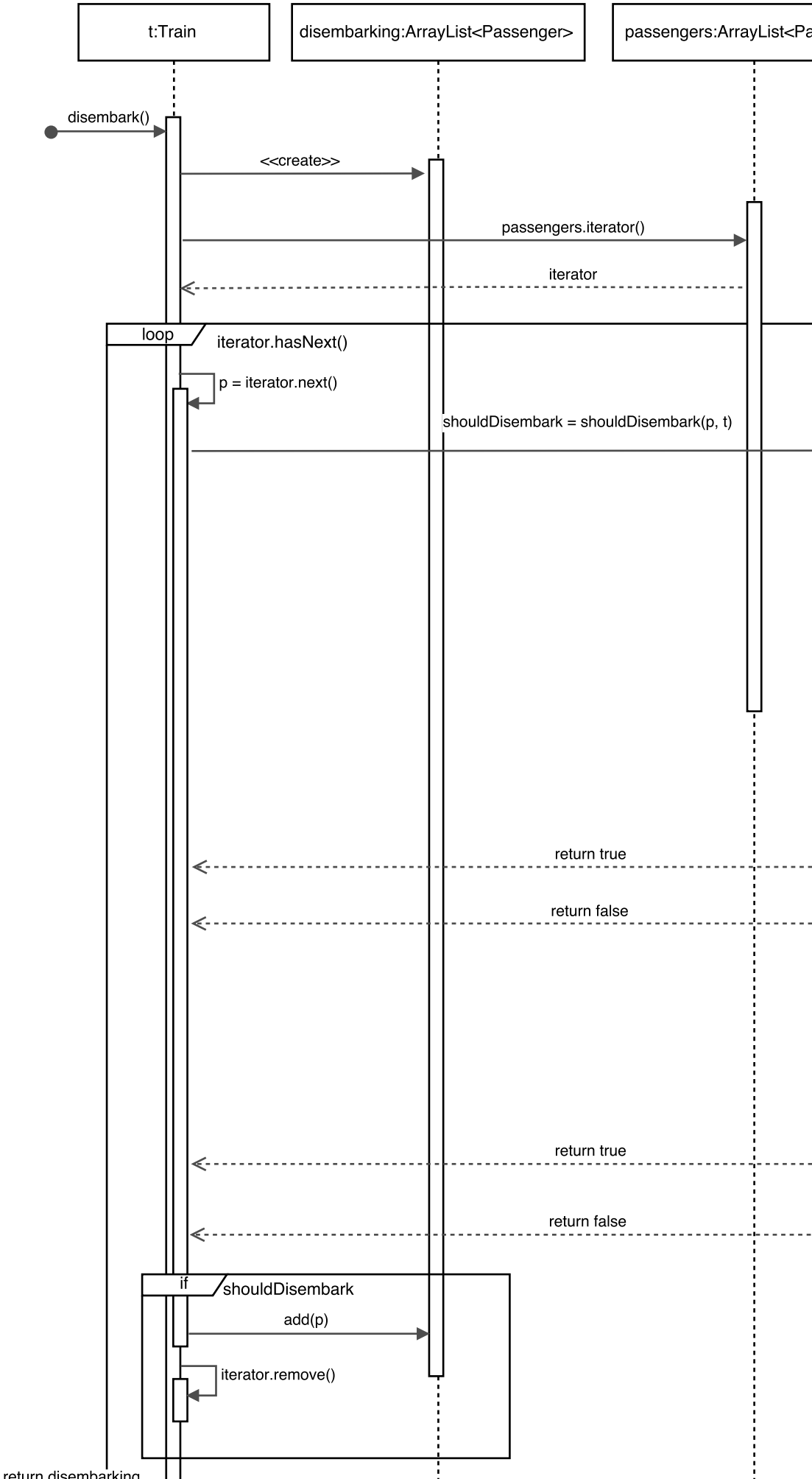
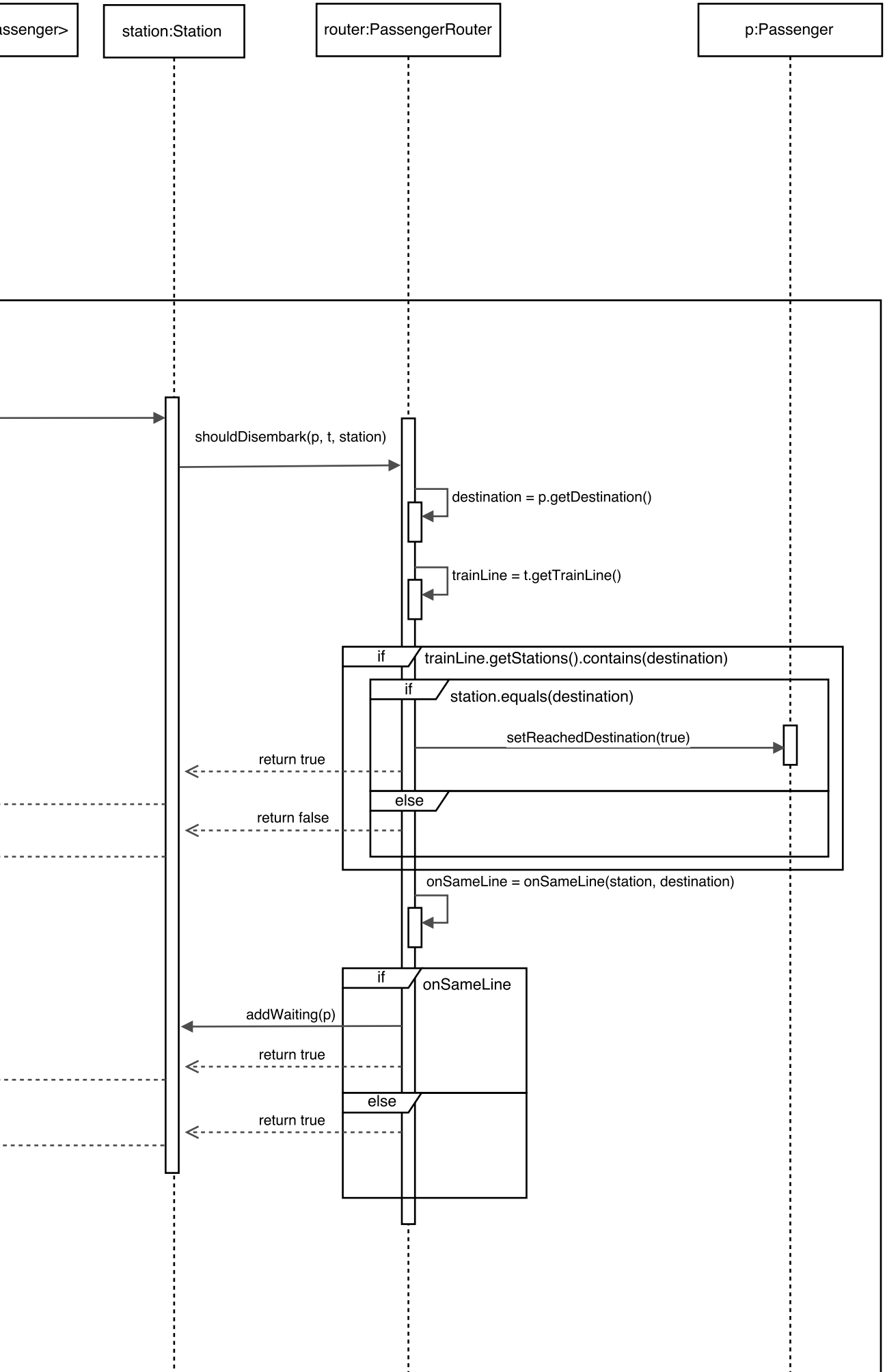
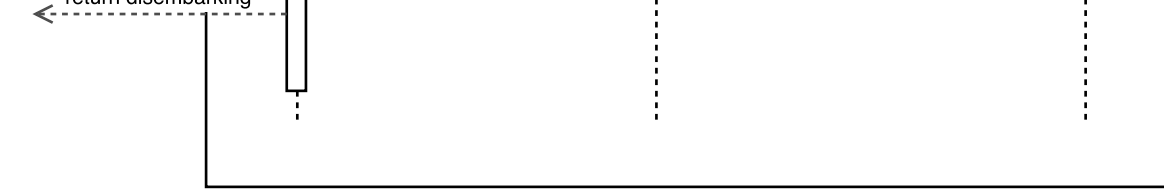
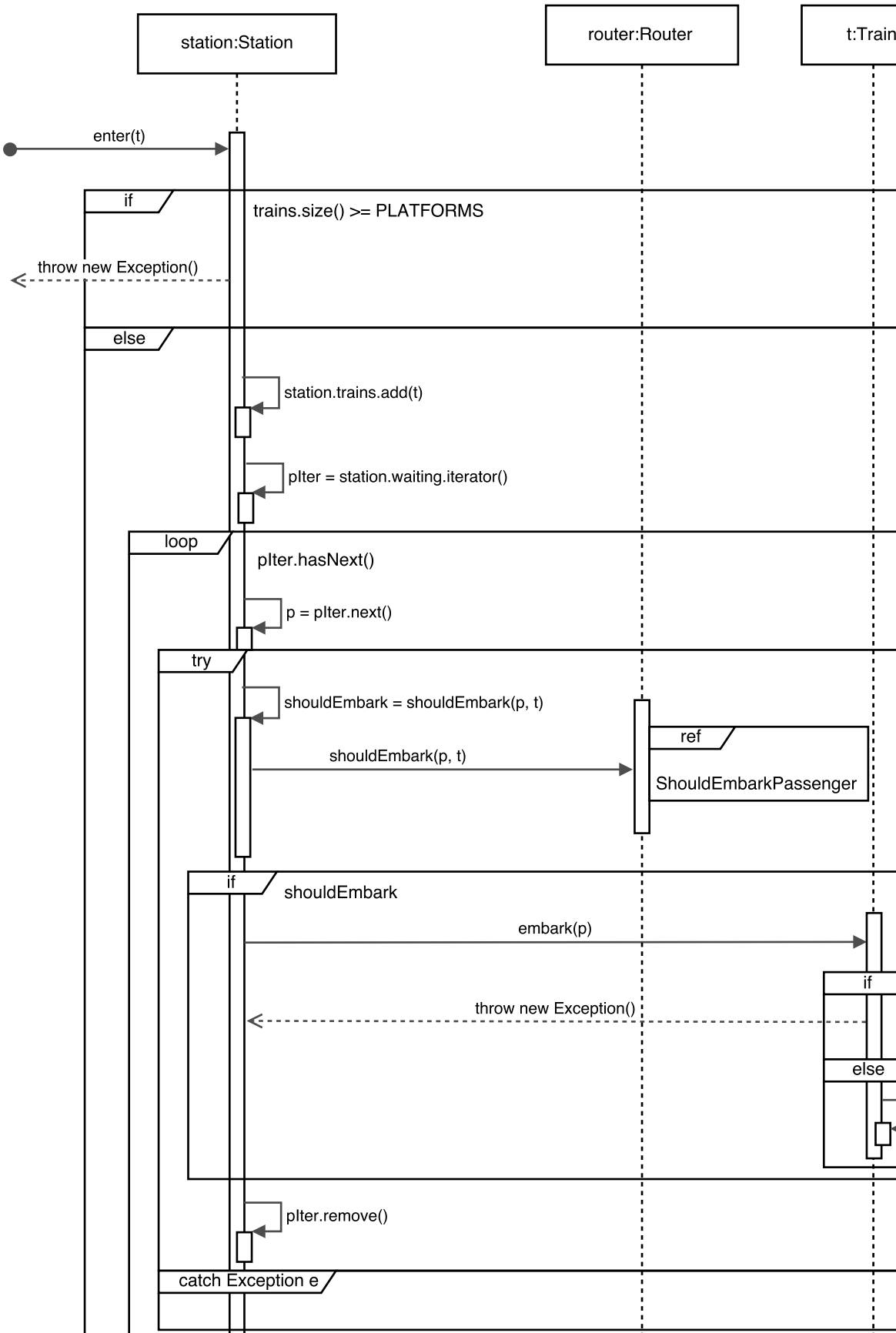
SD: Passenger disembarking train (line change)

