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4. Birce Intertion:

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int n, t, * Keys;
BireeNode **C;
bool leaf;

BTree

BTreeNode *root;

BIreenJode: BIreenJode (int t1, bool 1)

t=t1; leaf=l;

Keys = new int[2xt-1]; C = new Birenode * [2xt]; n=0 void Biree: insert (int K) 94 (TOOT == NULL) root = new BTreeNode (t, true); root -> Keys[o] = K; 700+ -> n = 1; if root =>n == 2xt-1 f BTreeNode +s = new Bireenode (t, false); 5-7 ([0] = 7009; s > splitchild (0, root) int 120; if (S=>Key[o] <K) S-> C[i] -> insert Non Full (K)

else f root -> intert Non Full (K); void BTree Node: insert Not Full (int K) if (leaf == tove) { while (i>=0 & ReystiJ>K) Keys[i+1] = Keys[ig; while (i>=0 ff Keystij>K)

y->n=-1-1; fox(infj=n,j>=iti,j=-) CEjtiJ=CEjJ $C\Gamma_{j+1}J=Z_{j}$ for (int j= n-1; j>=i; j--) Keys [j+1] = Keys [j]; Keys[j] = y -> Reys[t-1]; n=n+1;