



Page Replacement Algorithm  
Simulator

FIFO

BACK

Save as PDF

Save as Image

Timer: 00:03

Page reference: 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

No. of Page frame: 10

18	6	2	14	20	12	20	4	11	13	7	2	19	8	6	14	18	15	4	1	5	10	19	13	16	20	6	13	1	4	
										7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	8	6	6
									13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	20	20	20	20	20
								11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	16	16	16	16	16
							4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	10	10	10	10	10	10
					12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	5	5	5	5	5	5	
				20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	1	1	1	1	1	1		
			14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	16	16	16	16	16	16	16	16	16	16	16	16	16
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	13	13	13

Total Page Faults: 22

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

-

100

+

Restart



Page Replacement Algorithm  
Simulator

LRU

BACK

Save as PDF

Save as Image

Timer: 00:03

Page reference: 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

No. of Page frame: 10

18	6	2	14	20	12	20	4	11	13	7	2	19	8	6	14	18	15	4	1	5	10	19	13	16	20	8	13	1	4			
										7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10		
									13	13	13	13	13	13	13	13	13	13	13	5	5	5	5	5	5	5	5	5	5	5		
								11	11	11	11	11	11	11	11	11	11	11	1	1	1	1	1	1	1	1	1	1	1	1		
								4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
								12	12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16	16	16	16	16		
								20	20	20	20	20	20	20	20	20	20	20	15	15	15	15	15	15	15	15	15	15	15	15		
								14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	20	20	20	20		
								2	2	2	2	2	2	2	2	2	2	2	2	2	2	13	13	13	13	13	13	13	13	13	13	13
								6	6	6	6	6	6	6	6	6	6	6	6	6	16	16	16	16	16	16	16	16	16	16	16	
								18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19		
Miss	Miss	Miss	Miss	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss																					

Total Page Faults: 21

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

-

100

+

Restart



Page Replacement Algorithm  
Simulator

OPT

BACK

Save as PDF

Save as Image

Timer: 00:03

Page reference: 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

No. of Page frame: 10

18	6	2	14	20	12	20	4	11	13	7	2	19	8	6	14	18	15	4	1	5	10	19	13	16	20	8	13	1	4				
										7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
										13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13			
										11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
										4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
										12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
										20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
										14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
										2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
										6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
										18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
Miss	Miss	Miss	Miss	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss	Miss																	

Total Page Faults: 17

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

-

100

+

Restart

## Second Chance

[BACK](#)
[Save as PDF](#)
[Save as Image](#)
**Timer: 00:03**

**Page reference:** 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

**No. of Page frame: 10**

18	8	2	14	20	12	20	4	11	13	7	2	19	6	6	14	18	15	4	1	5	10	19	13	16	20	8	13	1	4					
										7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	20	20	20	20	20					
									13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	8	8	8	8	8				
								11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10			
								4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	16	16	16	16	16	16				
								12	12	12	12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16	16	16	16			
								20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5		
								14	14	14	14	14	14	14	14	14	14	14	14	14	14	1	1	1	1	1	1	1	1	1	1	1		
								2	2	2	2	2	2	2	2	2	2	2	2	2	2	15	15	15	15	15	15	15	15	15	15	15		
								6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
								18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	4	
Miss	Miss	Miss	Miss	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss	Miss	Hit	Miss	Miss	Hit	Miss	Miss	Miss	Hit	Miss	Miss	Hit	Miss	Miss					

**Total Page Faults: 22**

[FIFO](#) [LRU](#) [OPT](#) [Second Chance](#) [Enhanced Second Chance](#) [LFU](#) [MFU](#)

- 100 +

Restart

## Enhanced Second Chance

[Save as PDF](#)[Save as Image](#)[BACK](#)

Timer: 00:03

**Page reference:** 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

**No. of Page frame:** 10

**Total Page Faults:** 0

[FIFO](#) [LRU](#) [OPT](#) [Second Chance](#) [Enhanced Second Chance](#)

[LFU](#) [MFU](#)



100

[Restart](#)



Page Replacement Algorithm  
Simulator

LFU

BACK

Save as PDF

Save as Image

Timer: 00:03

Page reference: 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

No. of Page frame: 10

18	6	2	14	20	12	20	4	11	13	7	2	19	8	6	14	18	15	4	1	5	10	19	13	16	20	8	13	1	4						
										7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	1	1					
									13	13	13	13	13	13	13	13	13	13	1	1	1	1	1	1	1	1	1	8	8	8	8				
								11	11	11	11	11	11	11	11	11	11	11	4	4	4	4	4	4	4	4	16	16	16	16	16	16			
								4	4	4	4	4	4	4	4	4	4	4	15	15	15	15	15	15	15	13	13	13	13	13	13				
								12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	19	19	19	19	19	19	19	19	19	19	19		
								20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
								14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		
								2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
								6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
								18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	10	10	10	10	10	10	10	10	10	10	4		

Total Page Faults: 24

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

-

100

+

Restart



Page Replacement Algorithm  
Simulator

MFU

BACK

Save as PDF

Save as Image

Timer: 00:03

Page reference: 18, 8, 2, 14, 20, 12, 20, 4, 11, 13, 7, 2, 19, 6, 6, 14, 16, 15, 4, 1, 5, 10, 19, 13,  
18, 20, 8, 13, 1, 4

No. of Page frame: 10

18	6	2	14	20	12	20	4	11	13	7	2	19	8	6	14	18	15	4	1	5	10	19	13	16	20	6	13	1	4
										7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
									13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
								11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
								4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
								12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
								20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
								14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
								2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
								6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
								18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	

Total Page Faults: 22

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

-

100

+

Restart