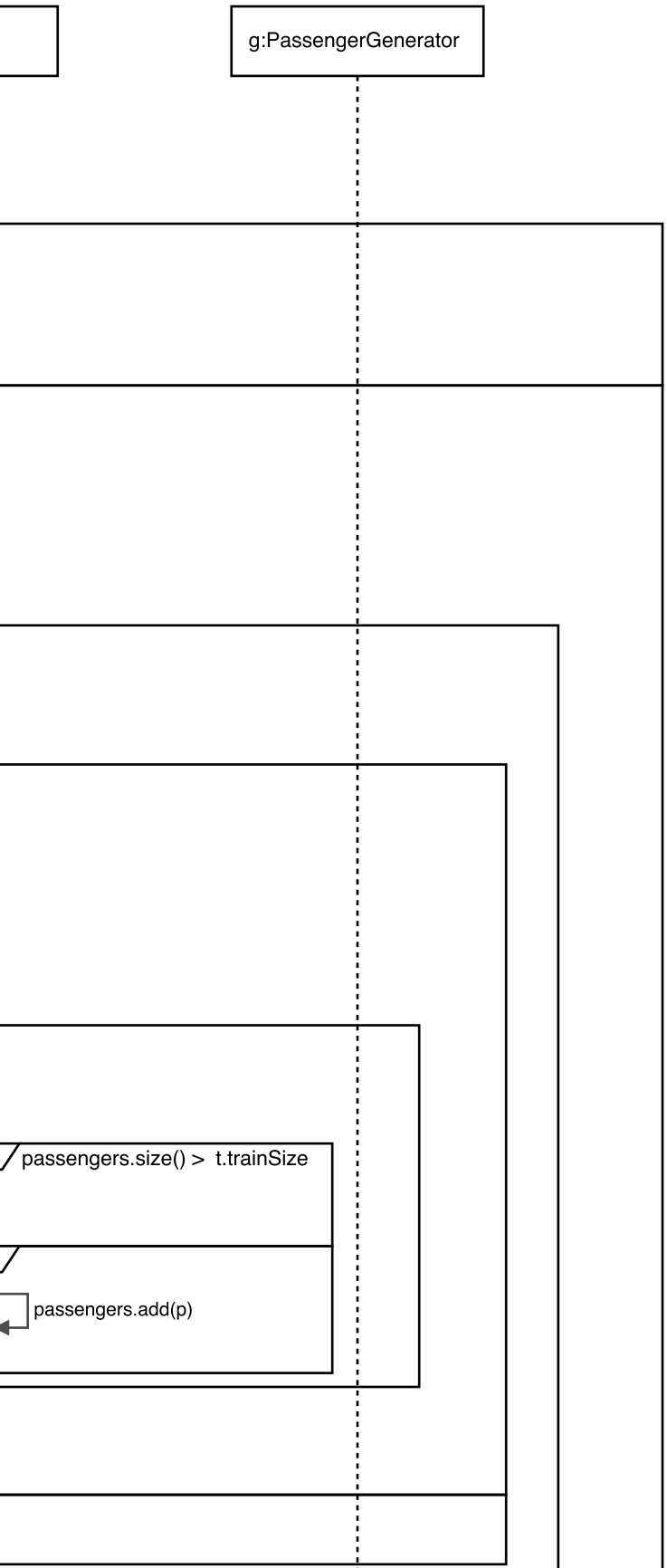


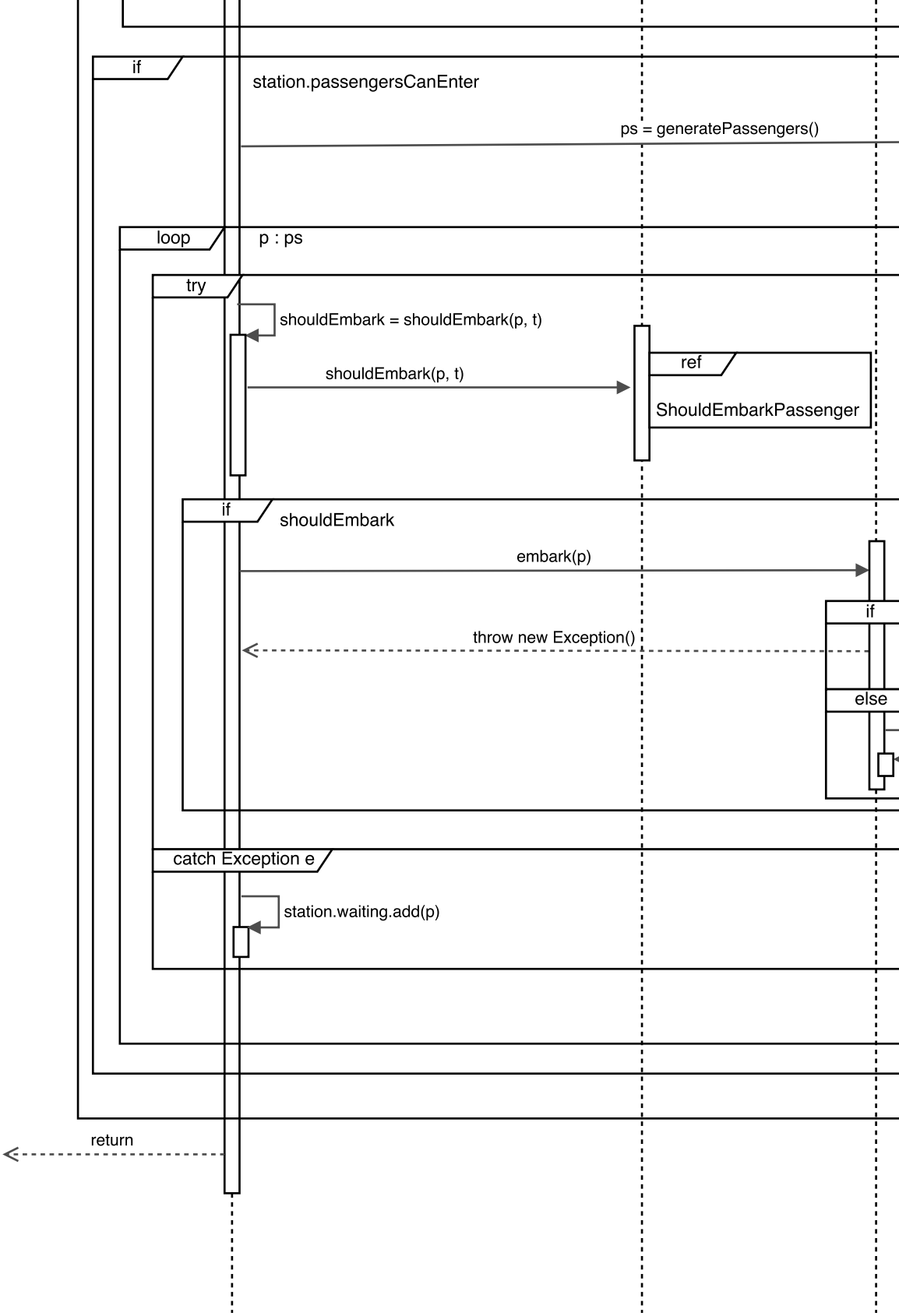

assenger>
station:Station
router:PassengerRouter
p:Passenger
shouldDisembark(p, t, station)
destination = p.getDestination()
trainLine = t.getTrainLine()
if
