

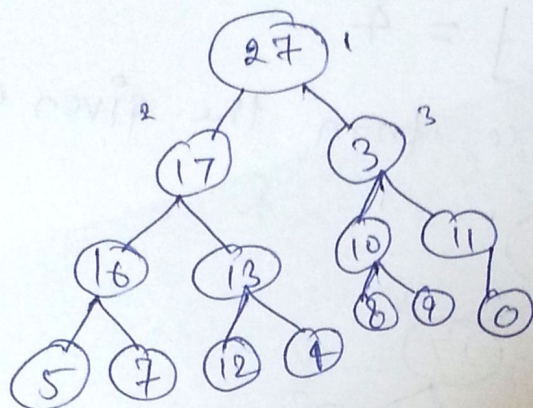
Lab-g. Q.1. Solution

The Given Array is

$$A = \{ 27, 17, 3, 16, 13, 10, 11, 5, 7, 12, 4, 8, 9, 0 \}$$

$$\therefore n = 14$$

Now, Let's construct a heap tree from the given array



Let's use heapify operation to maintain the heap property,
i.e. perform ~~heap~~ max-heapify operation at
(A, 3), ~~swap~~ i.e. swap the parent 3 with the largest child
i.e., 11, so

