

Page Replacement Algorithms

Page replacement algorithms: These are used to select a page for replacement in the demand paging systems. The various page replacement algorithms are

- LRU replacement-Replace the page that has not been used for the longest period of time
- FIFO replacement-Oldest page is replaced
- Optimal replacement-Replace the page that will not be used for the longest period of time

For the following page reference string

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

How many page faults would occur for the following page replacement algorithms, assuming three, four or five frames. All frames are initially empty.

- LRU replacement
- FIFO replacement
- Optimal replacement

For demo goto desktop/oslab demo/ optimal.exe