10b-2. Lectured problem - 2583.

Kith langual sum in a binary tree. int height (shurt Treemode\* sucot) 1 ( (nool = NULL) { int theight = height (noot - left): int sheight : height (noot - right): ib (thought > nhoight) f ruturn thoight + 1: Jelse f return scheight + 1; ds (shuct Trubode root, int level, long long \* sums) { if ( noot == NULL ) of Sums [debel] = Purm[level] + 5100+ > Wal; 1/ (noot -> Uft) ( dfs (not + left of 1, sums); (noot -) right) { dfs(noot > rightle 1, rums):

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long long Kthlangustlevel Pum (street TreeNodi* 2007, int K) {
       int h = height (noot);
        i/(k>h) 1"
        acturn -1;
        long long* sums = (long long*) calle (h, sizeOf(long, long));
dfs (noot, o, sums):
        dfs (noot, o, rums);
       fon(inti=0; i<h-1; i++) {
          fan(intj=0; j < h-i; j++) d
            if (sums[j] < sums[j+±]) of
              Long long temp = lums (i);
               Pums[j] = Pumo[j +1];
              Pums (j-12) = temp;
     Long long largest = 0;
     largest = Parns[K-1];
     free (sums);
     return largest!
noot = [5,8,9,2,1,3, 7,4,6].
                         root = [1, 2, null, 3]
                          output = 3.
```