1BM8CS077 LAB 5 Rapul Patil void Iree:insert(intk) { if (root == NULL) { root = new IreeNode(true); root -> keys[0] = k; root -> n = 1; else { ig(root-> n == 3) { TreeNode \*s = new TreeNode (false); s -> child[0] = root, s-> splitChild(0, root); inti=0; ig(s -> keys[0] < k) i++; s -> child[i] -> inserthonfull(k); root = s. root-inserthonfull(k): void IreeNode::remove(intk){ intidx = findKey(k); if(idx < n « keys[idx] == k) { if(leaf) remove+romLeaf(idx);

| else remove From Non Leag (idx);  |
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| Else {  |
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| if (leaf) {     cout < "The key doesn't exist \n"; }  |
| return;   |
| 3   |
| bool flag = ((idx == n)?true false);  if (child[idx] -> n < 2) fill(idx);  if (flag «« idx > n) child[idx - 1] -> remove(k);  else child[idx] -> remove(k); |
| if (child (idx) -> n < 2) fill (idx);   |
| if (flag « idx » n) child (idx - 1] -> remove (k);  |
| else Child[idx] -> remove(k);   |
| }   |
| return;   |
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