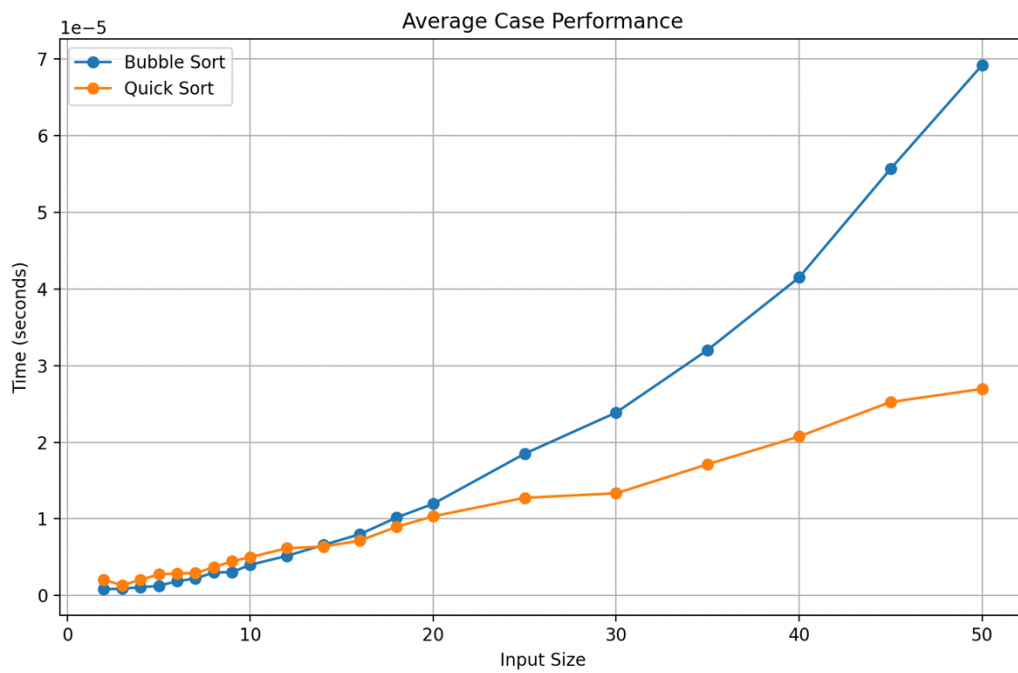
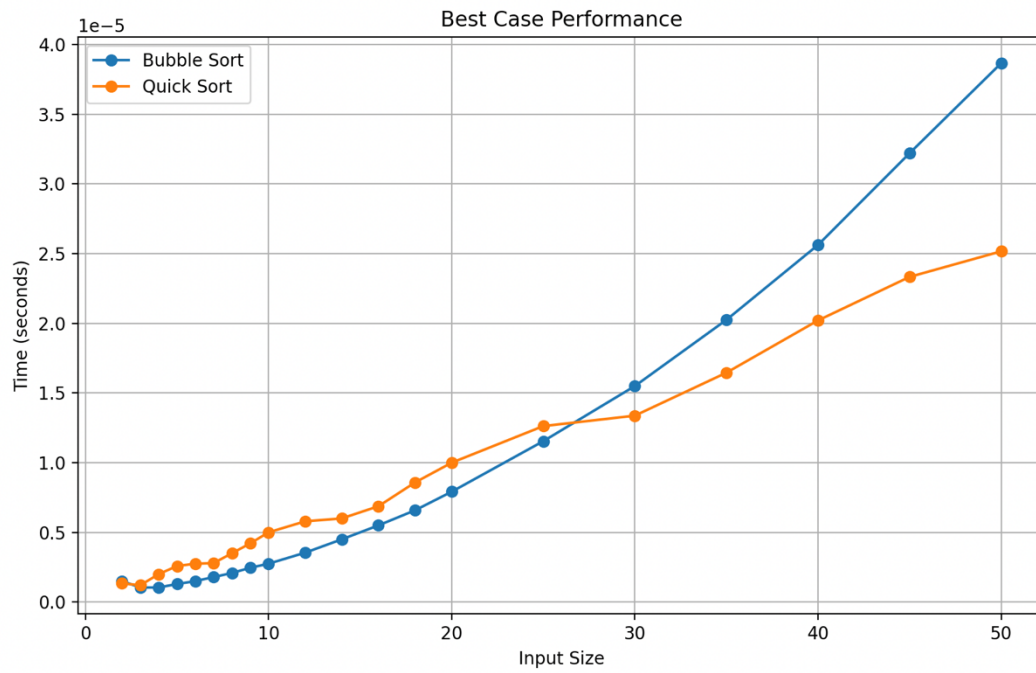
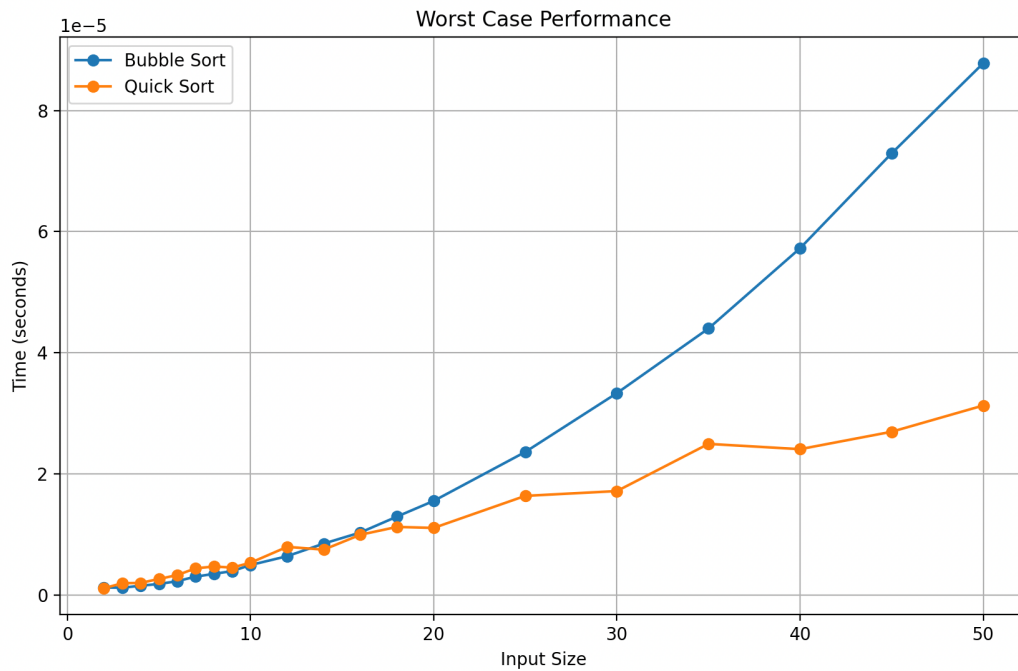


ex2.pdf

3.) - Plots





4.) – Threshold

The threshold at which the array size is no longer considered small, based on the plots, would be roughly a size of 14. This is the point indicated by the plots at which quicksort becomes the more efficient algorithm in terms of the time taken to sort. This is clearly shown through the plots as when looking at both the worst case and average case, 14 is roughly the input size when the time graphs of both algorithms converge. Average case and worst case are the two important plots as those are what we care about, best case does not matter all that much. Therefore at array size 14, the array is no longer considered 'small'.