Illinois Institute of Technology
Department of Computer Science

Homework Assignment 6

CS 430 Introduction to Algorithms
Fall Semester, 2014

Due: Wednesday, November 5

1. Exercise 21.3-3 on page 572 of CLRS3.

2. Prove that $A_3(j) > \text{tower}(j)$, where

$$\text{tower}(n) = \begin{cases} 2^{\text{tower}(n-1)} & \text{if } n > 0, \\ 1 & \text{if } n = 0. \end{cases}$$