Algorithms → Sorting algorithms → Merge sort

Merge sort → Statements

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Select correct statements about **merge sort**.

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☑ After merging two arrays { 0, 1, 1, 2, 2, 3 } and { 1, 3, 4, 5 }, the result is { 0, 1, 1, 1, 2, 2, 3, 3, 4, 5 }.

☐ The bottom-up implementation has the better time complexity than the top-down implementation.

☑ In typical implementation it's not an in-place algorithm.

☐ In the algorithm, **selection** is the main operation that finds the maximum/minimum element in parts of an input array.

✓ Correct.

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