Chase Brown

Operating System Concepts Lab-03

Simulating Page Replacement Algorithms

Page Replacement Algorithm Simulation (Frame Size: 128	=====
Page Fault Rates	
_	10000
	0.965
	0.965
	0.968
	0.777
Dago Donlagoment Algorithm Cimpletion (Eromo Cigo. 256	=====
Page Replacement Algorithm Simulation (Frame Size: 256) =====
Page Fault Rates	
Algorithm Total Page Faults 2000 4000 6000 8000	10000
	0.933
LRU 9331 0.936 0.935 0.933 0.934	0.933
LFU 9364 0.936 0.936 0.936 0.936	0.936
OPTIMAL 6934 0.788 0.732 0.71 0.7	0.693
Page Replacement Algorithm Simulation (Frame Size: 512	=====)
Page Replacement Algorithm Simulation (Frame Size: 512	=====) =====
Page Replacement Algorithm Simulation (Frame Size: 512	=====) =====
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000	===== 10000
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878	===== 10000 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877	10000 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875	10000 0.875 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875	10000 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875	10000 0.875 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875	10000 0.875 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875	10000 0.875 0.875 0.875
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606	10000 0.875 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606	10000 0.875 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606	10000 0.875 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606 Page Replacement Algorithm Simulation (Frame Size: 102	10000 0.875 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606 Page Replacement Algorithm Simulation (Frame Size: 102 Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 7604 0.821 0.789 0.768 0.766	10000 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606 Page Replacement Algorithm Simulation (Frame Size: 102 Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 7604 0.821 0.789 0.768 0.766	10000 0.875 0.875 0.875 0.591
Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 8752 0.894 0.885 0.877 0.878 LRU 8752 0.891 0.883 0.877 0.877 LFU 8747 0.891 0.882 0.878 0.875 OPTIMAL 5909 0.788 0.668 0.621 0.606 Page Replacement Algorithm Simulation (Frame Size: 102 Page Fault Rates Algorithm Total Page Faults 2000 4000 6000 8000 FIFO 7604 0.821 0.789 0.768 0.766 LRU 7585 0.818 0.787 0.769 0.765	10000 0.875 0.875 0.875 0.591 ======4 4) =======1