**AOS PROJECT - Page replacement policies simulation**

The purpose of this project is to write a memory management simulator that uses paging and measure the performance of following page replacement algorithms.

* Random
* Optimal or MIN algorithm
* NRU (Not Recently Used)
* FIFO (First-In-First-Out)
* FIFO with second chance
* Clock
* LRU
* LFU
* Working Set
* Aging (approximate LRU)
* WSClock

For a given number of frames (to a process in main memory) and page reference string, we need to analyze the performance of the above-mentioned algorithms, count the number of page faults and page hits and hence the miss ratio and hit ratio.

After calculating/finding the required data, we are representing it in the form of graph. This graph shows how different page replacement policies differ (keeping the number of frames same) in the count of page faults for the same page reference string.

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