

Problem: Subset

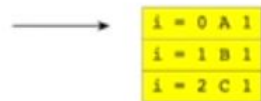
By-Shobhit

Overview:

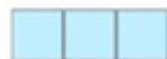
Input: ABC

Output: [], [A], [B], [C], [A,B], [A,C], [B,C], [A,B,C] i.e. return power set

Similar to permutation problem except the for loop will not start from 0 because order matters.

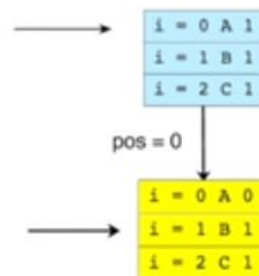


Subsets

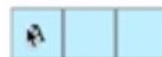


len = 0

output

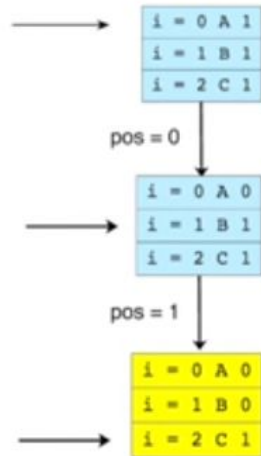


Subsets
A



len = 1

output

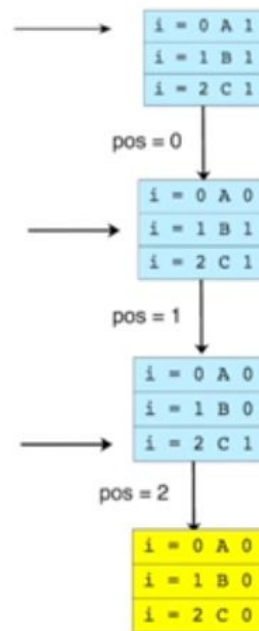


A B

len = 2

output

Subsets
A
AB

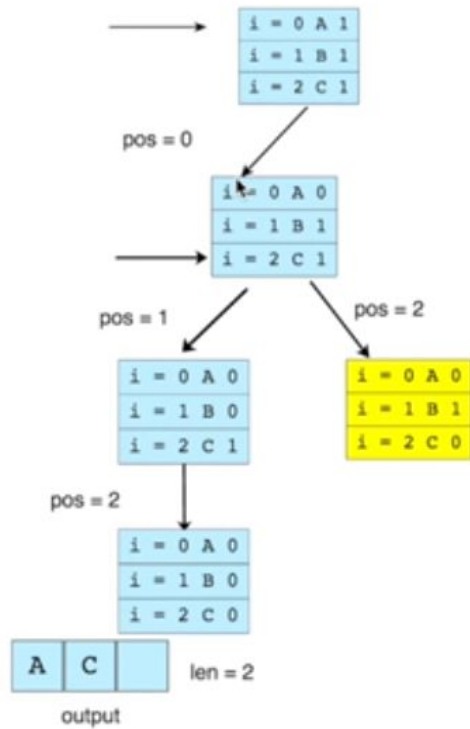


A B C

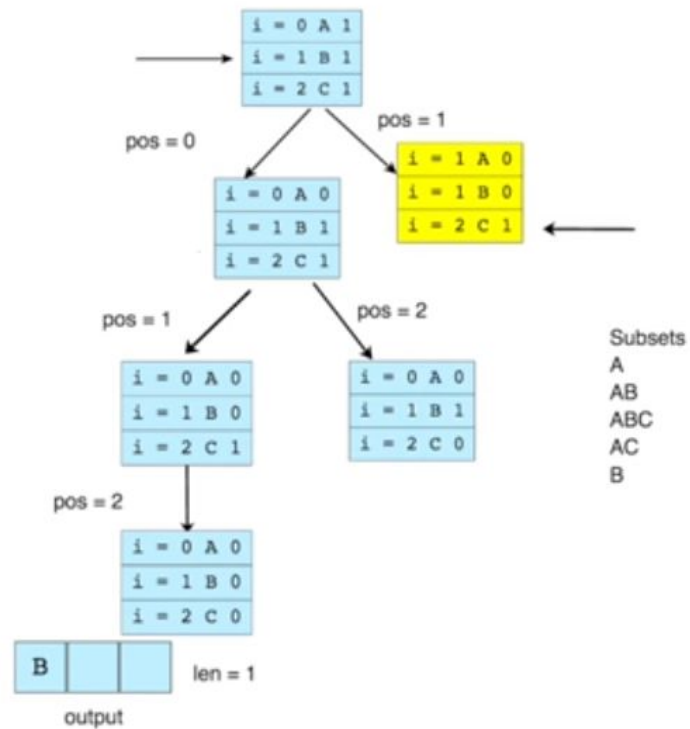
len = 3

output

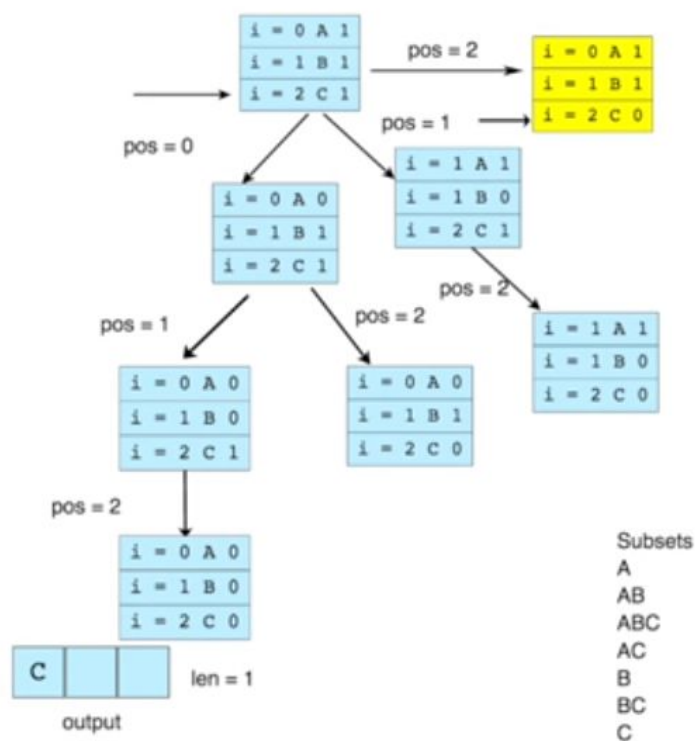
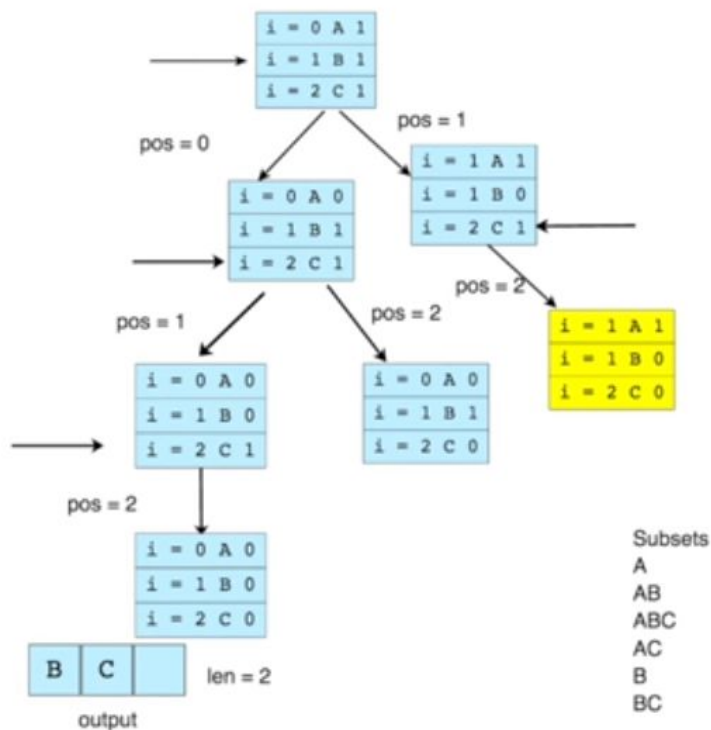
Subsets
A
AB
ABC



Subsets
A
AB
ABC
AC



Subsets
A
AB
ABC
AC
B



Thank You