trainLine.getStations().contains(destination)
if
station.equals(destination)
setReachedDestination(true)
return true
else
return false
onSameLine = onSameLine(station, destination)
if
onSameLine
addWaiting(p)
return true
else
return true



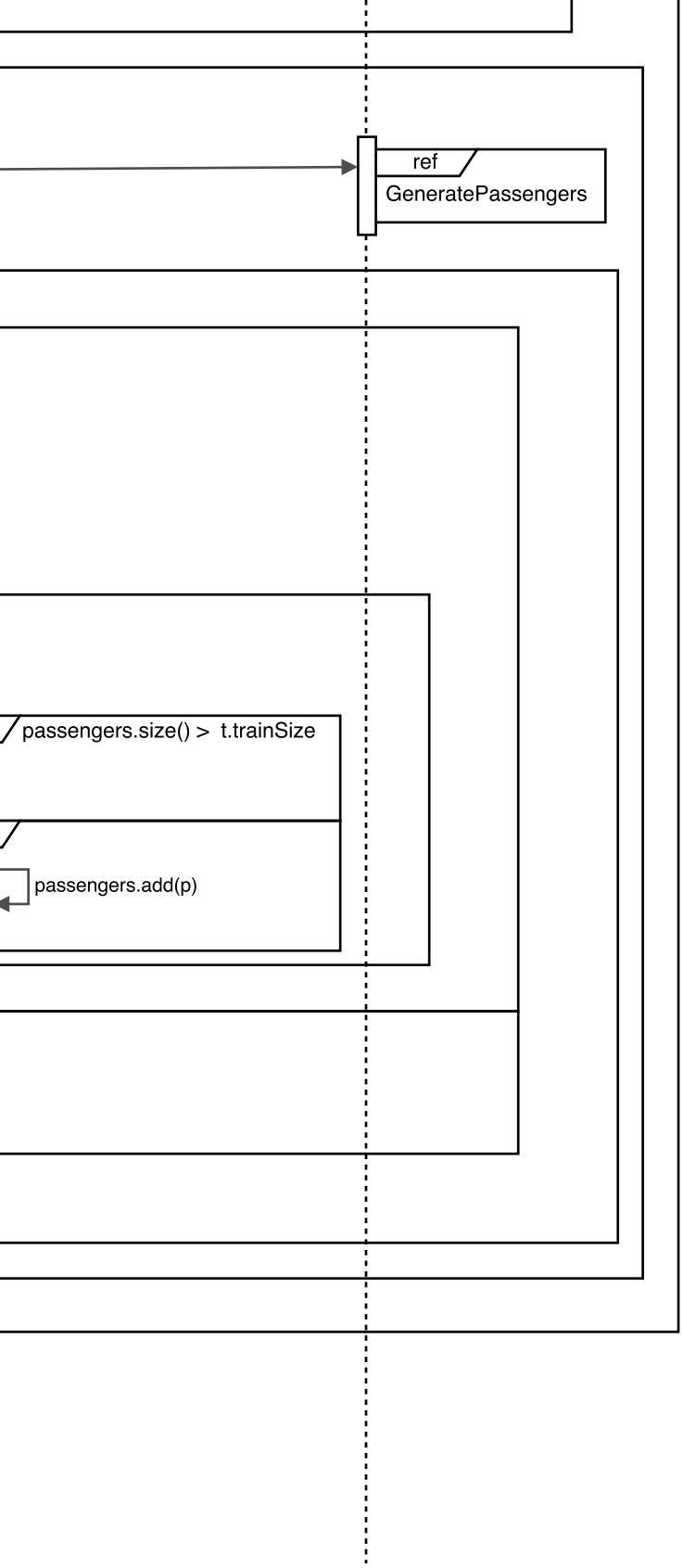
SD: Passenger embarking train




g:PassengerGenerator
passengers.size() > t.trainSize
passengers.add(p)

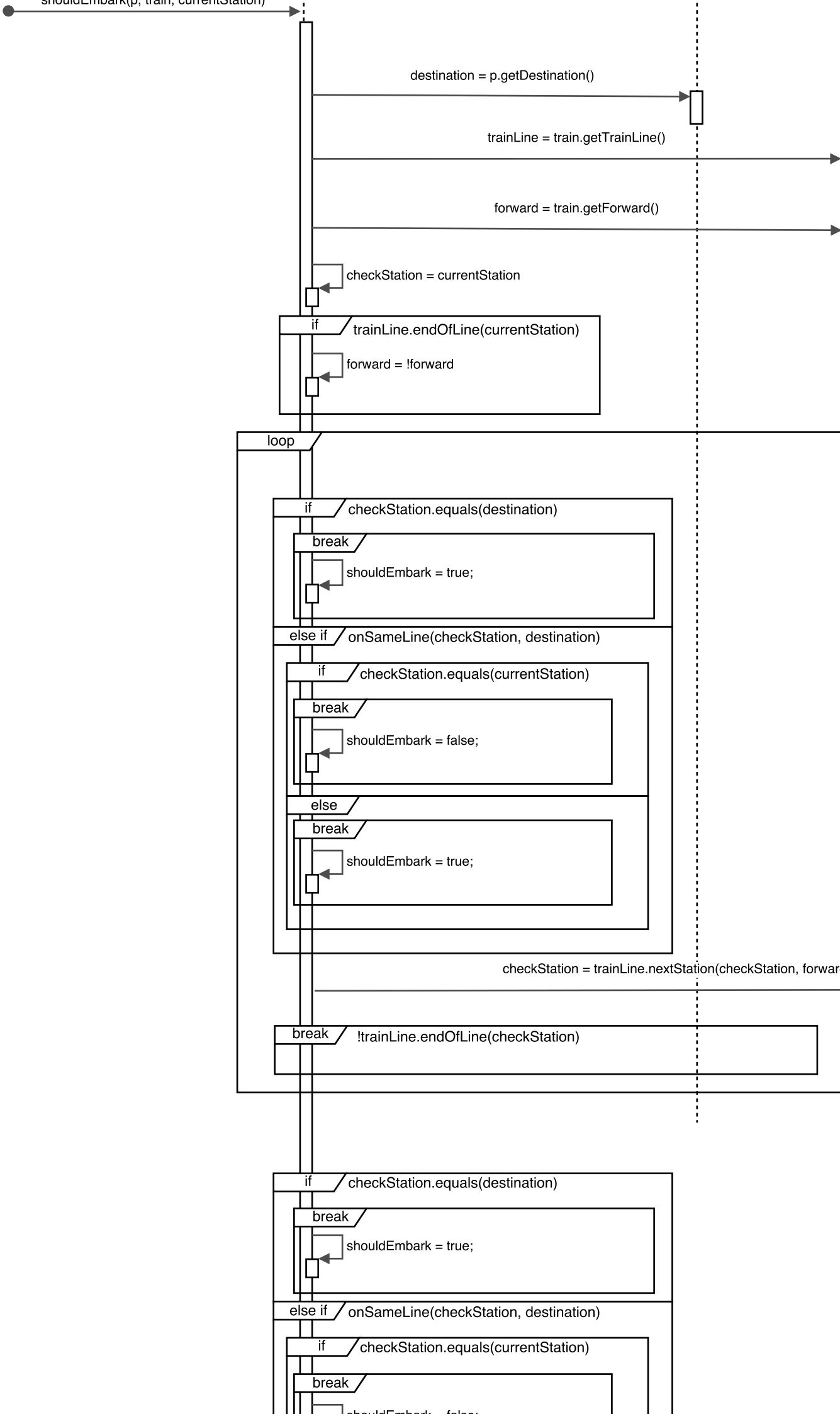


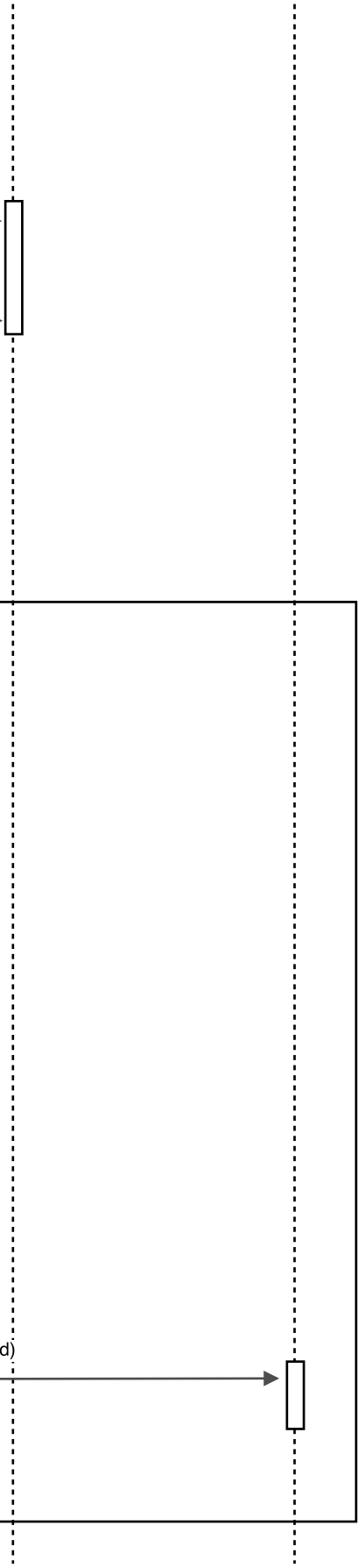
