**INFO 6205**

**Program Structures & Algorithms**

**Assignment 5**

In this assignment we need to test that in a BST if we input or delete for M times,

If the height of this tree’s height become sqrt(N)? N = Number of Nodes in the tree

After my experiments, when M is large enough, the height of the tree will become equals to sqrt(N).

**Height=sqrt(N)**

I ran this code in 100 elements by initializing the seed tree and do the manipulation form 10 times to 81920.

The height of the tree become lower significantly with the grow of the add or remove manipulation times. From M=10000, it meets the assumption that H=sqrt(N).

