Documento De Análisis

Estructura de Datos y Algoritmos

Reto Numero 1

1. Nombres, código y correo Uniandes de los integrantes del grupo

Estudiante 1.

Alejandro Munar

202021623

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Estudiante 2.

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202020237

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1. Pruebas de tiempos de ejecución para cada uno de los requerimientos.

|  |  |  |
| --- | --- | --- |
| **REQUERIMIENTO 1** | | |
|  |
|  | **Santiago Rodríguez** | **Alejandro Munar** |  |
| **SMALL** | **3,715** | **55.56** |  |
| **5%** | **48.860** | **129.457** |  |
| **20%** | **155.656** | **210.792** |  |
| **50%** | **508.022** | **296.85** |  |
| **100%** | **1,077.183** | **354.15** |  |

LOG(N)

|  |  |  |
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| **REQUERIMIENTO 2** | | |
|  |
|  | **Santiago Rodríguez** | **Alejandro Munar** |  |
| **SMALL** | **22.746** | **37.748** |  |
| **5%** | **281.164** | **409.146** |  |
| **20%** | **44.408.127** | **3,987.529** |  |
| **50%** | **326,202.038** | **21,564.852** |  |
| **100%** | **1,020,003.157** | **82,977.493** |  |

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| **REQUERIMIENTO 3** | | |
|  |
|  | **Santiago Rodríguez** | **Alejandro Munar** |  |
| **SMALL** | **2.083** | **9.218** |  |
| **5%** | **23,737** | **33.643** |  |
| **20%** | **93.148** | **72.611** |  |
| **50%** | **267.596** | **174.437** |  |
| **100%** | **1.055.046** | **373.629** |  |

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| **REQUERIMIENTO 4** | | |
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|  | **Santiago Rodríguez** | **Alejandro Munar** |  |
| **SMALL** | **69.084** | **781.903** |  |
| **5%** | **9885.99** | **16.186.162** |  |
| **20%** | **123.400.565,0000000** | **98.897.299** |  |
| **50%** | **678,732.39** | **SE ESPERO MAS DE 10 MIN** |  |
| **100%** | **SE ESPERO MAS DE 10 MIN** | **SE ESPERO MAS DE 10 MIN** |  |

1. En caso de los requerimientos individuales, indicar quien lo implementó.

|  |  |
| --- | --- |
| Requerimiento | Quien lo implementó |
| 1 | Grupal |
| 2 | Grupal |
| 3 | Santiago Rodríguez |
| 4 | Alejandro Munar |
| 5 | Grupal |
| 6 | n-a |