

1 Introduction

Welcome to CSM 70! I will try to do writeups like this every week. It is week 2, because last week was drop-in sections and that was week 1. I will most likely just write down what we went over. The goal is to mention everything we went over and hopefully you can find the corresponding theorems in the notes.

2 Graph Definitions

Check the following definitions in the notes: **Vertices**, **Edges**, **Degree**, **Graph**. Also check the definitions for **Eulerian Tour**. From the worksheet $V = \{0,1\}^{n-1}$ is the set of all $n - 1$ bit strings.

3 Non-Planar Graphs

Video on K_{33} and K_5 <https://youtu.be/xBkTIp6ajAg>

4 Trees

What makes trees a special kind of graph?

5 Hypercubes