Computer Science - Algorithms

# Notation

Big O Notation

The Big O notation represents the worst case scenario number of iterations to complete an algorithm, allowing for direct comparision of scalability and efficiency between algorithms.

The Big O notation is written as O(n), where n is the number of iterations with respect to n. For example, retriving a value from a hash map is a constant, so has the Big O notation of O(1).

# Search **Algorithms**

Binary Search

tbc

# Sorting Algorithms

Quicksort

tbc

Mergesort

tbc

# Recursion

Overview

Code which is designed to repeat itself until the smallest case is found and solved. Bit of a memory hog

Example

tbc