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Journal week 6

CS-260

* Binary tree algorithms can be complicated: Are they worth the effort? Recall the characteristics of sort algorithms that use a binary “divide and conquer” technique.

The problem with trees is trying to keep them balanced. If the order of numbers is given in order then a tree would be unbalanced causing all searching to be extremely slow.

* If each node of a tree is large (i.e., contains a large amount of data), then available memory may be a limiting factor. What can be done to allow an extremely large tree with hundreds of thousands (or even millions) of nodes to be built and managed?

Trees are similar to linked list just instead of linking to only one Node it can linked to multiple nodes. The only way I can think of to manage such a problem Is to make sure the tree is balanced. Balancing the tree will help in all factors as well as sorting and searching as well. Other than that my other suggestion is to up the memory of the device you’re using.