Data from runtime.js

	tinyArray	smallArray	mediumArray	largeArray	extraLargeArray
doublerAppend	38.25	58.958	91.292	456.25	3699.792
doublerInsert	22.958	23.292	130.917	6281.209	768926.209

*All units are in microseconds

Notes: Each function scales based on the size of the input. The larger the input, the longer it takes to run the function. Append scales better than insert. As the size of the input increases, the processing time increases at a faster rate for insert than append. This is due to how each element is added. Insert adds to the front of the array, therefore each element must be assigned a new position whenever an element is added. Append adds to the rear of the array, therefore only the new element is assigned a new position.

Results for the extraLargeArray
insert 768.926209 ms
append 3.699792 ms
Steve@MacBook-Pro-5 cs % node runtime.js
Results for the largeArray
insert 6.281209 ms
append 456.25 µs
Steve@MacBook-Pro-5 cs % node runtime.js
Results for the mediumArray
insert 130.917 µs
append 91.292 µs
Steve@MacBook-Pro-5 cs % node runtime.js
Results for the smallArray
insert 23.292 µs
append 58.958 µs
Steve@MacBook-Pro-5 cs % node runtime.js
Results for the tinyArray
insert 22.958 µs
append 38.25 µs