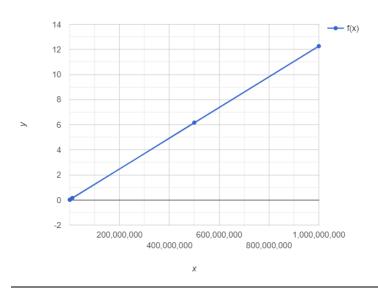
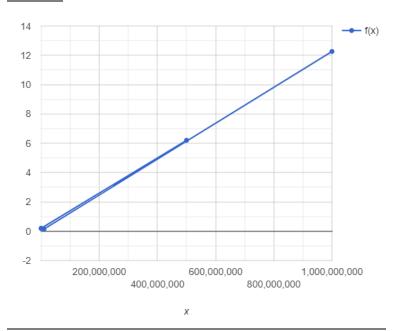
<u>A4</u>

Scatter:



ScatterV:



Based on the timings collected it seems the two run similarly with very large values, the main difference I saw was that the scatter was much quicker with a very small N value, such as 1000. While scatterV took relatively the same amount of time for N = 1000 and N = 100000 whereas scatter saw much more time improvement with the same amount of shift to the N value. The main difference appears to be on the left side of the graph, left of the 50000000 N value dot, where you can see scatterV branches off higher than scatter left of that value.

