f(0, [])

f(1, [3])   f(1, [])

f(2, [3])   f(2, [3])   f(2, [])   f(2, [])

f(3, [3]) f(3, [3]) f(3, [3]) f(3, [3])   f(3, []) f(3, []) f(3, []) f(3, [])

2 1 2
3 1   4
3 2
3

1 2
1
2
{}   4

Recursion method to print subsequences