

### Time Complexity Measurement

**Omega** is the best case scenario

**Theta** is the average case scenario

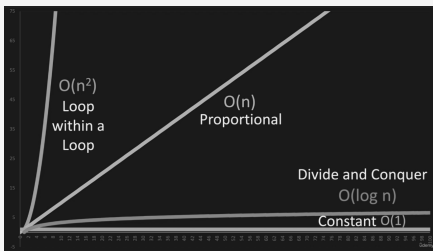
**Big O** is the worst case scenario

### Big O Simplification

**Drop Constant**  $O(100n) \rightarrow O(n)$

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

### Time Complexity Graph



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By **j.javan**  
[cheatography.com/j-javan/](https://cheatography.com/j-javan/)

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