Merge sort:

30 13 22 90

[30 13] [22 90]

[30] [13] [22] [90]

[13 30] [22 90]

[13 22 30 90]

Bubble sort:

30 13 22 90

[30 13 22] 90

[13 22] 30 90

13 22 30 90

Selection sort:

30 13 22 90

13 [30 22 90]

13 22 [30 90]

13 22 30 [90]

In the me merge sort, it moves four times and comparisons two times.

In the me bubble sort, it moves three times and comparisons three times.

In the me selection sort, it moves three times and comparisons three times.

Bubble sort is best performing method for sorting this array.

Merge sort is the worst arrangement of this sequence.