# Logbook week 14

**public** **void** runTrain() **throws** RailwaySystemError

{

Clock clock = getRailwaySystem().getClock();

Railway nextRailway = getRailwaySystem().getNextRailway(**this**);

**while** (!clock.timeOut())

{

//start

choochoo();

//put a stone in my current track

getBasket().putStone(**this**);

// whilst the other track has a stone

**while** (nextRailway.getBasket().hasStone(**this**))

{

//if we both have a stone

**if**(nextRailway.getBasket().hasStone(**this**) == getBasket().hasStone(**this**))

{

//pick up my stone so they can pass

getBasket().takeStone(**this**);

// They have not taken their stone so wait

**while**(nextRailway.getBasket().hasStone(**this**)

!= getBasket().hasStone(**this**))

siesta();

//put the stone back, they're on the track

getBasket().putStone(**this**);

}

}

//change track

crossPass();

}

}

Test results:

Clock: tick tock

Peru: choo-choo

Bolivia: choo-choo

Peru: adding stone to Peru's basket (0 stones in the basket)

Bolivia: adding stone to Bolivia's basket (0 stones in the basket)

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Clock: tick tock

Peru: removing stone from Peru's basket (1 stone in the basket)

Peru: checking Bolivia's basket for stones

Bolivia: removing stone from Bolivia's basket (1 stone in the basket)

Peru: checking Peru's basket for stones

Bolivia: checking Peru's basket for stones

Peru: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Bolivia: adding stone to Bolivia's basket (0 stones in the basket)

Clock: tick tock

Bolivia: checking Peru's basket for stones

Peru: adding stone to Peru's basket (0 stones in the basket)

Bolivia: entering pass

Bolivia: crossing pass

Bolivia: leaving pass

Bolivia: choo-choo

Peru: checking Bolivia's basket for stones

Bolivia: adding stone to Bolivia's basket (1 stone in the basket)

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Peru: checking Peru's basket for stones

Clock: tick tock

Bolivia: checking Peru's basket for stones

Peru: removing stone from Peru's basket (1 stone in the basket)

Bolivia: checking Bolivia's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: removing stone from Bolivia's basket (2 stones in the basket)

Peru: checking Peru's basket for stones

Peru: zzzzz

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: checking Bolivia's basket for stones

Clock: tick tock

Peru: checking Peru's basket for stones

Bolivia: zzzzz

Peru: zzzzz

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Bolivia: zzzzz

Peru: zzzzz

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Clock: tick tock

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: zzzzz

Bolivia: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Bolivia: zzzzz

Peru: zzzzz

Clock: tick tock

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Peru: zzzzz

Bolivia: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Clock: tick tock

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: zzzzz

Bolivia: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Bolivia: zzzzz

Peru: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Clock: tick tock

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: zzzzz

Bolivia: zzzzz

Peru: checking Bolivia's basket for stones

Bolivia: checking Peru's basket for stones

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Clock: tick tock

Peru: zzzzz

Bolivia: zzzzz

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Bolivia: checking Bolivia's basket for stones

Peru: zzzzz

Bolivia: zzzzz

Peru: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Clock: tick tock

Bolivia: checking Peru's basket for stones

Peru: zzzzz

Bolivia: checking Bolivia's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: zzzzz

Peru: checking Peru's basket for stones

Bolivia: checking Peru's basket for stones

Peru: zzzzz

Clock: tick tock

Bolivia: checking Bolivia's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: zzzzz

Peru: checking Peru's basket for stones

Bolivia: checking Peru's basket for stones

Peru: zzzzz

Bolivia: checking Bolivia's basket for stones

Peru: checking Bolivia's basket for stones

Peru: checking Peru's basket for stones

Bolivia: zzzzz

Clock: tick tock

Peru: zzzzz

Bolivia: checking Peru's basket for stones

Peru: checking Bolivia's basket for stones

Bolivia: checking Bolivia's basket for stones

Bolivia: zzzzz

Peru: checking Peru's basket for stones

Bolivia: checking Peru's basket for stones ----- This is ongoing