

# CS180 Homework 1

Due: 8:00pm, 1/18/2018

Problems 2, 3, 7, 8 from Chapter 2 in Algorithm Design.

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- ★ Homework assignments are due on the exact time indicated. Please submit your homework using the Gradescope system. Email attachments or other electronic delivery methods are not acceptable. Make sure you start each problem on a new page. Do not submit pictures of your homework.
- ★ We recommend to use  $\text{\LaTeX}$ ,  $\text{\LyX}$  or other word processing software for submitting the homework. This is **NOT** a requirement but it helps us to grade the homework and give feedback. For grading, we will take into account both the correctness and the clarity. Your answer are supposed to be in a simple and understandable manner. Sloppy answers are expected to receive fewer points.
- ★ Unless specified, you should justify your algorithm the correctness and time complexity.