

Optimal

	1	2	3	4	2	1	5	6	2	1	2	3	7	6	3	2	1	2	3	6
1	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2	2
3			3	4	4	4	5	6	6	6	6	3	3	3	3	3	3	3	3	3
					*	*			*	*	*				*	*		*	*	

Hit = 9 Fault = 20 - 9 = 11.

FIFO - Frame = 7.

	1	2	3	4	2	1	5	6	2	1	2	3	7	6	3	2	1	2	3	6
1	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2	2
3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5							5	5	5	5	5	5	5	5	5	5	5	5	5	5
6								6	6	6	6	6	6	6	6	6	6	6	6	6
7																				
														7	7	7	7	7	7	7
															*	*	*	*	*	*

hit = 13 Page fault = 20 - 13 = 7.

Frame = 7, ~~LRU~~ LRU

	1	2	3	4	2	1	5	6	2	1	2	3	7	6	3	2	1	2	3	6
1	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2	2
3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5							5	5	5	5	5	5	5	5	5	5	5	5	5	5
6							6	6	6	6	6	6	6	6	6	6	6	6	6	6
7													7	7	7	7	7	7	7	7

hit = 13 Page fault = 20 - 13 = 7

Frame = 7 - Optimal Replacement :-

	1	2	3	4	2	1	5	6	2	1	2	3	7	6	3	2	1	2	3	6
1	1	1	1	1	1	1	1	1	1	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	2	2	2	2	2	2
3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4				4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5							5	5	5	5	5	5	5	5	5	5	5	5	5	5
6							6	6	6	6	6	6	6	6	6	6	6	6	6	6
7													7	7	7	7	7	7	7	7

hit = 13 Page fault = 20 - 13 = 7