CS340 Analysis of Algorithms
Fall 2025

Homework:	**1**		**Professor:**	**Elizabeth Dinella**
Due Date:	**9/15/25**		**E-mail:**	`edinella@cs.brynmawr.edu`
Office:	**Park 205**		**URL:**	`https://bmc-cs-340.github.io`

You should give formal proofs if at all possible, or at the minimum, give strong arguments. Rigorous proofs can be difficult to write and digest in the beginning, so you are encouraged to use intuition and give examples/illustrations whenever appropriate.

Consult the `algorithm write-up guidelines` on the course website before proceeding.

1. Problem 1.4. Problem 1.4 (Chapter 1, exercise 4 of your textbook) should have a full Algorithm Write-up according to the guidelines on the website.

2. Problem 1.8.

This homework is shorter than future homeworks will be - please use the extra time to try to do a really good job with the write-up. **Please hand in your assignment electronically on Gradescope.**