**Assignment 3**

1. \* Describe algo \*

Our primary probability of crossover and probability of mutation are 0.15 and 0.20 respectively. An initial run shows us that at generation 97, we hit the maximum of 31.0234404567.

Test 1: Using our initial probability of crossover, we increased the probability of mutation to 0.55 and the maximum was achieved at generation 227.

Test 2: Using our initial probability of mutation, we increased the probability of crossover to 0.80 and the maximum was achieved at generation 17.