public class Sequencer
{
    private TrafficLight light;

    private final static int GO       = 0;
    private final static int CAUTION  = 1;
    private final static int STOP     = 2;

    private int currentState;

    public Sequencer( TrafficLight light )
    {
        this.light = light;
        this.currentState = GO;
        this.light.setGo();
    }

    public void next()
    {
        switch ( currentState ) {
        case GO:
            this.currentState = CAUTION;
            this.light.setCaution();
            break;
        case CAUTION:
            this.currentState = STOP;
            this.light.setStop();
            break;
        case STOP:
            this.currentState = GO;
            this.light.setGo();
            break;
        default: // This will never happen
            System.err.println("What color is the light?!");
        }
    }
}