

Recurrence Relations

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Algorithm Analysis

- “The process of deriving the estimates for the time and space required to execute an algorithm.”
- Direct Proof
- Proof by Contradiction
- Proof by Induction

Time Complexity

- $\Theta(g(n))$ = is $g(n)$
- $O(g(n))$ = is at most $g(n)$
- $\Omega(g(n))$ = is at least $g(n)$