Alex Greene CPE 349 LAB #1

To determine how many elements my selection sort could sort in 1 hour, we need to plug in to the equation, y = 3E-07x^2 + .0018x – 14.405 where y = 3,600,000 MS. Solving for x, we get **3.46111×10^6 elements**. Similarly, using the same procedure with a logarithmic equation for merge sort, we get **2.80673638982682630213365711376855189136503126 × 10^495459 elements**.