CS 193 EC – Assignment for CS 182

yourName

July 2020

1   Logical Equivalences

Show that $\neg\,(p \rightarrow q) \equiv p \wedge \neg q$ using a truth table

p	q	$\neg p$	$p \rightarrow q$	$\neg(p \rightarrow q)$	$p \wedge \neg q$
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

2   Notes

One of the things I (Cindy) really enjoyed about CS 182 is that the course isn't entirely technical based or programming specific. CS 182 teaches you how to think logically using deduction and mathematical induction. I hope you enjoy this course as much as I did, and as always, please reach out to your TAs and/or professors as early as possible. Best of luck to your second semester!