

Universidad del Valle de Guatemala

Algoritmos y estructura de datos

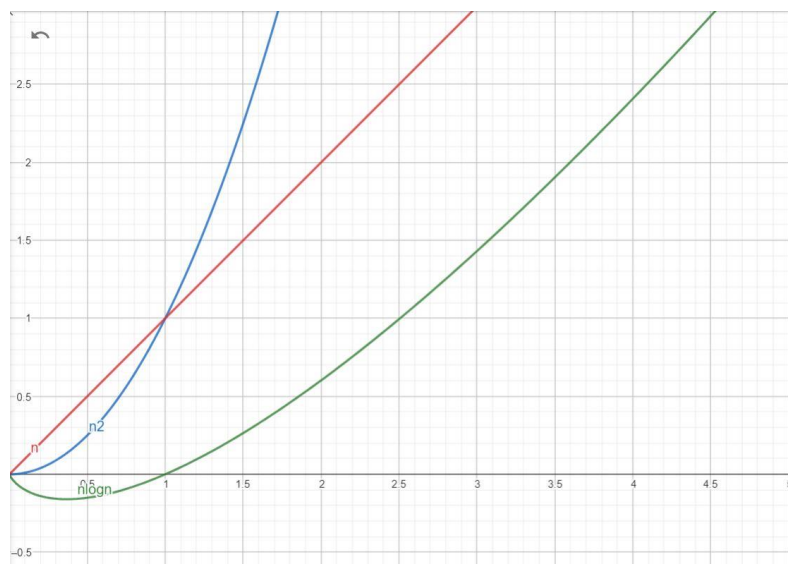
José Javier Flores Ordoñez

No. Carne 22730

### Hoja de trabajo #3

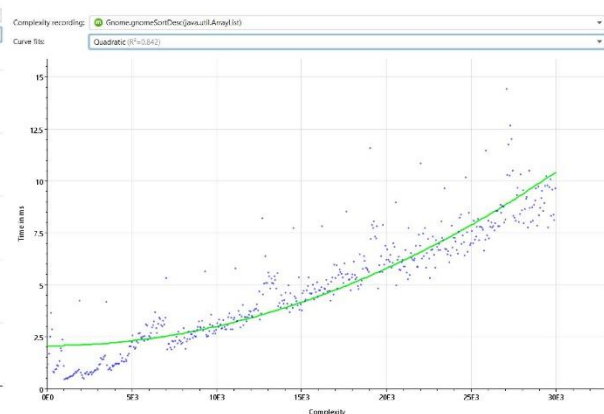
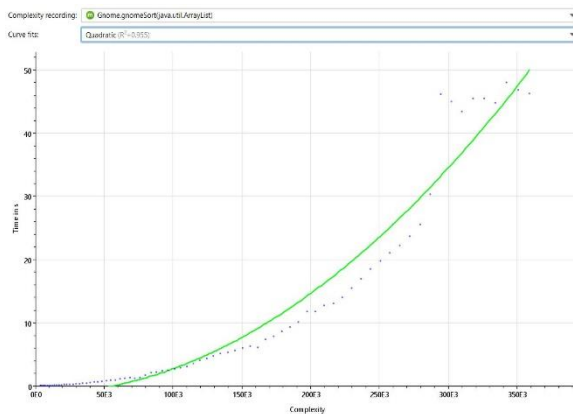
Para determinar los tiempos que tarda el algoritmo de ordenamiento se utilizo la herramienta Jprofiler que toma los tiempos según los datos ordenados y genera la grafica con su respectiva regresión para obtener la complejidad.

