# CS 3824
# Homework Assignment 2

**Given:** September 8, 2014 **Due:** September 27, 2014

**General directions.** The point value of each problem is shown in [ ]. Each solution must include all details and an explanation of why the given solution is correct. In particular, write complete sentences. A correct answer without an explanation is worth no credit. The completed assignment must be turned in as a PDF through Scholar by 5:00 PM on September 27, 2014. **No late homework will be accepted.**

**Digital preparation of your solutions is mandatory.** Use of LATEX is optional, but encouraged. No matter how you prepare your homework, **please include your name.**

**Use of LATEX (optional, but encouraged).**

- Retrieve this LATEX source file, named `homework2.tex`, from the course web site.

- Rename the file *<Your VT PID>*`_solvehw2.tex`, For example, for the instructor, the file name would be `heath_solvehw2.tex`.

- Use a **text editor** (such as `vi`, `emacs`, or `pico`) to accomplish the next three steps.

- Uncomment the line

  `% \setboolean{solutions}{True}`

  in the document preamble by deleting the `%`.

- Find the line

  `\renewcommand{\author}{Lenwood S. Heath}`

  and replace the instructor's name with your name.

- Enter your solutions where you find the LATEX comments

  `% PUT YOUR SOLUTION HERE`

- Convert your solutions to PDF and submit your solutions through Scholar by 5:00 PM on September 27, 2014.

**[50] 1. Jones and Pevzner problem 5.4.**

You should use the algorithm IMPROVEDBREAKPOINTREVERSALSORT instead of BREAKPOINTREVERSALSORT.

———————————————————————————————————————

———————————————————————————————————————

**[50] 2. Jones and Pevzner problem 5.11.**

Explain the reasoning behind your answers.

———————————————————————————————————————

———————————————————————————————————————