When running my code, it should at worst take n^2 amount of time to run. This is because when I am checking a position in my array, I have to check what mount change is, the max for the array from my position whether it be even or odd, and then I have to change the position I am checking to the new max I found. This results in it taking n^2 to run, this however is my worst case. For my best case the array is already sort of sorted, so I then have to just check every position in my array and check to see if the value is in the right place, so this would take n. My average case would be somewhere in between my worst case and my best case, so if it is an array of length 5, my time taken would be somewhere between 5-25.