|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Search Technique | grid | List / Set type | Time Taken [s] | numwords |
| 4way | 3x3 | ArrayList | 0.63 | 13 |
| 8way | 3x3 | ArrayList | 4.451 | 54 |
| 4way | 4x4 | Linked List | 61.247 | 41 |
| 8way | 4x4 | Linked List | 9216.16 | 184 |
| 4way | 6x6 | HashSet | 4.264 | 96 |
| 4way | 6x6 | TreeSet | 4.201 | 96 |

From the data above, the time taken to find words from a grid using the same specified dictionary type is always less for the 4way strategy. Whereas for the 8 way it takes a longer time but finds significantly more words. The structure that took the longed time between the ArrayList and linked list was the linked list, even though the grid was larger than that used for the ArrayList. The hash set and tree set were running for the same grid and strategy(4way), the times were close, but the tree set took less time to find all the words.