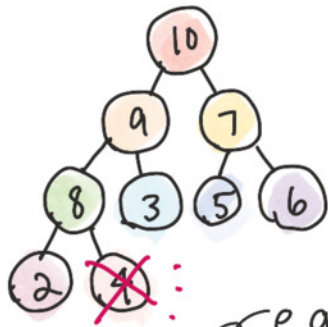
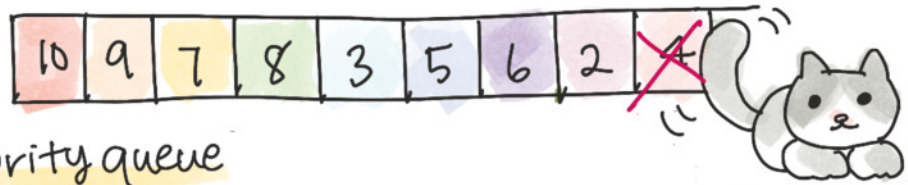


★ Heap Deletion

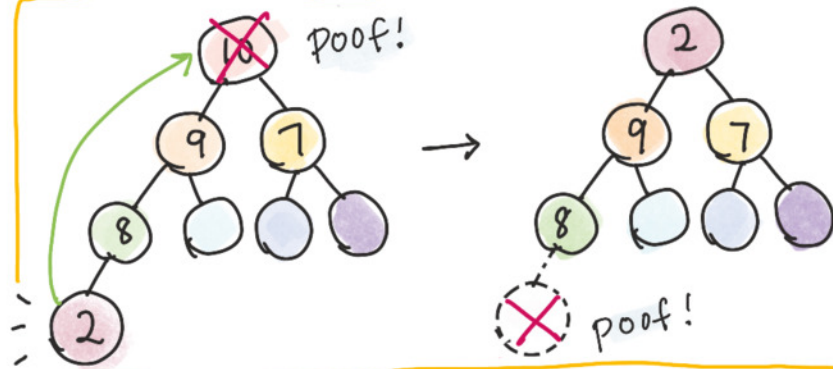


If you want to delete the last leaf, just delete it!

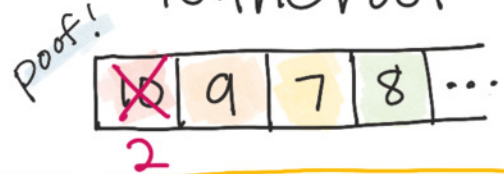


e.g. priority queue

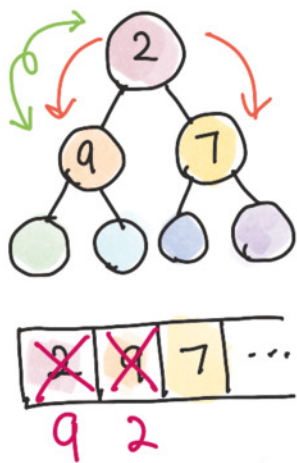
But typically, you would delete root + heapify!



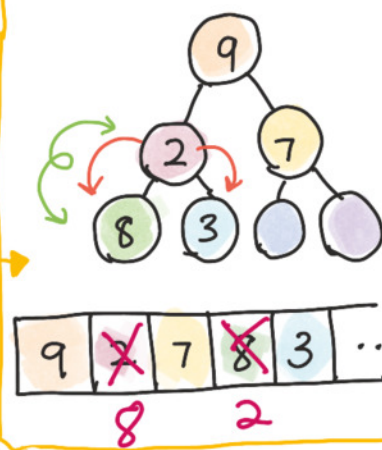
1. Remove the root
2. Move the last leaf to the root



Now, let's place them in the correct order!



If either child is larger than the root, swap it with the larger child.



Repeat. Compare w/ the children & swap w/ the larger child

Time Complexity

	Average	Worst
• Insert	$O(1)$	$O(\log n)$
• Delete	$O(\log n)$	$O(\log n)$



yay