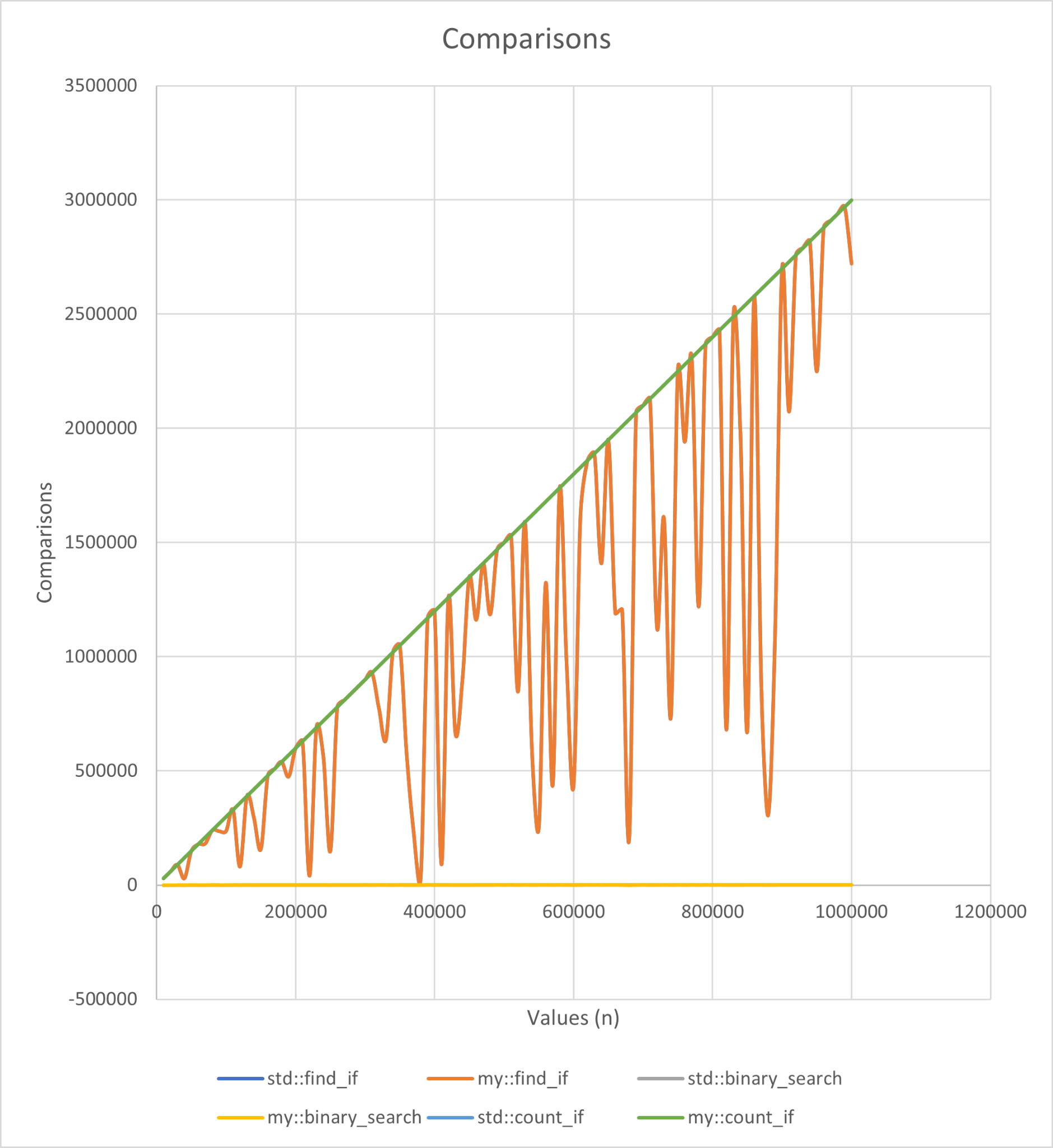


From the runtime graph, we can see that binary search is much more efficient than linear search.The trend line for std::find\_if (dark blue) was higher than that of std::binary\_search (grey), or my::binary\_search (yellow), meaning that it took, on average, more time to run the search.



Similarly, the comparisons graph also shows that the number of comparisons it took for binary search is significantly smaller than that of linear search. The numbers for binary search consistently stay below 100, whereas the numbers for linear search stay above thousands. Binary search is more efficient than linear search that it takes less time to run and less comparisons to make.