ADS LAB

```
Delete (H) & Decoese Key(H) Function on Binomial Heap
   11 Decrese key(H) Function
 void decoease rey BHeap ( node "H, int old val, int new-val)
    3
         Node *node = SindNode (H, 000_Val);
           3084 BY 5 7 300X ) XX
           if ( node = = NULL)
               LEPRAN!
         node -> val = new_val;
         nude *pasent = nude -> pasent;
          while (parent != null 27 node -> val < parent -> val)
               swap ( node -> val, parent-> val);
          ş
                     node z parent;
                      baseup = baseup -> baseup?
          4
    11 Function to delete an element
     node * ponomial Hear Delete (node *h, int val)
      4
          if (h== NULL)
              beburn NUL;
         decrease key BHEAP (h, vol, INT_MIN);
           LEPRALU EXPROCEMINBHEOD (4);
```

```
Lenction Find wode

Lanction Find wode *h, one ral)

Leturn separa woll;

Leturn p;

Leturn p;

Leturn pes;

Leturn ses;

Leturn send wode (h -> child, ral);

Leturn send wode (h -> child, ral);

Leturn send wode (h -> sibling, ral);
```