Exam Notes  
  
Extra Large Array  
Results for the extraLargeArray

insert 990.2367 ms

append 3.9336 ms   
  
Large Array  
Results for the LargeArray

insert 8.8993 ms

append 783.3 μs  
  
Medium Array  
insert 171.5 μs

append 126.2 μs  
  
Small Array  
insert 49.6 μs

append 110.3 μs  
  
Tiny Array  
insert 32.7 μs

append 80.7 μs  
  
**Compare**  
Looking over the results of the two functions it looks like the first one does a little better with the small arrays but as the arrays get larger the second function gets a lot faster. We can tell this by comparing the times as the arrays grow throughout the different tests.   
  
**Extra credit**Looking into the two different methods it looks like the way both the functions work is what makes them so different in speed. The push array adds to the end which is quick UNTIL it gets to the large sizes since it will run out of allocated space and have to keep making more room then adding all the information back over. The unshift adds to the front so its always copying over all the data then slotting in the new number at the front.