BST Application

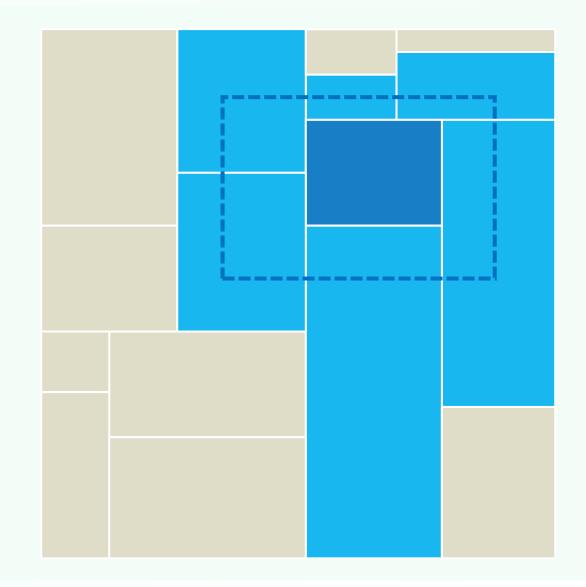
kd-Tree: Query

我们竟为这无用的找寻浪费了这么多天! 我想找寻的心上人绝对不会在这里出现。

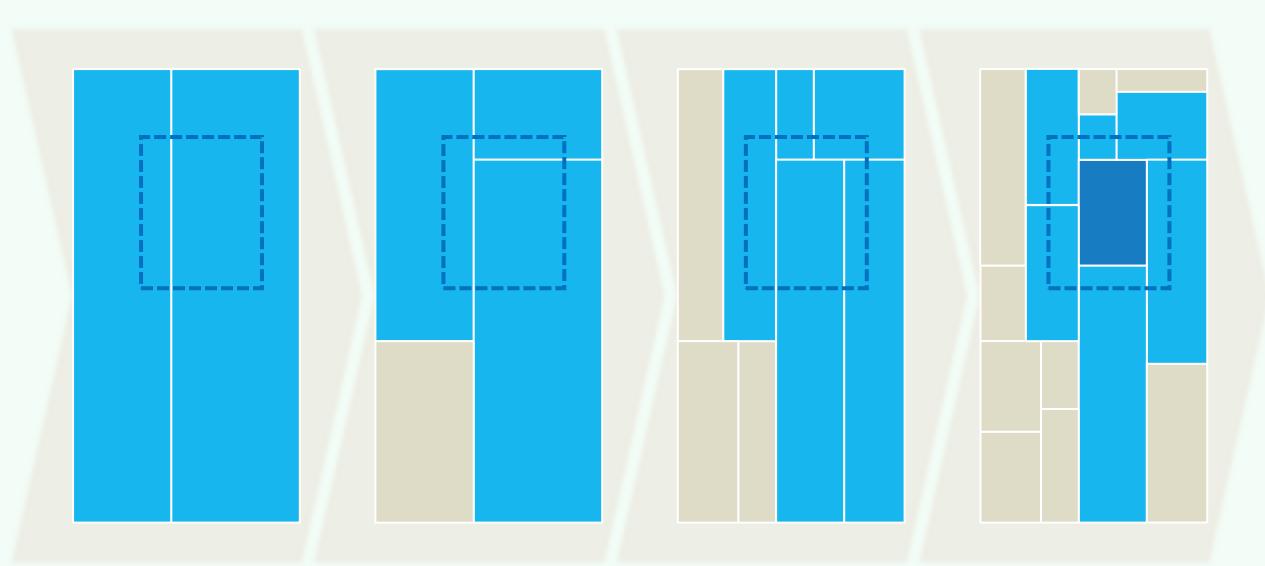


kdSearch(v,R):热刀来切完(logn)层巧克力

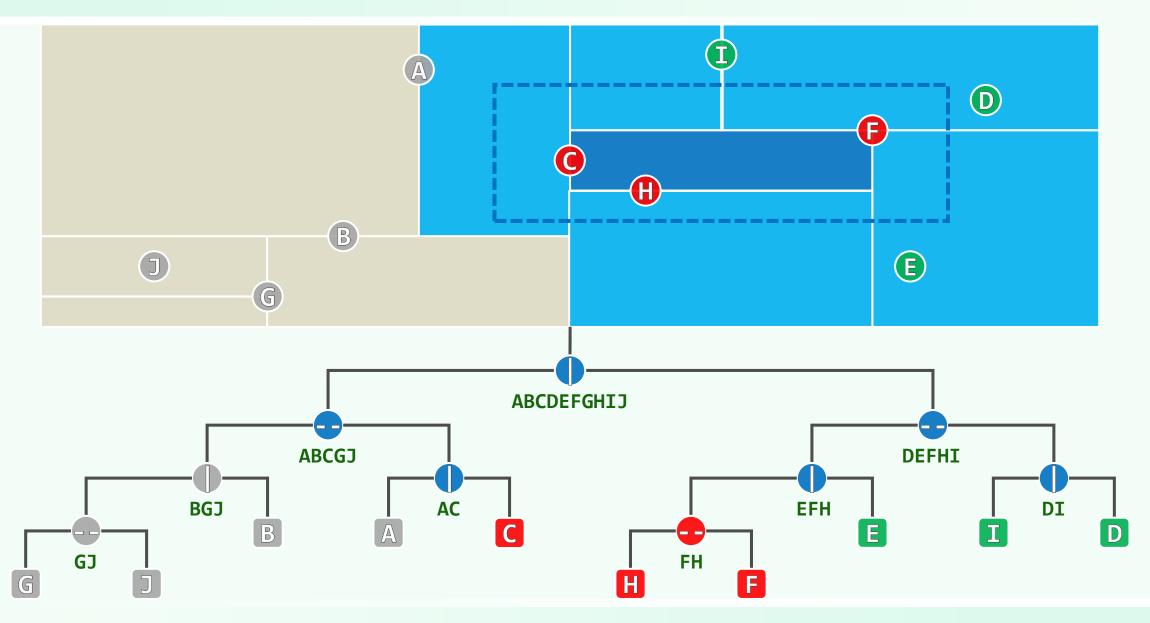
```
 if ( isLeaf( v ) )
      if ( inside( v, R ) ) report(v)
      return
\Leftrightarrow if (region(v->lc) \subseteq R)
      reportSubtree( v->lc )
  else if ( region( v \rightarrow lc ) \cap R \neq \emptyset )
      kdSearch( v->lc, R )
\Leftrightarrow if (region(v->rc) \subseteq R)
      reportSubtree( v->rc )
  else if ( region( v \rightarrow rc ) \cap R \neq \emptyset )
      kdSearch( v->rc, R )
```



Example



Example



Bounding Box

