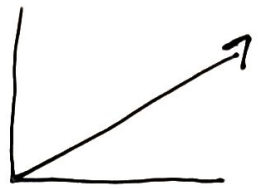





# Big O

-  $O(s)$  Linear  Time increases as Size increases

-  $O(1)$  Constant  Time is constant for all sizes

-  $O(\log s)$   Time increases proportionally to the logarithmic size increase

-  $O(s^2)$   Time increase proportionally to the exponential size increase