CS161 - Quiz 5 Results for ZHANG, CHARLES XIAN

Score for this quiz: **4** out of 4
Submitted Mar 3 at 5:23pm
This attempt took 3 minutes.

Question 1

1 / 1 pts

Any sentence in first-order logic can be expressed without the existential $\exists$ quantifier

Correct!

- (selected) True
- False

Question 2

1 / 1 pts

Which of the following is equivalent to the sentence $\forall x\ \exists y\ Likes\ (x,\ y)$?

Correct!

- (selected) $\neg\exists x \forall y \neg Likes\ (x,\ y)$
- $\neg\exists x\ \neg\forall y\ Likes\ (x,\ y)$
- $\neg\forall x\ \exists y \neg Likes\ (x,\ y)$
- $\exists x \forall y\ Likes\ (x,\ y)$

Question 3

1 / 1 pts

Modus Ponens (MP) is a sound inference rule

Correct!

- (●) True
- ( ) False

Question 4

1 / 1 pts

Resolving $R(F(y)) \vee \neg G(y)$ with $G(A) \vee S(w)$ gives

Correct!

- ( ) $S(F(A)) \vee R(F(A))$
- (●) $S(w) \vee R(F(A))$
- ( ) None of the others
- ( ) $S(y) \vee R(F(A))$
- ( ) $S(A) \vee R(F(A))$

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