CS 511 Homework Assignment 04

Shahin Roozkhosh

TOTAL POINTS

20 / 24

QUESTION 1

1 Problem 1 4 / 4

✓ + 1 pts 1.1 proof from φ -> ψ is correct

✓ + 1 pts 1.1 proof from ψ -> φ is correct

✓ + 1 pts 1.2 proof from φ -> ψ is correct

✓ + 1 pts 1.2 proof from ψ -> φ is correct

+ 0 pts Omitted or Incorrect

QUESTION 2

2 Problem 2 0 / 4

+ 1 pts θa is in high level correct

+ 1 pts θa is in most detail level correct

+ 1 pts θb is in high level correct

+ 1 pts θb is in most detail level correct

✓ + 0 pts Omitted or Incorrect

QUESTION 3

3 Problem 3 4 / 4

✓ + 1 pts Predicate logic (a) is correct

✓ + 1 pts Predicate (b) is correct

✓ + 1 pts Predicate (c) is in high level correct

✓ + 1 pts Predicate (c) is in most detail correct

+ 0 pts Omitted or Incorrect

+ 0 pts Click here to replace this description.

QUESTION 4

4 Problem 4 4 / 4

✓ + 1 pts (a) is correct in most details

✓ + 1 pts (b) is correct in most details

✓ + 1 pts (c) is correct in most details

✓ + 1 pts (d) is correct in most details

+ 0 pts Omitted or Incorrect

QUESTION 5

5 Problem 5 4 / 4

✓ + 1 pts Program compiles and runs correctly

✓ + 1 pts Correctly add quantification over variables in predicate

✓ + 1 pts Correctly add implications between predicates

✓ + 1 pts Correctly set the goal.

+ 0 pts Omitted or Incorrect.

QUESTION 6

6 Problem 6 4 / 4

✓ + 1 pts Correctly write the wff for the sentences

✓ + 1 pts Correctly translate the sentence/wff into Prover9 code

✓ + 1 pts The Predicates are strictly written in required signature.

✓ + 1 pts The code is correctly compiles and runs and answers the question.

+ 0 pts incorrect or Omitted.

1 Problem 1 4 / 4

- ✓ + 1 pts 1.1 proof from φ -> ψ is correct
- ✓ + 1 pts 1.1 proof from ψ -> φ is correct
- ✓ + 1 pts 1.2 proof from φ -> ψ is correct
- ✓ + 1 pts 1.2 proof from ψ -> φ is correct
- + 0 pts Omitted or Incorrect

2 Problem 2 0 / 4

+ **1 pts** θa is in high level correct
+ **1 pts** θa is in most detail level correct
+ **1 pts** θb is in high level correct
+ **1 pts** θb is in most detail level correct

✓ **+ 0 pts Omitted or Incorrect**

3 Problem 3 4 / 4

- ✓ **+ 1 pts** Predicate logic (a) is correct
- ✓ **+ 1 pts** Predicate (b) is correct
- ✓ **+ 1 pts** Predicate (c) is in high level correct
- ✓ **+ 1 pts** Predicate (c) is in most detail correct
- **+ 0 pts** Omitted or Incorrect
- **+ 0 pts** Click here to replace this description.

4 Problem 4 4 / 4

- ✓ **+ 1 pts** (a) is correct in most details
- ✓ **+ 1 pts** (b) is correct in most details
- ✓ **+ 1 pts** (c) is correct in most details
- ✓ **+ 1 pts** (d) is correct in most details
- **+ 0 pts** Omitted or Incorrect

5 Problem 5 4 / 4

- ✓ **+ 1 pts** Program compiles and runs correctly
- ✓ **+ 1 pts** Correctly add quantification over variables in predicate
- ✓ **+ 1 pts** Correctly add implications between predicates
- ✓ **+ 1 pts** Correctly set the goal.
- **+ 0 pts** Omitted or Incorrect.

6 Problem 6 **4 / 4**

✓ **+ 1 pts** Correctly write the wff for the sentences

✓ **+ 1 pts** Correctly translate the sentence/wff into Prover9 code

✓ **+ 1 pts** The Predicates are strictly written in required signature.

✓ **+ 1 pts** The code is correctly compiles and runs and answers the question.

+ 0 pts incorrect or Omitted.