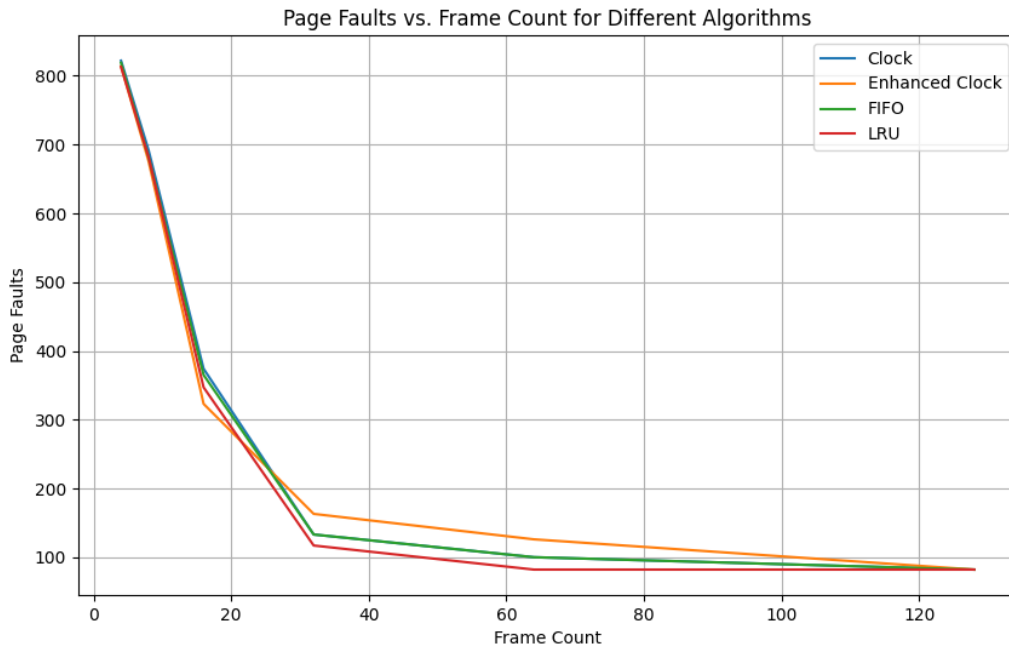


Project 3 Report

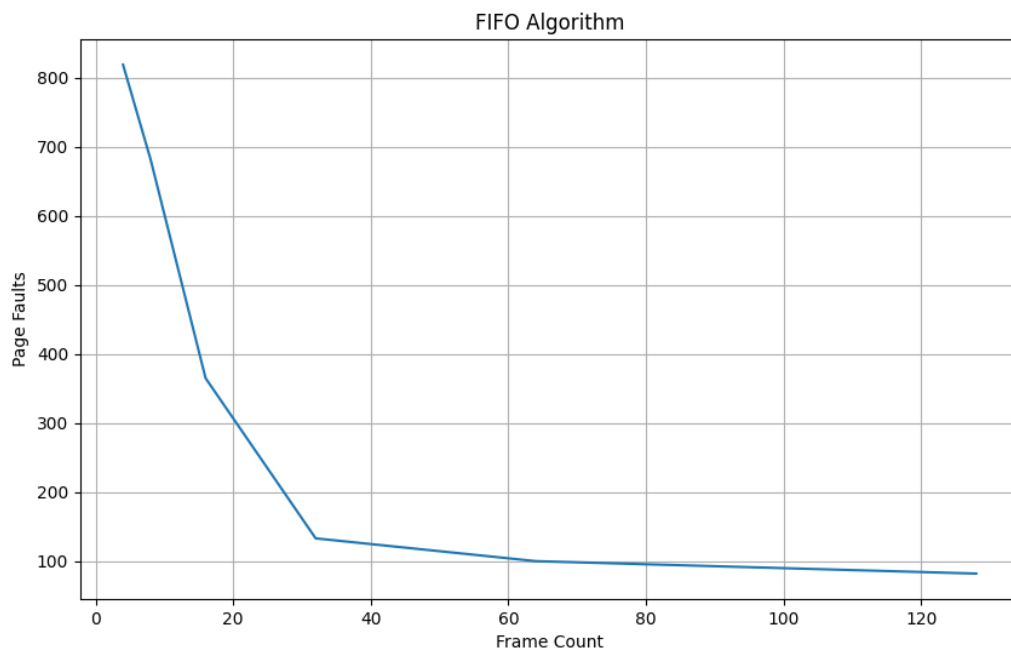
