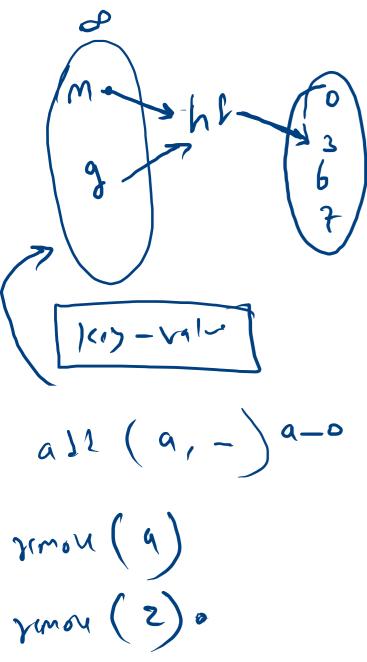
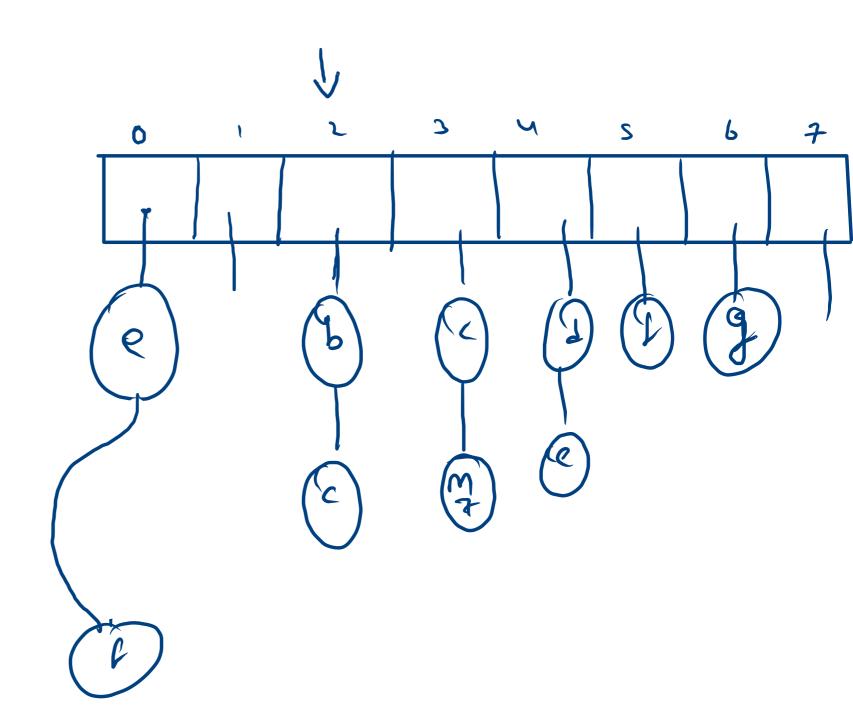
