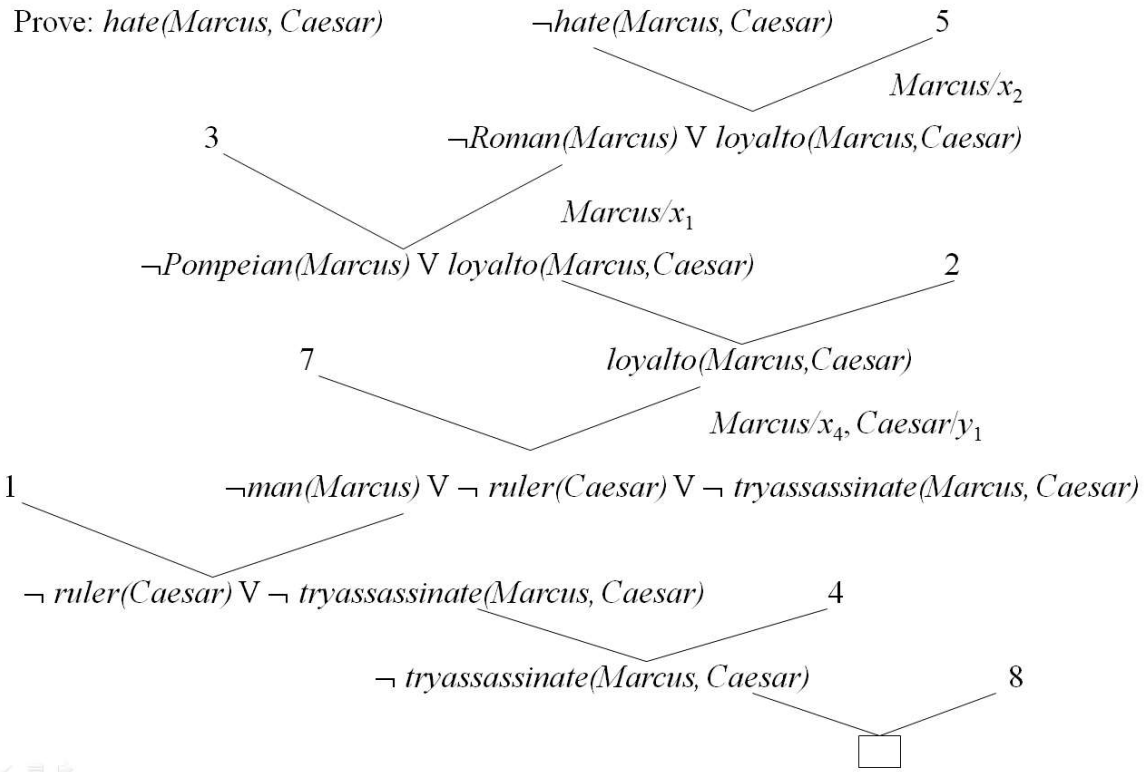
- A Predicate Logic Example
    1. Marcus was a man
        Man(Marcus)
    2. Marcus was a Pompeian
        Pompeian(Marcus)
    3. All Pompeians were Romans
        ∀x: Pompeian(x) → Roman(x)
    4. Caesar was a ruler
        Ruler(Caesar)
    5. All Romans were either loyal to Caesar or hated him
        ∀x: Roman(x) → Loyalto(x, Caesar) ∨ Hate(x, Caesar)
    6. Everyone is loyal to someone
        ∀x: ∃y: Loyalto(x, y)
    7. People only try to assassinate rulers they aren't loyal to
        ∀x: ∀y:Person(x) ∧ Ruler(y) ∧ Tryassassinate(x, y) → ¬Loyalto(x, y)
    8. Marcus tried to assassinate Caesar
        Tryassassinate(Marcus, Caesar)
    9. All men are people
        ∀x: Man(x) → Person(x)

- A Resolution Proof
    1. Man(Marcus)
    2. Pompeian(Marcus)
    3. ¬Pompeian(x1) ∨ Roman(x1)
    4. Ruler(Caesar)
    5. ¬Roman(x2) ∨ Loyalto(x2, Caesar) ∨ Hate(x2, Caesar)
    6. Loyalto(x3, y2)
    7. ¬Man(x4) ∨ ¬Ruler(y1) ∨ ¬Tryassassinate(x4, y1) ∨ ¬Loyalto(x4, y1)
    8. Tryassassinate(Marcus, Caesar)



- A Resolution Proof
    5, 3, 2, 7, 1, 4, 8