**private void** findNnNode(Node node, Deque<Node> nodeStack,Nn nn,  
 DistanceCache distanceCache) {  
 nodeStack.push(node);  
 **if** (node.isLeaf()) {  
 **boolean** update = **false**;  
 IntArrayList children = node.getChildren();  
 **for** (**int** i = 0; i < children.size(); i++) {

/……/遍历叶节点的所有数据点,找到距离最近的数据点  
 }//   
 **if** (update) {  
 nn.nodeStack.clear();  
 nn.nodeStack.addAll(nodeStack);//保存节点路径  
 }  
 } **else** {  
 **int** vpDocId = node.getVpDocId();  
 **float** distance = distanceCache.distance(vpDocId);  
 ++queryStat.distanceFunctionVpInvocations;  
 **if** (Float.compare(distance, nn.distance) < 0) {  
 /……/更新NN结果及路径  
 }  
 FloatArrayList cBounds = node.getCBounds();  
 **int** size = cBounds.size() / 2;  
 Node[] cNodes = node.getCNodes();  
 **float** low, high;  
 **for** (**int** i = 0; i < size; i++) {  
 low = cBounds.get(i \* 2) - nn.distance;  
 high = cBounds.get(i \* 2 + 1) + nn.distance;  
 //以当前最近数据点的距离作为剪枝容忍距离  
 **if** (Float.compare(distance, low) >= 0 &&

Float.compare(distance, high) <= 0) {  
 findNnNode(cNodes[i], nodeStack, queryStat, nn,

distanceCache);  
 }  
 }  
 }  
 nodeStack.pop();  
}