CSCI 332, Fall 2025

In-class Activity

Work through the PrairieLearn for this week. As you go, also answer the following, **and turn it in at the end of class for 5 free, extra points on Friday's quiz.**

1. After you have completed *Minimize Time on GrassLearn: Recursive Definition* , answer the following.

   (a) *In English*, what does your recursive definition for choice 1 (skip question j) mean? Fill in the blanks.

   > If we skip question j, then the minimum minutes needed to earn i points using questions j through n is equal to the minimum minutes needed to earn _____ points using questions _____ through _____.

   (b) *In English*, what does your recursive definition for choice 2 (answer question j correctly) mean? You write this one yourself.

   > If we answer question j correctly,

2. After you have compleeted *Minimize Time on Grasslearn: Evaluation Order* , answer the following.

   (a) On the back of this page, draw an example of the dynamic programming table you would fill in to solve the problem. Include base cases and label the axes.

   (b) How did you think through the evaluation order (inner and outer for loops)?