

Bubble Sort Review

<1 min

Bubble sort is an

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[algorithm](#)

to sort a list through repeated swaps of adjacent elements. It has a

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[runtime](#)

of $O(n^2)$.

For nearly sorted lists, bubble sort performs relatively few operations since it only performs a swap when elements are out of order.

Bubble sort is a good introductory algorithm which opens the door to learning more complex algorithms. It answers the question, “How can we algorithmically sort a list?” and encourages us to ask, “How can we improve this sorting algorithm?”

Instructions

Does bubble sort have to sort in ascending order?