

CSE 451
Problem Set #3

Due: 9:00pm, Friday, December 5, 2014

To be done INDIVIDUALLY

Problem numbers refer to OSPP, second edition.

Please remember to put your name on your answer sheet.

1. Chapter 9, Problem 9. Unlike the similar question on the previous problem set, the paging disk is entirely used for demand paged virtual memory (the swap disk in OS/161).
2. Chapter 9, Problem 15
3. The disk hardware specification listed in Figure 12.3 does not list the number of tracks on the disk. However, it is possible to estimate the number from the information provided.
 - a) Explain why the number of tracks is NOT simply the maximum seek time / minimum seek time.
 - b) Estimate the number of tracks on the disk to within a factor of two. You should assume that the disk reads only one track at a time.
4. Chapter 13, Problem 11
5. Chapter 14, Problem 6