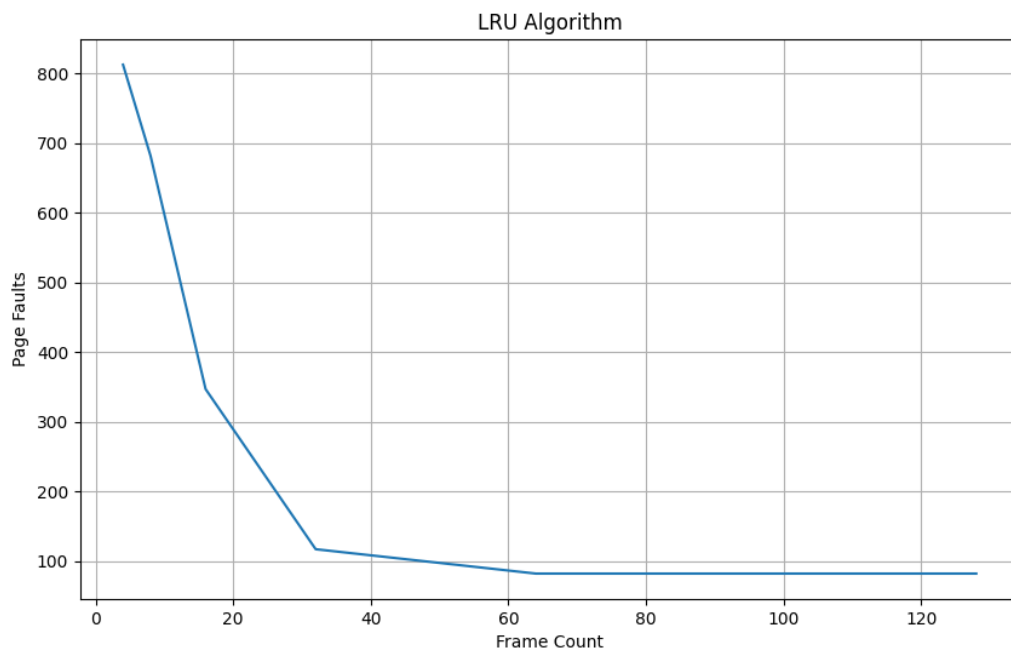
Mert Gençtürk 22003506

