

# *Induction Project*

Discrete I

Fall 2015

## **Learning Objectives**

- Develop a deeper understanding of induction.
- Analyze a peer's induction argument.
- Develop experience working with math on a computer.

## **Project Description**

In this project you will choose an induction problem and create an argument that effectively communicates how the induction process works. Explain everything you do in detail: somebody that has not seen induction in 5 years and only vaguely remembers what it is should be able to follow your argument.

- The problem can be any problem of the "equality" or "inequality" type.
- It cannot be a problem that has been done in class, on a quiz, or on a test.
- All three drafts must be typed.
- You may work in groups (max 4 people) or alone.

## **Timetable**

- Draft 1 due Monday October 5<sup>th</sup>. (Receive feedback from the instructor on the 7<sup>th</sup>)
- Draft 2 due Monday October 12<sup>th</sup>.
- Peer review on Monday October 12<sup>th</sup>, during class.
- Final draft due on Friday October 16<sup>th</sup>.

## **Assessment**

- 10% - Draft 1
- 20% - Feedback Provided on Peer Review
- 70% - Final Draft