

Optimal Page Replacement Algorithm

What is Optimal page replacement algorithm?

In optimal page replacement algorithm the pages are loaded into memory block from page queue in such a way that each page while inserting the algorithm checks following conditions.

1. Whether the page which is going to be inserted is already exist in memory block or not, Then skips insertion
2. Whether memory block is empty or not, Then inserts the page in empty memory block, Increments page fault number because page not found.
3. If the above two conditions failed then choose the element from memory block with which the Page queue's element must be replaced which must be distinct in position in page queue than other elements of memory block. If it not found in the page queue at all, Then replace it without considering other elements.