

Homework: various questions from the OSC-J textbook (Due 4PM on 5/4/7)

Process Scheduling. 5.2, 5.4, 5.5, 5.7

Memory Allocation. 8.3

Paging. 8.9, 9.4, 9.10, and modified version of problem 10.11 from the 6th edition, which is:

OSC-J 6th edition, problem 10.11, modified by Dave: Consider the page reference string:

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

For each policy and number of frames listed below, circle each reference that produces a page fault. would occur for the LRU, FIFO, and OPT policies, with 2, 6, or 7 frames? Remember that all frames are initially empty, so all of your first unique pages will cost one fault each.

Policy	# frames	Reference string (circle each page fault)
FIFO	2	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
FIFO	6	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
FIFO	7	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
LRU	2	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
LRU	6	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
LRU	7	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
OPT	2	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
OPT	6	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6
OPT	7	1 2 3 4 2 1 5 6 2 1 2 3 7 6 3 2 1 2 3 6

Disk Scheduling. 12.2, 12.8