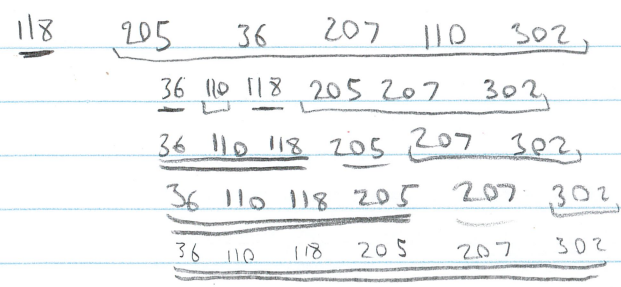


Alg

Quicksort
(Vanilla)



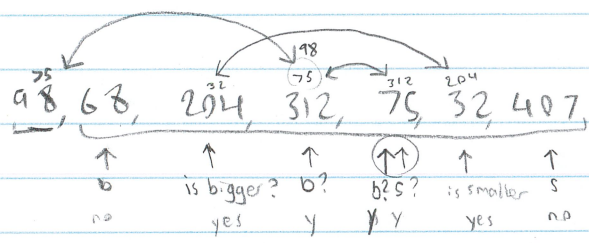
2 Pivots

Still vulnerable to min/max

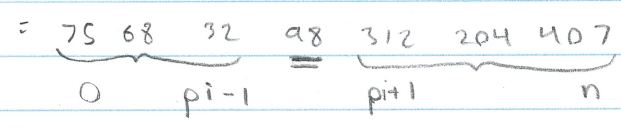
3 +

Gets a decent value

Pointer implementation



★ recursive problem

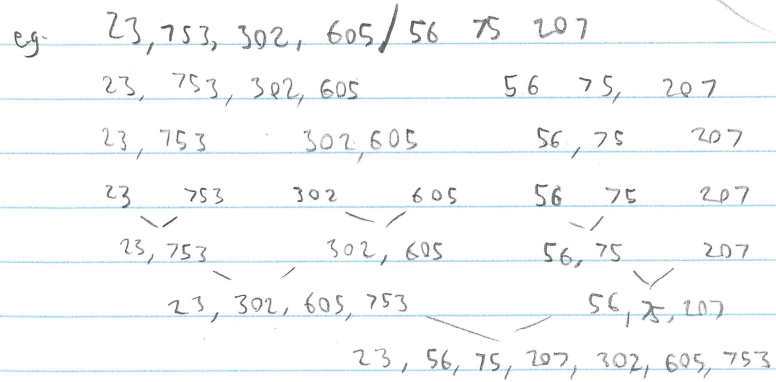


★ A list of one is always sorted

Merge Sort

- ① Divide tasks into ones
- ② Combine into sorted lists

pass list by reference



②

10/31

Alg

Shell sort

$$\begin{array}{r} \underline{203} \\ \times \end{array} \quad \begin{array}{r} \underline{63} \\ \underline{56} \end{array} \quad \begin{array}{r} 753 \\ \hline \end{array} \quad \begin{array}{r} 302 \\ \hline \end{array} \quad \begin{array}{r} \underline{605} \\ \times \end{array} \quad \begin{array}{r} \underline{56} \\ \underline{63} \end{array} \quad \begin{array}{r} 75 \\ \hline \end{array} \quad \begin{array}{r} 207 \\ \hline \end{array}$$

75

=

207

753

=

302

$$203 \quad 56 / 75 \quad 207 / 605 \quad 63 / 753 \quad 302$$