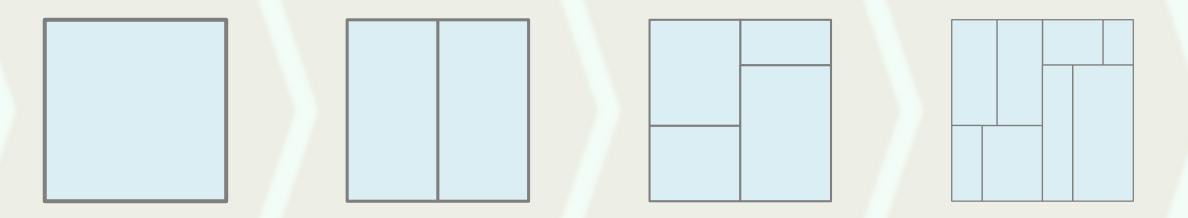
BST Application

kd-Tree: 2D

凡见字数,如停匀,即平分一半为上卦,一半为下卦。如字数不均,即 少一字为上卦,取天轻清之义,以多一字为下卦,取地重浊之义 邓 後 辉 deng@tsinghua.edu.cn

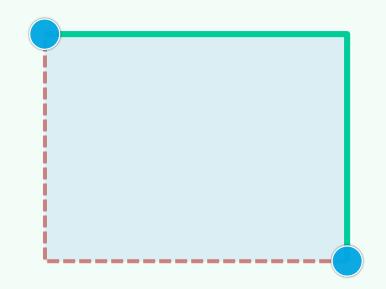
Divide-And-Conquer

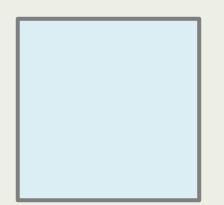
- ❖ To extend the BBST method to planar GRS, we
 - divide the plane recursively and
 - arrange the regions into a kd-tree
- ❖ Start with a single region (the entire plane)
 Partition the region vertically/horizontally on each even/odd level
 Partition the sub-regions recursively

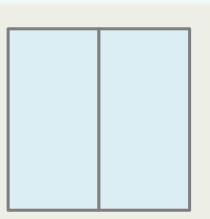


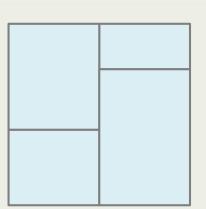
More Details

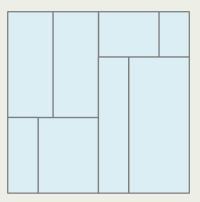
- ❖ To make it work,
 - each partition should be done
 as evenly as possible (at median)
 - each region is defined to be open/closedon the left-lower/right-upper sides



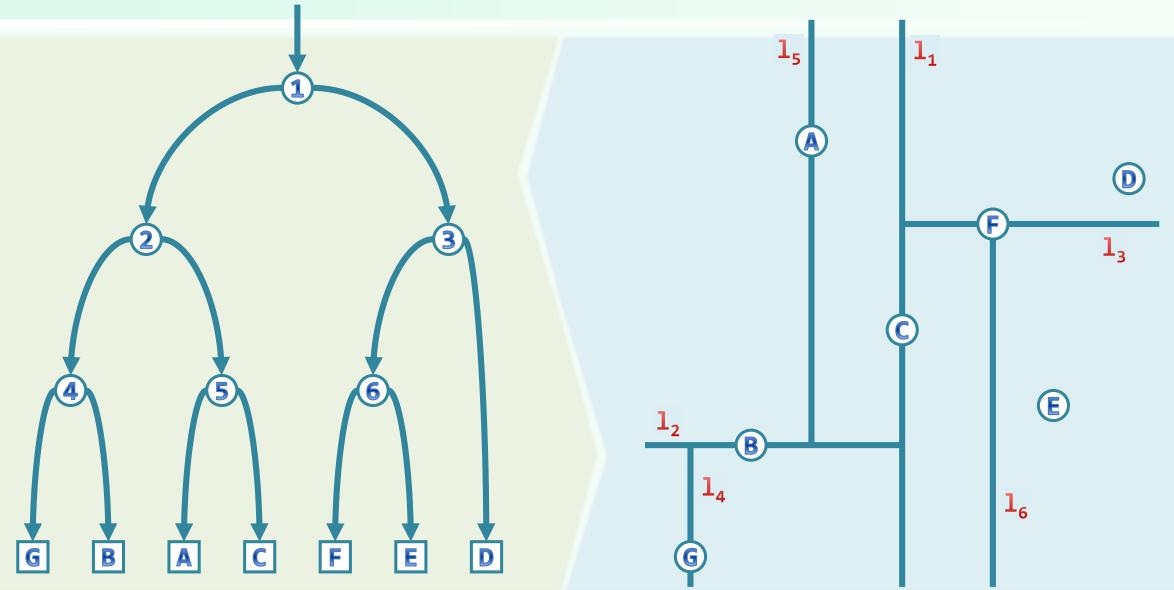








Example



Quadtree

