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Segment Tree Psuedo Code
Creation/Insertion:
create_segTree(node,startIndex,endIndex){
        if node > last node in a full & complete segment tree
               return;
        if startIndex == endIndex
               return;
        if (node == 1 (the root node))
               segmentTree[node] = sum of startIndex to endIndex;
               segmentTree[node LeftChild] = sum of left side of initial value array;
               segmentTree[node RightChild] = sum of right side of initial value array;
        else
               segmentTree[node LeftChild] = sum of left side of initial value array;
               segmentTree[node RightChild] = sum of right side of initial value array;
       //Two recursive calls that split initial array in half
       create segTree(node LeftChild, startIndex, (startIndex+endIndex)/2);
        create_segTree(node RightChild, ((startIndex+endIndex)/2) + 1, endIndex);
}
Summing/Searching:
findSegSum(node, startIndex, endIndex, leftIndex (of range), righIndex (of range)) {
if leftIndex \rightarrow rightIndex is contained in startIndex \rightarrow endIndex
       return the value at node
if leftIndex \rightarrow rightIndex is completely out of startIndex \rightarrow endIndex
        return 0;
//Two recursive calls that split initial array in half
findSegSum(node LeftChild, startIndex, (startIndex+endIndex)/2, leftIndex, rightIndex);
findSegSum(node RightChild, ((startIndex+endIndex)/2) + 1, endIndex, leftIndex, rightIndex);
//returns the sum of both recursive calls when they all hit base cases
```