



After writing the bubble sort algorithm in the microprocessor, I increased the size of the array one by one and calculated how long it took to sort the array in each size. As a result of these calculations and in the graph I have created, I see that there is not much increase in time when the size of the array is small numbers such as 3 4 5, but when the size of the array reaches larger numbers such as 80 90, the sorting algorithm takes many times more time. The rate of increase in the time taken by the algorithm is higher for larger numbers. These are my findings as a result of my homework.