

context: Trip::add_reservation(client: Client): Reservation

pre clientValid:

client <> null and
client.client_id > 0 and
client.age >= 0

pre tripHasConnection:

self.connection <> null and
self.connection.departure_city <> null and
self.connection.arrival_city <> null and
self.connection.departure_city <> self.connection.arrival_city and
self.connection.train_type <> null and

pre noDuplicateForClient:

self.reservations->forAll(r | r.client <> client)

post reservationCreated:

result <> null and
self.reservations->includes(result)

post reservationProperties:

result.client = client and
result.connection = self.connection and
result.ticket <> null and
result.ticket.client = client and
result.ticket.connection = self.connection

post reservationAdded:

self.reservations->size() = self.reservations@pre()->size() + 1