Procedure TrafficSystemDynamicsEnvironmentModelGeneration(inputRoads, outputRoads, edges, dataOfRoads)

Make new object ‘systemDynamics’ that has list with nothing.

Make list of stocks that represent each road in inputRoads and outputRoads.

Make list of input stocks to make an input to stocks of inputRoads.

Make initial flows that link each input stock and stocks that represent road in inputRoads.

Make initial flows that will be out from stocks of outputRoads.

Make initial flows between stocks of inputRoads and stocks of ouputRoads based on edges.

Make an equation based on dataOfRoads and set Flow data based on equation.

Return ‘systemDynamics’ with list with stocks of inputRoads, outputRoads, and input stocks.

end

Procedure trafficBehaviorInference(systemDynamics)