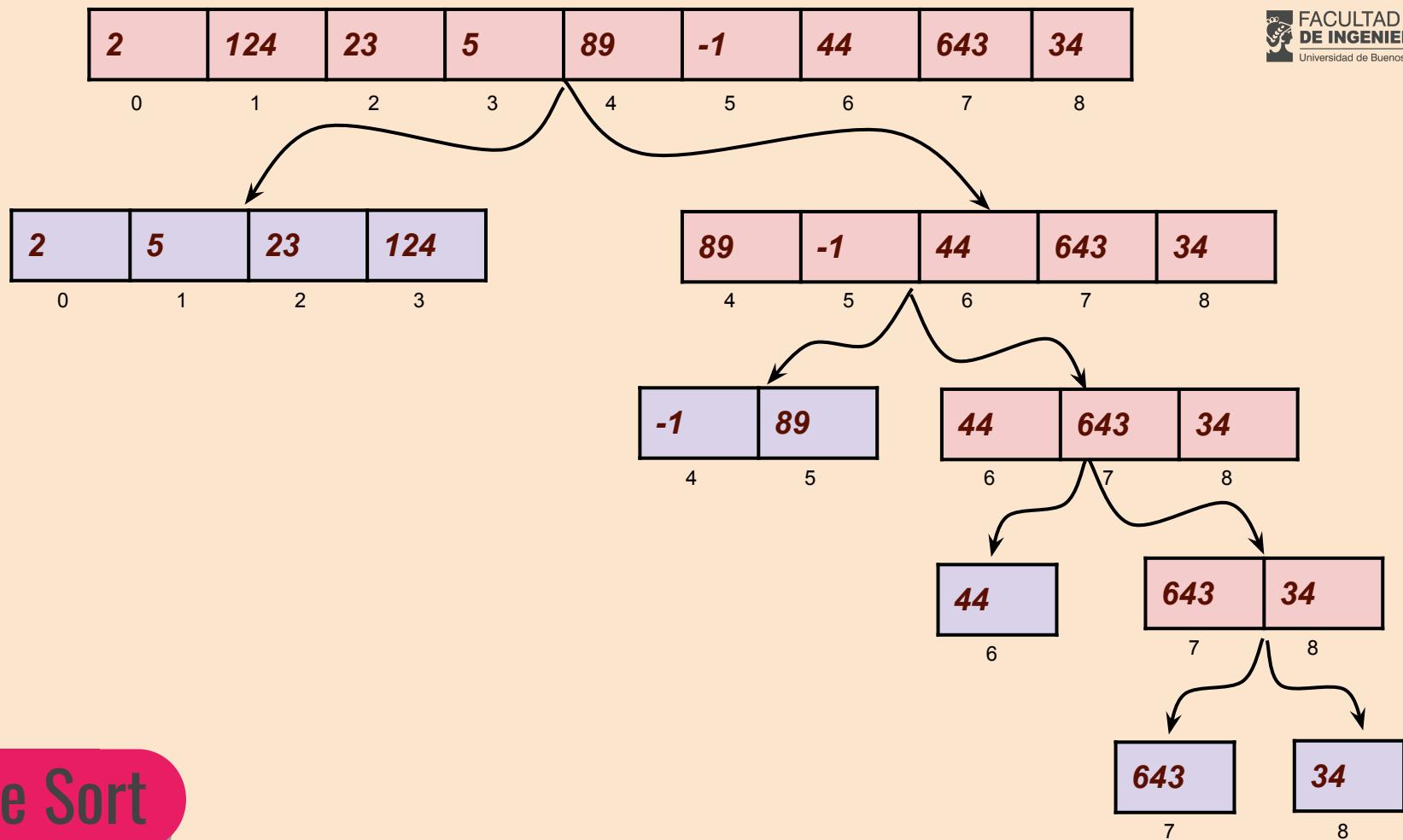
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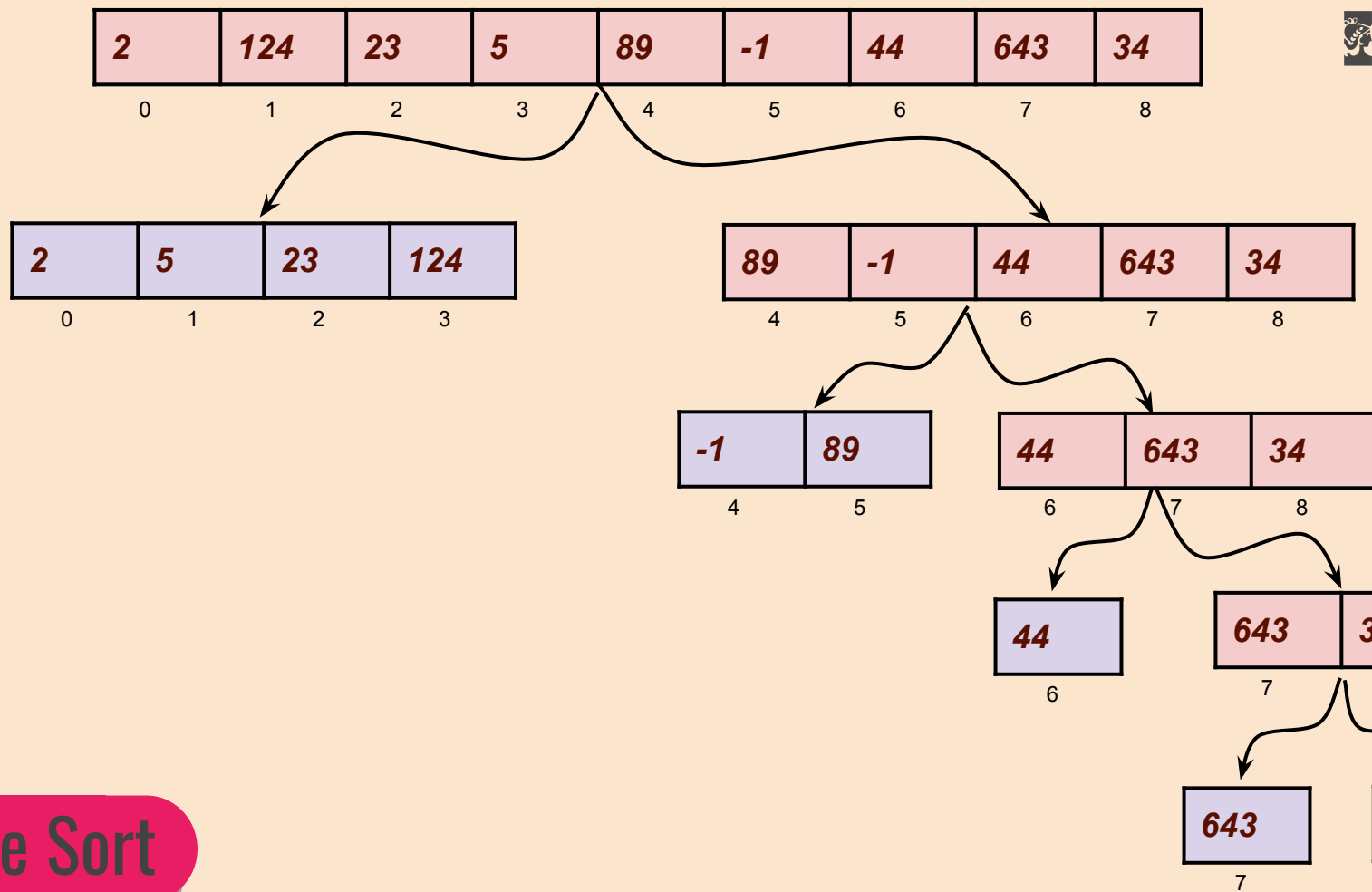