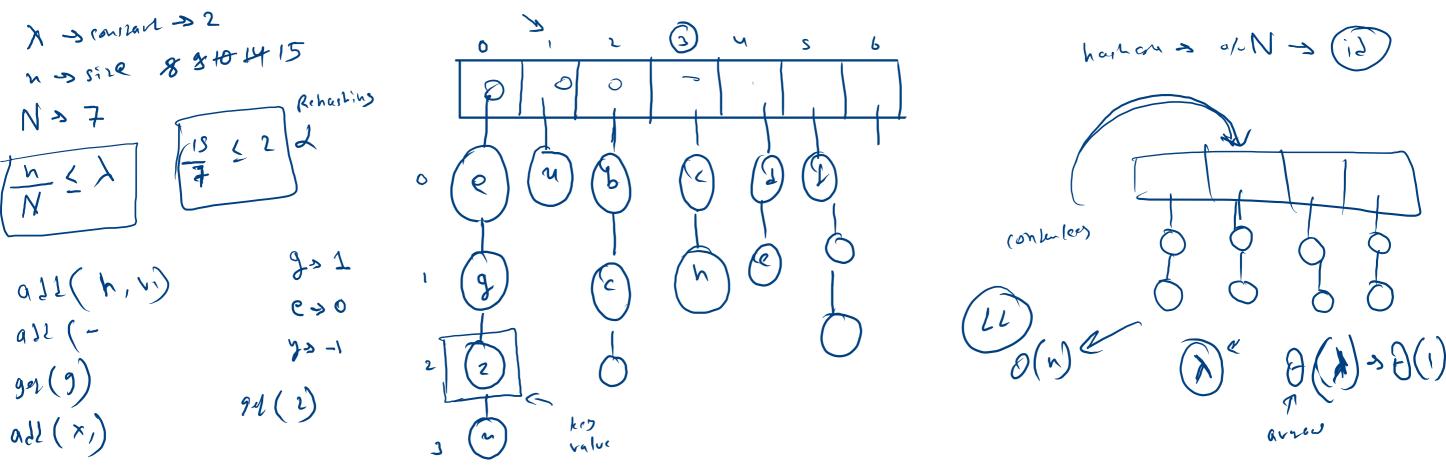
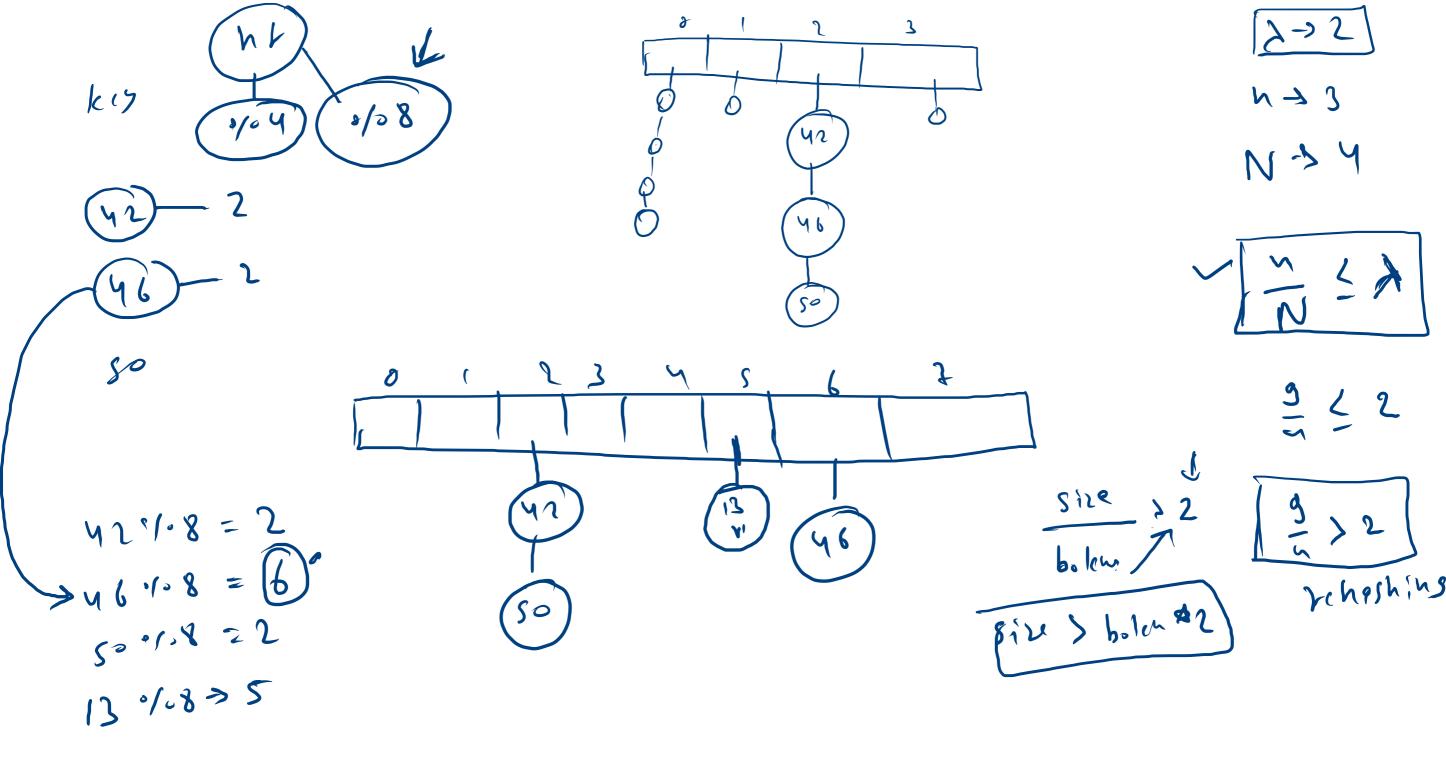


