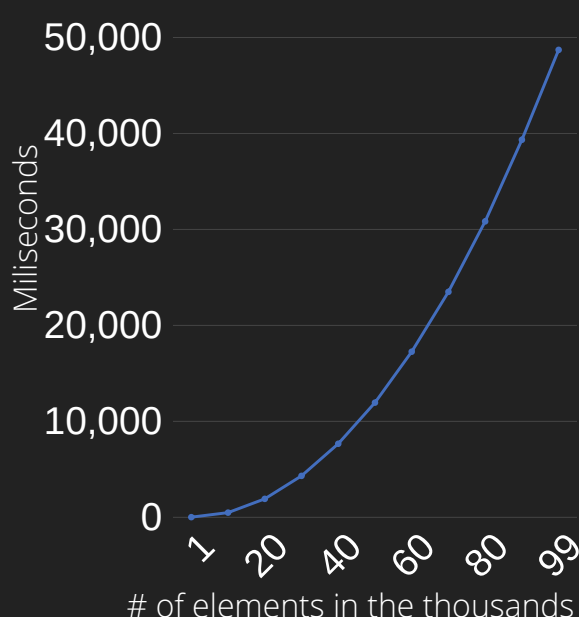


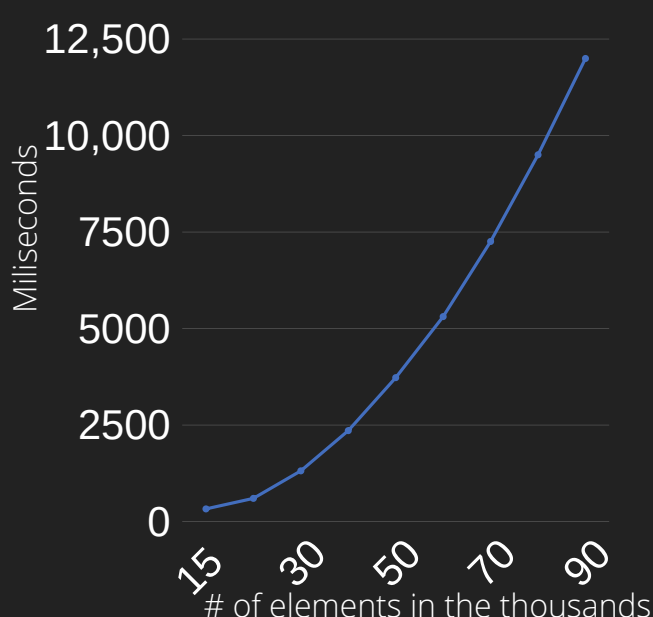
Iterative sorting!

WHICH ITERATIVE ALGORITHM IS BETTER?

BUBBLE SORT



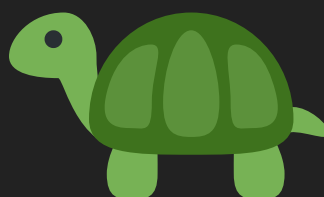
SELECTION SORT



Selection is
faster

BUBBLE SORT TOOK
WAY MORE TIME THAN
SELECTION SORT

BUBBLE SORT IS VERY
SLOW COMPARE TO
SELECTION WHICH IS
ALREADY SLOW



IMPROVING BUBBLE SORT?

Adding a flag

You can add a flag for
the sorting to stop
when there where no
swaps

Did it work?

It only really improves if
the array is already
sorted.

Becomes: $O(1)$

SO, SHOULD I BE USING BUBBLE SORT?

THERE ARE OTHER EASY TO IMPLEMENT ITERATIVE
ALGORITHMS, BETTER USE THOSE



HOPE YOU LEARN
SOMETHING