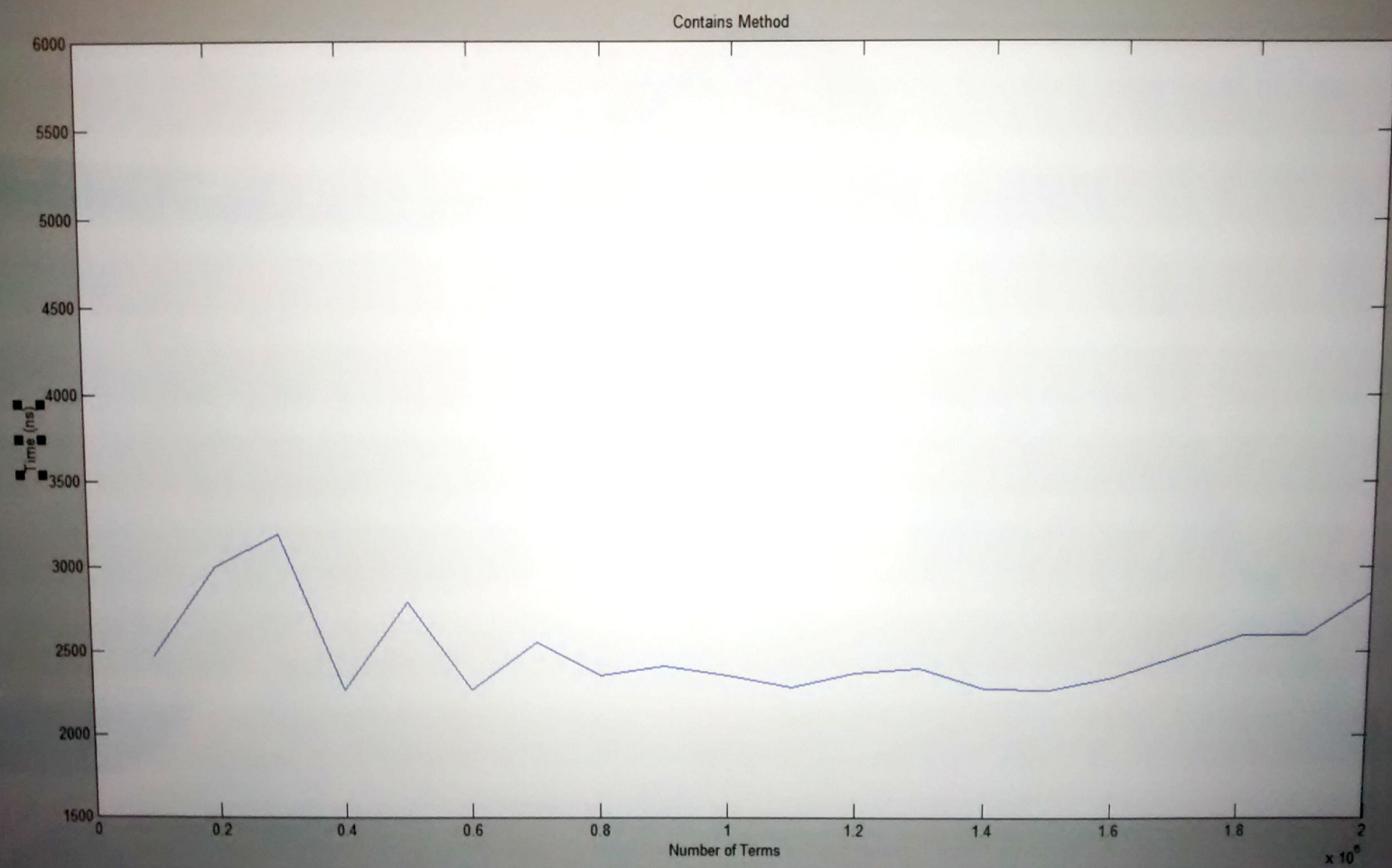Kyuho Ji
Miriah Meyer
CS 2420
February 5, 2015

Assignment 3 Analysis

1. Cameron Pickle. Me.

2. All the time. Less, to let each person get into a rhythm.

3. He does well, but seems to get frustrated easily

4. If we had used an ArrayList instead of a regular array, there would be no need to grow the array when it got to small because ArrayLists grow automatically when you add a new element. More efficient because it already implements the iterator interface so we wouldn't have needed to implement the methods.

5. $O(logN)$ because the contains method uses binary search so it does a lot of dividing by two.

6. I can't really tell if it does follow it because at first it seems constant but then to curve upward slightly

7. $O(N)$

8. 10-12

Contains Method

Worst Case Add Method

Time (ns) vs Number of Terms (x 10⁵)