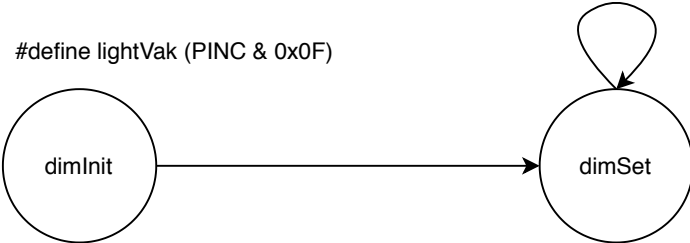


#define lightVak (PINC & 0x0F)



```
switch(lightVal) {  
    case 0x00:  
        dimVal = 0;  
        break;  
    case 0x01:  
        dimVal = 17;  
        break;  
    case 0x02:  
        dimVal = 34;  
        break;  
    case 0x03:  
        dimVal = 51;  
        break;  
    case 0x04:  
        dimVal = 68;  
        break;  
    case 0x05:  
        dimVal = 85;  
        break;  
    case 0x06:  
        dimVal = 102;  
        break;  
    case 0x07:  
        dimVal = 119;  
        break;  
    case 0x08:  
        dimVal = 136;  
        break;  
    case 0x09:  
        dimVal = 153;  
        break;  
    case 0x0A:  
        dimVal = 170;  
        break;  
    case 0x0B:  
        dimVal = 187;  
        break;  
    case 0x0C:  
        dimVal = 204;  
        break;  
    case 0x0D:  
        dimVal = 221;  
        break;  
    case 0x0E:  
        dimVal = 238;  
        break;  
    case 0x0F:  
        dimVal = 255;  
        break;  
    default:  
        dimVal = 0;  
        break;  
}
```

```
//set each of the pwm channels to the value assigned to dimVal  
set_LED_PWM(CHAN_PB2, dimVal);  
set_LED_PWM(CHAN_PB3, dimVal);  
set_LED_PWM(CHAN_PD3, dimVal);  
set_LED_PWM(CHAN_PD6, dimVal);
```