Design a traffic controller system for a junction

Controller can

1.recommond route

2.check traffic jam

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Class: Junction

Data: carFlowPerMinute, carTrafficlight, pedestrianTrafficlight

Class: Pedestrian

Behavior:

stayput(){

}

passJunction(){

}

Class: Car

Behavior:

stayput(){

}

passJunction(){

}

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Class: Controller

Behavior:

recommondRoute(){

}

checkTrafficjam(direction){

if(carFlowPerMinute<15){

recommendRoute(route);

}

}

allowCarPass(){

if(carTrafficlight.color= “green”){

Car.passJunction();

}else{

Car.stayput();

}

}

allowPedestrianPass(){

if(pedestrianTrafficlight.color= “green”){

Pedestrian.passJunction();

}else{

Pedestrian.stayput();

}

}