

CPSC 313, Winter 2006 - Term 2

Problem Set #8

Assigned: March 26, Due: Sunday, April 1, 11:59PM

You will hand in all of your solutions to this problem set on paper.

1. What is SRAM? Where do you typically find it? What is good about it? What is bad about it?
2. What is DRAM? Where do you typically find it? What is good about it? What is bad about it?
3. One reason for the cache-memory hierarchy is indicated by questions 1 and 2; what is it? What is the other reason?
4. What is spatial locality? Give an example. How does its presence simplify caching? What caching techniques exploit spatial locality?
5. What is temporal locality? Give an example. How does its presence simplify caching?
6. Textbook 6.21
7. Textbook 6.22
8. Textbook 6.25
9. Textbook 6.26
10. Textbook 6.27