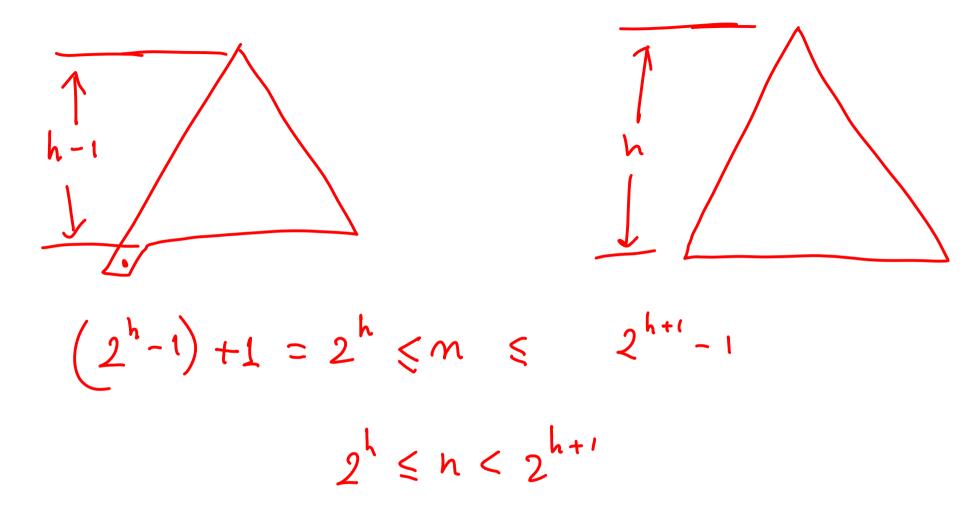
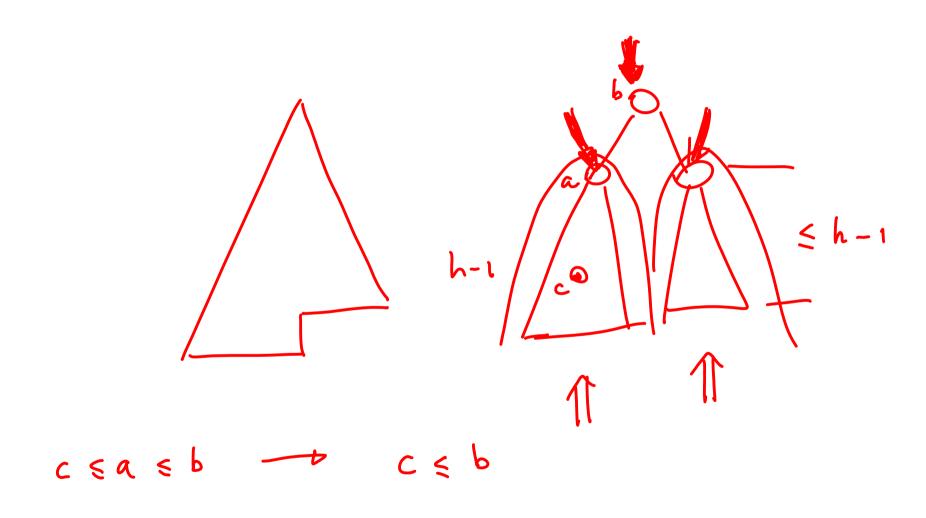
6.1-1

What are the minimum and maximum numbers of elements in a heap of height h?



6.1-3

Show that in any subtree of a max-heap, the root of the subtree contains the largest value occurring anywhere in that subtree.



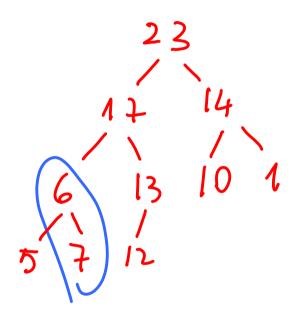
6.1-5

Is an array that is in sorted order a min-heap?

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6.1-6

Is the array with values (23, 17, 14, 6, 13, 10, 1, 5, 7, 12) a max-heap?



6.2-1

Using Figure 6.2 as a model, illustrate the operation of MAX-HEAPIFY (A, 3) on the array $A = \langle 27, 17, 3, 16, 13, 10, 1, 5, 7, 12, 4, 8, 9, 0 \rangle$.

