CS 122a Fall 2010, HW 1 Due Friday October 1

Read the text through the proof of 1.6, ending on page 9. Then do problems 1,2 and 4 starting on page 22. Do not use the internet or other books to look for solutions to these problems. Just use the material in the book and your own abilities. Unless stated otherwise, homeworks are to be done individually.

Do problem 3 on page 67.

Prove by induction that $\sum_{i=1}^{n} 3^i = \frac{3^{n+1}-3}{2}$.