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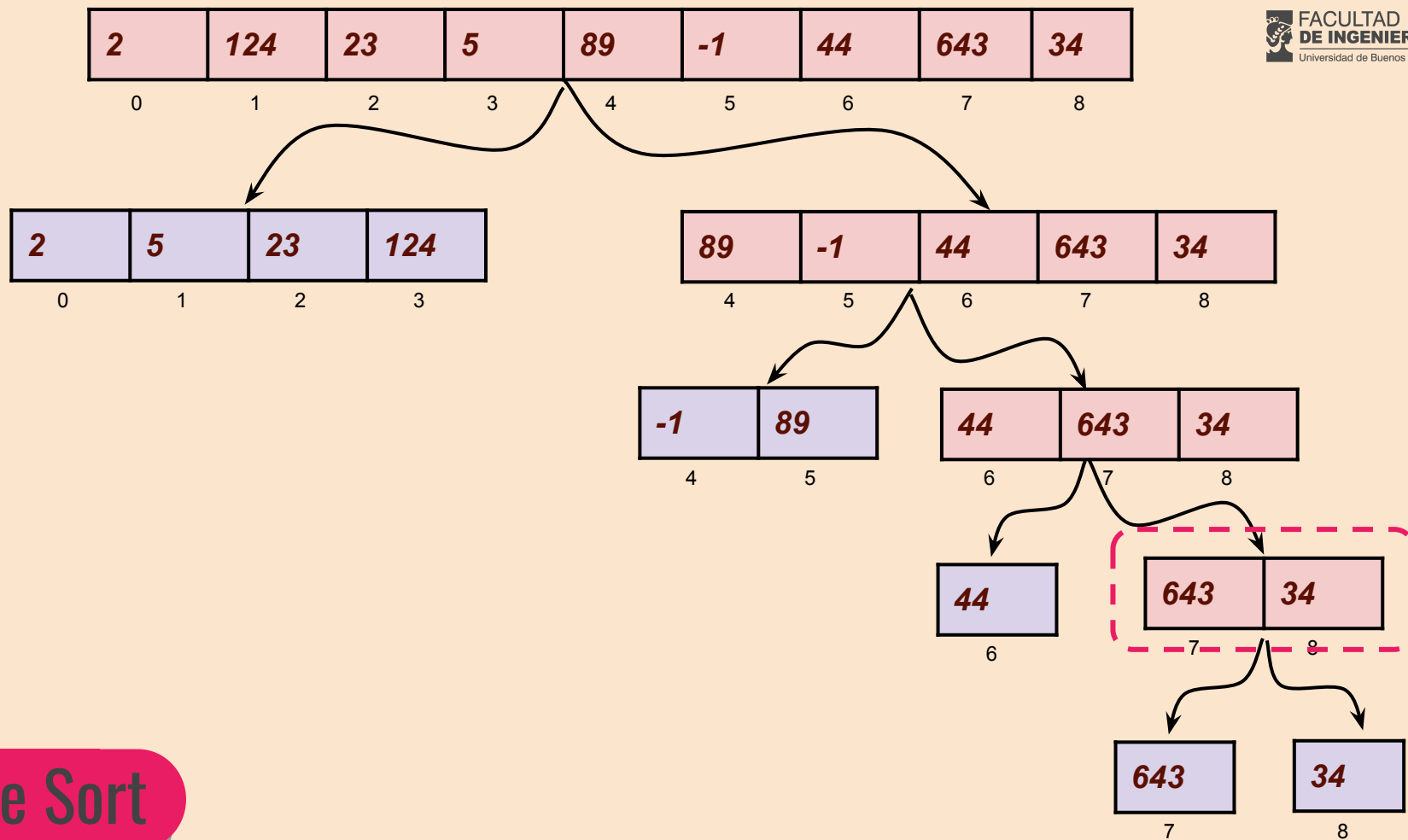


