1. The list $[4, 2, 5, 6, 7, 3, 1]$ is shown below after each pass of a sorting algorithm:

Which sorting algorithm is being executed?

(a) bubble sort
(b) selection sort
(c) insertion sort

2. The list $[4, 2, 5, 6, 7, 3, 1]$ is shown below after each pass of a sorting algorithm:

Which sorting algorithm is being executed?

(a) bubble sort
(b) selection sort
(c) insertion sort

3. The list $[4, 2, 5, 6, 7, 3, 1]$ is shown below after each pass of a sorting algorithm:

Which sorting algorithm is being executed?

(a) bubble sort
(b) selection sort
(c) insertion sort
4. List \([8, 2, 8, 7, 3, 1, 2]\) is being sorted using bubble sort. Fill in the blanks to show the list after each pass.

After the 1st pass: \([2, 8, 7, 3, 1, 2, 8]\)

After the 2nd pass: \([2, 7, 3, 1, 2, 8, 8]\)

After the 3rd pass: \([2, 3, 1, 2, 7, 8, 8]\)

After the 4th pass: \([2, 1, 2, 3, 7, 8, 8]\)  

After the 6th pass: \([2, 2, 3, 7, 8, 8]\)  

After the 5th pass: \([2, 3, 1, 2, 7, 8, 8]\)  

After the 7th pass: \([2, 3, 1, 2, 7, 8, 8]\)

5. List \([1, 5, 8, 7, 6, 1, 7]\) is being sorted using selection sort. Fill in the blanks to show the list after each pass.

After the 1st pass: \([1, 5, 8, 7, 6, 1, 7]\)

After the 2nd pass: \([1, 1, 8, 7, 6, 5, 7]\)

After the 3rd pass: \([1, 1, 5, 7, 6, 8, 7]\)

After the 4th pass: \([1, 1, 5, 7, 6, 8, 7]\)

After the 5th pass: \([1, 1, 5, 6, 7, 8, 7]\)

After the 6th pass: \([1, 1, 5, 6, 7, 8, 7]\)

After the 7th pass: \([1, 1, 5, 6, 7, 8, 7]\)

6. List \([6, 8, 2, 1, 1, 9, 4]\) is being sorted using insertion sort. Fill in the blanks to show the list after each pass.

After the 1st pass: \([6, 8, 2, 1, 1, 9, 4]\)

After the 2nd pass: \([6, 8, 2, 1, 1, 9, 4]\)

After the 3rd pass: \([2, 6, 8, 1, 1, 9, 4]\)

After the 4th pass: \([1, 2, 6, 8, 1, 9, 4]\)

After the 5th pass: \([1, 1, 2, 6, 8, 9, 4]\)

After the 6th pass: \([1, 1, 2, 6, 8, 9, 4]\)

After the 7th pass: \([1, 1, 2, 4, 6, 8, 9]\)

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not much work.  

If this was 0  

would have been a lot of work.