California State University San Bernardino
School of Computer Science and Engineering

CSE 595 Undergraduate Independent Study

Date

October 1, 2019

Time

12:00PM

Location

Contact Monica

Title

Algorithm to Prove Caro-Wei Theorem

Student

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Advisor

Dr Owen Murphy

Abstract

The Caro-Wei Theorem provides a lower bound for the independence number of a graph. A proof for this theorem is typically probabilistic but will be proven using a greedy algorithm.