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1 exam3 Theory

Built: 19 March 2020

Parent Theories: cipher, aclDrules

1.1 Datatypes

commands = go | launch

keyPrinc = Staff people | Role roles | Ap num

people = Alice | Bob

principals = PR keyPrinc | Key keyPrinc

roles = Employee | Relay

1.2 Theorems

[RelayRuleLaunch]

```
⊢ (M, Oi, Os) sat Name (PR (Role Employee)) controls prop go ⇒  
  (M, Oi, Os) sat  
    reps (Name (PR (Staff Alice))) (Name (PR (Role Employee)))  
      (prop go) ⇒  
        (M, Oi, Os) sat  
          Name (Key (Staff Alice)) quoting  
            Name (PR (Role Employee)) says prop go ⇒  
              (M, Oi, Os) sat prop go impf prop launch ⇒  
                (M, Oi, Os) sat  
                  Name (Key (Staff Alice)) speaks_for Name (PR (Staff Alice)) ⇒  
                    (M, Oi, Os) sat  
                      Name (Key (Staff Bob)) quoting Name (PR (Role Relay)) says  
                        prop launch
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