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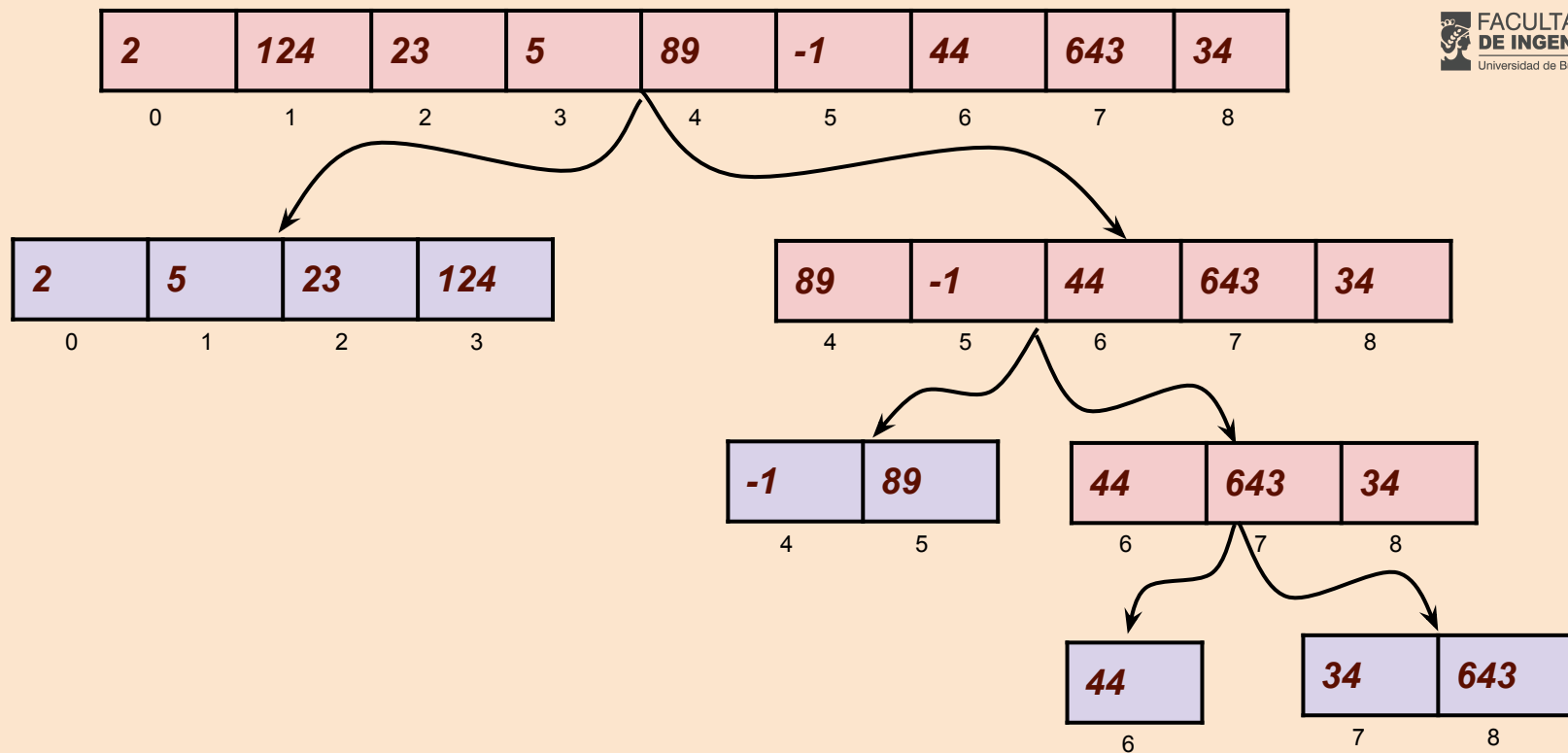


