

Problem Set 1
CPSC 311 Analysis of Algorithms
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The assignment is due next Wednesday, 09/07/2005, before class.

Solve the following exercises from the lecture notes on Asymptotics:

- 1) Exercise 6
- 2) Exercise 9
- 3) Exercise 10
- 4) Exercise 16
- 5) Exercise 17 (take all examples from books or recent papers in computer science; do not merely cite but include the statements of the papers or books)

The answers should be typed in LaTeX or should be neatly written.

- 6) Read the lecture notes on Asymptotics and Chapter 3 in our textbook until Monday. Be aware of the difference in the definition of the Big Oh notation. Learn the concepts Big Omega, Big Theta, little oh notation on your own.