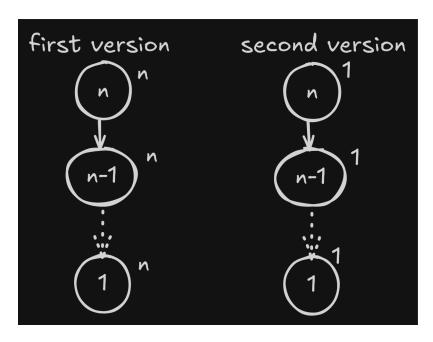
1)

base case: return last element if its got length of 1 recusrion: create sublist of list[1:] and add to index 0, keep shrinking list till base case is reached

2)



• first version

• each recursive call makes a slice of list costing O(n-i) where i increases by 1 each for each recursive call making total time into n(n-1) which gives $O(n^2)$ (quadrati ctime)

second version

• each call performs only constant time operation sthere fore the total number of calls is n each taking constant time making the total $O(n^2)$ (linear time)

3)

second version is much faster since it takes less time per call