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Binomial Heap

Write-up

```
Ins( heap , val)
{
   new node with value equal to key
   temporary heap
   loop until heap is NULL
     if degree of original tree > degree of temp tree
       create new heap to add original tree
     else
        add temp tree to heap
     if original heap has left over tree
          add to new heap
     if temp heap has left over tree
          add all to new heap
     if heap size <1
               return heap
     loop over new heap
          if end
             one element remains
          else if degree of 1st tree < degree of 2nd tree
             merge
          else if degree are same
               binomial tree are same in heap
       return heap
  }
  get min(heap)
  {
     start from 1st tree & check root. Find min of all roots
     and return
  }
  Extract min(heap)
  {
    start from 1st tree
    if tree root is not min
      create new heap & add tree
    Merge newly created heap without min element
    return merged heap
  }
```