

1. Worst-case algorithmic asymptotic complexity:
 - a. Add element – $O(n)$ – This should be $O(\log n)$, but my implementation is not as efficient as it could otherwise be.
 - b. Delete element – $O(n)$ – This should be $O(\log n)$, but my implementation is not as efficient as it could otherwise be.
 - c. Merge two heaps – $O(n)$ – This should be $O(\log n)$, but my implementation is not as efficient as it could otherwise be.
2. Worst-case algorithmic asymptotic complexity:
 - a. Same as worst-case
 - b. Same as worst-case
 - c. Same as worst-case