09-B5

BST Application

kd-Tree: Query

邓俊辉
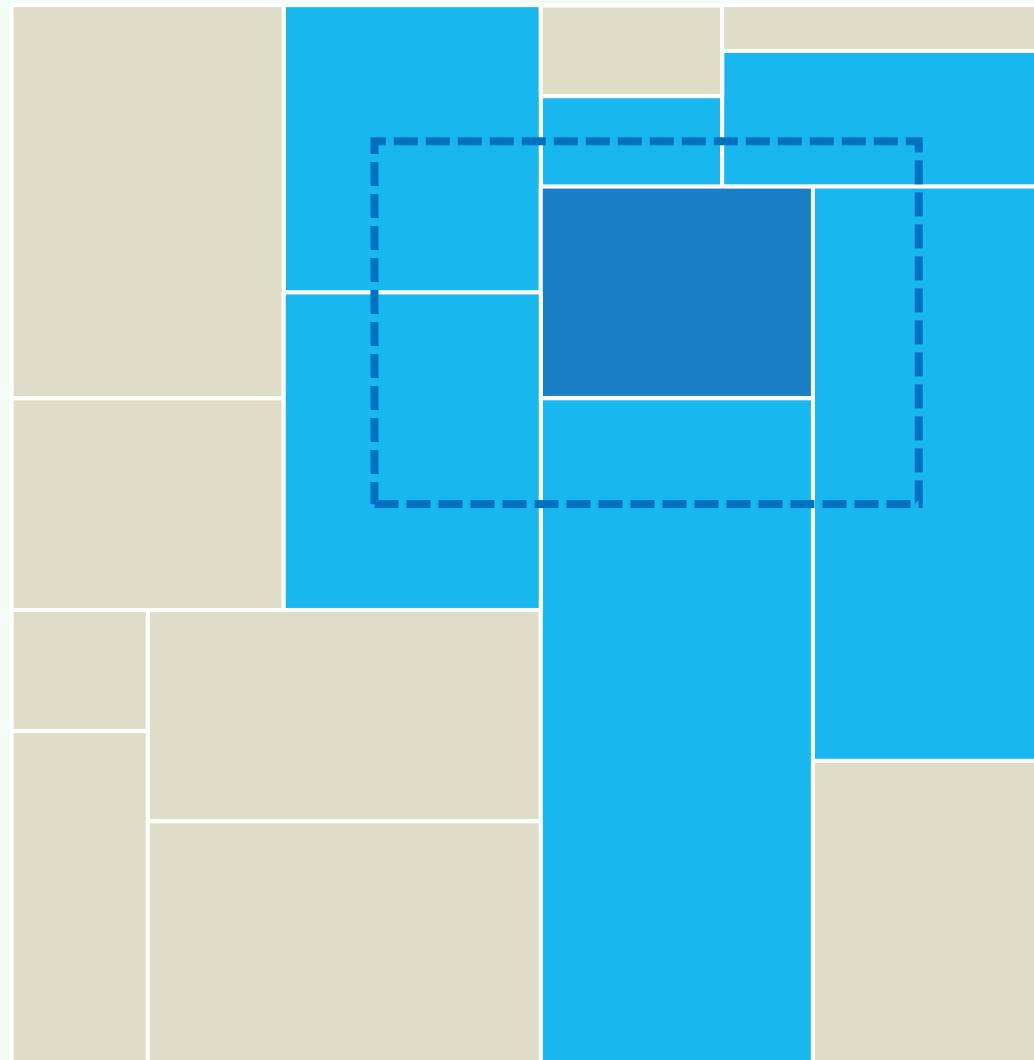
deng@tsinghua.edu.cn
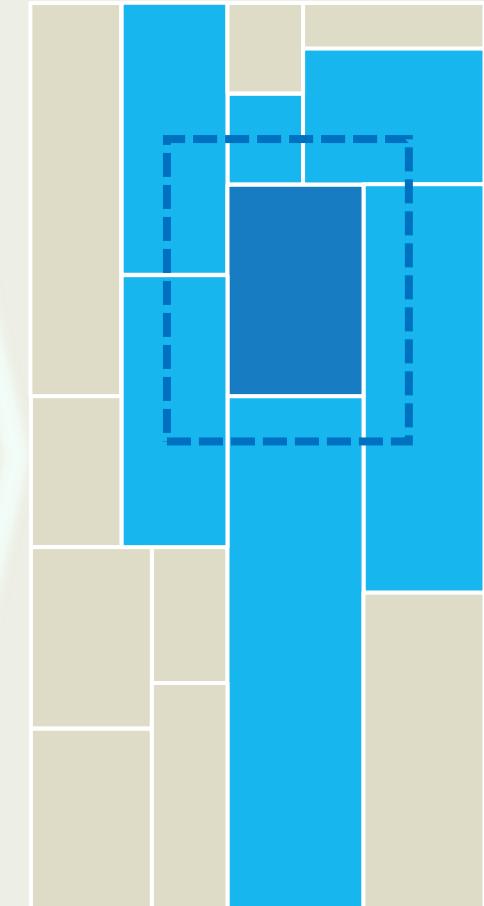