Universidad del Valle de Guatemala

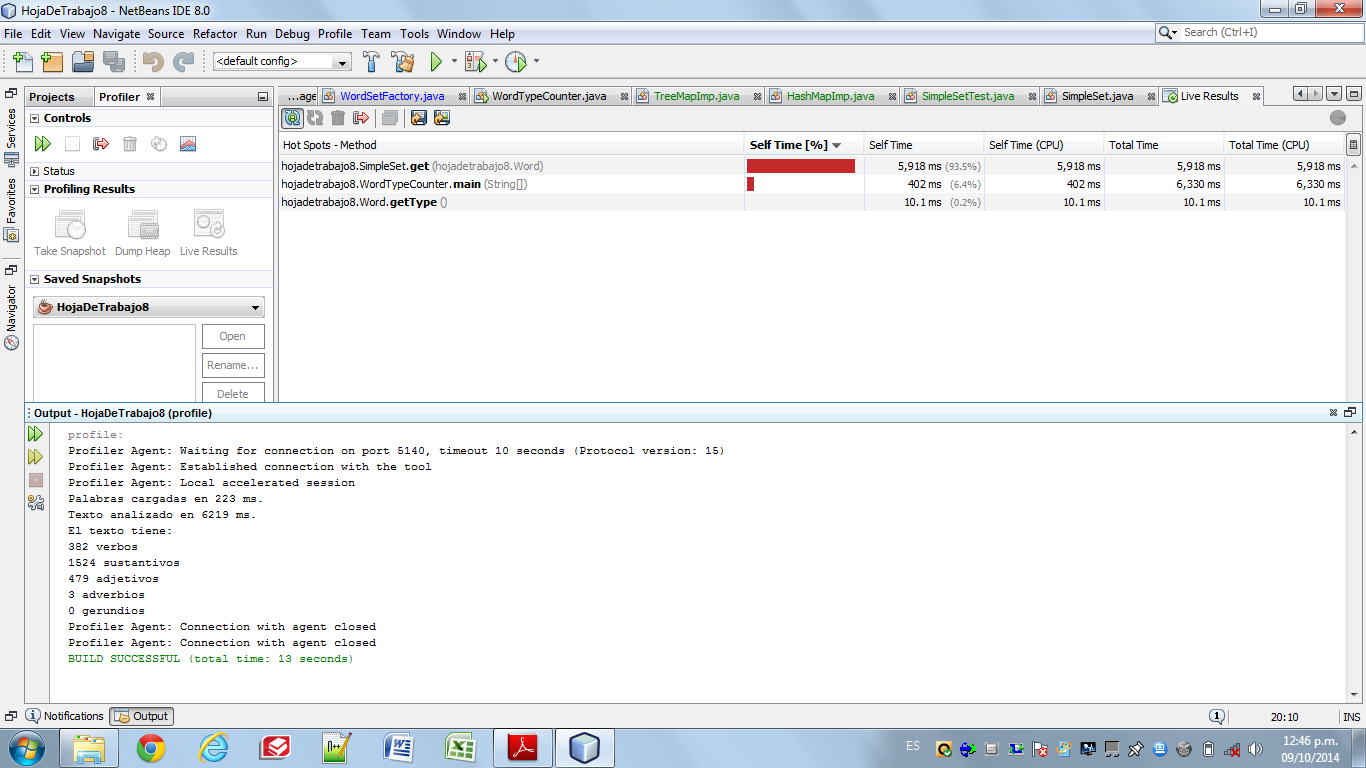
Hoja de Trabajo 8

Irene Molina 13480

