Hailey Wilder

Test Results

I ran Fibonacci sequence tests of various iterations with an input value of 20. The results are summarized in the table below.

N iterations with input 20	Time using iteration	Time using recursion
100	0	0
1000	0	0
10000	0	1
100000	0	4
1000000	0	40
10000000	0	448

Test Analysis

The iteration method is so fast that even large numbers of tests create a discernable difference between the time it takes to calculate. The recursive function however, takes much longer as iteration length increases. This shows that the iteration method is a much more optimal methodology.