```
Struct Nocle
                                                   Snelita. I
    int data, degree;
                                                                    18M12 (3109
    Node + shild , s, ,
Node: newNode (Int key)
     Node *+ - new Node;
     t - dala = key
     t → degree =0,
     t -> child = t-p - t-s = NULL;
     ochum t;
aist < Node *> însert ( list < Nade*>: h, fine key).
      Node ++ = new Node ( key);
      Return Insert 49 ree Integ (. h., t);
hist < Node +> Brosest ATree Interp ( List < Node > : hear, Mode + tree)
        hist<Nodi+> +;
        t. pust_back ( tree);
                                                               111 - 2001 1 2011
         t = Union Binomial Heap (-heapt);
                                                          (1) has made - 11, 1 = 1
         betiern adjust ( temp),
  list<Node +> union Bino mial Heap (list < Node +> l, list < Node +> l)
  R.
         it = 4. begin(); bt = lz. begin();
         while ( ct;= e, end(1 99 ot!: la.end())
              4 ((*+1 - degra L = (*0+) - degra)
              h _new. proh. back (*tt);
              elack inen push : back (+ot);
             y otti;
                                             Return new;
```

```
Carlotte Carlotte
            if ( cts = = - heap end(1) i htt);
            obe of (( viti) - degree < ( vita) - degree)
             K chan;
                  11 (13! = - heap. end()) it3+1;
                   · itz = heap, exase (itz);
                                                               A CAN SAL TREE WITH
                                                               y the chart in
                    if ( it31, = : heap. end(1) it3+= .
                                                              get that a risk armed to
           genern : heap;
Node + get Min ( list < Node > _ heap)
       wist < Node + > : it = - heap begin(1);
        Node + temp = * it;
        while ( it!. - heap, end())
               if ((xit) - data < temp - data)
                             temp = *it;
               itH; lock isous but I aknow
          seturn temp;
List < Node +> entract Min ( list < Node +> - heap)
        while ( it 1, = heag. end (1)
              if (At 1 = tem)
                       nere heap. push_back(x11);
                                                  Tark & Fred Street, Street Street
```

use < Node *> adjust less < Node *> - he=p)

st 1= it= it= : heap. begin();

while (in ! = heap. and 1)

Snehila.

police in the

lo = remove Mintrom Tree (temp); new_heap = union Binomial fleop (new_heap, lo);

nen_heap = adjust (new_heap); return nen_heap; Snehita,

eter

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