

## Data Structures & Algorithms - C++ Cheat Sheet by j.javan via cheatography.com/179064/cs/37778/

## **Time Complexity Measurement**

Omega is the best case scenario

Theta is the average case scenario

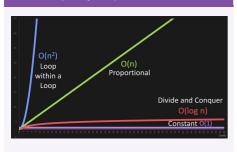
Big O is the worst case scenario

## Big O Simplification

Drop Constant O(100n) -> O(n)

**Drop Non-Dominants**  $O(n^2 + n) \rightarrow O(n^2)$ 

## Time Complexity Graph





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