```
Implemention Binomial Heap.
i) Insect Function: insecting a key into binomial heap.
  list (Node *) insert #Tree in theap (list (Node *) heap, Node * tree)
     list (Node") temp:
                                    Le good y + John 2 14 &
     temp. push-back (thee);
      temp = union Binomialtleap ( sheap, temp);
      return adjust (temp);
  3
  list (Node *) remove Min From Tree (Node *tree)
  {
     list (Node *> heap;
     Node + temp = tree -> child;
      Node *10;
      while (temp)
           lo = temp;
          temp: temp -> sibling;
           lo -> sibling = NUIL;
           heap. push-front (b);
        neturn hear;
 hist (Node *> insat (hist (Node*)_head, int key)
     Node #temp = new Node (key);
      return insert Tree inthap ( head , temp);
```

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Chinag swam
11) 10000
    Node # get Min (list < Node # > _heap) + 1000
    {
        list (Node +): iterator it = hexp-begin():
                               · Add to the and the bound of Maids Wil
        while (it ! = _heap.end())
         {
           il ((* it) > data < temp > data)
                temp = # it
            it++;
         neturn temp;
"in)
    list < Node *> extract Min (list < Node *> _ hear)
    1
        list (Node *> new_heap, lo;
        Node +temp;
        temp = getMin (heap))
        list (Node*) :: iterator it;
        it = - heap. begin ();
         while (it ! = - heap. end())
             1 (* it ! = temp)
                 now-heavy push-back (+ it);
              14++;
         3
        lo: Almour Min Fronther (temp)
       new heap = union Binomial Heap (new heap, lo):
       new-hear = adjust (new-hear);
```

heturn newheap;

(3)