Contents

1 example1 Theory

Built: 21 March 2019
Parent Theories: aclDrules

1.1 Datatypes

commands = go | nogo | launch | abort

staff = Alice | Bob | Carol | Dan

1.2 Theorems

[example1Theorem]

⊢ (*M*, *Oi*, *Os*) sat Name Alice says prop go ⇒
(*M*, *Oi*, *Os*) sat Name Alice controls prop go ⇒
(*M*, *Oi*, *Os*) sat prop go

[example1TheoremA]

⊢ (*M*, *Oi*, *Os*) sat Name Alice says prop go ⇒
(*M*, *Oi*, *Os*) sat Name Alice controls prop go ⇒
(*M*, *Oi*, *Os*) sat prop go

[example1TheoremB]

⊢ (*M*, *Oi*, *Os*) sat Name Alice says prop go ⇒
(*M*, *Oi*, *Os*) sat Name Alice controls prop go ⇒
(*M*, *Oi*, *Os*) sat prop go

[example2Theorem]

⊢ (*M*, *Oi*, *Os*) sat Name Alice says prop go ⇒
(*M*, *Oi*, *Os*) sat Name Alice speaks_for Name Bob ⇒
(*M*, *Oi*, *Os*) sat Name Bob controls prop go ⇒
(*M*, *Oi*, *Os*) sat prop go

[example2TheoremA]

⊢ (*M*, *Oi*, *Os*) sat Name Alice says prop go ⇒
(*M*, *Oi*, *Os*) sat Name Alice speaks_for Name Bob ⇒
(*M*, *Oi*, *Os*) sat Name Bob controls prop go ⇒
(*M*, *Oi*, *Os*) sat prop go

[example2TheoremB]

$\vdash$ (M, Oi, Os) sat Name Alice says prop go $\Rightarrow$
(M, Oi, Os) sat Name Alice speaks_for Name Bob $\Rightarrow$
(M, Oi, Os) sat Name Bob controls prop go $\Rightarrow$
(M, Oi, Os) sat prop go

[example3Theorem]

$\vdash$ (M, Oi, Os) sat prop go impf prop launch $\Rightarrow$
(M, Oi, Os) sat prop go $\Rightarrow$
(M, Oi, Os) sat Name Carol says prop launch

[example3TheoremA]

$\vdash$ (M, Oi, Os) sat prop go impf prop launch $\Rightarrow$
(M, Oi, Os) sat prop go $\Rightarrow$
(M, Oi, Os) sat Name Carol says prop launch

[Mono_Reps_Theorem]

$\vdash$ (M, Oi, Os) sat Q controls f $\Rightarrow$
(M, Oi, Os) sat reps P Q f $\Rightarrow$
(M, Oi, Os) sat P' quoting Q' says f $\Rightarrow$
(M, Oi, Os) sat P' speaks_for P $\Rightarrow$
(M, Oi, Os) sat Q' speaks_for Q $\Rightarrow$
(M, Oi, Os) sat f

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