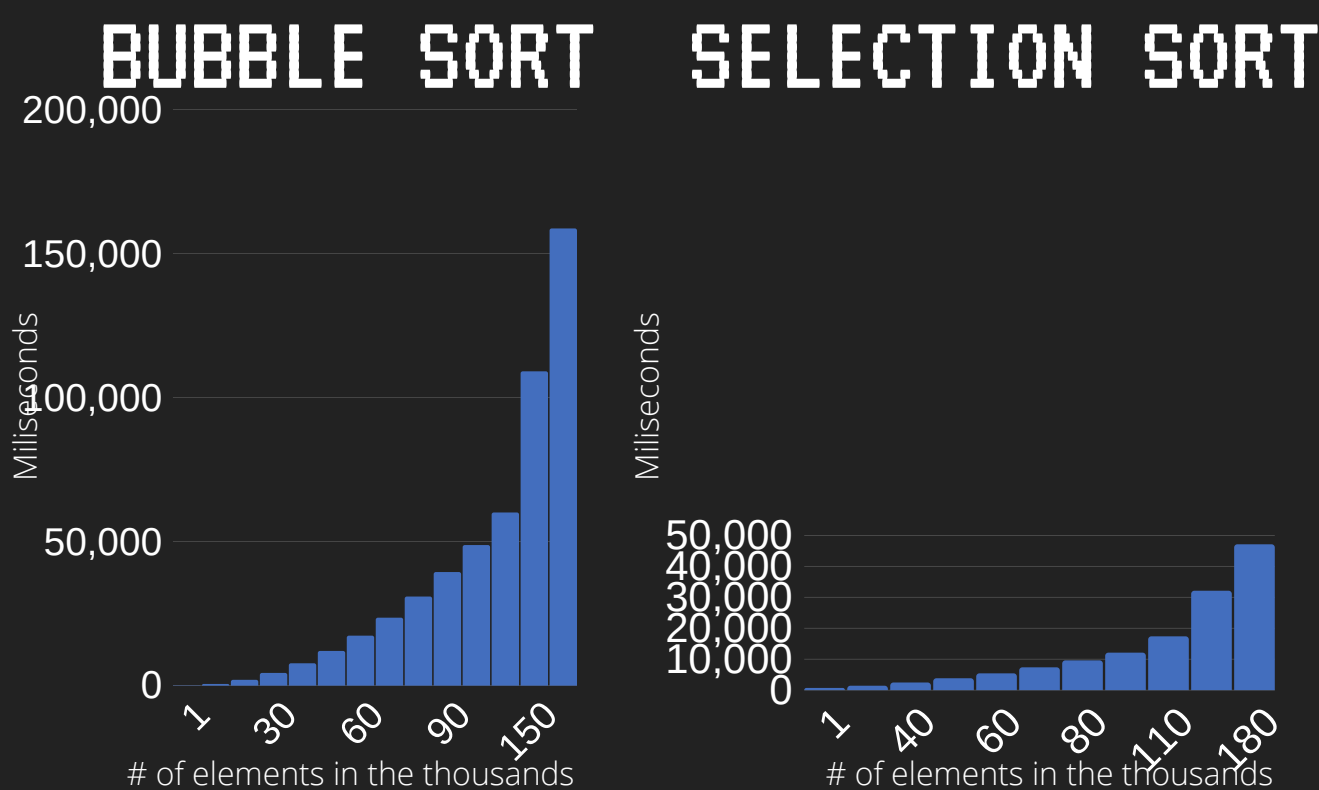


Iterative sorting!

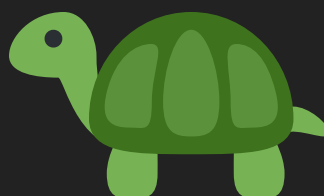
WHICH ITERATIVE ALGORITHM IS BETTER?



**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

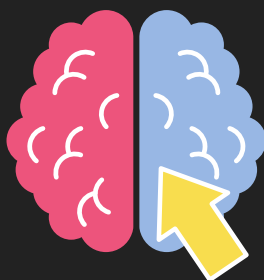
Did it work?

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