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ADS Lab-10 Writeup (Binomial Heaps - 2)

Struct node }

int data, degree;

node \*child, \* sibling, \* parent;

3;

node \*find Node ( node \*h, int sed) {

if ( h == NULL) return NULL;

if ( n -> - key) == key)

zeturn h;

node Ares = tind Node ( h-> child, key); if ( res != NULL)

return res;

return find Node ( h-> sibling, key);

decrease key ( node \* h, int old\_data, new-data)

node \* n = find Node (h, old data);

if (note == NULL)

return;

No -> data = New-data; \* parent = man = N -> parent;

while (parent != NULL && u -> data <

porcent->data) {

swap (n -> data, parent -> data);

n = parent; parent = parent -> parent;

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nocle \* delete Key (node \*h, int key) {

if ( h == NULL)

retarn NULL;

decrease Key (h, key, INT-MIN);

return extract Min (h);
}