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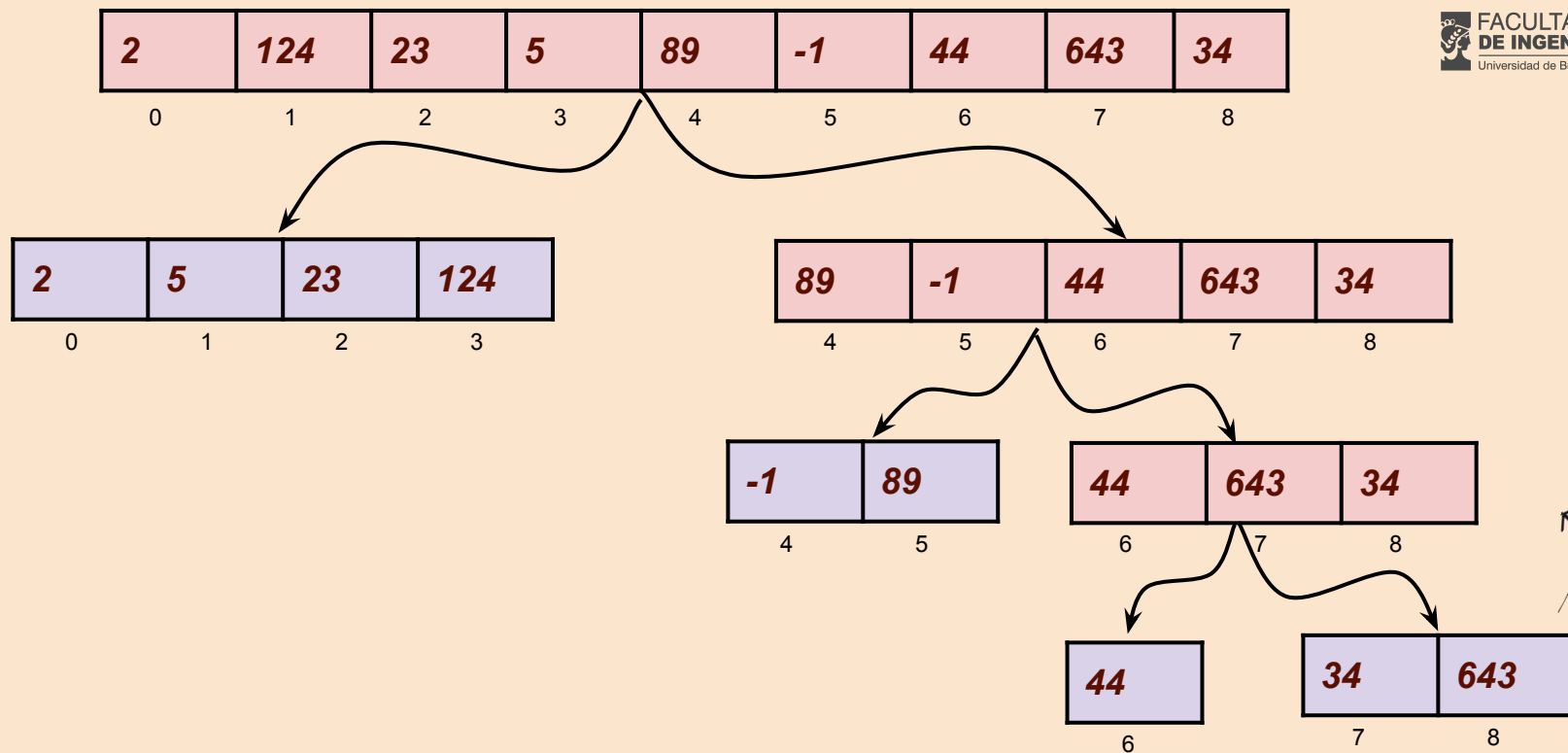


