

Bubble Sort – Descending Initialization

- The 11 data points indicate an $O(n^2)$ relationship between list length and sorting time. The quadratic trendline fits the data with an R^2 value of .9999.
- Prediction for the time required for Bubble Sort to sort a descending (reverse sorted) list of length 10,000,000: $y(10000000)=399930.5981$ seconds or 111.09 hours

