Computer Operating Systems

Problem #1


Problem #2

Explain the need for page replacement in a page-based virtual memory organization. Differentiate not-recently-used (NRU) and least recently used (LRU) page replacement algorithms. Describe second chance and state which of the two LRU or NRU the second change page replacement algorithm approximates.

Problem #3

Define fragmentation. Differentiate between external and internal fragmentation. From which fragmentation do segment-based and page-based memory allocation suffer? Explain.