

1. Factors of Judging Algorithms : TIME & SPACE , Rule of thumb: 10^9 operation per second.
2. Time Complexity part 1 : Determining the time/space complexity e.g :-
 $O(n)$, $O(n^2)$, $O(n^3)$ [Polynomial]
3. Time Complexity part 2 : Determining the time/space complexity e.g :-
 $O(c^n)$ [Exponential] // Fibonacci by recursion memory com: $O(n)$
4. Linear Search // Time & Memory Complexity = $O(n)$