

Introduction

You are required to provide the code for an application that simulates a set of traffic lights at an intersection.

The traffic lights are designated (N, S) and (E, W) like a compass.

Requirements

When switching from green to red, the yellow light must be displayed for 30 seconds prior to it switching to red and the opposite direction switching to green from red.

The lights will change automatically every 5 minutes.

You're not required to optimize the solution, just focus on a functional approach to requirements.

Provide the output for the light changes which occur during the period 9am and 9:30am.

You must provide unit tests for all logic.

Create a repo on bitbucket/github and provide the link.