

*Justification for running time of function, find\_min\_iterative:*

In the worst case scenario, the running time of find\_min\_iterative is  $O(n)$ ,  $n$  being the size of the array. It would be  $O(n)$  aka linear because in the worst case scenario, it would have to check every index of the array in search of the minimum value.

*Justification for running time of function, find\_min\_recursive:*

Although my find\_min\_recursive is not properly working, my idea about the running time is that we recurse  $(n-1)$  times until we hit base case. Therefore the time complexity would be  $O(n-1)$ , which is basically  $O(n)$  since we drop constants.