

# Homework 3: Structural and Behavioral Design Patterns

Samanjate Sood

February 18, 2018

## **3. Create an Abstract Syntax Tree**

### **(b)-(b) Adapter Design Pattern**

The main benefit for using this design pattern is that we can make two incompatible modules work together which helps us to reduce code duplication. In this problem we needed to use make use of the Bit-Vector module already implemented and having similar functions to our Node Set module. We only needed to have a Integer representation of AST to be able to res-use Bit-Vectors.