

VIRTUAL MEMORY SIMULATOR

Virtual Memory Simulator

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Memory Simulation

	Page Number	Frame Number	Status
1		5	Not Loaded
2		15	Not Loaded
3		17	Loaded
4		14	Loaded
5		9	Not Loaded
6		1	Loaded
7		2	Not Loaded
8		20	Loaded
9		7	Not Loaded
10		3	Loaded

Select Page Replacement Algorithm: FIFO

Select Allocation Strategy: First-Fit

Simulate Paging

Simulate Page Replacement

Compare Algorithms

Simulate Memory Allocation

Check Thrashing

Show Memory Blocks

Efficiency Report

Clear

Fig 1. Stimule paging

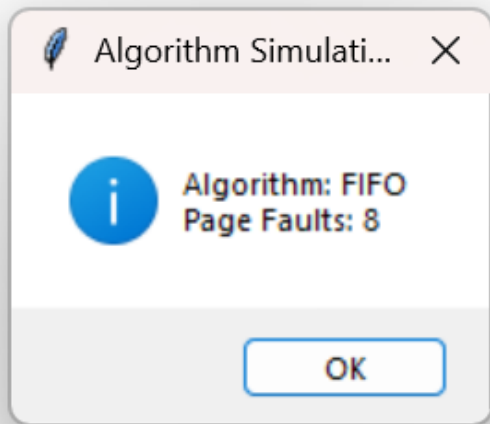


Fig 2. Algorithm allocation

Bélády's anomaly:

