CS 4/53201 **Operating Systems**

Homework #3

Due in class on Friday 22 November 2002

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1. (Exercise 8.3 from OSC) People have said that proper spooling…

2. Consider the following page reference string: b c b a e b d e c b e b. 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 11.9 from OSC 6) Give an example… (but give at least 3 examples for part (a))

4. My numbers for a "typical disk today" in Lecture 31 are somewhat outdated. Go online, find a good disk for about $400, and then find similar specification for that disk. You probably won't find all the numbers reported exactly the same way, but at a minimum I want to know the number of platters, capacity in GB, and some data transfer numbers. Include a URL to document your information. (NOTE: this question counts double.)