

## First Computer Assignment

Write a program that tests whether two logical expressions are logically equivalent. You should be able to input two expressions of the form “p & q” (meaning p and q); “p | q” (meaning p or q); and “p -> q” (meaning p implies q). In addition, you should be able to input the negation of p or q, such as “!q -> !p” (meaning (not q) implies (not p)). Your output should be either “yes they are equivalent” or “no they are not equivalent”. You do not need to output the truth tables.

Some programming hints:

1. Call your class Truthtable.
2. There should be at least one space between operands (such as p or !q) and operators (such as & or ->). The only exception is the ! sign should be adjacent to its operand.

This project should be emailed to me no later than Wednesday February 13 at 5 PM.