	Append	Insert
tArr	97.12 μs	38.11 μs
sArr	110.02 µs	55.66 μs
mArr	153.23 µs	160.28 µs
IArr	617.11 µs	6.26 ms
AIA	11.71 ms	935.81 ms

As the size of the array increases each functions runtime scales at a very different rate. The function that appends grows at a linear rate or O(n), while the function that inserts grows at an exponential rate or  $O(n^2)$ . Even though the append function starts out slightly slower, it's not moving everything in the array like the insert function does. Therefore the append function is better optimized to scale.