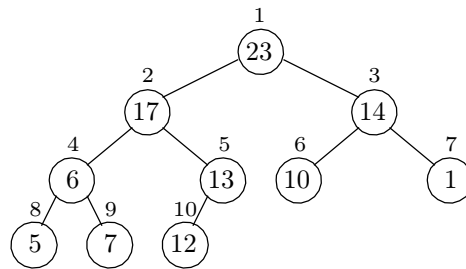


**6.1-6.**

Is the array with values  $\langle 23, 17, 14, 6, 13, 10, 1, 5, 7, 12 \rangle$  a max-heap?

**Answer.**

No it isn't. As shown in Figure 1, the node 7 at index 9 is greater than its parent, this violates the max-heap property.



**Figure 1.** The array  $\langle 23, 17, 14, 6, 13, 10, 1, 5, 7, 12 \rangle$  viewed as a binary tree.

---

\*. Creative Commons  2014, Lawrence X. Amlord (颜世敏, aka 颜序).  
Email address: informlarry@gmail.com