

ECE 526 Distributed Algorithms
Fall 2016
Homework 3

Due by 10 p.m., October 12, 2016

Type your answers. Submit via Compass2g.

Total points: 20

1. (10 points) Prove that the algorithm in Section 6.2.1.1 of the textbook for finding a maximal cut is correct.
2. (10 points) Prove that linearizability is *local*, that is, if we compose separate implementations of linearizable shared variables x and y , the result is linearizable.