

Paul Martin Gentile

1)

Michael Morris is my programming partner and he uploaded the code.

2)

we swapped some what frequently. i don't mind swapping or not as i read code

3)

yes i worked with the same partner. He seems is good at boolean logic operations which are very annoying

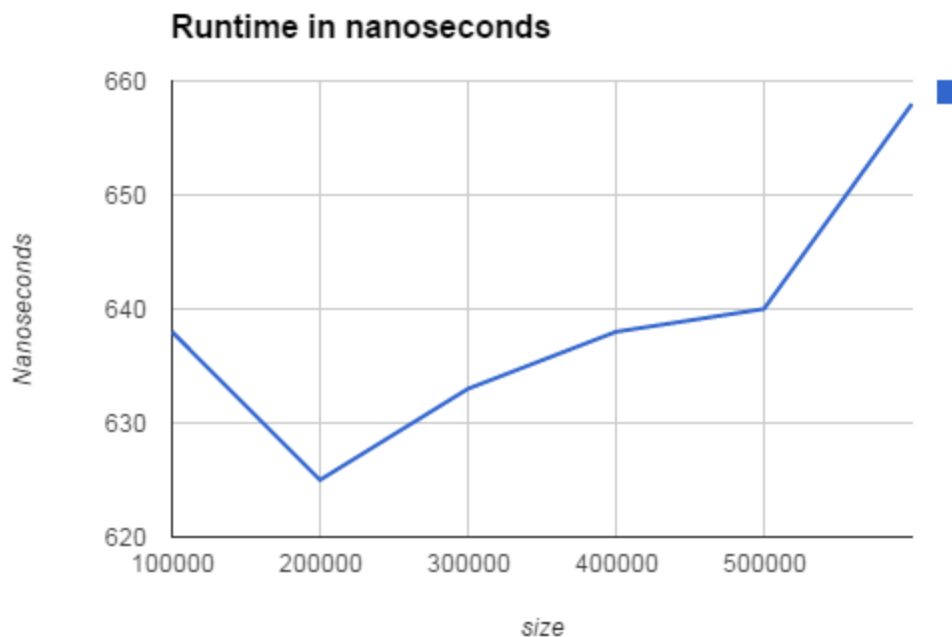
4)

size adjustments will be removed the entire list would have to be iterated and insertion will be a function call, it would be a worse case $O(n)$ search time making it less efficient.

5)

logn because its a modified binary search function.

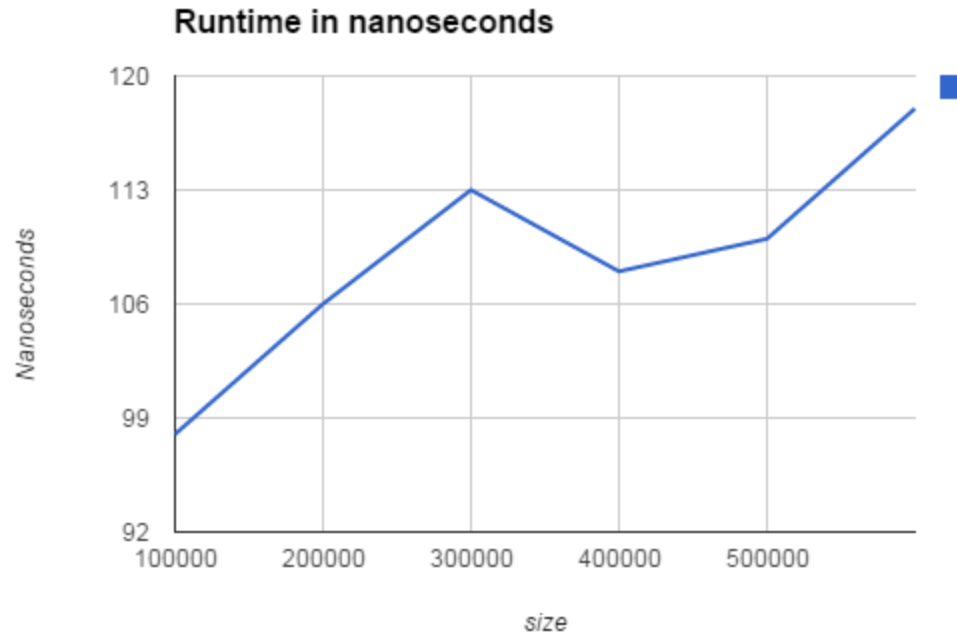
6)



this is about a log n runtime with alot of noise i ran this several times and that is these are the averages minus the way out there ones. i used my desktop development machine and my partner used his laptop.

7)

this is a log n runtime but i have no clue why it is so much faster.



8)
i think we spent like 9 hours on this.