Merge Sort – Random Initialization

- The 11 data points indicate an O(n log$_2$ n) relationship between list length and sorting time. The relation can be modeled by n*log$_2$(n)/120667964.798.
- Prediction for the time required for Merge Sort to sort a randomly initialized list of length 10,000,000,000,000: y(1000000000000)=2752.95 seconds or 45.88 minutes