

INFO 6205

Homework 5

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My conclusion:

My result is same as the conclusion which professor gave us. The experimental results show that it is closer to $\log N$. I did it by two steps. First, I built a tree, the max height is h , and the max value is 10000. The value is selected randomly. Second, I set the test times are $1500 \cdot h$, in the meanwhile, it delete and put value randomly.

After I get the data, I draw a graph which is following below.