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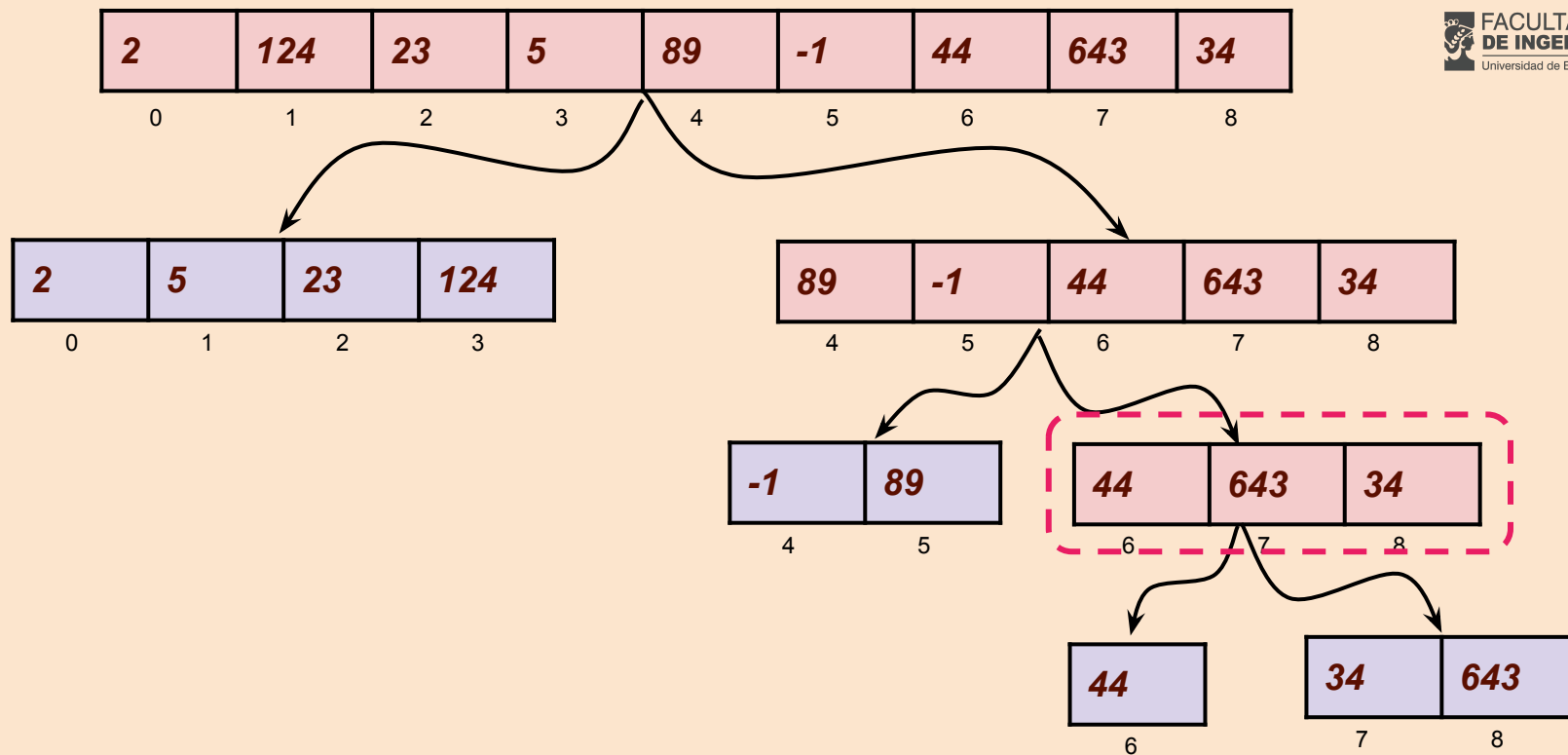




