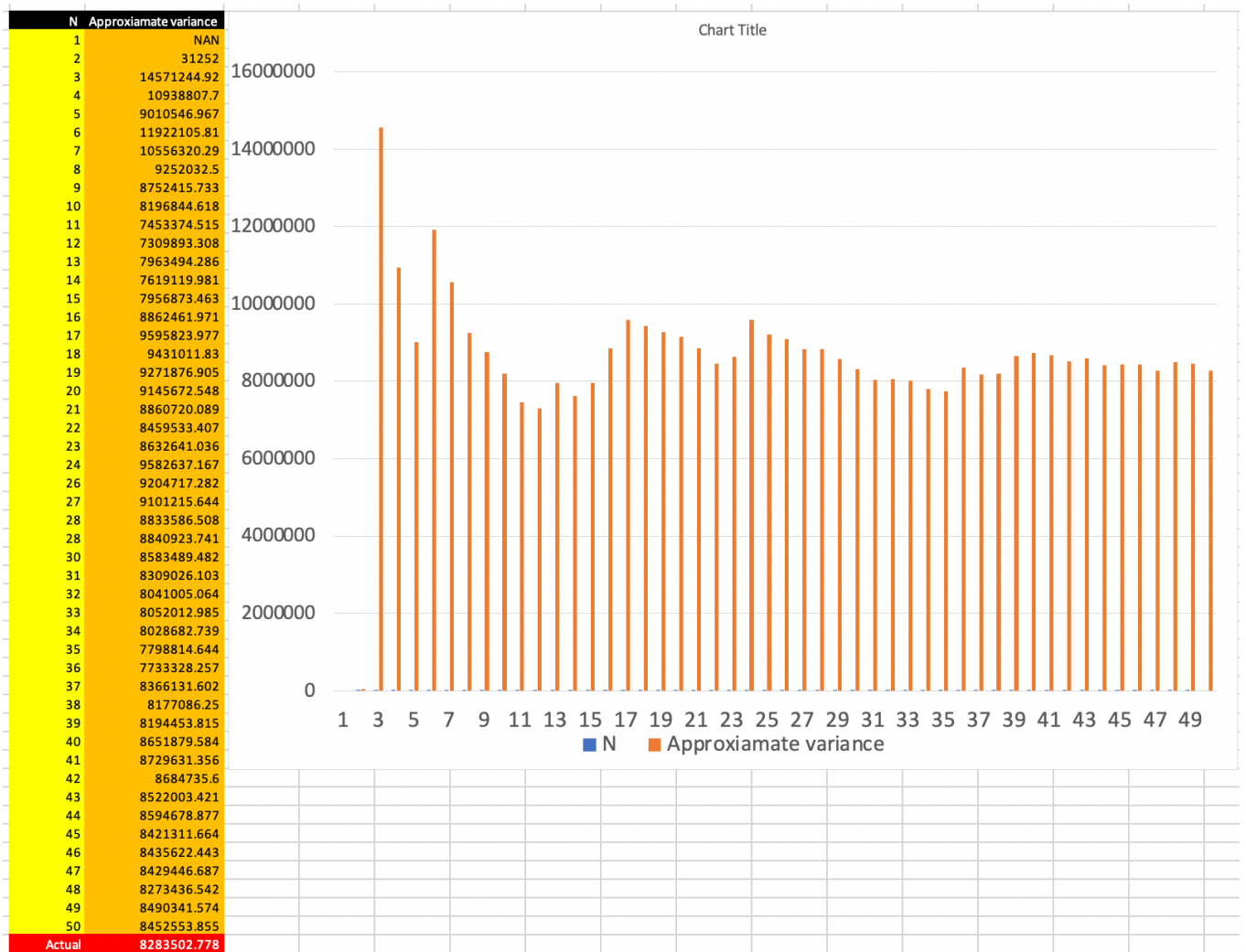


Question 4(B) Report

1. First open the data as well as mean file.
2. The use the formula for running mean to calculate the approximate value of variance and print it out on another file

$$s^2 = \frac{\sum X^2 - \frac{(\sum X)^2}{N}}{N - 1}$$

3. Using this file, plot a graph (using excel sheets) comparing it with the Calculated Value of actual variance



Conclusion:

We can see that the value of running variance approaches the actual variance as we increase the number of input data numbers.