Dynamic data structures (lists, queues, tree structures)

Lists (arrays)

- Searching a value — $O(n)$
- Deleting a value — $O(n)$ (because of shifting)
- Insertion — $O(n)$ (shifting)

Queues

- FIFO data structure (First in First out)
- Insertion — $O(1)$
- Deletion — $O(1)$

Tree

- Height of a node — length of the longest path down to a leaf.
- Depth of a node — length of the path to it's root.
- Degree of a node — number of its children.