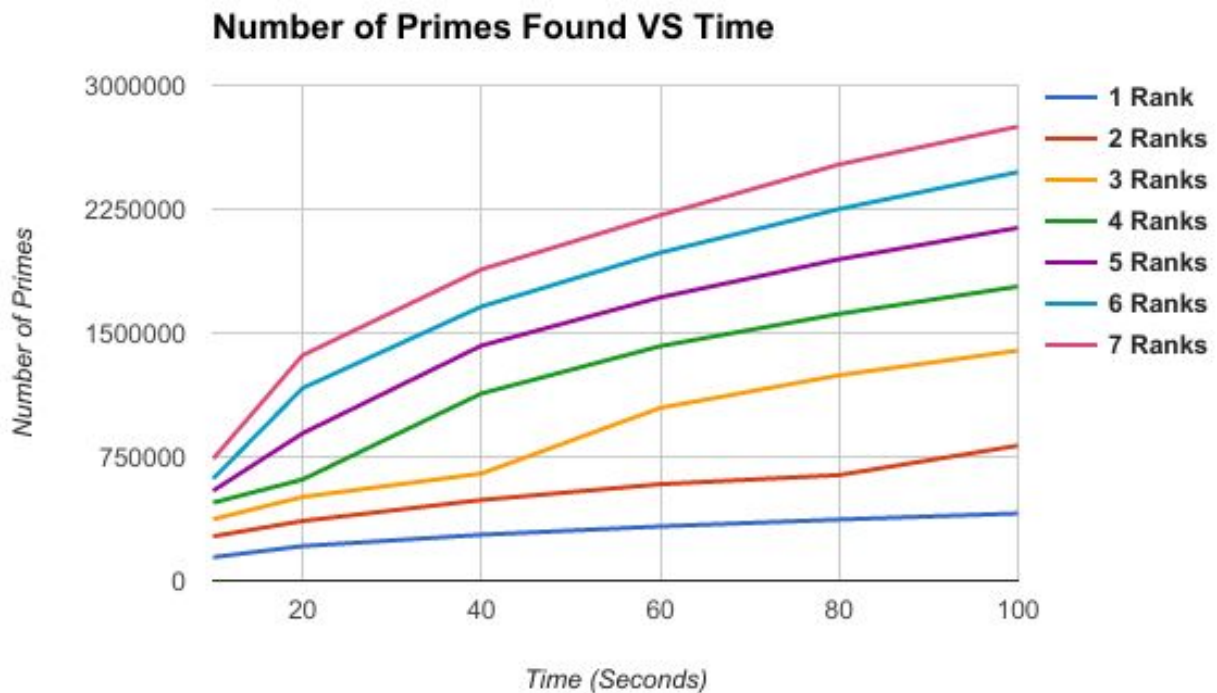


Homework 3 Speedup Graphs

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I must say that I hadn't thought of finding prime numbers as being parallelizable, but this homework proved me wrong! I don't know if our implementation of the prime number algorithm was the most efficient, but it seems to give us the primes we needed. Below are two graphs, the first showing the distance our algorithm got into the primes with different numbers of ranks over time, and the second showing the number of primes found in 100s as a function of the number of ranks. We ran on a computer with 8 cores, so we used up to 7 to get the best efficiency.



Primes in 100 Seconds vs. Number of Ranks

