Runtime analysis

timing result for the extraLargeArray:

- Results for the extraLargeArray
    - insert 1.178167709 s
    - append 21.084708 ms

	doublerAppend	doublerInsert
tinyArray	append 20.563541 ms	insert 1.105555542 s
smallArray	append 18.817167 ms	insert 1.112491917 s
mediumArray	append 39.659666 ms	insert 1.089630833 s
largeArray	append 18.322875 ms	insert 1.093464542 s
extraLargeArray	append 21.084708 ms	insert 1.178167709 s

It appears that the doublerAppend function is more consistent regardless of the array size. Also appending elements to the end of the array using the push method seems to maintain a consistent time complexity as the array grows. Whereas, the doublerInsert function shows much higher execution times that indicates poor scaling. The unshift method used in this function is probable causing the issue since it inserts elements at the beginning of the array and requires shifting all other elements,