Homework 2

(CS 1101) Discrete Structures 1

SECTION 1.1 Propositional Logic:

- 1. Page 13
- 12. Page 14
- 13. Page 14
- 14. Page 14
- 19. Page 15
- 26. Page 15
- 33. Page 16
- 36. Page 16
- 37. Page 16

SECTION 1.2 Applications of Propositional Logic

- 45. Page 26
- 47. Page 26

SECTION 1.3 Propositional Equivalences

- 2. Page 38
- 7. Page 38
- 12. Page 38
- 14. Page 38
- 24. Page 38
- 30. Page 38
- 34. Page 38

SECTION 1.4 Predicates and Quantifiers:

- 6. Page 56
- 8. Page 56
- 10. Page 57
- 14. Page 57
- 21. Page 57
- 26. Page 58
- 35. Page 58

SECTION 1.5 Nested Quantifiers:

28. Page 71

SECTION 1.6 Rules of Inference:

- 3. Page 82
- 5. Page 82
- 6. Page 82
- 9. Page 82