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Instructions: Draw a visual representation of an array structure that can hold 8 integers. Include:

- Array cells/boxes
- Index labels (0 through 7)
- Clear indication of array bounds

Array name (e.g., "Array A")

Array A:

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

Step1 ($i = 0$):

Array before step (with indices)

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

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)							
[5]	[90]	[95]	[100]	[71]	[19]	[22]	[10]
0	1	2	3	4	5	6	7

Step2 (i = 1):

Array before step (with indices)							
[5]	[90]	[95]	[100]	[71]	[19]	[22]	[10]
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>							
(Circle YES or NO): <u>YES</u> / NO							
Array after step (with indices)							
[5]	[19]	[95]	[100]	[71]	[90]	[22]	[10]
0	1	2	3	4	5	6	7

Step3 (i = 2):

Array before step (with indices)							
[5]	[19]	[95]	[100]	[71]	[90]	[22]	[10]
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>							
(Circle YES or NO): <u>YES</u> / NO							
Array after step (with indices)							
[5]	[19]	[22]	[100]	[71]	[90]	[95]	[10]
0	1	2	3	4	5	6	7