

1) I think the answer is  $O(n \cdot k \cdot l)$  when  $n$ =main list length, sublist length =  $k$ , and list of adjacent nodes has length  $l$ . This is because the Brute Force method will loop through the main list once, then the combinations of the sublist, and finally check if they're in the list of combinations.

2)  $MRC(2^n)$ , (MRC = Maximum Recursive Calls). This is because the maximum because there are 2 recursive calls of  $n$ , therefore  $2^n$  calling  $n = 2^n$

3) I tried to take a look and quickly got very confused. I found this whole tutorial very confusing and likely got large amount incorrect.