Overview (so far)

Binary search

Merge sort

Quicksort

Selection

] Divide + Conquer — recursive (easy)

Iterative tree traversals

Expression evaluation (mainly iterature

] Recursive (easy) → Iterative (fun)

Divide and Conquer

looser version

Divide problem into k parts.

Do something with each part.

Combine parts.

See Master Theorem

~~for (i = 0 to n)~~ {

for (i = n ; i >= 0 ; i /= 2 or k) {

3

probably (D n Q)

Merge sort of array using conventional method requires * copying data.

Quick sort is in-place.

Both are O(n) space complexity.