Programming Assignment Report

Assignment 07

First-Order Logic Predicates

Solutions

* 1. Cat(Luna) A Cat(Bella) A Cat(Max)
  2. White(Luna)
  3. Black(Bella) A Loves(Bella, Max)
  4. White(Max) V Black(Max)
  5. E x,y, Loves(Cat(x) A White(x)),(Cat(y) A Black(y) ) )

1. 1. InRoom(ColonelMustard, Kitchen) A Used(ColonelMustard, Rope)
   2. CrimeRoom(Ballroom) V CrimeRoom(Library)
   3. E x,r, (Suspect(x) A InRoom(r) A WeaponInRoom(w,r)) 🡪 Used(x,w)