**Flight**

Context Flight

inv: self.departure\_date<=self.arrival\_date

Context Flight

inv: self.departure\_city<>self.arrival\_city

**BookFlight**

Context BookFlight

inv: self.AllInstances->ForAll (B1,B2=BookFlight|B1<>B2

Implies B1.booking\_id<> B2.booking\_id)

Context BookFlight

inv: self.departure\_city<>self.arrival\_city

Context BookFlight

inv: self.booking\_id->nonempty implies self.book-through->paymentConfirm()