

## CSCI 332, Fall 2025

### Homework 9

Due Monday, November 17 Anywhere on Earth (6am Tuesday)

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#### Submission Requirements

- Type or clearly hand-write your solutions into a PDF format so that they are legible and professional. Submit your PDF on Gradescope.
- Do not submit your first draft. Type or clearly re-write your solutions for your final submission. If your submission is not legible, we will ask you to resubmit.
- Use Gradescope to assign problems to the correct page(s) in your solution. If you do not do this correctly, we will ask you to resubmit.

#### Academic Integrity

Remember, you may access **any** resource in preparing your solution to the homework. However, you **must**

- write your solutions in your own words, and
- credit every resource you use (for example: “Bob Smith helped me on this problem. He took this course at UM in Fall 2020”; “I found a solution to a problem similar to this one in the lecture notes for a different course, found at this link: [www.profzeno.com/agreatclass/lecture10](http://www.profzeno.com/agreatclass/lecture10)”; “I asked ChatGPT how to solve part (c)”; “I put my solution for part (c) into ChatGPT to check that it was correct and it caught a missing case.”) If you use the provided LaTeX template, you can use the `sources` environment for this. Ask if you need help!

1. (4 points) Implement the max points on grass learn dynamic programming algorithm you developed in the PL part of this assignment in the programming language of your choice. For full credit, you should:
  - Provide your source code.
  - Run your program on at least two different inputs and show the output of your program on those inputs.
  - Have your program print the full dynamic programming table it builds.
  - Have your program print the optimal solution it finds.
2. (1 point) What outside resources did you use to help with this assignment?