









































Algorithm	Avrg-case	Worst-case
Linear search	Θ(n)	Θ(n)
Binary search	$\Theta(log_2(n))$	$\Theta(\log_2(n))$
Insertion sort	Θ(n²)	Θ(n²)
Bubble sort	Θ(n²)	Θ(n²)

Complexity of algorithms – Common terminology						
	Complexity	Terminology				
	O(1)	Constant complexity				
	O(log n)	Logarithmic complexity				
	O(n)	Linear complexity				
	O(n log n)	n log n complexity				
	O(n ^b)	Polynomial complexity				
	$O(b^n), b > 1$	Exponential complexity				
	O(n!)	Factorial complexity				
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