BINOMIAL HEAR WKITEUR

1 p 118 (5043

```
sonation delete (Nodinh, int unl)

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; f (!h) return NULL;

de crease Key B Heap (h, val, INT_MIN),

veturn entract MinHeap (h);
```

Sunction Lecrease key BHeng (Node H, int oldv, int none)

Node = find Node (H) old);

if (!node) return;

nolet val = henr;

Node * parent = Node > parent;

while (great != NULL A noll) val < parat > val)

3 sway (nodes val, print sval);

hodi=foront;
parint = forint > parint;

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```
Sundian menteret Min Hear (Note th) }
     it (IA) vitura NULL;
      Note win tron = NOLL)
       Nolly min -= h;
       int min = h > vil;
       noli + corr = h;
       while (cors sibling is NULL) {
           if ((corr a sibling) avel < min) {
              min= curv > sibling > vol,
               min-year = cver;
                min-= cvrv > sibling)
            corr = crrr - sibling;
       is (min-priv-= NULL LA min-> sibling== NOUL) h= NULL;
      else if (min-grov-= Now) h= min-> sibling
       else min-grev ->sibling = min-sibling
        (f ( min - 7 ch; ld ) {
                 veves list (min > ch. 11)
                 min > child > sibling = Now;
         return union Brition (h, voot).
```

function find Node (Node th, and will) ?

if (h) vol == vol) ceturn h,

Nali mies = Sind Ned, (hachill, vil)

if tres! = Nous return res;

return find Nobel has sibling, vell;

Sunction vivs list (Wodi + b) {

if (4h = si bling) {

veves list (h) sibling);

hasibling asillingshi

3
alse
vooda hj

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