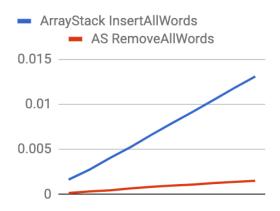
## ArrayStack:

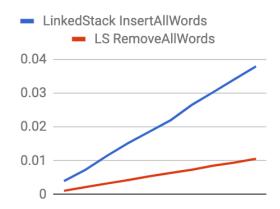


Observed time complexity:

**Insert: O(1)**. Inserting n words takes O(n) time, as observed in the graph

**Remove: O(1)**. Removing n words takes O(n) time, as observed in the graph

## LinkedListStack:

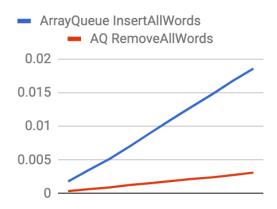


Observed time complexity:

**Insert: O(1)**. Inserting n words takes O(n) time, as observed in the graph

**Remove: O(1)**. Removing n words takes O(n) time, as observed in the graph

## ArrayQueue:

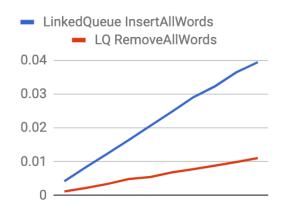


Observed time complexity:

**Insert: O(1)**. Inserting n words takes O(n) time, as observed in the graph

**Remove: O(1)**. Removing n words takes O(n) time, as observed in the graph

## LinkedListQueue:



Observed time complexity:

**Insert: O(1)**. Inserting n words takes O(n) time, as observed in the graph

**Remove: O(1)**. Removing n words takes O(n) time, as observed in the graph