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1 question1 Theory

Built: 22 August 2019

Parent Theories: aclDrules

1.1 Datatypes

commands = travel | deny

staff = Jack | Amtrack

1.2 Theorems

[question1Thm]

$\vdash (M, Oi, Os) \text{ sat Name Jack says prop deny}$

2 question2 Theory

Built: 22 August 2019

Parent Theories: aclDrules

2.1 Datatypes

commands = go | nogo

keyPrinc = Staff people | Role roles | Ap num

people = Alice | Bank

principals = PR keyPrinc | Key keyPrinc

roles = Commander | CA

2.2 Theorems

[question2Thm]

$\vdash (M, Oi, Os) \text{ sat Name (PR (Role Commander)) controls prop go} \Rightarrow$
 $(M, Oi, Os) \text{ sat}$
 $\text{reps (Name (PR (Staff Alice))) (Name (PR (Role Commander)))}$
 $(\text{prop go}) \Rightarrow$
 $(M, Oi, Os) \text{ sat}$
 $\text{Name (Key (Staff Alice)) quoting}$

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Name (PR (Role Commander)) says prop go ⇒
(M, Oi, Os) sat prop go impf prop nogo ⇒
(M, Oi, Os) sat
Name (Key (Role CA)) speaks_for Name (PR (Role CA)) ⇒
(M, Oi, Os) sat
Name (Key (Role CA)) says
Name (Key (Staff Alice)) speaks_for Name (PR (Staff Alice)) ⇒
(M, Oi, Os) sat
Name (PR (Role CA)) controls
Name (Key (Staff Alice)) speaks_for Name (PR (Staff Alice)) ⇒
(M, Oi, Os) sat
Name (Key (Staff Bank)) quoting
Name (PR (Role Operator)) says prop nogo

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