

Student Worksheet Companion

S 1131548

張景芳

9	0	1	2	3	4	5	6	7
22	90	95	100	71	19	5	70	

Array before step (with indices)
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">[22]</div> <div style="text-align: center;">[90]</div> <div style="text-align: center;">[45]</div> <div style="text-align: center;">[100]</div> <div style="text-align: center;">[71]</div> <div style="text-align: center;">[19]</div> <div style="text-align: center;">[5]</div> <div style="text-align: center;">[90]</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="text-align: center;">0</div> <div style="text-align: center;">1</div> <div style="text-align: center;">2</div> <div style="text-align: center;">3</div> <div style="text-align: center;">4</div> <div style="text-align: center;">5</div> <div style="text-align: center;">6</div> <div style="text-align: center;">7</div> </div>
Searching range: indices 0 to 7

Minimum element found: Value = <u>5</u> , Index = <u>6</u>																
Swap performed: Index 0 <-> Index <u>6</u>																
(Circle YES or NO): <u>YES</u> / NO																
Array after step (with indices)																
<table border="0"> <tr> <td>[5]</td><td>[90]</td><td>[95]</td><td>[100]</td><td>[71]</td><td>[19]</td><td>[22]</td><td>[70]</td> </tr> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table>	[5]	[90]	[95]	[100]	[71]	[19]	[22]	[70]	0	1	2	3	4	5	6	7
[5]	[90]	[95]	[100]	[71]	[19]	[22]	[70]									
0	1	2	3	4	5	6	7									

Step2 (i = 1):

Array before step (with indices)																
<table border="0"> <tr> <td>[5]</td><td>[90]</td><td>[95]</td><td>[100]</td><td>[71]</td><td>[19]</td><td>[22]</td><td>[70]</td> </tr> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> </table>	[5]	[90]	[95]	[100]	[71]	[19]	[22]	[70]	0	1	2	3	4	5	6	7
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0	1	2	3	4	5	6	7									
Searching range: indices 1 to 7																
Minimum element found: Value = <u>19</u> , Index = <u>5</u>																
Swap performed: Index 1 <-> Index <u>5</u>																
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Step3 (i = 2):

Array before step (with indices)																
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[5]	[9]	[95]	[100]	[71]	[90]	[22]	[70]									
0	1	2	3	4	5	6	7									
Searching range: indices 2 to 7																
Minimum element found: Value = <u>22</u> , Index = <u>6</u>																
Swap performed: Index 2 <-> Index <u>6</u>																
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