Homework #3

Due in class on Friday 30 November 2001

1. (Exercise 9.6 from OSC 6th edition, 8.6 in 5th edition) Consider a system where a program…

2. Consider the following page reference string: d c b a d c e d c b a e. If there are 3 frames in physical memory, how many pages faults will occur for (a) FIFO replacement, and (b) LRU replacement. Draw a diagram for each to show your work.

3. (Exercise 11,4 from OSC 6th edition, 10.4 in 5th edition) Similarly, some systems support…

4. Compare a file system that supports indexed allocation to a file system that supports contiguous allocation, in terms of performance.

5. (Exercise 14.10(a) from OSC 6th edition, 13.10(a) in 5th edition) Requests are not uniformly… Would any of the scheduling algorithms discussed…