Runtime.js Notes

Our results for theextraLargeArray when I ran the file with node gives us 3.192169059 seconds for the first function, and 6.766685 ms for our second function. For the sake of simplicity, the table below will be the recording of how I will determine the scalability of our functions. See below:

Arrays	Insert	Append
TinyArrary	74.433 µs	185.982 µs
SmallArray	99.562 µs	274.767 µs
MediumArray	321.017 µs	275.585 µs
LargeArray	19.352217 ms	1.952473 ms
ExtraLargeArray	3.192169059 s	6.766685 ms

After running through the tests, it is apparent that the doublerAppend function scales better compared to the douberInsert function. We see that by the time we benchmark the largest array, we see the inserter function calculates longer while the Append function scales better while taking less time to calculate. I would recommend the appender function for more scalable applications and as the faster algorithm.