public class Sequencer
{
    private TrafficLight light;

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

    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:
                System.err.println("What color is the light?!");
        }
    }
}