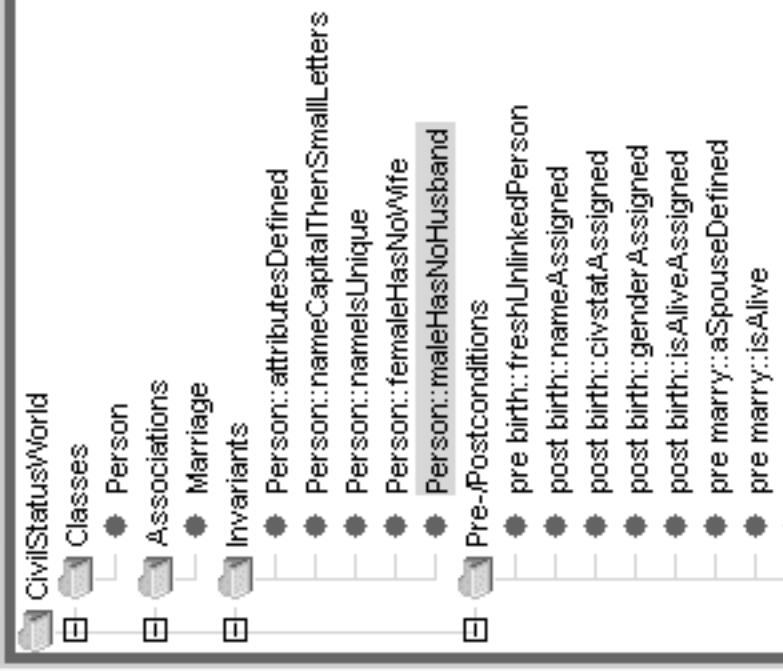


File Edit State View Help

**Object diagram**

Class invariants		Invariant	Result
Person:::attributesDefined		Person:::attributesDefined	true
Person:::femaleHasNoWife		Person:::femaleHasNoWife	false
Person:::maleHasNoHusband		Person:::maleHasNoHusband	n/a
Person:::nameCapitalThenSmallLetters		Person:::nameCapitalThenSmallLetters	true
Person:::namesUnique		Person:::namesUnique	false
Person:::spouseDefined		2 constraints failed.	100%

**Evaluation browser**

Person.allInstances->forAll(self : Person   ((self.gender = #female) implies self.wife.isDefined)) = false
● Person.allInstances = Set(@Person1,@Person2,@Person3,@Person4,@Person5,@Person6,@Person7)
● ((self.gender = #female) implies self.wife.isDefined) = true
● ((self.gender = #female) implies self.wife.isDefined) = true
● ((self.gender = #female) implies self.wife.isDefined) = true
● ((self.gender = #female) implies self.wife.isDefined) = false
□ (self.gender = #female) = true
□ self.gender = #female
● self = @Person4
● #female = #female
□ self.wife.isDefined = false
□ self.wife = @Person2
● self = @Person4

**context Person inw maleHasNoHusband:**  
 ((self.gender = #male) implies  
 self.husband.isDefined)

Log

checking structure...

Multiplicity constraint violation in association 'Marriage'.

Object 'Person2' of class 'Person' is connected to 2 objects of class 'Person'  
 but the multiplicity is specified as '0..1'.  
 checking structure, found errors.

Ready.