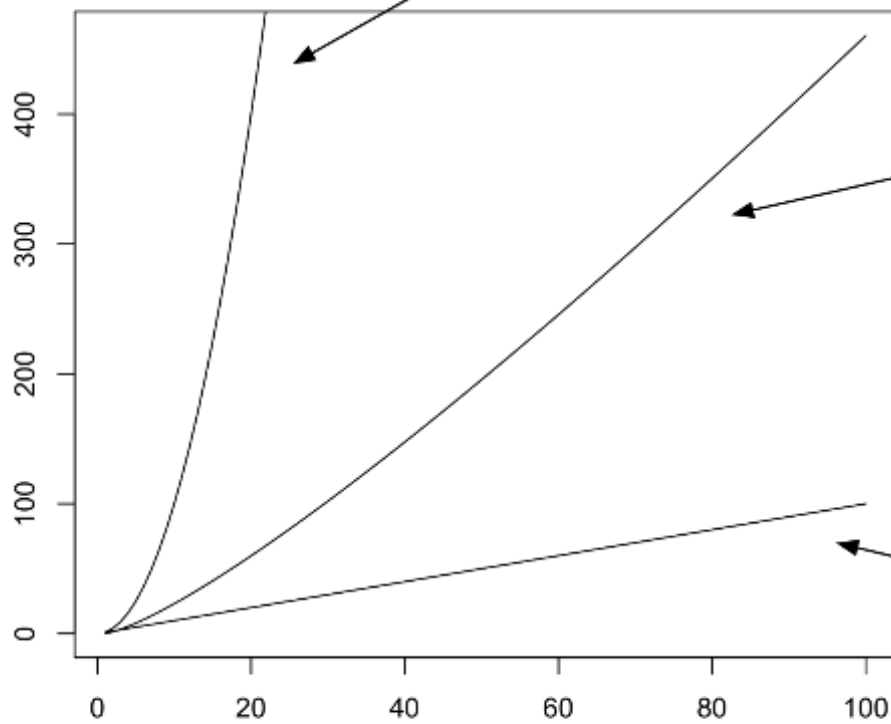


$O(n^2)$



$O(n \log n)$

$O(n)$