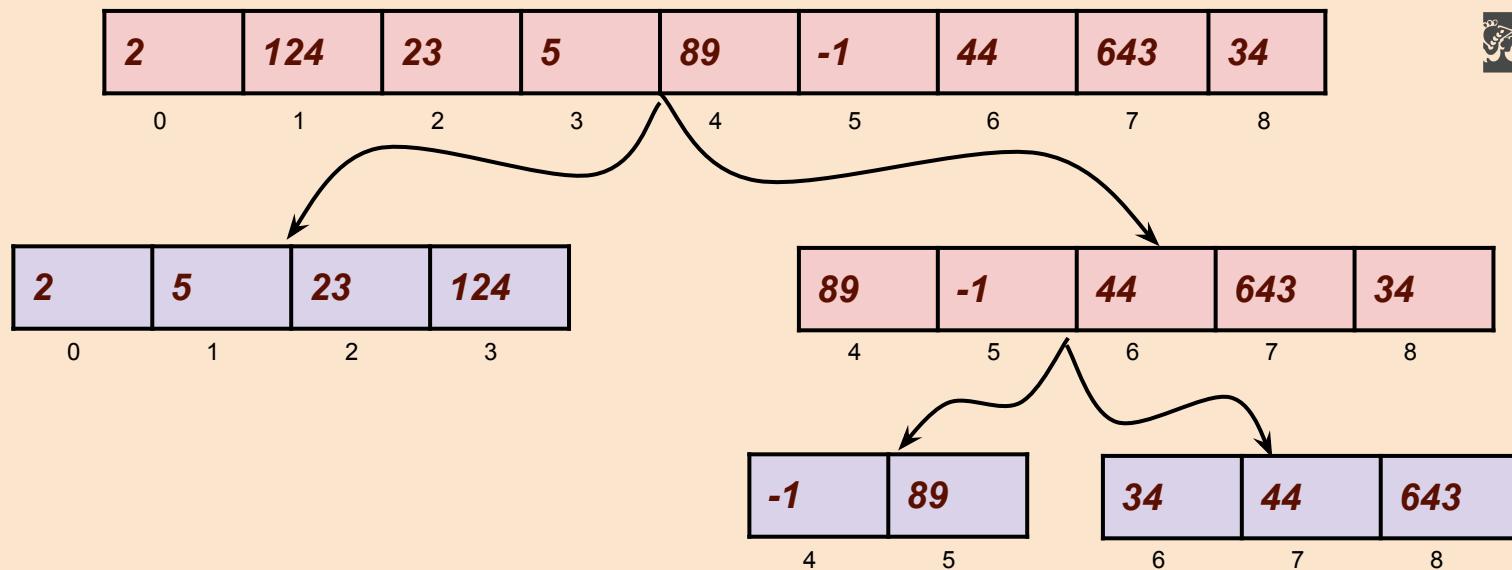
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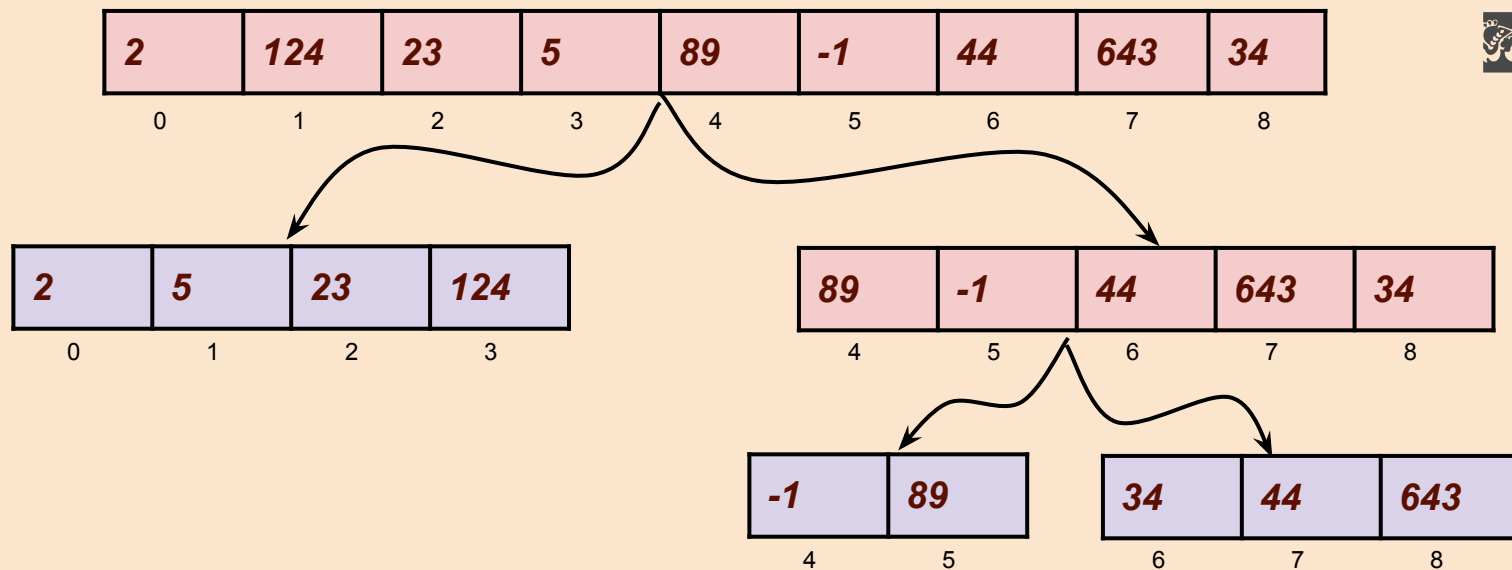
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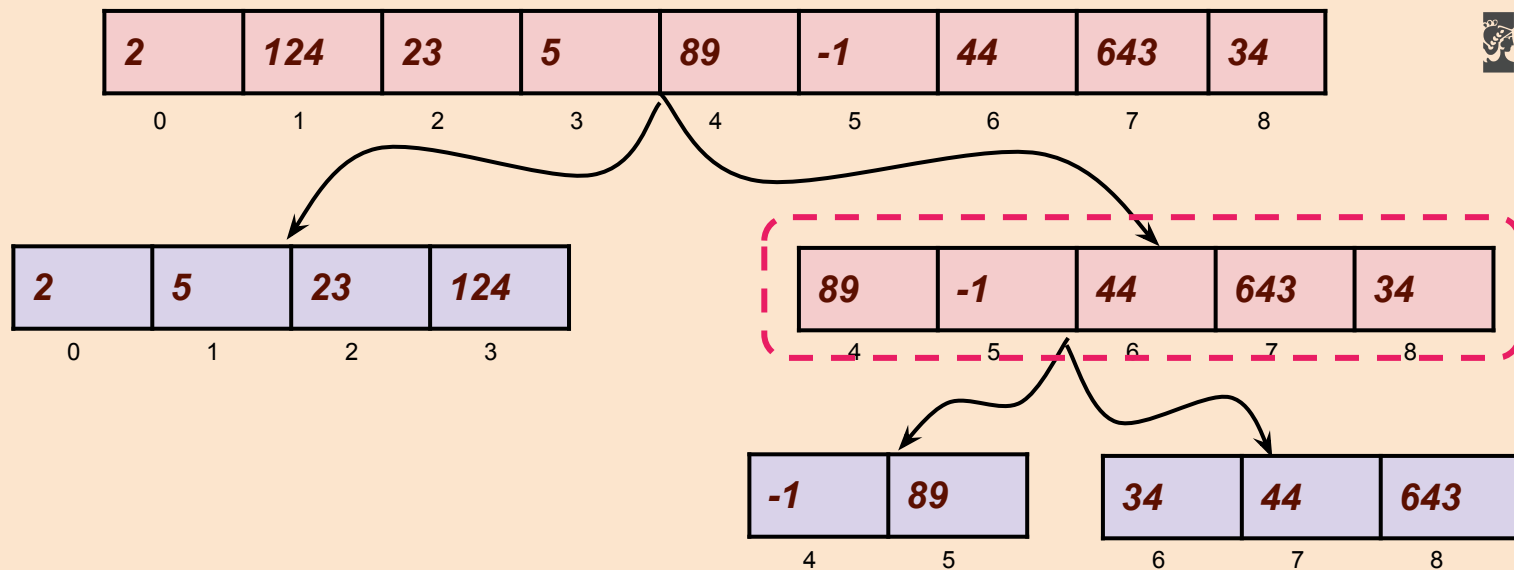
