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CMPS 102
Homework 2

Problem 1: Design 3 algorithms based on binary min heaps that find the kth smallest # out of a set of n #'s in time:

a) $O(n \log k)$

b) $O(n + k \log n)$

c) $O(n + k \log k)$

Note: For all problems, an array will be used to represent the heap.
a)