renor (key)





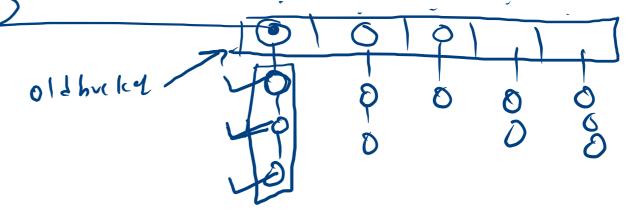


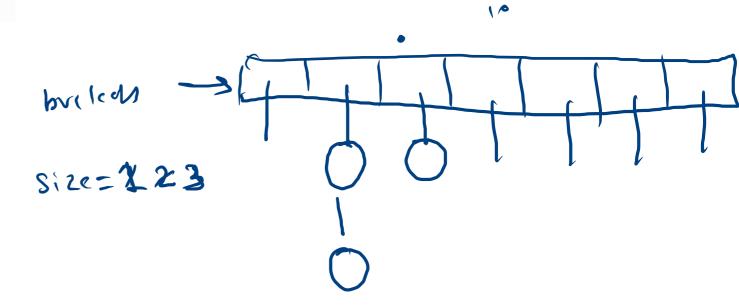


(LL(MMNou)

```
private void initbuckets(int N) {
  buckets = new LinkedList[N];
  for (int bi = 0; bi < buckets.length; bi++) {
    buckets[bi] = new LinkedList<>();
  }
}
```

```
public void reHash() throws Exception {
    LinkedList<HMNode>[] oldBuckets = buckets;
    initbuckets(oldBuckets.length * 2);
    size = 0;
    for(LinkedList<HMNode> ll : oldBuckets){
        for(HMNode node: ll) {
            put(node.key, node.value);
        }
    }
}
```





