



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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Page Replacement Algorithm Simulator

OPT

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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: 16

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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	14
							19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	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	9	9	9	9	9	5	5	5	5	5
	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	17	17	2
11	11	11	11	11	11	11	7	7	7	7	7	11	11	11	11	11	11	11	11	11	7	7	7	7	7	7	7	13	13	13
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	11	11	16	16	16

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

Total Page Faults: 18
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Page Replacement Algorithm Simulator

Enhanced Second Chance

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No. of Page frame: 7

Total Page Faults: 20

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Enhanced Second Chance

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Page Replacement Algorithm
Simulator

LFU

BACK

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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	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	
		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	17	17	17	17	17	17	17	17	13	
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Total Page Faults: 19

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