

steps	dendrogram	cluster_list (index from 0)	current level res	clusters in this level
init		[[0],[1],[2],[3]]	[0,1,2,3]	cluster_list[0]= [0] => 1 cluster_list[1]= [1] => 2 cluster_list[2]= [2] => 3 cluster_list[3]= [3] => 4
step1		[[0],[1],[2],[3],[1,2]]	[0,3,4]	cluster_list[0]= [0] => 1 cluster_list[3]= [3] => 4 cluster_list[4]= [1,2] => 2,3
step2		[[0],[1],[2],[3],[1,2],[1,2,3]]	[0,5]	cluster_list[0]= [0] => 1 cluster_list[5]= [1,2,3] => 2,3,4
step3		[[0],[1],[2],[3],[1,2],[1,2,3],[0,1,2,3]]	[6]	cluster_list[6]= [0,1,2,3] => 1,2,3,4