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Unit 5 Submission 1

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The purpose of this academic mini paper is to demonstrate knowledge in dynamically programming a binary tree and breaking down the tree into subproblems, subtrees, using the optimal binary search tree algorithm. Each node is assigned a key and a frequency, the goal was to essentially manipulate the subtrees and basically traverse them in different orders so that the frequency is multiplied by different amounts each time. This will let us find the optimal BST. I believe I understood the layout of the way it was supposed to be programmed; I made the frequency for each node increment by 1.

Text

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