**Ex 2.4.11:** Suppose that your application will have a huge number of insert operations, but only a few remove the maximum operations. Which priority-queue implementation do you think would be most effective: heap, unordered array, or ordered array?

**Solution:**

Unordered array would be a better priority-queue with less cost for insert as we can insert it without carrying about order. If $Del\_max$ used a few times, then unorder is ideal since its great for fast insertions because it no longer matters where it is inserted. Ordered array would be ideal if $Del\_max()$ is done often as it makes removing the max element easy since array already in sorted order.

Ordered arrays have $O(N)$ insert with $O(1)$ $Del\_max$.
Unordered arrays have $O(1)$ insert with $O(N)$ $Del\_max$.
Binary Heaps have $O(logN)$ insert with $O(LogN)$ $Del\_max$ operations due to $LogN$ height of tree.