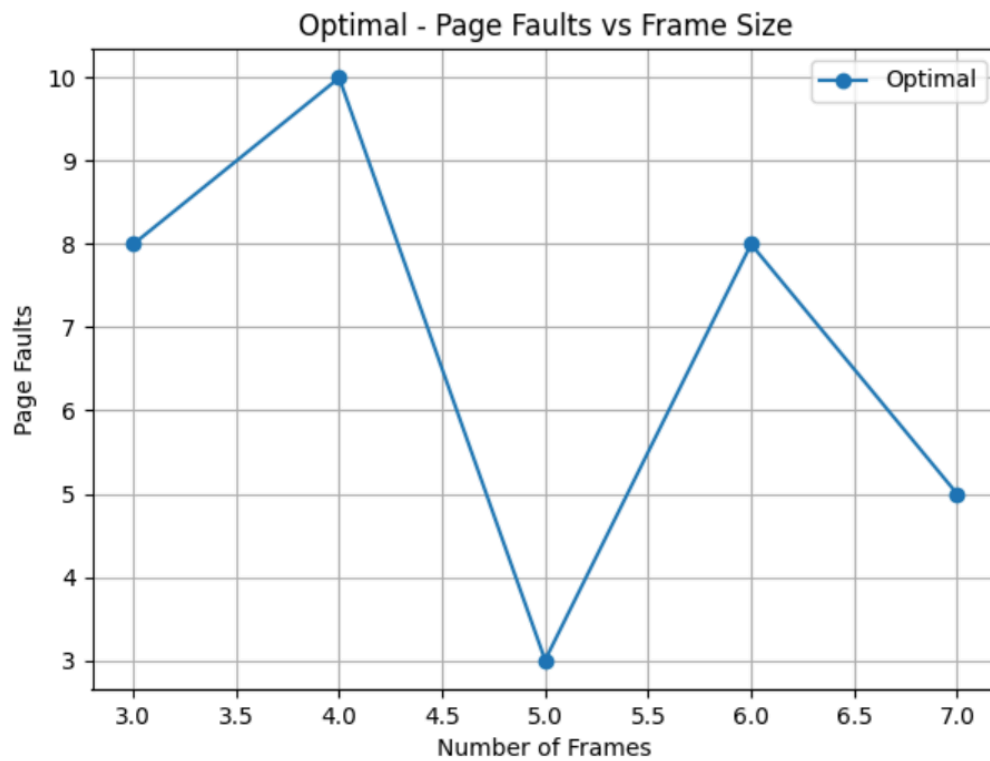


Fig 3. Optimal algorithm

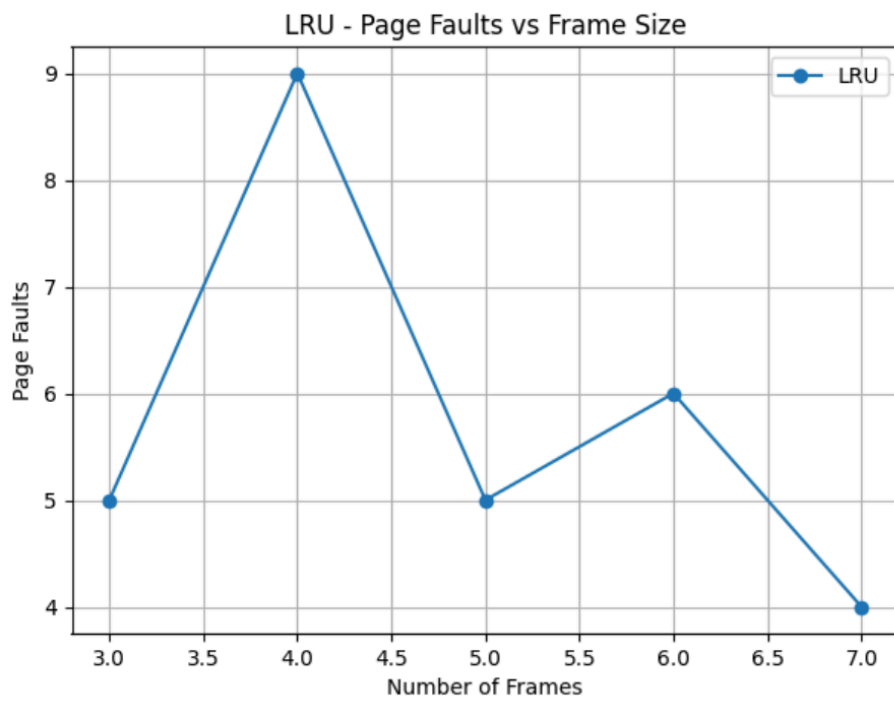


Fig 4. LRU Algorithm

