

# Algorithms Cheatsheet

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ABSTRACT: Everything I know about basic algorithms. When finished, should be a useful outline of 1) content of Stanford CS 161 Algorithms course, and 2) everything else needed for a FAANG-level<sup>1</sup> algorithms interview.

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<sup>1</sup>Facebook, Amazon, Apple, Netflix, Google

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## 1 Asymptotic Analysis

**TODO: define asymptotic Upper, Lower, and Tight bounds,  $O$ ,  $\Omega$ ,  $\Theta$ .**

## 2 Sorting Algorithms

### 2.1 Insertion Sort

This describes insertion sort.