Combinatorial Optimization

Disclaimer

This contains lessons from Mr. Berrachedi, with contents that are either added, changed or rearranged, written by HADIOUCHE Azouaou.

Chapter 1

Introduction

Optimization in general is the process of finding minimum or maximum of numerical functions, i.e. functions $f : E \to \mathbb{R}$ where E is a set. In the case of combinatorial optimization, we consider the set to be discrete, that is, we take the sets to be finite or countable.

The notations and the terminology all comes from the continuous optimization course, here is a simple terminology remainder

> **Note**: *The terminology will be added when needed.*

Term	Definition