**Data Structure**

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**TESTS DE ALGORITMOS DE ORDENAMIENTO**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Algoritmo | Tamaño de la list | Min | Max | Mean | Standard Dev. | OPS Kops/s | Rounds |
| 20 | Insertion | **4.3330 (1.0)** | **20,007.2630 (58.23)** | **9.0082 (1.0)** | **103.8307 (8.18)** | **111.0101 (1.0)** | 146564 |
| Selection | **22.4750 (5.19)** | **920.0590 (2.68)** | **27.6881 (3.07)** | **19.7509 (1.56)** | **36.1165 (0.33)** | 26540 |
| Bubble | **25.9770 (6.00)** | **343.5630 (1.0)** | **30.8301 (3.42)** | **12.6902 (1.0)** | **32.4358 (0.29)** | 25876 |
| 1000 | Insertion | **246.2480 (1.0)** | **49,327.8270 (1.0)** | **1,020.5029 (1.0)** | **2,602.8395 (1.0)** | **979.9090 (1.0)** | 3642 |
| Selection | **68,691.7250 (278.95)** | **97,331.1570 (1.97)** | **76,463.1347 (74.93)** | **7,868.1393 (3.02)** | **13.0782 (0.01)** | 14 |
| Bubble | **83,273.8910 (338.17)** | **124,434.7560 (2.52)** | **102,308.1002 (100.25)** | **10,503.2958 (4.04)** | **9.7744 (0.01)** | 12 |
| 5000 | Insertion | **1.2779 (1.0)** | **8.1386 (1.0)** | **1.5795 (1.0)** |  | **633.1018 (1.0)** | 667 |
| Selection | **1,930.5641 (>1000.0)** | **5,479.9543 (673.33)** | **3,526.0794 (>1000.0)** |  | **0.2836 (0.00)** | 5 |
| Bubble | **2,305.9118 (>1000.0)** | **3,585.6395 (440.57)** | **2,823.0982 (>1000.0)** |  | **0.3542 (0.00)** | 5 |