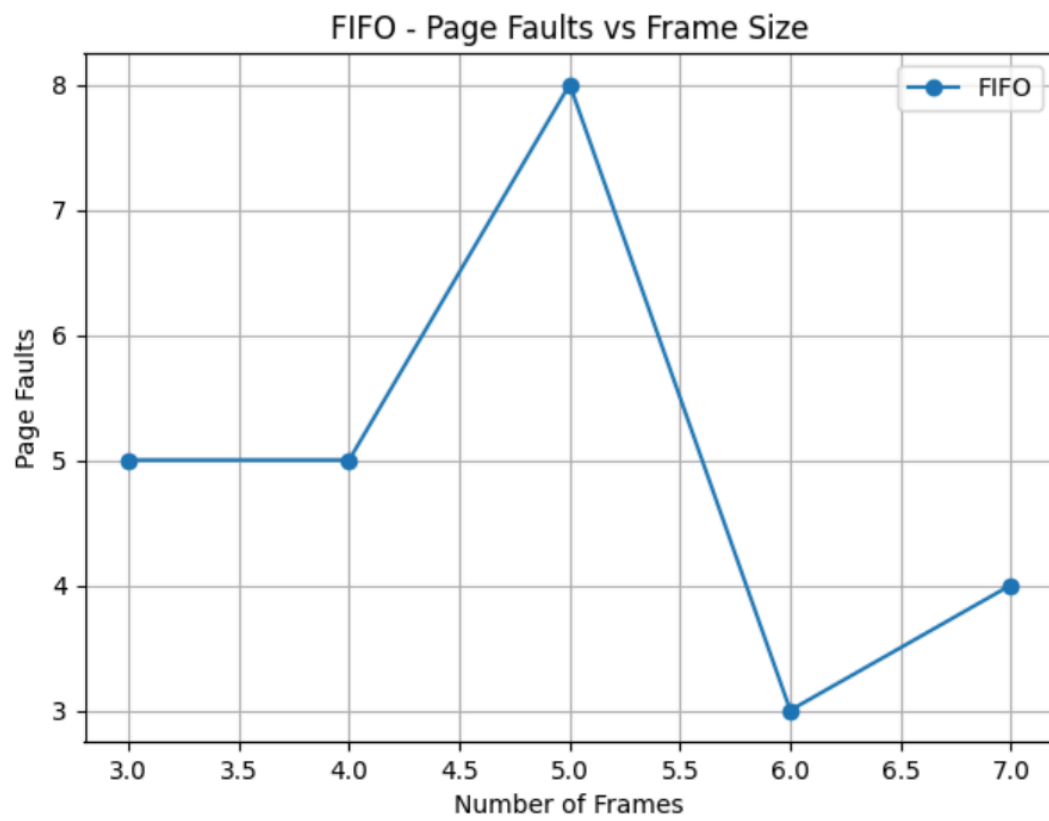


Fig 5. FIFO Algorithm

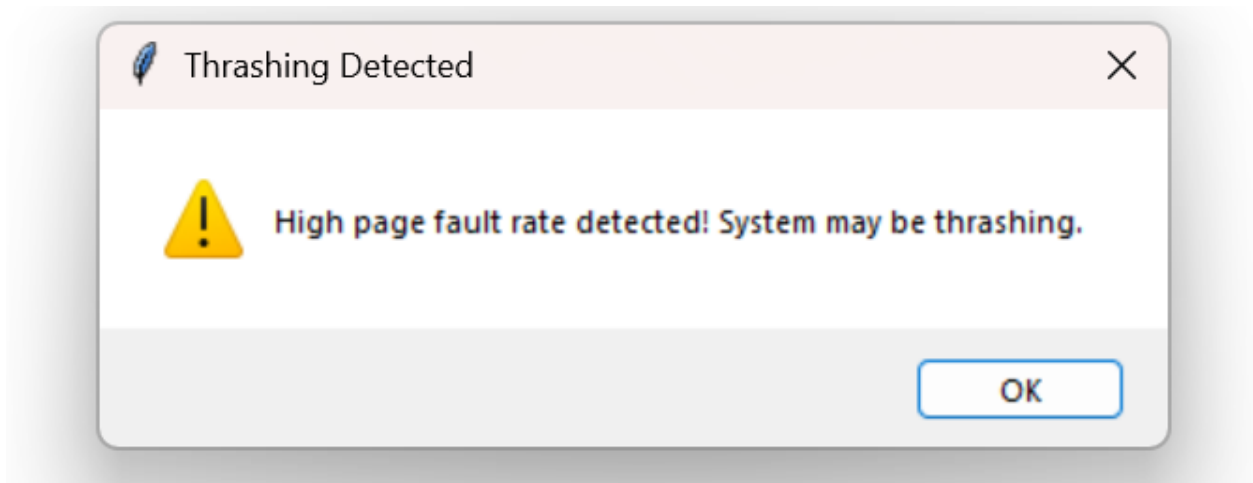


Fig 6. Trashing Detection

