extraLargeArray  
Insert = 983.3136 ms  
Append = 3.0882 ms  
  
largeArray  
Insert = 7.9789 ms  
Append = 495.1 (mu)s  
  
mediumArray  
Insert = 238.8 (mu)s  
Append = 132.5 (mu)s  
  
smallArray  
Insert = 47.6 (mu)s  
Append = 94.5 (mu)s  
  
tinyArray  
Insert = 39.2 (mu)s  
Append = 187.4 (mu)s  
  
The pattern for insert is exponential, whereas the pattern for append is less extreme but still trends upward but not nearly as fast. Insert scales incredibly quickly and the append scales upward just much slower. Append scales better because it only adds to the beginning and does not have to go through the entire array to add it to the end.