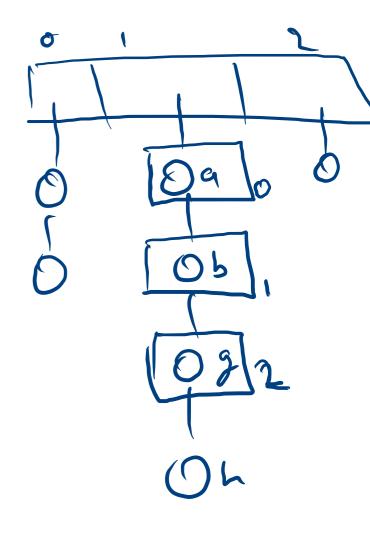


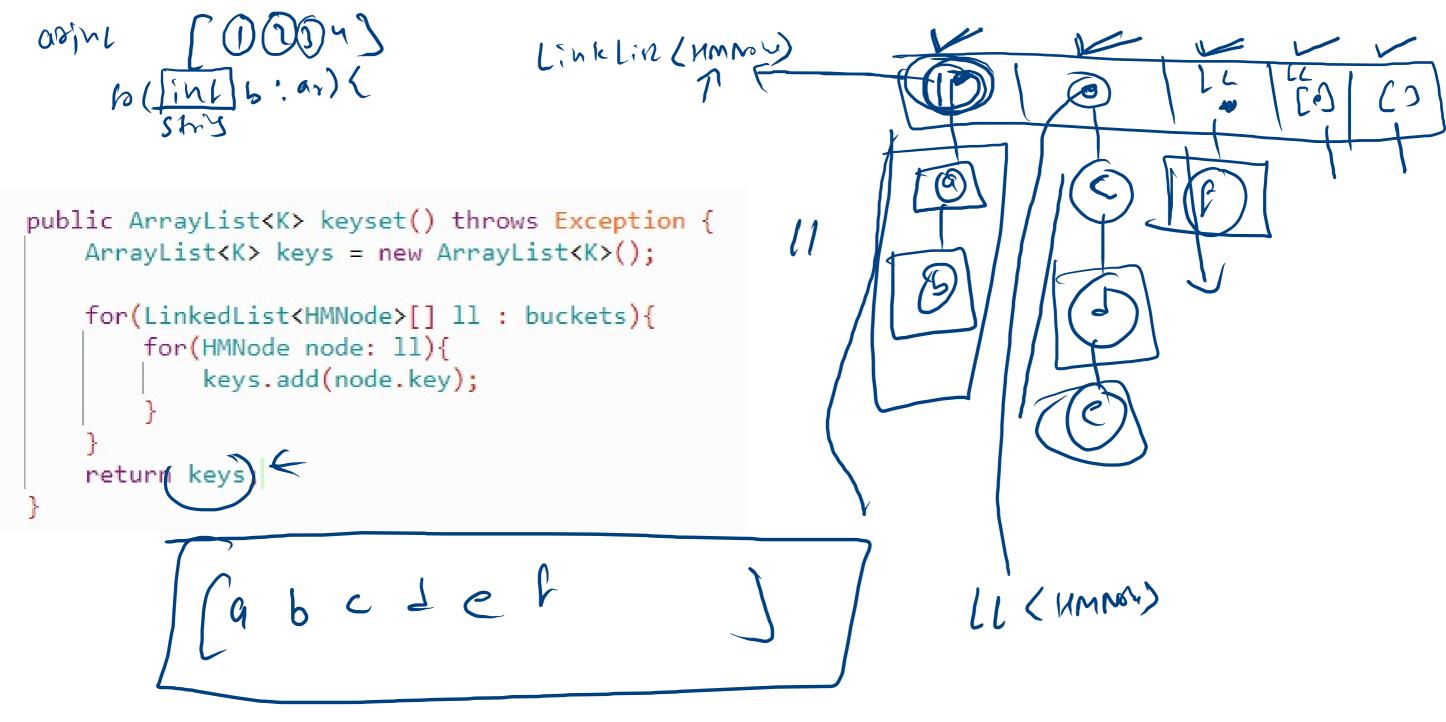
ink hashole - DO (0/0 N class all a shess **+** %

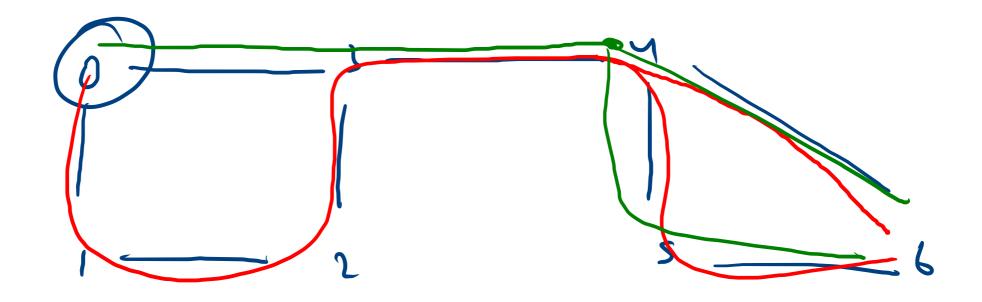
```
61->1
```

```
public int findInBucket(int bi) K key){
  int di=0;

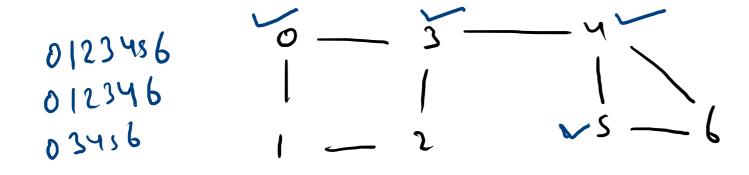
  for(HMNode node : buckets[bi]){
    if(node.key equals(key)){
        return di;
    }
}
```







