

COT 4810: Topics in Computer Science

Spring 2004

Homework 2- Due 2/6/04

1. How many comparisons will be made using the algorithm with the following data?
Search String: the
Main String : the dog chased the cat
2. Name and describe one of the branch prediction methods used by the PowerPC 970 chip (G5)?
3. Give 3 examples of AspectJ join points
4. What is the difference between symmetric and asymmetric cryptography?
5. What is Computer forensics? Give an example.
6. What are the two factors that affect the speedup due to parallelism according to Amdahl's law?
7. Using the Sieve of Eratosthenes algorithm, give an example of how to compute the primes numbers up to 31.