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BTKeysAtSameLevel2 non-programming write-up

Double Ratio Estimate: 2.0

My algorithm is $O(n)$ because it only requires traversing through the string once.

```
//psuedo code
Checks charAt[0] for integer
Adds a list to list of lists
Adds the first integer to the first list
For loop that runs though char[1-n] of string
    Checks if charAt[n] is "("
        add "(" to a stack
        make listcounter equal to the size of the stack
        if listcounter is > size of the list of lists
            add a new list to list of lists
    else checks if charAt[n] is a digit
        get the list at the index marked by the listcounter and add that digit to the list
    else (only other option is that its ")")
        pop from the stack
Return the list of lists
```

Even in a worst case scenario the string is only traversed once.

Since I'm using array lists the getting of the lists to add to is constant and the pushing and popping from the stack is also constant.