

SEMINAR 12

1. Complexități (continua)
2. Sortări
 - a) Implementare în timpul seminarului: *merge sort*
 - b) Also required for exam: Bubble sort, Insertion sort, Selection Sort, Quick Sort

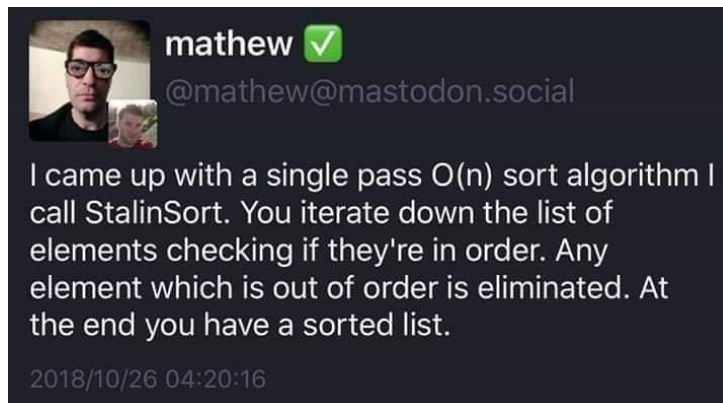
VISUALIZATIONS:

<https://www.cs.usfca.edu/~galles/visualization/ComparisonSort.html>

[Algorhythms](#) (dancing + sorting examples...)

¹[Strangest sorting algorithms](#)

[Stalin Sort](#)



[Bogosort](#) and...

...Quantum Bogosort:

1. Randomly shuffle the elements of the list.
2. If the list is not sorted, destroy the universe.
3. Any surviving universes will then have the sorted version of the list.

Works in $O(N)$ time. This algorithm relies on the accuracy of the many worlds theory of quantum mechanics.

¹ Do not use in exam...or anywhere else, really