Paging

1:First In First Out Paging

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3 | 5 | 6 | 7 | 9 | 1 | 2 | 2 |
| 0 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 9 | 9 | 9 | 9 |
| 1 |  | 2 | 2 | 2 | 2 | 6 | 6 | 6 | 1 | 1 | 1 |
| 2 |  |  | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 2 | 2 |
| PF | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  |

Page Fault Total: 9

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3 | 5 | 6 | 7 | 9 | 1 | 2 | 2 |
| 0 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 2 | 2 |
| 1 |  | 2 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 7 |
| 2 |  |  | 3 | 3 | 3 | 3 | 3 | 9 | 9 | 9 | 9 |
| 3 |  |  |  |  | 5 | 5 | 5 | 5 | 1 | 1 | 1 |
| PF | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  |

PAGE FAULT TOTAL: 9

2: Random Paging

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3 | 5 | 6 | 7 | 9 | 1 | 1 | 2 |
| 0 | 1 | 1 | 1 | 1 | 1 | 6 | 7 | 7 | 7 | 2 | 2 |
| 1 |  | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 1 | 1 | 1 |
| 2 |  |  | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| PF | \* | \* | \* |  | \* | \* | \* | \* | \* | \* |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 3 | 5 | 6 | 7 | 9 | 1 | 1 | 2 |
| 0 | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 9 | 9 | 9 | 9 |
| 1 |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 |  |  | 3 | 3 | 3 | 3 | 7 | 7 | 1 | 1 | 1 |
| 3 |  |  |  |  | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| PF | \* | \* | \* |  | \* | \* | \* | \* | \* |  |  |

PAGE FAULT TOTAL: 8

Number of page faults were the same, although they could have potentially been different because of the random aspect of the random paging algorithm.