

Exercise 7a – Sort I

Given the sequence:

23 78 10 21 56 90 54 12 32 95 1 78 50

show the steps needed to do an **insertion sort** on the list.

Using big-O notation, what's the worst-case run-time of insertion sort?

Given the sequence:

23 78 10 21 56 90 54 12 32 95 1 78 50

show the steps needed to do a **selection sort** on the list.

Using big-O notation, what's the worst-case run-time of selection sort?

Given the sequence:

23 78 10 21 56 90 54 12 32 95 1 78 50

show the steps needed to do a **bubble sort** on the list.

Using big-O notation, what's the worst-case run-time of bubble sort?