Doubts

1. <https://maang.in/problems/Count-Distinct-Char-in-Substrings-62?resourceUrl=cs119-cp574-pl3858-rs62>  
   2. why DFS is used in recursion code in Day-25 Q3.

https://maang.in/problems/Generate-Balanced-Parenthesis-medium-version-485?resourceUrl=cs119-cp574-pl3871-rs485

3.genrating balancced parenthesis of depth K

4.iterating over subset of subsets…

Smask = (smask - 1) ^(mask) ???

Why not smask ^= (smask-1) ?? or any other number XORed

1. MSB of -3 is 63 or 1 ???
2. bit expression are sum indeoendent on each bit ???   
   what does this imply
3. In L-R query it was told that we use Segment tree but   
   keeping the prefix count of set bits also works….so where to use segment tree ???