function	Extra large	large	medium	small	tiny
insert	5.088803798 s	31.772956 ms	551.17 µs	92.41 µs	96.438 µs
append	7.778833 ms	1.276404 ms	293.56 µs	556.427 μs	96.438 µs

Insert is an O(n) operation as it requires all elements at or after the insert position to be shifted up by one. append, on the other hand, is generally O(1) and O(n) in the worst case, when more space must be allocated). This explains the substantial time difference.