

Homework Assignment 6

CS 430 Introduction to Algorithms
Spring Semester, 2017

Due: Monday, March 27

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

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

2. Exercise 19.3-1 on page 522
3. Problem 19-3 on page 529