

	doublerAppend	doublerInsert
tinyArray	36.375 µs	14.959 µs
smallArray	49.5 µs	26.917 µs
mediumArray	75.375 µs	104.459 µs
largeArray	347.375 µs	5.82425 ms
extraLargeArray	6.100958 ms	712.753583 ms

The doublerAppend function has a linear runtime complexity of $O(n)$. This is because the result is proportionate to the size of the input. The doublerInsert function has a time complexity of $O(n^2)$ because the runtime is proportional to the square of the size of the input. The doublerAppend function scales better. doublerInsert will only have a longer runtime every time the array gets longer.