50 ( -> 0 dy -> 6 0123456 012346 03456



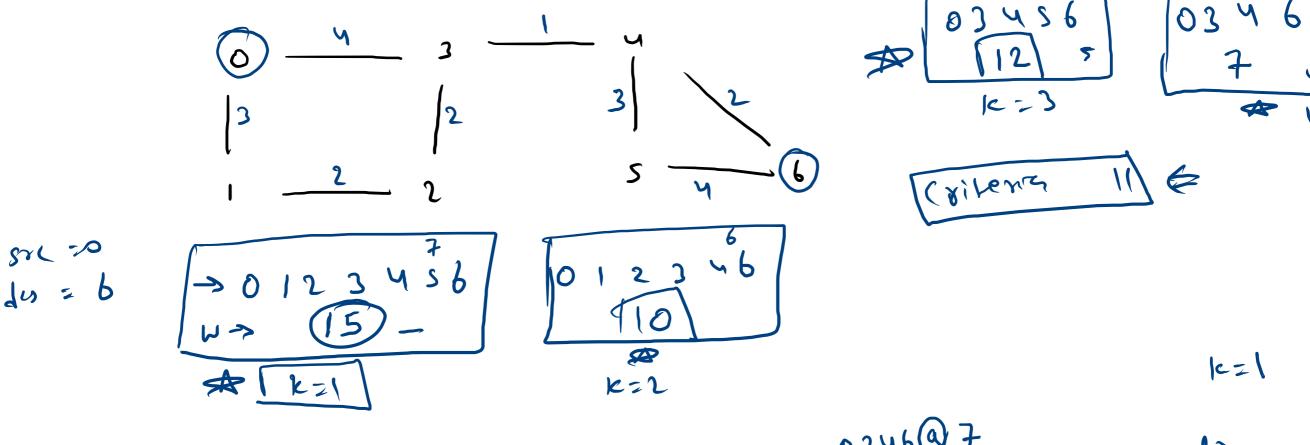
```
2-6
                                                                          2 -
                                                                                          032
 printallpath(graph, src, dest, visited, src+"");
                                                                           012
public static void printallpath(ArrayList<Edge>[] graph, int src, int des
   if(src == dest){
                                                                                        0321
                                                                        0123
       System.out.println(psf);
       return;
                                                                      4-6
                                                                                                  oms 6
   visited[src] = true;
                                                                      01234
   for(Edge edge: graph[src]){
                                                                                   6-6
       if(visited[edge.nbr] == false){
                                                                                  012346
           printallpath(graph, edge.nbr, dest, visited, psf+edge.nbr);
                                                                     012345
   reign ( suc) = laler
```

0

03

1-6

01



- ◆3.1 Smallest path and it's weight separated by an "@" €
- ●3.2 Largest path and it's weight separated by an "@" ...
- ■3.3 Just Larger path (than criteria in terms of weight) and it's weight separated by an "@"
  ■
- 93.4 Just smaller path (than criteria in terms of weight) and it's weight separated by an "@"
- a3.5 Kth largest path and it's weight separated by an "@"

0346@7 012345601 03456@12

12

smaller weight

