Math 184A Homework 3 May 4, 2019

Name: _____

Pid: _____

1. Find a recursive formula for the number $t(n)$ of permutations of $[n]$ whose cube is the identity permutation.

2. Find an explicit formula for the sequence $\{a_n\}_{n\geq 0}$, where $a_{n+2} = a_{n+1} + a_n$, $a_0 = 1$ and $a_1 = 3$.