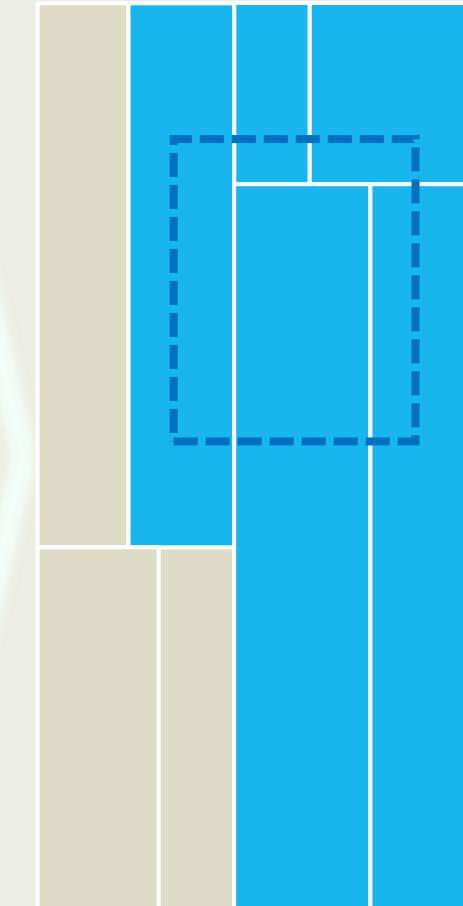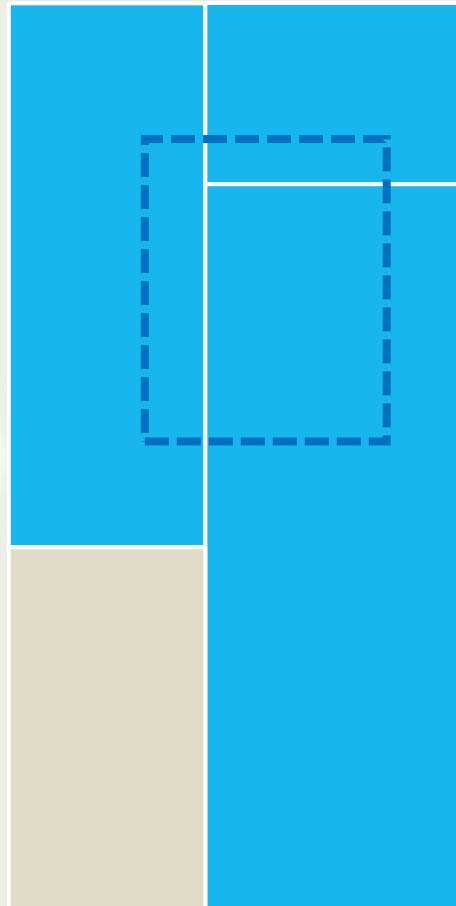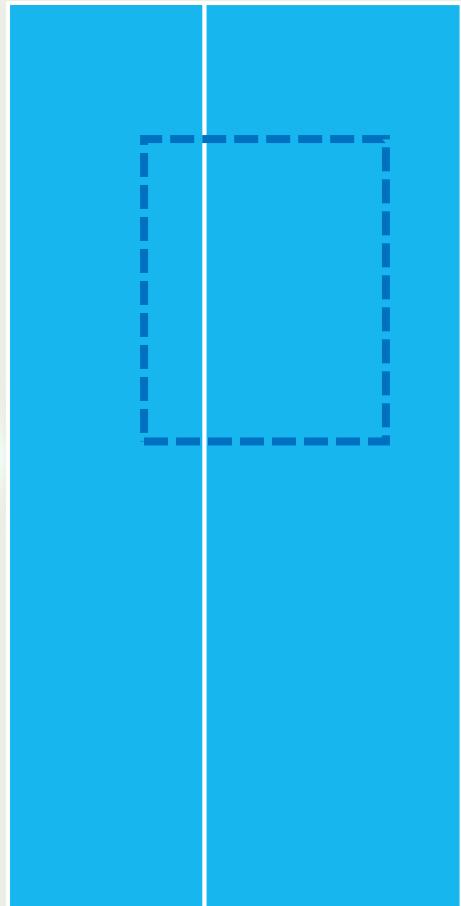
❖ **if (isLeaf(v))**

