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EE 599

HW1

01/27/20

1. Proof that FindMax always finds the max value in the input vector for non empty input vectors

Proof by contradiction:

Is the following true?

“FindMax always finds the non-max value for non empty input vectors”

1. Github: <https://github.com/candre97>

Stackoverflow: <https://stackoverflow.com/users/12720784/charles-andre>

1. <https://github.com/candre97/EE599-HW1/tree/master/HW1_Q3>

* Tests are included for some normal cases and corner cases
* Runtime is O(n log(n))
  + <https://stackoverflow.com/questions/4484900/what-is-the-time-complexity-of-stdsort-in-the-c-standard-library>
  + The only thing that my code runs through all inputs for is std::sort