

# Linked List

- Big - oh notation + Time complexity Analysis

- Series formulae

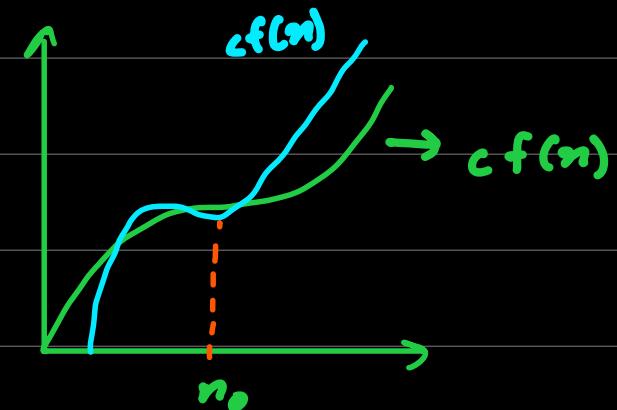
- Summation

- Tight bounds in Big - oh

- Asymptotic Functions

- $n \lg n \times n \lg n$

↳ asymptotically faster growing function



$T(n)$ ,  $f(n)$ , there exists  $c$  &  $n_0$  such that  $f(n) \leq c f(n)$

- $\left(\frac{1}{\log_{10} n}\right) \log_2 n \rightarrow$  asymptotically not faster growing function.