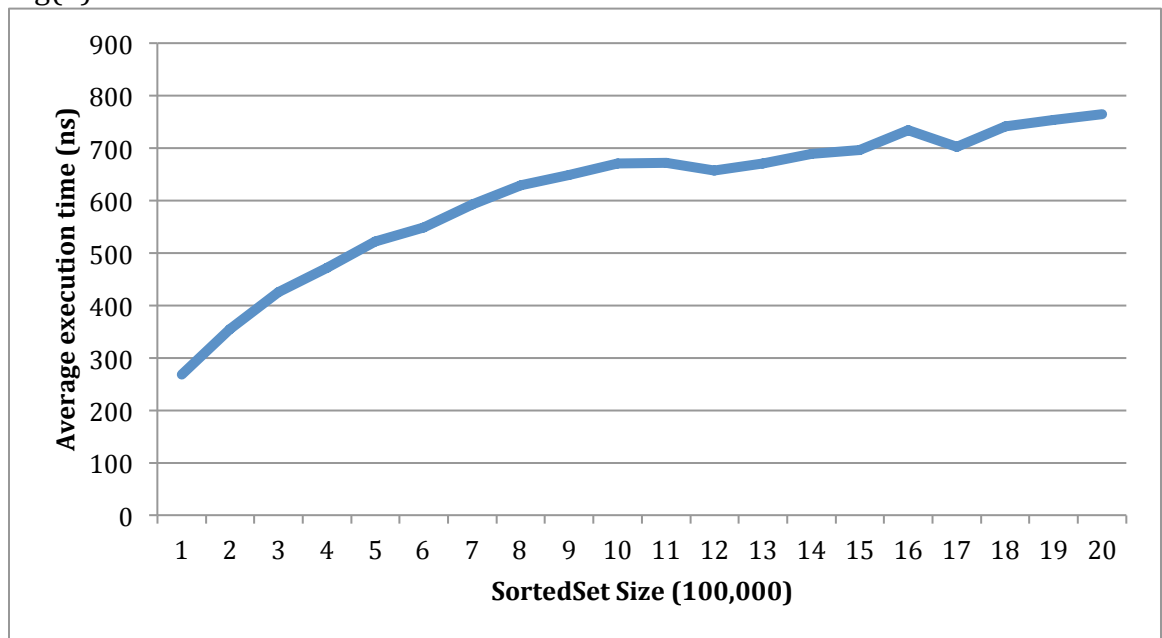


Scott Dowell  
Assignment 2 Analysis

1. None, I had difficulty finding a partner for this assignment
2. N/A
3. N/A
4. The implementation would need to pass through method calls to the internal list in addition to checking for duplicates. Running time would be less efficient because of relying on List's indexOf method, which is likely a slower searching implementation than a binary search because Lists are not ordered. The implementation time would be shorter due to not having to implement search methods.
5.  $\log(n)$ , contains() only runs a binary search.
6. Runtime of MySortedSet.contains averaged over 1,000,000 calls, resembles  $\log(n)$ .



7. [I ran out of time at this point]
8. Around 10 hours.