In a descending order, if we are sorting an array:

- Choose a pivot value (e.g., the leftmost element of the array).
- Compare each element with the pivot. If the element is greater than the pivot, it is placed before the pivot; otherwise, it is placed after.
- Repeat the process recursively on the sub-arrays.

This will result in a sorted array.

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Quick Sort:

- Always select the leftmost element of the partition as the pivot.
- Partitioning pattern as quick sort is performed.
- Sorted using quick sort. Justify your answer by drawing the resulting sorted data. Is sorted and associated with the worst-case scenario of quick sort once it has been created.

Will this data 15 12 10 9 7 6 5 4 create the partitioning pattern?
Sorting in ascending order:

45679101215

Sweep:

Sweep:

Sweep:

Sweep:

Yes, if we are sorting in ascending order.

Propose a method for sorting in ascending order.