



Page Replacement Algorithm
Simulator

FIFO

BACK

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Timer: 00:31

Page reference: 3, 11, 12, 3, 10, 0, 19, 16, 7, 11, 7, 0, 10, 17, 10, 17, 20, 9, 11, 10, 17, 14, 20,
17, 5, 5, 14, 13, 18, 2, 10

No. of Page frame: 7

3	11	12	3	10	0	19	16	7	11	7	0	10	17	10	17	20	9	11	10	17	14	20	17	5	5	14	13	16	2	10
							16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	14
							19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	10	10	10	10	10	10	10	10	10
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	
				10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	2		
		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	18	18		
	11	11	11	11	11	11	11	11	11	11	11	11	11	11	17	17	17	17	17	17	17	17	17	17	17	13	13	13		
3	3	3	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5		

Total Page Faults: 18

FIFO LRU OPT Second Chance Enhanced Second Chance LFU MFU

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Restart



Swappify

Page Replacement Algorithm Simulator

LRU

BACK

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Timer: 00:31

Page reference: 3, 11, 12, 3, 10, 0, 19, 16, 7, 11, 7, 0, 10, 17, 10, 17, 20, 9, 11, 10, 17, 14, 20, 17, 5, 5, 14, 13, 18, 2, 10

No. of Page frame: 7

Total Page Faults: 18

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Swappify

Page Replacement Algorithm Simulator

OPT

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Page reference: 3, 11, 12, 3, 10, 0, 19, 16, 7, 11, 7, 0, 10, 17, 10, 17, 20, 9, 11, 10, 17, 14, 20, 17, 5, 5, 14, 13, 18, 2, 10

No. of Page frame: 7

Total Page Faults: 16

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Restart

Second Chance

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Timer: 00:31

Page reference: 3, 11, 12, 3, 10, 0, 19, 16, 7, 11, 7, 0, 10, 17, 10, 17, 20, 9, 11, 10, 17, 14, 20,
17, 5, 5, 14, 13, 18, 2, 10

No. of Page frame: 7

3	11	12	3	10	0	19	16	7	11	7	0	10	17	10	17	20	9	11	10	17	14	20	17	5	5	14	13	16	2	10
							16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	
							19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	
				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
			12	12	12	12	12	12	12	12	12	12	12	12	12	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
	11	11	11	11	11	11	11	7	7	7	7	11	11	11	11	11	11	11	11	11	11	7	7	7	7	7	13	13	13	
3	3	3	3	3	3	3	3	3	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	16	16	16	

Miss Miss Miss Hit Miss Miss Miss Miss Hit Hit Hit Miss Hit Hit Miss Hit Hit Miss Hit Hit Miss Miss Hit Hit Miss Miss Hit

Total Page Faults: 18

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Enhanced Second Chance

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Page reference: 3, 11, 12, 3, 10, 0, 19, 16, 7, 11, 7, 0, 10, 17, 10, 17, 20, 9, 11, 10, 17, 14, 20,
17, 5, 5, 14, 13, 18, 2, 10

No. of Page frame: 7

3 M	11	12	3 M	10 M	0 M	19 M	16 M	7 M	11	7 M	0 M	10 M	17	10 M	17	20 M	9	11	10 M	17	14	20 M	17	5 M	5 M	14	13 M	16 M	2	10 M					
									16	16	16	16	16	16	16	16	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
									19	19	19	19	19	19	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	13	13	13	13
									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
									10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2	10
									12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	14	14	5	5	5	5	5	5	5	5
									11	11	11	11	11	11	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	16	16	16
Miss	Miss	Miss	Hit	Miss	Miss	Miss	Miss	Miss	Miss	Hit	Hit	Hit	Hit	Hit	Hit	Miss	Miss	Miss	Hit	Hit	Hit	Hit	Hit	Miss											

Total Page Faults: 20
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No. of Page frame: 7

3	11	12	3	10	0	19	16	7	11	7	0	10	17	10	17	20	9	11	10	17	14	20	17	5	5	14	13	16	2	10	
							16	16	16	16	16	16	16	16	16	20	20	11	11	11	11	20	20	20	17	17	17	17	17	2	
							19	19	19	19	19	19	19	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	9	9	9	9	14	14	14	5	5	5	5	5		
11	11	11	11	11	11	11	11	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		

Miss Miss Miss Hit Miss Miss Miss Miss Hit Miss Miss Hit Hit Miss Miss Miss Hit Hit Miss Miss Hit Miss Miss Miss Hit

Total Page Faults: 20

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3	11	12	3	10	0	19	16	7	11	7	0	10	17	10	17	20	9	11	10	17	14	20	17	5	5	14	13	16	2	10
							16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
							19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	14	14	14	14	14	14	14	14	14
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	9	9	9	9	
				10	10	10	10	10	10	10	10	10	10	10	10	20	20	20	20	20	20	20	20	5	5	5	5	5	2	
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3	3	3	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	11	11	11	11	11	11	11	11	11	11	11	11	

Total Page Faults: 19

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