Binomial Heap

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decreasekey (heap, old, new)

    find the old value in heap

    reduce the value of node to minimum

    keep swapping parent and the node untill
    value of node value is less than its parent value.

delete (heap, value)

    reduce the value of the node to minimum
    using decreasekey function.

    find the minimum value in the heap by travesing
    the roots of the trees.

    If it doesn't have any children delete it

    else remove min node from list

    merge the node and the root based on degree,

    set the values of the merged list according
    to degree.