Grafica teórica de la complejidad computacional

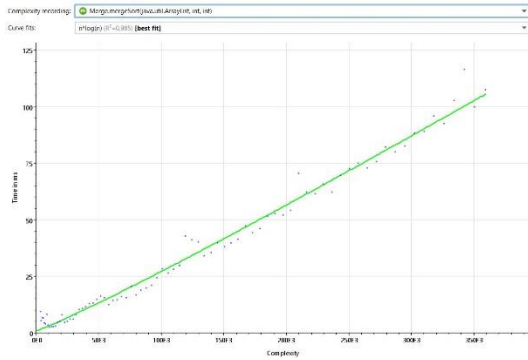


Gnome Sort  
ascendente

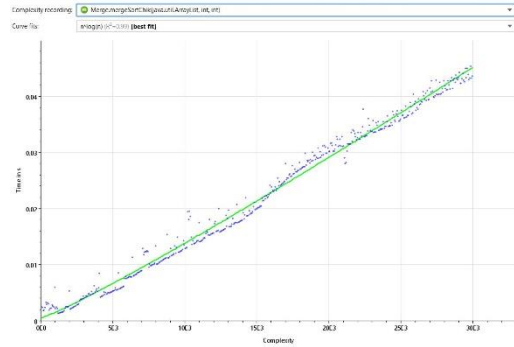
Gnome Sort  
descendente



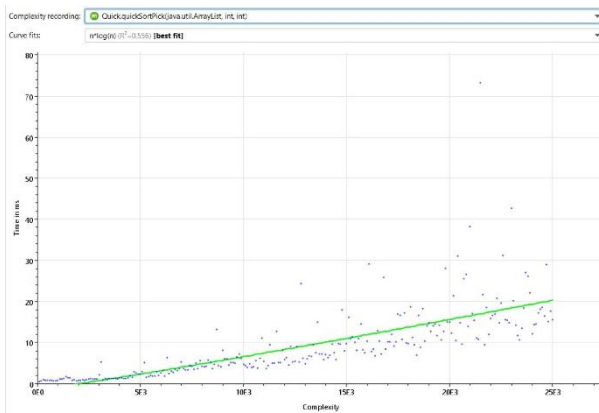
Merge Sort  
ascendente



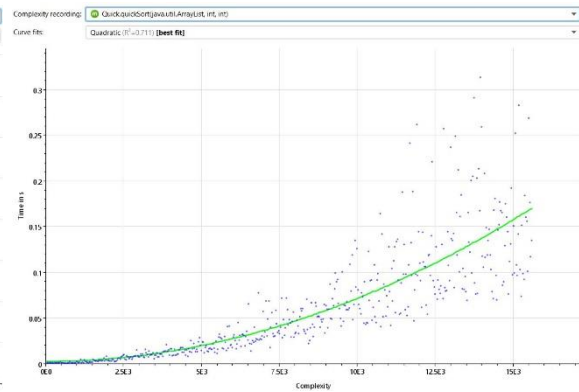
Merge Sort  
descendente



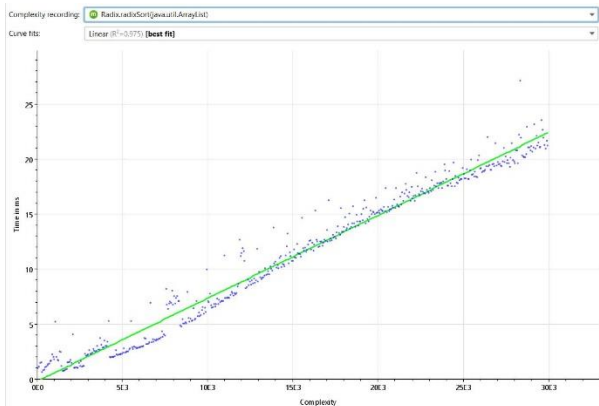
Quick Sort  
ascendente



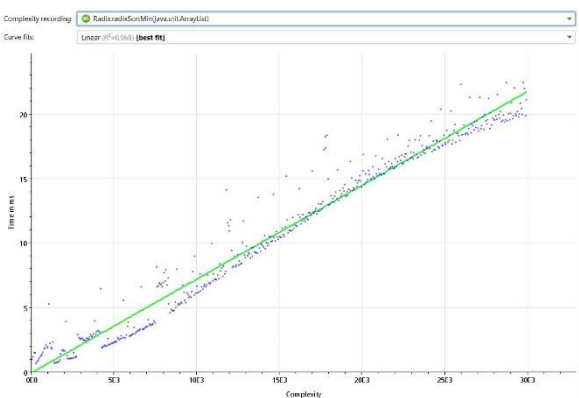
Quick Sort  
