

extraLargeArray:

Insert results: 1.118640536 s

Append results: 4.585683 ms

tinyArray:

Insert results: 49.026  $\mu$ s

Append results: 134.758  $\mu$ s

smallArray

Insert results: 67.273  $\mu$ s

Append results: 179.202  $\mu$ s

mediumArray

Insert results: 208.264  $\mu$ s

Append results: 212.315  $\mu$ s

largeArray

Insert results: 8.655403 ms

append results: 773.745  $\mu$ s

The pattern I see within these two functions is that function 1 is always faster. The .push method seems to always get the job done the fastest. The results for the medium array are different, it is the only one that the two methods are close to being the same amount of time. The large array is another outlier, the append or unshift method seems to be much faster than the .push method. The mediumArray scales the best because it has the closest runtimes.