**ESCUELA SUPEROR DE COMPÚTO**

Nombre:

Ortega Salazar Luis Alberto

Boleta:

2023630426

Grupo:

3CV1

Materia:

Análisis y diseño de algoritmos

Actividad:

Reporte práctica 2

Profesor:

García Floriano Andrés

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Tiempo de ejecución (s) | | | | | | | |
|  | n=20 | n=100 | n=1000 | n=10000 | n=100000 | 1000000 | 5000000 | 10000000 |
| Mergesort | 0.0 | 0.0 | 0.000643 | 0.092460 | 0.270228 | 3.478928 | 20.0295205 | 43.073650 |
| Quicksort. | 0.0 | 0.0 | 0.010090 | 0.022653 | 0.660262 | 5.97382 | 23.83764 | 45.973633 |
| Búsqueda binaria. | 0.0 | 0.0 | 0.000657 | 0.03456 | 0.67906 | 4.09879 | 24.29838 | 41.9675 |
| Búsqueda ternaria. | 0.0 | 0.0 | 0.000238 | 0.043094 | 0.867543 | 3.98763 | 21.098892 | 39.2827 |