Merge Sort – Ascending Initialization

- The 11 data points indicate an O(n $\log_2$ n) relationship between list length and sorting time. The relation between length of list and time can be modeled by n*$\log_2$(n)/259558503.407.
- Prediction for the time required for Merge Sort to sort an ascending (pre-sorted) list of length 10,000,000,000: y(10000000000)=1279.84 seconds or 21.33 minutes