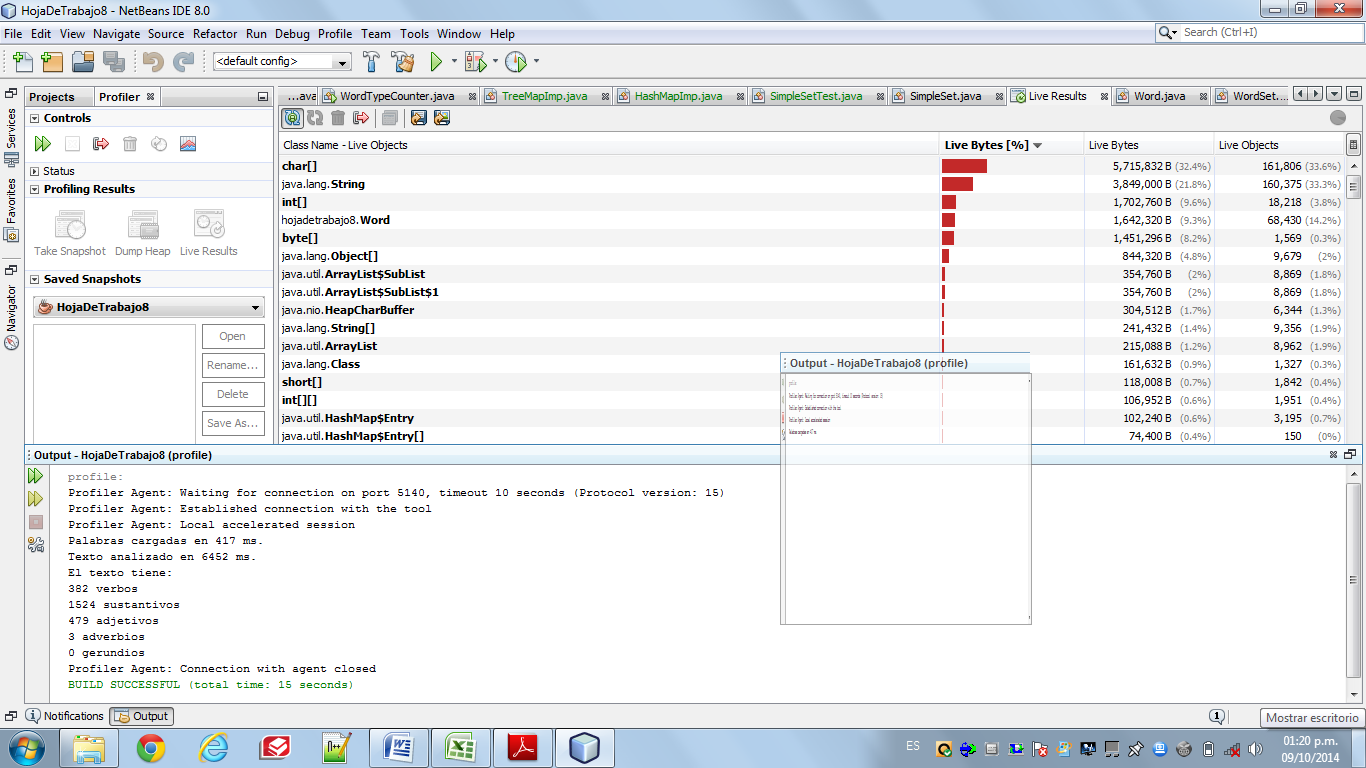
Jorge Garcia 13175

Moises Urias 13015

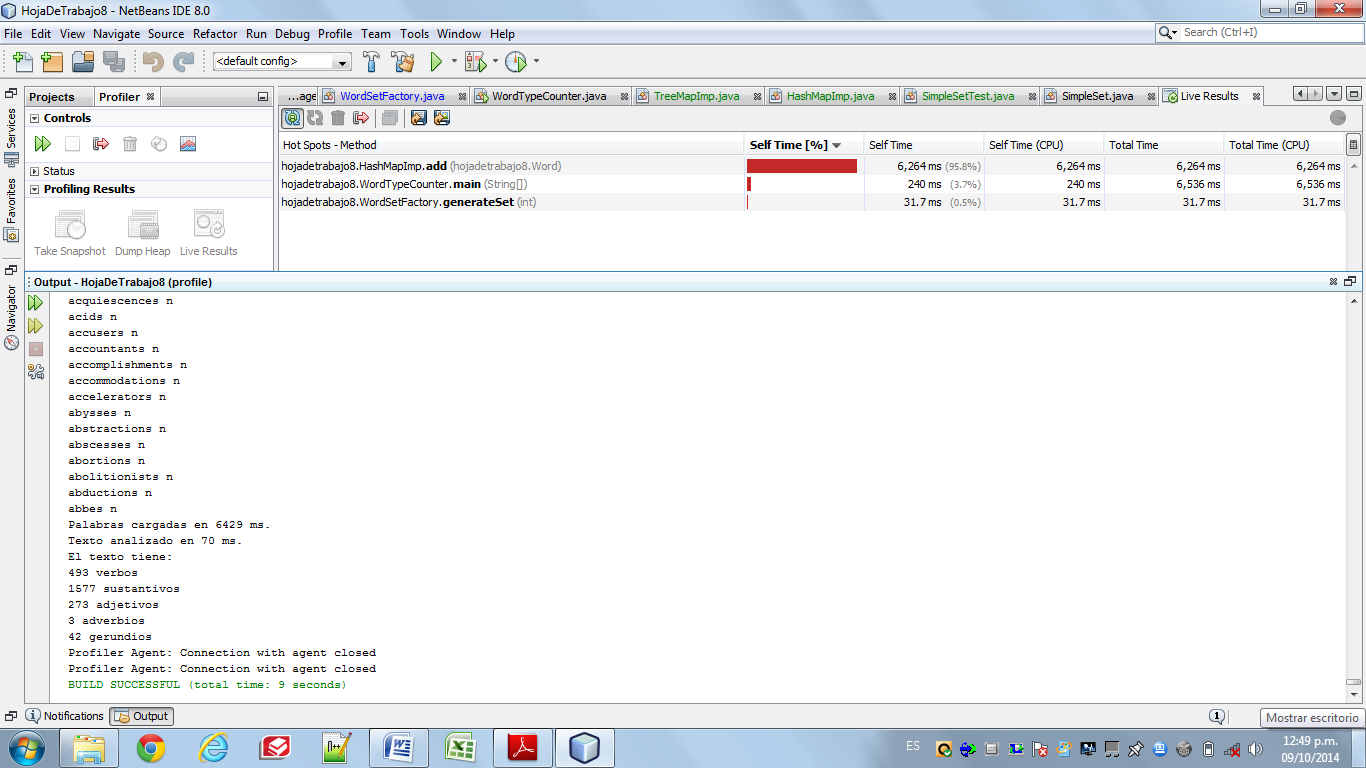
