

Priority Queue Complexity

Comparison of priority queues implementations

Operation	Binary Heaps	Binomial Heaps	Fibonacci Heaps
Insert	$O(\log n)$	$O(1)^*$	$O(1)$
Delete	$O(\log n)$	$O(\log n)$	$O(\log n)^*$
Update	$O(\log n)$	$O(\log n)$	$O(1)^*$
Merge	$O(n)$	$O(\log n)$	$O(1)$
Heapify	$O(n)$	$O(n)$	$O(n)$

Where \star means that it is the amortized complexity.