

## [CS302-Data Structures] Quiz 5

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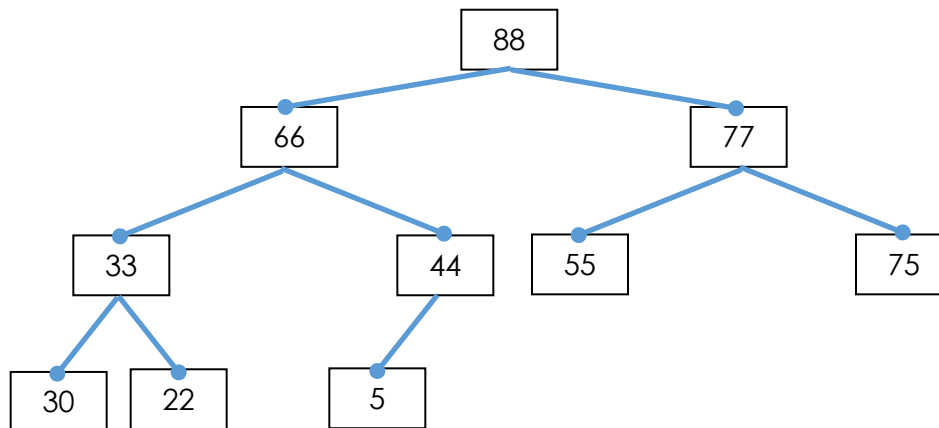
**Q1:** Suppose we are sorting an array of eight integers using heapsort, and we have just finished some “heapify” (either for maxheap or for minheap structure) operations. The array now looks like this: 16 14 15 10 12 27 28 How many heapify operations have been performed on root of heap?

Options to select below:

<b>A.</b>	1
<b>B.</b>	2
<b>C.</b>	3 or 4
<b>D.</b>	5 or 6

**A1:** B

**Q2:** Draw the following heap as an array



**A2:** [88,66,77,33,44,55,75,30,22,5]