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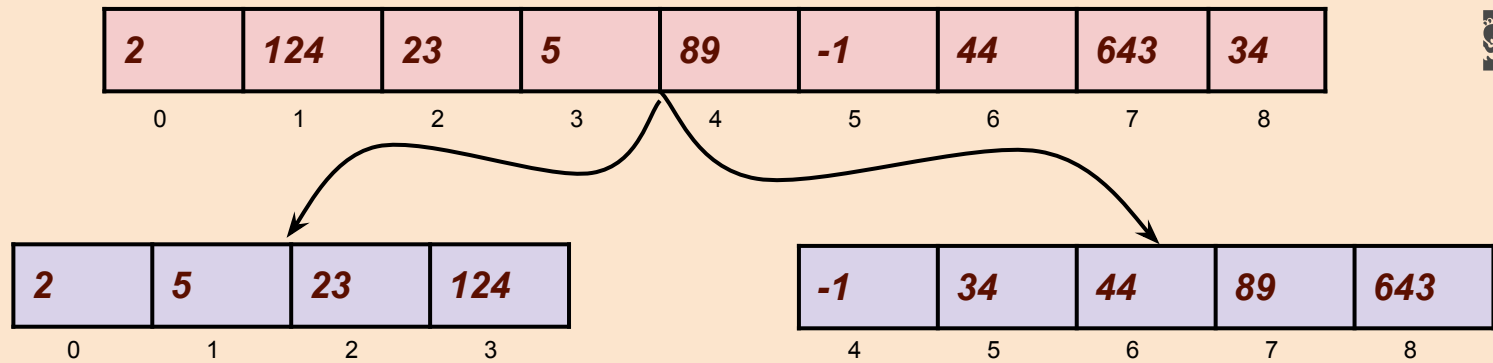
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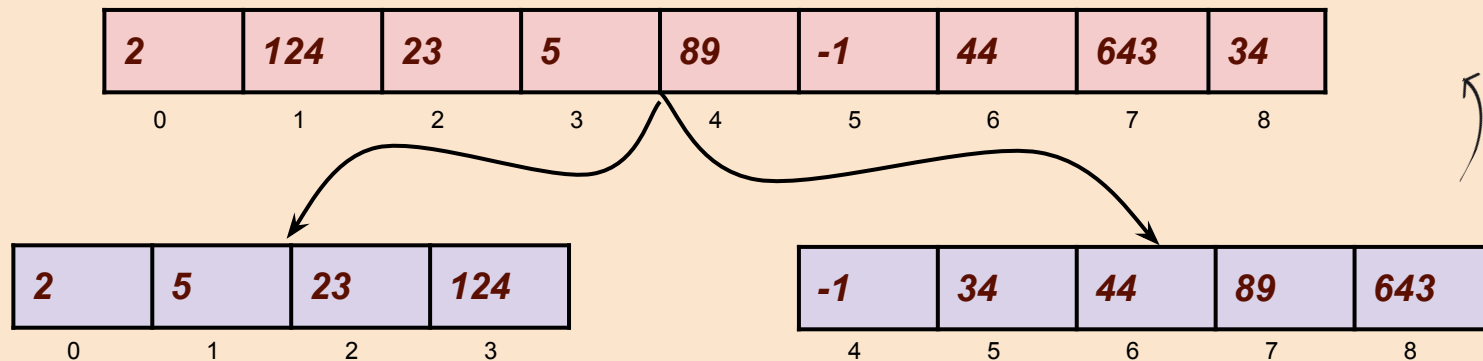
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