descendente



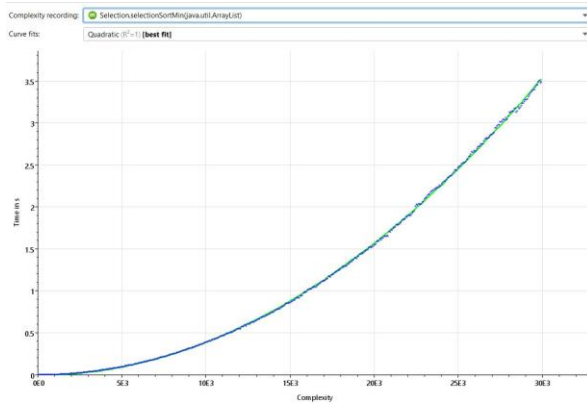
Radix Sort  
ascendente



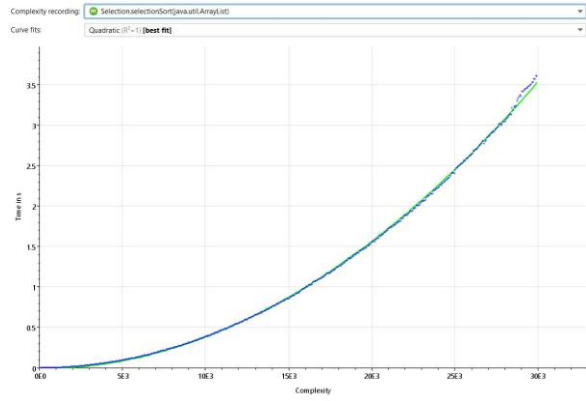
Radix Sort  
descendente



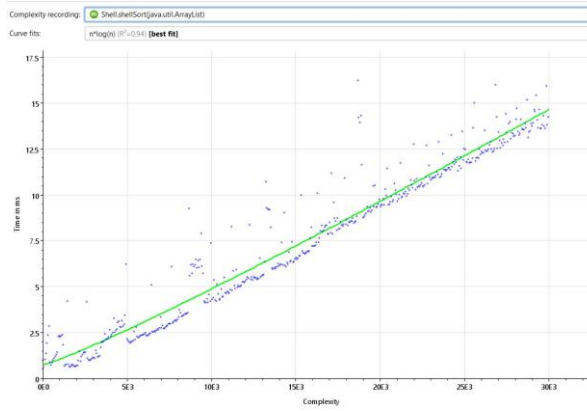
Selection Sort  
ascendente



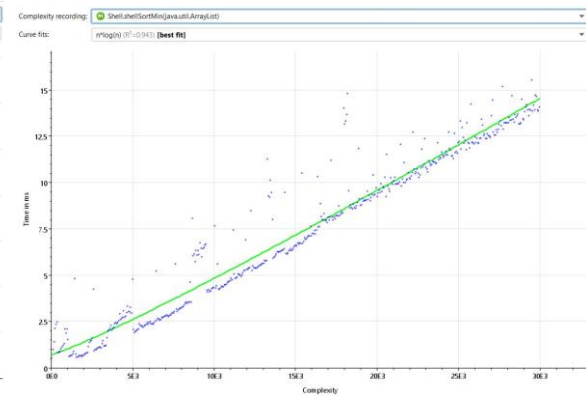
Selection Sort  
descendente



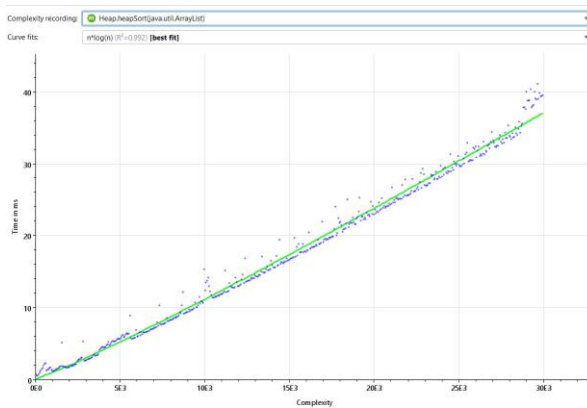
Shell Sort  
ascendente



Shell Sort  
descendente



Heap Sort  
ascendente



Heap Sort  
descendente

