Big-O Summary Table		
Relative Speed	Big-O	Example Functions
Fastest:	O(1)	**100**
	O(log(n))	**log(n)** + 2
	O(n)	2**n** + log(n)
	O(n log(n))	10**nlog(n)** + 7
	O(n^c)	**n^2** + n + 2
	O(c^n)	n + **3^n** + 84
Slowest:	O(n!)	2 + 2^n + **n!**

Note: c in this table represents a constant value

Tips for Solving Big-O	
Tip	Example
Slowest Big-O Wins	n + n^2 + log(n) is O(n^2). See table above
Remove Constants	2n^2 becomes n^2
Log Bases Don't Matter	In big O $\log_{2}(n)$ and $\log_{20}(n)$ are both O(log(n))
In a tie the biggest c in c^n wins	3^n + 4^n is O(4^n); 4^n + 10^n is O(10^n) etc.