**Resultados Profiler**

1. Simple Set (tiempo)

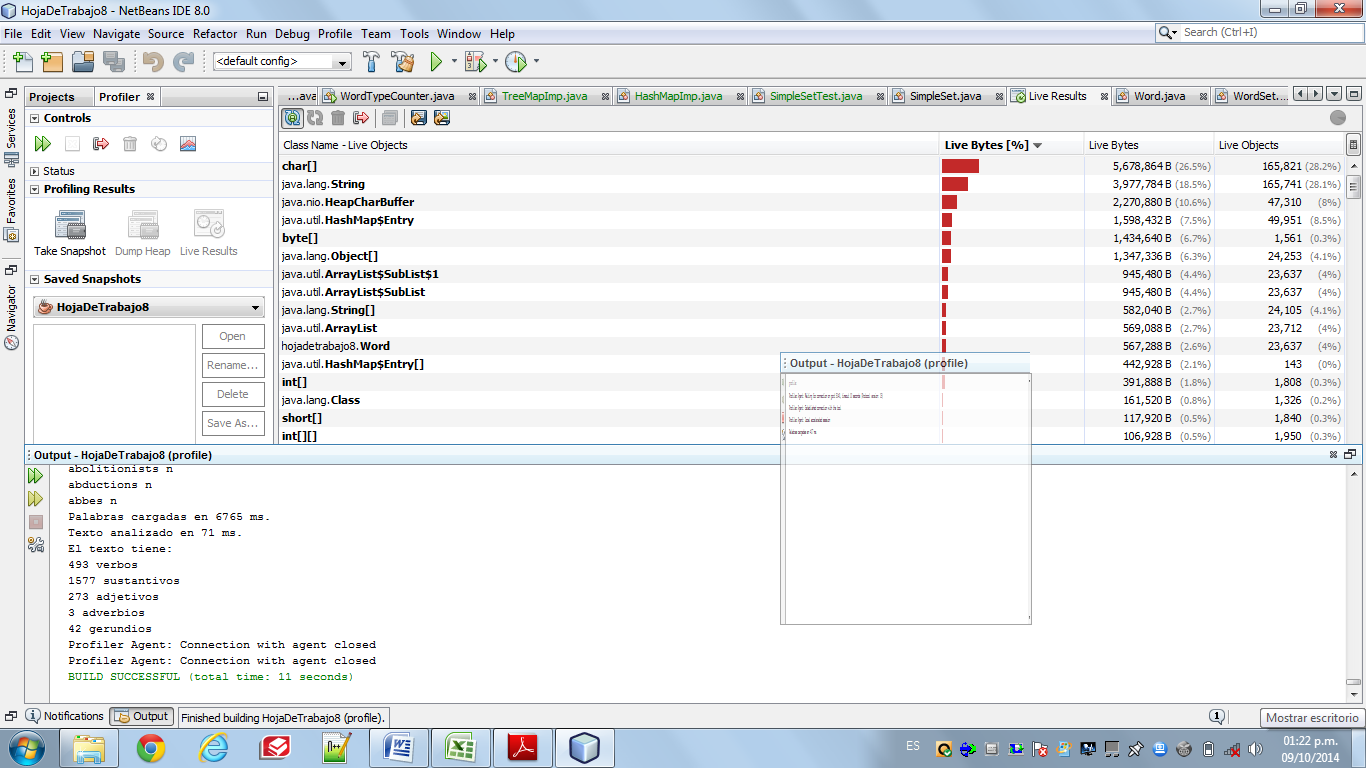
Simple Set (memoria)



