Analysis of Algorithms  
CS 375, Spring 2019  
Homework 11  
Due AT THE BEGINNING OF CLASS Wednesday, April 10

- From your textbook (CLRS), please read Chapters 22.3–22.4.
- Exercises on this problem set are adapted from exercises in our recommended Levitin textbook.
- A general note: When writing up your homework, please write neatly and explain your answers clearly, giving all details needed to make your answers easy to understand. Graders may not award credit to incomplete or illegible solutions. Clear communication is the point, on every assignment.

Exercises

1. CLRS 22.4-1 (pg. 614).

2. A pair of rabbits, one male and one female, is placed in a large sealed enclosure. How many pairs of rabbits will be there in a year if the initial pair are newborn and all rabbit pairs are not fertile during their first month of life but thereafter give birth to one new male / female pair at the end of every month?

As always, please explain your answer; here, a short explanation (3–4 sentences or so) could suffice, as long as it contains the ideas underlying the solution.