OBJECTIVE

In this project we are going to design a single traffic light set. There needs to be a 1 seconds wait between each step of the signals and 5 second delay for each set. The signals are Amber = get ready to stop, Red = Stop, Red + Amber = get ready to go, Green = Go.

HARDWARE

For this project we will need one of each Red, Yellow and Green LED's and three 220Ω resistors arranged in a group to represent the traffic lights. Arrange the components as shown here.
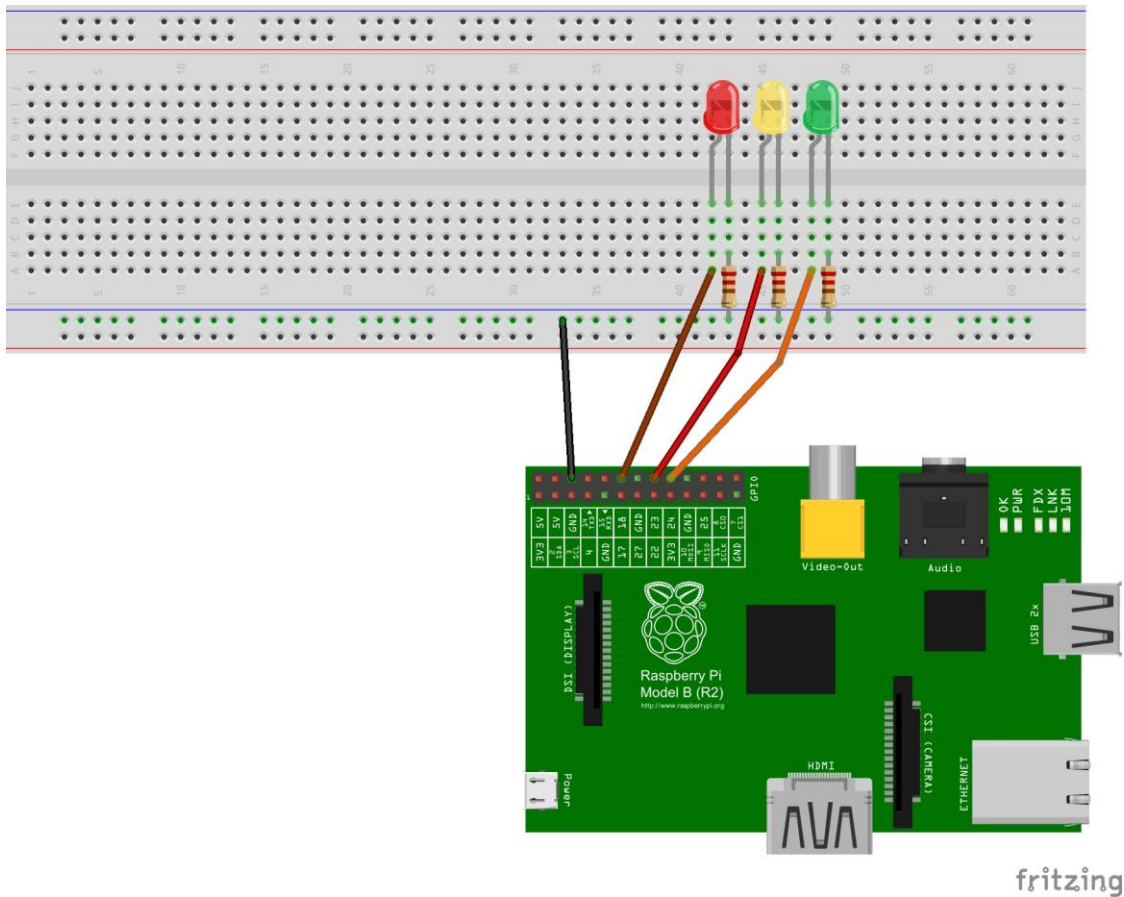
DEVELOPMENT

Now that you have a working version that goes through 10 cycles, see if you can make the program work indefinitely.