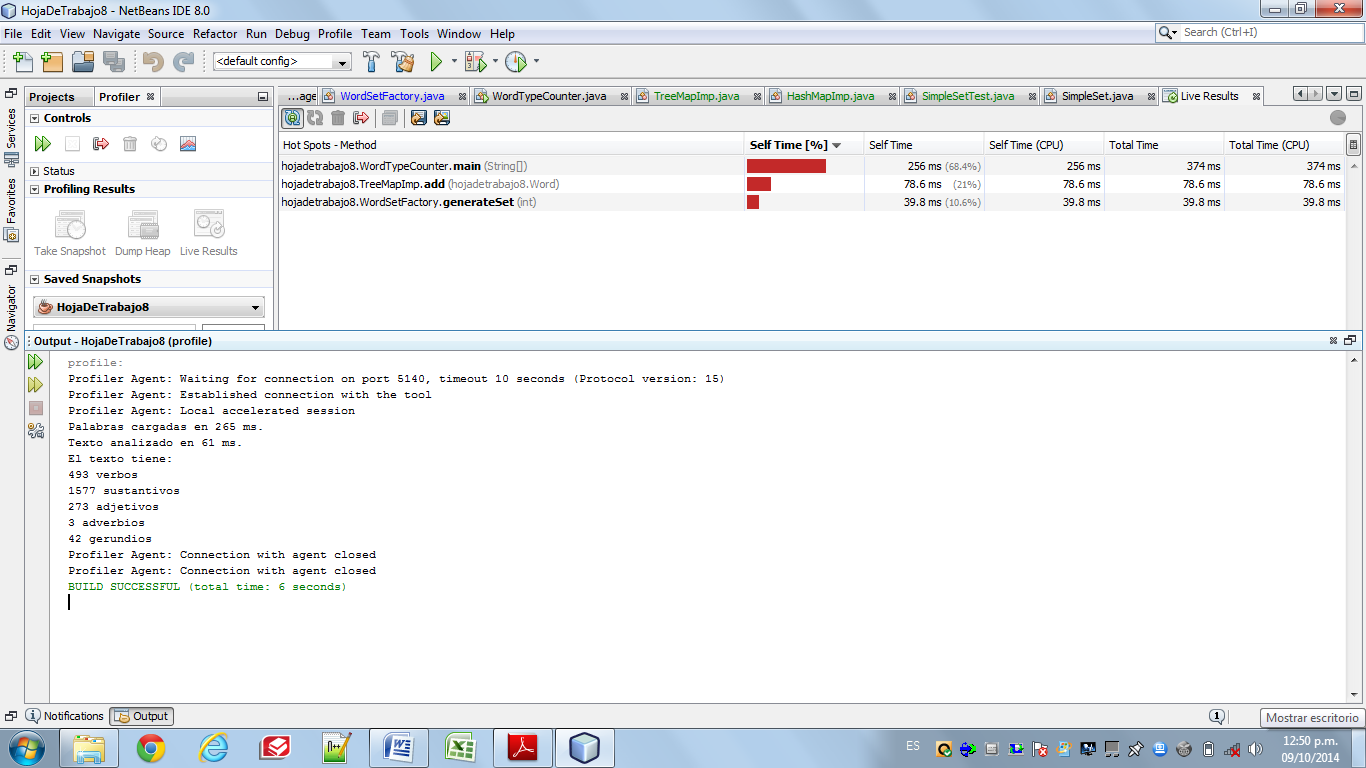
1. Splay Tree (tiempo)
2. Red Black Tree (tiempo)
3. Hash Map (tiempo)



