

Artificial Intelligence 1

Quiz #10 (inference in first-order logic)

What is lifting and grounding?

Can inference in first-order logic be realized in propositional logic?

What is the role of functional symbols in grounding of a formula?

Is the problem, if two formulas are unifiable, a decidable problem?

How many unifying substitutions exist for a pair of formulas?

What is the property of the most general unifier?

What is occur check?

What is standardization apart?

What is a magic set? How is it used?

Under which condition is forward-chaining a complete method for first-order logic?

What is the role of an answer literal?

Describe pattern matching when used during forward chaining.

How can pattern matching be speeded-up?