RETO 2-DOC ANALISIS

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|  | **Máquina 1** | **Máquina 2** |
| **Procesadores** | Intel(R) Core(TM) i5 | 2,8 GHz Intel Core i7 de cuatro núcleos |
| **Memoria RAM (GB)** | 8GB | 8 GB |
| **Sistema Operativo** | Windows 10 Pro 64-  bits | MacOS Catalina |

# Tabla de tiempo:

|  |  |  |
| --- | --- | --- |
| **Requerimientos** | **Reto 1-Tiempo(ms)** | **Reto 2- Tiempo(ms)** |
| **Carga** | 24720.239 | 78259.738 |
| **1** | 363.305 | 681.049 |
| **2** | 601856.980 | 834.815 |
| **3** | 215677.926 | 550.202 |
| **4** | 5262.289 | 208.987 |

Tabla de consumo de memoria:

|  |  |  |
| --- | --- | --- |
| **Requerimientos** | **Reto 1-Memoria**  **(KB)** | **Reto 2- Memoria**  **(KB)** |
| **Carga** | 1324104.250 | 1938899.608 |
| **1** | 50.963 | 50.533 |
| **2** | 33.219 | 0.656 |
| **3** | 17.930 | 0.656 |
| **4** | 903.875 | 11.732 |

Tabla de complejidad:

|  |  |  |
| --- | --- | --- |
| **Requerimientos** | **Reto 1** | **Reto 2** |
| **1** | O(n^2) | O (n log n) |
| **2** | O (n log n) | O(n) |
| **3** | O (n log n) | O(n) |
| **4** | O(n^2) | O (n log n) |