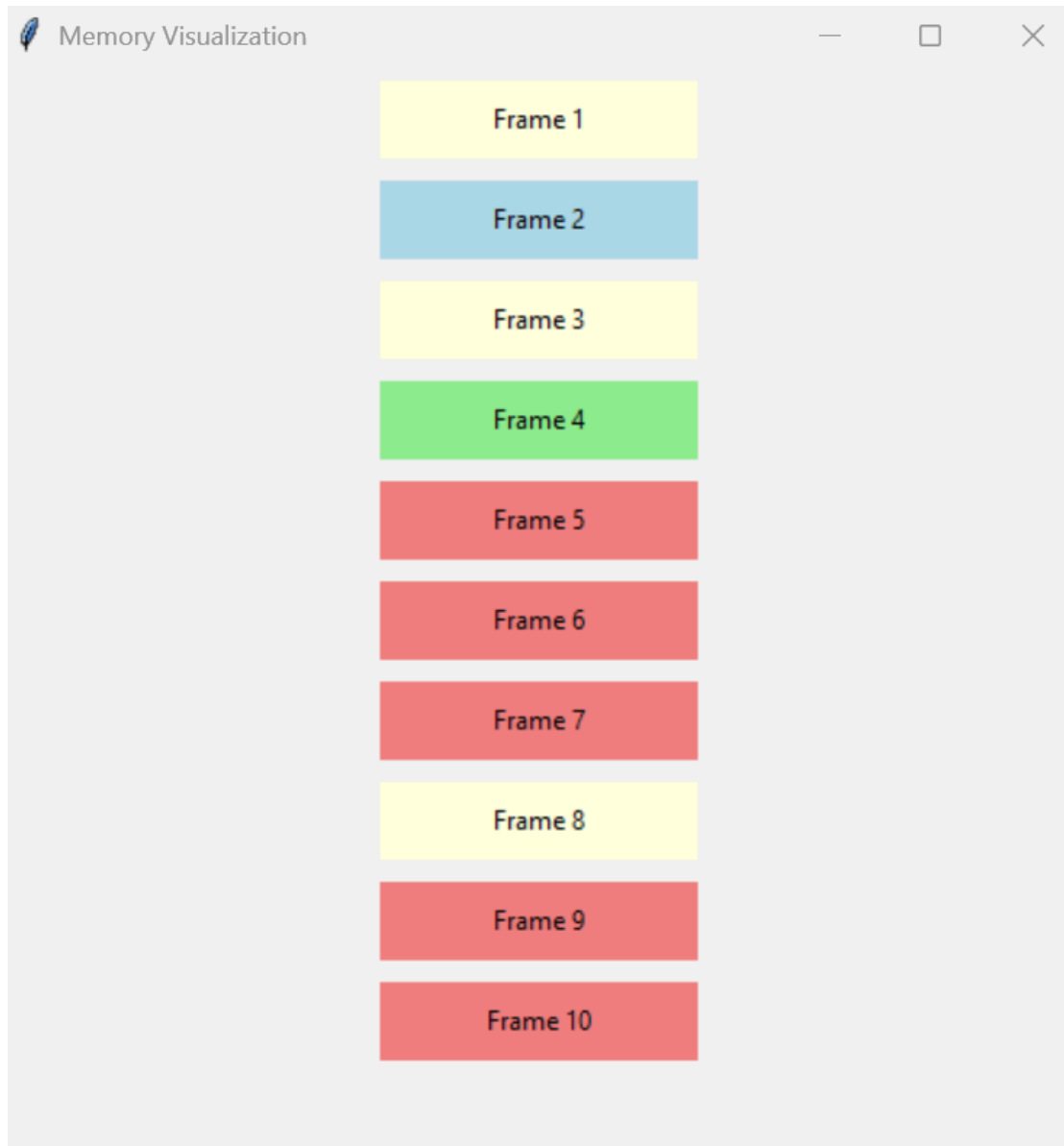


Fig 7. Memory blocks visualization

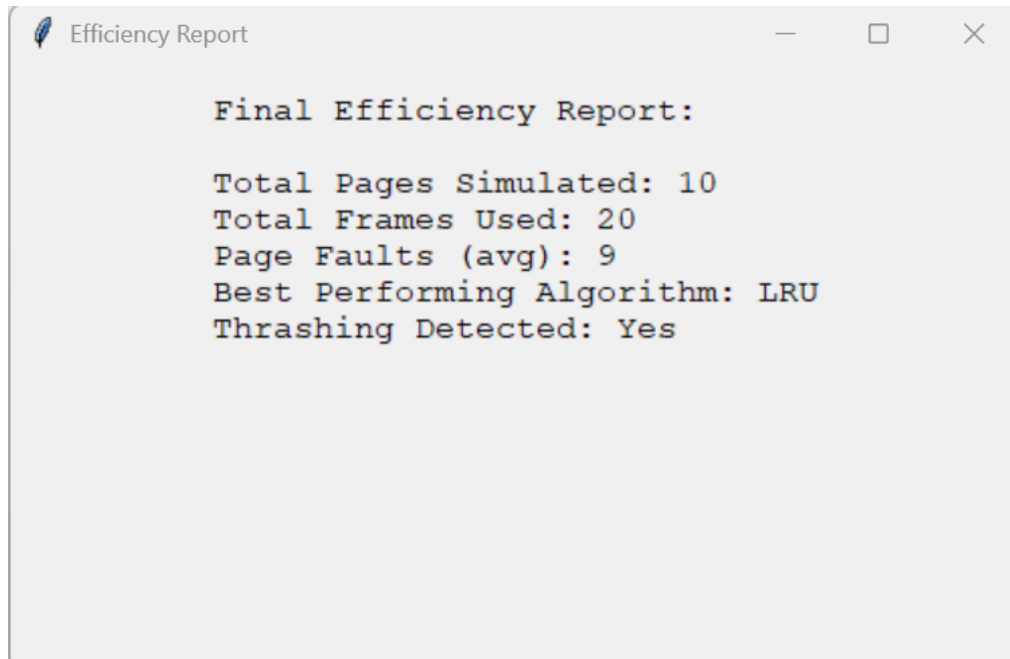


Fig 8. Efficiency Report