1-2 × 6 - 1 + 130 / 14 hab 7 - horte a program to implement uscertion operation 1) Intialize a aprovod 2) behåe i ig not leaf de following a) Find the child of 2 that & going to be traveled not bet child be y. b) If y is not full, charge x to part y c) If y is full, split it & change i to pour to one of two parts of y. If k is smaller than mid key ing then set a as the first part of y. Elege second part of y. When we split y we move a key form y to 3) The loop in step 2 stops when i is keaf inner shave spoce for lextra key as use have been splitting all vodes in advance. So simply insent t Rudocoele if (loot = = NUCC) loot= new 8 see Node (t, true)

(wot -) n == 2*t-v Bhænde +8 = new Stelenbode (+, false). 8 > spritchild (0, lost); ils (8-5 keys [0] < k) 8 > CCi] > Kneet Nonfull (K loot-singertronfull(h); inject Non Full (out h) if (leaf = = temp) while (i>=0 lk keys [i]>k] keys[iti]= hegs[i];

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while (i>=0 ld keys (i) 7k C[itil > ine cet Nonfull (N) void splithild (int i, Bleenvoole *4) Btace Node 12 = new BTreeNode (4) > t/ y > lent) [02 (j=0;j<+-1;j++) 2 > beys(j) = y > keys (j+t); y (y->leaf== false) for [intj=0]j(t;j=0)
z+([j]=9>([j+t];

foeli=n; j>=i+1;j--) c(j+i]=c(i)]; (C)+1]= 2; (0) (j=n-1/1/2=i/j-1) kegs (j-1i] = kegs [j]; kegs[i]= y bys[+-1]; ハーハナリ