Use tree set & Tree map for task a and b

Subset, submap

Subset C & D

Rank avl tree

Subset & Size in log n time

Subset(20…65) = 6 – 1 = 5

Rank(20) = 1 (lgn time)

Rank(65) = 6 (lg n time)

Update size → size of left + itself + right

Rank = left size + 1

DO not store rank, just store size

<https://stackoverflow.com/questions/26080924/computing-rank-of-a-node-in-a-binary-search-tree>

Don’t use the code