

# Assignment #3, CSE 191

Fall, 2014

## General Guidelines:

This assignment will NOT be collected, nor graded. However, you should carefully complete it as if it were to be graded. There will be a quiz based on this assignment (with very similar problems) during the week Sep 22 - 26.

The detailed solutions will be posted next Friday (Sep 19).

1. (0 points), Page 53, Prob 14.
2. (0 points), Page 78, Prob 4: (a), (b), (c), (d).
3. (0 points), Page 78, Prob 6.
4. (0 points), Page 78, Prom 9 (a). For the premises given, provide a valid argument for the conclusion: "It rained on Thursday".
5. (0 points) Page 78, Prom 9 (b). For the premises given, provide a valid argument for the conclusion: "I did not eat spicy food and it did not thunder".
6. (0 points). Given the premises:

$$(p \wedge t) \rightarrow (r \vee s), q \rightarrow (u \wedge t), u \rightarrow p, \neg s, q$$

Show a valid argument for the conclusion  $r$  by using rules of inferences.

7. (0 points). Page 79, Prob 16, (a), (b), (c), (d).
8. (0 points). Page 80, Prob 30.