Каріна Зубко 4 варіант

Лаболаторна 13:

import scala.annotation.tailrec

//Zubko

object TrafficLightSimulation extends App {

object TrafficLightColor extends Enumeration {

type TrafficLightColor = Value

val Green, Yellow, Red = Value

}

import TrafficLightColor.\_

def nextColor(color: TrafficLightColor, prev: TrafficLightColor): TrafficLightColor = color match {

case Green => Yellow

case Yellow => if (prev == Green) Red else Green

case Red => Yellow

}

@tailrec

def simulateTrafficLight(color: TrafficLightColor, prev: TrafficLightColor, steps: Int): Unit = {

if (steps > 0) {

println(color)

val next = nextColor(color, prev)

Thread.sleep(1000)

simulateTrafficLight(next, color, steps - 1)

}

}

simulateTrafficLight(Green, Yellow, 10)

}