SD: Should Embark Passenger

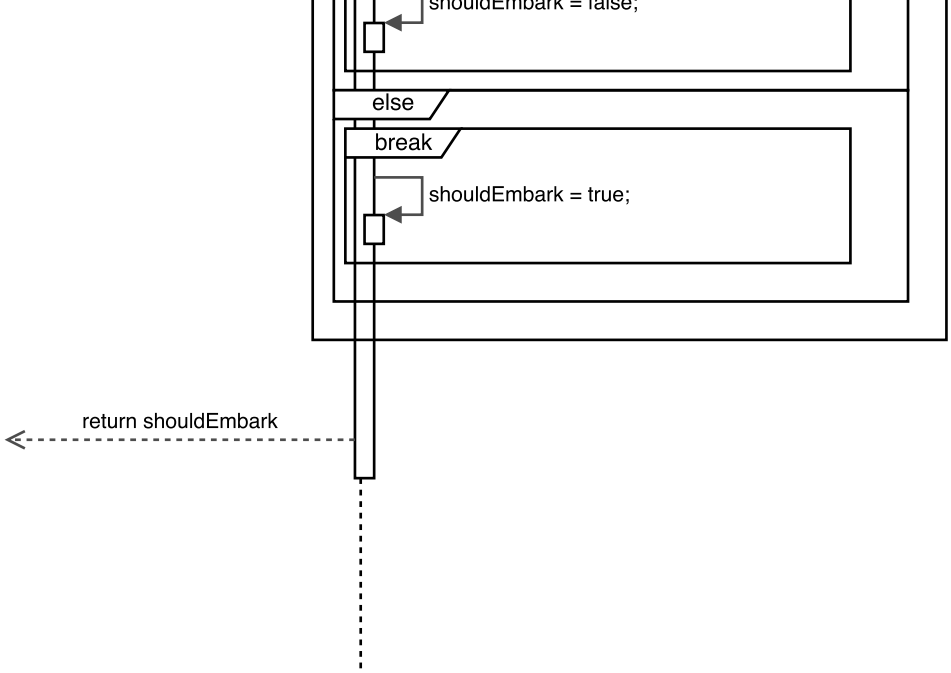


:Train

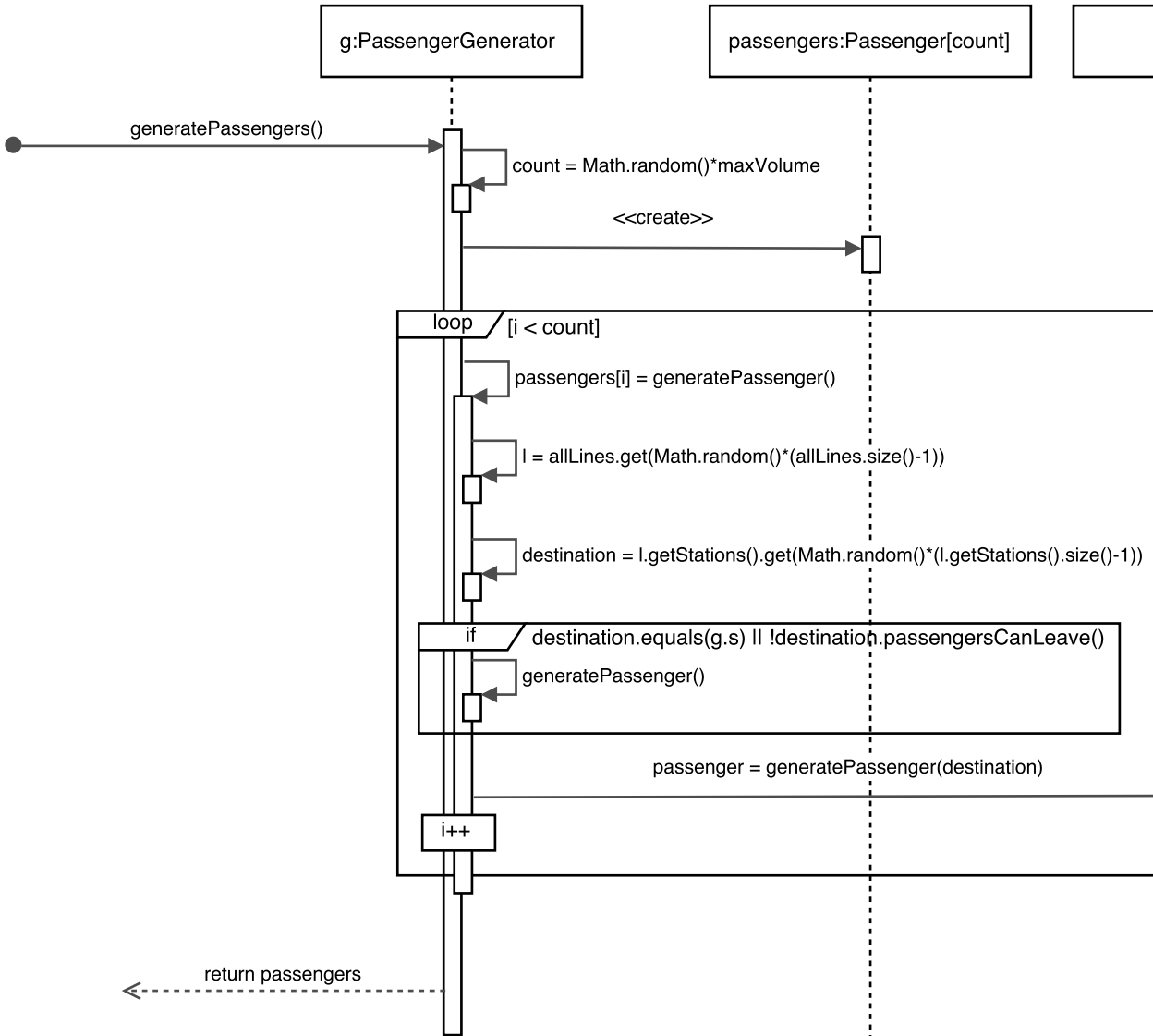
trainLine:Line

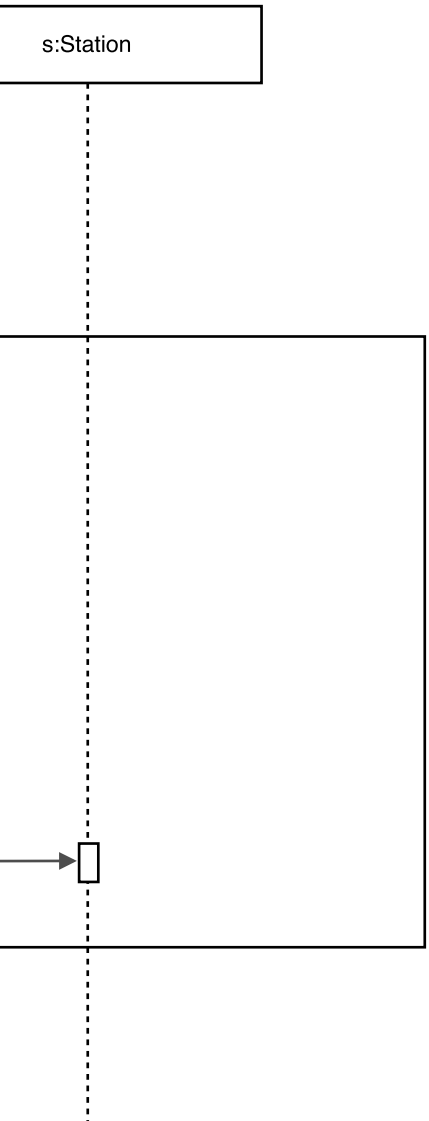

shouldEmbark(p, train, currentStation)
destination = p.getDestination()
trainLine = train.getTrainLine()
forward = train.getForward()
checkStation = currentStation
if
trainLine.endOfLine(currentStation)
forward = !forward
loop
if
checkStation.equals(destination)
break
shouldEmbark = true;
else if
onSameLine(checkStation, destination)
if
checkStation.equals(currentStation)
break
shouldEmbark = false;
else
break
shouldEmbark = true;
checkStation = trainLine.nextStation(checkStation, forwar
break
!trainLine.endOfLine(checkStation)
if
checkStation.equals(destination)
break
shouldEmbark = true;
else if
onSameLine(checkStation, destination)
if
checkStation.equals(currentStation)
break





SD: Generate Passengers




s:Station