

Agatha Murder Puzzle (JProver)Lori2R^{8,37}

Agatha hates Charles & Agatha hates Agatha
& ($\forall p:\text{Person. } \neg p \text{ is richer than Agatha} \Rightarrow \text{The Butler hates } p$)
& ($\forall p:\text{Person. } \text{Agatha hates } p \Rightarrow \neg \text{Charles hates } p$)
& ($\forall p:\text{Person. } \text{Agatha hates } p \Rightarrow \text{The Butler hates } p$)
& ($\forall p:\text{Person. } p \text{ likes Agatha} \vee p \text{ likes The Butler} \vee p \text{ likes Charles}$)
& ($\forall p, q:\text{Person. } p \text{ kills } q \Rightarrow \neg p \text{ is richer than } q$)
& ($\forall p, q:\text{Person. } p \text{ kills } q \Rightarrow p \text{ hates } q$)
 \Rightarrow The Butler did not kill Agatha & Charles did not kill Agatha

ProofTree