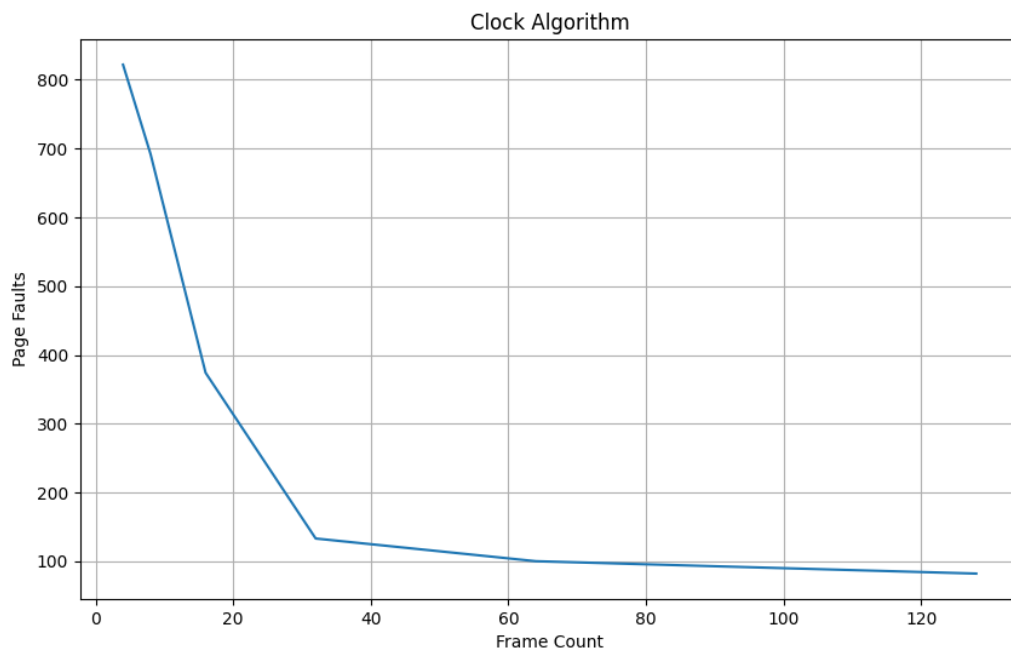
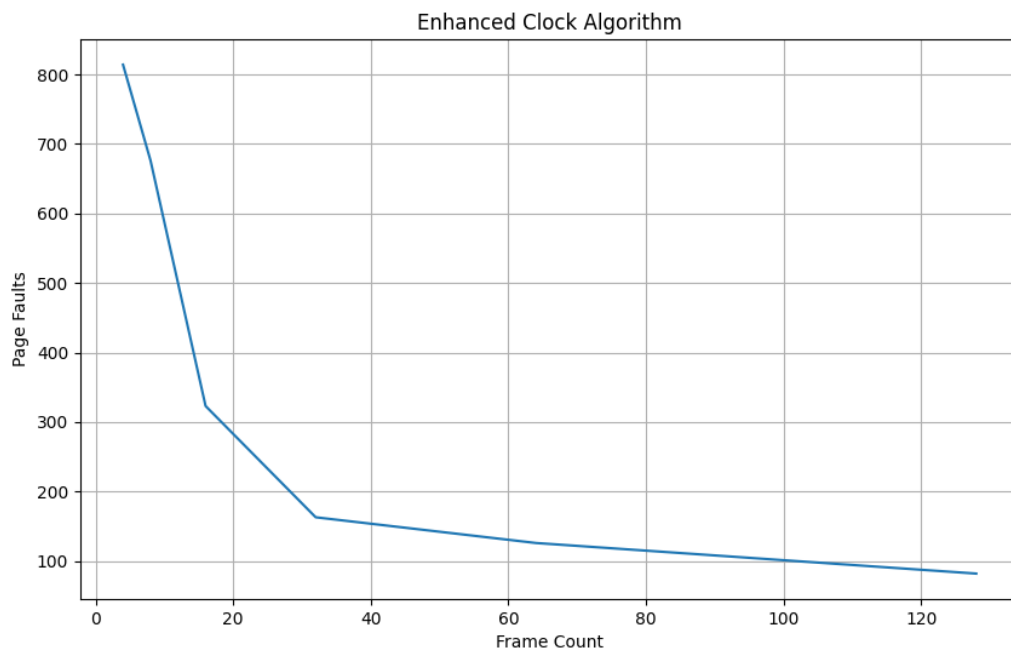
In the conducted experiments, it is shown that frame count increase has a decreasing effect on the number of page faults. Each algorithm shown similar results, interestingly, but LRU shown best numbers. Experiments conducted on randomly generated 974 references, with tick count 20. It is interesting that FIFO algorithm showed approximate results to other 3, but I believe that it is because of randomness of the input data. Each algorithms experiment results can be seen separately in below. Also, input text data is attached at the end of the file.



It can be seen that LRU performed best among all, and difference between clock and enhanced clock algorithms is related to number of write operations. Since when write operation count goes to 0, enhanced clock algorithm converges to clock algorithm.

In the experiments, Belady's anomaly did not observed.





Input File that have been used in the experiments:



addrs.txt