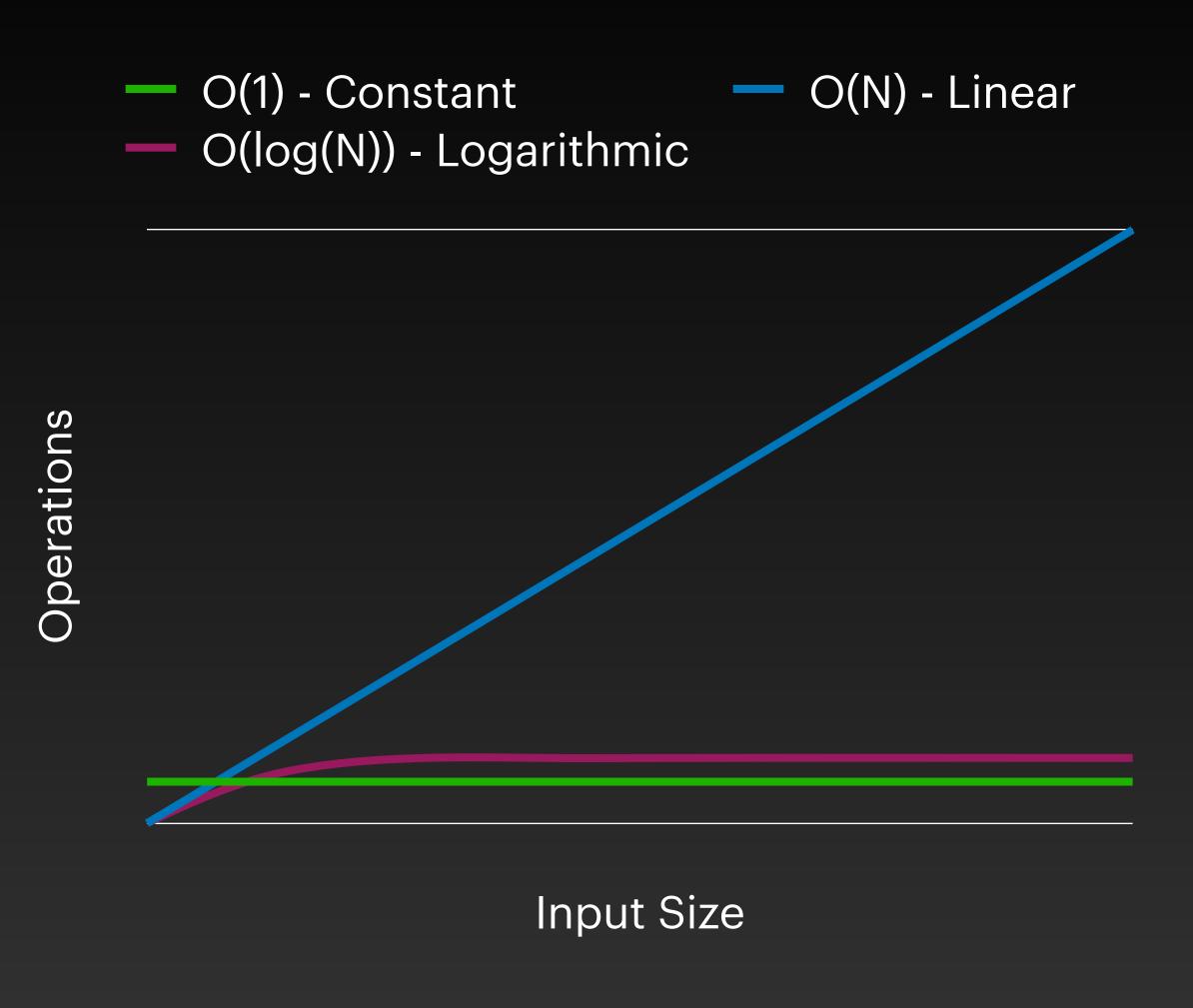
O(log(N)) The big idea:

For each time the input grows the processing time required by the algorithm will increase by half what it previously increased by. N represents the size of the input.

O(log(N)) is very efficient. By their nature these algorithms can solve complex problems very quickly.



O(log(N)) - Logarithmic Complexity Examples:

- Many kinds of tree data structures, such as a Binary Search Tree
- Looking up a number in a phone book by searching one half of it at a time.