

## Priority Queue Complexity

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## 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.