ADS LAB-10

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```
Void decreasekeyBino(Node*H, int old-val, int new-val)
{
 //Check element is present or not.
 // Return if node is not present.
 // Reduce value to minimum.
 // update the heap according to reduced value.

 Node * node = findNode(H.old-val)
   if(node == Null)
       return;
   node -> val = new_val;
   node *parent = node -> parent;
   while(parent != Null && node->val < parent->val)
   { swap(node -> val, parent -> val);
         node = parent;
         parent = parent -> parent;
   }
}
```

```
// Function to Delete an Element From B-Heap.
Node * binoDelete (node *h, int val){
// check if heap is empty or not.
// Reduce value to minimum.
// Delete minimum element From Bheap
 if(n== NULL)
     return NULL;
 decreasekeyBino(n, val,Int_min);
 return extralmin(n);
}

// Find node
 Node *FindNode(node *h, int val){
  if(n == NULL)
     return NULL;
  if(n->val == val)
    return h;
  Node *res = findNode(h->child,val);
    if(res != NULL)
        return res;
    return find node(h->sibling, val);
 }
```

Scanned with CamScanner