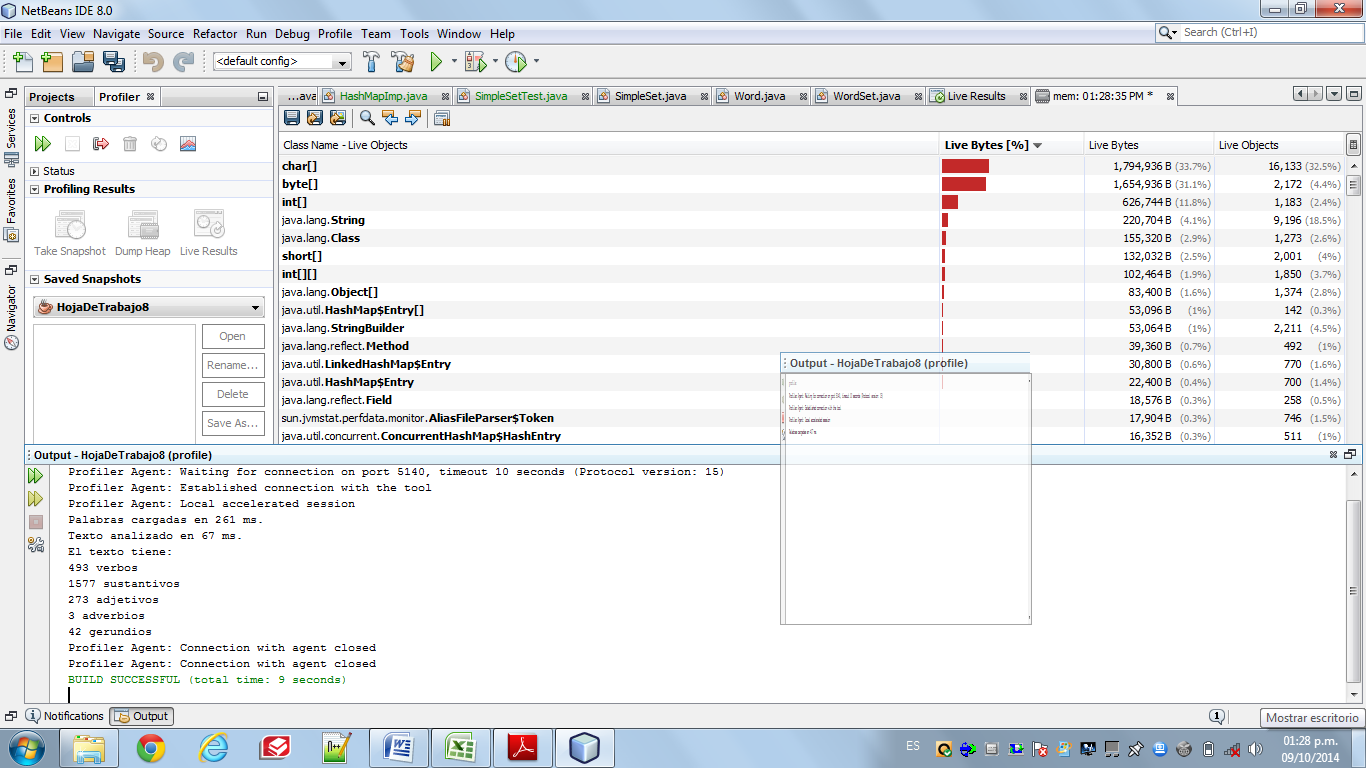
Hash Map (memoria)



1. Hash Tree (tiempo)



Hash Tree (memoria)



|  |  |  |  |
| --- | --- | --- | --- |
| **Implementacón** | **Complejidad O()** | **Tiempo de ejecución (ms)** | **Memoria (bytes)** |
| 1. Simple Set |  | 6330 | 33.60% |
| 1. Hash Map |  | 6536 | 26.50% |
| 1. Hash Tree |  | 374 | 33.70% |
| 1. Splay Tree |  |  |  |
| 1. Red Black Tree | O(log n) |  |  |