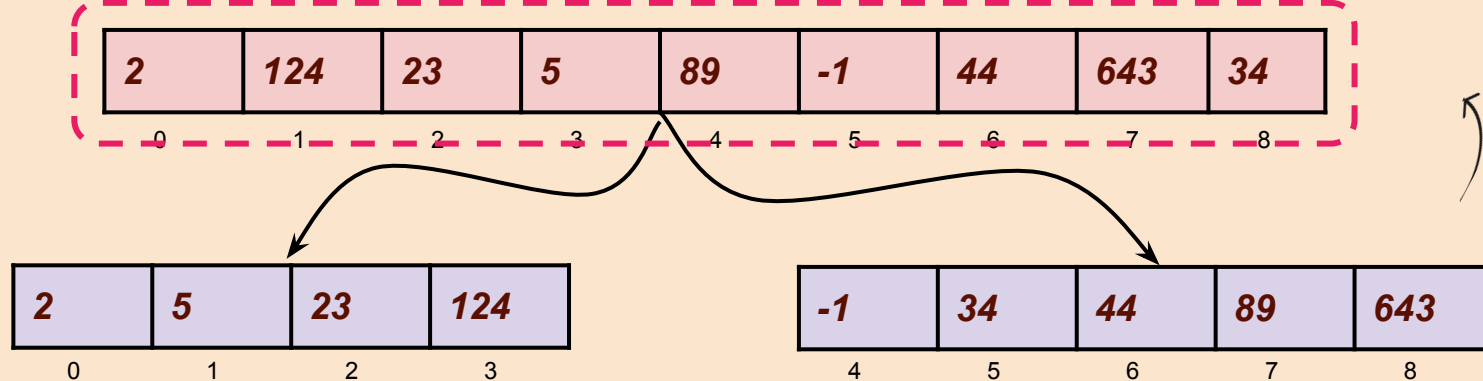


# Merge Sort



# Merge Sort





# Merge Sort

-1	2	5	23	34	44	89	124	643
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0

1

2

3

4

5

6

7

8



# Merge Sort

# ¿Preguntas?

# Fin