    if (inside(v, R)) report(v)

    return

❖ **if (region(v->lc) ⊆ R)**

    reportSubtree(v->lc)

  else if (region(v->lc)∩R ≠ ∅)

    kdSearch(v->lc, R)
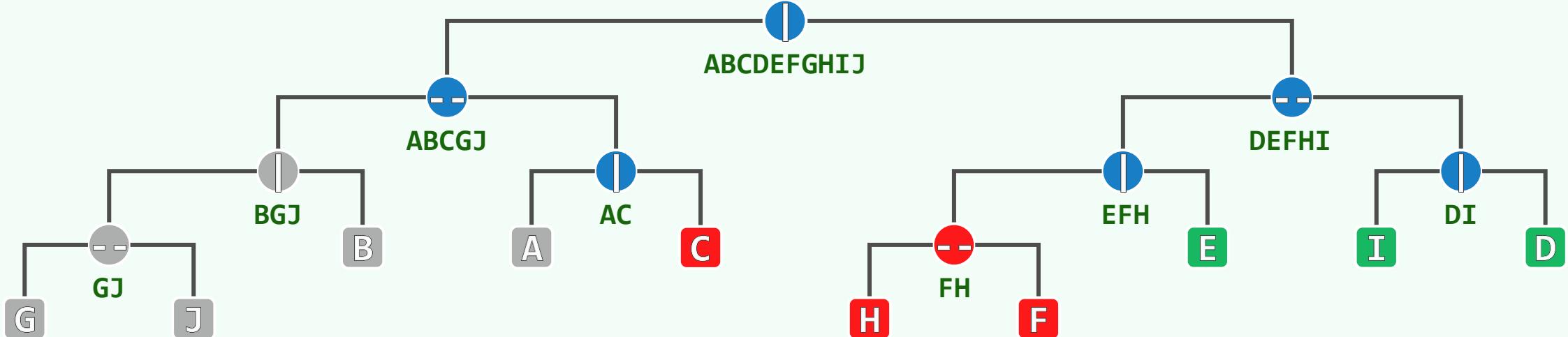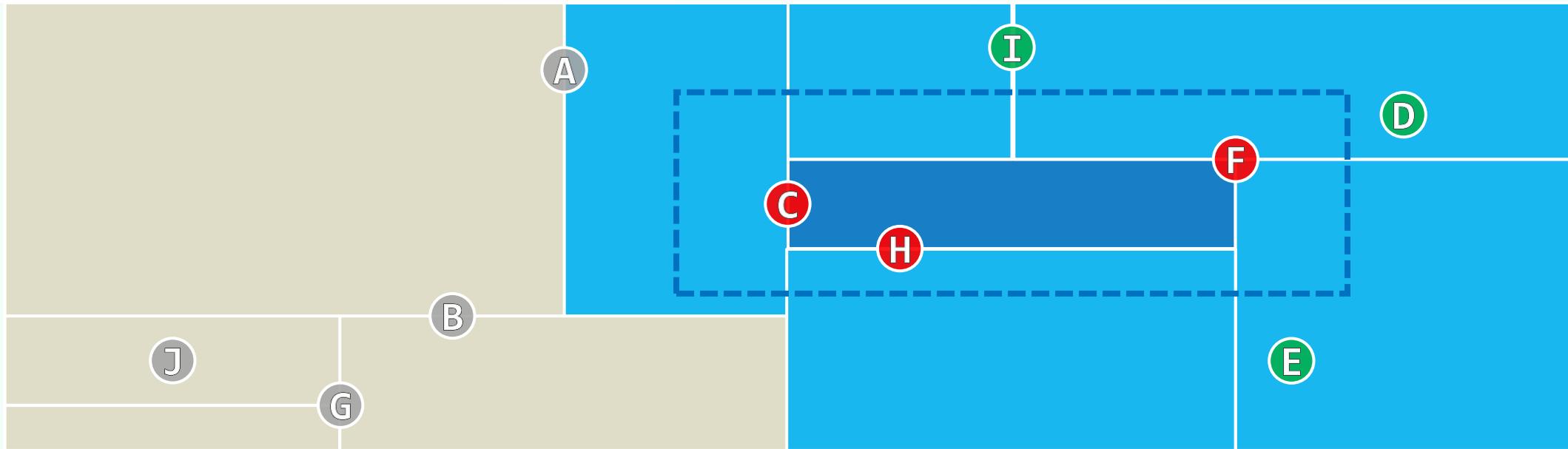
❖ **if (region(v->rc) ⊆ R)**

    reportSubtree(v->rc)

  else if (region(v->rc)∩R ≠ ∅)

    kdSearch(v->rc, R)

Example

Example

Bounding Box